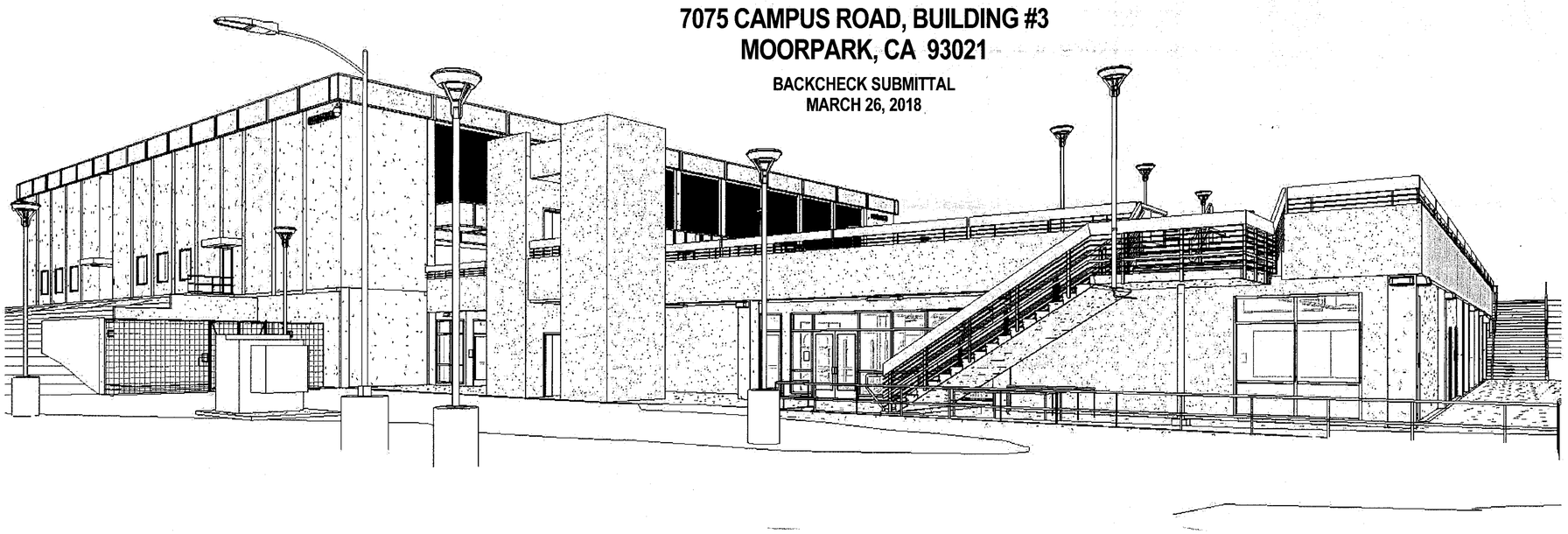
Moorpark Community College
GYMNASIUM RENOVATION

7075 CAMPUS ROAD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL
MARCH 26, 2018



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DRAWING LIST

SHT NO.	DRAWING TITLE
GENERAL	
G0.00	TITLE SHEET
G0.01	GENERAL NOTES, ABBREVIATIONS, & SYMBOLS
G0.02	OVERALL CAMPUS PLAN
G0.04	CODE ANALYSIS
G0.05	FIRST FLOOR - EGRESS ANALYSIS
G0.06	SECOND FLOOR - EGRESS ANALYSIS
G0.07	MECHANICAL MEZZANINE - EGRESS ANALYSIS
G0.08	ACCESSIBILITY NOTES & DETAILS
G0.09	ELEVATOR DETAILS
CIVIL	
C1.00	TITLE SHEET
C2.00	DEMOLITION PLAN
C3.00	GRADING, PAVING & DRAINAGE PLAN
C4.00	UTILITY PLAN
C5.00	SECTIONS & DETAIL PLAN
LANDSCAPE	
L1.1	IRRIGATION PLAN
L1.2	IRRIGATION NOTES AND LEGEND
L2.1	PLANTING PLAN
DEMOLITION	
A0.00	SITE PLAN - DEMOLITION
A0.01	FIRST FLOOR - DEMOLITION PLAN
A0.02	SECOND FLOOR - DEMOLITION PLAN
A0.03	MECHANICAL MEZZANINE - DEMOLITION PLAN
A0.04	FIRST FLOOR - DEMOLITION RCP
A0.05	SECOND FLOOR - DEMOLITION RCP
A0.06	MECH MEZZANINE - DEMOLITION RCP
A0.07	ROOF PLAN - DEMOLITION
ARCHITECTURAL	
A1.00	SITE PLAN - NEW CONSTRUCTION
A1.01A	FIRST FLOOR - NEW CONSTRUCTION REFERENCE PLAN
A1.01B	FIRST FLOOR - NEW CONSTRUCTION DIMENSION PLAN
A1.02A	SECOND FLOOR - NEW CONSTRUCTION REFERENCE PLAN
A1.02B	SECOND FLOOR - NEW CONSTRUCTION DIMENSION PLAN
A1.03	MECHANICAL MEZZANINE - NEW CONSTRUCTION
A1.04	FIRST FLOOR - NEW RCP
A1.05	SECOND FLOOR - NEW RCP
A1.06	MECHANICAL MEZZANINE - NEW RCP
A1.07	ROOF PLAN - NEW CONSTRUCTION
A2.01	EXTERIOR ELEVATIONS
A2.02	EXTERIOR ELEVATIONS
A2.03	EXTERIOR ELEVATIONS
A3.01	BUILDING SECTIONS
A3.02	WALL SECTIONS
A3.03	WALL SECTIONS

DRAWING LIST

SHT NO.	DRAWING TITLE
A3.04	WALL SECTIONS
A4.01	PUBLIC RESTROOMS ENLARGED PLANS & INTERIOR ELEVATIONS
A4.02	STAFF LOCKERS (MEN & WOMEN) ENLARGED PLANS & INTERIOR ELEVATIONS
A4.03	MENS LOCKER ROOM ENLARGED PLANS & INTERIOR ELEVATIONS
A4.04	MENS LOCKER ROOM ENLARGED PLANS & INTERIOR ELEVATIONS
A4.05	WOMENS LOCKER ROOM ENLARGED PLANS & INTERIOR ELEVATIONS
A4.06	WOMENS LOCKER ROOM ENLARGED PLANS & INTERIOR ELEVATIONS
A4.07	WEIGHT ROOM 101 ENLARGED PLAN & INTERIOR ELEVATIONS
A4.08	TRAINING ROOM & RESTROOM ENLARGED PLANS & INTERIOR ELEVATIONS
A4.09	FITNESS ROOM 100 ENLARGED PLAN & INTERIOR ELEVATIONS
A4.10	LAUNDRY, EQUIPMENT ROOMS 125, 125A & 125B ENLARGED PLAN & INT. ELEVATIONS
A4.11	ACADEMIC STUDENT SUCCESS & MEETING ENLARGED PLANS & INTERIOR ELEVATIONS
A4.12	TEAM ROOMS 203, 204, 210, & 212 ENLARGED PLANS & INTERIOR ELEVATIONS
A4.13	CARDIO ROOM 213A ENLARGED PLAN & INTERIOR ELEVATIONS
A4.14	FITNESS ROOMS 206A & 206B ENLARGED PLANS & INTERIOR ELEVATIONS
A4.15	CUSTODIAL CLOSETS 133 & 215 ENLARGED PLANS & INTERIOR ELEVATIONS
A4.16A	FIRST FLOOR CORRIDORS & HALL - INTERIOR ELEVATIONS KEY PLAN
A4.16B	FIRST FLOOR - CORRIDORS & HALL INTERIOR ELEVATIONS
A4.17A	SECOND FLOOR LOBBIES & HALLS - INTERIOR ELEVATIONS KEY PLAN
A4.17B	SECOND FLOOR - LOBBIES & HALLS INTERIOR ELEVATIONS
A4.18	GYM G-1 - INTERIOR ELEVATIONS
A4.19	GYM G-1 - INTERIOR ELEVATIONS
A4.20	GYM G-1 - INTERIOR ELEVATIONS
A5.01	DOOR DETAILS
A5.02	INTERIOR WINDOW DETAILS
A5.03	STOREFRONT & EXTERIOR WINDOW DETAILS
A5.04A	MISCELLANEOUS DETAILS
A5.04B	MISCELLANEOUS DETAILS
A5.04C	MISCELLANEOUS DETAILS
A5.05	EXTERIOR DETAILS
A5.06	WALL TYPES
A5.07	SOUND WALL ISOLATING & INTERIOR DETAILS
A5.08A	SUSPENDED ACOUSTIC CEILING DETAILS
A5.08B	SUSPENDED ACOUSTIC CEILING DETAILS
A5.09	SUSPENDED ACOUSTIC CEILING DETAILS
A5.10	GYPSUM BOARD CEILING DETAILS FOR NON-RATED CEILINGS
A5.11A	MISCELLANEOUS CEILING & WALL DETAILS

DRAWING LIST

SHT NO.	DRAWING TITLE
A5.11B	ENLARGED ACCENT CEILING PLANS
A5.12	CASEWORK DETAILS
A5.13	CASEWORK DETAILS
A5.14	MOBILE SHELVING PLANS & DETAILS
A5.15A	FIRE-RATED CONTINUITY DETAILS
A5.15B	FIRE-RATED CONTINUITY DETAILS
A5.16	WALL INFILL DETAILS
A6.01	DOOR SCHEDULE AND DOOR TYPES
A6.02	WINDOW SCHEDULE
A6.03	FIRST FLOOR FINISH PLAN
A6.04	SECOND FLOOR FINISH PLAN
A6.05	MECHANICAL MEZZANINE FINISH PLAN
A6.06	FINISH SCHEDULE, MATERIALS LIST & FINISH DETAILS
A7.01	FIRST FLOOR SIGNAGE PLAN AND SCHEDULE
A7.02	SECOND FLOOR SIGNAGE PLAN AND SCHEDULE
A7.03	MECHANICAL MEZZANINE FLOOR SIGNAGE PLAN AND SCHEDULE
A7.04	SIGNAGE DETAILS
A7.05	SIGNAGE DETAILS
A7.06	SPECIAL FLOORING GRAPHICS
A8.01	NEW RAMP PLANS, SECTIONS AND DETAILS
A8.02	SELECTIVE DEMOLITION - STAIR PLANS
A8.03	REMODELED - STAIR PLANS
A8.04	SELECTIVE DEMOLITION - STAIR SECTIONS AND ELEVATIONS
A8.05	SELECTIVE DEMOLITION - STAIR SECTIONS AND ELEVATIONS
A8.06	NEW - STAIR SECTIONS AND ELEVATIONS
A8.07	NEW - STAIR SECTIONS AND ELEVATIONS
A8.08	STAIRS AND RAILING DETAILS
A8.09	ELEVATOR PLANS, SECTIONS AND DETAILS
A8.10	ELEVATOR DESIGN & LOADS
A8.11	ELEVATOR DESIGN & LOADS
A9.01	CHILLER ENCLOSURE - PLANS & ELEVATIONS
A9.02	CHILLER FENCE & GATE DETAILS
STRUCTURAL	
S0.00	GENERAL NOTES
S0.10	TYPICAL DETAILS
S0.11	TYPICAL DETAILS
S0.12	TYPICAL DETAILS
S0.20	TYPICAL DETAILS
S0.30	TYPICAL DETAILS
S1.01	FOUNDATION PLAN
S1.02	SECOND LEVEL FRAMING PLAN
S1.03	MEZZANINE LEVEL FRAMING PLAN
S1.07	ROOF FRAMING PLAN
S1.10	EAST ELEVATION FRAMING

DRAWING LIST

SHT NO.	DRAWING TITLE
S2.00	STRUCTURAL DETAILS
S2.01	STRUCTURAL DETAILS
S2.02	STRUCTURAL DETAILS
S2.03	STRUCTURAL DETAILS
S2.04	STRUCTURAL DETAILS
S2.05	STRUCTURAL DETAILS
S2.06	STRUCTURAL DETAILS
MECHANICAL	
M1.00	MECHANICAL NOTES
M1.01	MECHANICAL SCHEDULES
M2.00	FIRST FLOOR DEMOLITION PLAN
M2.01	SECOND FLOOR DEMOLITION PLAN
M2.02	MEZZANINE DEMOLITION PLAN
M2.03	ROOF DEMOLITION PLAN
M3.00	FIRST FLOOR MECHANICAL PLAN
M3.01	SECOND FLOOR MECHANICAL PLAN
M3.02	MEZZANINE MECHANICAL PLAN
M4.00	MECHANICAL ROOF PLAN
M5.00	MECHANICAL DETAILS
M5.01	MECHANICAL DETAILS
M5.02	MECHANICAL DETAILS
M5.03	MECHANICAL DETAILS
M6.01	MEZZANINE MECHANICAL PLAN - NORTH AREA
M6.02	MEZZANINE MECHANICAL PLAN - MIDDLE AREA
M6.03	MEZZANINE MECHANICAL PLAN - SOUTH AREA
M6.04	MECHANICAL FAN COIL DETAILS
M6.05	AIR HANDLER DETAILS
M7.00	MECHANICAL CONTROLS
MECHANICAL	
EN1.00	ENERGY CALCULATIONS
EN1.01	ENERGY CALCULATIONS
EN1.02	ENERGY CALCULATIONS
EN1.03	ENERGY CALCULATIONS
PLUMBING	
P1.00	PLUMBING NOTES & SCHEDULE
P2.00	FIRST FLOOR PLUMBING DEMOLITION PLAN
P2.01	SECOND FLOOR PLUMBING DEMOLITION PLAN
P2.02	MEZZANINE PLUMBING DEMOLITION PLAN
P3.00	FIRST FLOOR PLUMBING PLAN
P3.01	ENLARGED PLUMBING PLANS
P3.02	SECOND FLOOR PLUMBING PLAN
P3.03	MEZZANINE PLUMBING PLAN
P3.04	ROOF PLUMBING PLAN
P4.00	PLUMBING DETAILS
P5.00	PLUMBING WASTE & VENT RISERS
P5.01	PLUMBING COLD & HOT WATER RISERS

DRAWING LIST

SHT NO.	DRAWING TITLE
ELECTRICAL	
E100	GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST
E101	TITLE 24 PAGE 1
E102	TITLE 24 PAGE 2
E120	SITE PLAN ELECTRICAL DEMOLITION
E130	FIRST FLOOR DEMOLITION - LIGHTING
E131	SECOND FLOOR DEMOLITION - LIGHTING
E132	MEZZANINE DEMOLITION - LIGHTING
E140	FIRST FLOOR DEMOLITION - ELECTRICAL POWER & LOW VOLTAGE
E141	SECOND FLOOR DEMOLITION - ELECTRICAL
E142	MEZZANINE DEMOLITION - ELECTRICAL
E151	FIRST FLOOR EXISTING LIGHTING PLAN
E153	SECOND FLOOR EXISTING LIGHTING PLAN
E154	SECOND FLOOR EXISTING LIGHTING PLAN
E155	MEZZANINE EXISTING LIGHTING PLAN
E161	FIRST FLOOR EXISTING POWER & COM PLAN
E162	FIRST FLOOR EXISTING POWER & COM PLAN
E163	SECOND FLOOR EXISTING POWER & COM PLAN
E164	SECOND FLOOR EXISTING POWER & COM PLAN
E165	MEZZANINE EXISTING POWER & COM PLAN & MECHANICAL SCHEDULE
E190	SITE PLAN ELECTRICAL - NEW WORK FOR 5KV AND COM SYSTEMS
E200	EXISTING 5KV SINGLE LINE DIAGRAM
E201	EXISTING ELECTRICAL SINGLE LINE DIAGRAM
E202	REVISED ELECTRICAL SINGLE LINE DIAGRAM
E203	EXISTING ELECTRICAL PANEL SCHEDULES
E204	ELECTRICAL PANEL SCHEDULES (NEW)
E300	LIGHTING FIXTURE SCHEDULE
E301	FIRST FLOOR LIGHTING PLAN
E302	SECOND FLOOR LIGHTING PLAN
E303	MEZZANINE LIGHTING PLAN
E306	EXTERIOR PHOTOMETRIC PLAN
E307	LIGHT FIXTURE CUT SHEETS
E401	FIRST FLOOR - ELECTRICAL POWER & LOW VOLTAGE
E402	SECOND FLOOR - ELECTRICAL POWER & LOW VOLTAGE
E405	MECHANICAL MEZZANINE - NEW CONSTRUCTION
E410	FIRST FLOOR - ELECTRICAL POWER & LOW VOLTAGE
E420	ELECTRICAL SCHEDULE FOR MECHANICAL EQUIPMENT
E421	FIRST FLOOR - MECHANICAL EQUIPMENT PLAN
E422	SECOND FLOOR - MECHANICAL EQUIPMENT PLAN
E423	MEZZANINE - MECHANICAL EQUIPMENT PLAN
E424	POWER FOR MECHANICAL CONTROLS
E600	ELECTRICAL DETAILS
E601	ELECTRICAL DETAILS
E602	LAVATORY BASIN ELECTRICAL DETAILS
E604	CHATSWORTH PRODUCT DETAILS
FIRE ALARM	
FA0.01	EXISTING LEGEND AND NOTES FIRE ALARM PLAN
FA0.02	FIRE ALARM DETAILS AND BATTERY CALCULATIONS
FA0.03	EXISTING RISER DIAGRAM FIRE ALARM PLAN
FA0.10	EXISTING FIRST FLOOR FIRE ALARM PLAN
FA0.20	EXISTING SECOND FLOOR FIRE ALARM PLAN
FA0.30	EXISTING MEZZANINE FIRE ALARM PLAN
FA1.01	FIRE ALARM GENERAL NOTES AND DEVICES LEGEND
FA1.02	NEW RISER DIAGRAM FIRE ALARM PLAN
FA1.03	FIRST FLOOR - FIRE ALARM PLAN
FA1.04	SECOND FLOOR - FIRE ALARM PLAN
FA1.05	MEZZANINE - FIRE ALARM PLAN
FA1.06	FIRE ALARM BATTERY CALCULATIONS
FIRE PROTECTION	
FP1.1	GENERAL NOTES AND DETAILS
FP1.2	FIRST FLOOR FIRE SPRINKLER PIPING DEMOLITION PLAN
FP1.3	SECOND FLOOR FIRE SPRINKLER PIPING DEMOLITION PLAN
FP1.4	MEZZANINE FLOOR FIRE SPRINKLER PIPING DEMOLITION PLAN
FP2.1	SITE PLAN
FP2.2	FIRST FLOOR SPRINKLER PIPING PLAN
FP2.3	SECOND FLOOR SPRINKLER PIPIING PLAN
FP2.4	MECHANICAL MEZZANINE SPRINKLER PIPING PLAN

Grand total: 228

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
PROJ. NO. 03-118379
AC FLS SS FO
DATE 06-19-18

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ARCHITECTS, INC.

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MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	
	DATE: 03/26/18
	DRAWN: RJF
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

TITLE SHEET

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

G0.00

OF

GENERAL NOTES

1. INTERPRETATION OF CONSTRUCTION DOCUMENTS
   A. ALL INFORMATION DEPICTED IN THESE DRAWINGS AND RELATIVE TO EXISTING CONDITIONS IS BASED ON THE BEST AVAILABLE DATA AT THE TIME THESE CONSTRUCTION DOCUMENTS WERE BEING EXCECUTED, BUT WITHOUT GUARANTEE OF ACCURACY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND SHALL REPORT ANY DISCREPANICES TO ARCHITECT PRIOR TO COMMENCING ANY WORK.

   B. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCURRED RESULTING FROM THE REMOVAL OR REPLACEMENT OF WORK INSTALLED WITHOUT PROPER COORDINATION TO ALL OTHER TRADES, AND/OR PRIOR TO OBTAINING CLARIFICATION FROM THE ARCHITECT WHERE CONFLICTING INFORMATION EXISTS ON THE DRAWINGS.

   C. ARCHITECT RECOMMENDS THAT THE CONTRACTOR SHALL FURNISH ALL BIDDERS WITH A COMPLETE SET OF CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO DRAWINGS, SPECIFICATIONS AND ADDENDUMS.

   D. ALL BIDS AND LINE ITEM COSTS SUBMITTED BY THE CONTRACTOR IN CONJUNCTION WITH HIS SUBCONTRACTORS ARE CONSIDERED TO INCLUDE COMPLETE COORDINATION BETWEEN THE VARIOUS DISCIPLINES AS WELL AS ALL OTHER REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO CODE AND PUBLIC UTILITY REQUIREMENTS. FURTHER, WHERE THERE ARE CONFLICTING SOLUTIONS IN THE CONSTRUCTION DOCUMENTS AND BID OR LINE ITEM COST IS SUBMITTED BY THE CONTRACTOR WITHOUT ANY FORMAL WRITTEN REQUEST FOR CLARIFICATION PRIOR TO BID OPENING, ALL SUCH ITEMS WILL BE CONSIDERED TO INCLUDE THE MOST EXPENSIVE OF THE POSSIBLE SOLUTIONS DEPICTED IN THE CONSTRUCTION DOCUMENTS.

   E. MODIFICATIONS OF DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT AND LOCAL AUTHORITY HAVING JURISDICTION.

2. GENERAL CONTRACTOR AND ALL MAJOR SUBCONTRACTORS ARE REQUIRED TO VISIT THE JOB SITE PRIOR TO SUBMISSION OF BID; OTHERWISE, BID WILL NOT BE ACCEPTED.

3. CONTRACTOR SHALL ENSURE THAT THE WORK SHALL BE DONE IN ACCORDANCE WITH ALL RULES AND REGULATIONS AND APPLICABLE CODES. OWNER SHALL SECURE AND PAY FOR ALL PERMITS REQUIRED FOR THE WORK AND WILL OBTAIN AND PAY FOR ALL REQUIRED INSPECTIONS DURING THE COURSE OF THE WORK.

4. CONTRACTOR SHALL SET AND SUPERVISE ALL SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK THROUGHOUT THE PROJECT.

5. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE REMOVAL OF ALL DEBRIS FROM THE SITE ON A DAILY BASIS, AND THE KEEP THE CONSTRUCTION SITE CLEAN AND FREE FROM ANY OBSTRUCTIONS AT ALL TIMES.

6. CONTRACTOR SHALL WORK IN A COOPERATIVE MANNER WITH THE BUILDING OCCUPANTS. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IF A DISPUTE ARISES THAT AFFECTS THE PROJECT SCHEDULE OR QUALITY OF WORK.

7. ALL DIMENSIONS INDICATED ARE BELIEVED TO BE ACCURATE, BUT ARE NOT GUARANTEED TO BE SO. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. COORDINATE WITH EXISTING CONDITIONS WHERE INSUFFICIENT DETAIL DIMENSIONS ARE AVAILABLE. ALL DIMENSIONS ARE TO FINISHED FACE OF CONSTRUCTION OR CENTERLINE OF COLUMNS UNLESS NOTED OTHERWISE. DIMENSIONS NOTED AT "CLR" (CLEAR) ARE NOT ADJUSTABLE WITHOUT ARCHITECT'S APPROVAL.

8. DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE.

9. CONTRACTOR SHALL BE RESPONSIBLE FOR AND REQUIRED TO VISIT THE AREAS ENTAILED WITHIN THE SCOPE OF WORK, VERIFY DIMENSIONAL DATA, AND REVIEW THE EXISTING CONDITIONS BEFORE PROCEEDING WITH THE WORK. ANY CONFLICTS WITH THE EXISTING CONDITIONS SHALL BE BROUGHT IMMEDIATELY TO THE ARCHITECT'S ATTENTION.

10. DO NOT SUPPORT CEILINGS OR OTHER BUILDINGS STRUCTURES FROM DUCTWORK, PIPE OR CONDUITS OR SUPPORTS FOR SUCH ITEMS.

11. THE WORD "PROVIDE" SHALL BE DEFINED AS "FURNISH AND INSTALL COMPLETE AND READY TO USE." ITEMS NOT INDICATED AS EXISTING "(E) TO REMAIN" SHALL BE PROVIDED AS NEW.

12. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED ON THE DRAWINGS, CONTRACTOR SHALL APPLY, INSTALL, CONNECT, ERECT, USE, CLEAN AND CONDITION MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT PER MANUFACTURER;'S CURRENT PRINTED RECOMMENDATIONS. ALL PRODUCTS, MATERIALS AND EQUIPMENT PROVIDED ON THIS PROJECT SHALL BE SUITABLE FOR THE INTENDED SERVICE AND LOCATION AT WHICH THEY ARE INSTALLED.

13. CONTRACTOR SHALL PROTECT ALL WORK AND MATERIALS FROM DAMAGE BY HIS WORK, WORKMAN, SUBCONTRACTOR'S WORK OR SUBCONTRACTOR'S WORKMAN AND SHALL BE LIABLE FOR ALL DAMAGE THUS CAUSED.

14. ALL EQUIPMENT SELECTED WILL FIT INTO THE PHYSICAL SPACES INDICATED, ALLOWING SUFFICIENT ROOM FOR ACCESS, SERVICING, REMOVAL AND REPLACEMENT OF PARTS, ETC. ADEQUATE SPACE SHALL BE ALLOWED FOR CLEARANCE IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE CODES AND LOCAL ORDINANCES. AS PHYSICAL DIMENSIONS AND SPACE REQUIREMENTS OF SUCH EQUIPMENT VARY ACCORDING TO EACH MANUFACTURER, CONTRACTOR SHALL BE RESPONSIBLE FOR INITIAL ACCESS AND PROPER FIT.

15. ALL MATERIALS AND EQUIPMENT SUPPLIED FOR THIS CONTRACT SHALL BE FREE FROM DEFECTS IN MATERIAL, WORKMANSHIP, TITLE, AND SHALL BE OF THE TYPE AND QUALITY DESCRIBED HEREIN. IF IT BECOMES APPARENT WITHIN ONE YEAR FROM THE DATE OF ACCEPTANCE OF FINAL COMPLETION BY THE OWNER THAT THE EQUIPMENT DOES NOT MEET THE WARRANTIES SPECIFIED ABOVE, CONTRACTOR SHALL CORRECT ANY DEFECT, INCLUDING NONCONFORMANCE WITH THESE SPECIFICATIONS AT NO COST.

16. ALL STAGING AND STORAGE OF MATERIALS SHALL BE ON SITE.

17. CONTRACTOR SHALL SECURE CERTIFICATES OF INSPECTION AND OF OCCUPANCY AS MAY BE REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER THE WORK AND DELIVER SAME TO THE OWNER UPON COMPLETION OF THE WORK.

18. CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS AND RUBBISH FROM AND ABOUT THE PROJECT AS WELL AS ALL TOOLS, CONTRUCTION EQUIPMENT, MACHINERY, SURPLUS MATERIAL, ETC. AT THE COMPLETION OF WORK. ALL WORK SHALL BE LEFT IN CONDITION FOR OCCUPANCY BY THE TENANT SUCH THAT NO CLEANING, WAXING, POLISHING OR OTHER JANITORIAL OPERATIONS ARE REQUIRED.

19. ALL INSTALLED MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE STATE AND CITY CODES AND ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND ALL REQUIRMENTS OF LOCAL AND FEDERAL AUTHORITIES HAVING JURISDICTION.

20. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF WORK BY ALL SUB-CONTRACTORS. CONTRACTOR SHALL PAY FOR ALL COSTS ASSOCIATED WITH CHANGEDS DUE TO LACK OF COORDINATION.

21. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND ADEQUACY OF HIS PLANT, APPLICANCES, AND METHODS. HE SHALL ERECT AND MAINTAIN AT ALL TIMES PROPER SAFEGUARDS AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK FOR THE PROTECTION OF WORKMEN, OWNER, AND OWNER'S PROPERTY, AND SHALL POST DANGER WARNINGS AGAINST HAZARDS CREATED BY THE CONSTRUCTION OPERATIONS. HE SHALL DESIGNATE A RESPONSIBLE MEMBER OF HIS ORGANIZATION ON THE WORK, WHOSE DUTY SHALL BE THE PREVENTION OF ACCIDENTS. IN ABSENCE OF NOTICE TO THE CONTRARY, FILED IN WRITING TO THE OWNER, THIS PERSON WOULD BE THE SUPERINTENDENT OF THE CONTRACTOR.

22. PROVIDE 3/4" CHAMFER AT ALL EXPOSED CONCRETE EDGES UNLESS SHOWN OTHERWISE.

23. ALL EXTERIOR STEEL TO BE FACTORY PRIMED AND FIELD PAINTED.

24. DEMOLITION: FIELD VERIFY THE REMAINDER OF WALLS, CEILINGS, EQUIPMENT, FURNITURE, AND CASEWORK WITHIN PROJECT BOUNDARY. VERIFY REMOVAL OF EQUIPMENT WITH OWNER. FOR SPECIALTY EQUIPMENT REMOVAL VERIFY WITH OWNER.

25. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.

FIRE DEPARTMENT NOTES

1. PORTABLE FIRE EXTINGUISHER(S) SHALL BE PROVIDED.
2. MINIMUM 2A 10B:C FIRE EXTINGUISHERS SHALL BE PROVIDED. TRAVEL DISTANCE TO ANY EXTINGUISHER SHALL NOT EXCEED 75 FEET FROM ANY PORTION OF THE BUILDING. EXTINGUISHER(S) SHALL BE HUNG NO HIGHER THAN 44 INCHES MEASURED FROM THE FLOOR TO THE TOP OF THE EXTINGUISHER. SHALL NOT CONTAIN CFCS OR HALONS
3. ADDITIONAL EXIT SIGNS AND EMERGENCY LIGHTING MAY BE REQUIRED PRIOR TO FINAL INSPECTION FOR OCCUPANCY. A PRELIMINARY WALK-THROUGH INSPECTION IS RECOMMENDED.
4. APPLICANT MUST VERIFY WITH THE WATER PURVEYOR IF MODIFICATIONS TO THE WATER METER OR OTHER MODIFICATIONS TO THE WATER SUPPLY SYSTEM ARE REQUIRED, PRIOR TO THE INSTALLATION OF THE AUTOMATIC SPRINKLER SYSTEM.
5. THE PROVISIONS OF CBC & CFC CHAPTERS 7, 11 & 33 SHALL BE ENFORCED ON THIS PROJECT.

DSA GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE 2016 EDITION, TITLE 24 CALIFORNIA CODE OF REGULATIONS
2. A 'DSA CERTIFIED' PROJECT INSPECTOR WITH CLASS _1_ CERTIFICATION IS REQUIRED FOR THIS PROJECT.
3. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
4. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
5. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-388, PART 1, TITLE 24.
6. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24 , CCR)

GREEN BUILDING NOTES

1. OUTDOOR LIGHTING SYSTEMS SHALL BE DESIGNED AND INSTALLED TO COMPLY WITH THE FOLLOWING:
   1. THE MINIMUM REQUIREMENTS IN THE THE CALIFORNIA ENERGY CODE FOR LIGHTING ZONES 1-4 AS DEFINED IN CHAPTER 10 OF THE CALIFORNA ADMINISTRATION CODE.
   2. BACKLIGHT, UPLIGHT AND GLARE RATINGS AS DEFINED IN IES TM-15-11.
   3. ALLOWABLE BUG RATINGS NOT EXCEEDING THOSE SHOWN IN TABLE 5.106.8.
   EXCEPTIONS:
   1. LUMINAIRES THAT QUALIFY AS EXCEPTIONS IN SECTION 147 OF THE CALIFORNIA ENERGY CODE.
   2. EMERGENCY LIGHTING.
2. SEPARATE METERS OR METERING DEVICES SHALL BE INSTALLED FOR BUILDINGS IN EXCESS OF 50,000 SQUARE FEET. A SEPARATE SUBMETER OR METERING DEVICE SHALL BE PROVIDED FOR ANY TENANT WITHIN A BUILDING OR WITHIN AN ADDITION THAT IS PROJECTED TO CONSUME MORE THAN 1000 GAL/DAY. CGBC 5.303.1
3. ALL NEW PLUMBING FIXTURES SHALL COMPLY WITH CGBSC TABLE 5.303.2.2
4. PLUMBING FIXTURES SHALL MEET THE MAXIMUM FLOW RATE VALUES SHOWN IN TABLE CGBC 5.303.2.3. EXCEPTION: BUILDINGS THAT DEMONSTRATE 20 PERCENT OVERALL WATER USE REDUCTION. WATER CLOSETS, URINALS, FAUCETS, AND SHOWERHEADS SHALL MEET THE STANDARDS REFERENCED IN TABLE 1401.1 OF THE CALIFORNIA PLUMBING CODE.
5. EACH BUILDING SHALL REDUCE BY 20 PERCENT WASTEWATER BY ONE OF THE FOLLOWING METHODS:
   1. THE INSTALLATION OF WATER CONSERVING FIXTURES (WATER CLOSETS, URINALS).
   2. UTILIZING NONPOTABLE WATER SYSTEMS (CAPTURED RAINWATER, GRAYWATER) COMPLYING WITH THE CALIFORNIA PLUMBING CODE.
6. TESTING AND ADJUSTING OF SYSTEMS IS REQUIRED. PERFORM TESTING AND ADJUSTING PROCEDURES IN ACCORDANCE WITH INDUSTRY PRACTICES AND APPLICABLE STANDARDS ON EACH SYSTEM. DEVELOP A WRITTEN PLAN OF PROCEDURES FOR TESTING AND ADJUSTING SYSTEMS. SYSTEMS TO BE INCLUDED ARE:
   1. HVAC SYSTEMS AND CONTROLS
   2. INDOOR AND OUTDOOR LIGHTING CONTROLS.
   3. WATER HEATING SYSTEMS.
   4. RENEWABLE ENERGY SYSTEMS.
   5. LANDSCAPE IRRIGATION SYSTEMS.
   6. WATER REUSE SYSTEMS.
7. HVAC SYSTEMS MUST BE BALANCED IN ACCORDANCE WITH PROCEDURES DEFINED BY APPROVED NATIONAL STANDARDS. AFTER COMPLETION OF TESTING, ADJUSTING AND BALANCING, A FINAL REPORT OF TESTING SIGNED BY THE TESTING AGENCY MUST BE COMPLETED.
8. AN OPERATION AND MAINTENANCE MANUAL WITH OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF WARRANTIES FOR EACH SYSTEM IN THE BUILDING MUST BE PROVIDED TO THE BUILDING OWNER.
9. ALL INSPECTION REPORTS AND CERTIFICATION THAT THE OPERATION AND MAINTENANCE MANUAL HAS BEEN PROVIDED FOR THE BUILDING OWNER MUST BE SUBMITTED TO THE BUILDING DIVISION PRIOR TO CERTIFICATE OF OCCUPANCY. CGBC 5.503.1
10. ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEETMETAL UNTIL THE FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT. CGBC 5.504.3
11. AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR MUST PROVIDE AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8.
12. OUTSIDE AIR DELIVERY: MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS MUST MEET THE MINIMUM REQUIREMENTS OF SECTION 121 OF THE CALIFORNIA ENERGY CODE. CGBC 5.506.1.
13. CARBON DIOXIDE MONITORING: FOR BUILDINGS EQUIPPED WITH DEMAND CONTROL VENTILATION, CO2 SENSORS AND VENTILATION CONTROLS SHALL BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE CALIFORNIA ENERGY CODE, SECTION 121(c). CGBC 5.506.2.
14. OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS. INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH CGBC SECTION 5.508.
15. ADHESIVES, CAULKS AND SEALANTS SHALL COMPLY WITH THE VOLATILE ORGANIC COMPOUND (VOC) LIMITS LISTED IN TABLES 5.504.4.1-5.504.4.2 OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE 2013. (CGBC) AND SCAQMD RULE 1168. ADHESIVES, SEALANTS AND CAULKS SHALL ALSO COMPLY WITH THE RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC COMPOUNDS (CHLOROFORM, ETHYLENE DICHLORIDE, METHYLENE CHLORIDE, PERCHLOROETHYLENE AND TRICHLOROETHYLENE), EXCEPT FOR AEROSOL PRODUCTS THAT SHALL COMPLY WITH CCR TITLE 17.
16. AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGING WHICH DO NOT WEIGH MORE THAN ONE POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH ANTISPECIFIC VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507. CGBC 5.504.4.1.
17. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH THE VOLATILE ORGANIC COMPOUND (VOC) LIMITS LISTED IN TABLE 5.504.4.3 OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE 2013. (CGBC) AND VOC LIMITS IN TABLE 1 OF THE ARB ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE UNLESS MORE STRINGENT LOCAL LIMITS APPLY. THE VOC CONTENT LIMIT FOR COATINGS THAT DO NOT MEET THE DEFINITIONS FOR THE SPECIALTY COATINGS CATEGORIES LISTED IN TABLE 5.504.4.3 SHALL BE DETERMINED BY CLASSIFYING THE COATING AT A FLAT, NONFLAT OR NONFLAT-HIGH GLOSS COATING, BASED ON ITS GLOSS, AS DEFINED IN SUBSECTIONS 4.21, 4.36 AND 4.37 OF THE 2007 CALIFORNIA AIR RESOURCES BOARD, SUGGESTED CONTROL MEASURE, AND THE CORRESPONDING FLAT, NONFLAT OR NONFLAT-HIGH GLOSS VOC LIMIT IN TABLE 5.504.4.3 SHALL APPLY.
18. AEROSOL PAINTS AND COATINGS SHALL MEET THE PWMR LIMITS FOR ROC IN SECTION 94522(a)(3) AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING SUBSTANCES, IN SECTIONS 94522(c)(2) AND (d)(2) OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94520.
19. THE MANUFACTURER'S SPECIFICATIONS SHOWING VOC CONTENT FOR ALL APPLICABLE PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION.
20. ALL NEW CARPET INSTALLED IN THE BUILDING INTERIOR MEETS THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING:
   A. CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM
   B. CALIFORNIA DEPARTMENT OF PUBLIC HEALTH STANDARD PRACTICE FOR THE TESTING OF VOCS (SPECIFICATION 01350)
   C. NSF/ANSI 140 AT THE GOLD LEVEL
   D. SCIENTIFIC CERTIFICATIONS SYSTEMS INDOOR ADVANTAGE GOLD.
21. ALL NEW CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM. ALL CARPET ADHESIVE SHALL MEET REQUIREMENTS FOR ADHESIVES.
22. NEW HARDWOOD PLYWOOD, PARTICLE BOARD, AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED IN THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE FORMALDEHYDE LIMITS LISTED IN TABLE 5.504.4.5 PER ARB'S AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD.
23. THE MANUFACTURER'S SPECIFICATIONS SHOWING FORMALDEHYDE CONTENT FOR ALL APPLICABLE WOOD PRODUCTS SHALL BE READILY AVALABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERFICATION.
24. 80% OF THE TOTAL AREA RECEIVING NEW RESILIENT FLOORING SHALL COMPLY WITH THE VOC LIMITS OR BE CERTIFIED UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOORSCORE PROGRAM.
25. NONABSORBENT INTERIOR FLOOR AND WALL FINISHES SHALL BE USED WITHIN AT LEAST TWO FEET AROUND AND PERPENDICULAR TO NEW EXTERIOR ENTRIES AND/OR OPENING SUBJECT TO FOOT TRAFFIC.
26. WATER RESISTANCE AND MOISTURE MANAGEMENT: DESIGN AND MAINTAIN LANDSCAPE IRRIGATION SYSTEMS TO PREVENT SPRAY ON STRUCTURES. DESIGN EXTERIOR ENTRIES AND/OR OPENINGS SUBJECT TO FOOT TRAFFIC OR WIND-DRIVEN RAIN TO PREVENT WATER INTRUSION INTO BUILDINGS. CGBC 5.407.
27. ESTABLISH A CONSTRUCTION WASTE MANAGEMENT PLAN FOR THE DIVERTED MATERIALS, OR MEET LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, WHICHEVER IS MORE STRINGENT. CGBSC 5.408.1
28. WHERE A LOCAL JURISDICTION DOES NOT HAVE A CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN FOR APPROVAL BY THE ENFORCEMENT AGENCY THAT: 1. IDENTIFIES THE MATERIALS TO BE DIVERTED FORM DISPOSAL BY EFFICIENT USAGE, RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE OR SALE. 2. DETERMINES IF MATERIALS WILL BE SORTED ON-SITE OR MIXED. 3. IDENTIFIES DIVERSION FACILITIES WHERE MATERIAL COLLECTED WILL BE TAKEN. 4. SPECIFIES THAT THE AMOUNT OF MATERIALS DIVERTED SHALL BE CALCULATED BY WEIGHT OR VOLUME, BUT NOT BY BOTH. CGBSC 5.408.2
29. DOCUMENTATION SHALL BE PROVIDED TO THE ENFORCING AGENCY WHICH DEMONSTRATES COMPLIANCE WITH SECTION 5.408.2, ITEMS 1 THRU 4. THE WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE ACCESSIBLE DURING CONSTRUCTION FOR EXAMINATION BY THE ENFORCING AGENCY. CGBSC 5.408.2.1
30. RECYCLE AND OR SALVAGE FOR REUSE A MINIMUM OF 50 PERCENT OF THE NON-HAZARDOUS CONSTRUCTION AND DEMOLITION DEBRIS, OR MEET LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, WHICHEVER IS MORE STRINGENT. CALCULATE THE AMOUNT OF MATERIALS DIVERTED BY WIEGHT OR VOLUME,BUT NOT BY BOTH. EXCEPTIONS: 1. EXCAVATED SOIL AND LAND-CLEARING DEBRIS 2. ALTERNATE WASTE REDUCTION METHODS DEVELOPED BY WORKING WITH LOCAL AGENCIES IF DIVERSION OR RECYCLE FACILITIES CAPABLE OF COMPLIANCE WITH THIS ITEM DO NOT EXIST. CGBSC 5.408.4
31. ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. WHERE OUTDOOR AREAS ARE PROVIDED FOR SMOKING, PROHIBIT SMOKING WITHIN 25 FEET OF BUILDING ENTRIES. OUTDOOR AIR INTAKES AND OPERABLE WINDOWS AND IN BUILDINGS. POST SIGNAGE TO INFORM BUILDING OCCUPANTS OF THE PROHIBITIONS. CGBC 5.504.7.
32. ACOUSTICAL CONTROL: BUILDING ASSEMBLIES AND COMPONENTS SHALL HAVE SOUND TRANSMISSION COEFFICIENTS (STC) VALUES AS DETERMINED IN ACCORDANCE WITH ASTM E90 AND ASTM E413 USING EITHER THE PRESCRIPTIVE OR PERFORMANCE METHOD SPECIFIED IN CGBC SECTION 5.507.
33. RECYCLING: PROVIDE EASILY ACCESSIBLE AREAS THAT SERVE THE ENTIRE BUILDING AND ARE IDENTIFIED FOR THE DEPOSITING, STORAGE AND COLLECTION OF NON-HAZARDOUS MATERIALS FOR RECYCLING, INCLUDING (AT A MINIMUM) PAPER, CORRUGATED CARDBOARD, GLASS, PLASTICS AND METALS. CGBC 5.410.1.

ABBREVIATIONS

&	AND
(E)	EXISTING
@	AT
A.B.	ANCHOR BOLT
A.C.	ASPHALTIC CONCRETE
A.F.F.	ABOVE FINISH FLOOR
A/C	AIR CONDITIONER
ACOUST	ACOUSTICAL
AL.	ALUMINUM
ALUM	ALUMINUM
ANOD	ANODIZED
ARCH	ARCHITECTURAL
BLDG	BUILDING
BLK	BLOCK OR BLOCKING
BOT	BOTTOM
C.I.	CAST IRON
C.J.	CEILING JOIST
C.L.	CHAIN LINK
C.L.F.	CHAIN LINK FENCE
C.M.U.	CONCRETE MASONRY UNIT
CAB	CABINET
CLG	CEILING
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
d	PENNY
D.F	DOUGLAS FIR
DBL	DOUBLE
DEMO	DEMOLITION
DET	DETAIL
DIA.	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
E.J.	EXPANSION JOINT
EA	EACH
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
F.G	FINISH GRADE
F.R.	FIRE RATED, FIRE RESISTANT
FIN	FINISH
FLHT	FULL HEIGHT
FLR	FLOOR
FR.	FRAME
FT	FOOT OR FEET
FTG	FOOTING
G.F.F.	GLASS FIBER FACED
G.I.	GALVANIZED IRON
G.W.B.	GYPSUM WALLBOARD
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GYP	GYPSUM
H.M.	HOLLOW METAL

ABBREVIATIONS

HDR	HEADER
HI	HIGH
HT	HEIGHT
IN	INCHES
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
LBS	POUNDS
M.O.	MASONRY OPENING
M.R.	MOISTURE RESISTANT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
N.I.C.	NOT IN CONTRACT AND NOT PART OF THIS APPLICATION
N.T.S.	NOT TO SCALE
N/A	NOT AVAILABLE
NO., #	NUMBER
O.C.	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PT	POINT
PWD	PLYWOOD
R	RISER
R.C.P.	REFLECTED CEILING PLAN
R.D.	ROOF DRAIN
R.O.	ROUGH OPENING
REF	REFERENCE
REFL	REFLECTED
REINF	REINFORCING
REQ'D	REQUIRED
REV	REVISION
RM	ROOM
S.C.	SOLID CORE
S.F.	SQUARE FEET
S.S.	STAINLESS STEEL
SCHED	SCHEDULE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SQ	SQUARE
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPEND, SUSPENDED
T & G	TONGUE AND GROOVE
T.O.C.	TOP OF CURB
T.O.P.	TOP OF PLATE
T.O.P.	TOP OF PARAPET
T.O.W.	TOP OF WALL
TEL	TELEPHONE
THK	THICK
TYP	TYPICAL
U.L.	UNDERWRITERS LABORATORIES
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
VERT	VERTICAL
W.H.	WATER HEATER
W.R.	WATER RESISTANCE
W.W.M.	WELDED WIRE MESH
W/	WITH
WD	WOOD
WDW	WINDOW

DEFERRED SUBMITTALS

NOTE: INSTALLATION OF ITEMS BELOW SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS OF THE ACTUAL SYSTEM TO BE INSTALLED HAVE BEEN APPROVED BY DSA. SUCH PLANS AND SPECS SHALL BE SIGNED BY THE ARCHITECT OF RECORD OR USE "STATEMENT FOR PLANS PREPARED BY OTHER DESIGN PROFESSIONALS".

DEFERRED ITEMS ARE:

1. ELEVATOR GUIDE RAILS AND SUPPORT BRACKET ANCHORAGE

NOTE: IT IS THE ARCHITECT'S RESPONSIBILITY TO SUBMIT DEFERRED SUBMITTAL ITEMS TO DSA FOR APPROVAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TO THE ARCHITECT, ALL REQUIRED INFORMATION FOR THE DEFERRED PERMITS. CONTRACTOR SHALL ALLOW AN ADDITIONAL 60 DAYS IN ADDITION TO THE STANDARD SUBMITTAL PROCESS FOR DSA APPROVAL OF DEFERRED ITEMS.

HAZARDOUS MATERIALS NOTES

THIS PROJECT INCLUDES THE REMOVAL AND DISPOSAL OF HAZARDOUS MATERIALS INCLUDING, BUT NOT LIMITED TO, ASBESTOS AND LEAD BASED PAINT. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF HAZARDOUS MATERIALS IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. A LISTING OF KNOWN HAZARDOUS MATERIALS AS WELL AS A WORK PLAN FOR ITS REMOVAL, PREPARED BY THE OWNER'S SEPARATE CONSULTANT, IS INCLUDED IN THE PROJECT



BUILDING LEGEND

BUILDING		A#	CERTIFICATION DATE
A-	ADMINISTRATION	A# 27079	01/23/1979
AA-	APPLIED ARTS	A# 27214	01/20/1969
AC-	ACADEMIC CENTER	A03-110305	01/05/2015
CC-	CAMPUS CENTER	A# 27214	01/20/1969
CDC-	CHILD DEVELOPMENT CENTER	A03-107539	07/29/2010
COM-	COMMUNICATIONS	A# 51411	02/09/1995
FH-	FOUNTAIN HALL	A03-108616	07/03/2013
HS-	HEALTH SCIENCE	A03-111305	12/12/2012
HSS-	HUMANITIES / SOCIAL SCIENCE	A# 35424	02/05/1976
LLR-	LIBRARY / LEARNING RESOURCES	A03-104726	11/20/2012
LMC-	LIFE / MATH / COMPUTER SCIENCE	A# 27214	01/20/1969
M-	MUSIC	A# 35424	02/05/1976
MO-	MAINTENANCE / OPERATIONS	A# 27079	01/23/1969
O-	OBSERVATORY	A# 47124	04/05/1989
PA-	PERFORMING ARTS	A# 57288	08/08/1999
PS-	PHYSICAL SCIENCE	A# 27214	01/20/1969
SS-	STUDENT SERVICES	A# 40577	12/12/1978
T-	TECHNOLOGY / BUSINESS	A# 31714	06/16/1971
Z-	ZOO	A03-111321	05/23/2013
G-	GYMNASIUM	A# 27349	08/21/1968
POS-	POLICE STATION	A03-114024	11/15/2016
P-	PARKING STRUCTURE	A03-114024	11/15/2016

0' 25' 75' 100' 200' 400'

NORTH

1 OVERALL CAMPUS PLAN
1" = 100'-0"

FIRE LIFE SAFETY GENERAL NOTES

Incorporate Applicable Sections Per: 2016 California Regulations
CBC 3301.1 - The provisions of this chapter shall govern safety during construction and the protection of adjacent public properties.
CBC 3302.1 - Alterations, repairs and additions. Required exits, existing structural elements, fire protection devices and sanitary safeguards shall be maintained at all times during alterations, repairs or additions to any building or structure.
CBC 3302.3 - Fire safety during construction shall comply with the applicable requirements of this code and the applicable provisions of Chapter 33 of the California Fire Code.
CBC 3303.1 - Construction documents and a schedule for demolition shall be submitted where required by the building official.
CBC 3303.2 - The work of demolishing any building shall not be commenced until pedestrian protection is in place as required by this chapter.
CBC 3303.3; 3310.2 / CFC 3311.2 - Required means of egress shall be maintained during construction and demolition, remodeling or alterations and additions to any building.
CBC 3309.1 - Structures under construction, alteration or demolition shall be provided with no less than one approved portable fire extinguisher in accordance with Section 906 and sized for not less than ordinary hazard as follows.
CBC 3401A.4.1 - Existing material and equipment already in use in a building in compliance with requirements or approvals in effect at time of their errection or installation shall be permitted to remain in use unless determined by the building official to be unsafe in accordance with Section 116.
CBC 3401A.4.2 - New and replacement materials and equipment. Except as otherwise required or permitted by this code, materials and equipment permitted by the applicable code for new construction shall be used
CFC 503.1; Title 19 Division 1 §3.05 - Maintain fire access route(s).
Public street access - provide sign(s) 'No Parking Fire Lane with California Vehicle Code 22500.T and detail. (Or Include note - Existing no parking fire lane sign to be field verified by IOR)
CFC 506.1 - Maintain / Provide Key boxes for fire department access, as appropriate.
CFC 701.1 - The provision of this chapter shall govern maintenance of the materials, systems and assemblies used for structural fire resistance and fire-resistance-rated construction separation of adjacent spaces to safeguard against the spread of fire and smoke within a building and the spread of fire to or from buildings. New building shall comply with CBC.
CFC 701.2 - Where any components in this chapter are not maintained and do not function as intended or do not have the fire resistance required by the code under which the building was constructed, remodeled or altered, such component(s) or portions thereof shall be deemed an unsafe condition, in accordance with section 110.1.1.
Components or portions thereof determined to be unsafe shall be repaired or replaced to conform to that code under which the building was constructed, remodeled, altered or this chapter, as deemed appropriate by the fire code official.
CFC 703.1 & Title 19 Division 1 §1.14 - The required fire-resistance rating of fire-resistance-rated construction (including walls, firestops, shafts enclosures, partitions, smoke-barriers, floors, fire-resistive coatings and sprayed fire-resistant materials applied to structural members and fire-resistant joint systems) shall be maintained. Such elements shall be visually inspected by the owner and properly repaired, restored or replaced when damaged, altered, breached or penetrated. Openings through fire-resistance-rated assemblies shall be protected by self- or automatic-closing doors of approved construction meeting the fire protection requirements for the assembly. (Records of inspections and repairs shall be maintained.) openings made therein for the passage of pipes, electrical conduit, wires, ducts, air transfer openings and holes made for any reason shall be protected with approved methods capable of resisting the passage of smoke and fire.
CFC 703.2 - Opening protective shall be maintained in an operative condition in accordance with NFPA 80. Fire doors and smoke barrier doors shall not be blocked or obstructed or otherwise made inoperable. Fusible links shall be replaced promptly whenever fused or damaged. Fire assemblies shall not be modified.
CFC 704.1 - Interior vertical shafts including, but not limited to, stairways, elevator hoistways, service and utility shafts, that connect two or more stories of a building shall be enclosed or protected.
CFC 901.4; 907.8.5 - Installation Fire Protection System shall be maintained in accordance with original installation standards for that system. Required systems shall be extended, altered or augmented as necessary to maintain and continue protection whenever the building is altered, remodeled or added to. Alterations to fire protection system shall be done in accordance with applicable standards.
Title 19 Division 1§1.14- Every fire alarm system or device, sprinkler system, fire extinguisher, fire hose, fire-resistive assembly or any other fire safety assembly, device material or equipment installed and retained in service in any building or structure subject to California Code of Regulations, Title 19 Division 1 regulations shall be maintained in an operable condition at all times in accordance with California Code of regulations Title 19 Division 1 regulations and with their intended use.
Title 19 Division 1§3.24 - Upon disruption or diminishment of the fire protective qualities of such equipment, material or systems immediate action shall be instituted to effect a reestablishment of such equipment material or systems to their original normal operational condition.
CFC 901.5.1 - It shall be unlawful to occupy any portion of a building or structure until the required fire detection, alarm and suppression systems has been tested and approved.
Fire Alarm Scope requires DSA approved drawings for reference of areas in scope to include compliant fire alarm components (smoke-heat-audible-visual-manual). (Statement of compliance per CFC 901.2.1; 901.6.2.1 & Title 19 Division 1 §904.1 (b) 904.2(c) Record As-Built drawings and test reports CFC 104.9.2; 107.2.1.)
Incorporate Testing Note: 'Completion of Construction shall include Re-Acceptance Testing provisions from NFPA 72 Chapter 14 in accordance with CFC 907.7; Smoke detectors sensitivity testing as required by CFC 907.8.3; 907.8.4 & Section 14.4.4.3'
CFC 1031.1 - The means of egress for building or portions thereof shall be maintained in accordance with this section.
CFC 1031.2 - Required exit accesses, exits and exit discharges shall be continuously maintained free from obstruction or impediments to full instant use in the case of fire or other emergency where the building area served by the means of egress is occupied. An exit or exit passageway shall not be used for any purpose that interferes with means of egress.
CFC 1031.2.1 - Security devices affecting means of egress shall be subject to approval of the fire code official.
CFC 1031.3 - A means of egress shall be free from obstructions that would prevent its use, including the accumulation of snow and ice.
CFC 1031.4 - Exit signs shall be installed and maintained in accordance with section 1013. Decorations, furnishings, equipment or adjacent signage that impairs the visibility of exit signs, creates confusion or prevents identification of the exit shall not be allowed.
CFC Chapter 11 Construction Provisions applicable to existing building.
CFC Chapter 33 Fire Safety during Construction and demolition applicable provisions to be replicated verbatim - Sample sections - 3304 Precautions against fire; 3304.2 waste disposal; 3304.5 fire watch; 3304.6 cutting & welding; 3305 Flammable & Combustible liquids; 3308 Owners responsibility; 3310 Access for firefighting; 3311 Means of Egress; 3312 Water supply for fire protection; 3315 Fire extinguishers; 3317 Roofing Operations.
These provisions are provided as appropriate - applicable to scope:
CBC Section 101.4.7 Existing Building; 102.6 Existing Structures; 107.2.3 Means of Egress; 1001.3 Maintenance of Egress see CFC Section 1031; 1001.4 Fire Safety & Evacuation Plans CFC 401.2 & 404; 1029.1 Assembly Egress; 1029.2 Assembly Main Exit; 1029.3 Assembly Other Exits; 1020.4 Dean End

CONSULTANT

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APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN AMADOR C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
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(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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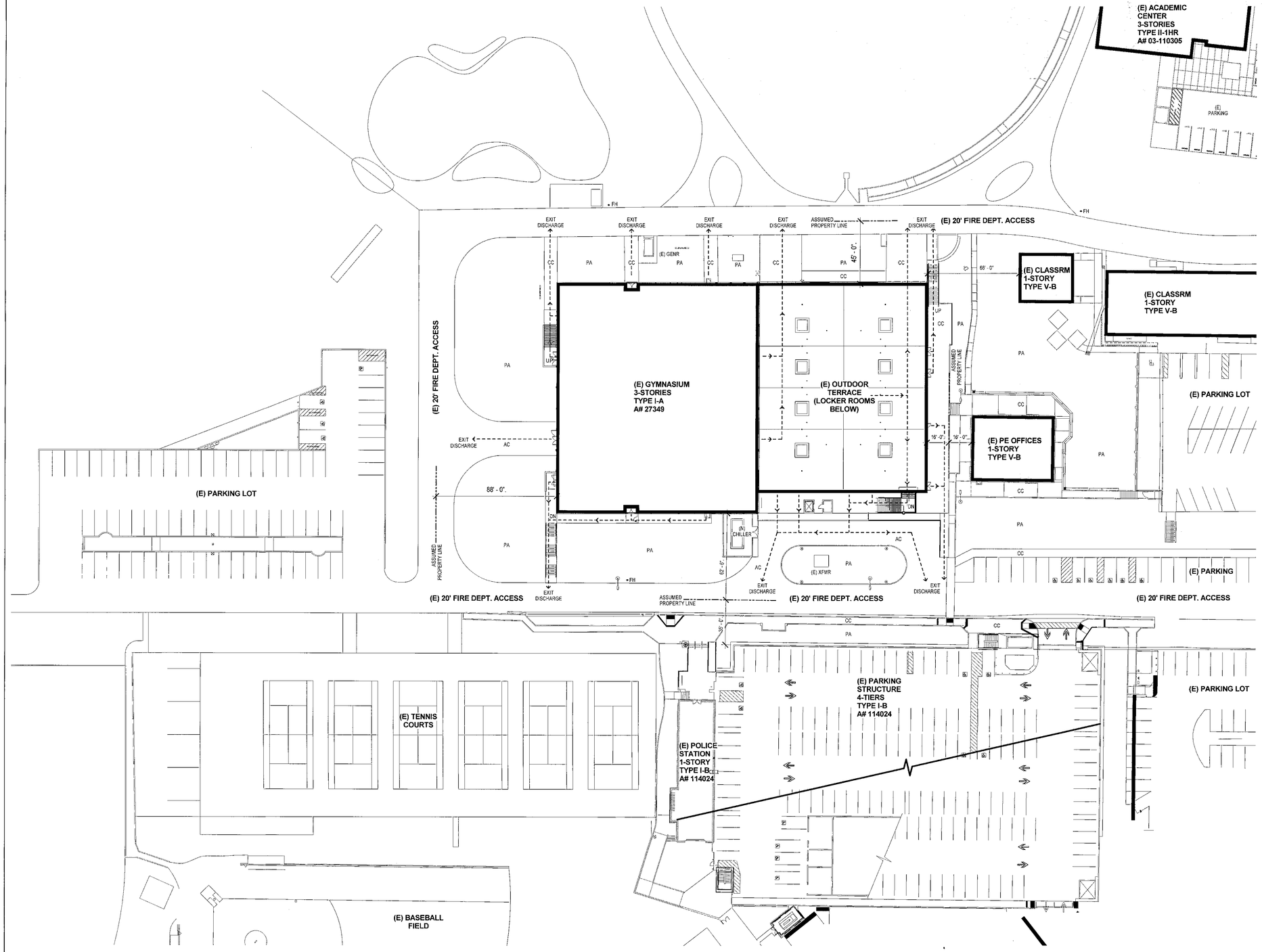
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OVERALL CAMPUS PLAN

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

G0.02

___ OF ___



1 SITE PLAN - CODE ANALYSIS
1" = 30'-0"

0' 10' 20' 30' 60' 120'

NORTH

EXTERIOR WALL RATING / ALLOWABLE OPENING ANALYSIS

WALL LOCATION AT ASSUMED PROPERTY LINE	FIRE SEPARATION DISTANCE	WALL RATING PER CBC TABLE 602	MAX. PERMISSABLE AREA OF WALL OPENINGS PER CBC TABLE 705.8 (UP, S)
EAST WALL (GRID A)	16' - 0"	1 HR	75%
WEST WALL (GRID J)	88' - 0"	0 HR	NO LIMIT
NORTH WALL (GRID 12)	45' - 0"	0 HR	NO LIMIT
SOUTH WALL (GRID 1)	62' - 6"	0 HR	NO LIMIT

LEGEND

BLDG	EXISTING BUILDINGS
	EXISTING TRUNCATED DOMES
FH	EXISTING FIRE HYDRANT
	(E) STREET LIGHT
	(E) POLE LIGHT
PA	PLANTER AREA
CC	CEMENT CONCRETE
AC	ASPHALT CONCRETE

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS.

THESE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET (A5.14 - MOBILE SHELVING PLANS & DETAILS) HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR (A#03-118379):

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND

2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317 (B))

I FIND THAT: ☐ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET
☒ THIS DRAWING OR PAGE
IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN,
AND
HAS / HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE OF THE ARCHITECT
WILLIAM JORGE AMADOR, ARCHITECT
AMADOR WHITTLE ARCHITECTS, INC.

DATE 5/21/18

C-20348
LICENSE NUMBER

JANUARY 31, 2019
EXPIRATION DATE

CODE ANALYSIS

NOTE: NOT REVIEWED BY DSA FOR STUDENTS REQUIRING CARE/SUPERVISION ASSISTANCE OR DAY CARE (I-4 USE)

EXISTING BUILDING: (APPROVED & CONSTRUCTED UNDER 1967 UBC)

A. OCCUPANCY TYPE: B-2

B. CONSTRUCTION TYPE: TYPE I (PARTIALLY FIRE SPRINKLERED)

C. NUMBER OF STORIES: THREE STORIES

D. BUILDING HEIGHT: UL

E. BUILDING AREA: UL

F. OCCUPANCY SEPARATION: NONE

G. FIRE RESISTANCE FOR BUILDING ELEMENTS: (UBC TABLE 17-A)

BUILDING ELEMENT	TYPE I-A
PRIMARY STRUCTURAL FRAME	3 HRS
BEARING WALLS EXTERIOR	4 HRS
BEARING WALLS INTERIOR	3 HRS
NON-BEARING WALLS & PARTITIONS EXTERIOR	4 HRS
NON-BEARING WALLS & PARTITIONS INTERIOR	1 HRS
FLOOR CONSTRUCTION & SECONDARY MEMBERS	2 HRS
ROOF CONSTRUCTION & SECONDARY MEMBERS	2 HRS
VERTICAL OPENINGS	2 HRS
EXIT ENCLOSURE	1 HRS

REMODELED BUILDING: (PER 2016 CBC REQUIREMENTS)

A. OCCUPANCY TYPE: A-4 & B

B. CONSTRUCTION TYPE: TYPE I-A (FULLY SPRINKLERED THROUGHOUT)

C. NUMBER OF STORIES: THREE STORIES (UL STORIES PER CBC TABLE 504.4)

D. BUILDING HEIGHT: 28 FT ABOVE GRADE PLANE (UL HT. PER CBC TABLE 504.3)

E. BUILDING AREA: (EXISTING & REMODEL AREAS ARE THE SAME)
(NOTE: CALCULATION EXCLUDES EXTERIOR WALLS)

1ST FLOOR:	
LOCKER ROOMS & SUPPORT SPACES (B OCCUPANCY)	22,706 S.F.
GYMNASIUM (A-4 OCCUPANCY)	13,125 S.F.
	35,831 S.F.
2ND FLOOR:	11,185 S.F.
MECH MEZZANINE:	4,913 S.F.
TOTAL:	51,929 S.F.
TOTAL BUILDING GROSS FOOTAGE	54,411 S.F.

ALLOWABLE AREA = UNLIMITED PER CBC TABLE 506.2

F. OCCUPANCY SEPARATION: NON-SEPARATED OCCUPANCIES (CBC 508.3)

G. FIRE RESISTANCE FOR BUILDING ELEMENTS: (CBC TABLE 601)

BUILDING ELEMENT	TYPE I-A
PRIMARY STRUCTURAL FRAME	3 HRS
BEARING WALLS EXTERIOR	3 HRS
BEARING WALLS INTERIOR	3 HRS
NON-BEARING WALLS & PARTITIONS EXTERIOR	PER CBC TABLE 602
NON-BEARING WALLS & PARTITIONS INTERIOR	0 HRS
FLOOR CONSTRUCTION & SECONDARY MEMBERS	2 HRS
ROOF CONSTRUCTION & SECONDARY MEMBERS	1 1/2 HRS
SHAFTS (CBC 713.4)	2 HRS
EXIT ENCLOSURE	1 HRS

H. BUILDING RISK CATEGORY: III (CBC TABLE 1604A.5)

DSA CERTIFICATION INFORMATION

1. (E) GYMNASIUM BUILDING A# 27349 WAS CERTIFIED 08/21/1968
2. (E) GYMNASIUM BUILDING FIRE ALARM SYSTEM A# 110348 WAS LAST CERTIFIED 05/06/2016
3. (E) GYMNASIUM TELESCOPING BLEACHER SEATING A# 108889 WAS CERTIFIED 12/01/2016
4. (E) PARKING STRUCTURE A# 114024 WAS CERTIFIED 11/15/2016

PARKING SUMMARY

EXISTING PARKING STRUCTURE - A# 114024

STANDARD STALLS =	601
ACCESSIBLE STALLS =	11
VAN ACCESSIBLE STALLS	2
TOTAL PARKING =	614 STALLS

CONSULTANT

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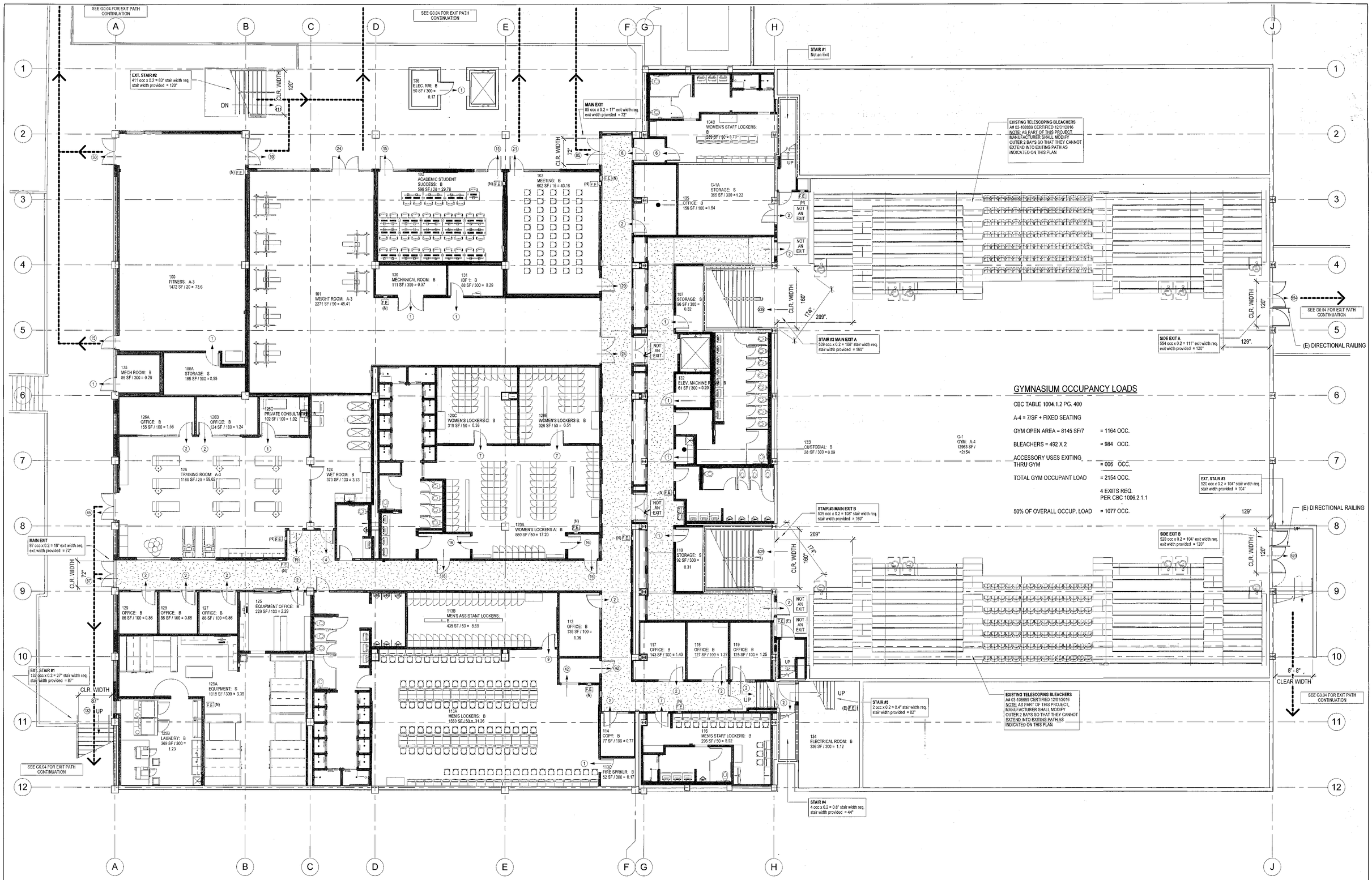
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CODE ANALYSIS

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G0.04

___ OF ___



1 FIRST FLOOR - EGRESS ANALYSIS

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

OCCUPANCY CALCULATIONS - FIRST FLOOR

ROOM #	USE OF ROOM		FLOOR AREA	OCCUPANT FACTOR	# OF OCCUPANTS	# OF EXITS REQ'D
100	FITNESS	A-3	1472 SF	20	73.60	2
100A	STORAGE	S	165 SF	300	0.55	1
101	WEIGHT ROOM	A-3	2271 SF	50	45.41	1
102	ACADEMIC STUDENT SUCCESS	B	596 SF	20	29.79	1
103	MEETING	B	602 SF	15	40.16	1
104	CORR	B	921 SF			
104A	VEST.	B	40 SF			
104B	WOMEN'S STAFF LOCKERS	B	289 SF	50	5.78	1
104C	WOMEN'S STAFF SHOWERS	B	83 SF			
104D	WOMEN'S STAFF RESTROOM	B	175 SF			
105	OFFICE	B	156 SF	100	1.56	1
106	HALL	B	431 SF	0		
107	STORAGE	S	96 SF	300	0.32	1
108	WOMEN'S RESTROOM	B	451 SF			
109	MEN'S RESTROOM	B	265 SF			
110	STORAGE	S	92 SF	300	0.31	1
111	CORRIDOR	B	773 SF			
112	OFFICE	B	136 SF	100	1.36	1
113	VEST.	B	53 SF			
113A	MEN'S LOCKERS	B	1563 SF	50	31.26	1
113B	MEN'S ASSISTANT LOCKERS	B	435 SF	50	8.69	
113C	FIRE SPRKLR	B	52 SF	300	0.17	1
114	COPY	B	77 SF	100	0.77	1
115	CORRIDOR	B	154 SF			
115A	CORRIDOR	B	92 SF			
116	MEN'S STAFF LOCKERS	B	296 SF	50	5.92	1
116A	MEN'S STAFF RESTROOM	B	153 SF			
117	OFFICE	B	143 SF	100	1.43	1
118	OFFICE	B	127 SF	100	1.27	1
119	OFFICE	B	125 SF	100	1.25	1
120	VEST.	B	41 SF			
120A	WOMEN'S LOCKERS A	B	860 SF	50	17.20	1
120B	WOMEN'S LOCKERS B	B	326 SF	50	6.51	1
120C	WOMEN'S LOCKERS C	B	319 SF	50	6.38	1
121	VEST.	B	69 SF			

OCCUPANCY CALCULATIONS - FIRST FLOOR

ROOM #	USE OF ROOM		FLOOR AREA	OCCUPANT FACTOR	# OF OCCUPANTS	# OF EXITS REQ'D
121A	WOMEN'S LOCKERS RESTROOM	B	237 SF			
121B	WOMEN'S LOCKERS SHOWERS	B	259 SF	0		
122	RESTROOM	B	93 SF			
123A	MEN'S LOCKERS RESTROOM	B	386 SF			
123B	MEN'S LOCKERS SHOWERS	B	257 SF			
124	WET ROOM	B	373 SF	100	3.73	1
125	EQUIPMENT OFFICE	B	229 SF	100	2.29	1
125A	EQUIPMENT	S	1018 SF	300	3.39	1
125B	LAUNDRY	B	369 SF	300	1.23	1
126	TRAINING ROOM	A-3	1180 SF	20	59.02	1
126A	OFFICE	B	155 SF	100	1.55	1
126B	OFFICE	B	124 SF	100	1.24	1
126C	PRIVATE CONSULTATION	B	102 SF	100	1.02	1
127	OFFICE	B	86 SF	100	0.86	1
128	OFFICE	B	86 SF	100	0.86	1
129	OFFICE	B	86 SF	100	0.86	1
130	MECHANICAL ROOM	B	111 SF	300	0.37	1
131	IDF 1	B	88 SF	300	0.29	1
132	ELEV. MACHINE ROOM	B	91 SF	300	0.20	1
133	CUSTODIAL	B	28 SF	300	0.09	1
134	ELECTRICAL ROOM	B	336 SF	300	1.12	1
135	MECH ROOM	B	86 SF	300	0.29	1
136	ELEC. RM	B	50 SF	300	0.17	1
G-1	GYM	A-4	12963 SF		2154	4
G-1A	STORAGE	S	366 SF	300	1.22	1
GALL-A	GALLERY A		16 SF			
GALL-B	GALLERY B		38 SF			
GALL-C	GALLERY C		13 SF			
GALL-D	GALLERY D		54 SF			
GALL-E	GALLERY E		20 SF			
GALL-F	GALLERY F		9 SF			
GALL-G	GALLERY G		44 SF			
GALL-H	GALLERY H		44 SF			

FIRST FLOOR TOTAL OCCUPANT LOAD = 2,504

NOTES:

1. BUILDING IS CLASSIFIED AS GROUP A-4 & B PER 2016 CBC 508.3, NONSEPARATED OCCUPANCIES.
2. IN A SPRINKLERED BUILDING, THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL BE A MINIMUM OF ONE-THIRD THE DIAGONAL DIMENSION OF THE AREA SERVED. CBC 1015.2.1, EXCEPTION 2.
3. ALL EXITS HAVE ACCESS TO PUBLIC WAY. SEE CODE ANALYSIS PLAN G0.04
4. EGRESS THROUGH INTERVENING SPACES WHICH ARE ACCESSORY TO EACH OTHER IS ALLOWED PER CBC 1014.2 #1.

LEGEND

ROOM NO. / ROOM NAME / S.F. OF ROOM / OCCUPANCY TYPE / OCCUPANT FACTOR — ROOM TAG: 222 / OFFICE: B / 100 SF/100 = 1

DIRECTION OF TRAVEL

NUMBER OF OCCUPANTS (27)

1-HR PARTITION

2-HR SHAFT

HALLWAY: NOT RATED

PORTABLE FIRE EXTINGUISHER IN SEMI-RECESSED METAL CABINET, TYPE 2A-10-BC NEW OR EXISTING AS INDICATED - 75' MAX SPACING — F.E. (N) / F.E. (E)

TABLE 1014.3
COMMON PATH OF EGRESS TRAVEL

OCCUPANCY	WITH SPRINKLER SYSTEM
B	100'
All Others	75'

TABLE 1016.2
EXIT ACCESS TRAVEL DISTANCE

OCCUPANCY	WITH SPRINKLER SYSTEM
A	250'
B	300'

CONSULTANT

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REVISIONS

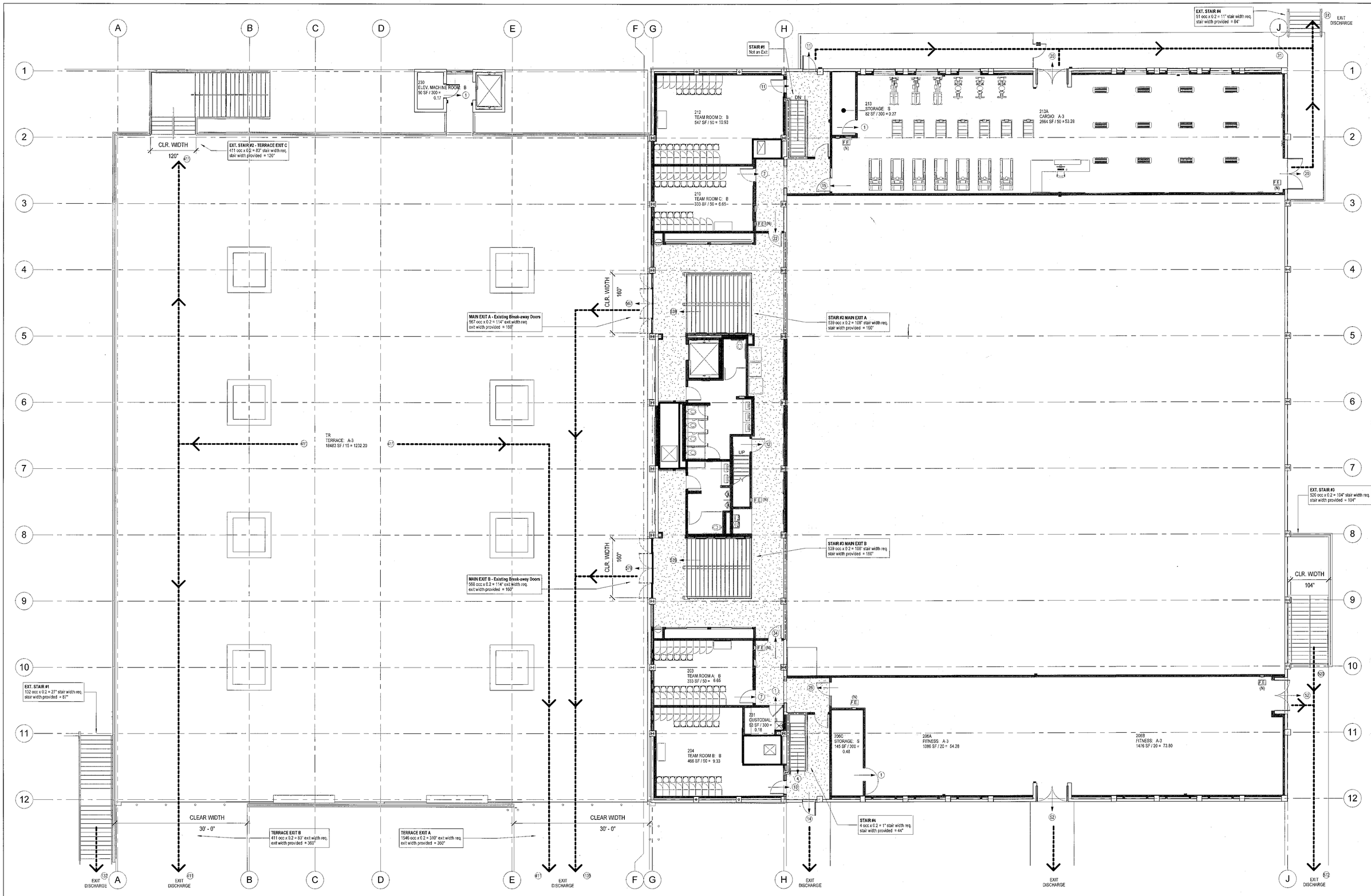
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FIRST FLOOR - EGRESS ANALYSIS

G0.05

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

— OF —



1 SECOND FLOOR - EGRESS ANALYSIS

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

OCCUPANCY CALCULATIONS - SECOND FLOOR

ROOM #	USE OF ROOM		FLOOR AREA	OCCUPANT FACTOR	# OF OCCUPANTS	# OF EXITS REQ'D
200	N. LOBBY	B	539 SF			
201	MEN'S RESTROOM	B	147 SF			
202	HALL	B	97 SF			
203	TEAM ROOM A	B	333 SF	50	6.65	1
204	TEAM ROOM B	B	466 SF	50	9.33	1
205A	HALL	B	77 SF			
205B	HALL		179 SF			
206A	FITNESS	A-3	1086 SF	20	54.28	1
206B	FITNESS	A-3	1476 SF	20	73.80	1
207	S. LOBBY	B	530 SF			
208	WOMEN'S RESTROOM	B	275 SF			
209	HALL	B	108 SF			
210	TEAM ROOM C	B	333 SF	50	6.65	1
211A	HALL	B	77 SF			
211B	HALL		179 SF			
212	TEAM ROOM D	B	547 SF	50	10.93	1
213A	CARDIO	A-3	2664 SF	50	53.28	2
219	HALL	B	649 SF			
230	ELEV. MACHINE ROOM	B	50 SF	300	0.17	1
231	CUSTODIAL	B	53 SF	300	0.18	1
			SECOND FLOOR TOTAL OCCUPANT LOAD =		216	

(E) EXTERIOR TERRACE OCCUPANT LOAD = 1233

NOTES:

1. BUILDING IS CLASSIFIED AS GROUP A-4 & B PER 2016 CBC 508.3, NONSEPARATED OCCUPANCIES.
2. IN A SPRINKLERED BUILDING, THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL BE A MINIMUM OF ONE-THIRD THE DIAGONAL DIMENSION OF THE AREA SERVED. CBC 1015.2.1, EXCEPTION 2.
3. ALL EXITS HAVE ACCESS TO PUBLIC WAY. SEE CODE ANALYSIS PLAN G0.04
4. EGRESS THROUGH INTERVENING SPACES WHICH ARE ACCESSORY TO EACH OTHER IS ALLOWED PER CBC 1014.2 #1.

LEGEND

ROOM TAG: ROOM NO. 222 / ROOM NAME OFFICE / S.F. OF ROOM 100 SF / OCCUPANCY TYPE B / OCCUPANT FACTOR 100 = 1

DIRECTION OF TRAVEL

NUMBER OF OCCUPANTS (27)

1-HR PARTITION

2-HR SHAFT

HALLWAY: NOT RATED

PORTABLE FIRE EXTINGUISHER IN SEMI RECESSED METAL CABINET, TYPE 2A-10-BC NEW OR EXISTING AS INDICATED - 75' MAX SPACING — F.E. (N) F.E. (E)

TABLE 1014.3
COMMON PATH OF EGRESS TRAVEL

OCCUPANCY	WITH SPRINKLER SYSTEM
B	100'
All Others	75'

TABLE 1016.2
EXIT ACCESS TRAVEL DISTANCE

OCCUPANCY	WITH SPRINKLER SYSTEM
A	250'
B	300'

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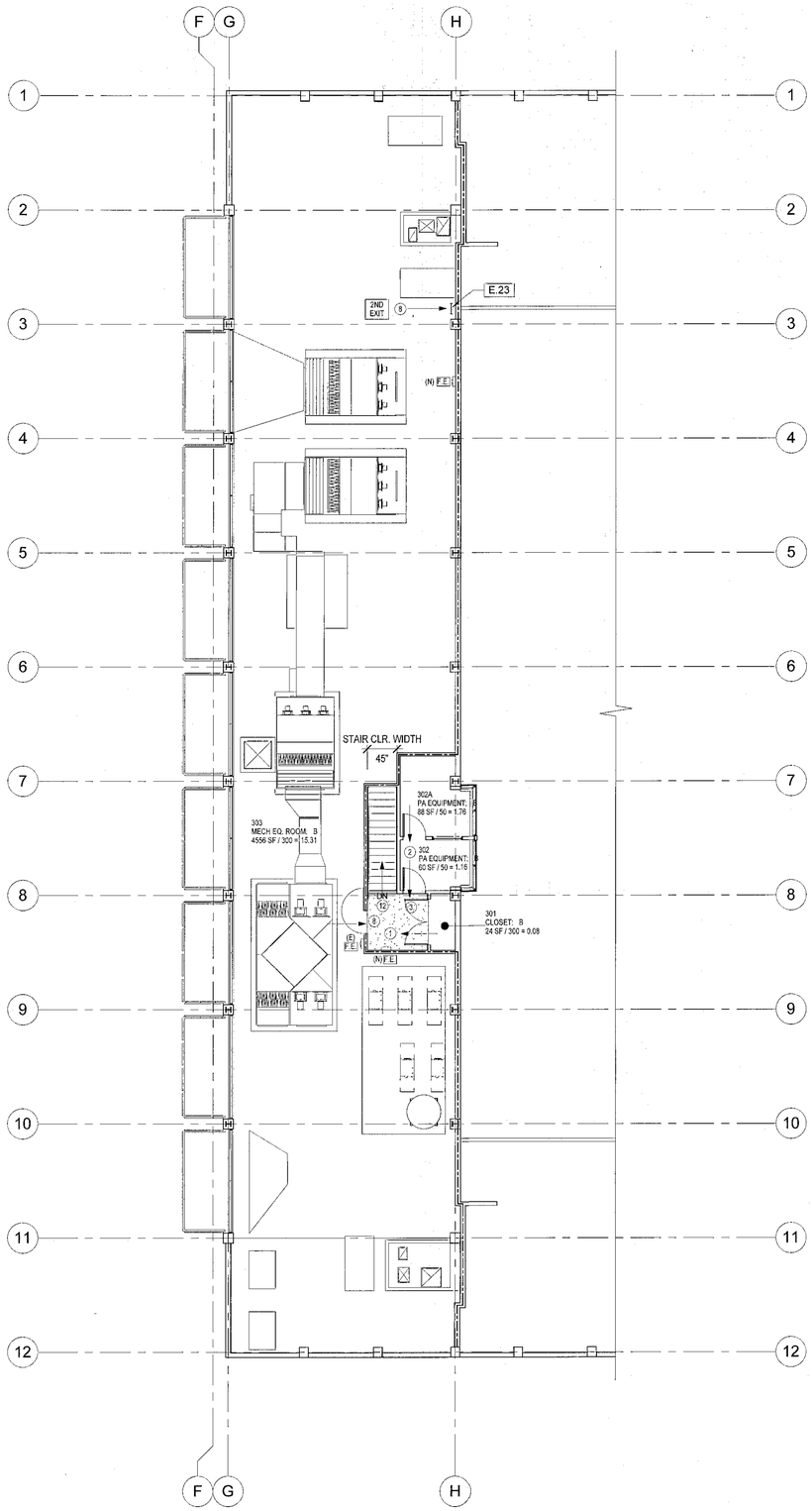
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SECOND FLOOR - EGRESS ANALYSIS

G0.06

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

___ OF ___



1 MECHANICAL MEZZANINE - EGRESS ANALYSIS

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

EXISTING KEYNOTES E#

E.23 (E) ROOF ACCESS LADDER TO REMAIN (2ND EXIT FROM MECHANICAL ROOM)

NOTES:

1. BUILDING IS CLASSIFIED AS GROUP A-4 & B PER 2016 CBC 508.3, NONSEPARATED OCCUPANCIES.
2. IN A SPRINKLERED BUILDING, THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL BE A MINIMUM OF ONE-THIRD THE DIAGONAL DIMENSION OF THE AREA SERVED. CBC 1015.2.1, EXCEPTION 2.
3. ALL EXITS HAVE ACCESS TO PUBLIC WAY. SEE CODE ANALYSIS PLAN G0.04
4. EGRESS THROUGH INTERVENING SPACES WHICH ARE ACCESSORY TO EACH OTHER IS ALLOWED PER CBC 1014.2 #1.

OCCUPANCY CALCULATIONS - MEZZANINE

ROOM #	USE OF ROOM		FLOOR AREA	OCCUPANT FACTOR	# OF OCCUPANTS	# OF EXITS REQ'D
300	VEST.	B	114 SF			
301	CLOSET	B	24 SF	300	0.08	
302	PA EQUIPMENT	B	60 SF	50	1.20	1
302A	PA EQUIPMENT	B	88 SF	50	1.75	1
303	MECH EQ. ROOM	B	4556 SF	300	15.19	1
			MEZZANINE TOTAL OCCUPANT LOAD =		18	

LEGEND

ROOM TAG: ROOM NO. / ROOM NAME / S.F. OF ROOM (222 OFFICE: B, 100 SF/100 = 1) — OCCUPANCY TYPE — OCCUPANT FACTOR

DIRECTION OF TRAVEL

NUMBER OF OCCUPANTS (27)

1-HR PARTITION

2-HR SHAFT

HALLWAY: NOT RATED

PORTABLE FIRE EXTINGUISHER IN SEMI-RECESSED METAL CABINET, TYPE 2A-10 BC NEW OR EXISTING AS INDICATED – 75' MAX SPACING — F.E. (N) F.E. (E)

TABLE 1014.3
COMMON PATH OF EGRESS TRAVEL

OCCUPANCY	WITH SPRINKLER SYSTEM
B	100'
All Others	75'

TABLE 1016.2
EXIT ACCESS TRAVEL DISTANCE

OCCUPANCY	WITH SPRINKLER SYSTEM
A	250'
B	300'

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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC 10 FLS 24 SS 10
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT JORGE AMADOR WHITTLE C-20348 RENEWAL 08/31/2019 STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS

DATE: 03/26/18
DRAWN: JA
CHECK: Checker
JOB NO: 16-MPC-023

MECHANICAL MEZZANINE - EGRESS ANALYSIS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE; SCALE DRAWINGS ACCORDINGLY

G0.07 ___ OF ___

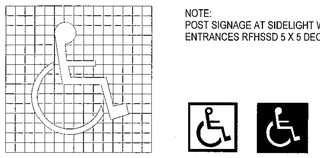
GENERAL ACCESSIBILITY NOTES

1. SYMBOL OF ACCESSIBILITY

A. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USEABLE BY PHYSICALLY DISABLED PERSON AS SET FORTH IN THESE BUILDING STANDARDS AND AS SPECIFICALLY REQUIRED IN THIS SECTION. NOTE: SEE FIGURE 17-6 BELOW.

B. COLOR OF SYMBOL: THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B. EXCEPTION: THE APPROPRIATE ENFORCEMENT AGENCY MAY APPROVE SPECIAL SIGNS AND IDENTIFICATION NECESSARY TO COMPLEMENT DECOR OR UNIQUE DESIGN WHEN IT IS DETERMINED THAT SUCH SIGNS AND IDENTIFICATION PROVIDES ADEQUATE DIRECTION TO HANDICAPPED PERSONS.

C. CONTRAST OF SYMBOL: CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.



PROPORTIONS

NOTE:
POST SIGNAGE AT SIDELIGHT WINDOW TO ALL ENTRANCES RFHSSD 5 X 5 DECAL - POSTED

DISPLAY CONDITIONS

INTERNATIONAL SYMBOL OF ACCESSIBILITY

2. ENTRANCES FIGURE 17-6

A. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.

B. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44-INCHES ABOVE THE FLOOR. PANIC HDWR TO BE MOUNTED ABOVE 36" TO 44"

C. THE FLOOR LANDING ON EACH SIDE OF AND ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60-INCHES AND THE LENGTH OPPOSITE THE SWING OF 48-INCHES AS MEASURE AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION.

D. THE FLOOR OR LANDING SHALL BE NO MORE THAN 1/2" LOWER THAN THE THRESHOLD OR THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

E. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS FOR EXTERIOR DOOR AND 5 LBS. FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OF FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED AS AUTHORIZED BY AUTHORITY HAVING JURISDICTION, NOT TO EXCEED 15 LBS.

3. ACCESSIBLE ENTRANCES

A. ACCESSIBLE ENTRANCES TO THE BUILDING SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS REFERENCED HEREIN. SIGNS AT ENTRIES SHALL BE LOCATED SUCH THAT THEY ARE VISIBLE FROM THE MAIN APPROACH TO THE ENTRY.

4. SIGNS

A. ALL SIGNS (AT MAIN ENTRANCES, TOILETS, PERMANENT ROOMS, ASSISTIVE LISTENING SYSTEM(S) ETC. SHALL COMPLY WITH TITLE 24 AND SECTION 11B-216 AND 11B-703.

5. PATH OF TRAVEL

A. GATES IN PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQUIREMENTS. (CBC 11B-206.5, 11B-404 AND ADA STANDARDS FOR ACCESSIBLE DESIGN, DEPARTMENT OF JUSTICE, SECTION 404). GATE HARDWARE SHALL NOT REQUIRE PINCHING, GRASPING, OR TWISTING MOTION TO OPERATE. PROVIDE SOLID KICK PLATES 10" MINIMUM HIGH. CLEAR SPACE BELOW GATE SHALL BE 3" MAXIMUM ABOVE PAVING ON BOTH SIDES OF THE GATE. THE MAXIMUM EFFORT TO OPERATE THE GATES SHALL NOT EXCEED 5 LBS.

B. HANDRAILS FOR STAIRS AND RAMPS SHALL BE PER APPROVED PLANS AND MOUNTED 1 1/2" MINIMUM FROM SIDE WALLS. CBC 11B-505. ALL WELDED JOINTS AND SURFACES SHALL BE GROUND SMOOTH, NO SHARP OR ABRASIVE CORNERS, EDGES OR SURFACES. WALL SURFACES ADJACENT TO HANDRAIL SHALL BE SMOOTH. CBC 11B.505.6 TO 11B.505.8.

C. "DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT." (DSA PR15-01)

D. ADA TOLERANCE NOTE. IN CASE WHERE SLOPE PERCENTAGES AND DIMENSIONS ARE IDENTIFIED ON THESE PLANS FOR ELEMENTS REGULATED BY THE AMERICAN DISABILITIES ACT AND CHAPTER IIB OF THE CALIFORNIA BUILDING CODE, THE SLOPE PERCENTAGES AND DIMENSIONS SHOWN MAY BE MORE STRINGENT THAN REQUIRED BY CODE. DIMENSIONS AND SLOPE GRADIENTS ALLOWED IN CHAPTER IIB OF THE CBC SHALL BE ACCEPTABLE AND DEEMED TO BE IN COMPLIANCE WITH THESE DOCUMENTS.

TYPICAL ACCESSIBLE PLUMBING FIXTURES

NOTES

1.) TOILET FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREA AS INDICATED AND 36" MAXIMUM ABOVE FINISH FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5-POUNDS.

2.) HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

3.) FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5-POUNDS. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

4.) A GRAB BAR OR ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS.

5.) GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

6.) EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH.

7.) WHERE LOCKERS ARE PROVIDED FOR PUBLIC, CLIENTS, EMPLOYEES, MEMBERS OR PARTICIPANTS, AT LEAST ONE AND NOT LESS THAN ONE PERCENT OF ALL LOCKERS SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY DISABLED. A PATH OF TRAVEL NOT LESS THAN 36-INCHES IN CLEAR WIDTH SHALL BE PROVIDED TO THESE LOCKERS.

8.) THE BUBBLER SHALL BE ACTIVATED BY CONTROL WHICH IS EASILY OPERATED BY A DISABLED PERSON SUCH AS A HAND OPERATED LEVER TYPE CONTROL LOCATED WITHIN 5-INCHES OF THE FRONT OF THE DRINKING FOUNTAIN. THE BUBBLER OUTLET ORIFICE SHALL BE LOCATED 15-INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5-INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS, AND SHALL BE 36-INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. THE WATER STREAM FROM THE BUBBLER SHALL BE SUBSTANTIALLY PARALLEL TO THE FRONT OF THE DRINKING FOUNTAIN.

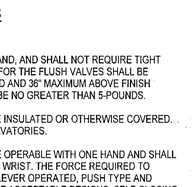
ACCESSORIES INFORMATION

1. THE GRAB BAR SHALL NOT PROJECT MORE THAN 3" INTO THE 48" MINIMUM CLEAR SPACE IN FRONT OF THE WATER CLOSET. GRAB BAR SHALL HAVE STRENGTH TO ALLOW 250 LB HORIZONTAL OR VERTICAL POINT FORCE.

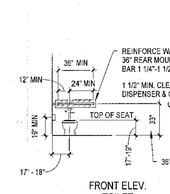
2. TOILET PAPER AND FEMININE NAPKIN DISPENSERS LOCATED AT THE GRAB BAR SIDE OF AN ACCESSIBLE TOILET ROOM OR STALL SHALL NOT PROJECT MORE THAN THE GRAB BAR. THE ACCESSORY SHALL NOT BE LOCATED CLOSER THAN 1 1/2" CLEAR OF THE TANGENT POINT OF THE GRAB BAR.

DIMENSIONS IN INCHES

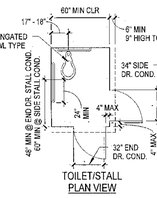
a) TOILET CENTERING FROM WALL	17"-18"
b) TOILET SEAT HEIGHT TO TOP OF SEAT	17"-19"
c) GRAB BAR HEIGHT (CENTERLINE)	33"
d) TOILET PAPER ABOVE FLOOR (CENTERLINE)	15" MAX.
e) TOILET PAPER IN FRONT OF TOILET	7"-9" MAX.
f) NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.
g) DISPENSER HEIGHT	40" MAX.
h) MIRROR HEIGHT (TO BOTTOM OF GLASS)	40" MAX.
i) LAVATORY/SINK TOP HEIGHT	34" MAX.
j) LAVATORY APRON CLEARANCE	29" MIN.
k) LAVATORY/SINK KNEE CLEARANCE	27" MIN.
l) URINAL LIP HEIGHT	17" MAX.
m) URINAL, TOILET FLUSH HANDLE HEIGHT	44" MAX.
n) DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.
o) DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.
p) RAMP/STAIR HANDRAIL HEIGHT	34"-38"



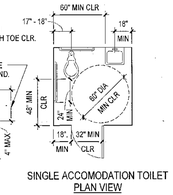
FRONT ELEV. TOILET



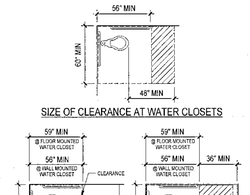
SIDE ELEV. TOILET

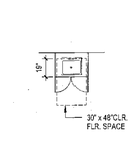


TOILET/STALL PLAN VIEW

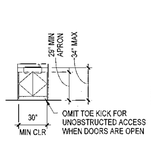


SINGLE ACCOMODATION TOILET PLAN VIEW

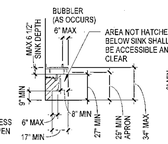




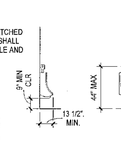
ACCESSIBLE SINK CABINET PLAN



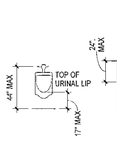
ACCESSIBLE SINK CABINET ELEV.



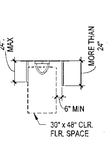
ACCESSIBLE SINK CABINET SECTION



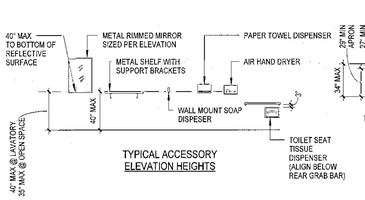
SIDE ELEV. URINAL



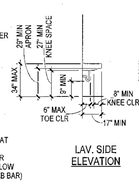
FRONT ELEV. URINAL



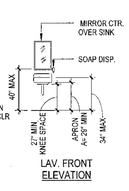
PLAN VIEW URINAL



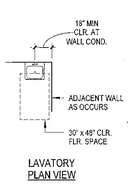
TYPICAL ACCESSORY ELEVATION HEIGHTS



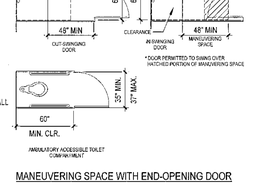
LAV. SIDE ELEVATION



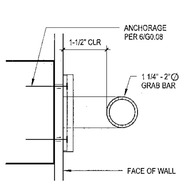
LAV. FRONT ELEVATION



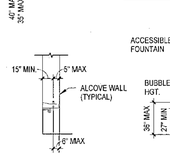
LAVATORY PLAN VIEW



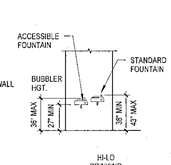
MANEUVERING SPACE WITH END-OPENING DOOR



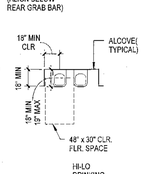
TYPICAL GRAB BAR PROFILE



DRINKING FOUNTAIN SECTION VIEW



DRINKING FOUNTAIN ELEVATION



DRINKING FOUNTAIN PLAN VIEW

PLUMBING FIXTURE WALL MOUNTING INFORMATION

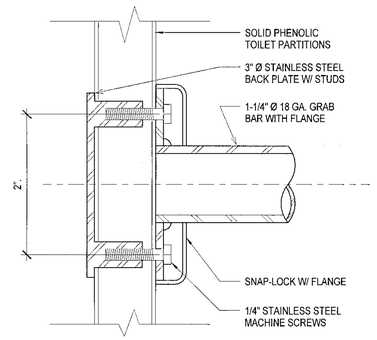
1. PROVIDE BACKING PER DETAIL 6/G0.08
2. ANCHOR FIXTURE TO BACKING PER DETAIL 6/G0.08

GRAB BAR MOUNTING INFORMATION

1. FOR WALL MOUNTED GRAB BAR SEE DETAIL 6/G0.08
2. FOR TOILET PARTITION MOUNTED GRAB BAR SEE DETAIL 10/G0.08

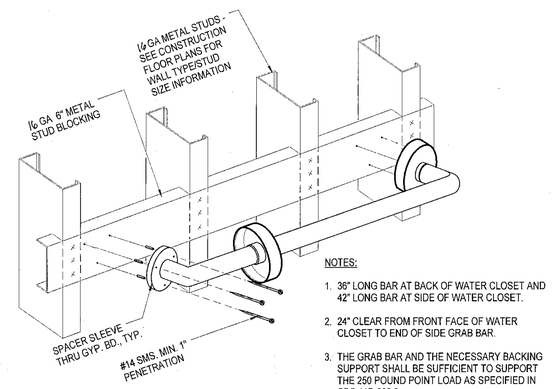
1 TYPICAL ACCESSIBLE PLUMBING FIXTURES AND ACCESSORIES INFORMATION

3/16" = 1'-0"



10 GRAB BAR DETAIL (TOILET PARTITION)

3" = 1'-0"

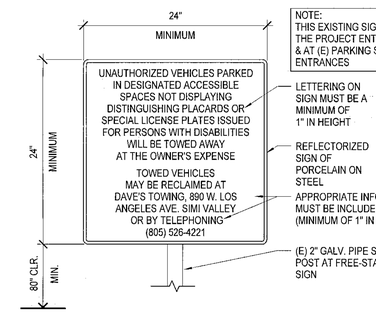


NOTES:

1. 36" LONG BAR AT BACK OF WATER CLOSET AND 42" LONG BAR AT SIDE OF WATER CLOSET.
2. 24" CLEAR FROM FRONT FACE OF WATER CLOSET TO END OF SIDE GRAB BAR.
3. THE GRAB BAR AND THE NECESSARY BACKING SUPPORT SHALL BE SUFFICIENT TO SUPPORT THE 250 POUND POINT LOAD AS SPECIFIED IN CBC 11B-609.8.

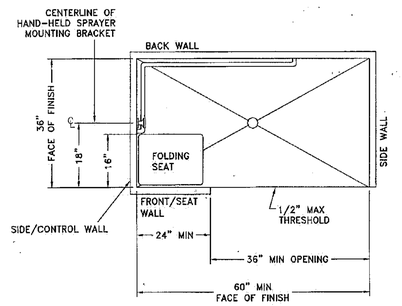
6 GRAB BAR ATTACHMENT DETAIL

3" = 1'-0"

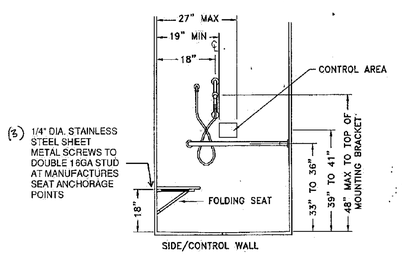


3 EXISTING VEHICLE TOW AWAY SIGN

1 1/2" = 1'-0"



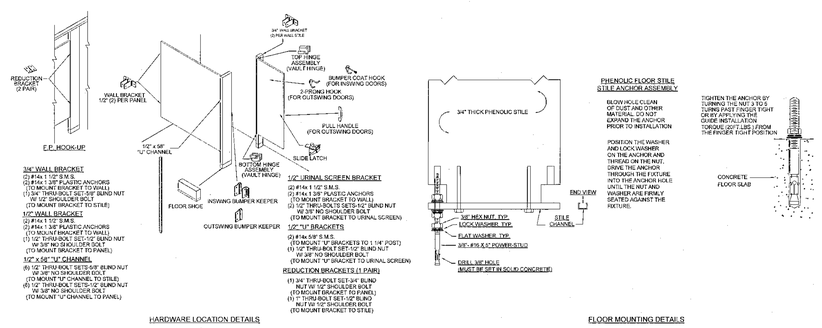
(a) 60" MINIMUM X 36" ALTERNATE ROLL-IN SHOWER



(b) ELEVATION – 60" MINIMUM X 36" ALTERNATE ROLL-IN SHOWER

15 ADA ROLL-IN SHOWER

12" = 1'-0"



11 TOILET PARTITION/URINAL SCREEN MOUNTING DETAILS

1/4" = 1'-0"

CONSULTANT

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DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

LICENSED ARCHITECT WILLIAM CRAIG WHITTLE C-20349 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/18
	DRAWN: JA
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

ACCESSIBILITY NOTES & DETAILS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

G0.08

___ OF ___

ELEVATOR NOTES:

ELEVATOR INSTALLATION SHALL COMPLY WITH CBC CHAPTER 30 ELEVATOR PROVISIONS.

ELEVATOR INSTALLATION SHALL COMPLY WITH CFC SECTION 607.1 - 607.3 AS APPLICABLE.

ELEVATOR INSTALLATION SHALL COMPLY WITH CBC CHAPTER 11B ELEVATOR PROVISIONS AS FOLLOWS:

***11B-407.1* GENERAL.** ELEVATORS SHALL COMPLY WITH *SECTION 11B-*407 AND WITH ASME A17.1. THEY SHALL BE PASSENGER ELEVATORS AS CLASSIFIED BY ASME A17.1. ELEVATOR OPERATION SHALL BE AUTOMATIC.

***11B-407.2.1* CALL CONTROLS.** WHERE ELEVATOR CALL BUTTONS OR KEYPADS ARE PROVIDED, THEY SHALL COMPLY WITH *SECTIONS 11B-*407.2.1 AND *11B-*309.4.

***11B-407.2.1.3* CLEAR FLOOR OR GROUND SPACE.** A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH *SECTION 11B-*305 SHALL BE PROVIDED AT CALL CONTROLS.

***11B-407.2.1.6* KEYPADS.** WHERE KEYPADS ARE PROVIDED, KEYPADS SHALL BE IN A STANDARD TELEPHONE KEYPAD ARRANGEMENT AND SHALL COMPLY WITH *SECTION 11B-*407.4.7.2.

***11B-407.3.1* TYPE.** ELEVATOR DOORS SHALL BE THE HORIZONTAL SLIDING TYPE. CAR GATES SHALL BE PROHIBITED.

***11B-407.3.2* OPERATION.** ELEVATOR HOISTWAY AND CAR DOORS SHALL OPEN AND CLOSE AUTOMATICALLY.

***11B-407.3.3* REOPENING DEVICE.** ELEVATOR DOORS SHALL BE PROVIDED WITH A REOPENING DEVICE COMPLYING WITH *SECTION 11B-*407.3.3 THAT SHALL STOP AND REOPEN A CAR DOOR AND HOISTWAY DOOR AUTOMATICALLY IF THE DOOR BECOMES OBSTRUCTED BY AN OBJECT OR PERSON.

***11B-407.3.3.1* HEIGHT.** THE DEVICE SHALL BE ACTIVATED BY SENSING AN OBSTRUCTION PASSING THROUGH THE OPENING AT 5 INCHES (*127* MM) NOMINAL AND 29 INCHES (*737* MM) NOMINAL ABOVE THE FINISH FLOOR.

***11B-407.3.3.2* CONTACT.** THE DEVICE SHALL NOT REQUIRE PHYSICAL CONTACT TO BE ACTIVATED, ALTHOUGH CONTACT IS PERMITTED TO OCCUR BEFORE THE DOOR REVERSES.

***11B-407.3.3.3* DURATION.** DOOR REOPENING DEVICES SHALL REMAIN EFFECTIVE FOR 20 SECONDS MINIMUM.

***11B-407.3.4* DOOR AND SIGNAL TIMING.** THE MINIMUM ACCEPTABLE TIME FROM NOTIFICATION THAT A CAR IS ANSWERING A CALL UNTIL THE DOORS OF THAT CAR START TO CLOSE SHALL BE CALCULATED FROM THE FOLLOWING EQUATIONS:

$T = D/(1.5\ FT/S)$ OR $T = D/(457\ MM/S) + 5$ SECONDS MINIMUM WHERE *T* EQUALS THE TOTAL TIME IN SECONDS AND *D* EQUALS THE DISTANCE (IN FEET OR MILLIMETERS) FROM THE POINT IN THE LOBBY OR CORRIDOR 60 INCHES (*1524* MM) DIRECTLY IN FRONT OF THE FARTHEST CALL BUTTON CONTROLLING THAT CAR TO THE CENTERLINE OF ITS HOISTWAY DOOR.

***11B-407.3.5* DOOR DELAY.** ELEVATOR DOORS SHALL REMAIN FULLY OPEN IN RESPONSE TO A CAR CALL FOR 5 SECONDS MINIMUM.

***11B-407.4.2* FLOOR SURFACES.** FLOOR SURFACES IN ELEVATOR CARS SHALL COMPLY WITH *SECTIONS 11B-*302 AND *11B-*303.

***11B-407.4.3* PLATFORM TO HOISTWAY CLEARANCE.** THE CLEARANCE BETWEEN THE CAR PLATFORM SILL AND THE EDGE OF ANY HOISTWAY LANDING SHALL BE 1 1/4 INCH (32 MM) MAXIMUM.

***11B-407.4.4* LEVELING.** EACH CAR SHALL BE EQUIPPED WITH A SELF-LEVELING FEATURE THAT WILL AUTOMATICALLY BRING AND MAINTAIN THE CAR AT FLOOR LANDINGS E=WITHIN A TOLERANCE OF 1/2 INCH (12.7 MM) UNDER RATED LOADING TO ZERO LOADING CONDITIONS.

***11B-407.4.5* ILLUMINATION.** THE LEVEL OF ILLUMINATION AT THE CAR CONTROLS, PLATFORM, CAR THRESHOLD AND CAR LANDING SILL SHALL BE 5 FOOT CANDLES (54 LUX) MINIMUM.

***11B-407.4.7* DESIGNATIONS AND INDICATORS OF CAR CONTROLS.** DESIGNATIONS AND INDICATORS OF CAR CONTROLS SHALL COMPLY WITH *SECTION 11B-*407.4.7.

EXCEPTION: IN EXISTING ELEVATORS, WHERE A NEW CAR OPERATING PANEL COMPLYING WITH *SECTION 11B-*407.4.7 IS PROVIDED, EXISTING CAR OPERATING PANELS *MAY REMAIN OPERATIONAL* AND SHALL NOT BE REQUIRED TO COMPLY WITH *SECTION 11B-*407.4.7.

***11B-407.4.7.1* KEYPADS.** KEYPADS SHALL BE IDENTIFIED BY CHARACTERS COMPLYING WITH *SECTION 11B-*703.5 AND SHALL BE CENTERED ON THE CORRESPONDING KEYPAD BUTTON. THE NUMBER FIVE KEY SHALL HAVE A SINGLE RAISED DOT. THE DOT SHALL BE 0.118 INCH (3 MM) TO 0.120 INCH (3.05 MM) BASE DIAMETER AND IN OTHER ASPECTS COMPLY WITH TABLE *11B-*703.3.1.

***11B-407.4.7.2* KEYPADS.** KEYPADS SHALL BE IDENTIFIED BY CHARACTERS COMPLYING WITH *SECTION 11B-*703.5 AND SHALL BE CENTERED ON THE CORRESPONDING KEYPAD BUTTON. THE NUMBER FIVE KEY SHALL HAVE A SINGLE RAISED DOT. THE DOT SHALL BE 0.118 INCH (3 MM) TO 0.120 INCH (3.05 MM) BASE DIAMETER AND IN OTHER ASPECTS COMPLY WITH TABLE *11B-*703.3.1.

***11B-407.4.8* CAR POSITION INDICATORS.** AUDIBLE AND VISIBLE CAR POSITION INDICATORS SHALL BE PROVIDED IN ELEVATOR CARS.

***11B-407.4.8.1* VISIBLE INDICATORS.** VISIBLE INDICATORS SHALL COMPLY WITH *SECTION 11B-*407.4.8.1.

***11B-407.4.8.1.1* SIZE.** CHARACTERS SHALL BE 1/2 INCH (12.7 MM) HIGH MINIMUM.

***11B-407.4.8.1.2* LOCATION.** INDICATORS SHALL BE LOCATED ABOVE THE DOOR.

***11B-4074.8.1.3* FLOOR ARRIVAL.** AS THE CAR PASSES A FLOOR AND WHEN A CAR STOPS AT A FLOOR SERVED BY THE ELEVATOR, THE CORRESPONDING CHARACTER SHALL ILLUMINATE.

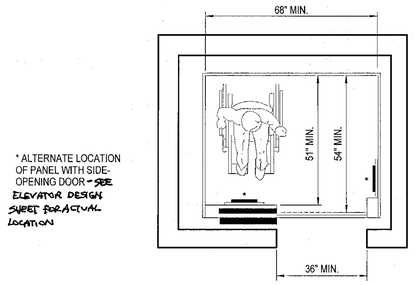
***11B-407.4.8.2* AUDIBLE INDICATORS.** AUDIBLE INDICATORS SHALL COMPLY WITH *SECTION 11B-*407.4.8.2.

11B-407.4.10 SUPPORT RAIL. *SUPPORT RAILS SHALL BE PROVIDED ON AT LEAST ONE WALL OF THE CAR.*

11B-407.4.10.1 LOCATION. *CLEARANCE BETWEEN SUPPORT RAILS AND ADJACENT SURFACES SHALL BE 1 1/2 INCHES (38 MM) MINIMUM. TOP OF SUPPORT RAILS SHALL BE 31 INCHES (787 MM) MINIMUM TO 33 INCHES (838 MM) MAXIMUM ABOVE THE FLOOR OF THE CAR. THE ENDS OF THE SUPPORT RAIL SHALL BE 6 INCHES (152 MM) MAXIMUM FROM ADJACENT WALLS.*

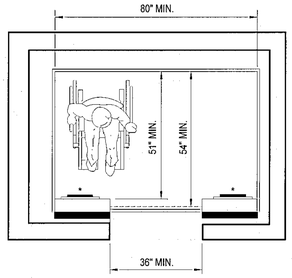
11B-407.4.10.2 SURFACES. *SUPPORT RAILS SHALL BE SMOOTH AND ANY SURFACE ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS.*

11B-407.4.10.3 STRUCTURAL STRENGTH. *ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112 N) IS APPLIED AT ANY POINT ON THE SUPPORT RAIL, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE.*



(a) SIDE OPENING DOOR

* ALTERNATE LOCATION OF PANEL WITH SIDE-OPENING DOOR - SEE ELEVATOR DESIGN SHEET FOR ACTUAL LOCATION

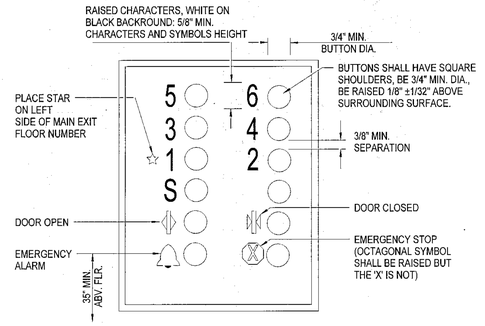


(b) CENTER OPENING DOOR
90 MIN. RATED BY ELEV. MANUFACTURER

* ALTERNATE LOCATION OF PANEL WITH CENTER-OPENING DOOR - SEE ELEVATOR DESIGN SHEET FOR ACTUAL LOCATION

THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

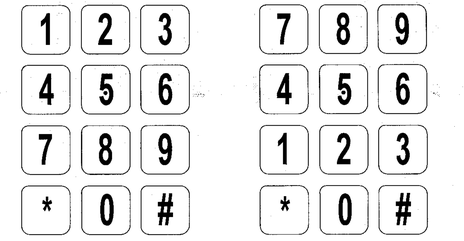
8 MINIMUM DIMENSIONS OF ELEVATOR CARS
1/2" = 1'-0"



(a) ELEVATOR CONTROL PANEL DETAIL

THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

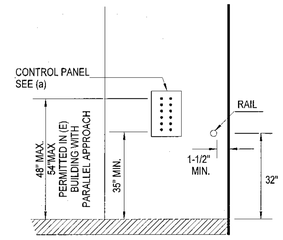
5 ELEVATOR CONTROL PANEL
1/2" = 1'-0"

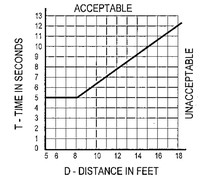


(a) 12-KEY ASCENDING

(b) 12-KEY DESCENDING

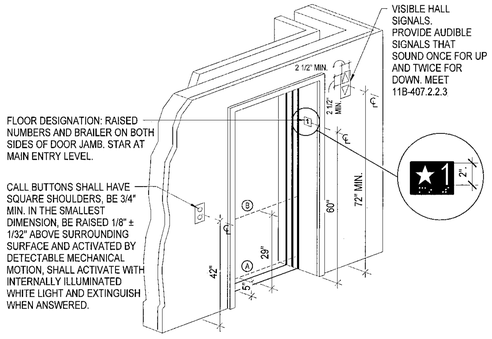
1 NUMERIC KEY LAYOUT
1/2" = 1'-0"





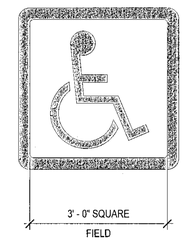
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2 GRAPH OF TIMING EQUATION
1/2" = 1'-0"



NOTE:
THE AUTOMATIC DOOR REOPENING DEVICE IS ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE A OR LINE B. LINE A AND LINE B REPRESENT THE VERTICAL LOCATING OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT.

6 HOISTWAY & ELEVATOR ENTRANCES
1/2" = 1'-0"



NEW PAINTED FIELD:
BLUE TRAFFIC PAINT
3'-0" SQUARE WITH
3" RADIUS CORNERS

NEW PAINTED SYMBOL:
WHITE TRAFFIC PAINT 3" MIN. WIDE STRIPING

3 INTERNATIONAL SYMBOL OF ACCESS
3/4" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JORGE AMADOR C-20348 JANUARY 31, 2019 STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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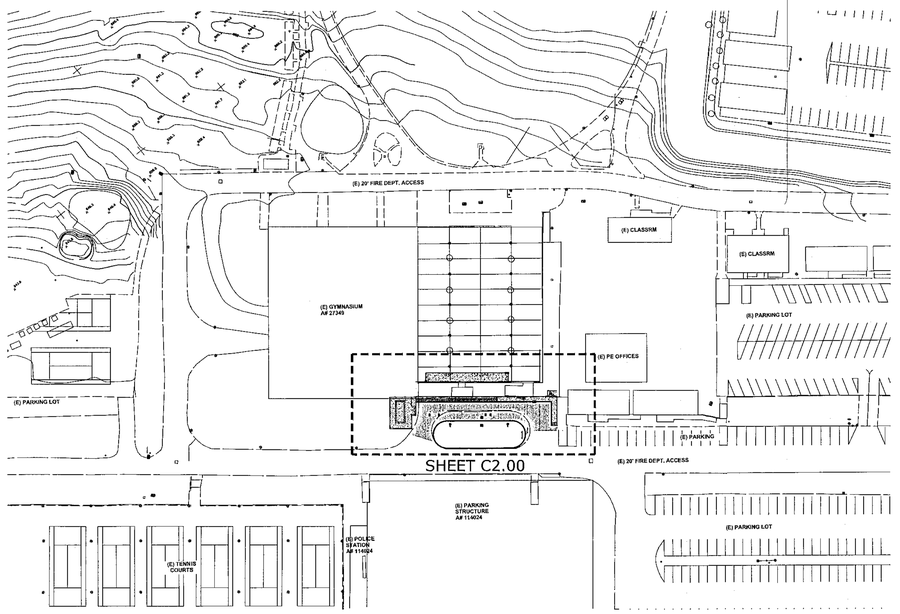
REVISIONS	DATE: 03/26/18
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ELEVATOR DETAILS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

G0.09
___ OF ___

MOORPARK COLLEGE
GYMNASIUM RENOVATION
CIVIL IMPROVEMENT PLANS



SHEET INDEX

C1.00	TITLE SHEET
C2.00	DEMOLITION PLAN
C3.00	GRADING, PAVING & DRAINAGE PLAN
C4.00	UTILITY PLAN
C5.00	SECTIONS & DETAILS PLAN

N:\projects\0075\03 Gymnasium\engineering\acad\improvements\0075-03-GYM_COVER.dwg

Know what's **below.** **Call** before you dig.

DIAL TOLL FREE 811 AT LEAST TWO DAYS BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
* FOR WATER, CALL 811
FOR ALL OTHER UTILITIES, CONTACT CAMPUS FACILITIES AT (805)378-1454

N W E S

SCALE: 1"=60'
0 60 120 180

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER G.E.M.H. PAGE NO 61468 CIVIL STATE OF CALIFORNIA

ECG Encompass Consultant Group
313 N. LANTANA ST., SUITE 201, CAMARILLO, CA 93010
PHONE: 805.322.4442 WEBSITE: WWW.ECGCIVIL.COM

DIVISION OF THE STATE ARCHITECT

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM YORK AMADOR C-20185 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

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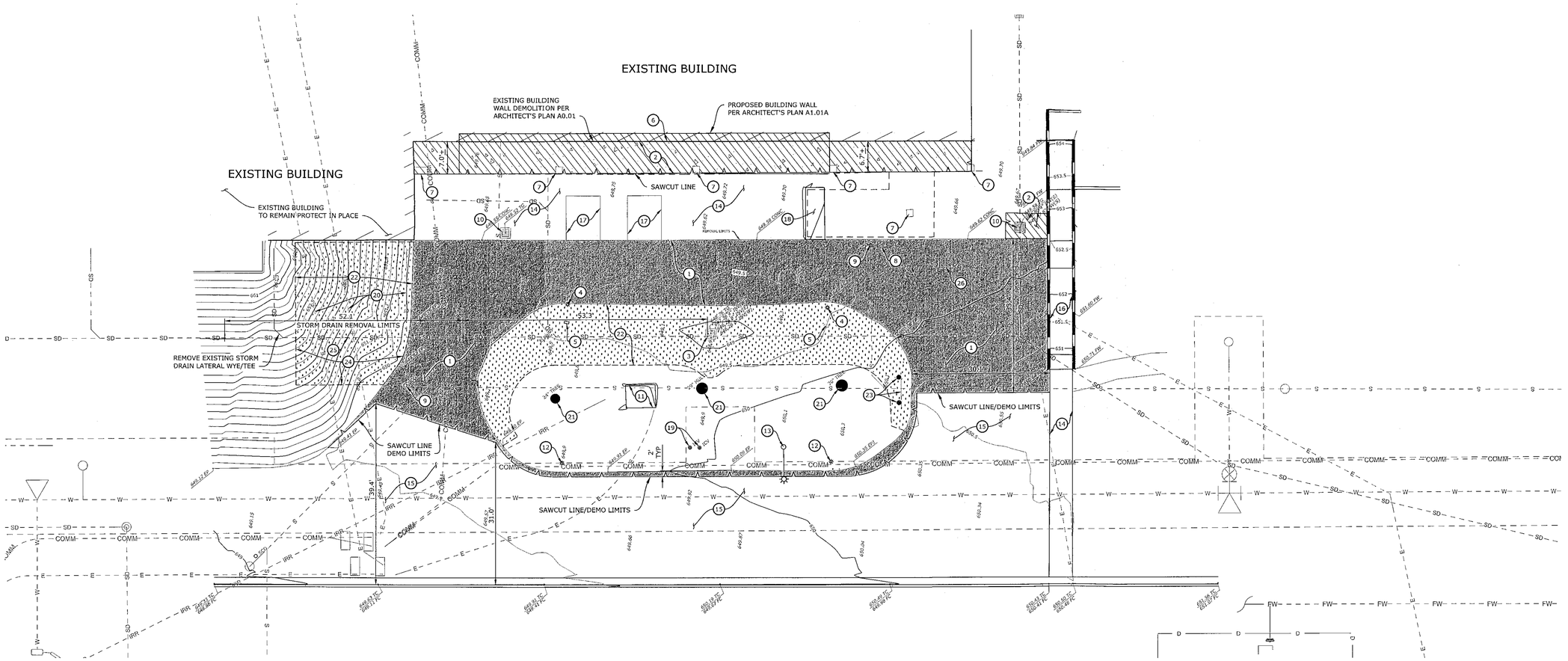
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TITLE SHEET

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

C1.00



GENERAL NOTES

1. ALL EXISTING UTILITIES TO BE PROTECTED IN PLACE UNLESS OTHERWISE SHOWN.
2. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL/COMMUNICATION CONDUIT DEMOLITION AND/OR RELOCATION.
3. DEMOLITION SHALL BE CONDUCTED TO LIMITS SHOWN & AS REQUIRED FOR NEW WORK.
4. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT AND SUPPORT THE UTILITIES OR SUBSTRUCTURES FOUND AT THE SITE WHETHER OR NOT SHOWN ON THE PLANS OR EXPOSED BY CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK (72-HOURS NOTICE REQUIRED). PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) TOLL FREE AT 1-800-227-2600. CONTRACTOR SHALL PROTECT ALL EXISTING PROPERTIES FROM DAMAGE IN ACCORDANCE WITH THE SPECIFICATIONS AND SUBSECTION 7-9 OF THE SSPWC. CONTRACTOR SHALL RESTORE ALL EXISTING SURFACE AND SUBSURFACE FACILITIES DISTURBED BY CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, TREES, LANDSCAPING, IRRIGATION, ASPHALT CONCRETE ROAD PAVING, CURB AND GUTTER, CROSS GUTTER, SIDEWALK, AND UTILITIES. POTHOLE EXISTING UTILITIES PRIOR TO CONSTRUCTION AND ADVISE OWNER OF CONFLICTS. CONTACT PURVEYORS OF UTILITY SYSTEMS SUCH AS ELECTRIC, TELEPHONE, CABLE TV, GAS OR OTHERS TO RELOCATE FACILITIES TO ALLOW FOR THE CONSTRUCTION SHOWN ON THESE PLANS. EXCEPT AS OTHERWISE SHOWN THE DEPTHS OF UTILITIES ARE NOT KNOWN.

CAUTION: UNDERGROUND STRUCTURES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR THOSE SHOWN ON RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, UNDERSTANDS THAT THEY AGREE TO ASSUME LIABILITY, AND AGREE TO HOLD THE UNDERSIGNED HARMLESS FOR ANY LIABILITY FOR DAMAGE RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING TO WORK.

Know what's below. Call before you dig.

DIAL TOLL FREE 811 AT LEAST TWO DAYS BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

DEMOLITION NOTES

1. EXISTING ASPHALT PAVEMENT TO BE REMOVED TO LIMITS SHOWN PER HATCH LEGEND & DIMENSIONS HEREON.
2. EXISTING CONCRETE PAVEMENT TO BE REMOVED TO LIMITS SHOWN PER HATCH LEGEND & DIMENSIONS HEREON.
3. EXISTING CATCH BASIN TO BE REMOVED AND REPLACED PER NOTE 5, SHEET C3.00.
4. EXISTING LIGHT STANDARD TO BE REMOVED & RELOCATED PER ELECTRICAL PLANS.
5. EXISTING ELECTRICAL PULL BOX TO BE REMOVED AND RELOCATED PER ELECTRICAL PLANS.
6. EXISTING BUILDING WALL TO BE DEMOLISHED AS SHOWN ON SHEET A0.01.
7. EXISTING SUPPORT COLUMN TO REMAIN - PROTECT IN PLACE.
8. EXISTING ELECTRICAL VAULT TO REMAIN - ADJUST TO GRADE AS NECESSARY.
9. EXISTING SEWER CLEANOUT TO REMAIN - ADJUST TO GRADE AS NECESSARY.
10. EXISTING CATCH BASIN TO REMAIN. EXISTING GRATE TO BE REMOVED AND REPLACED PER NOTE "9" ON SHEET C3.00.
11. EXISTING ELECTRICAL TRANSFORMER TO REMAIN - PROTECT IN PLACE.
12. EXISTING LIGHT STANDARD TO REMAIN - PROTECT IN PLACE.
13. EXISTING STREET LIGHT TO REMAIN - PROTECT IN PLACE.
14. EXISTING CONCRETE PAVEMENT TO REMAIN - PROTECT IN PLACE.
15. EXISTING ASPHALT PAVEMENT TO REMAIN - PROTECT IN PLACE.
16. EXISTING CONCRETE RAMP TO REMAIN - PROTECT IN PLACE.
17. EXISTING STRUCTURE TO REMAIN - PROTECT IN PLACE.
18. EXISTING STAIRS TO REMAIN - PROTECT IN PLACE.
19. EXISTING IRRIGATION CONTROL VALVES TO REMAIN - PROTECT IN PLACE.
20. EXISTING UTILITIES LOCATION TO BE VERIFIED AND RELOCATED/ADJUSTED AS NECESSARY.
21. EXISTING TREES TO REMAIN - PROTECT IN PLACE. TRIM AS NECESSARY TO PROVIDE 13.5' MINIMUM VEHICLE VERTICAL CLEARANCE.
22. EXISTING LANDSCAPING TO BE REMOVED - MODIFY IRRIGATION PER LANDSCAPE PLANS.
23. EXISTING MARQUEE SIGN TO BE DEMOLISHED.
24. EXISTING EARTH BERM TO BE REMOVED PER STRUCTURAL PLANS S1.01, 2.03 AND A9.01. PROPOSED FINISHED SURFACE ELEVATIONS PER SHEET C3.00.
25. EXISTING STORM DRAIN LINE TO BE REMOVED.
26. EXISTING ELECTRICAL VAULT TO BE RELOCATED - SEE SHEET C3.00.

LEGEND

- EXISTING ASPHALT TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING LANDSCAPE TO BE REMOVED
- SAWCUT LINE

N W E S

SCALE: 1"=10'

0 10 20 30

CONSULTANT

GLEN H. PACE NO. 61468 CIVIL STATE OF CALIFORNIA

ECG Encompass Consultant Group
333 N. LANTANA ST, SUITE 287, CAMARILLO, CA 93010
PHONE: 805.332.4143 WEBSITE: WWW.ECGCIVIL.COM

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
FILE NO. 56 - C1
APPL. NO. 03 - 118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN WHITTLE C-30368 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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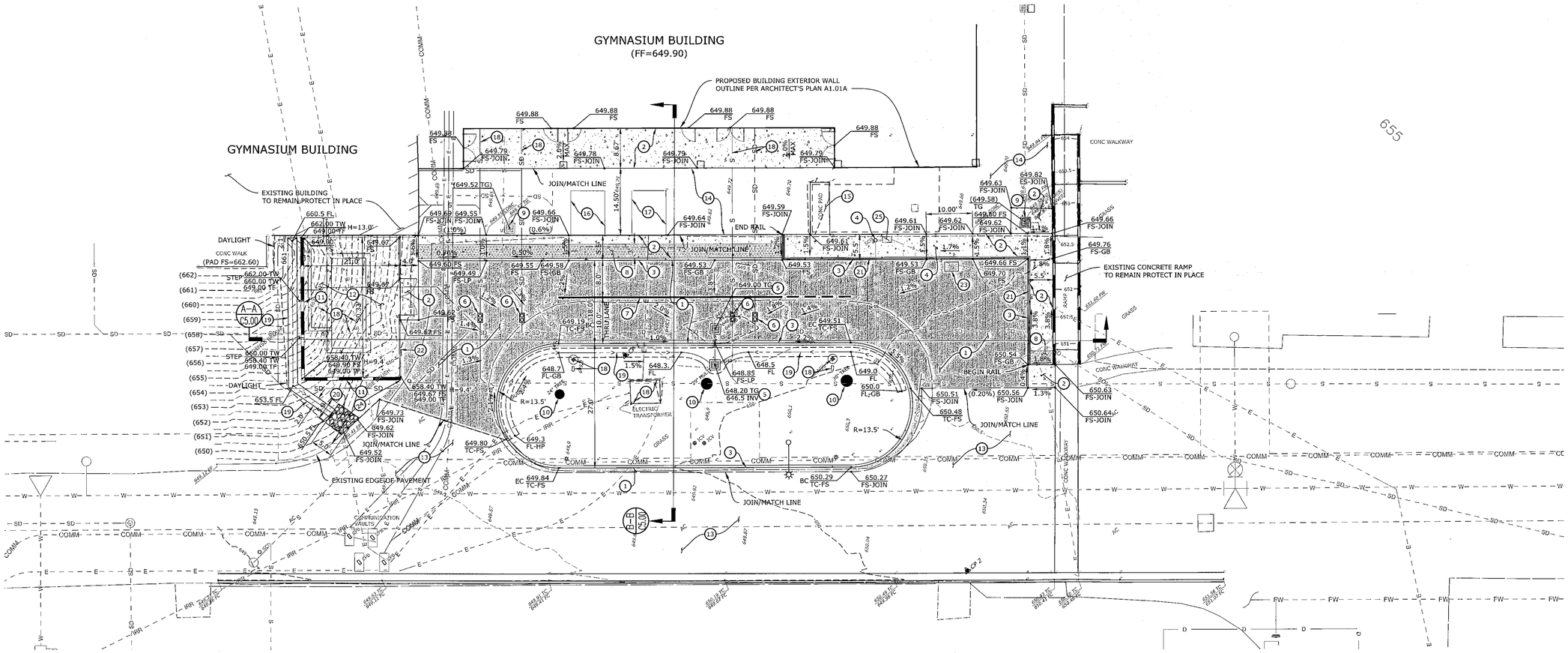
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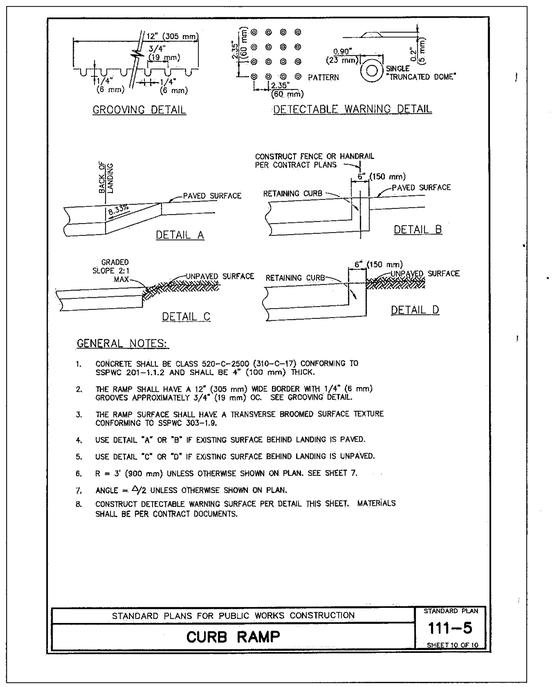
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	JOB NO: 16-MPC-023

DEMOLITION PLAN

C2.00

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY.





GENERAL NOTES:

1. CONCRETE SHALL BE CLASS 520-C-2500 (310-C-17) CONFORMING TO SSPWC 201-1.1.2 AND SHALL BE 4" (100 mm) THICK.
2. THE RAMP SHALL HAVE A 12" (305 mm) WIDE BORDER WITH 1/4" (6 mm) GROOVES APPROXIMATELY 3/4" (19 mm) OC. SEE GROOVING DETAIL.
3. THE RAMP SURFACE SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE CONFORMING TO SSPWC 303-1.9.
4. USE DETAIL "A" OR "B" IF EXISTING SURFACE BEHIND LANDING IS PAVED.
5. USE DETAIL "C" OR "D" IF EXISTING SURFACE BEHIND LANDING IS UNPAVED.
6. R = 3' (900 mm) UNLESS OTHERWISE SHOWN ON PLAN. SEE SHEET 7.
7. ANGLE = Δ/2 UNLESS OTHERWISE SHOWN ON PLAN.
8. CONSTRUCT DETECTABLE WARNING SURFACE PER DETAIL THIS SHEET. MATERIALS SHALL BE PER CONTRACT DOCUMENTS.

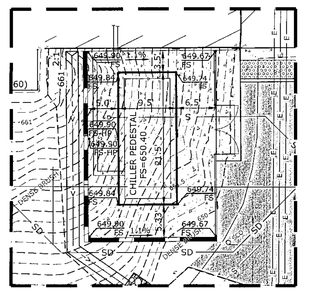
STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN
CURB RAMP	111-5
	SHEET 10 OF 10

CONSTRUCTION NOTES

1. CONSTRUCT NEW ASPHALT CONCRETE PAVEMENT SECTION CONSISTING OF 3" ASPHALT CONCRETE OVER 9" AGGREGATE BASE COMPACTED TO 95% (MIN) OF MAXIMUM DRY DENSITY. SUBGRADE (12") BELOW THE PROPOSED PAVEMENT SECTION SHALL BE COMPACTED TO 92% (MIN) OF THE MAXIMUM DRY DENSITY. PLACE MIRAFI 600X ON THE COMPACTED SUBGRADE SURFACE PRIOR TO PLACEMENT OF AGGREGATE BASE COURSE.
2. CONSTRUCT 4" THICK CONCRETE WALKWAY PER DETAIL "A", SHEET C5.00. REFER TO ARCHITECTURAL PLANS FOR COLOR AND FINISH.
3. CONSTRUCT 0" CURB PER DETAIL "B" ON SHEET C-5.00.
4. CONSTRUCT 10' CONCRETE SIDEWALK WARP PER SLOPES & ELEVATIONS AS NOTED ON PLAN.
5. INSTALL 18" SQUARE CONCRETE CATCH BASIN WITH TRAFFIC RATED GRATE PER BROOKS PRODUCTS OR APPROVED EQUAL (SEE CATCH BASIN DETAIL ON SHEET C4.00).
6. INSTALL CLEANOUT WITH TRAFFIC RATED COVER PER PLUMBING PLAN SHEET P3.00 - DETAIL 2.
7. PROVIDE 3" WHITE DELINEATION STRIPING AS NOTED ON PLAN.
8. CONSTRUCT DETECTABLE WARNING SURFACE (TRUNCATED DOMES), 3' (MIN) WIDTH IN DIRECTION OF TRAVEL, PER 2016 CALIFORNIA BUILDING CODE (CBC), CHAPTER 11B, SECTION 705 AND SPPWC PLAN 111-5, NOTE 8 DETAIL HEREON.
9. INSTALL 18" SQUARE ADA COMPLIANT, HEEL PROOF PEDESTRIAN-RATED GRATE MODEL 1818 PER BROOKS PRODUCTS OR APPROVED EQUAL.
10. EXISTING TREES TO BE TRIMMED TO PROVIDE MINIMUM 13'-6" VERTICAL VEHICLE CLEARANCE.
11. PROPOSED RETAINING WALL PER STRUCTURAL PLAN S2.03, DETAILS 44A & 44B AND PLAN A9.01.
12. PROPOSED CONCRETE UTILITY SLAB WITH CONCRETE CHILLER PEDESTAL PAD PER STRUCTURAL PLANS S0.11 & S2.03, DETAILS "24" & "30", RESPECTIVELY. SEE "CHILLER ENCLOSURE GRADING" DETAIL HEREON FOR PRECISE GRADING.
13. EXISTING ASPHALT PAVEMENT TO REMAIN - PROTECT IN PLACE.
14. EXISTING CONCRETE WALKWAY TO REMAIN - PROTECT IN PLACE.
15. EXISTING CONCRETE PAD AND STAIRWAY TO REMAIN - PROTECT IN PLACE.
16. EXISTING ELEVATOR TO REMAIN - PROTECT IN PLACE.
17. EXISTING ELECTRICAL ROOM TO REMAIN - PROTECT IN PLACE.
18. FOR UTILITIES SEE UTILITY PLAN SHEET C4.00.
19. CONSTRUCT 24" WIDE CONCRETE V-DITCH PER DETAIL "D" ON SHEET C5.00 - FLOW LINES PER THIS PLAN.
20. CONSTRUCT 12" THICK UNGROUTED ROCK RIP-RAP (6" DIAMETER MINIMUM).
21. CONSTRUCT GALVANIZED STEEL RAILING PER ARCHITECT'S PLAN A1.00, KEYNOTE 5.14.
22. CONSTRUCT GALVANIZED STEEL MESH ENCLOSURE AND GATE PER ARCHITECT'S PLAN A9.01, DETAIL "1" AND KEYNOTE 5.19.
23. RE-LOCATED EXISTING ELECTRICAL VAULT'S NEW LOCATION.
24. INSTALL REDWOOD HEADER PER DETAIL "C" ON SHEET C-5.00.
25. EXISTING ELECTRICAL VAULT TO REMAIN - PROTECT IN PLACE.

LEGEND

- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED RETAINING WALL



CHILLER ENCLOSURE GRADING DETAIL

SCALE: 1"=10'



SCALE: 1"=10'

0 10 20 30

CAUTION: UNDERGROUND STRUCTURES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR THOSE SHOWN ON RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, UNDERSTANDS THAT THEY AGREE TO ASSUME LIABILITY, AND AGREE TO HOLD THE UNDERSIGNED HARMLESS FOR ANY LIABILITY FOR DAMAGE RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING TO WORK.

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AMADOR WHITTLE ARCHITECTS, INC.

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

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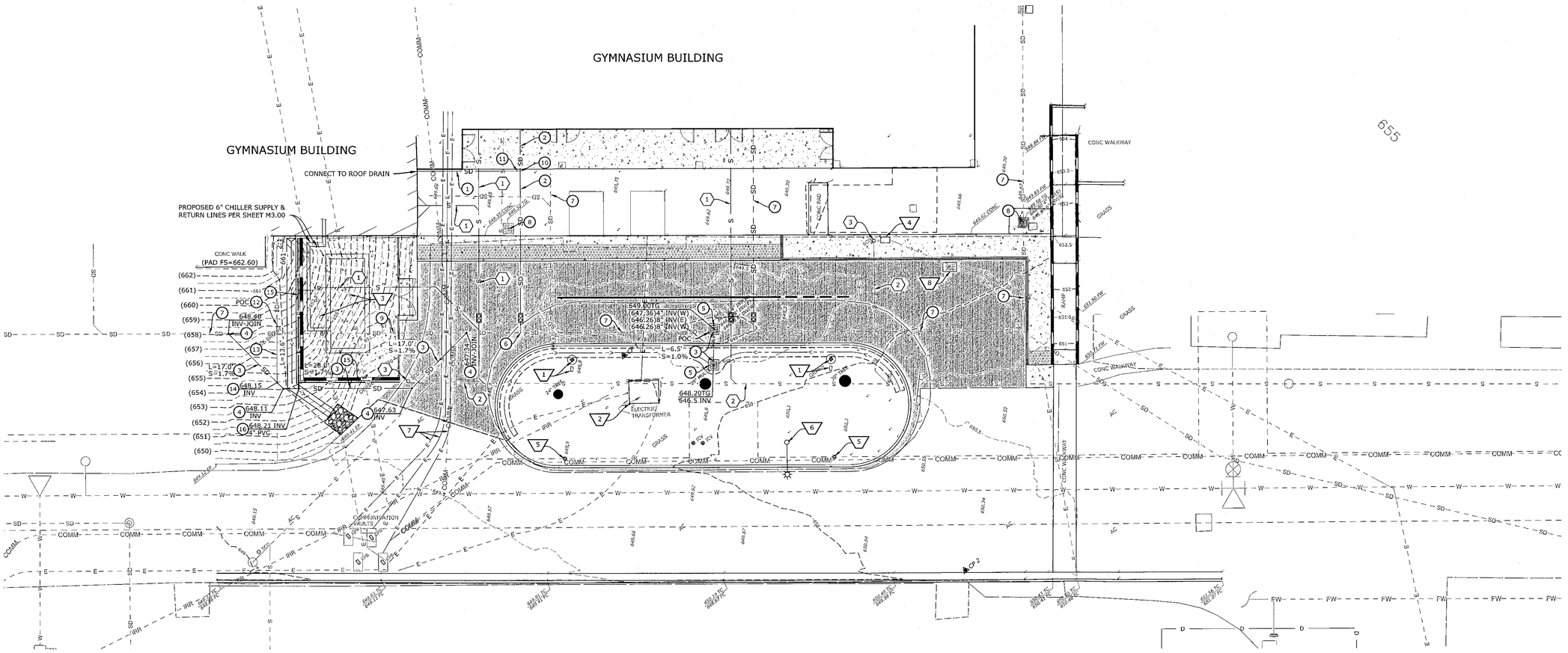
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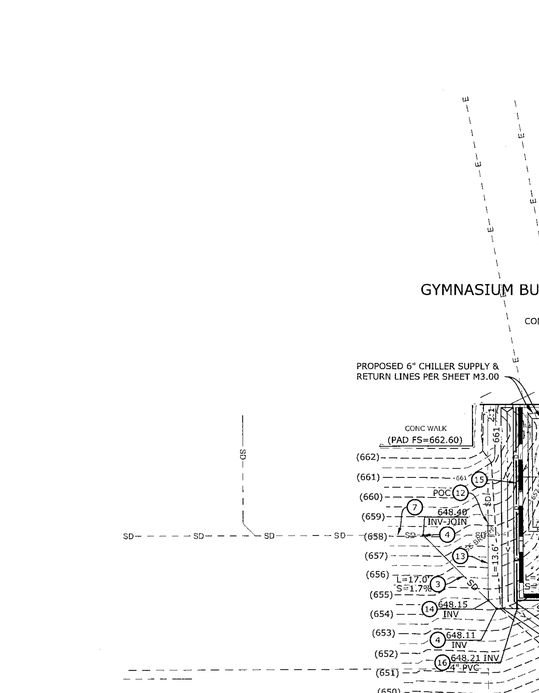
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GRADING, PAVING & DRAINAGE PLAN — **C3.00**

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY





CATCH BASIN DETAIL

NTS

CONSTRUCTION NOTES

STORM DRAIN

1. CONSTRUCT 3" PVC STORM DRAIN LINE - CONNECT TO DOWNDRAIN. TRENCH SECTION PER DETAIL "E" ON SHEET C.500.
2. CONSTRUCT 6" PVC STORM DRAIN LINE. TRENCH SECTION PER DETAIL "E" ON SHEET C.500.
3. CONSTRUCT 8" PVC STORM DRAIN LINE. SLOPE AND LENGTH PER PLAN. TRENCH SECTION PER DETAIL "E" ON SHEET C.500.
4. INSTALL 8" - 45° PVC ELBOW PER MANUFACTURER'S RECOMMENDATIONS.
5. INSTALL 18" SQUARE CONCRETE CATCH BASIN WITH TRAFFIC RATED GRATE PER BROOKS PRODUCTS INC. OR APPROVED EQUAL. SEE CATCH BASIN DETAIL HEREON. INVERTS PER PLAN.
6. CONNECT TO EXISTING STORM DRAIN LINE WITH SADDLE TEE CONNECTION. CONTRACTOR TO VERIFY INVERT ELEVATIONS.
7. EXISTING 8" STORM DRAIN TO REMAIN - PROTECT IN PLACE. CONTRACTOR TO VERIFY EXISTING STORM DRAIN LOCATION & ELEVATION. CONTRACTOR TO NOTIFY ENGINEER OF ANY CONFLICTS.
8. EXISTING 18" SQUARE GRATED INLET TO REMAIN - PROTECT IN PLACE. REPLACE EXISTING GRATE WITH HEEL PROOF PEDESTRIAN RATED GRATE PER NOTE "9" ON SHEET C3.00.
9. CONTRACTOR TO VERIFY EXISTING STORM DRAIN LOCATION & ELEVATION AND RELOCATE PER THIS PLAN TO AVOID CONFLICTS WITH PROPOSED CHILLER PAD (PER STRUCTURAL PLANS S0.11 & S2.03, DETAILS "24" & "30", RESPECTIVELY), RETAINING WALL (PER STRUCTURAL PLAN S2.03, DETAILS 44A & 44B) AND CHILLER PIPING (PER MECHANICAL PLAN M3.00).
10. CONSTRUCT 6"x6"x6" PVC TEE.
11. CONSTRUCT 6" x 3" PVC REDUCER.
12. CONNECT TO EXISTING STORM DRAIN LATERAL (CONTRACTOR TO VERIFY SIZE AND INVERT).
13. CONSTRUCT PVC STORM DRAIN LATERAL. MATCH EXISTING LATERAL DIAMETER. TRENCH SECTION PER DETAIL "E" ON SHEET C.500.
14. INSTALL PVC STORM DRAIN WYE CONNECTION.
15. PROPOSED BACK OF WALL FRENCH DRAIN PER ARCHITECT'S PLAN A5.05, DETAIL "6" & STRUCTURAL PLAN S2.03, DETAIL "44".
16. CONNECT 4" BACK OF WALL FRENCH DRAIN TO 8" STORM DRAIN. INVERT AS NOTED ON PLAN.

SEWER

1. SEWER IMPROVEMENTS PER PLUMBING PLAN SHEET P3.00. TRENCH DETAIL "E", SHEET C5.00.
2. EXISTING SEWER LINE TO REMAIN - PROTECT IN PLACE. CONTRACTOR TO FIELD VERIFY EXACT LOCATION.
3. EXISTING SEWER CLEANOUT TO REMAIN - PROTECT IN PLACE.

DRY UTILITIES

1. EXISTING LIGHT STANDARD & PULLBOX TO BE RELOCATED PER ELECTRICAL PLANS.
2. EXISTING ELEVATOR TRANSFORMER TO REMAIN PROTECT IN PLACE.
3. CONTRACTOR TO VERIFY EXISTING ELECTRICAL CONDUIT LOCATION AND RELOCATE AS NEEDED PER ELECTRICAL PLANS TO AVOID CONFLICT WITH PROPOSED CHILLER PAD (PER STRUCTURAL PLANS S0.11 & S2.03, DETAILS "24" & "30", RESPECTIVELY) AND RETAINING WALL (PER STRUCTURAL PLAN S2.03, DETAILS 44A & 44B.
4. EXISTING ELECTRICAL VAULT TO REMAIN - PROTECT IN PLACE.
5. EXISTING LIGHT STANDARD AND PULLBOX TO REMAIN - PROTECT IN PLACE.
6. EXISTING STREET LIGHT TO REMAIN - PROTECT IN PLACE.
7. PROPOSED ELECTRICAL CONDUITS PER ELECTRICAL PLANS.
8. RE-LOCATED EXISTING ELECTRICAL VAULT'S NEW LOCATION.

GENERAL NOTES

1. ALL EXISTING UTILITIES TO BE PROTECTED IN PLACE UNLESS OTHERWISE SHOWN.
2. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL/COMMUNICATION CONDUIT DEMOLITION AND/OR RELOCATION.
3. DEMOLITION SHALL BE CONDUCTED TO LIMITS SHOWN & AS REQUIRED FOR NEW WORK.
4. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT AND SUPPORT THE UTILITIES OR SUBSTRUCTURES FOUND AT THE SITE WHETHER OR NOT SHOWN ON THE PLANS OR EXPOSED BY CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK (72-HOURS NOTICE REQUIRED). PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) TOLL FREE AT 1-800-227-2600. CONTRACTOR SHALL PROTECT ALL EXISTING PROPERTIES FROM DAMAGE IN ACCORDANCE WITH THE SPECIFICATIONS AND SUBSECTION 7-9 OF THE SSPWC. CONTRACTOR SHALL RESTORE ALL EXISTING SURFACE AND SUBSURFACE FACILITIES DISTURBED BY CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, TREES, LANDSCAPING, IRRIGATION, ASPHALT CONCRETE ROAD PAVING, CURB AND GUTTER, CROSS GUTTER, SIDEWALK, AND UTILITIES. POTHOLE EXISTING UTILITIES PRIOR TO CONSTRUCTION AND ADVISE OWNER OF CONFLICTS. CONTACT PURVEYORS OF UTILITY SYSTEMS SUCH AS ELECTRIC, TELEPHONE, CABLE TV, GAS OR OTHERS TO RELOCATE FACILITIES TO ALLOW FOR THE CONSTRUCTION SHOWN ON THESE PLANS. EXCEPT AS OTHERWISE SHOWN THE DEPTHS OF UTILITIES ARE NOT KNOWN.

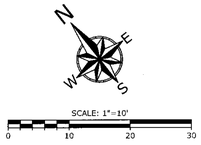
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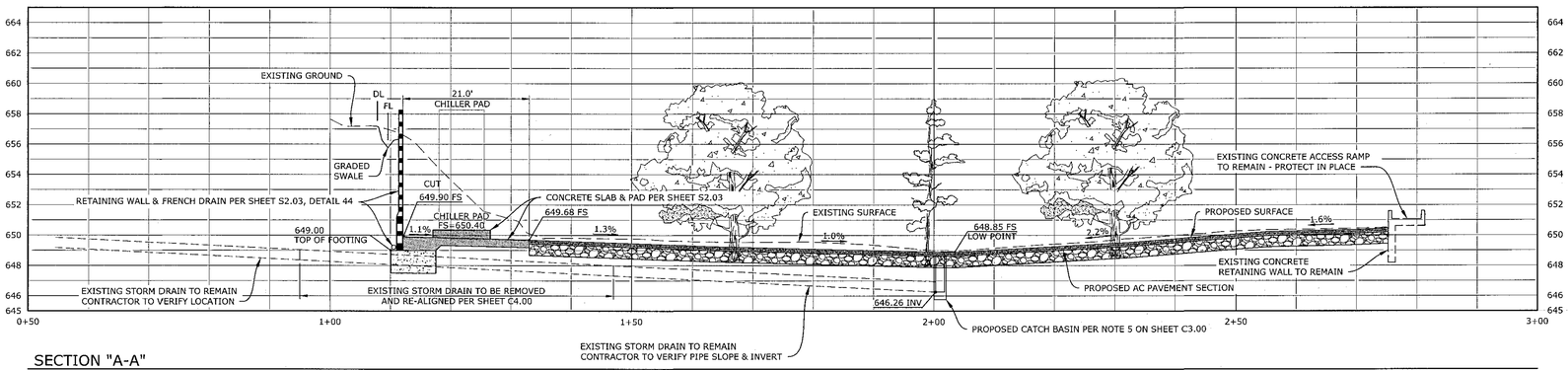
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UTILITY PLAN

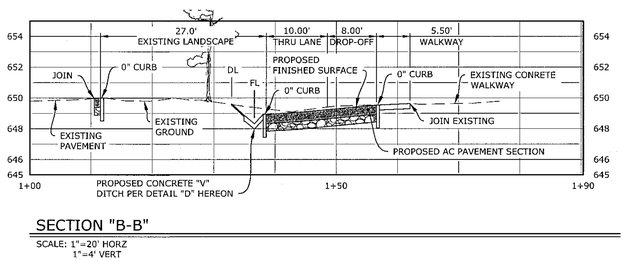
C4.00

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SECTION "A-A"

SCALE: 1"=20' HORZ
1"=4' VERT



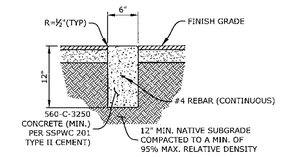
SECTION "B-B"

SCALE: 1"=20' HORZ
1"=4' VERT

CONCRETE WALKWAY DETAIL

NOT TO SCALE

NOTE:
1. REFER TO SSPWC SECTION 303 FOR CONCRETE CONSTRUCTION METHOD.
2. SUBGRADE PREPARATIONS PER THE RECOMMENDATIONS OF GEOTECHNICAL REPORT.

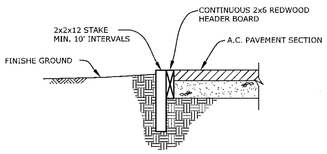


NOTE: 1" DEEP CRACK CONTROL JOINTS TO BE LOCATED WITH A MAXIMUM OF 10' SPACING. TOP OF CURB SHALL HAVE A SMOOTH TROWEL FINISH.

0" CONCRETE CURB

N.T.S.

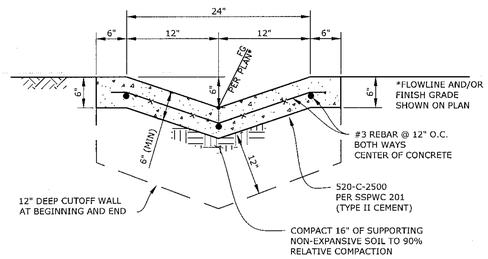
B



REDWOOD HEADER DETAIL

N.T.S.

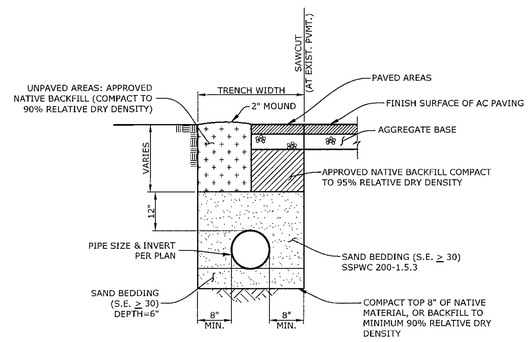
C



2'(W) x 6"(D) CONCRETE "V" DITCH DETAIL

N.T.S.

D



NOTE:
CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POTHOLING PRIOR TO CONSTRUCTION AND MAKE NECESSARY ADJUSTMENTS TO THE UTILITY CONSTRUCTION

TYPICAL TRENCH SECTION

SCALE: N.T.S.

E

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM AMADOR No. C-30349 RENEWAL 08/31/2019 STATE OF CALIFORNIA

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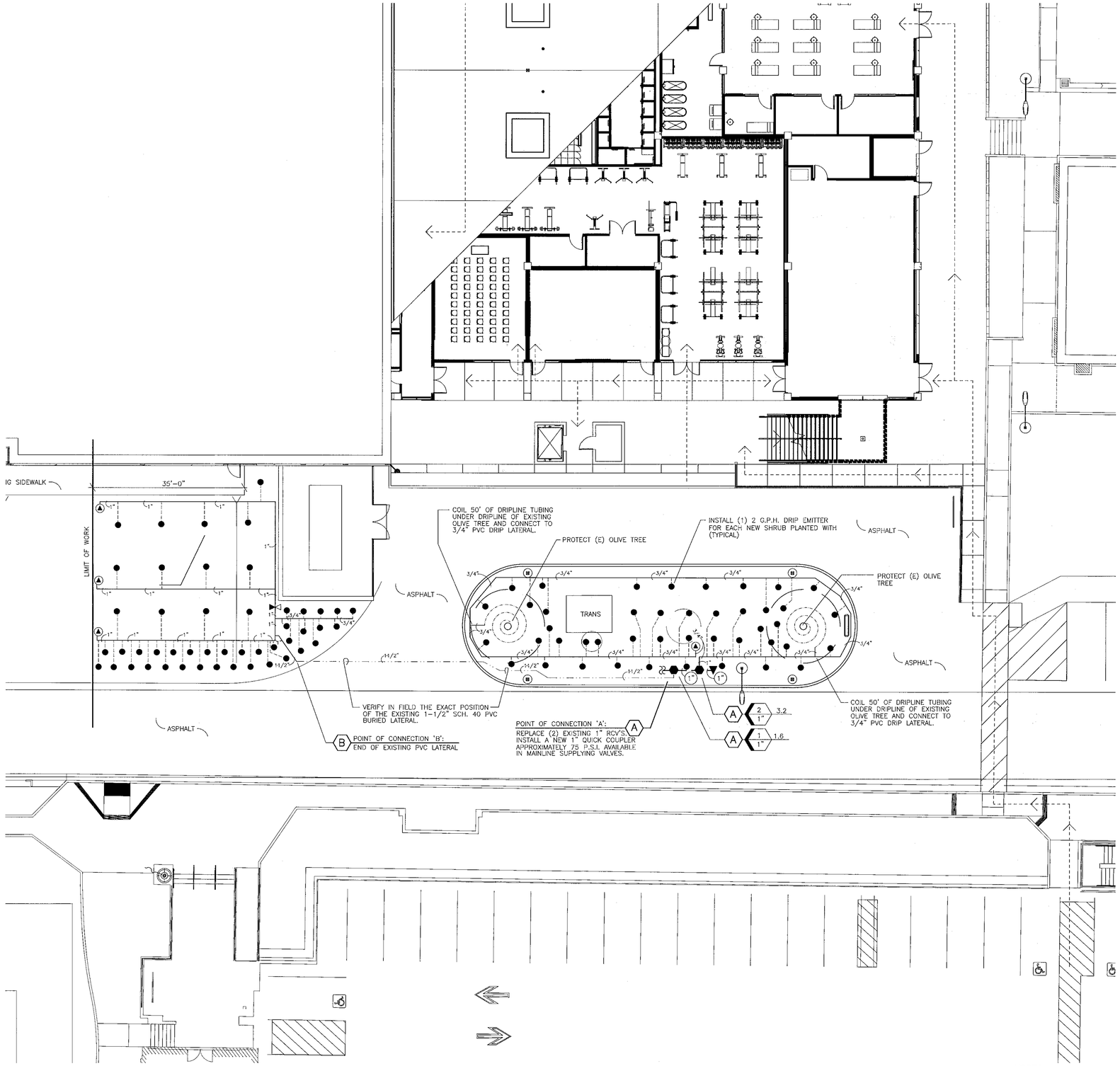
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SECTIONS & DETAIL PLAN

C5.00

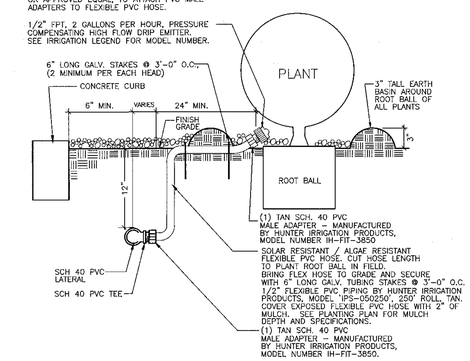
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1 IRRIGATION PLAN

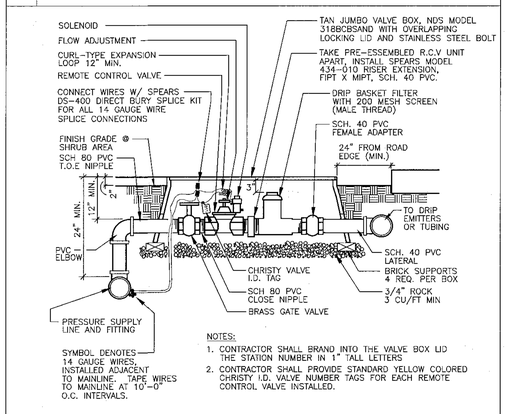
SCALE 1"=10'-0"

NOTE:
USE WELD-ON PRIMER MODEL 'P-70' AND WELD-ON SOLVENT WELD GLUE MODEL '795 CLEAR', OR APPROVED EQUAL TO ATTACH PVC MALE ADAPTERS TO FLEXIBLE PVC HOSE.



SCALE = N.T.S.

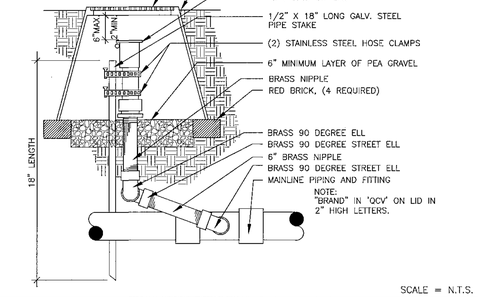
4. DRIP EMITTER WITH ON GRADE PVC FLEX HOSE



NOTES:
1. CONTRACTOR SHALL BRAND INTO THE VALVE BOX LID THE STATION NUMBER IN 1" TALL LETTERS.
2. CONTRACTOR SHALL PROVIDE STANDARD YELLOW COLORED CHRISTY I.D. VALVE NUMBER TAGS FOR EACH REMOTE CONTROL VALVE INSTALLED.

SCALE = N.T.S.

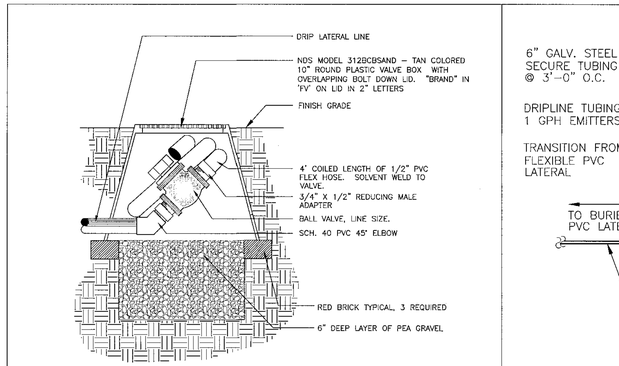
5. DRIP REMOTE CONTROL VALVE ASSEMBLY



SCALE = N.T.S.

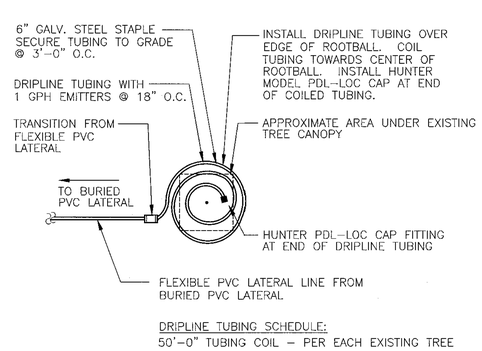
6. QUICK COUPLER IN VALVE BOX

NOTE:
SEE IRRIGATION PLAN, SHEET L1.2, FOR IRRIGATION LEGEND, IRRIGATION KEY NOTES, AND IRRIGATION PROJECT NOTES.



SCALE = N.T.S.

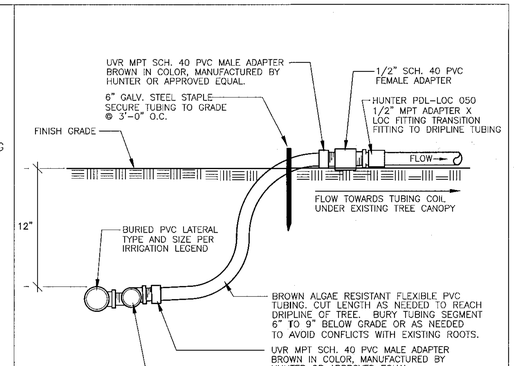
4. DRIP SYSTEM FLUSH VALVE



DRIPLINE TUBING SCHEDULE:
50'-0" TUBING COIL – PER EACH EXISTING TREE

SCALE = N.T.S.

2. DRIPLINE TUBING SCHEMATIC AROUND EXISTING TREE



SCALE = N.T.S.

3. PVC LATERAL TRANSITION TO DRIPLINE TUBING ON GRADE

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REGISTERED LANDSCAPE ARCHITECT — ROLLY F. JORDAN — 2498 — RENEWAL DATE 3-26-18 — STATE OF CALIFORNIA

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APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
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LICENSED ARCHITECT — JULIE A. WHITTLE — C-26348 — JANUARY 31, 2019 — RENEWAL DATE — STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

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IRRIGATION PLAN

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

L1.1 ___ OF ___

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL / REMARKS
	EXISTING MAINLINE	UNKNOWN	SCH. 40 PVC FOR PIPE SIZES BETWEEN 1-1/2" THROUGH 1" – SOLVENT WELD – 18"-24" BELOW GRADE
	EXISTING LATERAL	UNKNOWN	SCH. 40 PVC & CLASS 200 PVC – SOLVENT WELD – 24" BELOW GRADE
	DRIPLINE TUBING ON GRADE	HUNTER	PLD-10-18-100 – 1.0 GPH EMITTERS @ 18" O.C. – SECURE TO GRADE W/ 6" GALV. STAPLES @ 3'-0" O.C. USE HUNTER PLD-LOC SERIES FITTINGS FOR CONNECTIONS TO PVC LATERALS, ALL TUBING DIRETIONAL CHANGES & END CAPS
	LATERAL	JM EAGLE	SCH. 40 PVC – SOLVENT WELD – 12" BELOW GRADE
	FLEXIBLE PVC HOSE	HUNTER	IPS-050250 – SOLVENT WELD – TAN COLOR – 250' ROLL – USE WITH HUNTER IH-FIT-3850 MALE ADAPTERS
●	DRIP REMOTE CONTROL VALVE ASSEMBLY	SUPERIOR / RAIN BIRD	3200-100 (1") SERIES REMOTE CONTROL VALVE WITH A RAIN BIRD PRESSURE REGULATING BASKET STRAINER, MODEL PRB-QKCHK-100. INSTALL A NIBCO -113 SERIES GATE VALVE UPSTREAM OF RCV – ASSEMBLY INSTALLED WITHIN A TAN JUMBO VALVE BOX – TAN LID
NO SYMBOL	GATE VALVE	NIBCO	T-113 SERIES – LINE SIZE – INSTALL UPSTREAM OF REMOTE CONTROL VALVE WITHIN TAN COLORED JUMBO VALVE BOX
▼	QUICK COUPLER	RAIN BIRD	44 LRC – 1" SIZE – INSTALLED IN A TAN COLORED 10" ROUND VALVE BOX MANUFACTURED BY NDS CORPORATION
(A)	CAPPED LATERAL	LASCO / EQUAL	CAP END OF LATERAL PIPING AT LIMIT OF WORK – INSTALL CAPPED LATERAL 6" ABOVE FINISH GRADE FOR FUTURE DRIP SYSTEM WORK
▶◁	IN LINE SWING CHECK VALVE	N.D.S.	PART NUMBER 1520C07F / REF. NUMBER KSCC-0750-T – INSTALLED IN A 10" ROUND VALVE BOX – GREEN LID

O	T	H	T	T	Q	F				PSI	RAD	GPM 90°	GPM 120°	GPM 180°	GPM 240°	GPM 270°	GPM 360°
							PRESSURE COMPENSATING DRIP EMITTER ON 1/2" FIPT PLASTIC BODY	BOWSMITH / HUNTER	MODEL SL220 / BLACK COLORED PRESSURE REGULATING DRIP EMITTER ON FIPT BODY. INSTALL (1) DRIP EMITTER PER EACH SHRUB ON 1/2" IRRIGATION SIZE (3/8" IPS) FLEXIBLE PVC HOSE, HUNTER MODEL IPS-050250 (TAN HOSE WITH MALE ADAPTERS) WITH (2) SOLVENT WELD HUNTER MODEL IH-FIT-3850 TAN COLORED MALE ADPAPTERS. CUT LENGTH OF FLEXIBLE PVC TUBING STARTING FROM RIGID PVC LATERAL SUPPLY LINE TO LENGTH NEEDED TO INSTALL EMITTER WITHIN PLANT SOIL BASIN IN THE FIELD. USE I.P.S. PIPE PRIMER MODEL 'P-70' AND I.P.S. SOLVENT CEMENT MODEL '795' FOR ALL FLEXIBLE PVC TUBING SOLVENT WELDS TO TAN COLORED HUNTER MALE ADAPTERS.	30	1					0.25

IRRIGATION PROJECT NOTES

1. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR AND THE MOORPARK COLLEGE REPRESENTATIVE SHALL PARTICIPATE IN A THOROUGH IRRIGATION SYSTEM REVIEW OF THE PROJECT SITE. ALL REMOTE CONTROL VALVES SHALL BE TURNED ON AND OBSERVED IN OPERATION BY BOTH THE CONTRACTOR AND MOORPARK COLLEGE REPRESENTATIVE. ANY EXISTING DEFECTS WILL BE LISTED IN DETAIL IDENTIFYING THE SPECIFIC VALVE STATION NUMBER AND DESCRIBING THE EXACT BROKEN OR NON FUNCTIONING IRRIGATION COMPONENT NOTED DURING THE SITE REVIEW. AT THE CONCLUSION OF THE IRRIGATION REVIEW, THE CONTRACTOR SHALL GENERATE A SUMMARY OF THE ITEMS IDENTIFIED BY BOTH PARTIES LISTING ALL REMOTE CONTROL VALVES OPERATED, IDENTIFYING IF THE VALVE PERFORMED WITHOUT ANY DEFECTS OR SPECIFICALLY IDENTIFYING ANY OBSERVED DEFECTS OR NON FUNCTIONING COMPONENTS, SUCH AS BROKEN HEADS, CLOGGED NOZZLES, NON OPERATING VALVE SOLENOID, BROKEN PIPING, OR OTHER NOTED DEFECT. THE COMPLETED SUMMARY OF ITEMS NOTED SHALL BE LISTED ON A DOCUMENT CALLED 'EXISTING IRRIGATION SYSTEM OBSERVATIONS'. THIS DOCUMENT SHALL BE SIGNED BY THE CONTRACTOR AND SUBMITTED TO THE MOORPARK COLLEGE REPRESENTATIVE FOR A CONFIRMING SIGNATURE. THE MUTUALLY SIGNED 'EXISTING IRRIGATION SYSTEM OBSERVATIONS DOCUMENT' SHALL BE SENT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR INSPECTION PURPOSES AT THE CONCLUSION OF THE CONSTRUCTION WORK. IF REQUESTED BY THE MOORPARK COLLEGE REPRESENTATIVE, THE CONTRACTOR SHALL PROVIDE A LIST OF THE EXISTING DEFECTIVE IRRIGATION COMPONENTS NOTED WITH A DETAILED WRITTEN PROPOSAL TO REPAIR EACH ITEM IDENTIFIED ON THE LIST. A COPY OF THIS PROPOSAL WILL BE SENT TO THE LANDSCAPE ARCHITECT. THIS ADDITIONAL WORK PROPOSAL MUST BE REVIEWED AND APPROVED IN WRITING BY THE MOORPARK COLLEGE REPRESENTATIVE AND FORMALLY PRESENTED TO THE GENERAL CONTRACTOR BEFORE THE LANDSCAPE SUB-CONTRACTOR CAN BEGIN ANY ADDITIONAL REPAIR WORK. THE MUTUALLY SIGNED 'EXISTING IRRIGATION SYSTEM OBSERVATION DOCUMENT' SHALL BE USED AS A GUIDE TO IDENTIFY ANY COLLATERAL DAMAGE CAUSED TO THE EXISTING IRRIGATION SYSTEM AS A RESULT OF NEW CONSTRUCTION PERFORMED ON SITE BY THE CONTRACTORS. ANY DAMAGE CAUSED TO THE EXISTING IRRIGATION SYSTEM NOT SPECIFICALLY IDENTIFIED ON THE 'EXISTING IRRIGATION SYSTEM OBSERVATION DOCUMENT' SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THAT THE CONTRACTOR DOES NOT PARTICIPATE OR PERFORM THE EXISTING IRRIGATION SITE REVIEW, ANY EXISTING IRRIGATION EQUIPMENT OR COMPONENTS DAMAGED ON THE PROJECT SITE NOTED BY THE LANDSCAPE ARCHITECT DURING THE FINAL IRRIGATION SYSTEM REVIEW SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE TO THE SATISFACTION OF THE MOORPARK COLLEGE REPRESENTATIVE.
2. FIELD VERIFY EXISTING STATIC WATER PRESSURE AND NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING ANY WORK.
3. CONTACT DIG ALERT AT 1-800-227-2600 TO IDENTIFY AND LOCATE ALL ON-SITE UTILITIES PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL COORDINATE WITH THE MOORPARK COLLEGE REPRESENTATIVE AND REVIEW THE EXISTING SITE PRIOR TO BEGINNING WORK TO AVOID CONFLICTS WITH FUTURE CONSTRUCTION.
4. PROTECT IN PLACE AND KEEP IN WORKING CONDITION ALL EXISTING IRRIGATION SYSTEMS NOT A PART OF THIS WORK. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING MAINLINE SEGMENT, LATERAL, IRRIGATION CONTROL WIRE, HYDRAULIC TUBING, REMOTE CONTROL VALVE, VALVE BOX, QUICK COUPLER, OR ANY OTHER IRRIGATION SYSTEM COMPONENT DAMAGED DURING THE RENOVATION PROCESS. ADJACENT FUNCTIONING IRRIGATION SYSTEM COMPONENTS MUST BE KEPT IN WORKING CONDITION TO MAINTAIN THE HEALTH AND VIGOR OF THE EXISTING TURF AND LANDSCAPE PLANTINGS. PROLONGED LACK OF WATER TO THESE PLANTERS AS A RESULT OF NEW CONSTRUCTION WORK THAT RESULTS IN THE LOSS OF TURF OR PLANTS SHALL BE REPLACED BY THE CONTRACTOR AT THEIR COST AND TO THE SATISFACTION OF THE MOORPARK COLLEGE REPRESENTATIVE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRENCH SETTLING OR IRRIGATION HEAD SETTLING. ALL TRENCHES WILL BE BACK FILLED WITH CLEAN SOIL, COMPACTED TO 90 PERCENT RELATIVE COMPACTION AND PLANTED WITH APPROVED SEED OR PLANT MATERIAL AS PER PLAN. ALL HEADS THAT SETTLE WILL BE RAISED TO 1/2" ABOVE FINISH GRADE OR AS DIRECTED BY EITHER THE LANDSCAPE ARCHITECT OR MOORPARK COLLEGE REPRESENTATIVE. PROVIDE ADDITIONAL SOIL AS NECESSARY AND HAND TAMP AROUND HEAD TO PREVENT FUTURE SETTLING.
6. SLEEVE ALL PVC IRRIGATION PIPES AND WIRES INSTALLED UNDER PAVING. WIRES SHALL BE ENCLOSED IN SCH. 40 PVC ELECTRICAL CONDUIT SIZED BY THE CONTRACTOR OR AS NOTED ON THE IRRIGATION PLANS, NO LESS THAN 2" IN SIZE. MAINLINE SLEEVES SHALL BE SIZED AS PER LEGEND ON PLANS. SEE SPECIFICATIONS AND IRRIGATION SLEEVING SCHEDULE FOR ADDITIONAL INFORMATION.
7. THE IRRIGATION SYSTEM IS SHOWN DIAGRAMMATICALLY. INSTALL ALL IRRIGATION EQUIPMENT WITHIN LANDSCAPE PLANTERS WHENEVER POSSIBLE.
8. ALL SPRINKLER HEADS SPECIFIED ON THIS PROJECT ARE EQUIPPED WITH FACTORY INSTALLED CHECK VALVES IN THE SPRINKLER BODY. IN THE EVENT THAT LOW HEAD DRAINAGE STILL OCCURS, THE CONTRACTOR SHALL INSTALL INLINE SWING CHECK OR SPRING LOADED CHECK VALVES ON THE PVC LATERALS TO PREVENT LOW HEAD DRAINAGE. ANY INLINE CHECK VALVE INSTALLED ON PVC LATERALS MUST BE FURNISHED WITH A 10" ROUND PLASTIC VALVE BOX WITH A LOCKING GREEN PLASTIC LID.
9. ALL VALVE BOXES INSTALLED IN CONCRETE OR ASPHALT PAVING SHALL BE TRAFFIC RATED CONCRETE BOXES WITH CONCRETE LIDS. BOXES SHALL BE MANUFACTURED BY OLDCASTLE PRE-CAST, OR CHRISTY CONCRETE BOX EQUIVALENT, SIZED AS PER IRRIGATION PLAN. ALL JUMBO RECTANGULAR PLASTIC VALVE BOXES SHALL HAVE THE MINIMUM INTERIOR DIMENSIONS OF (17-3/4"W X 24-7/16"L X 12-5/8"H). ANY BOXES INSTALLED IN TURF AREAS SHALL BE GREEN IN COLOR. ALL BOXES INSTALLED IN SHRUB PLANTING AREAS SHALL BE TAN IN COLOR. VALVE BOX LIDS SHALL BE OVERLAPPING STYLE AND FURNISHED WITH A STAINLESS STEEL BOLT. THE CONTRACTOR SHALL INCLUDE THE COST FOR ANY PLASTIC VALVE BOX EXTENSION THAT MIGHT BE REQUIRED TO COMPLETE THE VALVE INSTALLATION AS PART OF THE BASE BID. PLASTIC BOX MANUFACTURER SHALL BE MANUFACTURED BY NDS CORPORATION ONLY. SPECIFIC JUMBO VALVE BOX MODEL NUMBERS SHALL BE NDS PRO SERIES PLUS VALVE BOXES, GREEN MODEL 318BCB FOR TURF AREAS, AND 318BCBSAND FOR TAN COLORED BOX FOR SHRUB PLANTER AREAS. NO ALTERNATE VALVE BOX MANUFACTURERS WILL BE ACCEPTED FOR THIS PROJECT. THE TAN COLORED 10" ROUND VALVE BOX WITH BOLT BOWN LID REQUIRED FOR THE 1" QUICK COUPLER INSTALLED IN THE SHRUB BED SHALL BE NDS MODEL 312BCBSAND
10. USE ONLY SCH. 80 PVC NIPPLES WHEN INSTALLING VALVES REQUIRING THREADED FITTINGS. SCH. 40 PVC MALE ADAPTERS SHALL NOT BE USED ON ANY VALVE ASSEMBLY.
11. MAKE ALL REQUIRED ADJUSTMENTS TO BOTH EXISTING AND NEW SPRINKLER HEADS TO PREVENT ANY IRRIGATION WATER FROM OVER SPRAYING ON TO ADJACENT PAVEMENT OR BUILDINGS. MAKE ANY NOZZLE REPLACEMENTS AS REQUESTED BY EITHER THE LANDSCAPE ARCHITECT OR THE MOORPARK COLLEGE REPRESENTATIVE TO IMPROVE IRRIGATION COVERAGE OR TO BALANCE PRECIPITATION RATE TO LANDSCAPE PLANTER AS PART OF BASE BID.
12. HEAT STAMP OR 'BRAND' INTO THE PLASTIC REMOTE CONTROL VALVE BOX LIDS THE NEW VALVE STATION NUMBER AND RELATED NEW AUTO CONTROLLER LETTER. PROVIDE CHRISTY STANDARD SIZE I.D. TAGS CONNECTED TO ALL NEW REMOTE CONTROL VALVE SOLENOIDS WITH STATION NUMBER AND RELATED EXISTING AUTO CONTROLLER IDENTIFICATION LETTER. VERIFY WITH THE MOORPARK COLLEGE REPRESENTATIVE THE EXACT DESIRED NEW REMOTE CONTROL VALVE STATION NUMBERS PRIOR TO ORDERING CHRISTY VALVE IDENTIFICATION TAGS OR HEAT STAMPING VALVE BOX LIDS.
13. ALL WATER TIGHT CONNECTORS USED TO SPLICE 14 GAUGE WIRES TO REMOTE CONTROL VALVE SOLENOIDS OR TO REPAIR BROKEN EXISTING REMOTE CONTROL VALVE WIRES ON THIS PROJECT SHALL BE MANUFACTURED BY SPEARS, MODEL DS-400. USE 3M COMPANY, MODEL DBR-Y6 SERIES OR RAIN MASTER EQUIVALENT WHEN SPLICING ANY EXISTING TWO WIRE CABLES. USE RAIN MASTER MODEL EV-SPLICE-KIT TO SPLICE RAIN MASTER COMMUNICATION CABLE MODEL EV-CAB-COM ONLY.
14. INSTALL ALL IRRIGATION REMOTE CONTROL VALVES, BALL VALVES, AND QUICK COUPLING VALVES A MINIMUM DISTANCE OF 10'-0" FROM ALL TREE TRUNK LOCATIONS ILLUSTRATED ON PLANTING PLAN. CONFIRM LAYOUT OF EXISTING OR NEW TREE LOCATIONS PRIOR TO INSTALLING ANY VALVE.
15. EXISTING IMPROVEMENTS WITHIN THE WORK AREAS SHALL REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED. DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPLACED IN KIND TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO CONSTRUCTION.
16. UTILITIES MAY HAVE BEEN OMITTED ON THE IRRIGATION SHEETS. REVIEW CIVIL ENGINEER'S DRAWINGS AND EXERCISE CARE IN EXCAVATION WHILE PROTECTING EXISTING UTILITIES IN PLACE.

PROJECT KEY NOTES

SYMBOL — DESCRIPTION

(A) IRRIGATION POINT OF CONNECTION 'A'
LOCATE (2) EXISTING 1" REMOTE CONTROL VALVES IN A PLASTIC VALVE BOXES IN LANDSCAPE PLANTER. EXCAVATE AROUND BOTH EXISTING REMOTE CONTROL VALVES AND VALVE BOXES. REMOVE EXISTING VALVE BOX. REMOVE EXISTING REMOTE CONTROL VALVE WITH ALL EXISTING FITTINGS AND NIPPLES TO EXISTING MAINLINE. RETURN BOTH EXISTING VALVE BOXES AND REMOTE CONTROL VALVES TO MOORPARK COLLEGE REPRESENTATIVE. INSTALL NEW FITTINGS, NIPPLES, AND ALL COMPONENTS AS IDENTIFIED IN REMOTE CONTROL VALVE DETAIL TO REPLACE EXISTING VALVES WITH NEW 1" MANIFOLD CONSISTING OF (1) 1" T-113 SERIES GATE VALVE UP STREAM OF NEW R.C.V, (1) NEW 1" SUPERIOR MODEL 3200 SERIES REMOTE CONTROL VALVE, AND (1) 1" RAIN BIRD MODEL PRB-QKCHK-100 DRIP FILTER ON DISCHARGE SIDE OF EACH NEW REMOTE CONTROL VALVE FOR BOTH REPLACEMENT ASSEMBLIES. INSTALL NEW SPEARS DS-400 SERIES WIRE CONNECTORS AND CONNECT EXISTING 14 GAUGE WIRES TO NEW REMOTE CONTROL VALVE SOLENOIDS. INSTALL NEW SCH. 40 PVC LATERAL SEGMENTS WITH NEW DRIPLINE TUBING OR NEW DRIP EMITTERS ON GRADE TO IRRIGATE BOTH EXISTING TREES AND NEW SHRUBS. SECURE DRIPLINE TUBING AS WELL AS PVC FLEXIBLE TUBING TO FINISH GRADE WITH 6" LONG GALVANIZED STEEL TUBING STAPLES INSTALLED 3'-0" O.C. INSTALL NEW PLASTIC JUMBO RECTANGULAR VALVE BOX FOR EACH COMPLETED REMOTE CONTROL VALVE ASSEMBLY. VERIFY WITH THE MOORPARK COLLEGE REPRESENTATIVE THE EXACT AUTO CONTROLLER STATION NUMBER EACH NEW REMOTE CONTROL VALVE WITH BE IDENTIFIED AS ON EXISTING AUTO CONTROLLER. HEAT STAMPED STATION NUMBER ON VALVE BOX LID. INSTALL A NEW STANDARD YELLOW CHRISTY ID TAG ON VALVE SOLENOID. CUT INTO EXISTING 1" SCH. 40 PVC IRRIGATION MAINLINE AND INSTALL A NEW 1" QUICK COUPLING VALVE INSTALLED IN A 10" ROUND VALVE BOX.

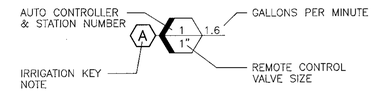
(B) IRRIGATION POINT OF CONNECTION 'B'
EXCAVATE AND EXPOSE THE END OF AN EXISTING BURIED 1-1/2" PVC LATERAL LINE ORIGINATING FROM REMOTE CONTROL VALVE IDENTIFIED AS VALVE STATION '1' AND ENDING IN THE EXISTING PLANTER. AFTER THE NEW REMOTE CONTROL VALVE HAS BEEN INSTALLED AS PER KEY NOTE 'A', OPERATE THE NEW REMOTE CONTROL VALVE AND FLUSH EXISTING PVC LATERAL REMOVING ALL EXISTING SOIL AND DEBRIS. INSTALL A NEW 1-1/2" SCH. 40 PVC PIPE SEGMENT TO THE END OF THE EXISTING BURIED PIPE AND EXTEND AS PER PLAN. USING MARKING FLAGS, LAYOUT ALL NEW PROPOSED PLANT LOCATIONS IN THE FIELD. OBTAIN APPROVAL FROM MOORPARK COLLEGE REPRESENTATIVE OF THE NEW PLANT LAYOUT PRIOR TO INSTALLING AND BURIED PVC LATERAL LINES OF PVC FLEXIBLE HOSE SEGMENTS. ONCE LAYOUT IS APPROVED, INSTALL NEW SCH. 40 PVC LATERALS BURIED 12" BELOW GRADE WITH FLEXIBLE PVC HOSE SEGMENTS ORIGINATING FROM BURIED LATERAL FITTINGS AND EXTENDED ON GRADE TO EACH NEW PROPOSED PLANT ROOT BALL. SECURE ALL FLEXIBLE PVC HOSE SEGMENTS TO FINISH GRADE WITH 6" LONG GALVANIZED SOIL STAPLES INSTALLED 3'-0" O.C. FLUSH LINES THOROUGHLY. INSTALL NEW 2 GALLON PER HOUR DRIP EMITTERS WITHIN EACH PLANT SOIL BASIN. EMITTER SHALL DEPOSIT WATER DIRECTLY ON THE EDGE OF THE PLANT ROOT BALL AND SHRUB BACKFILL MIX.

IRRIGATION SLEEVING SCHEDULE

ALL SLEEVES TO BE INSTALLED 24" BELOW GRADE

MAINLINE OR / LATERAL PIPE SIZE	SLEEVE SIZE REQUIRED
3/4" SCH. 40 PVC / SCH. 40 PVC	1-1/2" SCH. 40 PVC
1" SCH. 40 PVC / SCH. 40 PVC	2" SCH. 40 PVC
1-1/4" SCH. 40 PVC / SCH. 40 PVC	2-1/2" SCH. 40 PVC
1-1/2" SCH. 40 PVC / SCH. 40 PVC	3" CLASS 200 PVC
2" C900 PVC / SCH. 40 PVC	4" CLASS 200 PVC
2-1/2" C900 PVC / SCH. 40 PVC	4" CLASS 200 PVC
3" C900 PVC / SCH. 40 PVC	6" CLASS 200 PVC
4" C900 PVC / SCH. 40 PVC	6" CLASS 200 PVC

NEW INSTALLATION / REPLACEMENT REMOTE CONTROL VALVE SYMBOL



REGISTERED LANDSCAPE ARCHITECT — PAUL V. JORDAN — 2001 — RENEWAL DATE 1-31-19 — STATE OF CALIFORNIA

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AMADOR WHITTLE ARCHITECTS, INC.

LICENSED ARCHITECT — C-20348 — JANUARY 31, 2019 — RENEWAL DATE — STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
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(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
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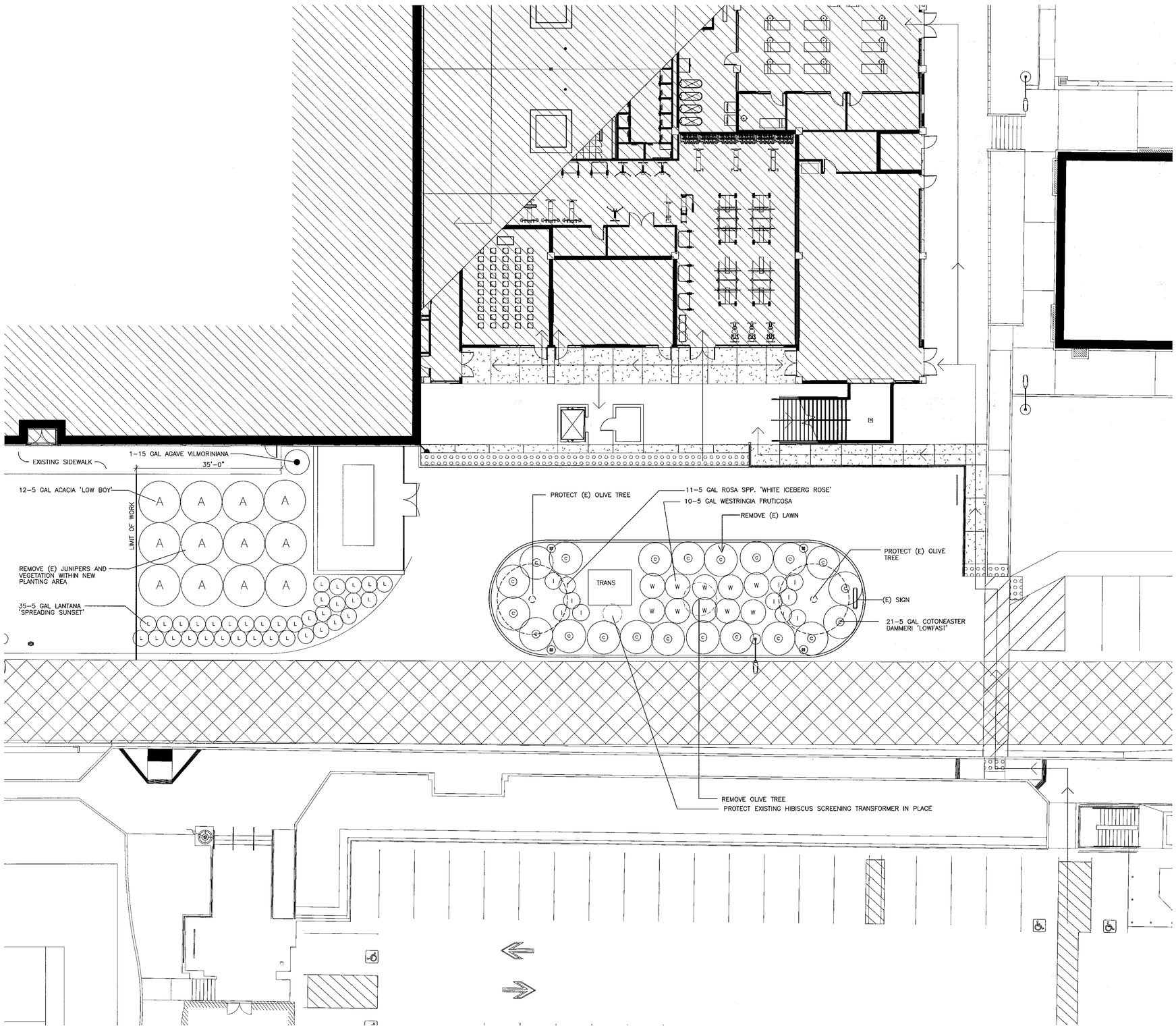
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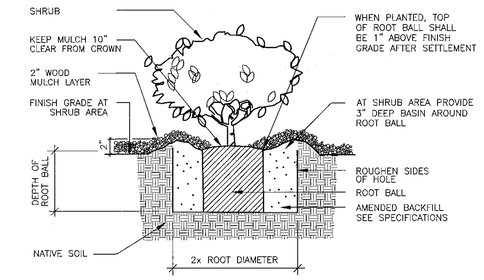
IRRIGATION NOTES AND LEGEND

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

L1.2
__ OF __



1 PLANTING PLAN
SCALE 1'=10'-0"



1 / L2.1 SHRUB PLANTING DETAIL
NOT TO SCALE

PLANT LEGEND

SHRUBS

SYMBOL	BOTANICAL NAME COMMON NAME	QUANTITY	SIZE	DETAIL REF.
A	ACACIA REDOLENS 'LOW BOY' ACACIA	12	5 GALLON	1 / L2.1
●	AGAVE VILMORIANA	1	15 GALLON	1 / L2.1
L	LANTANA MONTENVIDENSIS 'SPREADING SUNSET'	35	5 GALLON	1 / L2.1
C	COTONEASTER DAMMERI 'LOWFAST' COTONEASTER	21	5 GALLON	1 / L2.1
I	ROSA SPP. 'WHITE ICEBERG ROSE'	11	5 GALLON	1 / L2.1
W	WESTRINGIA FRUTICOSA COAST ROSEMARY	10	5 GALLON	1 / L2.1

PLANTING NOTES:

1. SPRAY AND KILL EXISTING LAWN THEN SOIL PREP AND FINE GRADE. FOLLOW SCHOOL DISTRICT POLICY REGARDING NOTICE REQUIREMENTS FOR ALL SPRAYING WORK.
2. APPLY A 2" LAYER OF WOOD MULCH THROUGHOUT THE LANDSCAPE PLANTING AREAS

REGISTERED LANDSCAPE ARCHITECT — RANDALL F. JORDAN — 2009 — 2-11-20 RENEWAL DATE — 3-26-18 DATE — STATE OF CALIFORNIA

CONSULTANT
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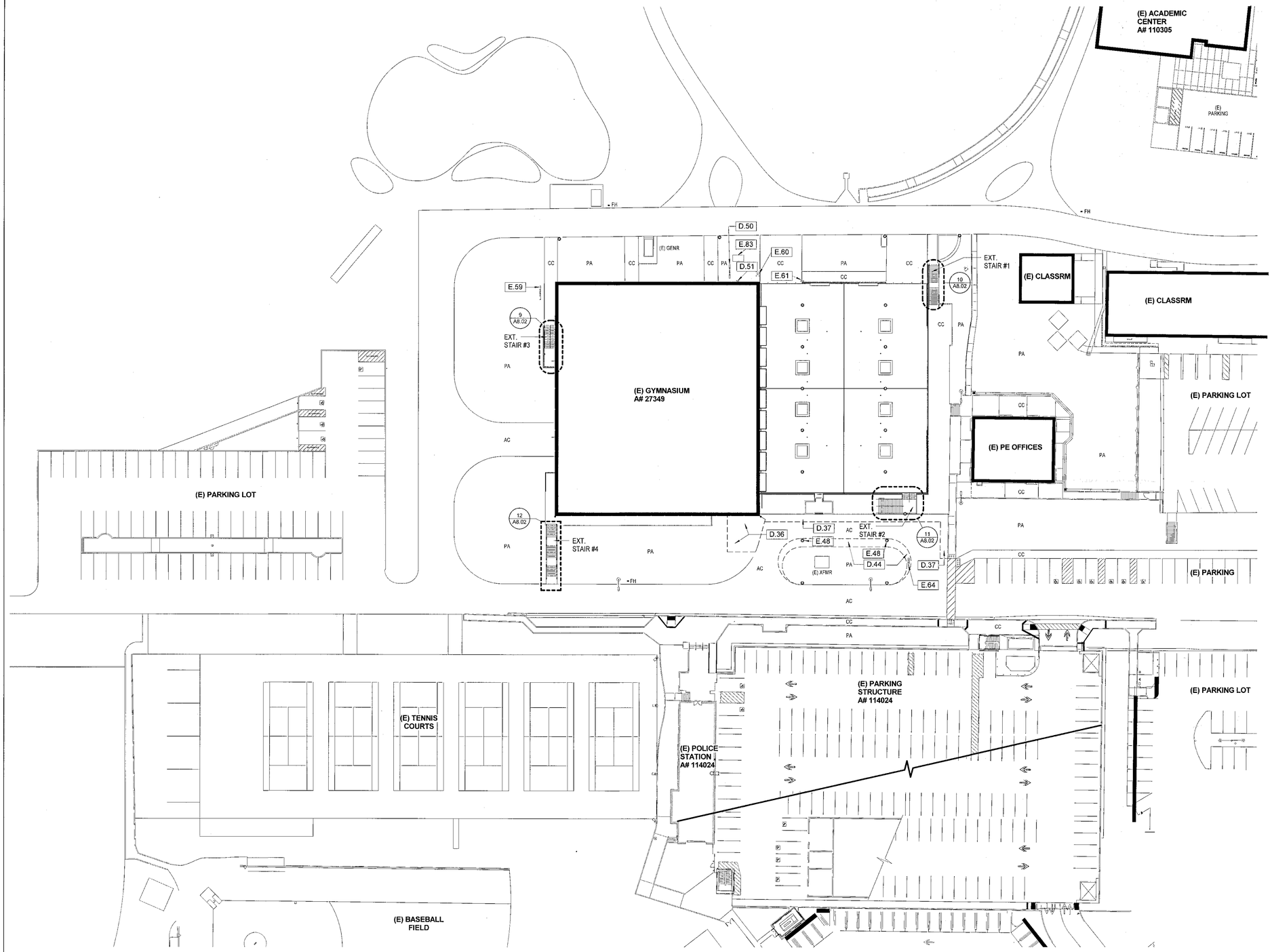
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	JOB NO: 16-MPC-023

PLANTNIG PLAN

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

L2.1
__ OF __



LEGEND

BLDG	EXISTING BUILDINGS
	EXISTING TRUNCATED DOMES
FH	EXISTING FIRE HYDRANT
	(E) STREET LIGHT
	(E) POLE LIGHT
PA	PLANTER AREA
CC	CEMENT CONCRETE
AC	ASPHALT CONCRETE

1 SITE PLAN - DEMOLITION
1" = 30'-0"

0' 10' 20' 30' 60' 120' NORTH

EXISTING KEYNOTES E#

- E.48 (E) LIGHT FIXTURE TO BE RELOCATED - SEE A1.00
- E.59 (E) LANDSCAPE IRRIGATION CONTROL VALVE ASSEMBLY TO REMAIN
- E.60 (E) GAS METER TO REMAIN
- E.61 (E) GAS PRESSURE REGULATOR TO REMAIN
- E.64 (E) SMALL MARQUEE SIGN TO BE DEMOLISHED
- E.83 (E) DOMESTIC WATER UNDERGROUND VAULT TO REMAIN

DEMOLITION KEYNOTES D#

- D.36 DEMOLISH (E) BERM AS REQUIRED FOR NEW CHILLER ENCLOSURE - MODIFY IRRIGATION PER LANDSCAPE DWGS.
- D.37 DEMOLISH (E) ASPHALT AS REQUIRED FOR NEW CONCRETE SIDEWALK
- D.44 DEMOLISH (E) TURF AREA - MODIFY IRRIGATION PER LANDSCAPE DWGS.
- D.50 DEMOLISH (E) DDC ASSEMBLY & PREP. FOR INSTALLATION OF NEW DDC. SEE FIRE SPRINKLER PLANS FOR NEW SCOPE OF WORK
- D.51 DEMOLISH (E) FDC FROM FACE OF BUILDING AND PATCH WALL TO MATCH EXISTING. SEE FIRE SPRINKLER PLANS FOR INSTALLATION OF NEW FDC

GENERAL NOTES - SITE DEMOLITION

1. EXECUTE ALL DEMOLITION REQUIRED FOR COMPLETION OF THE WORK. SEE ENLARGED STAIR PLANS FOR EXTERIOR STAIR DEMOLITION SCOPE OF WORK.

   KEEP SITE AND ADJACENT AREAS CLEAN AND UNOBSTRUCTED.
2. COORDINATE WITH THE MPC PROJECT MANAGER.
3. REMOVE OR RELOCATE EXISTING POWER, DATA, IRRIGATION, PLUMBING AND OTHER UTILITIES AS REQUIRED TO ACCOMODATE THE NEW IMPROVEMENTS - SEE PLUMBING, ELECTRICAL, LANDSCAPE, CIVIL & FIRE SPRINKLER DRAWINGS FOR SCOPE OF DEMOLITION WORK.

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APP. NO. 03-118379
AC PA FLS ZA SS KP
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH AMADOR C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

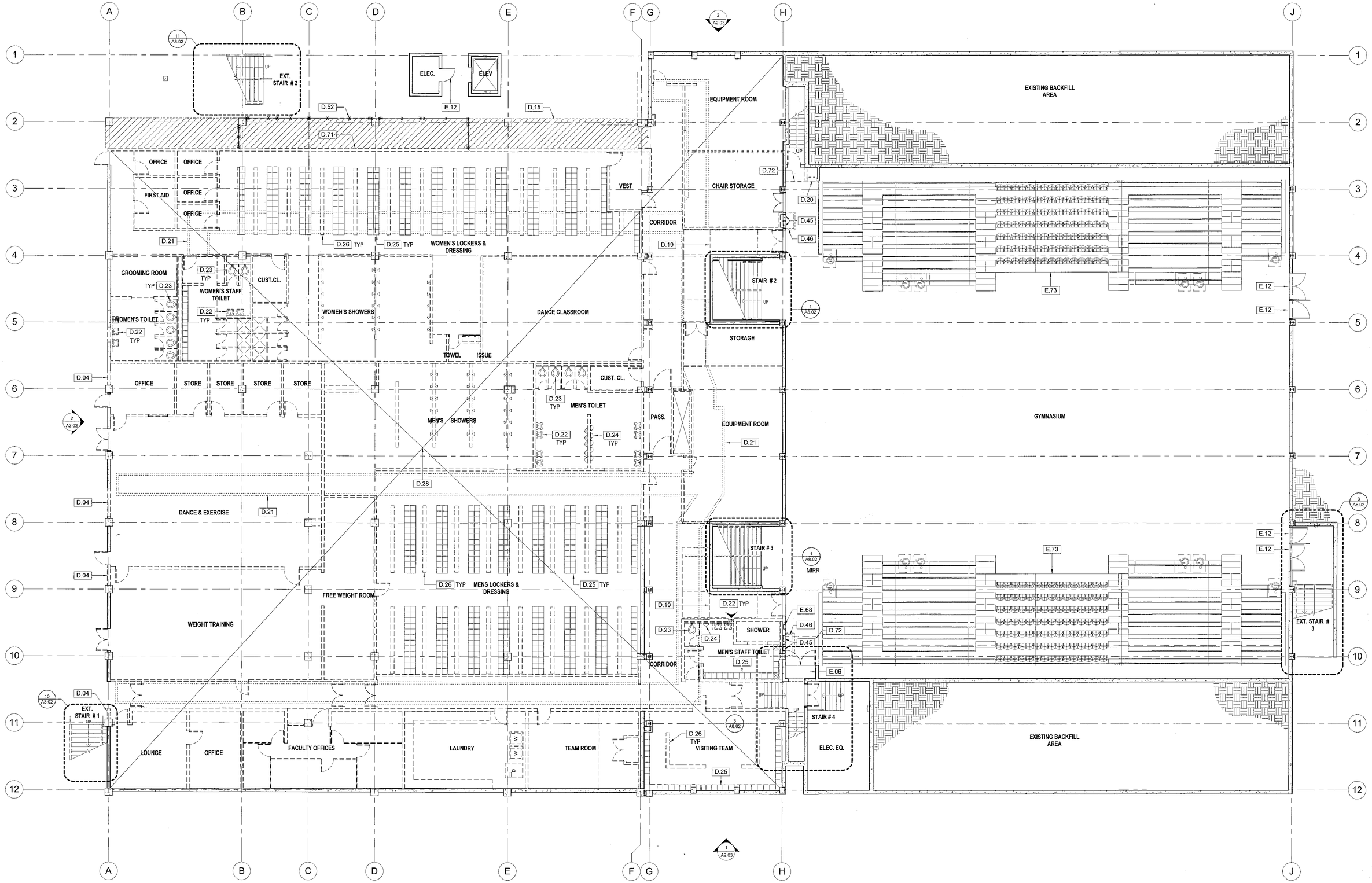
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REVISIONS	DATE: 03/26/18
	DRAWN: RJF
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

SITE PLAN - DEMOLITION

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A0.00
SHT OF



1 FIRST FLOOR - DEMOLITION

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

EXISTING KEYNOTES E#

- E.06 (E) CONCRETE SLAB TO REMAIN
- E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS
- E.20 (E) STUD WALL TO REMAIN (1HR RATED WHERE SHOWN ON FLOOR PLANS)
- E.68 (E) FIRE EXTINGUISHER CABINET TO REMAIN
- E.73 (E) BLEACHERS TO REMAIN IN PLACE - A#03-108889 CERTIFIED 12/01/2016

DEMOLITION KEYNOTES D#

- D.04 SAWCUT AN OPENING IN (E) CONCRETE WALL PANEL FOR (N) DOOR OR WINDOW - COORD. SIZE OF OPENING WITH DOOR & WINDOW SCHEDULES - SEE 3/S2.00 FOR OPENING REINFORCING INFO
- D.15 DEMOLISH (E) CONCRETE SIDEWALK BETWEEN EXTERIOR FACE OF COLUMNS AND BUILDING
- D.19 DEMOLISH (E) CONCRETE RAMP & HANDRAILS
- D.20 DEMOLISH (E) FIRE HOSE CABINET
- D.21 DEMOLISH (E) UNDERFLOOR CONCRETE TRENCH AS REQUIRED FOR NEW WORK. FOR PORTIONS OF TRENCHES TO BE ABANDONED IN PLACE, FILL VOIDS WITH SAND OR CONCRETE. SLURRY.
- D.22 DEMOLISH (E) LAVATORY BASIN
- D.23 REMOVE (E) WATER CLOSET & FLUSH VALVE AND RETAIN FOR USE IN NEW CONSTRUCTION
- D.24 REMOVE (E) URINAL & FLUSH VALVE AND RETAIN FOR USE IN NEW CONSTRUCTION
- D.25 DEMOLISH (E) LOCKERS
- D.26 DEMOLISH (E) LOCKER BENCH
- D.28 DEMOLISH ENTIRE FLOOR SLAB & CONCRETE CURBS WHERE INDICATED BY 'X'. PROTECT (E) WALL DOWELS PER STRUCTURAL DETAIL 28/S0.12
- D.45 DEMOLISH (E) DRINKING FOUNTAIN & CUSPIDOR
- D.46 DEMOLISH (E) TILE FLOOR, ADJACENT BORDER, BASE & SETTING BED. PREP TO RECEIVE (N) WOOD FLOOR.
- D.52 DEMOLISH (E) CHAIN-LINK FENCING
- D.71 DEMOLISH (E) NON-STURCTURAL WALL, TO ALLOW FOR NEW WALL WITH STOREFRONT WINDOWS
- D.72 DEMOLISH PORTION OF (E) WOOD FLOOR, PREP FOR (N) CONCRETE SLAB INFILL

GENERAL NOTES - DEMOLITION

1. ALL EXISTING FURNITURE, FIXTURES AND EQUIPMENT SHALL BE REMOVED AS REQUIRED TO ACCOMODATE THE NEW IMPROVEMENTS. COORDINATE REMOVAL WITH THE MPC PROJECT MANAGER.
2. EXECUTE ALL DEMOLITION REQUIRED FOR COMPLETION OF THE WORK. CONFORM WITH CBC/CFC CHAPTER 33 PROVISIONS.
3. SEE ENLARGED STAIR PLANS FOR SCOPE OF ASSOCIATED DEMOLITION WORK.
4. REMOVE & PROTECT ALL EXISTING URINALS, WATER CLOSETS AND FLUSH VALVES WHICH ARE TO BE CLEANED AND PREPARED FOR REUSE. SEE PLUMBING DRAWINGS FOR SCOPE OF PLUMBING DEMOLITION AND EXTENT OF NEW PLUMBING FIXTURES REQUIRED.
5. REMOVE OR RELOCATE EXISTING POWER, TELECOM, DATA ETC. AS REQUIRED TO ACCOMODATE THE NEW IMPROVEMENTS - SEE ELECTRICAL DRAWINGS FOR SCOPE OF ELECTRICAL DEMOLITION WORK.
6. SEE MECHANICAL PLANS FOR SCOPE OF MECHANICAL DEMOLITION WORK.
7. REMOVE EXISTING FLOOR AND WALL FINISHES. PATCH AS REQUIRED TO ACCOMMODATE NEW IMPROVEMENTS.
8. MAINTAIN FIRE RATING AT RATED FLOOR/CEILING AND WALL FIRE ASSEMBLIES PER CFC 701.3 - 703.1. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR NEW RATED ASSEMBLY REQUIREMENTS.
9. PATCH AND/OR REPAIR ANY DAMAGE TO (E) CONCRETE WALLS & COLUMNS, (E) DOORS & FRAMES, AND (E) TERRACE PAVERS AS NEEDED. MAINTAIN FIRE RATING PER CFC 701.3 - 703.1

CONSULTANT

AMADOR WHITTLE
ARCHITECTS, INC.

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS ZH SS ___
DATE 06-19-18

LICENSED ARCHITECT WILLIAM JOHN MADOR C-30348 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

28326 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

FIRST FLOOR - DEMOLITION PLAN

A0.01

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

___ OF ___



1 SECOND FLOOR - DEMOLITION

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

EXISTING KEYNOTES E#

- E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS
- E.15 (E) STOREFRONT SLIDING DOORS (AUTOMATIC) WITH EMERGENCY EGRESS FUNCTION TO REMAIN
- E.21 PREP (E) FLOOR OPENING TO RECEIVE (N) CONCRETE INFILL
- E.49 REMOVE (E) VENDING MACHINE, PREP AND CLEAN FOR RELOCATION - SEE A1.02A
- E.55 (E) CONCRETE BENCH TO REMAIN IN PLACE, PRESSURE WASH TO REMOVE PAINT. PATCH & REPAIR, PREP BENCH TO RECEIVE (N) POLISHED FINISH

DEMOLITION KEYNOTES D#

- D.22 DEMOLISH (E) LAVATORY BASIN
- D.23 REMOVE (E) WATER CLOSET & FLUSH VALVE AND RETAIN FOR USE IN NEW CONSTRUCTION
- D.25 DEMOLISH (E) LOCKERS
- D.29 CREATE (N) OPENING IN (E) SLAB WHERE INDICATED BY 'X'
- D.30 REMOVE (E) ICE MAKER AND RETAIN FOR USE BY OWNER
- D.31 REMOVE (E) WHIRLPOOL TUB AND RETAIN FOR USE BY OWNER
- D.32 REMOVE (E) DRINKING FOUNTAIN AND RETAIN FOR USE BY OWNER
- D.33 DEMOLISH (E) STOREFRONT SLIDING DOORS (AUTOMATIC)
- D.39 DEMOLISH (E) QUARRY TILE AND MORTAR BED. PREP. FOR NEW CONCRETE TOPPING SLAB
- D.73 DEMOLISH (E) MOSAIC TILE AND MORTAR BED. PREP. FOR NEW CONCRETE TOPPING SLAB
- D.76 DEMOLISH (E) METAL GATE AND FENCE

GENERAL NOTES - DEMOLITION

1. ALL EXISTING FURNITURE, FIXTURES AND EQUIPMENT SHALL BE REMOVED AS REQUIRED TO ACCOMODATE THE NEW IMPROVEMENTS. COORDINATE REMOVAL WITH THE MPC PROJECT MANAGER.
2. EXECUTE ALL DEMOLITION REQUIRED FOR COMPLETION OF THE WORK. CONFORM WITH CBC/CFC CHAPTER 33 PROVISIONS.
3. SEE ENLARGED STAIR PLANS FOR SCOPE OF ASSOCIATED DEMOLITION WORK.
4. REMOVE & PROTECT ALL EXISTING URINALS, WATER CLOSETS AND FLUSH VALVES WHICH ARE TO BE CLEANED AND PREPARED FOR REUSE. SEE PLUMBING DRAWINGS FOR SCOPE OF PLUMBING DEMOLITION AND EXTENT OF NEW PLUMBING FIXTURES REQUIRED.
5. REMOVE OR RELOCATE EXISTING POWER, TELECOM, DATA ETC. AS REQUIRED TO ACCOMODATE THE NEW IMPROVEMENTS - SEE ELECTRICAL DRAWINGS FOR SCOPE OF ELECTRICAL DEMOLITION WORK.
6. SEE MECHANICAL PLANS FOR SCOPE OF MECHANICAL DEMOLITION WORK.
7. REMOVE EXISTING FLOOR AND WALL FINISHES. PATCH AS REQUIRED TO ACCOMMODATE NEW IMPROVEMENTS.
8. MAINTAIN FIRE RATING AT RATED FLOOR/CEILING AND WALL FIRE ASSEMBLIES PER CFC 701.3 - 703.1. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR NEW RATED ASSEMBLY REQUIREMENTS.
9. PATCH AND/OR REPAIR ANY DAMAGE TO (E) CONCRETE WALLS & COLUMNS, (E) DOORS & FRAMES, AND (E) TERRACE PAVERS AS NEEDED. MAINTAIN FIRE RATING PER CFC 701.3 - 703.1

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JORGE WHITTLE C-30348 JANUARY 31, 2019 RENEWAL STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 974-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	
	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

SECOND FLOOR - DEMOLITION PLAN

IF THIS SHEET IS NOT 36" X 48", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

A0.02 __ OF __



1 MECHANICAL MEZZANINE - DEMOLITION

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

EXISTING KEYNOTES E#

E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS

E.23 (E) ROOF ACCESS LADDER TO REMAIN (2ND EXIT FROM MECHANICAL ROOM)

E.67 (E) CONCRETE HOUSEKEEPING PAD TO REMAIN

DEMOLITION KEYNOTES D#

D.02 DEMOLISH (E) DOOR, FRAME AND HARDWARE

D.29 CREATE (N) OPENING IN (E) SLAB WHERE INDICATED BY 'X'

D.55 DEMOLISH (E) CONCRETE CURB AROUND MECHANICAL SHAFT OPENING

D.56 DEMOLISH (E) CONCRETE HOUSEKEEPING PAD AND GRIND FLOOR SMOOTH

D.57 DEMOLISH (E) CONCRETE TANK SUPPORT CURB AND GRIND FLOOR SMOOTH

GENERAL NOTES - DEMOLITION

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5. REMOVE OR RELOCATE EXISTING POWER, TELECOM, DATA ETC. AS REQUIRED TO ACCOMODATE THE NEW IMPROVEMENTS - SEE ELECTRICAL DRAWINGS FOR SCOPE OF ELECTRICAL DEMOLITION WORK.
6. SEE MECHANICAL PLANS FOR SCOPE OF MECHANICAL DEMOLITION WORK.
7. REMOVE EXISTING FLOOR AND WALL FINISHES. PATCH AS REQUIRED TO ACCOMMODATE NEW IMPROVEMENTS.
8. MAINTAIN FIRE RATING AT RATED FLOOR/CEILING AND WALL FIRE ASSEMBLIES PER CFC 701.3 - 703.1. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR NEW RATED ASSEMBLY REQUIREMENTS.
9. PATCH AND/OR REPAIR ANY DAMAGE TO (E) CONCRETE WALLS & COLUMNS, (E) DOORS & FRAMES, AND (E) TERRACE PAVERS AS NEEDED. MAINTAIN FIRE RATING PER CFC 701.3 - 703.1

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS ZH SS RO
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN AMADOR C-26348 JANUARY 29, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

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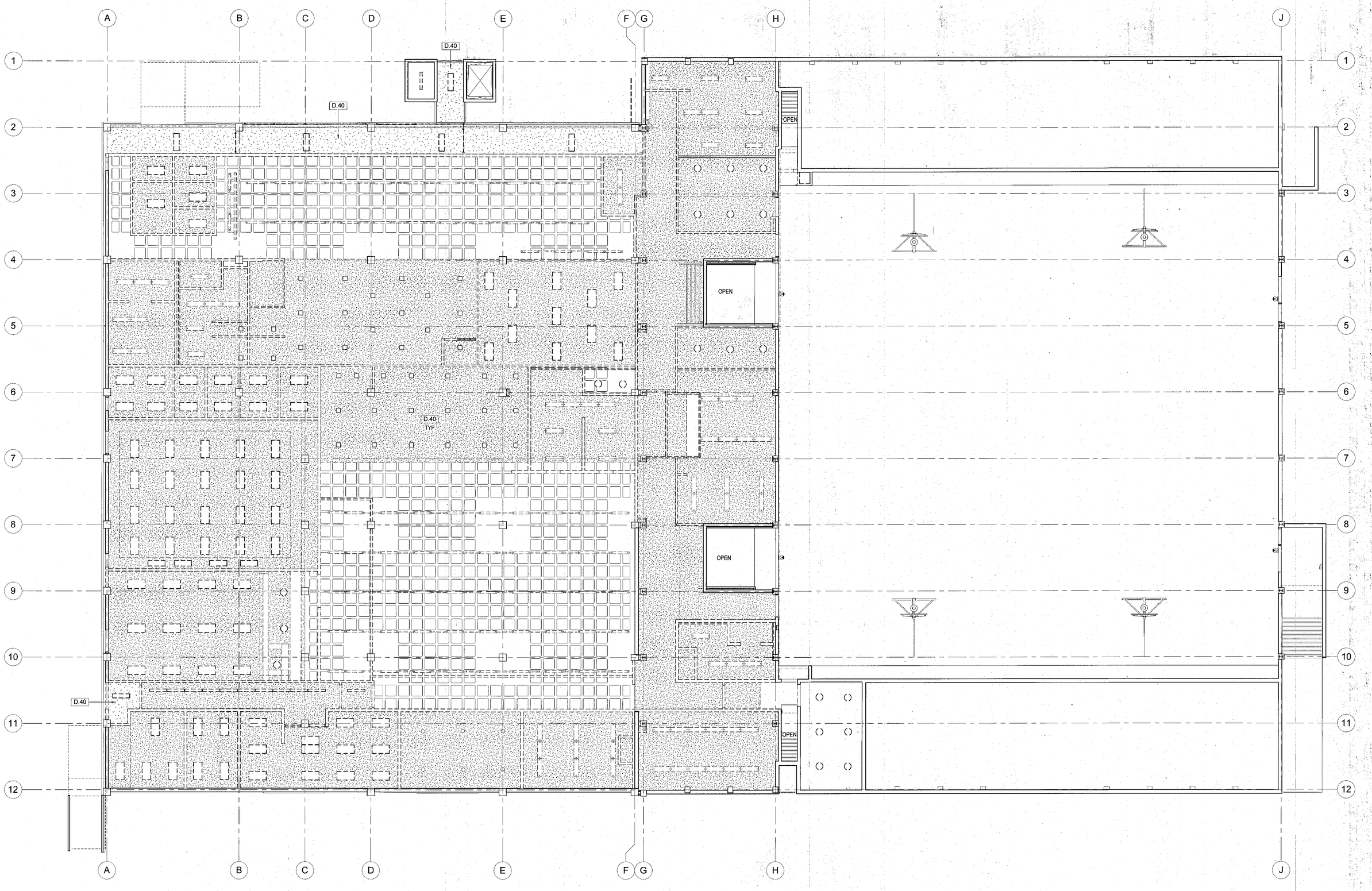
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

MECHANICAL MEZZANINE - DEMOLITION PLAN

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A0.03

__ OF __



1 FIRST FLOOR - DEMOLITION RCP

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

DEMOLITION KEYNOTES D#

D.40 DEMOLISH (E) CEILING AND LIGHT FIXTURES

CEILING LEGEND - DEMOLITION

- TO BE DEMOLISHED
- (E) CONCRETE WAFFLE SLAB CEILING TO REMAIN
- (E) CEMENT PLASTER CEILING TO BE DEMOLISHED U.N.O.
- (E) DRYWALL CEILING TO BE DEMOLISHED U.N.O.
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) PENDANT LIGHT FIXTURE TO BE DEMOLISHED
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) RECESSED DOWN LIGHT TO BE DEMOLISHED

GENERAL NOTES - DEMOLITION RCP

1. EXECUTE ALL DEMOLITION REQUIRED FOR COMPLETION OF THE WORK. KEEP BUILDING CLEAN AND UNOBSTRUCTED. COORDINATE WORK WITH THE MPC PROJECT MANAGER
2. DEMOLISH ALL EXISTING CEILINGS, LIGHT FIXTURES, EXIT SIGNS MECHANICAL REGISTERS ETC., UNLESS NOTED OTHERWISE
3. REMOVE & REPLACE OR MODIFY ALL FIRE SPRINKLER PIPING & HEADS, SMOKE DETECTORS, FIRE ALARM HORNS & STROBES AS SHOWN IN THE FIRE PROTECTION AND FIRE ALARM PLANS
4. REMOVE OR RELOCATE EXISTING POWER, TELECOM, DATA ETC. ABOVE CEILINGS AS REQUIRED TO ACCOMODATE THE NEW IMPROVEMENTS
5. MAINTAIN FIRE RATING AT RATED FLOOR/CEILING AND WALL FIRE ASSEMBLIES. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR NEW RATED ASSEMBLY REQUIREMENTS
6. SEE MECHANICAL DRAWINGS FOR SCOPE OF MECHANICAL DEMOLITION WORK
7. SEE ELECTRICAL DRAWINGS FOR SCOPE OF ELECTRICAL DEMOLITION WORK

CONSULTANT

DIVISION OF THE STATE ARCHITECT

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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
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DATE 06-19-18

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ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JORDAN AMADOR C-20348 JANUARY 31, 2019 RENEWAL STATE OF CALIFORNIA

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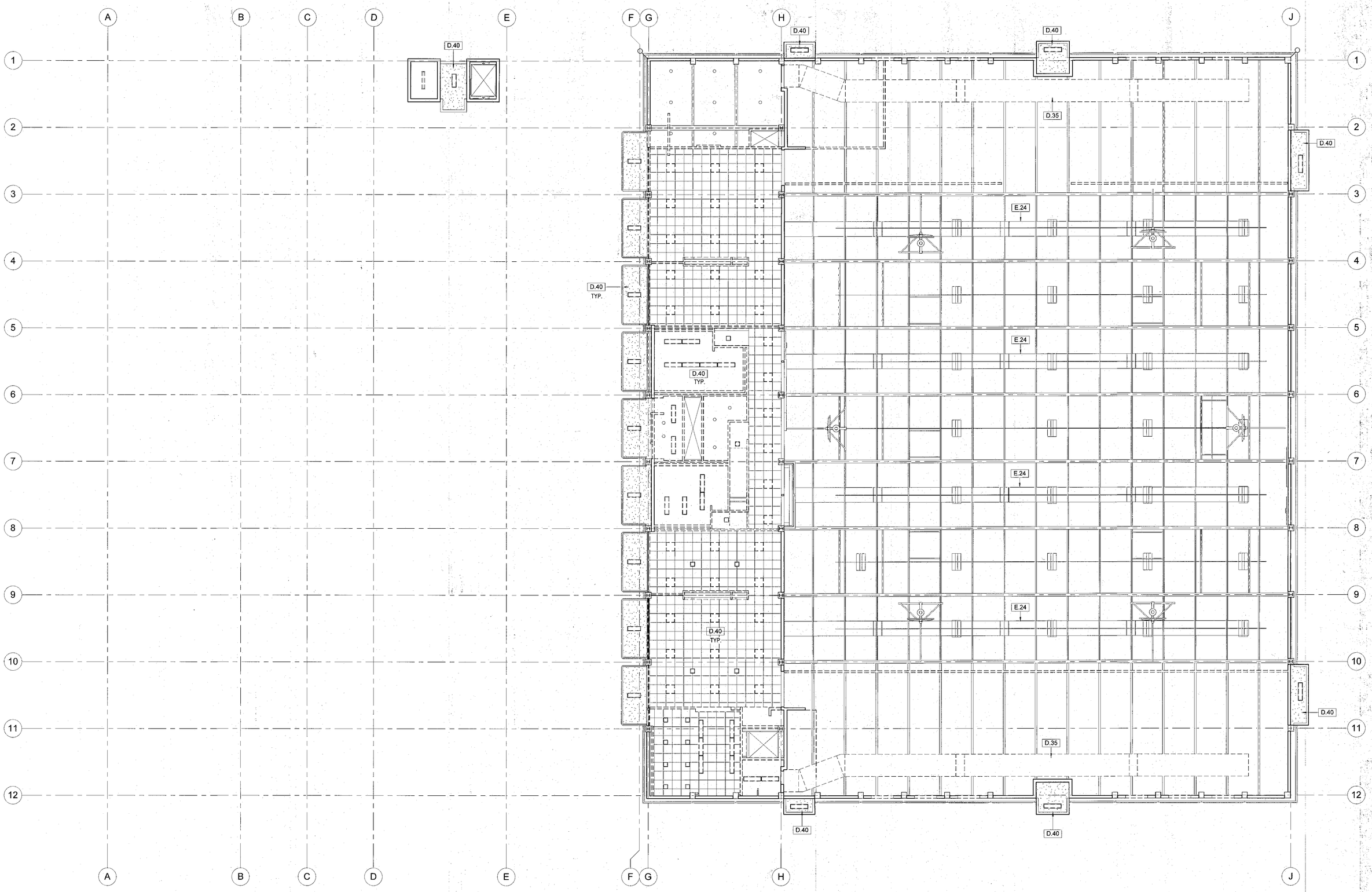
REVISIONS	DATE: 03/26/18
	DRAWN: RJF
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

FIRST FLOOR - DEMOLITION RCP

A0.04

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

__ OF __



1 SECOND FLOOR - DEMOLITION RCP
1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

EXISTING KEYNOTES E#

E.24 (E) DUCT TO REMAIN - SEE MECH DWGS

DEMOLITION KEYNOTES D#

D.35 DEMOLISH (E) DUCT - SEE MECH DWGS FOR SCOPE
D.40 DEMOLISH (E) CEILING AND LIGHT FIXTURES

CEILING LEGEND - DEMOLITION

- TO BE DEMOLISHED
- (E) 2' X 2' LAY-IN CEILING TO BE DEMOLISHED U.N.O.
- (E) CEMENT PLASTER CEILING TO BE DEMOLISHED U.N.O.
- (E) DRYWALL CEILING TO BE DEMOLISHED U.N.O.
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) RECESSED DOWN LIGHT TO BE DEMOLISHED

GENERAL NOTES - DEMOLITION RCP

1. EXECUTE ALL DEMOLITION REQUIRED FOR COMPLETION OF THE WORK. KEEP BUILDING CLEAN AND UNOBSTRUCTED. COORDINATE WORK WITH THE MPC PROJECT MANAGER
2. DEMOLISH ALL EXISTING CEILINGS, LIGHT FIXTURES, EXIT SIGNS MECHANICAL REGISTERS ETC., UNLESS NOTED OTHERWISE
3. REMOVE & REPLACE OR MODIFY ALL FIRE SPRINKLER PIPING & HEADS, SMOKE DETECTORS, FIRE ALARM HORNS & STROBES AS SHOWN IN THE FIRE PROTECTION AND FIRE ALARM PLANS
4. REMOVE OR RELOCATE EXISTING POWER, TELECOM, DATA ETC. ABOVE CEILINGS AS REQUIRED TO ACCOMODATE THE NEW IMPROVEMENTS
5. MAINTAIN FIRE RATING AT RATED FLOOR/CEILING AND WALL FIRE ASSEMBLIES. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR NEW RATED ASSEMBLY REQUIREMENTS
6. SEE MECHANICAL DRAWINGS FOR SCOPE OF MECHANICAL DEMOLITION WORK
7. SEE ELECTRICAL DRAWINGS FOR SCOPE OF ELECTRICAL DEMOLITION WORK

CONSULTANT

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM J. AMADOR C-20348 JANUARY 31, 2019 RENEWAL STATE OF CALIFORNIA

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REVISIONS	DATE: 03/26/18
	DRAWN: RJF
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

SECOND FLOOR - DEMOLITION RCP

A0.05 OF

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY



1 MECHANICAL MEZZANINE - DEMOLITION RCP

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

EXISTING KEYNOTES E#

E.24 (E) DUCT TO REMAIN - SEE MECH DWGS

DEMOLITION KEYNOTES D#

D.35 DEMOLISH (E) DUCT - SEE MECH DWGS FOR SCOPE

CEILING LEGEND - DEMOLITION

- TO BE DEMOLISHED
- (E) 2' X 4' LAY-IN CEILING TO BE DEMOLISHED U.N.O.
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) RECESSED DOWN LIGHT TO BE DEMOLISHED

GENERAL NOTES - DEMOLITION RCP

1. EXECUTE ALL DEMOLITION REQUIRED FOR COMPLETION OF THE WORK. KEEP BUILDING CLEAN AND UNOBSTRUCTED. COORDINATE WORK WITH THE MPC PROJECT MANAGER
2. DEMOLISH ALL EXISTING CEILINGS, LIGHT FIXTURES, EXIT SIGNS MECHANICAL REGISTERS ETC., UNLESS NOTED OTHERWISE
3. REMOVE & REPLACE OR MODIFY ALL FIRE SPRINKLER PIPING & HEADS, SMOKE DETECTORS, FIRE ALARM HORNS & STROBES AS SHOWN IN THE FIRE PROTECTION AND FIRE ALARM PLANS
4. REMOVE OR RELOCATE EXISTING POWER, TELECOM, DATA ETC. ABOVE CEILINGS AS REQUIRED TO ACCOMODATE THE NEW IMPROVEMENTS
5. MAINTAIN FIRE RATING AT RATED FLOOR/CEILING AND WALL FIRE ASSEMBLIES. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR NEW RATED ASSEMBLY REQUIREMENTS
6. SEE MECHANICAL DRAWINGS FOR SCOPE OF MECHANICAL DEMOLITION WORK
7. SEE ELECTRICAL DRAWINGS FOR SCOPE OF ELECTRICAL DEMOLITION WORK

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS ZH SS pp
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN AMADOR C-26348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 330-3538 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

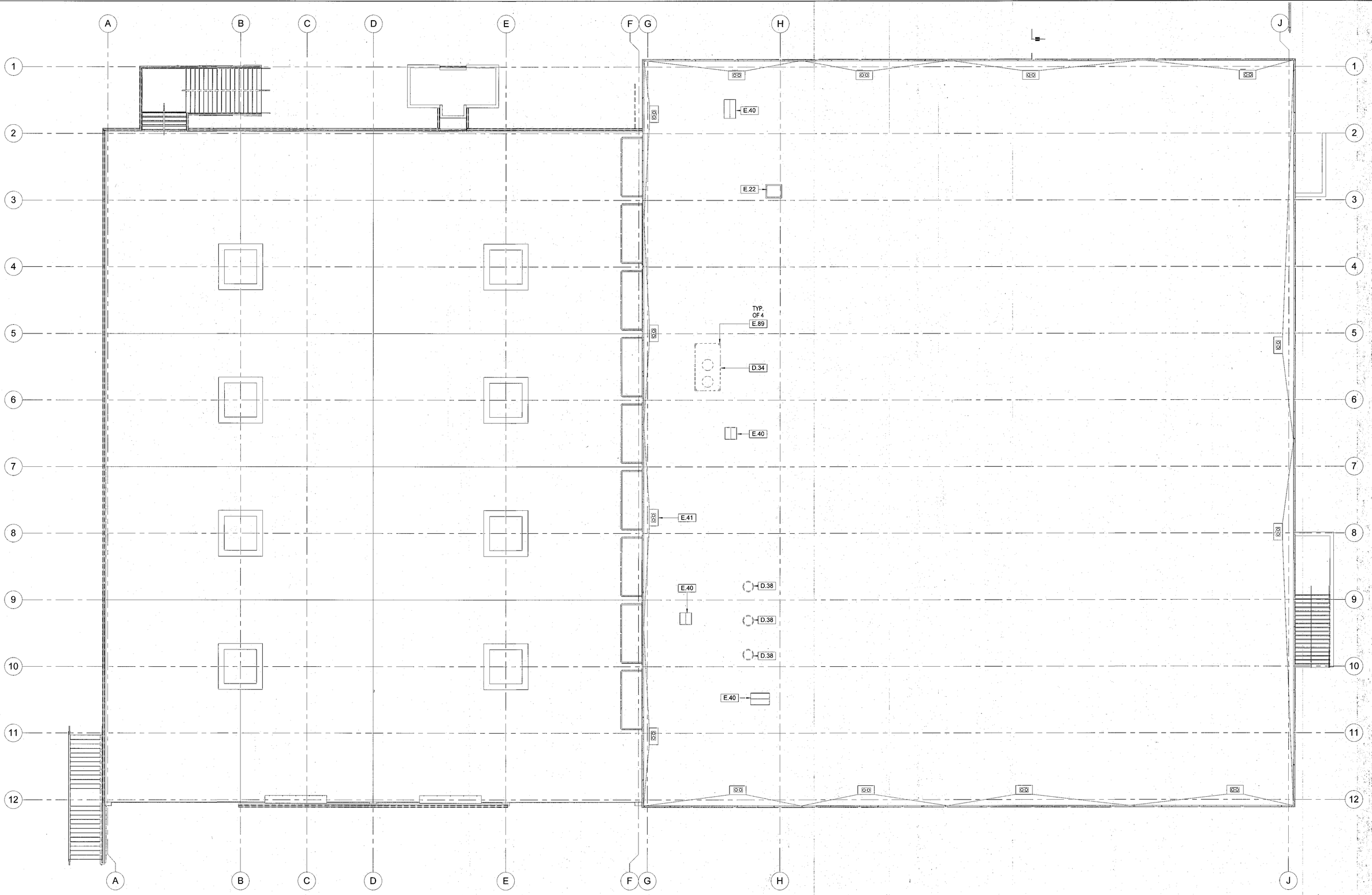
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

MECH MEZZANINE - DEMOLITION RCP

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A0.06

__ OF __



1 ROOF PLAN - DEMOLITION
1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

EXISTING KEYNOTES E#

E.22 (E) ROOF ACCESS HATCH TO REMAIN
E.40 (E) GALV. METAL ROOF VENT TO REMAIN
E.41 (E) ROOF DRIAN TO REMAIN (TYP.)
E.89 (E) 4" X 4" PIPE SUPPORT FOR CONDENSING UNIT TO REMAIN – NO NEW EQUIPMENT ATTACHMENT ALLOWED

DEMOLITION KEYNOTES D#

D.34 DEMOLISH (E) CONDENSING UNIT & SUPPORT FRAME - SEE MECH DWGS. REMOVE & SEAL ALL ASSOCIATED ROOF PENETRATIONS
D.38 DEMOLISH (E) EXHAUST FAN - SEE MECH DWGS.

GENERAL NOTES - DEMOLITION

1. ALL EXISTING FURNITURE, FIXTURES AND EQUIPMENT SHALL BE REMOVED AS REQUIRED TO ACCOMODATE THE NEW IMPROVEMENTS. COORDINATE REMOVAL WITH THE MPC PROJECT MANAGER.
2. EXECUTE ALL DEMOLITION REQUIRED FOR COMPLETION OF THE WORK. CONFORM WITH CBC/CFC CHAPTER 33 PROVISIONS.
3. SEE ENLARGED STAIR PLANS FOR SCOPE OF ASSOCIATED DEMOLITION WORK.
4. REMOVE & PROTECT ALL EXISTING URINALS, WATER CLOSETS AND FLUSH VALVES WHICH ARE TO BE CLEANED AND PREPARED FOR REUSE. SEE PLUMBING DRAWINGS FOR SCOPE OF PLUMBING DEMOLITION AND EXTENT OF NEW PLUMBING FIXTURES REQUIRED.
5. REMOVE OR RELOCATE EXISTING POWER, TELECOM, DATA ETC. AS REQUIRED TO ACCOMODATE THE NEW IMPROVEMENTS - SEE ELECTRICAL DRAWINGS FOR SCOPE OF ELECTRICAL DEMOLITION WORK.
6. SEE MECHANICAL PLANS FOR SCOPE OF MECHANICAL DEMOLITION WORK.
7. REMOVE EXISTING FLOOR AND WALL FINISHES. PATCH AS REQUIRED TO ACCOMMODATE NEW IMPROVEMENTS.
8. MAINTAIN FIRE RATING AT RATED FLOOR/CEILING AND WALL FIRE ASSEMBLIES PER CFC 701.3 - 703.1. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR NEW RATED ASSEMBLY REQUIREMENTS.
9. PATCH AND/OR REPAIR ANY DAMAGE TO (E) CONCRETE WALLS & COLUMNS, (E) DOORS & FRAMES, AND (E) TERRACE PAVERS AS NEEDED. MAINTAIN FIRE RATING PER CFC 701.3 - 703.1

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REVISIONS	DATE: 03/26/18
	DRAWN: RJF
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

ROOF PLAN - DEMOLITION

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A0.07
__ OF __

VENTURA COUNTY FIRE PROTECTION DISTRICT
BUREAU OF FIRE PREVENTION
165 Durley Avenue, Camarillo, CA 93010
Phone: (805) 389-9738 Web: www.ventura.org/fire

REQUIREMENTS FOR CONSTRUCTION – APPLICATION

Notice: Approval of this application expires 6 months from date of issuance, unless a building permit for this project has been applied for, in which case this approval expires at the date of building permit expiration.

FOR HYDRANT LOCATED AT NE CORNER OF GYMNASIUM BUILDING CIRCLED ON ATTACHMENT

Section I

Project Address: 7075 Campus Road, Building #3, Moorpark, CA 93021 (NUMBER / STREET / CITY / ZIP CODE)

APN 500 - 0 - 281 - 515 Tract No. ____ Lot No. ____ Planning No. ____

BUILDING DESCRIPTION: Sq. Ft. Proposed ____ Existing 54,411 No. of Stories 3

Use of Building Gymnasium Construction Type I-A

☐ Manufactured Home - (see instructions for important note)

Applicant Name Richard Fletcher — Owner Name John Sirutko, Dir. Facilities & Maint.

Address AWA Architects 28328 Agoura Rd. (STREET) — Address 7075 Campus Road, Building #3, (STREET)

Agoura Hills (CITY) 91301 (ZIP CODE) — Moorpark (CITY) 93021 (ZIP CODE)

Phone (805) 530-3938 — Phone (805)378-1454

When complete: ☒ Call for Pick up number: (805) 338-0944 or Mail to: ☐ Applicant, ☐ Owner

I certify that water and access for Fire Protection will be provided as specified in the Fire District's requirements.

SIGNATURE OF OWNER/APPLICANT Richard N. Fletcher

Section II

Fire flow shall not be less than ____ GPM @ 20 P.S.I. Fire Prevention (Initials) ____

(WATER SUPPLY TO BE FILLED OUT BY WATER PURVEYOR)

Static Head at Fire Hydrant 130 System is Designed for Normal Flow of 2,948 GPM @ 20 PSI

Size and Location of Main 8" AC in Parcel Distance from Parcel In Parcel

Nearest Fire Hydrant Location In Parcel Distance from Parcel In Parcel

Type Wet Barrel Size 6" No. of outlets 1 4" 1 2½"

Size of Reservoir Serving Fire Hydrant 1.5 mg College Reservoir

Other ____

VCWWD (CITY/WATER CO.) — (SIGNATURE) — 8/7/17 (DATE)

☐ Private water system proposed. Separate plan submittal required.

☐ Water Purveyor approves use of Private water system in their service area. (Purveyor signature required above)

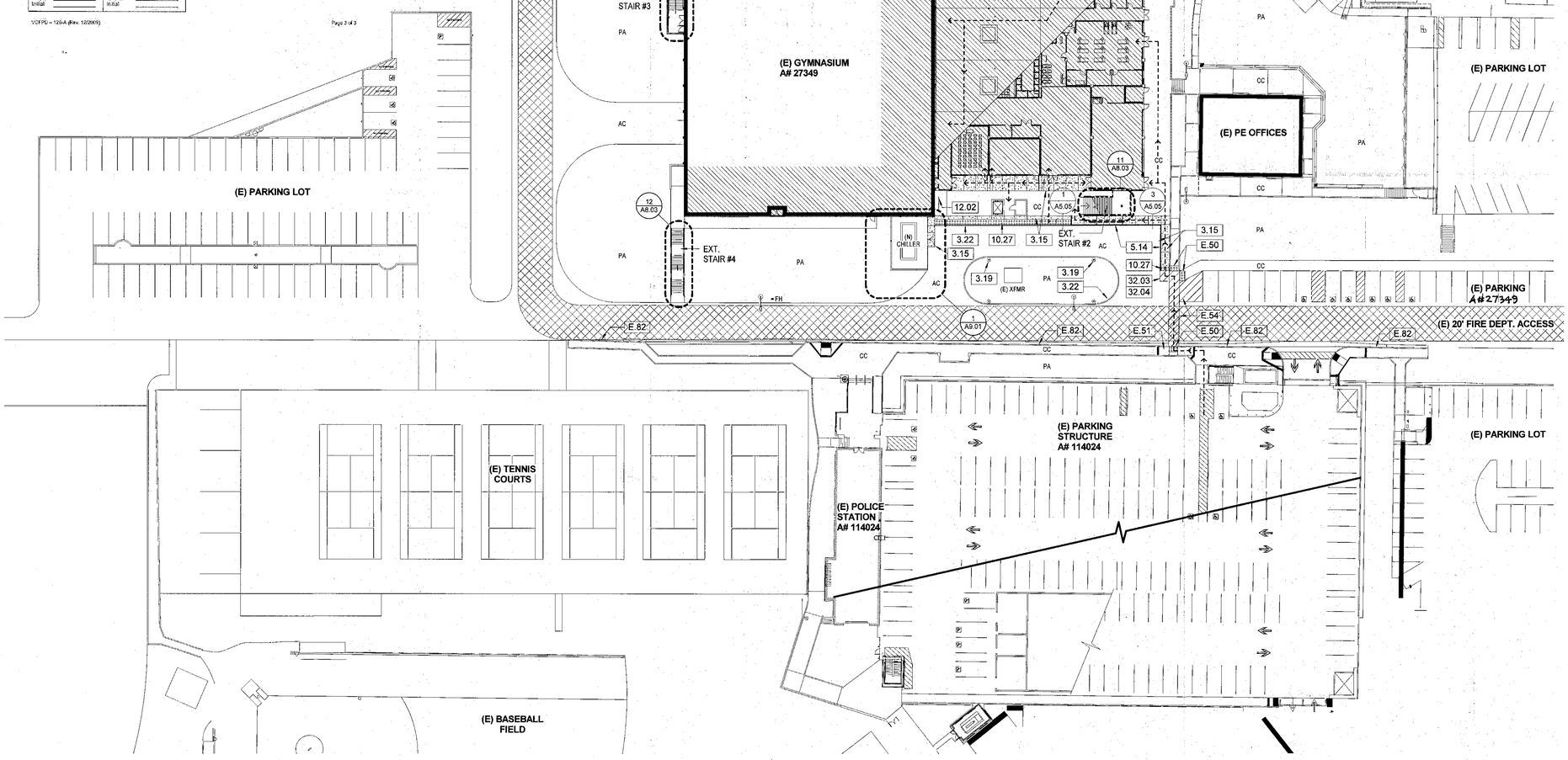
FOR OFFICIAL USE ONLY

FORM 126	WATER CO.
Date	Date
Amt.	Amt.
Receipt	Receipt
Check	Check
Initial	Initial

Fire District Case #:

FNC____ - ____

VCFPD – 126-A (Rev. 12/2009) Page 3 of 3



1 SITE PLAN - NEW CONSTRUCTION
1" = 30'-0"

DSA 810

LOCAL FIRE AUTHORITY REVIEW

To facilitate the Division of the State Architect's (DSA) approval of the Fire/Life Safety portion of a project, DSA requires Local Fire Authority (LFA) review of certain elements as identified in this form. Use of this form is mandatory for projects that add square footage to a campus or if any item on this form is relevant to the project. For additional information, see DSA 810 Instructions and DSA Policy 09-01.

PROJECT INFORMATION

School District/Owner: Ventura County Community College District

Project Name/School: Moorpark College Gymnasium Renovation

Project Address: 7075 Campus Road, Building #3, Moorpark, CA 93021

LOCAL FIRE AUTHORITY (LFA)

LFA Agency Name: Ventura County Fire Department

LFA Reviewer Name: Craig Arano Title: Fire Specialist

Email: craig.arano@ventura.org Telephone Number: 805-389-9744

I have reviewed and responded to the applicable items for this project as listed below.

***Note:** Only sign this form when it is imaged onto the site plan. A loose form is not acceptable to DSA.*

LFA Reviewer's Signature: ____ **Date:** 9/5/17

Review Key: "Y" = Complies with LFA requirements "N" = Not approved (complete Section 8)
"NA" = Not applicable to the project "NR" = LFA elects not to review

	Description	Y	N	NA	NR
1	Where an elevator does not meet medical emergency service cab size, per the California Building Code (CBC), use of stairways for emergency rescue and patient transport is acceptable.			X	
2	Access roads, fire lane markings, pavers and gate entrances are in accordance with Title 19, California Code of Regulations and the California Fire Code, Chapter 5.	X			
3	Fire hydrant location and distribution complies with the California Fire Code (or see # 4).	X			
4	Fire hydrant location and distribution complies with NFPA 1142, "Alternate Means." If "NR" is checked, DSA can only approve on-site water storage as an alternate. The signature of the school district official is required to acknowledge the use of alternate means. **Signature of School District Official:** ____ **Date:** ____ **Print the School District Official's Name:** ____				X
5	The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.	X			
6	The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.	X			
7	Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.) ☒ Yes ☐ No Check type if "Yes": ☐ Moderate ☐ High ☒ Very High ☐ WIFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)				
8	COMMENTS (note deficiencies): N/A				

DSA 810 (rev 05-12-14) DEPARTMENT OF GENERAL SERVICES Page 1 of 1
DIVISION OF THE STATE ARCHITECT STATE OF CALIFORNIA

DESIGN PROFESSIONAL RESPONSIBLE CHARGE STATEMENT

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTION OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

DSA CERTIFICATION INFORMATION

1. (E) GYMNASIUM BUILDING A# 27349 WAS CERTIFIED 08/21/1968
2. (E) GYMNASIUM BUILDING FIRE ALARM SYSTEM A# 110348 WAS LAST CERTIFIED 05/06/2016
3. (E) GYMNASIUM TELESCOPING BLEACHER SEATING A# 108889 WAS CERTIFIED 12/01/2016
4. (E) PARKING STRUCTURE A# 114024 WAS CERTIFIED 11/15/2016

GENERAL NOTES

1. SEE SHEET G0.04 FOR CODE ANALYSIS INFORMATION
2. ALL ITEMS SHOWN ARE EXISTING UNLESS NOTED AS NEW.
3. ALL FIRE ACCESS ROADS, ACCESS GATES, FIRE HYDRANTS AND FIRE FLOW ARE EXISTING TO REMAIN UNMODIFIED
4. REFER TO CIVIL PLANS FOR NEW CONCRETE SIDEWALK AND ASPHALT PAVING GRADES.
5. FOR WALKWAYS, THE SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT EXCEED 1:20 GRADIENT (5.0%) AND CROSS SLOPE SHALL NOT EXCEED 1:50 GRADIENT (2.0%), WITH A MINIMUM WIDTH OF FORTY EIGHT INCHES (48"). CBC 1133B.7.3 & 1133B.7.1.3

LEGEND

- ACCESSIBLE PATH OF TRAVEL- SEE GENERAL NOTE #5.
- BLDG — SCOPE OF WORK IN EXISTING BUILDING
- BLDG — EXISTING BUILDINGS NOT PART OF SCOPE OF WORK
- 20'-0" WIDE FIRE DEPT. ACCESS
- TRUNCATED DOMES MAT
- (N) CONCRETE SIDEWALK
- FH — EXISTING FIRE HYDRANT
- FDC — (N) FIRE DEPT. CONNECTION
- (E) STREET LIGHT
- (E) POLE LIGHT
- # — SIGNAGE NUMBER, SEE SIGNAGE SCHEDULE
- PA — PLANTER AREA
- CC — CEMENT CONCRETE
- AC — ASPHALT CONCRETE

EXISTING KEYNOTES E#

- E.50 (E) TACTILE WARNING TRUNCATED DOME MAT TO REMAIN
- E.51 (E) CURB RAMP
- E.52 (E) PEDESTRIAN RAMP TO ACADEMIC BUILDING
- E.53 (E) AREA DRAIN
- E.54 (E) 4" WIDE DIAGONAL STRIPNG IN WHITE PAINT AT 36" O.C.
- E.59 (E) LANDSCAPE IRRIGATION CONTROL VALVE ASSEMBLY TO REMAIN
- E.60 (E) GAS METER TO REMAIN
- E.61 (E) GAS PRESSURE REGULATOR TO REMAIN
- E.66 (E) DOMESTIC WATER CONTROL VALVE ASSEMBLY TO REMAIN
- E.82 (E) RED PAINTED CURB TO REMAIN
- E.83 (E) DOMESTIC WATER UNDERGROUND VAULT TO REMAIN

KEYNOTES

- 3.15 (N) CONCRETE SIDEWALK WITH CONTROL JOINTS WHERE INDICATED PER DETAIL 3/C5.00. SEE GENERAL NOTES 4 & 5 SHEET A1.00
- 3.19 (N) LIGHT POLE BASE & RELOCATED (E) POLE LIGHT- SEE STRUCTURAL
- 3.22 (N) 6" WIDE FLUSH SURFACE CONCRETE CURB - PAINT RED PER FIRE DEPT. REQUIREMENTS FOR NO PARKING
- 5.14 (N) METAL RAILING (GALVANIZED AND PAINTED) SEE DETAIL 3/A5.05
- 10.27 (N) TACTILE WARNING TRUNCATED DOME MAT - SEE DETAIL 1/A5.05
- 12.02 (N) GALV. & PAINTED STEEL BICYCLE RACK FOR 9 BIKES - DERO ROLLING RACK MODEL NO. RR4H OR EQUAL. ANCHOR TO CONC. PAVING WITH 4-3/8" Ø X 3" L. EXPANSION BOLTS THRU PLATE AT EA. END OF RACK STAINLESS STEEL
- 21.01 (N) FIRE SPRINKLER RISER - SEE FIRE SPRINKLER PLANS
- 21.02 (N) DDC ASSEMBLY - SEE FIRE SPRINKLER PLANS
- 21.03 (N) FDC W/BOLLARD EACH SIDE PER DETAIL 2/A5.05 WITHIN 150' OF (E) FIRE HYDRANT - SEE FIRE SPRINKLER PLANS
- 32.03 (N) 4" WIDE DIAGONAL STRIPING IN WHITE PAINT AT 36" O.C.
- 32.04 (N) 4" WIDE STRIPING IN WHITE PAINT

CONSULTANT

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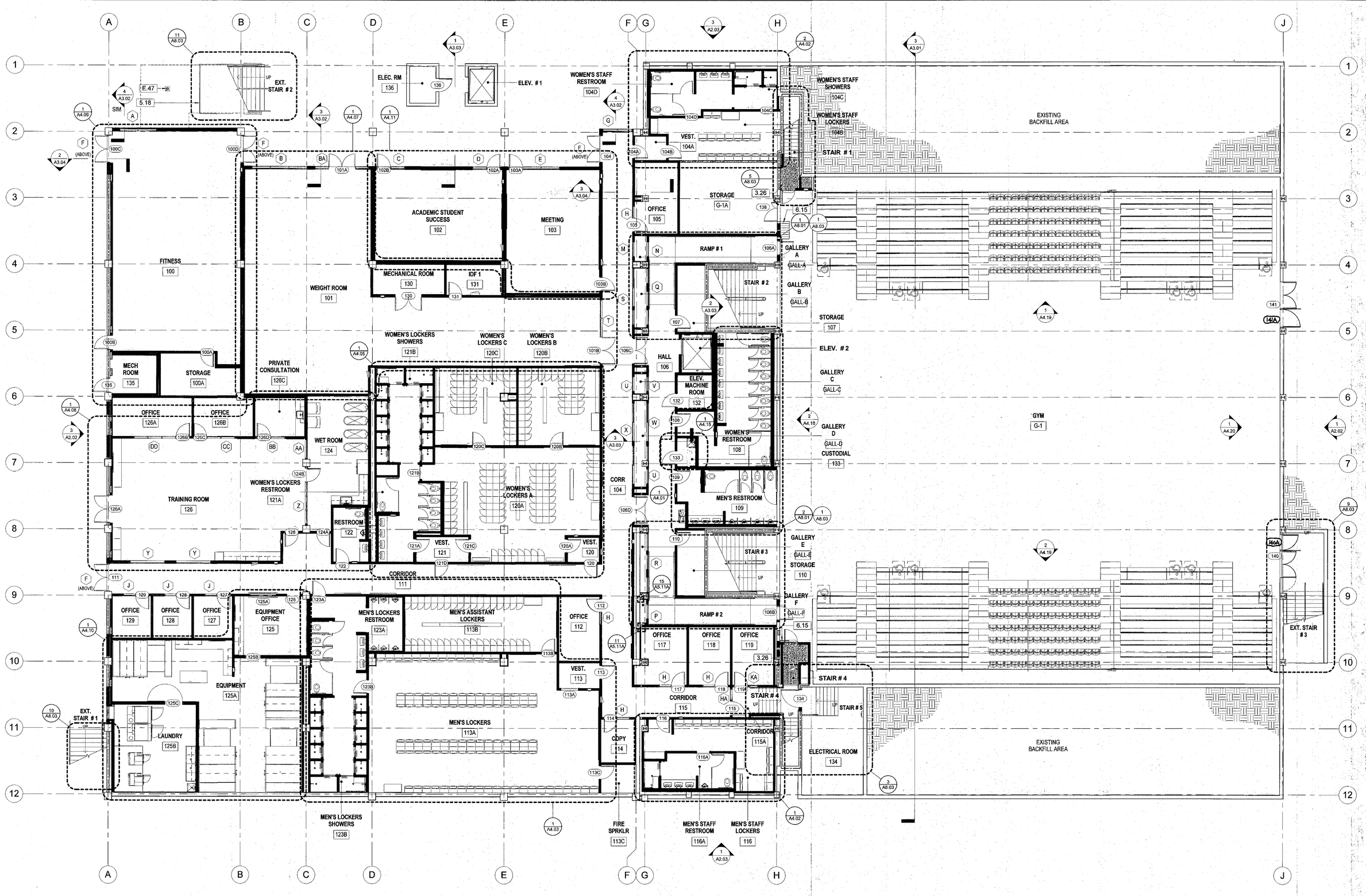
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REVISIONS	DATE: 03/26/18
	DRAWN: RJF
	CHECK: RJF/WJA
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SITE PLAN - NEW CONSTRUCTION — **A1.00** — ___ OF ___

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY



1 FIRST FLOOR - NEW CONSTRUCTION (REFERENCE PLAN)

1/8" = 1'-0"

NORTH

0' 8' 16' 32' 64'

EXISTING KEYNOTES E#

E.47 (E) 5" x 5" x 1/4" STAIR SUPPORT STEEL TUBE COLUMN TO REMAIN

KEYNOTES

3.26 (N) CONCRETE SLAB INFILL TO MATCH HEIGHT OF (E) GYM WOOD FLOOR - SEE 58/S2.04

5.18 (N) 1 1/4" DIAM. EXTRA STRONG STEEL RAILING (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS

6.15 (N) WOOD FLOORING TO MATCH ADJACENT (E) WOOD FLOORING

LEGEND

- (E) 1HR PARTITION, 8" CONCRETE OR GYPSUM PLASTER ON METAL STUDS
- (N) 1HR PARTITION, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
- (N) 2-HR SHAFT, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
- EXISTING STUD WALL TO REMAIN
- EXISTING CONCRETE WALL TO REMAIN
- NEW STUD WALL
- (N) CONCRETE CONSTRUCTION, SEE STRUCTURAL
- DOOR REFERENCE - SEE DOOR SCHEDULE A6.01
- WINDOW TYPE - SEE WINDOW SCHEDULE A6.02
- (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET SEE DETAIL 2/A5.04A
- (N) RECESSED ELECTRICAL PANEL
- (N) SURFACE MOUNTED ELECTRICAL PANEL

GENERAL NOTES

1. MINIMUM MANUEVERING CLEARANCES AT DOORS SHALL BE LEVEL AND CLEAR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF THE DOOR SWING OF AT LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION. CBC 11B-404.2.4.
2. DOOR JAMBS AT CORNERS OF ROOMS SHALL BE 6" MIN. FROM WALL INSIDE CORNER U.N.O.
3. PROVIDE WALL CORNER GUARDS AT EVERY OUTSIDE CORNER INSIDE BUILDING PER DETAIL 2/A5.04
4. PROVIDE IMPACT RESISTANT GYMSUM BOARD THROUGHOUT CORRIDORS AND HALLWAYS AND FOR GYM SIDE OF VESTIBULE AT STAIR #4
5. FOR EXTERIOR WALL INSULATION, SEE SHEET A5.06
6. PROVIDE SOUND INSULATION FOR INTERIOR WALLS THROUGHOUT U.N.O. SEE SHEET A5.06
7. SEE STRUCTURAL SHEETS S1.01 & S1.02 FOR EXTENT OF NEW SLAB DEPRESSIONS & CONCRETE CURBS
8. SEE SHEETS A8.03 & A6.04 FOR EXTENT OF NEW NON-STRUCTURAL CONCRETE TOPPING SLABS
9. ALL FURNITURE PROVIDED BY OWNER (N.I.C)
10. SEE PLUMBING SHEETS P3.00, P3.01, P3.02 & P3.03 FOR FLOOR DRAINS
11. FOR PIPE PENETRATION THRU RATED WALLS & FLOORS, SEE DETAILS ON SHEET A5.15B AND 26/A5.07

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSE AMADOR STATE OF CALIFORNIA © 20349 JANUARY 31, 2019 RENEWAL DATE

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REVISIONS

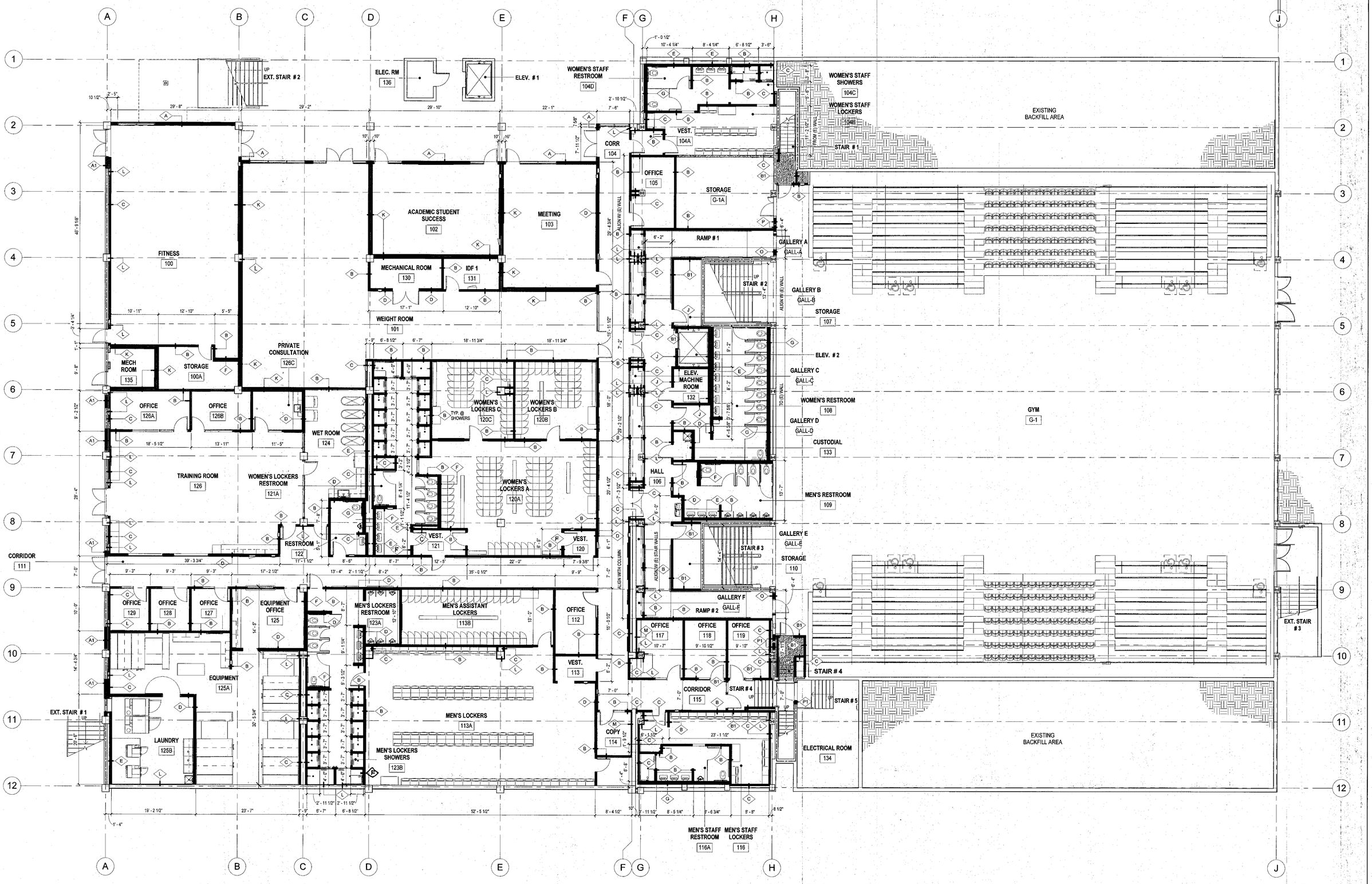
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FIRST FLOOR - NEW CONSTRUCTION REFERENCE PLAN

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A1.01A

___ OF ___



1 FIRST FLOOR - NEW CONSTRUCTION (DIMENSION PLAN)

1/8" = 1'-0"

NORTH

0' 8' 16' 32' 64'

LEGEND

- (E) 1HR PARTITION, 6" CONCRETE OR GYPSUM PLASTER ON METAL STUDS
- (N) 1HR PARTITION, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
- (N) 2-HR SHAFT, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
- EXISTING STUD WALL TO REMAIN
- EXISTING CONCRETE WALL TO REMAIN
- NEW STUD WALL
- (N) CONCRETE CONSTRUCTION, SEE STRUCTURAL
- (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET SEE DETAIL 2/A5.04A
- (N) RECESSED ELECTRICAL PANEL
- (N) SURFACE MOUNTED ELECTRICAL PANEL
- WALL TYPE - SEE SHEET A5.06

GENERAL NOTES

1. MINIMUM MANUEVERING CLEARANCES AT DOORS SHALL BE LEVEL AND CLEAR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF THE DOOR SWING OF AT LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION. CBC 11B-404.2.4.
2. DOOR JAMBS AT CORNERS OF ROOMS SHALL BE 6" MIN. FROM WALL INSIDE CORNER U.N.O.
3. PROVIDE WALL CORNER GUARDS AT EVERY OUTSIDE CORNER INSIDE BUILDING PER DETAIL 2/A5.04
4. PROVIDE IMPACT RESISTANT GYMSUM BOARD THROUGHOUT CORRIDORS AND HALLWAYS AND FOR GYM SIDE OF VESTIBULE AT STAIR #4
5. FOR EXTERIOR WALL INSULATION, SEE SHEET A5.06
6. PROVIDE SOUND INSULATION FOR INTERIOR WALLS THROUGHOUT U.N.O. SEE SHEET A5.06
7. SEE STRUCTURAL SHEETS S1.01 & S1.02 FOR EXTENT OF NEW SLAB DEPRESSIONS & CONCRETE CURBS
8. SEE SHEETS A6.03 & A6.04 FOR EXTENT OF NEW NON-STRUCTURAL CONCRETE TOPPING SLABS
9. ALL FURNITURE PROVIDED BY OWNER (N.I.C)
10. THE FOLLOWING ROOMS OR DEMISING CONSTRUCTIONS ARE DESIGNATED AIRTIGHT: WALL TYPES B, C, D, J AND K. SEE SHEET A5.07 FOR AIRTIGHT DETAILS
11. FOR PIPE PENETRATION THRU RATED WALLS & FLOORS, SEE DETAILS ON SHEET A5.15B AND 26/A5.07

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM T. JOOS C-20349 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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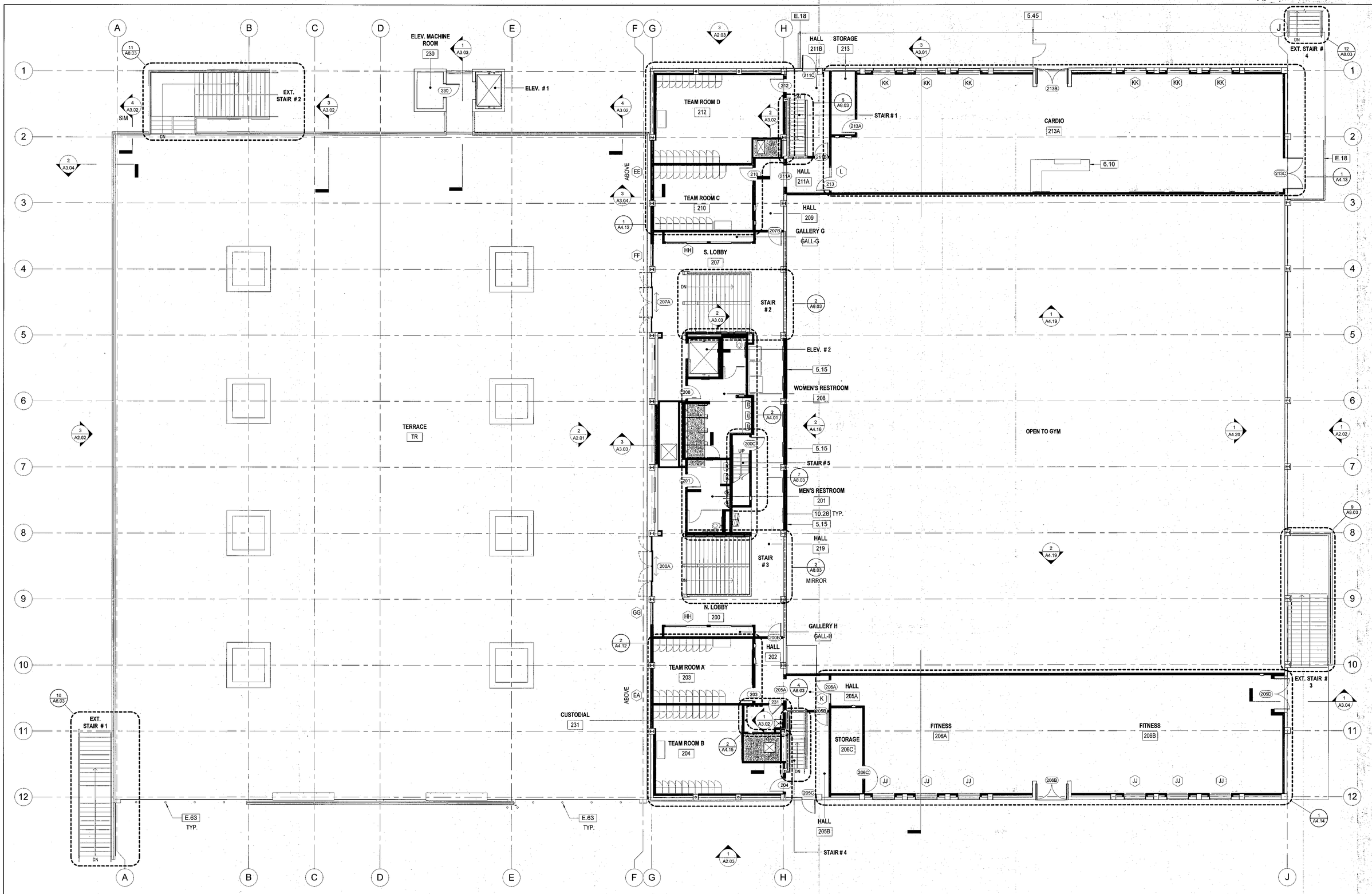
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	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

FIRST FLOOR - NEW CONSTRUCTION DIMENSION PLAN

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A1.01B

__ OF __



1 SECOND FLOOR - NEW CONSTRUCTION (REFERENCE PLAN)

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

EXISTING KEYNOTES E#

E.18 (E) RAILING TO REMAIN

E.63 (E) BOLLARD TO REMAIN

KEYNOTES

5.15 (N) SURFACE MOUNTED PERFORATED METAL IMAGE SCREEN - SEE DETAIL 7/A5.02

5.45 (N) (GALVANIZED AND PAINTED) STEEL RAILING WITH ONE-WAY GATE - SEE DETAIL 13/A5.04C

6.10 (N) CASEWORK - COUNTER AND CABINETS - SEE SHEETS A5.12 & A5.13

10.28 (N) DISPLAY CASE (SURFACE MOUNTED), FOR MOUNTING DETAIL SEE 4/A5.04A

LEGEND

- (E) 1HR PARTITION, 8" CONCRETE OR GYPSUM PLASTER ON METAL STUDS
- (N) 1HR PARTITION, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
- (N) 2-HR SHAFT, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
- EXISTING STUD WALL TO REMAIN
- EXISTING CONCRETE WALL TO REMAIN
- NEW STUD WALL
- (N) CONCRETE CONSTRUCTION, SEE STRUCTURAL
- DOOR REFERENCE - SEE DOOR SCHEDULE A6.01
- WINDOW TYPE - SEE WINDOW SCHEDULE A6.02
- (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET SEE DETAIL 2/A5.04A
- (N) RECESSED ELECTRICAL PANEL
- (N) SURFACE MOUNTED ELECTRICAL PANEL

GENERAL NOTES

1. MINIMUM MANUEVERING CLEARANCES AT DOORS SHALL BE LEVEL AND CLEAR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF THE DOOR SWING OF AT LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION. CBC 11B-404.2.4.
2. DOOR JAMBS AT CORNERS OF ROOMS SHALL BE 6" MIN. FROM WALL INSIDE CORNER U.N.O.
3. PROVIDE WALL CORNER GUARDS AT EVERY OUTSIDE CORNER INSIDE BUILDING PER DETAIL 2/A5.04
4. PROVIDE IMPACT RESISTANT GYMSUM BOARD THROUGHOUT CORRIDORS AND HALLWAYS AND FOR GYM SIDE OF VESTIBULE AT STAIR #4
5. FOR EXTERIOR WALL INSULATION, SEE SHEET A5.06
6. PROVIDE SOUND INSULATION FOR INTERIOR WALLS THROUGHOUT U.N.O. SEE SHEET A5.06
7. SEE STRUCTURAL SHEETS S1.01 & S1.02 FOR EXTENT OF NEW SLAB DEPRESSIONS & CONCRETE CURBS
8. SEE SHEETS A6.03 & A6.04 FOR EXTENT OF NEW NON-STRUCTURAL CONCRETE TOPPING SLABS
9. ALL FURNITURE PROVIDED BY OWNER (N.I.C)
10. SEE PLUMBING SHEETS P3.00, P3.01, P3.02 & P3.03 FOR FLOOR DRAINS
11. FOR PIPE PENETRATION THRU RATED WALLS & FLOORS, SEE DETAILS ON SHEET A5.15B AND 26/A5.07

CONSULTANT

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ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM J. AMADOR JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28326 AGOURA ROAD, SUITE 203
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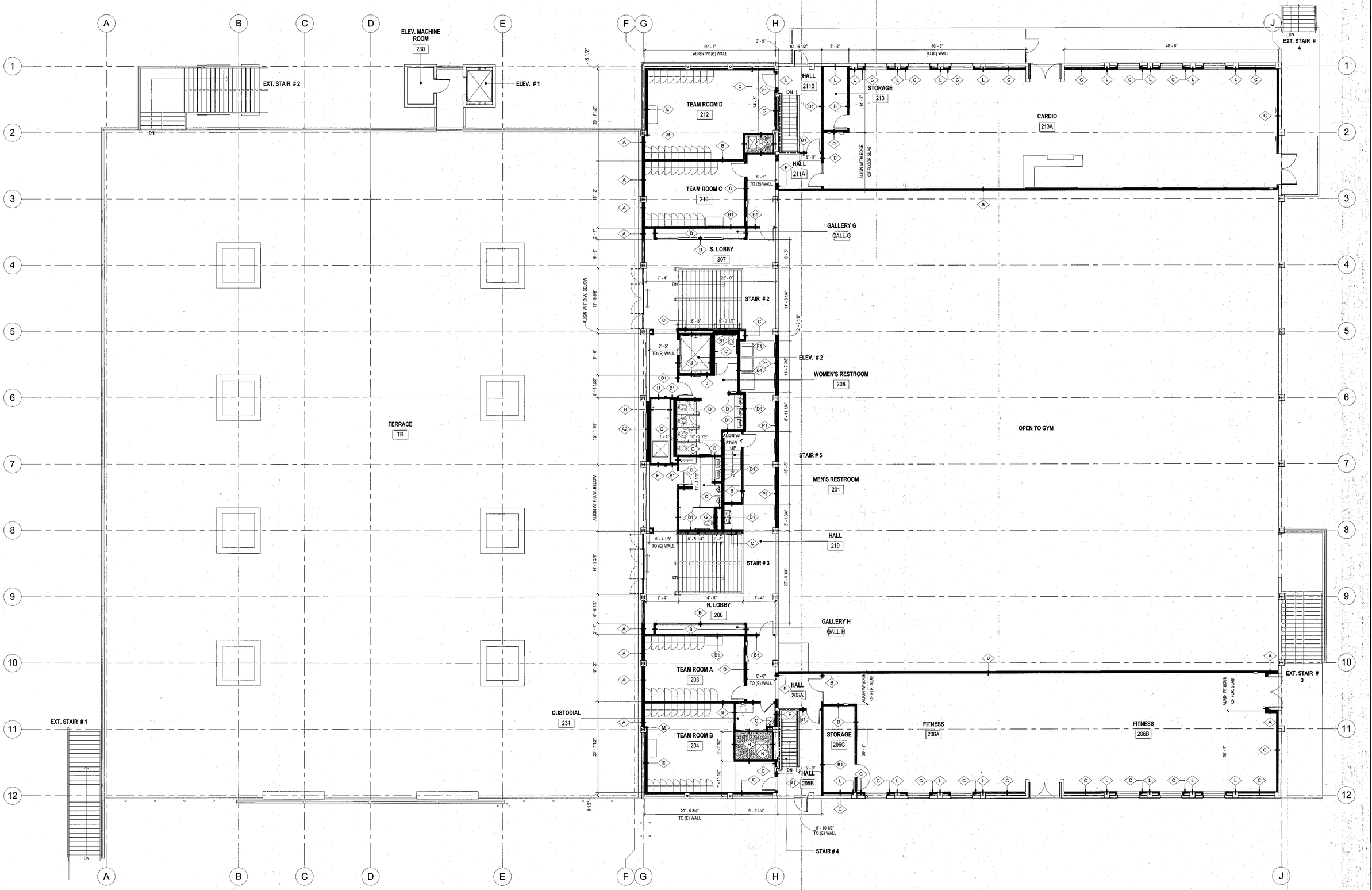
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SECOND FLOOR - NEW CONSTRUCTION REFERENCE PLAN

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A1.02A

SHEET ___ OF ___



1 SECOND FLOOR - NEW CONSTRUCTION (DIMENSION PLAN)
1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

LEGEND

- (E) 1HR PARTITION, 8" CONCRETE OR GYPSUM PLASTER ON METAL STUDS
- (N) 1HR PARTITION, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
- (N) 2-HR SHAFT, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
- EXISTING STUD WALL TO REMAIN
- EXISTING CONCRETE WALL TO REMAIN
- NEW STUD WALL
- (N) CONCRETE CONSTRUCTION, SEE STRUCTURAL
- (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET SEE DETAIL 2/A5.04A
- (N) RECESSED ELECTRICAL PANEL
- (N) SURFACE MOUNTED ELECTRICAL PANEL
- WALL TYPE - SEE SHEET A5.06

GENERAL NOTES

1. MINIMUM MANUEVERING CLEARANCES AT DOORS SHALL BE LEVEL AND CLEAR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF THE DOOR SWING OF AT LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION. CBC 11B-404.2.4.
2. DOOR JAMBS AT CORNERS OF ROOMS SHALL BE 6" MIN. FROM WALL INSIDE CORNER U.N.O.
3. PROVIDE WALL CORNER GUARDS AT EVERY OUTSIDE CORNER INSIDE BUILDING PER DETAIL 2/A5.04
4. PROVIDE IMPACT RESISTANT GYMSUM BOARD THROUGHOUT CORRIDORS AND HALLWAYS AND FOR GYM SIDE OF VESTIBULE AT STAIR #4
5. FOR EXTERIOR WALL INSULATION, SEE SHEET A5.06
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9. ALL FURNITURE PROVIDED BY OWNER (N.I.C)
10. THE FOLLOWING ROOMS OR DEMISING CONSTRUCTIONS ARE DESIGNATED AIRTIGHT: WALL TYPES B, C, D, J AND K. SEE SHEET A5.07 FOR AIRTIGHT DETAILS
11. FOR PIPE PENETRATION THRU RATED WALLS & FLOORS, SEE DETAILS ON SHEET A5.15B AND 26/A5.07

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM RYAN AMADOR C 23248 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

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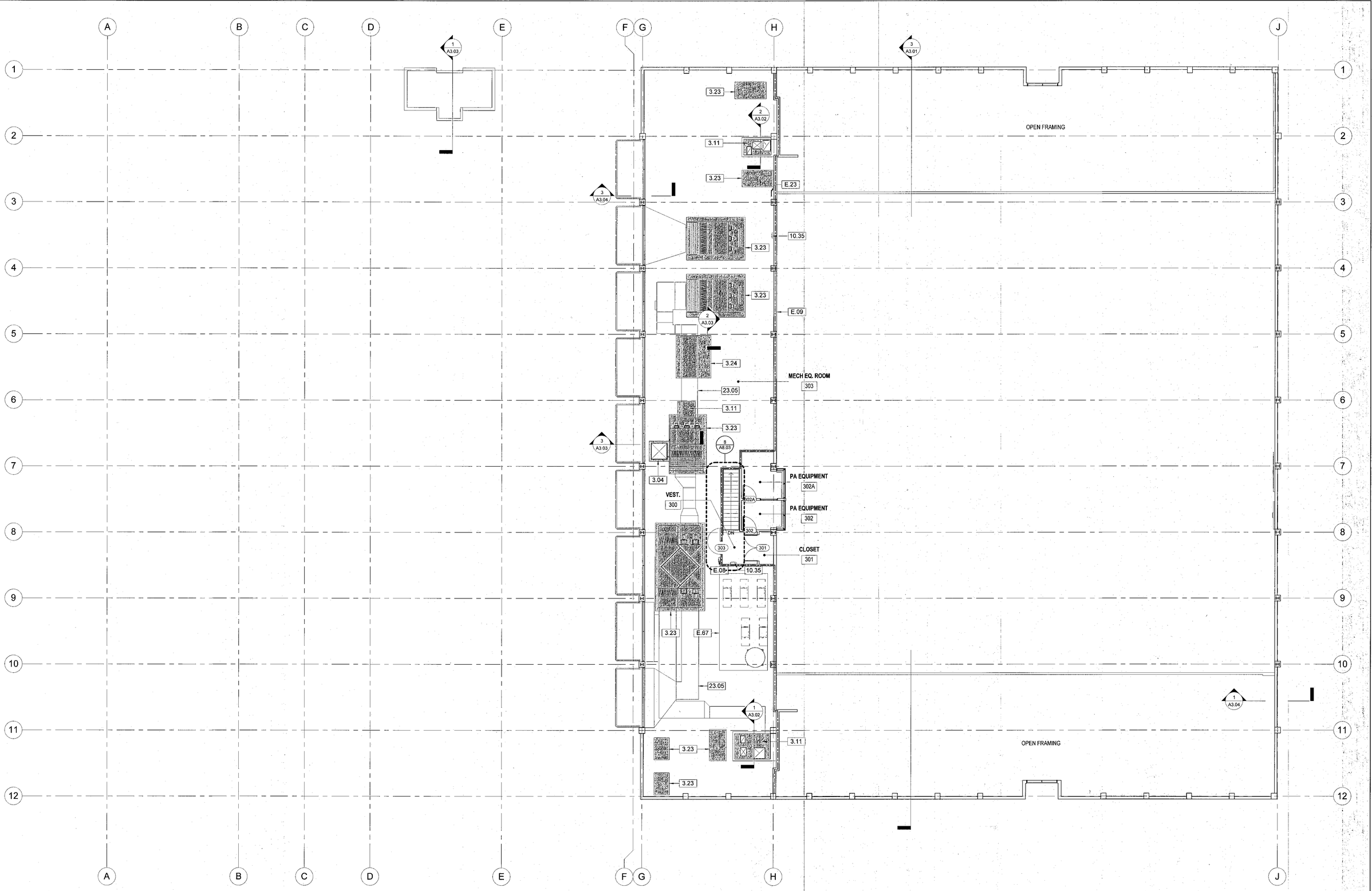
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SECOND FLOOR - NEW CONSTRUCTION DIMENSION PLAN

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A1.02B

__ OF __



1 MECHANICAL MEZZANINE - NEW CONSTRUCTION

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

EXISTING KEYNOTES E#

- E.08 (E) FIRE EXTINGUISHER TO REMAIN
- E.09 (E) CONCRETE WALL
- E.23 (E) ROOF ACCESS LADDER TO REMAIN (2ND EXIT FROM MECHANICAL ROOM)
- E.67 (E) CONCRETE HOUSEKEEPING PAD TO REMAIN

KEYNOTES

- 3.04 (N) CONCRETE CURB - SEE 23/S0.11
- 3.11 (N) CONCRETE FLOOR INFILL (2HR RATED PER CBC TABLE 721.1(3) ITEM 1-1.1) - SEE STRUCTURAL DETAIL 55/S2.04
- 3.23 (N) CONCRETE HOUSEKEEPING PAD - SEE STRUCT. DETAILS 37, 38 & 41/S2.03
- 3.24 (N) CONCRETE ELEVATOR PENTHOUSE (2HR RATED PER CBC TABLE 721.1(3) ITEM # 1-1.1) - SEE STRUCT. 30/S2.02
- 10.35 (N) SURFACE MOUNTED FIRE EXTINGUISHER CABINET MOUNTED 48" A.F.F. TO HANDLE - PAINT TRIM TO MATCH ADJACENT WALL
- 23.05 (N) DUCTWORK, FOR SUPPORT DETAILS SEE MECHANICAL DETAILS 2, 3, 4, 5 & 6/M503

LEGEND

- EXISTING STUD WALL TO REMAIN
- EXISTING CONCRETE WALL TO REMAIN
- (E) 1HR PARTITION, 6" CONCRETE OR GYPSUM PLASTER ON METAL STUDS
- (N) CONCRETE CONSTRUCTION, SEE STRUCTURAL

GENERAL NOTES

1. MINIMUM MANUEVERING CLEARANCES AT DOORS SHALL BE LEVEL AND CLEAR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF THE DOOR SWING OF AT LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION. CBC 11B-404.2.4.
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5. FOR EXTERIOR WALL INSULATION, SEE SHEET A5.06
6. PROVIDE SOUND INSULATION FOR INTERIOR WALLS THROUGHOUT U.N.O. SEE SHEET A5.06
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11. FOR PIPE PENETRATION THRU RATED WALLS & FLOORS, SEE DETAILS ON SHEET A5.15B AND 26/A5.07

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH AMADOR C-20349 JANUARY 31, 2020 STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
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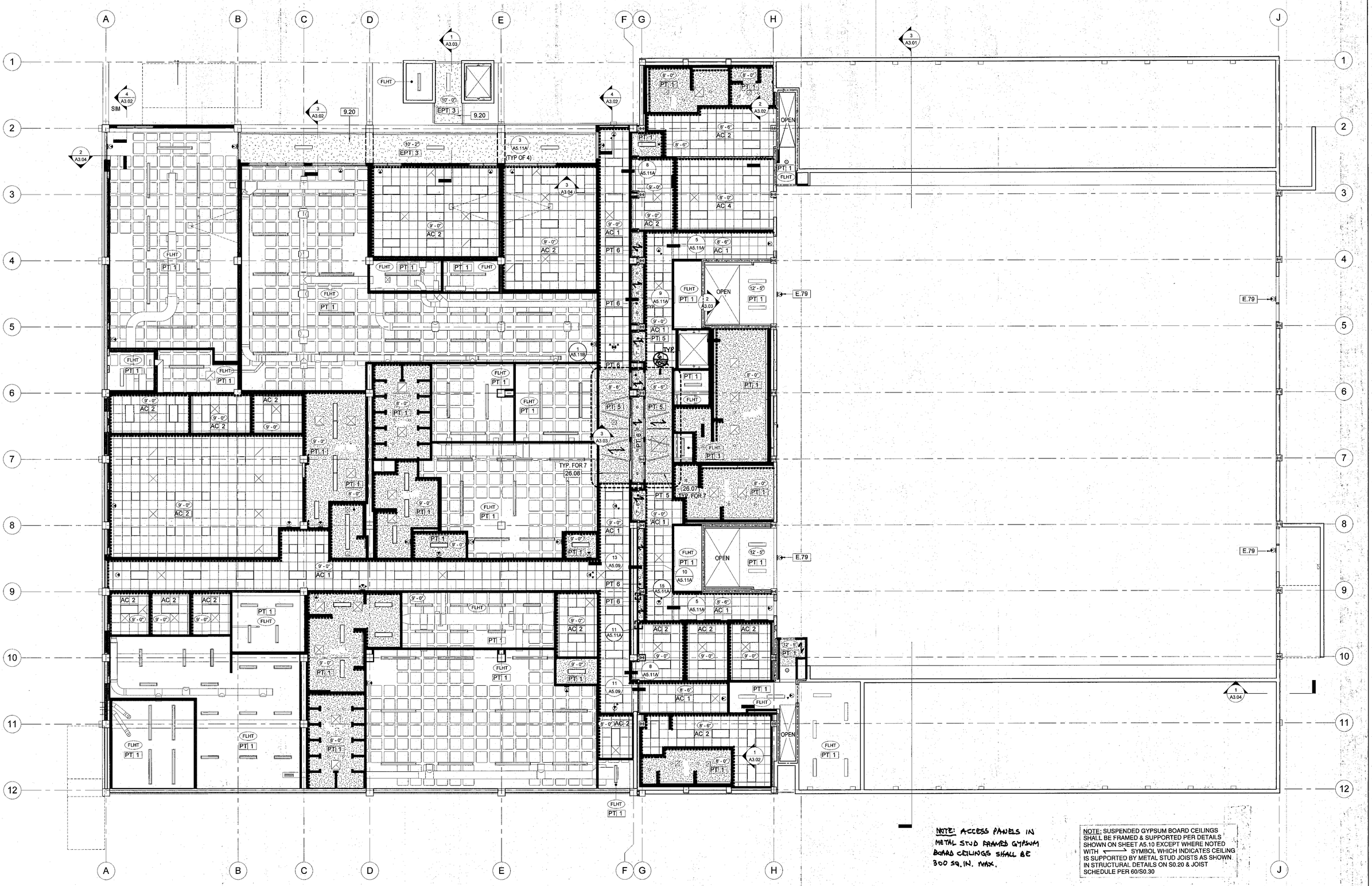
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MECHANICAL MEZZANINE - NEW CONSTRUCTION

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A1.03

___ OF ___



1 FIRST FLOOR - NEW RCP

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

EXISTING KEYNOTES E#

E.79 (E) EXIT SIGN TO REMAIN

KEYNOTES

9.20 (N) CEMENT PLASTER CEILING ON METAL STUD FRAMING
26.07 (N) LINEAR RECESSED LIGHT FIXTURE, 5FT LENGTH - SEE ELECTRICAL
26.08 (N) LINEAR RECESSED LIGHT FIXTURE, 6FT LENGTH - SEE ELECTRICAL

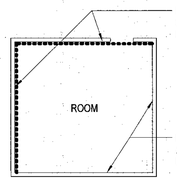
WALL LEGEND

(E) 1HR PARTITION, 8" CONCRETE OR GYPSUM PLASTER ON METAL STUDS

(N) 1HR PARTITION, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE

(N) 2-HR SHAFT, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE

CEILING EDGE LEGEND



FIXED END (ATTACHED JOINT) OF SUSPENDED CEILING AT NORTH AND WEST SIDE OF EACH ROOM UNLESS NOTED OTHERWISE

2A&2B / A5.10 FOR SUSPENDED 5/8" GYPSUM BOARD

6A / A5.08B FOR SUSPENDED ACOUSTICAL TILES

FREE END (FREE JOINT) OF SUSPENDED CEILING AT SOUTH AND EAST SIDE OF EACH ROOM UNLESS NOTED OTHERWISE

2C&2D / A5.10 FOR SUSPENDED 5/8" GYPSUM BOARD

6B / A5.08B FOR SUSPENDED ACOUSTICAL TILES

CEILING LEGEND

(E) CONCRETE WAFFLE SLAB CEILING

(N) 2' X 2' LAY-IN CEILING

(N) GYPSUM BOARD CEILING

(N) CEMENT PLASTER CEILING

(N) SUPPLY DIFFUSER

(N) RETURN AIR DIFFUSER

(N) EXHAUST REGISTER

CEILING SEISMIC JOINT SEE SHEET A5.11A

WALL SEISMIC JOINT SEE SHEET A5.11A

1'-0" CEILING HEIGHT

FLHT FULL HEIGHT (NO CLG)

OR

(N) RECESSED LIGHT FIXTURE 24" x 48"

(N) RECESSED LIGHT FIXTURE 24" x 24"

(N) PENDANT MOUNTED LIGHT FIXTURE 12" x 48"

(N) SURFACE MOUNTED LIGHT FIXTURE

(N) WALL MOUNTED LIGHT FIXTURE

(N) SURFACE MOUNTED LIGHT FIXTURE

(N) RECESSED DOWN LIGHT

(N) OCCUPANCY SENSOR

(N) CEILING MOUNTED EXIT SIGN

(N) WALL MOUNTED EXIT SIGN

(N) CEILING MOUNTED PROJECTOR - SEE 2/A5.11A

(N) RECESSED LIGHT FIXTURE 12" x 48"

(N) RECESSED LIGHT FIXTURE 12" x 96"

(N) PENDANT MOUNTED LIGHT FIXTURE 12" x 96"

(N) RECESSED LINEAR LIGHT FIXTURE 2" x 48", 2" x 60", 2" x 72", 2" x 96"

(E) PENDANT MOUNTED LED LIGHT FIXTURE TO REMAIN

(N) RECESSED COVE PERIMETER LINEAR LIGHT FIXTURE 4 1/4" x 36", 4 1/4" x 48", 4 1/4" x 60", 4 1/4" x 72", 4 1/4" x 96"

INDICATES CEILING JOIST SPAN DIRECTION

GENERAL NOTES:

1. SEE SHEETS A5.08A, A5.08B, A5.09, A5.10 & A5.11A FOR GENERAL CEILING NOTES AND CEILING INSTALLATION DETAILS.
2. PROVIDE A MAX. SIZE 16" SQ. ACCESS PANEL IN ALL HARD-LID CEILINGS FOR ACCESS TO FIRE SMOKE DAMPERS AND OTHER UTILITIES ABOVE THE CEILINGS REQUIRING ACCESS FOR MAINTENANCE. FOR 1ST FLOOR ACCESS PANEL LOCATIONS SEE MECHANICAL SHEETS.
3. PROVIDE EXIT SIGNS PER SECTION 1013.1.
   A.) EXIT SIGNS SHALL BE LOCATED AS NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL.
   B.) EXIT SIGNS SHALL BE READILY VISIBLE FROM ANY DIRECTION OF APPROACH.
4. VERIFY WITH ARCHITECT THE INTENDED CONSTRUCTION CONTINUITY OF THE ONE-HOUR ENVELOPE ABOVE THE CEILINGS AS REQUIRED BY CODE AND AS OUTLINED IN THESE PLANS.
5. FOR GWB ON CEILING JOISTS, REFER TO 60/S0.30 FOR CEILING JOIST SCHEDULE.
6. FOR PIPE PENETRATION THRU RATED WALLS & FLOORS, SEE DETAILS ON SHEET A5.15B & 26/A5.07.
7. CEILINGS AT GALLERIES 'A' THROUGH 'H', SHALL HAVE A HEIGHT OF 8'-6" A.F.F.
8. INSTALL (N) 3HR CEMENTITIOUS FIREPROOFING PER DETAIL 2E/A5.06 ON ALL STEEL BEAMS SUPPORTING SECOND & MEZZANINE FLOORS TO REPLACE FIREPROOFING REMOVED PER HAZARDOUS MATERIALS NOTE ON SHEET G0.01. SEE SHEETS S1.02 & S1.03 FOR EXTENT OF STEEL BEAMS.

CONSULTANT

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH FISHER JR. C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

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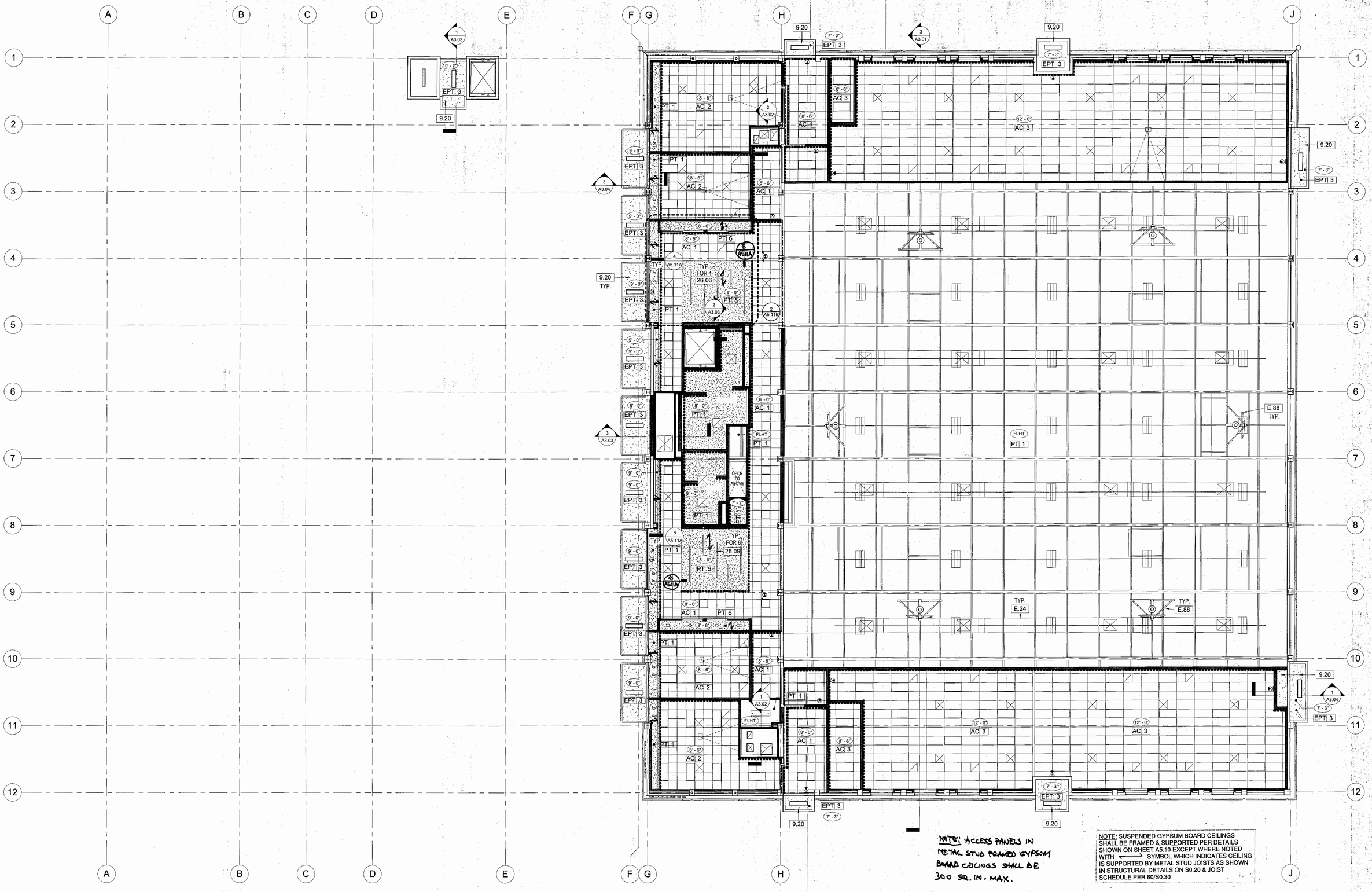
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FIRST FLOOR - NEW RCP

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A1.04

___ OF ___



NOTE: SUSPENDED GYPSUM BOARD CEILINGS SHALL BE FRAMED & SUPPORTED PER DETAILS SHOWN ON SHEET A5.10 EXCEPT WHERE NOTED WITH ⟷ SYMBOL WHICH INDICATES CEILING IS SUPPORTED BY METAL STUD JOISTS AS SHOWN IN STRUCTURAL DETAILS ON S0.20 & JOIST SCHEDULE PER 60/S0.30

NORTH

0' 4' 8' 16' 32'

1 SECOND FLOOR - NEW RCP
1/8" = 1'-0"

EXISTING KEYNOTES E#

E.24 (E) DUCT TO REMAIN - SEE MECH DWGS
E.88 (E) BACKSTOP TO REMAIN

KEYNOTES

9.20 (N) CEMENT PLASTER CEILING ON METAL STUD FRAMING
26.06 (N) LINEAR RECESSED LIGHT FIXTURE, 4FT LENGTH - SEE ELECTRICAL
26.09 (N) LINEAR RECESSED LIGHT FIXTURE, 8FT LENGTH - SEE ELECTRICAL

WALL LEGEND

(E) 1HR PARTITION, 8" CONCRETE OR GYPSUM PLASTER ON METAL STUDS
(N) 1HR PARTITION, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
(N) 2-HR SHAFT, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE

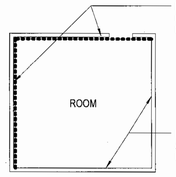
CEILING LEGEND

(N) 2' X 2' LAY-IN CEILING
(N) 2' X 4' LAY-IN CEILING (SECOND LOOK)
(N) GYPSUM BOARD CEILING
(N) CEMENT PLASTER CEILING
(N) SUPPLY DIFFUSER
(N) RETURN AIR DIFFUSER
(N) EXHAUST REGISTER
1'-0" CEILING HEIGHT
FLHT FULL HEIGHT (NO CLG)

(N) RECESSED LIGHT FIXTURE 24" x 48"
(N) RECESSED LIGHT FIXTURE 24" x 24"
(N) PENDANT MOUNTED LIGHT FIXTURE 12" x 48"
(N) SURFACE MOUNTED LIGHT FIXTURE
(N) RECESSED DOWN LIGHT
(N) OCCUPANCY SENSOR
(N) CEILING MOUNTED EXIT SIGN
(N) WALL MOUNTED EXIT SIGN
(N) CEILING MOUNTED PROJECTOR - SEE 2/A5.11A

(N) RECESSED LIGHT FIXTURE 12" x 48"
(N) RECESSED LINEAR LIGHT FIXTURE 2" x 48", 2" x 60", 2" x 72", 2" x 96"
(E) PENDANT MOUNTED LED LIGHT FIXTURE TO REMAIN
(N) RECESSED COVE PERIMETER LINEAR LIGHT FIXTURE 4 1/4" x 35", 4 1/4" x 48", 4 1/4" x 60", 4 1/4" x 72", 4 1/4" x 96"
INDICATES CEILING JOIST SPAN DIRECTION

CEILING EDGE LEGEND



FIXED END (ATTACHED JOINT) OF SUSPENDED CEILING AT NORTH AND WEST SIDE OF EACH ROOM UNLESS NOTED OTHERWISE
2A&2B / A5.10 FOR SUSPENDED 5/8" GYPSUM BOARD
6A / A5.08B FOR SUSPENDED ACOUSTICAL TILES
FREE END (FREE JOINT) OF SUSPENDED CEILING AT SOUTH AND EAST SIDE OF EACH ROOM UNLESS NOTED OTHERWISE
2C&2D / A5.10 FOR SUSPENDED 5/8" GYPSUM BOARD
6B / A5.08B FOR SUSPENDED ACOUSTICAL TILES

GENERAL NOTES:

1. SEE SHEETS A5.08A, A5.08B, A5.09, A5.10 & A5.11A FOR GENERAL CEILING NOTES AND CEILING INSTALLATION DETAILS.
2. PROVIDE A MAX. SIZE 16" SQ. ACCESS PANEL IN ALL HARD-LID CEILINGS FOR ACCESS TO FIRE SMOKE DAMPERS AND OTHER UTILITIES ABOVE THE CEILINGS REQUIRING ACCESS FOR MAINTENANCE. FOR 1ST FLOOR ACCESS PANEL LOCATIONS SEE MECHANICAL SHEETS.
3. PROVIDE EXIT SIGNS PER SECTION 1013.1.
   A.) EXIT SIGNS SHALL BE LOCATED AS NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL.
   B.) EXIT SIGNS SHALL BE READILY VISIBLE FROM ANY DIRECTION OF APPROACH.
4. VERIFY WITH ARCHITECT THE INTENDED CONSTRUCTION CONTINUITY OF THE ONE-HOUR ENVELOPE ABOVE THE CEILINGS AS REQUIRED BY CODE AND AS OUTLINED IN THESE PLANS.
5. FOR GWB ON CEILING JOISTS, REFER TO 60/S0.30 FOR CEILING JOIST SCHEDULE.
6. FOR PIPE PENETRATION THRU RATED WALLS & FLOORS, SEE DETAILS ON SHEET A5.15B & 26/A5.07.
7. CEILINGS AT GALLERIES 'A' THROUGH 'H', SHALL HAVE A HEIGHT OF 8'-6" A.F.F.
8. INSTALL (N) 3HR CEMENTITIOUS FIREPROOFING PER DETAIL 2E/A5.08 ON ALL STEEL BEAMS SUPPORTING SECOND & MEZZANINE FLOORS TO REPLACE FIREPROOFING REMOVED PER HAZARDOUS MATERIALS NOTE ON SHEET G0.01. SEE SHEETS S1.02 & S1.03 FOR EXTENT OF STEEL BEAMS.

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS ___ SS ___
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JAY AMADOR C 20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

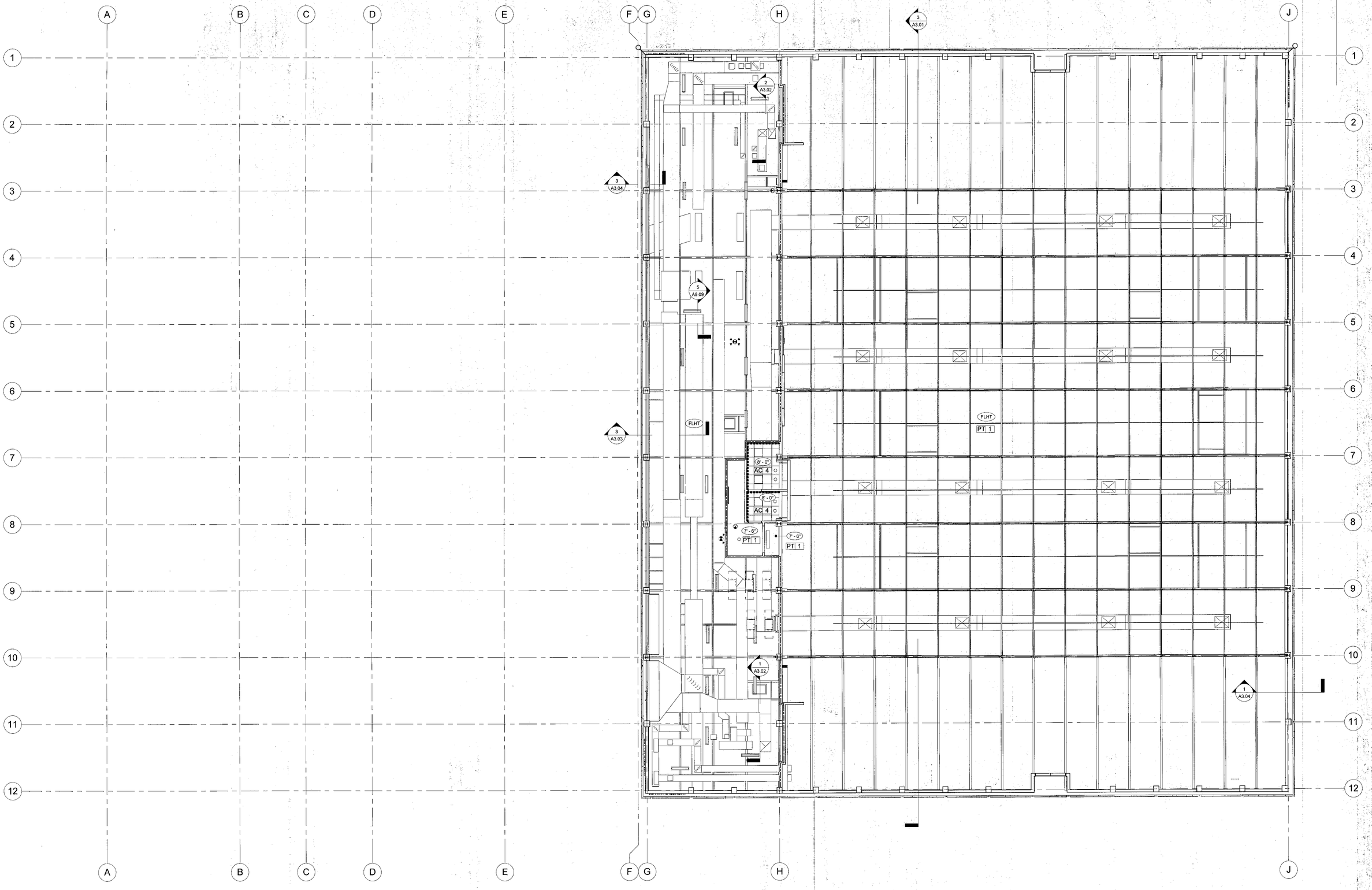
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REVISIONS	DATE: 03/26/18
	DRAWN: JA/ WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

SECOND FLOOR - NEW RCP

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A1.05
___ OF ___



1 MECHANICAL MEZZANINE - NEW RCP
1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

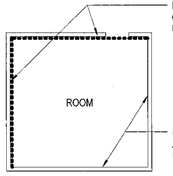
WALL LEGEND

(E) 1HR PARTITION, 8" CONCRETE OR GYPSUM PLASTER ON METAL STUDS

CEILING LEGEND

- (N) 2' X 2' LAY-IN CEILING
- (N) SUPPLY DIFFUSER
- (N) RETURN AIR DIFFUSER
- (N) EXHAUST REGISTER
- 1'-0" — CEILING HEIGHT
- FLHT — FULL HEIGHT (NO CLG)
- (N) RECESSED LIGHT FIXTURE 24" x 24"
- (N) PENDANT MOUNTED LIGHT FIXTURE 12" x 48"
- (N) SURFACE MOUNTED LIGHT FIXTURE
- (N) WALL MOUNTED LIGHT FIXTURE
- (N) RECESSED DOWN LIGHT
- (N) OCCUPANCY SENSOR
- (N) CEILING MOUNTED EXIT SIGN
- (N) WALL MOUNTED EXIT SIGN

CEILING EDGE LEGEND



- FIXED END (ATTACHED JOINT) OF SUSPENDED CEILING AT NORTH AND WEST SIDE OF EACH ROOM UNLESS NOTED OTHERWISE
- 2A&2B / A5.10 — FOR SUSPENDED 5/8" GYPSUM BOARD
- 6A / A5.08B — FOR SUSPENDED ACOUSTICAL TILES
- FREE END (FREE JOINT) OF SUSPENDED CEILING AT SOUTH AND EAST SIDE OF EACH ROOM UNLESS NOTED OTHERWISE
- 2C&2D / A5.10 — FOR SUSPENDED 5/8" GYPSUM BOARD
- 6B / A5.08B — FOR SUSPENDED ACOUSTICAL TILES

GENERAL NOTES:

1. SEE SHEETS A5.08A, A5.08B, A5.09, A5.10 & A5.11A FOR GENERAL CEILING NOTES AND CEILING INSTALLATION DETAILS.
2. PROVIDE A MAX. SIZE 16" SQ. ACCESS PANEL IN ALL HARD-LID CEILINGS FOR ACCESS TO FIRE SMOKE DAMPERS AND OTHER UTILITIES ABOVE THE CEILINGS REQUIRING ACCESS FOR MAINTENANCE. FOR 1ST FLOOR ACCESS PANEL LOCATIONS SEE MECHANICAL SHEETS.
3. PROVIDE EXIT SIGNS PER SECTION 1013.1.
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4. VERIFY WITH ARCHITECT THE INTENDED CONSTRUCTION CONTINUITY OF THE ONE-HOUR ENVELOPE ABOVE THE CEILINGS AS REQUIRED BY CODE AND AS OUTLINED IN THESE PLANS.
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6. FOR PIPE PENETRATION THRU RATED WALLS & FLOORS, SEE DETAILS ON SHEET A5.15B & 26/A5.07.
7. CEILINGS AT GALLERIES 'A' THROUGH 'H', SHALL HAVE A HEIGHT OF 8'-6" A.F.F.
8. INSTALL (N) 3HR CEMENTITIOUS FIREPROOFING PER DETAIL 2E/A5.06 ON ALL STEEL BEAMS SUPPORTING SECOND & MEZZANINE FLOORS TO REPLACE FIREPROOFING REMOVED PER HAZARDOUS MATERIALS NOTE ON SHEET G0.01. SEE SHEETS S1.02 & S1.03 FOR EXTENT OF STEEL BEAMS.

CONSULTANT

AMADOR WHITTLE
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28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 - (818) 874-0071

DIVISION OF THE STATE ARCHITECT

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DIVISION OF THE STATE ARCHITECT
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APPL. NO. 03-118379
AC ___ FLS ___ SM SS ___
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LICENSED ARCHITECT WILLIAM JORGE AMADOR C-26348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

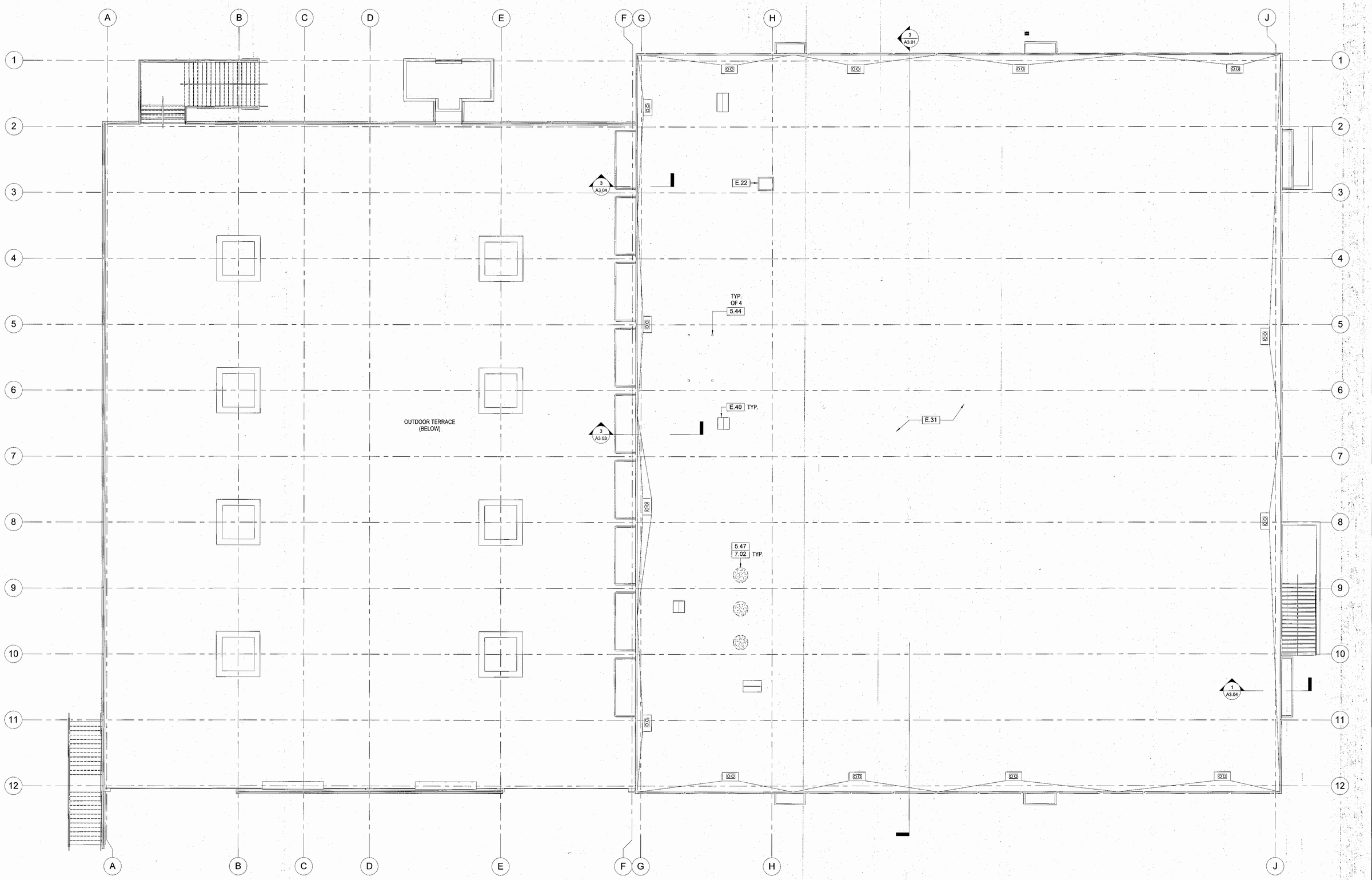
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REVISIONS	DATE: 03/26/18
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	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

MECHANICAL MEZZANINE - NEW RCP

A1.06

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY



1 ROOF PLAN - NEW CONSTRUCTION

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

EXISTING KEYNOTES E#

E.22 (E) ROOF ACCESS HATCH TO REMAIN
E.31 (E) CLASS 'A' BUILT-UP ROOFING TO REMAIN
E.40 (E) GALV. METAL ROOF VENT TO REMAIN

KEYNOTES

5.44 WELD (N) 1/4" STL. PLATE ON TOP OF (E) SQUARE STEEL POST AND PAINT TO MATCH (E)
5.47 (N) METAL PLATE INFILL WHERE FLUE REMOVED - SEE STRUCT. 83/S2.06
7.02 (N) CLASS 'A' ROOFING TO MATCH EXISTING WHERE EXHAUST VENTS REMOVED - SEE DETAIL 4/A5.05

CONSULTANT

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DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT
WILLIAM JOHN WHITTLE JUNIOR
C-20348
JANUARY 31, 2019
RENEWAL DATE
STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
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(805) 530-3938 , (818) 874-0071

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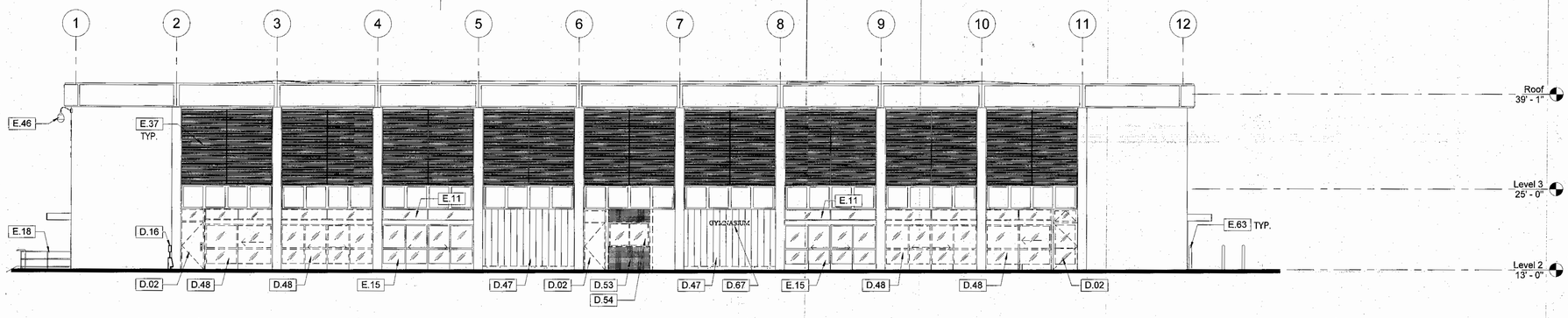
REVISIONS	DATE: 03/26/18
	DRAWN: JA
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

ROOF PLAN - NEW CONSTRUCTION

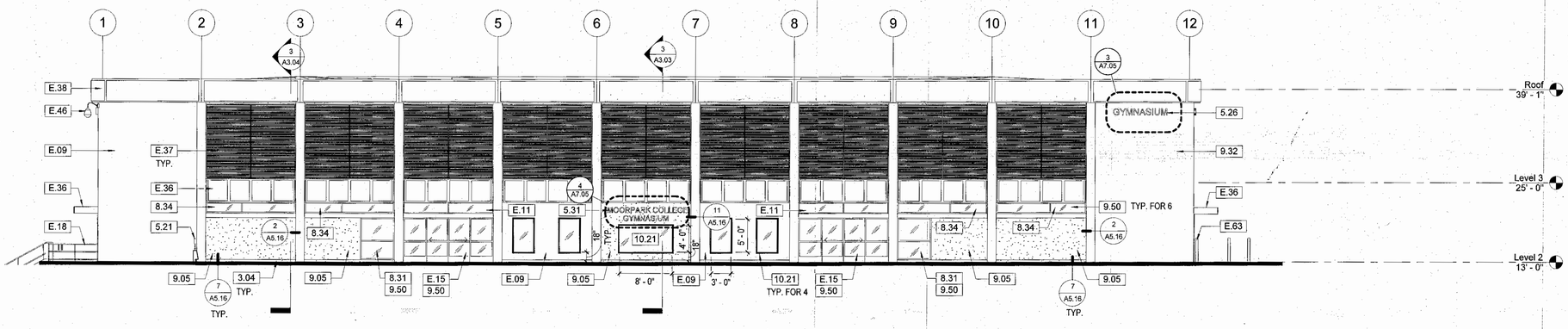
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A1.07

___ OF ___



1 EAST ELEVATION - DEMOLITION (GRID LINE G)
1/8" = 1'-0"



2 EAST ELEVATION - NEW CONSTRUCTION (GRID LINE G)
1/8" = 1'-0"

DEMOLITION KEYNOTES D#

- D.02 DEMOLISH (E) DOOR, FRAME AND HARDWARE
- D.16 DEMOLISH (E) RAILING
- D.47 DEMOLISH (E) REDWOOD PANEL, TYP.
- D.48 DEMOLISH (E) STOREFRONT SLIDING DOORS (AUTOMATIC) AND CLEARSTORY
- D.53 DEMOLISH (E) TILE FINISH
- D.54 DEMOLISH (E) TICKET WINDOW
- D.67 DEMOLISH (E) SIGN

EXISTING KEYNOTES E#

- E.09 (E) CONCRETE WALL
- E.11 (E) CLERESTORY STOREFRONT TO REMAIN
- E.15 (E) STOREFRONT SLIDING DOORS (AUTOMATIC) WITH EMERGENCY EGRESS FUNCTION TO REMAIN
- E.18 (E) RAILING TO REMAIN
- E.36 (E) CANOPY/FASCIA TO REMAIN IN PLACE, PATCH, REPAIR, & PAINT TO MATCH EXISTING AS NEEDED
- E.37 (E) PAINTED METAL LOUVERS
- E.38 (E) PRECAST CONCRETE FASCIA
- E.46 (E) LIGHT FIXTURE TO REMAIN
- E.63 (E) BOLLARD TO REMAIN

KEYNOTES

- 3.04 (N) CONCRETE CURB - SEE 23/S0.11
- 5.21 (N) STEEL RAILING WITH 3" x 10" HOLLOW STEEL TOP RAIL (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
- 5.26 (N) NON-ILLUMINATED ALUMINUM LETTERING - SEE SHEETS A7.01 THRU A7.04
- 5.31 (N) ALUMINUM LETTERING BACKLIT, SEE SHEETS A7.01 THRU A7.04
- 8.31 (N) DARK BRONZE ANODIZED ALUMINUM STOREFRONT - SEE FLOOR PLANS FOR WINDOW TYPE
- 8.34 (N) DARK BRONZE ALUMINUM STOREFRONT CLERESTORY - SEE FLOOR PLANS FOR WINDOW TYPE
- 9.05 (N) EXTERIOR PLASTER OVER PAPER-BACKED METAL LATH
- 9.32 (N) REPAIR ANY SUPERFICIAL DAMAGE TO EXISTING WALL SURFACE AND PAINT
- 9.50 (N) VINYL GRAPHIC ON EXTERIOR FACE OF GLASS
- 10.21 (N) SURFACE MOUNTED DISPLAY CASE (INTERNALLY ILLUMINATED W/LED), FOR MOUNTING DETAIL SEE 4/A5.04A

GENERAL NOTES

1. REPAIR ANY SUPERFICIAL DAMAGE TO EXISTING EXTERIOR SURFACES AND PREP FOR COMPLETE RE-PAINT OF ENTIRE BUILDING.
2. PAINT ENTIRE BUILDING (EXISTING AND NEW WORK) USING PAINT COLORS INDICATED IN MATERIALS SCHEDULE ON SHEET A6.06
3. CLEAN AND PRESSURE WASH ALL EXTERIOR STAIRS. PATCH & REPAIR SUPERFICIAL DAMAGE AS NEEDED. PAINT STAIR RAILINGS AND MISC. STEEL PARTS AS DESCRIBED IN STAIR GENERAL NOTES ON SHEETS A8.03, A8.06 & A8.07

CONSULTANT

DIVISION OF THE STATE ARCHITECT
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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS ZH SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH AMADOR C-26546 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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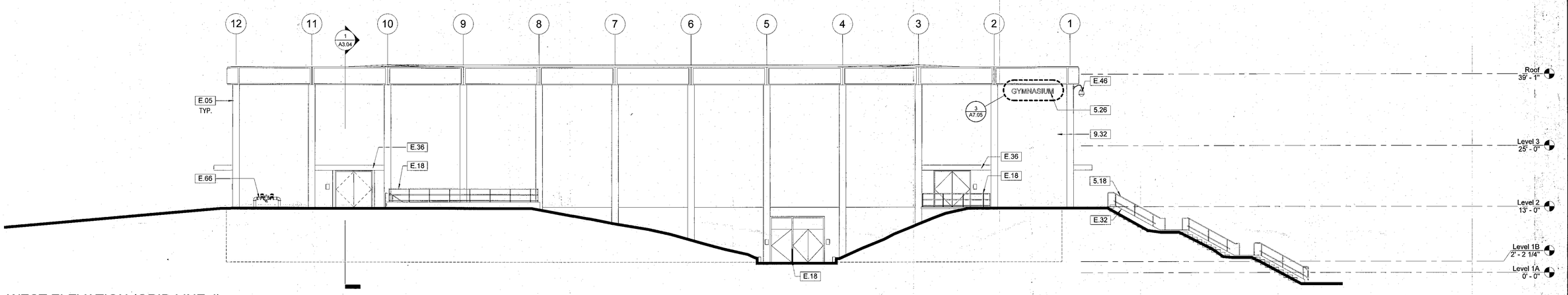
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	CHECK: RJF/WJA
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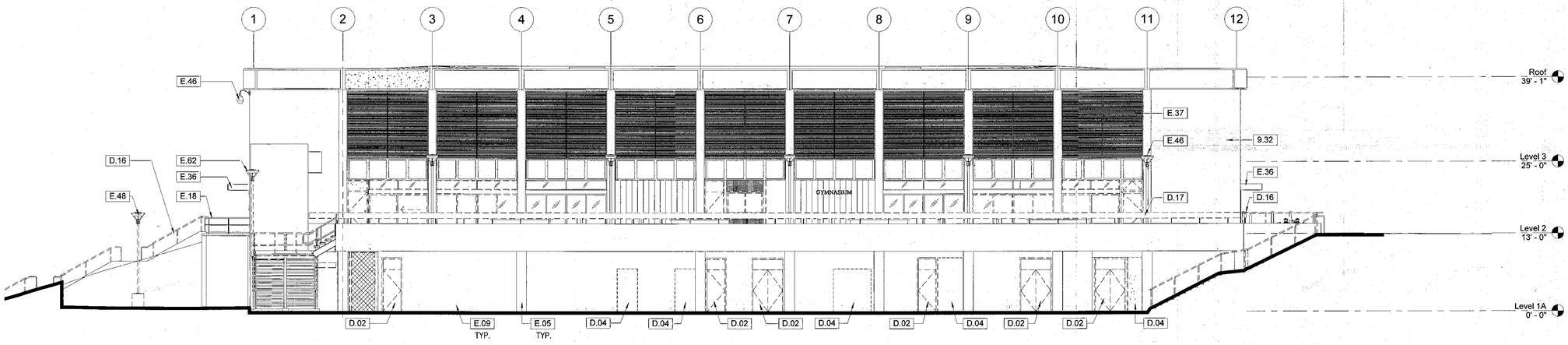
EXTERIOR ELEVATIONS

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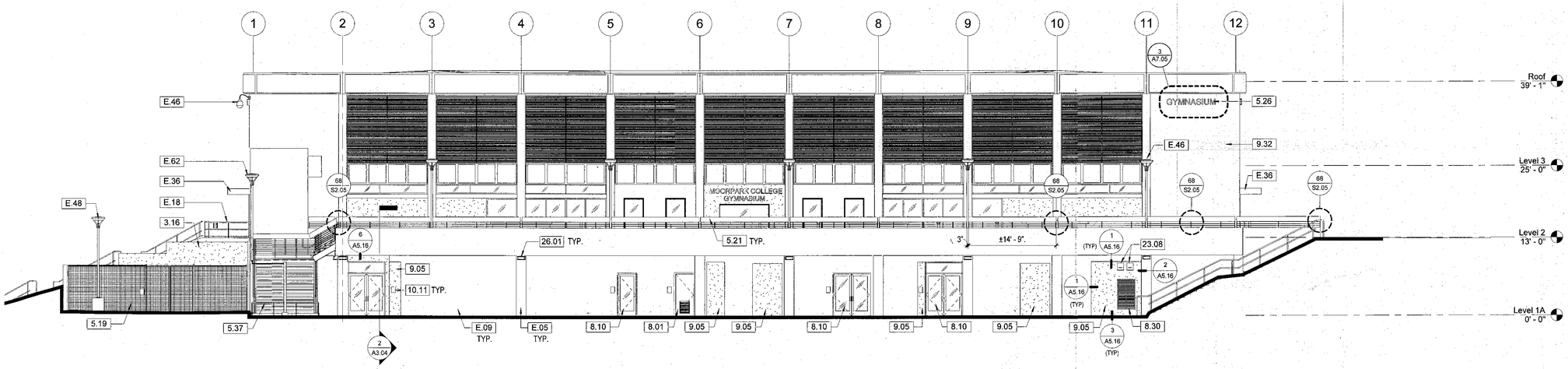
A2.01
— OF —



1 WEST ELEVATION (GRID LINE J)
1/8" = 1'-0"



2 EAST ELEVATION_OUTDOOR TERRACE - DEMOLITION (GRID LINE A)
1/8" = 1'-0"



3 EAST ELEVATION_OUTDOOR TERRACE - NEW CONSTRUCTION (GRID LINE A)
1/8" = 1'-0"

DEMOLITION KEYNOTES D#

- D.02 DEMOLISH (E) DOOR, FRAME AND HARDWARE
- D.04 SAWCUT AN OPENING IN (E) CONCRETE WALL PANEL FOR (N) DOOR OR WINDOW - COORD. SIZE OF OPENING WITH DOOR & WINDOW SCHEDULES - SEE 3/S2.00 FOR OPENING REINFORCING INFO
- D.16 DEMOLISH (E) RAILING
- D.17 DEMOLISH (E) TOP RAIL - RETAIN (E) SUPPORT POSTS

EXISTING KEYNOTES E#

- E.05 (E) CONCRETE COLUMN
- E.09 (E) CONCRETE WALL
- E.18 (E) RAILING TO REMAIN
- E.32 (E) CONCRETE CURB TO REMAIN
- E.36 (E) CANOPY/FASCIA TO REMAIN IN PLACE, PATCH, REPAIR, & PAINT TO MATCH EXISTING AS NEEDED
- E.37 (E) PAINTED METAL LOUVERS
- E.46 (E) LIGHT FIXTURE TO REMAIN
- E.48 (E) LIGHT FIXTURE TO BE RELOCATED - SEE A1.00
- E.62 (E) LIGHT TO BE DETACHED FROM (E) RAILING AND REATTACHED TO MODIFIED RAILING - SEE 76/S2.06 FOR ATTACHMENT DETAIL
- E.66 (E) DOMESTIC WATER CONTROL VALVE ASSEMBLY TO REMAIN

KEYNOTES

- 3.16 (N) CONCRETE RETAINING WALL - SEE STRUCTURAL 44/S2.03
- 5.18 (N) 1 1/4" DIAM. EXTRA STRONG STEEL RAILING (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
- 5.19 (N) GALV. STEEL MESH ENCLOSURE - SEE DETAIL 4/A9.02
- 5.21 (N) STEEL RAILING WITH 3" x 10" HOLLOW STEEL TOP RAIL (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
- 5.26 (N) NON-ILLUMINATED ALUMINUM LETTERING - SEE SHEETS A7.01 THRU A7.04
- 5.37 (N) CANE DETECTION STEEL RAILING (GALVANIZED AND PAINTED) - SEE DETAIL 12/A8.08
- 8.01 (N) HOLLOW METAL DOOR - SEE FLOOR PLANS FOR DOOR NO.
- 8.10 (N) CLEAR ANODIZED ALUMINUM STOREFRONT DOOR(S) - SEE FLOOR PLANS FOR DOOR NO.
- 8.30 (N) LOUVER - SEE DETAIL 2/M3.00
- 9.05 (N) EXTERIOR PLASTER OVER PAPER-BACKED METAL LATH
- 9.32 (N) REPAIR ANY SUPERFICIAL DAMAGE TO EXISTING WALL SURFACE AND PAINT
- 10.11 (N) SIGNAGE - SEE SHEETS A7.01 THRU A7.04
- 23.08 (N) DRYER EXHAUST VENT, INSTALL PLASTER STOP AROUND WALL OPENING - SEE MECHANICAL DETAILS 2&3/M3.00
- 26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL

GENERAL NOTES

1. REPAIR ANY SUPERFICIAL DAMAGE TO EXISTING EXTERIOR SURFACES AND PREP FOR COMPLETE RE-PAINT OF ENTIRE BUILDING.
2. PAINT ENTIRE BUILDING (EXISTING AND NEW WORK) USING PAINT COLORS INDICATED IN MATERIALS SCHEDULE ON SHEET A6.06
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CONSULTANT

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH WHITTLE C-20345 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

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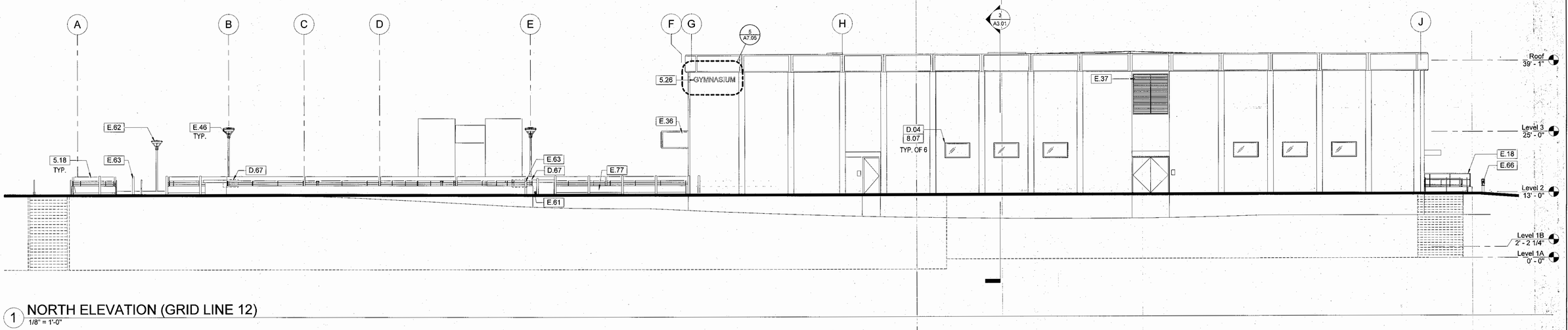
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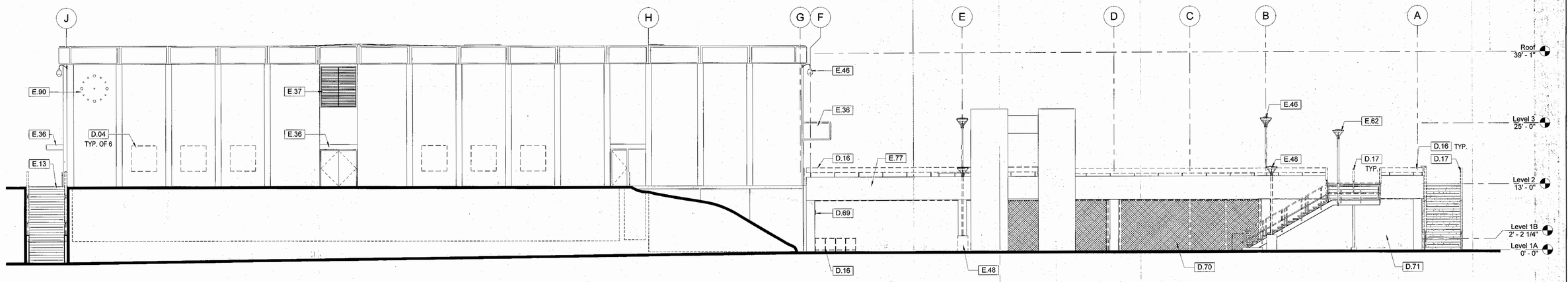
EXTERIOR ELEVATIONS

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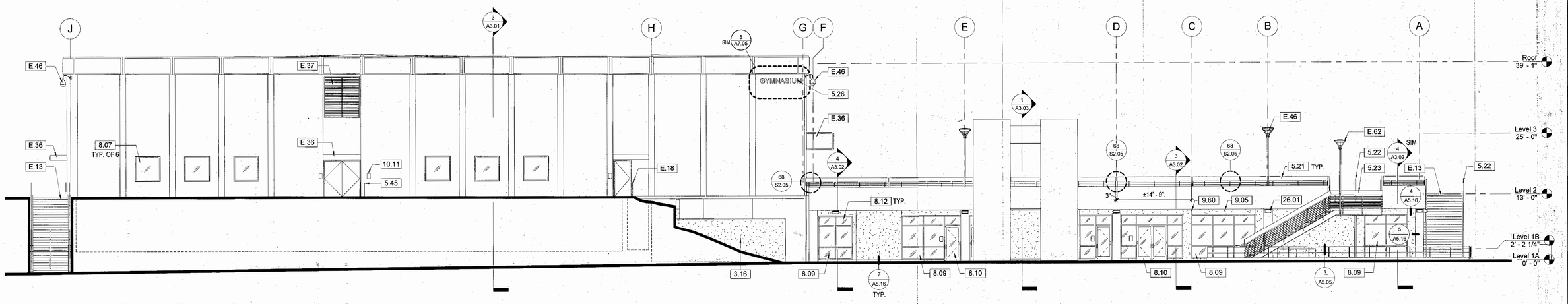
A2.02



1 NORTH ELEVATION (GRID LINE 12)
1/8" = 1'-0"



2 SOUTH ELEVATION - DEMOLITION (GRID LINE 1)
1/8" = 1'-0"



3 SOUTH ELEVATION - NEW CONSTRUCTION (GRID LINE 1)
1/8" = 1'-0"

DEMOLITION KEYNOTES D#

- D.04 SAWCUT AN OPENING IN (E) CONCRETE WALL PANEL FOR (N) DOOR OR WINDOW - COORD. SIZE OF OPENING WITH DOOR & WINDOW SCHEDULES - SEE 3/S2.00 FOR OPENING REINFORCING INFO
- D.16 DEMOLISH (E) RAILING
- D.17 DEMOLISH (E) TOP RAIL - RETAIN (E) SUPPORT POSTS
- D.67 DEMOLISH (E) SIGN
- D.69 DEMOLISH (E) METAL SUPPORT
- D.70 DEMOLISH (E) CHAINLINK FENCE AND GATE, REPAIR ANY SUPERFICIAL DAMAGE TO (E) SOFFIT AS NEEDED
- D.71 DEMOLISH (E) NON-STURCTURAL WALL, TO ALLOW FOR NEW WALL WITH STOREFRONT WINDOWS

EXISTING KEYNOTES E#

- E.13 (E) STAIRS TO REMAIN
- E.18 (E) RAILING TO REMAIN
- E.36 (E) CANOPY/FASCIA TO REMAIN IN PLACE, PATCH, REPAIR, & PAINT TO MATCH EXISTING AS NEEDED
- E.37 (E) PAINTED METAL LOUVERS
- E.46 (E) LIGHT FIXTURE TO REMAIN
- E.48 (E) LIGHT FIXTURE TO BE RELOCATED - SEE A1.00
- E.61 (E) GAS PRESSURE REGULATOR TO REMAIN
- E.62 (E) LIGHT TO BE DETACHED FROM (E) RAILING AND REATTACHED TO MODIFIED RAILING - SEE 7/S2.06 FOR ATTACHMENT DETAIL
- E.63 (E) BOLLARD TO REMAIN
- E.66 (E) DOMESTIC WATER CONTROL VALVE ASSEMBLY TO REMAIN
- E.77 (E) CONCRETE TERRACE RAIL WALL TO REMAIN (REPAIR WHERE NEEDED)
- E.90 (E) CLOCK ON FACE OF BUILDING - PROTECT IN PLACE

KEYNOTES

- 3.16 (N) CONCRETE RETAINING WALL - SEE STRUCTURAL 44/S2.03
- 5.18 (N) 1 1/4" DIAM. EXTRA STRONG STEEL RAILING (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
- 5.21 (N) STEEL RAILING WITH 3" x 10" HOLLOW STEEL TOP RAIL (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
- 5.22 (N) (GALVANIZED AND PAINTED) STEEL TOP RAILING AND HANDRAIL EXTENSIONS
- 5.23 (N) 3" x 10" HOLLOW METAL STEEL TOP RAIL (GALVANIZED AND PAINTED) - SEE DETAIL 9/A8.08
- 5.26 (N) NON-ILLUMINATED ALUMINUM LETTERING - SEE SHEETS A7.01 THRU A7.04
- 5.45 (N) (GALVANIZED AND PAINTED) STEEL RAILING WITH ONE-WAY GATE - SEE DETAIL 13/A5.04C
- 8.07 (N) CLEAR ANODIZED ALUMINUM FIXED WINDOW - SEE FLOOR PLANS FOR WINDOW TYPE
- 8.09 (N) CLEAR ANODIZED ALUMINUM STOREFRONT - SEE FLOOR PLANS FOR WINDOW TYPE
- 8.10 (N) CLEAR ANODIZED ALUMINUM STOREFRONT DOOR(S) - SEE FLOOR PLANS FOR DOOR NO.
- 8.12 (N) CLEAR ANODIZED ALUMINUM STOREFRONT CLERESTORY - SEE FLOOR PLANS FOR WINDOW TYPE
- 9.05 (N) EXTERIOR PLASTER OVER PAPER-BACKED METAL LATH
- 9.60 (N) PLASTER CONTROL JOINT AT CORNERS OF OPENINGS - SEE DETAIL 5/A5.05
- 10.11 (N) SIGNAGE - SEE SHEETS A7.01 THRU A7.04
- 21.02 (N) DDC ASSEMBLY - SEE FIRE SPRINKLER PLANS
- 26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL

GENERAL NOTES

1. REPAIR ANY SUPERFICIAL DAMAGE TO EXISTING EXTERIOR SURFACES AND PREP FOR COMPLETE RE-PAINT OF ENTIRE BUILDING.
2. PAINT ENTIRE BUILDING (EXISTING AND NEW WORK) USING PAINT COLORS INDICATED IN MATERIALS SCHEDULE ON SHEET A6.06
3. CLEAN AND PRESSURE WASH ALL EXTERIOR STAIRS. PATCH & REPAIR SUPERFICIAL DAMAGE AS NEEDED. PAINT STAIR RAILINGS AND MISC. STEEL PARTS AS DESCRIBED IN STAIR GENERAL NOTES ON SHEETS A8.03, A8.06 & A8.07

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
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FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM FRED WHITTLE C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS

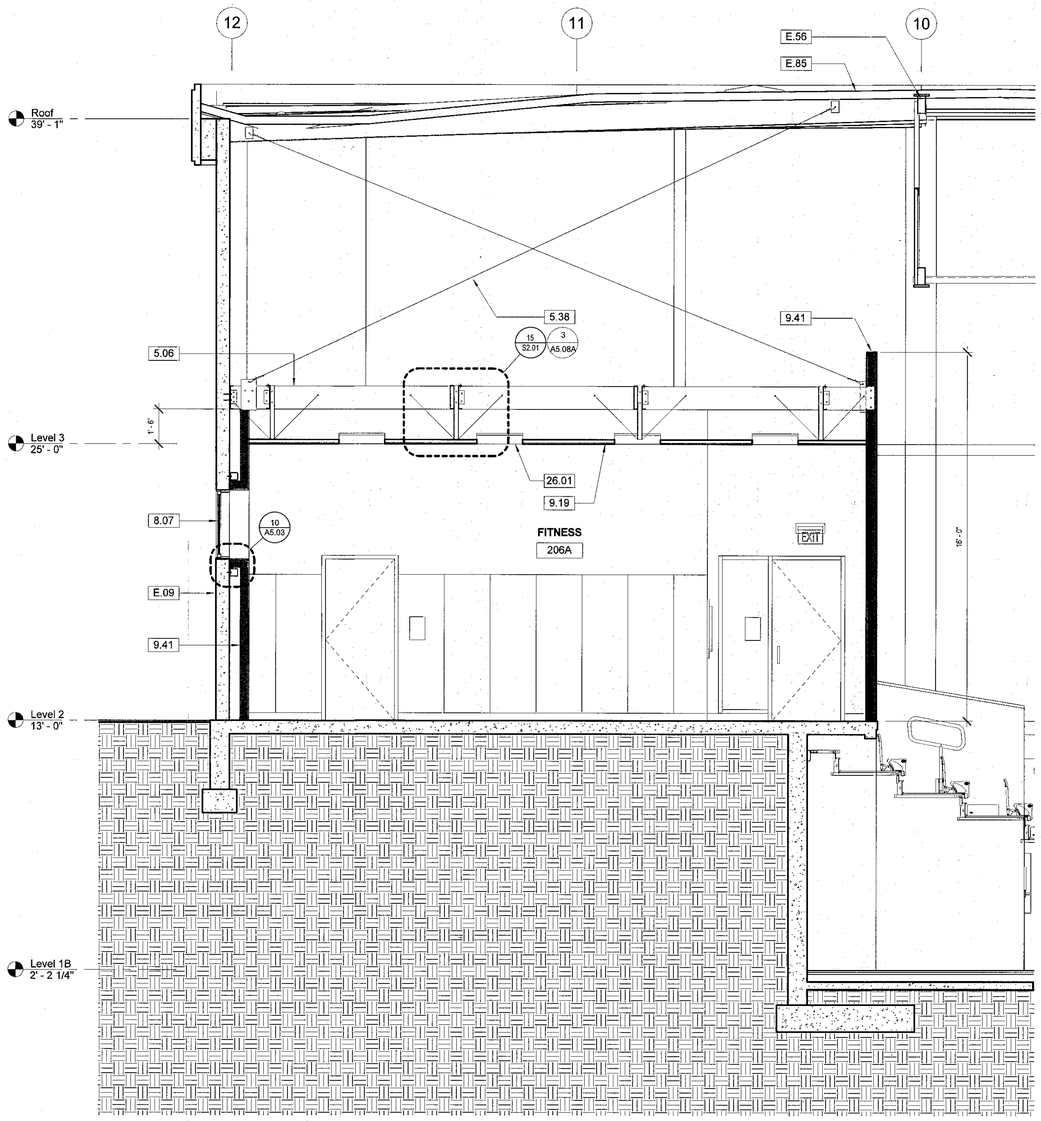
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JOB NO: 16-MPC-023

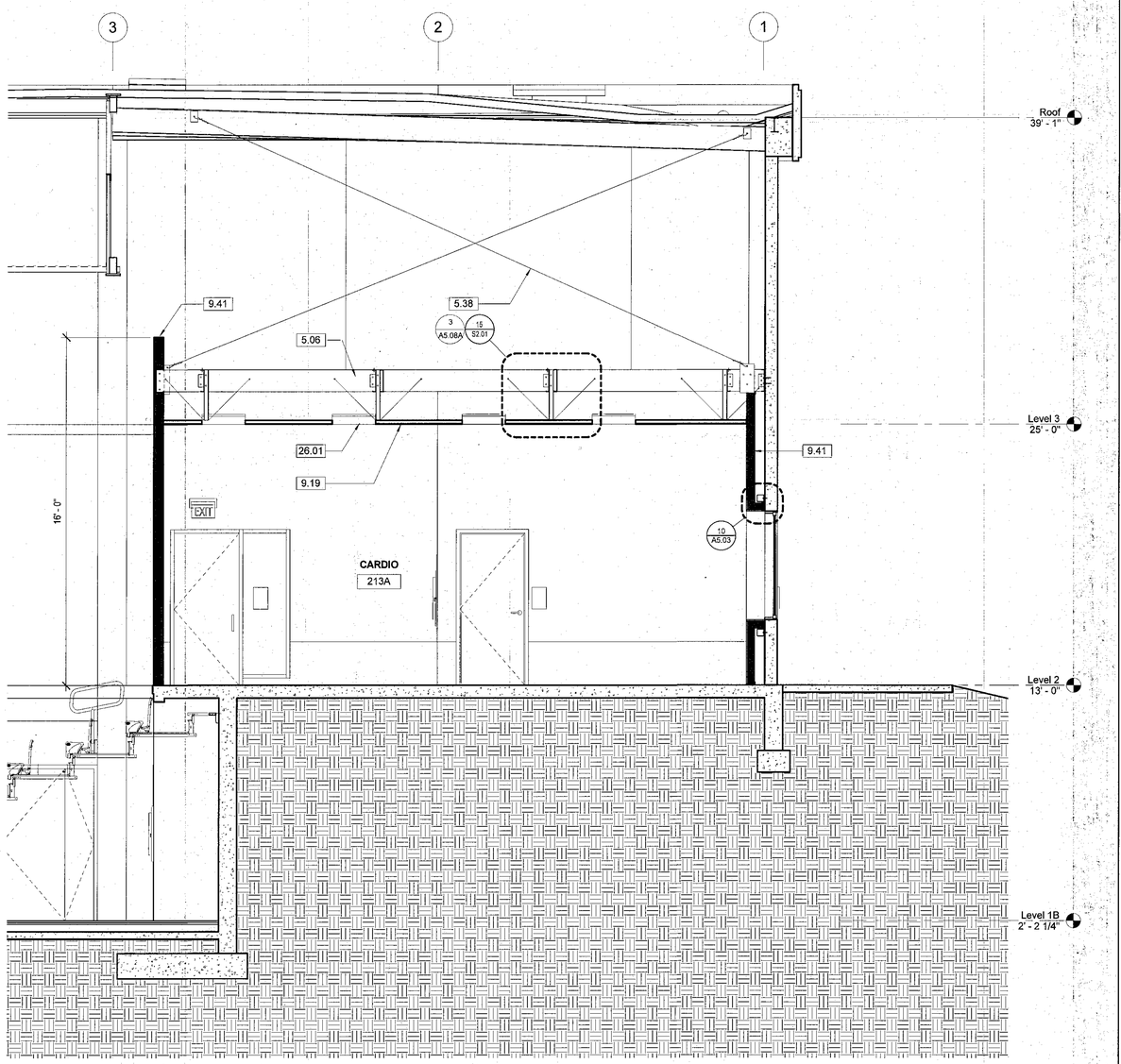
EXTERIOR ELEVATIONS

A2.03

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

___ OF ___





2 CROSS SECTION AT FITNESS 206A

3/8" = 1'-0"

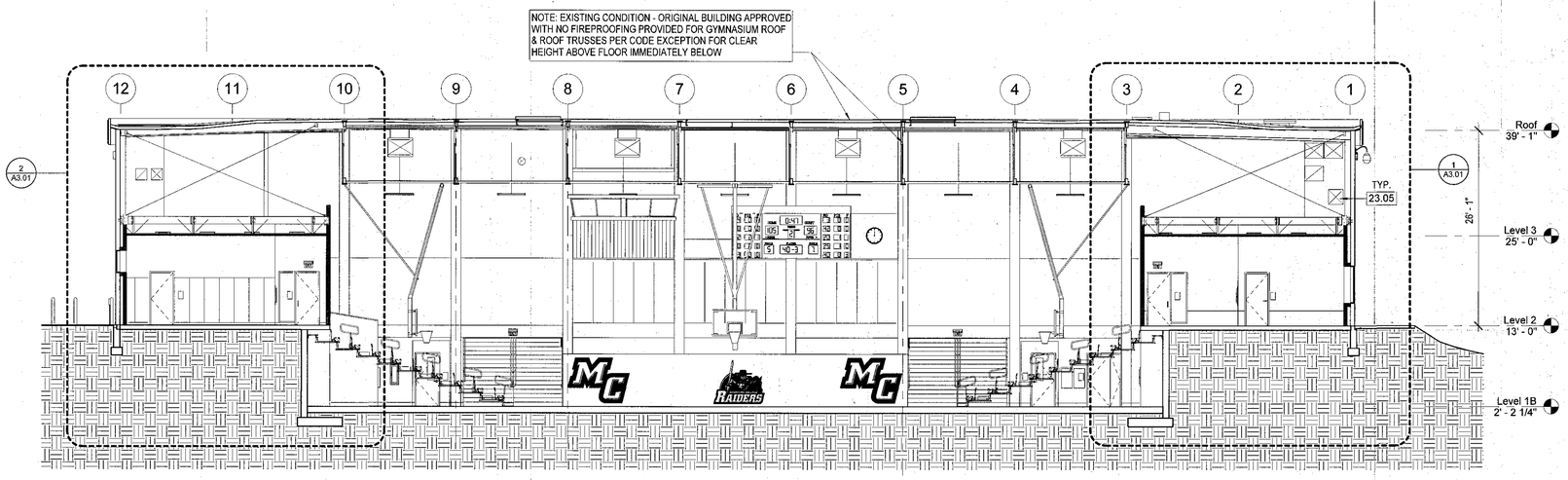
0' 1' 2' 3' 5' 10'

1 CROSS SECTION AT CARDIO 213A

3/8" = 1'-0"

0' 1' 2' 3' 5' 10'

NOTE: EXISTING CONDITION - ORIGINAL BUILDING APPROVED WITH NO FIREPROOFING PROVIDED FOR GYMNASIUM ROOF & ROOF TRUSSES PER CODE EXCEPTION FOR CLEAR HEIGHT ABOVE FLOOR IMMEDIATELY BELOW



3 SECTION AT GYM N-S

1/8" = 1'-0"

0' 8' 16' 32' 64'

EXISTING KEYNOTES E#

E.09 (E) CONCRETE WALL
E.56 (E) STEEL ROOF TRUSS TO REMAIN
E.85 (E) ROOF ASSEMBLY TO REMAIN

KEYNOTES

5.06 (N) STEEL JOIST FRAMING - SEE STRUCTURAL
5.38 (N) BRACING WIRE - SEE STRUCTURAL 15/S2.01
8.07 (N) CLEAR ANODIZED ALUMINUM FIXED WINDOW - SEE FLOOR PLANS FOR WINDOW TYPE
9.19 (N) SUSPENDED ACOUSTICAL CEILING
9.41 (N) 4" METAL STUDS @ 24" O.C.- SEE FLOOR PLANS FOR WALL TYPE
23.05 (N) DUCTWORK, FOR SUPPORT DETAILS SEE MECHANICAL DETAILS 2, 3, 4, 5 & 6/M503
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL

LEGEND

2-HR CONSTRUCTION
EXISTING STUD WALL TO REMAIN
NEW STUD WALL
(E) CONCRETE CONSTRUCTION
(N) CONCRETE CONSTRUCTION, SEE STRUCTURAL

CONSULTANT

DIVISION OF THE STATE ARCHITECT

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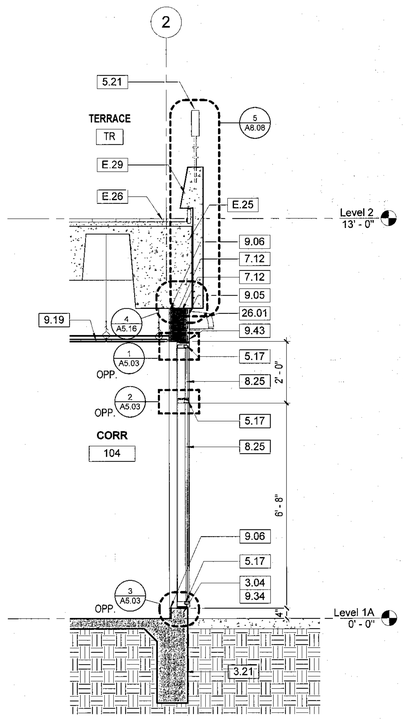
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REVISIONS	
	DATE: 03/26/18
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	JOB NO: 16-MPC-023

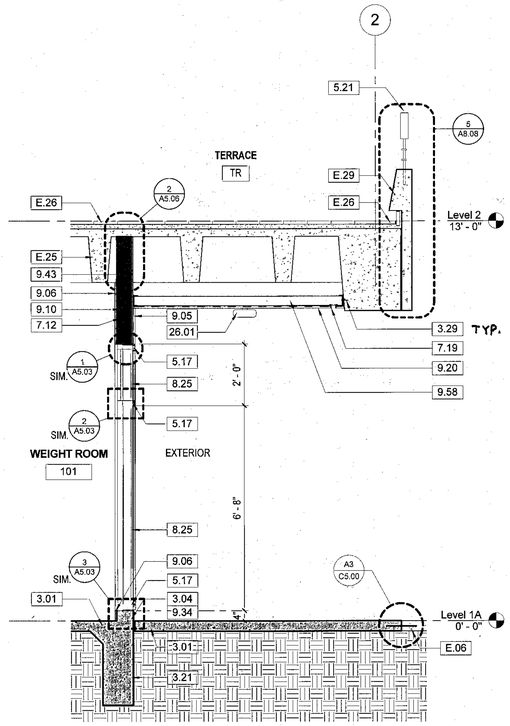
BUILDING SECTIONS

A3.01 ___ OF ___

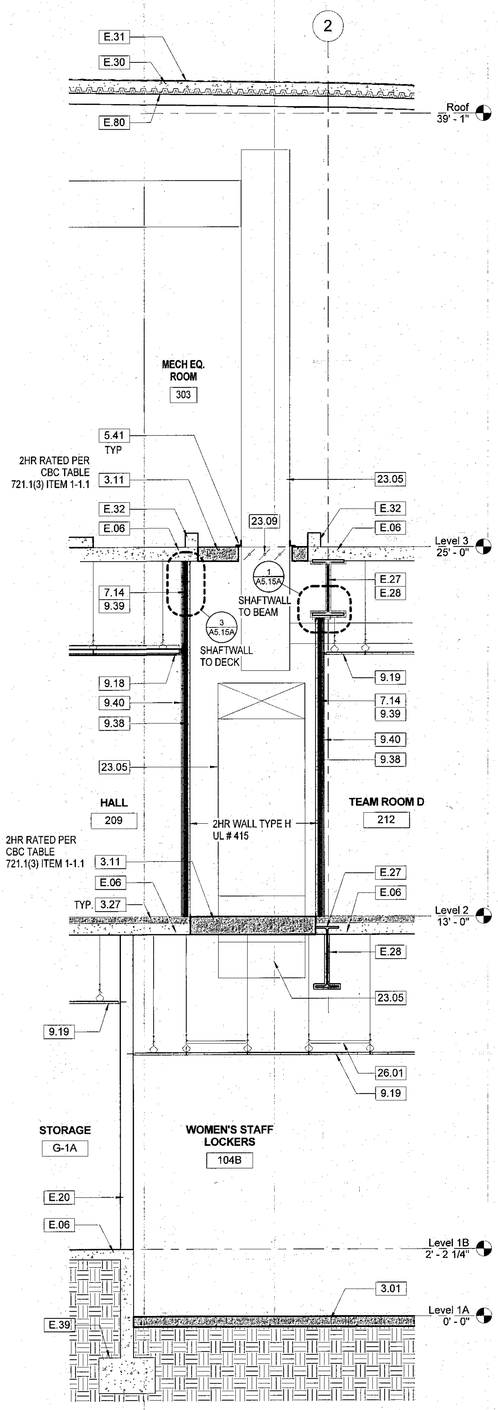
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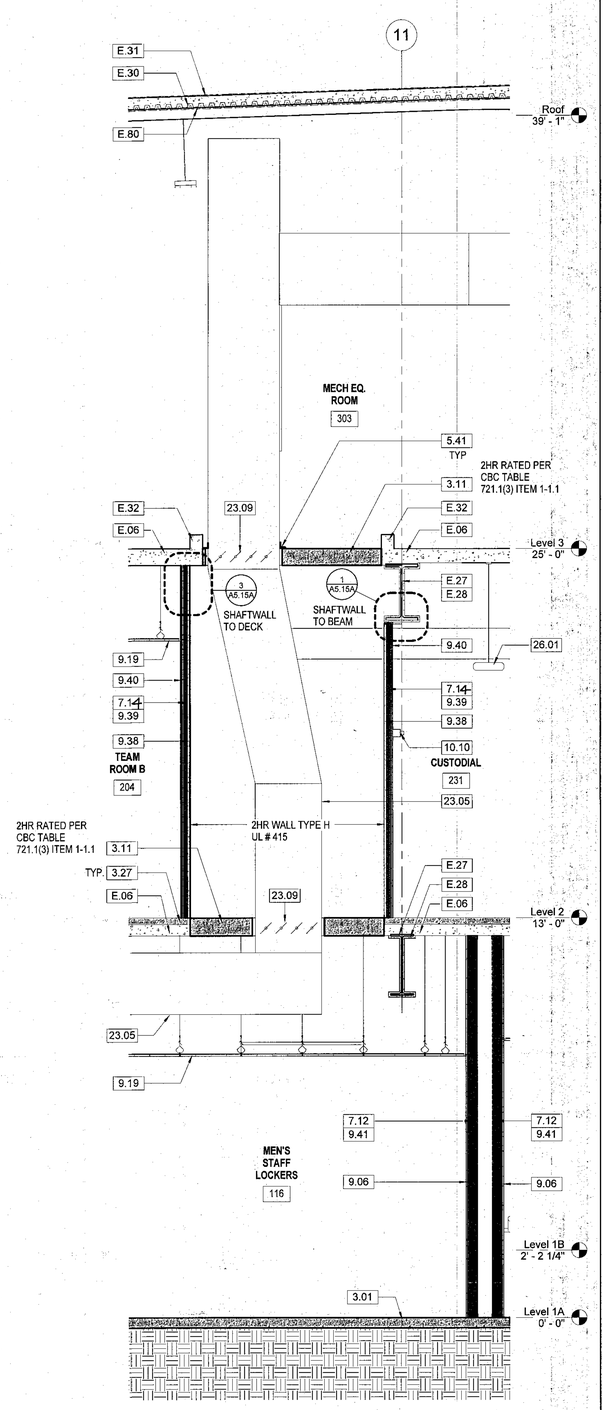
4 SECTION AT CORRIDOR 104 S. WALL
1/2" = 1'-0"



3 SECTION AT RM 101 S WALL
1/2" = 1'-0"



2 SECTION AT S. DUCT PENETRATION
1/2" = 1'-0"



1 SECTION AT N. DUCT PENETRATION
1/2" = 1'-0"

EXISTING KEYNOTES E#

- E.06 (E) CONCRETE SLAB TO REMAIN
- E.20 (E) STUD WALL TO REMAIN (1HR RATED WHERE SHOWN ON FLOOR PLANS)
- E.25 (E) WAFFLE SLAB TO REMAIN
- E.26 (E) CONCRETE PAVERS TO REMAIN
- E.27 (E) STEEL BEAM WITH 3HR FIREPROOFING TO REMAIN
- E.28 (E) 3HR VERMICULITE PLASTER UL RATED FIREPROOFING TO REMAIN, PATCH & REPAIR AS NEEDED BY APPLYING MONOKOTE MK6HY (UL ER4339-02) TO MEET OR EXCEED PREVIOUSLY APPLIED THICKNESS
- E.29 (E) CONCRETE GUARDRAIL WALL TO REMAIN
- E.30 (E) 2HR METAL DECK AND CONCRETE SLAB TO REMAIN
- E.31 (E) CLASS 'A' BUILT-UP ROOFING TO REMAIN
- E.32 (E) CONCRETE CURB TO REMAIN
- E.39 (E) CONCRETE FOOTING TO REMAIN
- E.80 (E) 2HR SPRAYED FIREPROOFING TO REMAIN

KEYNOTES

- 9.58 (N) 4" 20 GA METAL STUDS @ 16" O.C.
- 10.10 (N) MOP RACK, SEE DETAIL 3/A5.04A
- 23.05 (N) DUCTWORK, FOR SUPPORT DETAILS SEE MECHANICAL DETAILS 2, 3, 4, 5 & 6/M503
- 23.09 (N) FIRE SMOKE DAMPER - SEE MECH/ELEC. PLANS
- 26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL

KEYNOTES

- 3.01 (N) CONCRETE SLAB ON GRADE
- 3.04 (N) CONCRETE CURB - SEE 23/S0.11
- 3.11 (N) CONCRETE FLOOR INFILL (2HR RATED PER CBC TABLE 721.1(3) ITEM 1-1.1) - SEE STRUCTURAL DETAIL 55/S2.04
- 3.21 (N) CONCRETE DEEPENED SLAB EDGE - SEE STRUCTURAL DETAIL 26/S2.02
- 3.27 (N) CONCRETE TOPPING
- 3.29 (N) 1/4" Ø x 1-5/8" MINIMUM EMBEDMENT HILTI HUS CONCRETE SCREW ANCHOR AT 24" MAX SPACING (ICC ESR-3027)
- 5.17 (N) CLEAR ANODIZED ALUMINUM STOREFRONT MULLION
- 5.21 (N) STEEL RAILING WITH 3" x 10" HOLLOW STEEL TOP RAIL (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
- 5.41 (N) GALV. MTL. DRAFT STOP PER DETAIL 1/M6.04
- 7.12 (N) R-21 BATT INSULATION
- 7.14 (N) 1 1/2" THICK RIGID INSULATION BOARD
- 7.19 (N) 2" METAL VENT SCREED
- 8.25 (N) 1" STOREFRONT GLAZING
- 9.05 (N) EXTERIOR PLASTER OVER PAPER-BACKED METAL LATH
- 9.06 (N) 5/8" TYPE 'X' GYPSUM BOARD
- 9.10 (N) 6" METAL STUDS @ 24" O.C. FOR INTERIOR WALLS & 16" O.C. AT EXTERIOR WALLS - SEE NEW CONSTRUCTION FLOOR PLANS FOR WALL TYPE
- 9.18 (N) 5/8" TYPE 'X' GYPSUM BOARD CEILING
- 9.19 (N) SUSPENDED ACOUSTICAL CEILING
- 9.20 (N) CEMENT PLASTER CEILING ON METAL STUD FRAMING
- 9.34 (N) PAINT - SEE FINISH SCHEDULE
- 9.38 (N) 1" GYPSUM BOARD SHAFT LINER
- 9.39 (N) 2 1/2" METAL STUDS @ 24" O.C.
- 9.40 (N) 1/2" TYPE 'X' GYPSUM BOARD DOUBLE LAYERS
- 9.41 (N) 4" METAL STUDS @ 24" O.C.- SEE FLOOR PLANS FOR WALL TYPE
- 9.43 (N) 5/8" GLASS FIBER FACED GYPSUM SHEATHING

LEGEND

- 2-HR CONSTRUCTION
- EXISTING STUD WALL TO REMAIN
- NEW STUD WALL
- (E) CONCRETE CONSTRUCTION
- (N) CONCRETE CONSTRUCTION, SEE STRUCTURAL

0' 1' 2' 4' 8'

CONSULTANT

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ARCH FLS ZH SS PP
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT
WILLIAM JOSE AMADOR
C-29348
RENEWAL DATE
JANUARY 31, 2019
STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
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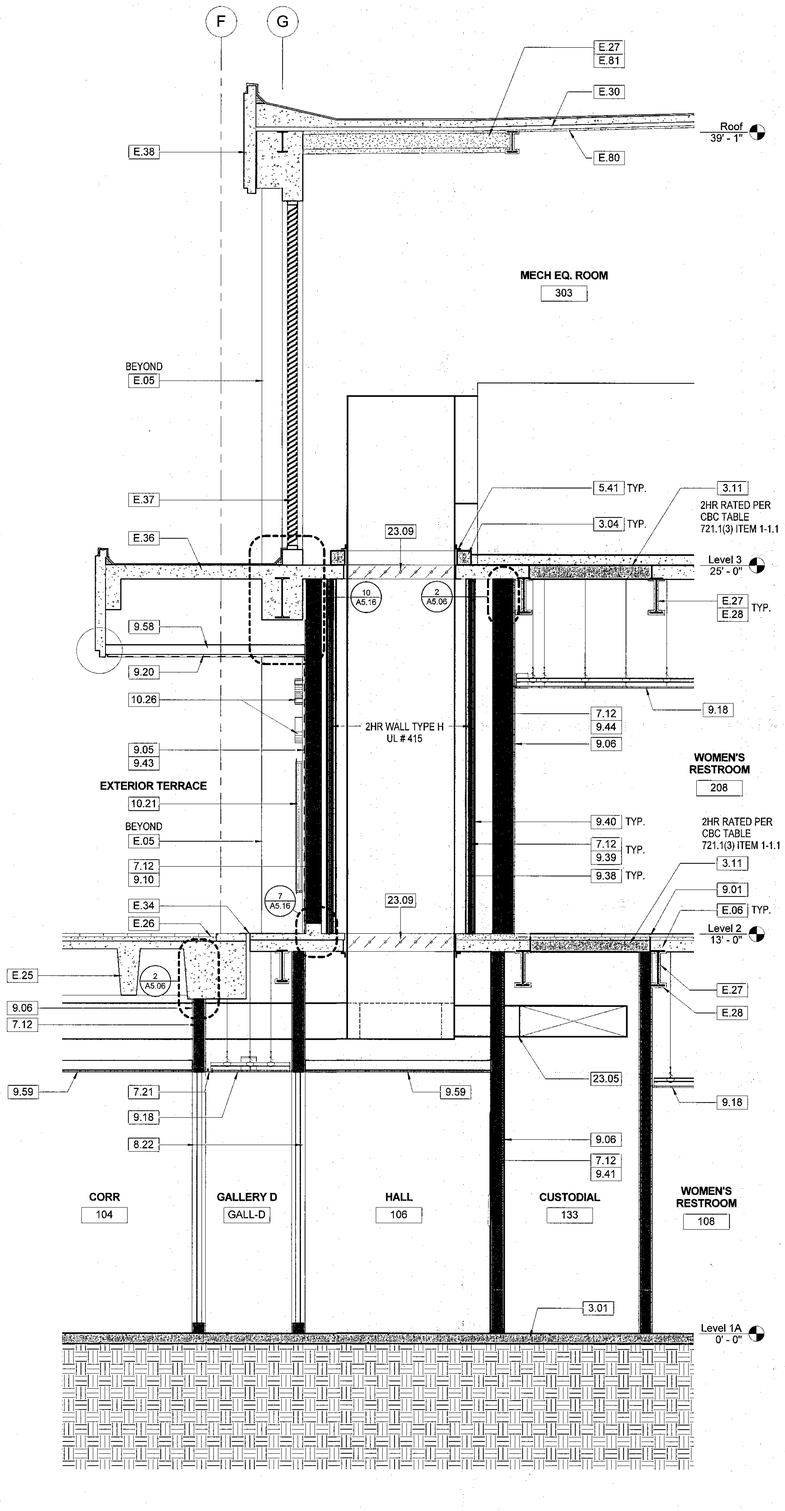
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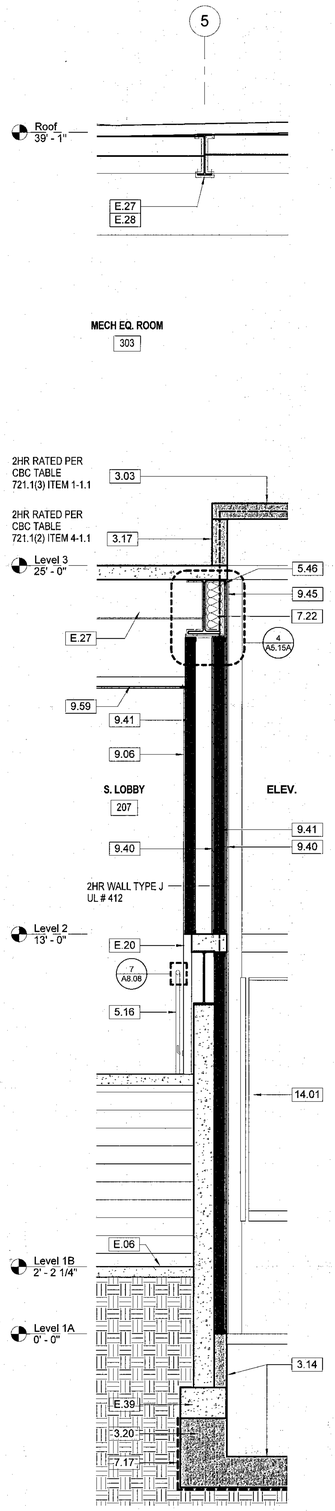
WALL SECTIONS

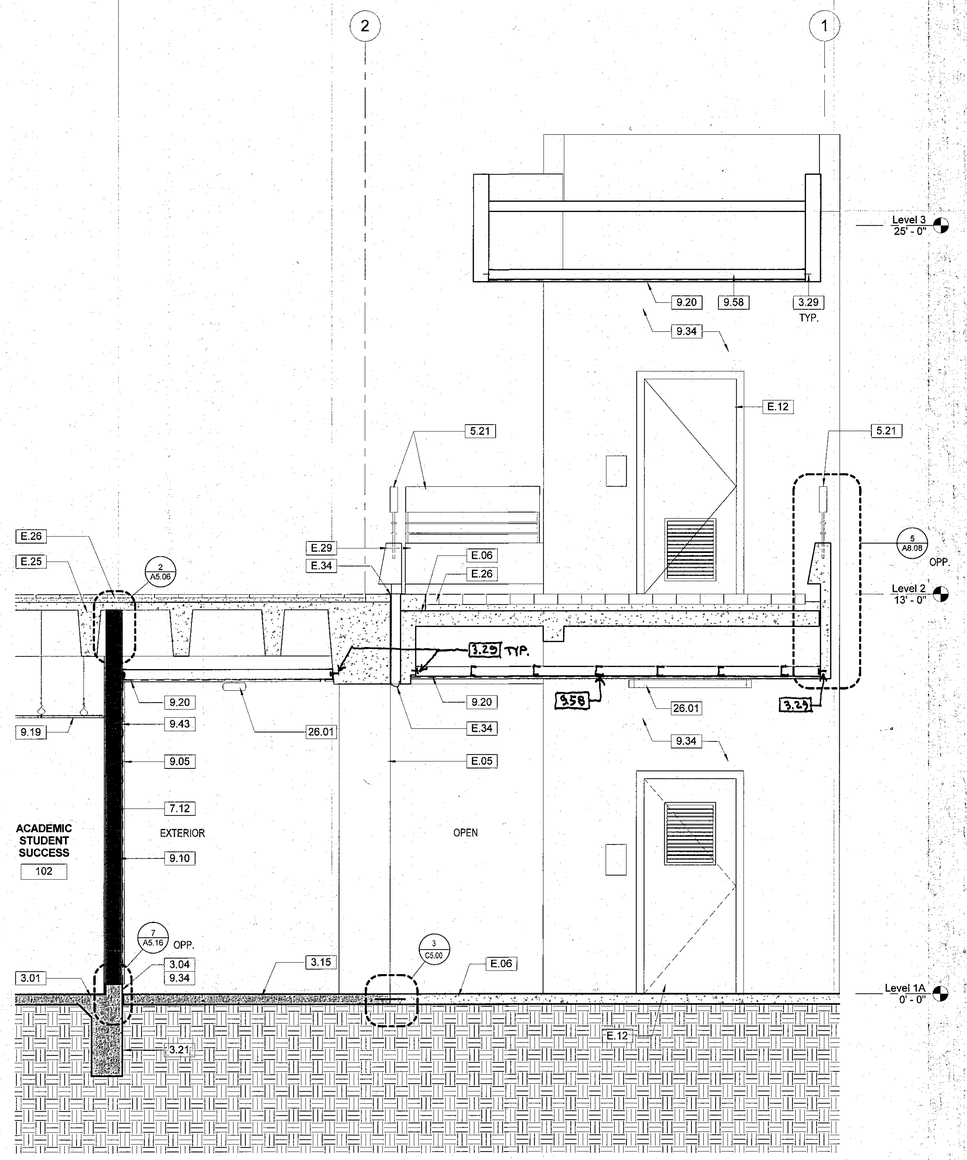
A3.02

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SHEET ____ OF ____







3 SECTION AT CENTRAL DUCT
1/2" = 1'-0"

2 SECTION THRU ELEVATOR LID & PIT
1/2" = 1'-0"

1 SECTION AT RM 102 S WALL
1/2" = 1'-0"

EXISTING KEYNOTES E#

- E.05 (E) CONCRETE COLUMN
- E.06 (E) CONCRETE SLAB TO REMAIN
- E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS
- E.20 (E) STUD WALL TO REMAIN (1HR RATED WHERE SHOWN ON FLOOR PLANS)
- E.25 (E) WAFFLE SLAB TO REMAIN
- E.26 (E) CONCRETE PAVERS TO REMAIN
- E.27 (E) STEEL BEAM WITH 3HR FIREPROOFING TO REMAIN
- E.28 (E) 3HR VERMICULITE PLASTER UL RATED FIREPROOFING TO REMAIN, PATCH & REPAIR AS NEEDED BY APPLYING MONOKOTE MK6HY (UL ER4339-02) TO MEET OR EXCEED PREVIOUSLY APPLIED THICKNESS
- E.29 (E) CONCRETE GUARDRAIL WALL TO REMAIN
- E.30 (E) 2HR METAL DECK AND CONCRETE SLAB TO REMAIN
- E.34 (E) SEISMIC EXPANSION JOINT TO REMAIN IN PLACE
- E.36 (E) CANOPY/FASCIA TO REMAIN IN PLACE, PATCH, REPAIR, & PAINT TO MATCH EXISTING AS NEEDED
- E.37 (E) PAINTED METAL LOUVERS
- E.38 (E) PRECAST CONCRETE FASCIA
- E.39 (E) CONCRETE FOOTING TO REMAIN
- E.80 (E) 2HR SPRAYED FIREPROOFING TO REMAIN
- E.81 (E) 3HR SPRAYED FIREPROOFING TO REMAIN

KEYNOTES

- 8.22 (N) CLEAR ANODIZED ALUMINUM BYPASS SLIDING DISPLAY WINDOWS (MANUAL) - SEE FLOOR PLANS FOR WINDOW TYPE
- 9.01 (N) PORCELAIN FLOOR TILES OVER 2" CONCRETE TOPPING SLAB, SLOPED TO DRAIN
- 9.05 (N) EXTERIOR PLASTER OVER PAPER-BACKED METAL LATH
- 9.06 (N) 5/8" TYPE 'X' GYPSUM BOARD
- 9.10 (N) 6" METAL STUDS @ 24" O.C. FOR INTERIOR WALLS & 16" O.C. AT EXTERIOR WALLS - SEE NEW CONSTRUCTION FLOOR PLANS FOR WALL TYPE
- 9.18 (N) 5/8" TYPE 'X' GYPSUM BOARD CEILING
- 9.19 (N) SUSPENDED ACOUSTICAL CEILING
- 9.20 (N) CEMENT PLASTER CEILING ON METAL STUD FRAMING
- 9.34 (N) PAINT - SEE FINISH SCHEDULE
- 9.38 (N) 1" GYPSUM BOARD SHAFT LINER
- 9.39 (N) 2 1/2" METAL STUDS @ 24" O.C.
- 9.40 (N) 1/2" TYPE 'X' GYPSUM BOARD DOUBLE LAYERS
- 9.41 (N) 4" METAL STUDS @ 24" O.C.- SEE FLOOR PLANS FOR WALL TYPE
- 9.43 (N) 5/8" GLASS FIBER FACED GYPSUM SHEATHING
- 9.44 (N) 8" METAL STUDS @ 24" O.C.
- 9.45 (N) EXTEND 2-LAYERS GYP. BD. TO U/S OF DECK
- 9.58 (N) 4" 20 GA METAL STUDS @ 16" O.C.
- 9.59 (N) GYPSUM BOARD CEILING OVER METAL STUD FRAMING
- 10.21 (N) SURFACE MOUNTED DISPLAY CASE (INTERNALLY ILLUMINATED W/LED), FOR MOUNTING DETAIL SEE 4/A5.04A
- 10.26 (N) WALL MOUNTED METAL BUILDING SIGNAGE
- 14.01 (N) 3500LB HOLE-LESS HYDRAULIC ELEVATOR, SEE SHEET G0.09 FOR ADDITIONAL INFORMATION
- 23.05 (N) DUCTWORK, FOR SUPPORT DETAILS SEE MECHANICAL DETAILS 2, 3, 4, 5 & 6/M503
- 23.09 (N) FIRE SMOKE DAMPER - SEE MECH/ELEC. PLANS
- 26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL

KEYNOTES

- 3.01 (N) CONCRETE SLAB ON GRADE
- 3.03 (N) CONCRETE ELEVATOR PENTHOUSE (2HR RATED PER CBC TABLE 721.1(2) ITEM # 4-1.1) - SEE STRUCTURAL DETAIL 30/S2.02
- 3.04 (N) CONCRETE CURB - SEE 23/S0.11
- 3.11 (N) CONCRETE FLOOR INFILL (2HR RATED PER CBC TABLE 721.1(3) ITEM 1-1.1) - SEE STRUCTURAL DETAIL 55/S2.04
- 3.14 (N) CONCRETE PIT - SEE STRUCTURAL
- 3.15 (N) CONCRETE SIDEWALK WITH CONTROL JOINTS WHERE INDICATED PER DETAIL 3/C5.00. SEE GENERAL NOTES 4 & 5 SHEET A1.00
- 3.17 (N) CONCRETE WALL (2HR RATED PER CBC TABLE 721.1(2) ITEM # 4-1.1) - SEE STRUCTURAL 30/S2.02
- 3.20 (N) CONCRETE ENCASEMENT BELOW EXISTING FOOTING - SEE STRUCTURAL DETAIL 25/S2.02
- 3.21 (N) CONCRETE DEEPENED SLAB EDGE - SEE STRUCTURAL DETAIL 26/S2.02
- 3.29 (N) 1/4" Ø x 1-5/8" MINIMUM EMBEDMENT HILTI HUS CONCRETE SCREW ANCHOR AT 24" MAX SPACING (ICC ESR-3027)
- 5.16 (N) STEEL RAILING (GALVANIZED AND PAINTED)
- 5.21 (N) STEEL RAILING WITH 3" x 10" HOLLOW STEEL TOP RAIL (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
- 5.41 (N) GALV. MTL. DRAFT STOP PER DETAIL 1/M6.04
- 5.46 (N) 18 GA. GALV. MTL. CLIP ANGLE, ATTACH TO CONC. SLAB W/1/4" Ø x 1-5/8" MINIMUM EMBEDMENT HILTI HUS CONCRETE SCREW ANCHOR AT 24" MAX SPACING (ICC ESR-3027)
- 7.12 (N) R-21 BATT INSULATION
- 7.17 (N) WATERPROOFING SYSTEM - SEE DETAIL 6/A5.04A
- 7.21 (N) SEISMIC EXPANSION JOINT
- 7.22 (N) 2HR FIRE SAFING INSULATION

LEGEND

- 2-HR CONSTRUCTION
- EXISTING STUD WALL TO REMAIN
- NEW STUD WALL
- (E) CONCRETE CONSTRUCTION
- (N) CONCRETE CONSTRUCTION, SEE STRUCTURAL

0' 1' 2' 4' 8'

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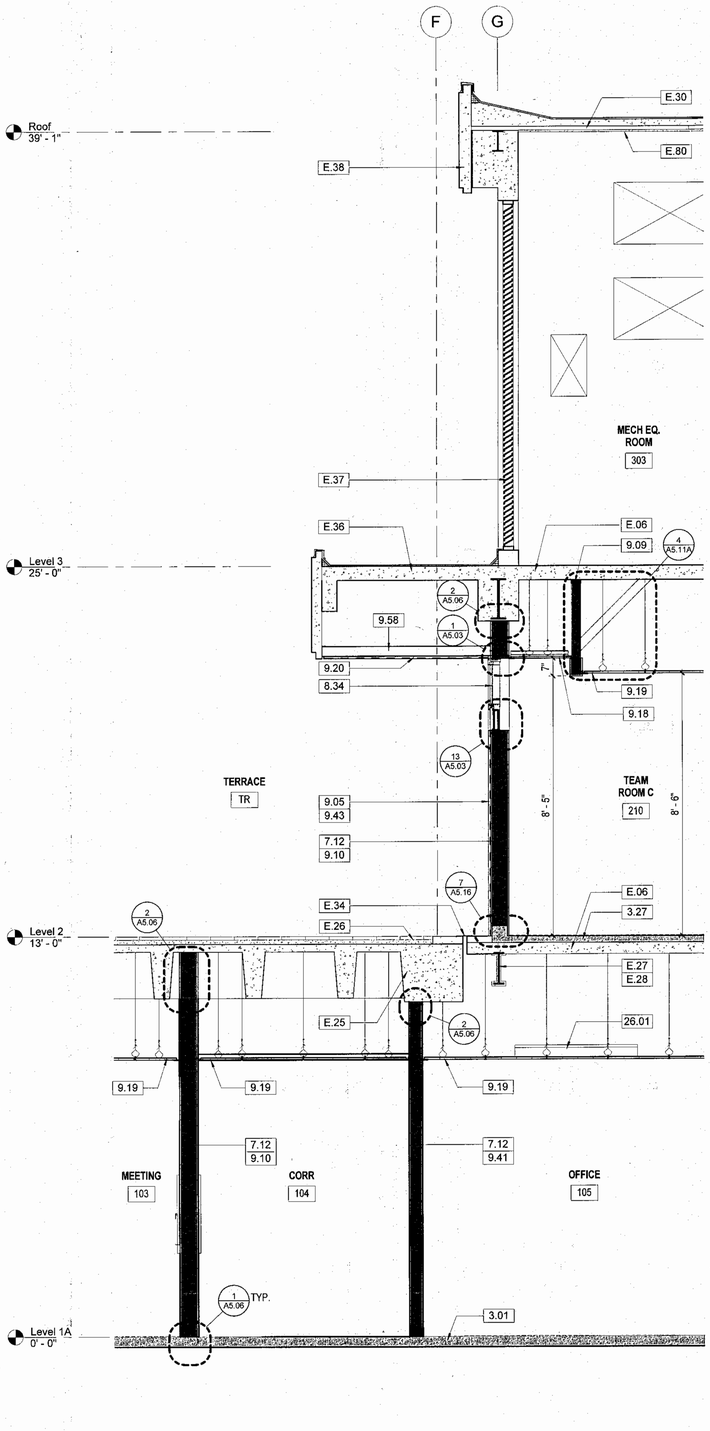
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ/RJF
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

WALL SECTIONS

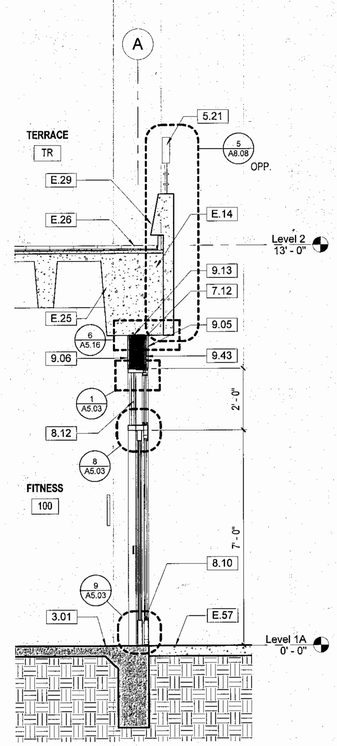
IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A3.03

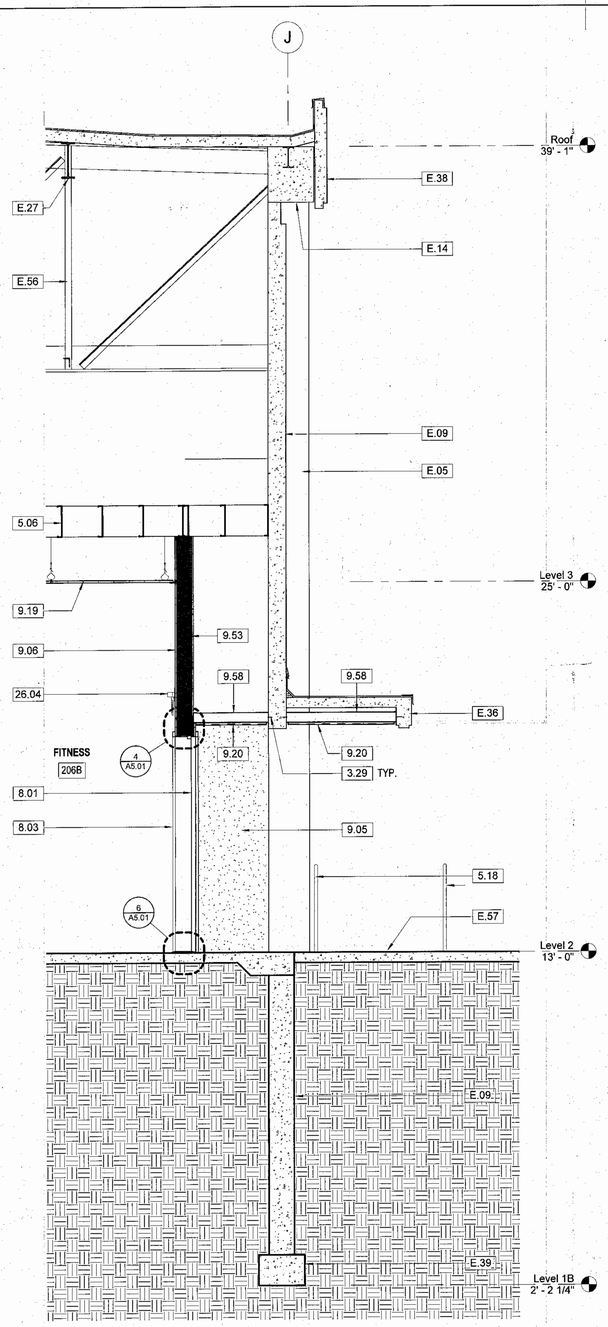
__ OF __



3 SECTION AT TEAM ROOM C 210
1/2" = 1'-0"



2 SECTION AT FITNESS 100 E. WALL
1/2" = 1'-0"



1 SECTION AT FITNESS 206B
1/2" = 1'-0"

EXISTING KEYNOTES E#

- E.05 (E) CONCRETE COLUMN
- E.06 (E) CONCRETE SLAB TO REMAIN
- E.09 (E) CONCRETE WALL
- E.14 (E) CONCRETE BEAM TO REMAIN
- E.25 (E) WAFFLE SLAB TO REMAIN
- E.26 (E) CONCRETE PAVERS TO REMAIN
- E.27 (E) STEEL BEAM WITH 3HR FIREPROOFING TO REMAIN
- E.28 (E) 3HR VERMICULITE PLASTER UL RATED FIREPROOFING TO REMAIN, PATCH & REPAIR AS NEEDED BY APPLYING MONOKOTE MK6HY (UL ER4339-02) TO MEET OR EXCEED PREVIOUSLY APPLIED THICKNESS
- E.29 (E) CONCRETE GUARDRAIL WALL TO REMAIN
- E.30 (E) 2HR METAL DECK AND CONCRETE SLAB TO REMAIN
- E.34 (E) SEISMIC EXPANSION JOINT TO REMAIN IN PLACE
- E.36 (E) CANOPY/FASCIA TO REMAIN IN PLACE, PATCH, REPAIR, & PAINT TO MATCH EXISTING AS NEEDED
- E.37 (E) PAINTED METAL LOUVERS
- E.38 (E) PRECAST CONCRETE FASCIA
- E.39 (E) CONCRETE FOOTING TO REMAIN
- E.56 (E) STEEL ROOF TRUSS TO REMAIN
- E.57 (E) CONCRETE SIDEWALK TO REMAIN
- E.80 (E) 2HR SPRAYED FIREPROOFING TO REMAIN

KEYNOTES

- 9.43 (N) 5/8" GLASS FIBER FACED GYPSUM SHEATHING
- 9.53 (N) METAL STUD WALL INFILL TO MATCH WIDTH OF (E) ADJACENT WALL, SEE DETAILS 8, 12, 13, 14 ON SHEET A5.16. SEE FLOOR PLANS FOR WALL TYPE
- 9.58 (N) 4" 20 GA METAL STUDS @ 16" O.C.
- 26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL
- 26.04 (N) ILLUMINATED EXIT SIGN

KEYNOTES

- 3.01 (N) CONCRETE SLAB ON GRADE
- 3.27 (N) CONCRETE TOPPING
- 3.29 (N) 1/4" Ø x 1-5/8" MINIMUM EMBEDMENT HILTI HUS CONCRETE SCREW ANCHOR AT 24" MAX SPACING (ICC ESR-3027)
- 5.06 (N) STEEL JOIST FRAMING - SEE STRUCTURAL
- 5.18 (N) 1 1/4" DIAM. EXTRA STRONG STEEL RAILING (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
- 5.21 (N) STEEL RAILING WITH 3" x 10" HOLLOW STEEL TOP RAIL (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
- 7.12 (N) R-21 BATT INSULATION
- 8.01 (N) HOLLOW METAL DOOR - SEE FLOOR PLANS FOR DOOR NO.
- 8.03 (N) HOLLOW METAL DOOR FRAME
- 8.10 (N) CLEAR ANODIZED ALUMINUM STOREFRONT DOOR(S) - SEE FLOOR PLANS FOR DOOR NO.
- 8.12 (N) CLEAR ANODIZED ALUMINUM STOREFRONT CLERESTORY - SEE FLOOR PLANS FOR WINDOW TYPE
- 8.34 (N) DARK BRONZE ALUMINUM STOREFRONT CLERESTORY - SEE FLOOR PLANS FOR WINDOW TYPE
- 9.05 (N) EXTERIOR PLASTER OVER PAPER-BACKED METAL LATH
- 9.06 (N) 5/8" TYPE 'X' GYPSUM BOARD
- 9.09 (N) 3 5/8" METAL STUDS @ 24 " O.C.
- 9.10 (N) 6" METAL STUDS @ 24" O.C. FOR INTERIOR WALLS & 16" O.C. AT EXTERIOR WALLS - SEE NEW CONSTRUCTION FLOOR PLANS FOR WALL TYPE
- 9.13 (N) METAL DEFLECTION TRACK
- 9.18 (N) 5/8" TYPE 'X' GYPSUM BOARD CEILING
- 9.19 (N) SUSPENDED ACOUSTICAL CEILING
- 9.20 (N) CEMENT PLASTER CEILING ON METAL STUD FRAMING
- 9.41 (N) 4" METAL STUDS @ 24" O.C. - SEE FLOOR PLANS FOR WALL TYPE

LEGEND

- 2-HR CONSTRUCTION
- EXISTING STUD WALL TO REMAIN
- NEW STUD WALL
- (E) CONCRETE CONSTRUCTION
- (N) CONCRETE CONSTRUCTION, SEE STRUCTURAL

0' 1' 2' 4' 8'

CONSULTANT

AMADOR WHITTLE
ARCHITECTS, INC.

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
ACC FLS ZL SS
DATE 06-19-18

LICENSED ARCHITECT WILLIAM JORGE WHITTLE C-30048 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

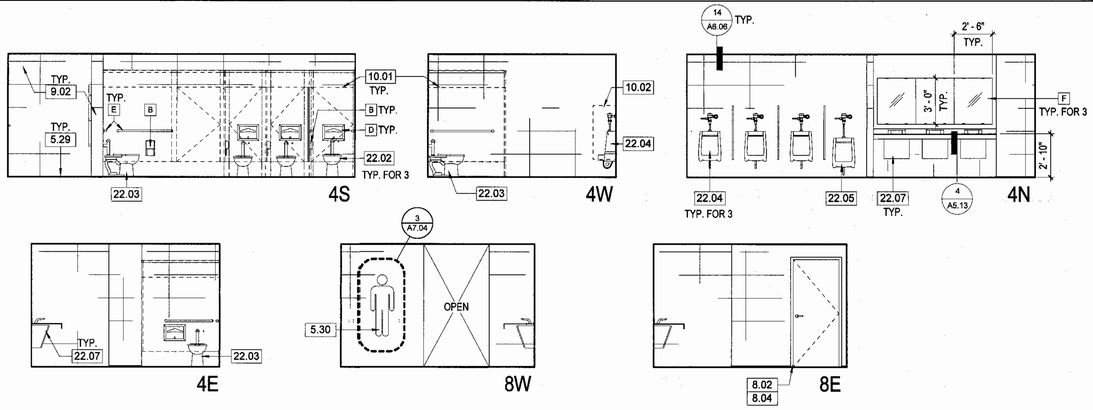
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WALL SECTIONS

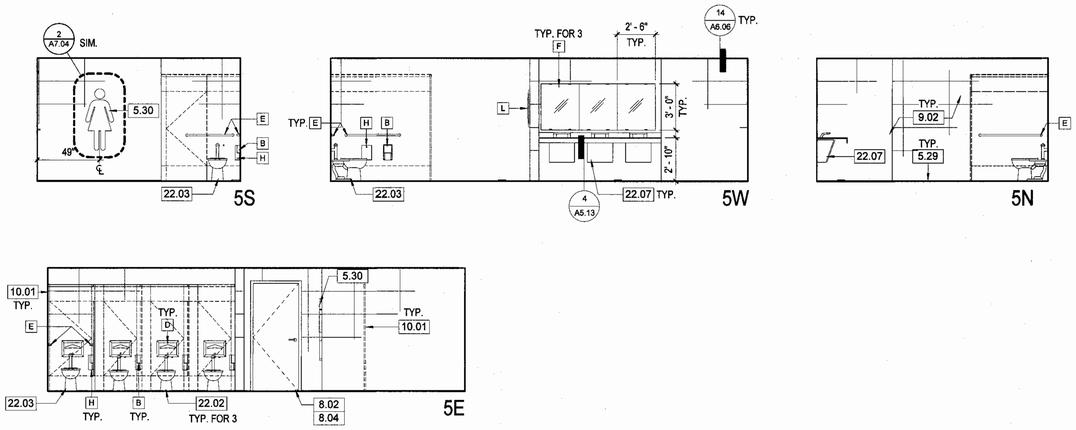
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A3.04
OF



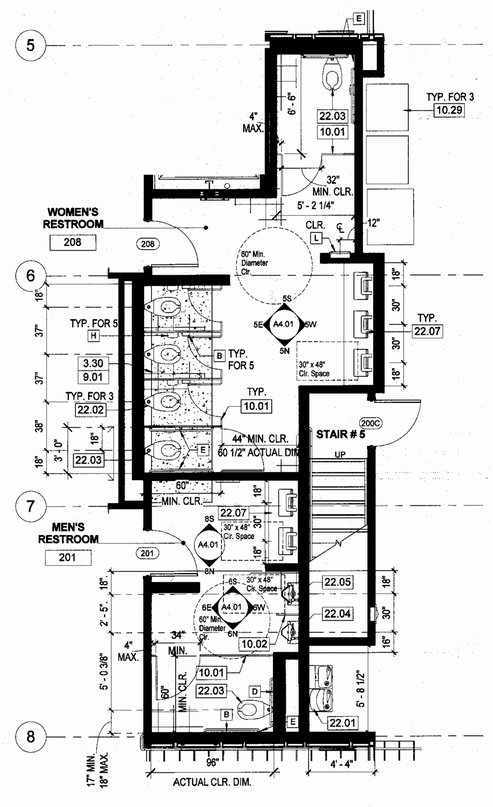
4 MEN'S 1ST FLOOR PUBLIC RESTROOM 109

1/4" = 1'-0"



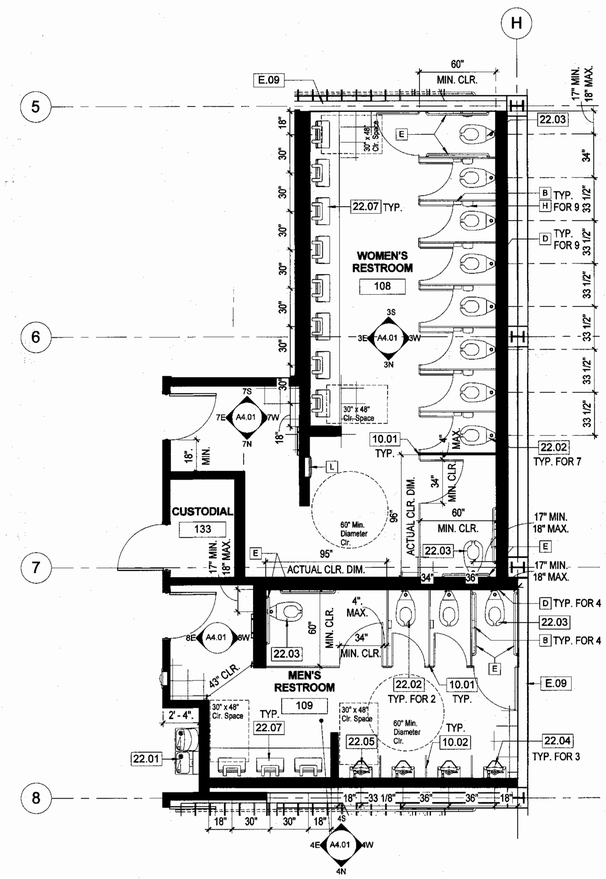
5 WOMEN'S 2ND FLOOR PUBLIC RESTROOM 208

1/4" = 1'-0"



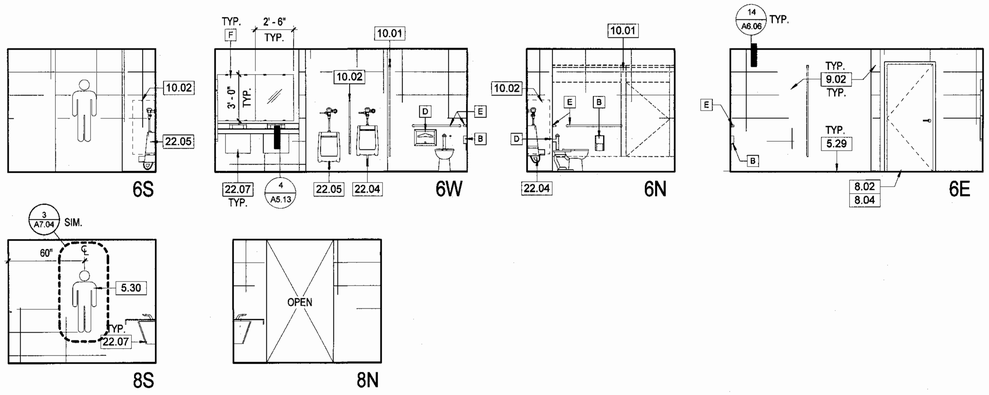
2 ENLARGED PLAN - 2ND FLOOR PUBLIC RESTROOMS

1/4" = 1'-0"



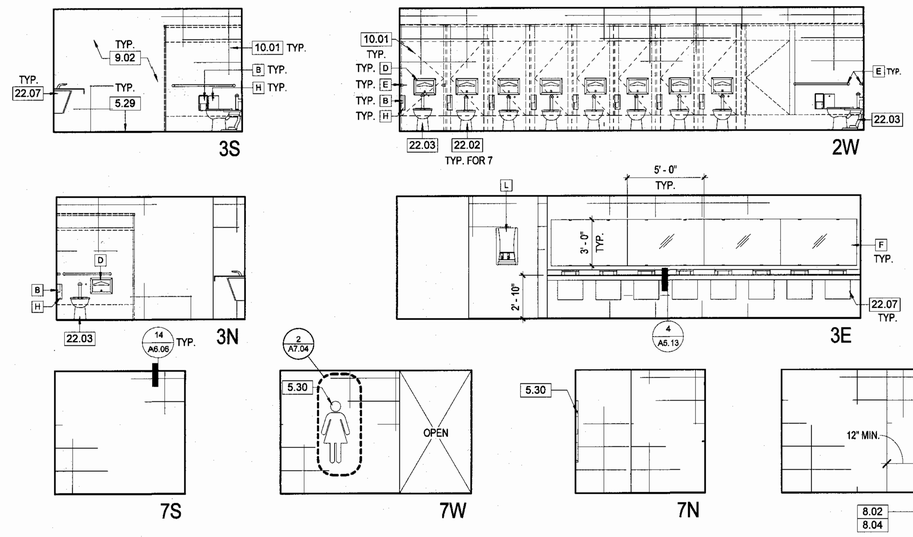
1 ENLARGED PLAN - 1ST FLOOR PUBLIC RESTROOMS

1/4" = 1'-0"



6 MEN'S 2ND FLOOR PUBLIC RESTROOM 201

1/4" = 1'-0"



3 ENLARGED PLAN - WOMEN'S 1ST FLOOR PUBLIC RESTROOM 108

1/4" = 1'-0"

EXISTING KEYNOTES [E#]

E.09 (E) CONCRETE WALL

KEYNOTES [#]

3.30 (N) CONCRETE FLOOR INFILL (2HR RATED PER CBC TABLE 721.1(3) ITEM 1-1.1) - SEE STRUCTURAL DETAIL 70/S2.05
5.29 (N) STAINLESS STEEL COVE BASE
5.30 (N) ALUMINUM BATHROOM SYMBOL, SEE SHEETS A7.01 THRU A7.04
8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
9.01 (N) PORCELAIN FLOOR TILES OVER 2" CONCRETE TOPPING SLAB, SLOPED TO DRAIN
9.02 (N) PORCELAIN WALL TILES
10.01 (N) TOILET PARTITION - SEE DETAIL 11/G0.08
10.02 (N) URINAL SCREEN - SEE DETAIL 11/G0.08
10.29 (E) VENDING MACHINE RELOCATED
22.01 (N) HI-LO DRINKING FOUNTAIN/BOTTLE FILLING STATION, SEE 1/A5.04A
22.02 WATER CLOSET, SEE PLUMBING DRAWINGS
22.03 ACCESSIBLE WATER CLOSET, SEE PLUMBING DRAWINGS
22.04 URINAL, SEE PLUMBING DRAWINGS
22.05 ACCESSIBLE URINAL, SEE PLUMBING DRAWINGS
22.07 (N) ACCESSIBLE LAVATORY, SEE PLUMBING DRAWINGS

ACCESSORIES SCHEDULE [-]

A NOT USED
B TOILET PAPER DISPENSER
C NOT USED
D TOILET SEAT COVER DISPENSER
E STAINLESS STEEL GRAB BAR
F MIRROR (SEE INTERIOR ELEV. FOR SIZE)
G NOT USED
H NAPKIN DISPOSAL
J NOT USED
K NOT USED
L NAPKIN VENDOR

GENERAL NOTES

1. RESTROOMS SHALL COMPLY WITH ACCESSIBILTY REQUIREMENTS INDICATED ON SHEET G0.08
2. FOR RESTROOMS & SHOWER ROOMS, PROVIDE A TURNING SPACE THAT COMPLIES WITH CBC 11B 304.3
3. ACCESSIBLE TOILET STALLS SHALL BE PROVIDED WITH A LATCH THAT DOES NOT REQUIRE GRASPING OR TWISTING AND A U-SHAPE OR LOOP IMMEDIATELY BELOW THE LATCH ON THE INSIDE AND OUTSIDE OF THE PARTITION DOOR
4. REFER TO STRUCTURAL SHEET S1.01 FOR LOCATIONS OF FLOOR DEPRESSIONS AND CONCRETE CURBS
5. REFER TO SHEETS A7.01 AND A7.02 FOR SIGNAGE DETAILS AND LOCATIONS OF SIGNS.
6. SLOPE CONC. TOPPING TO FLOOR DRAINS

LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

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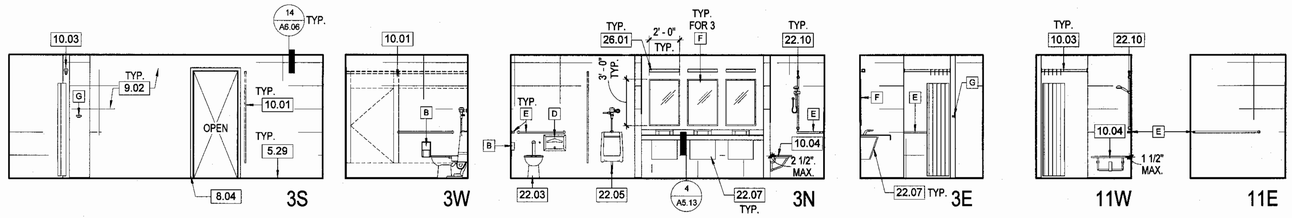
REVISIONS	DATE: 03/26/18
	DRAWN: JA
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

PUBLIC RESTROOMS ENLARGED PLANS & INTERIOR ELEVATIONS

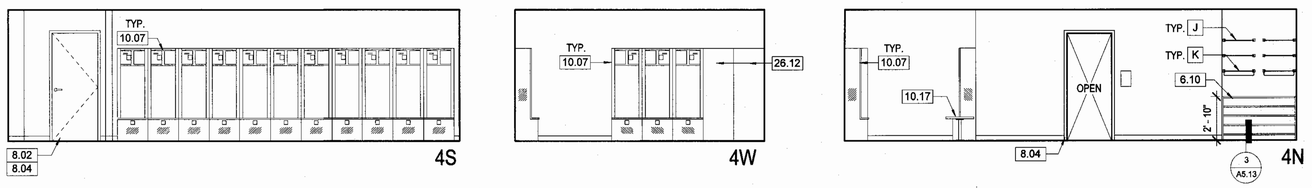
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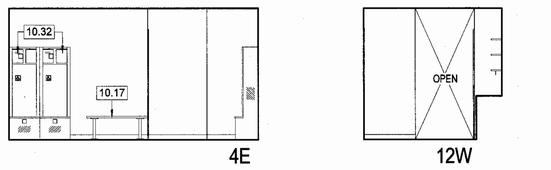
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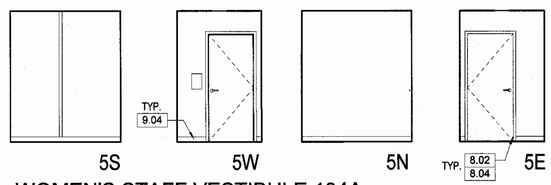


3 MEN'S STAFF RESTROOM 116A
1/4" = 1'-0"

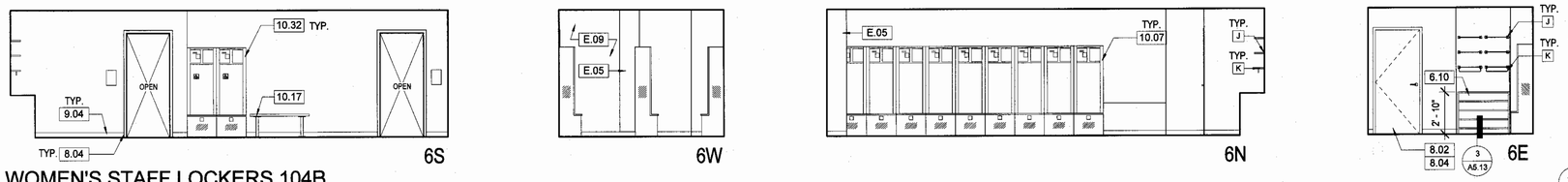




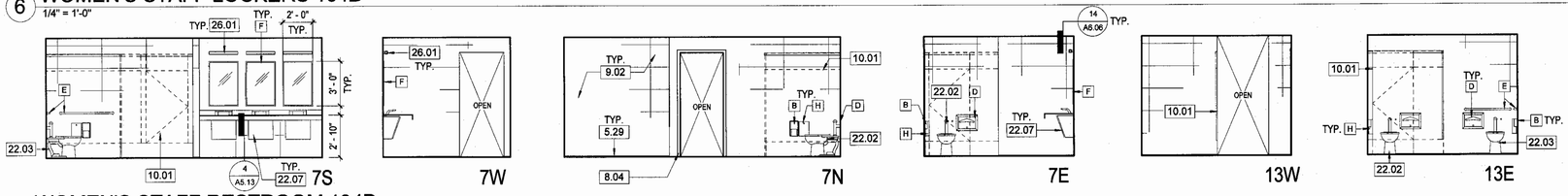
4 MEN'S STAFF LOCKERS 116
1/4" = 1'-0"



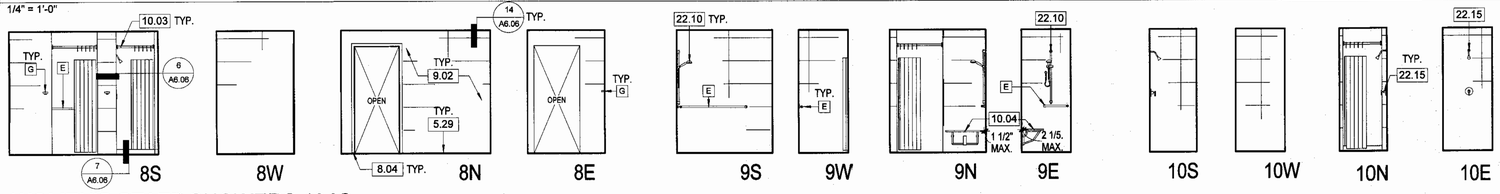
5 WOMEN'S STAFF VESTIBULE 104A
1/4" = 1'-0"



6 WOMEN'S STAFF LOCKERS 104B
1/4" = 1'-0"



7 WOMEN'S STAFF RESTROOM 104D
1/4" = 1'-0"



8 WOMEN'S STAFF SHOWERS 104C
1/4" = 1'-0"

EXISTING KEYNOTES E#

E.05	(E) CONCRETE COLUMN
E.09	(E) CONCRETE WALL
E.20	(E) STUD WALL TO REMAIN (1HR RATED WHERE SHOWN ON FLOOR PLANS)

KEYNOTES

22.03	ACCESSIBLE WATER CLOSET, SEE PLUMBING DRAWINGS
22.05	ACCESSIBLE URINAL, SEE PLUMBING DRAWINGS
22.07	(N) ACCESSIBLE LAVATORY, SEE PLUMBING DRAWINGS
22.10	(N) ACCESSIBLE SHOWER FIXTURE
22.15	(N) SHOWER FIXTURE, SEE PLUMBING DRAWINGS
26.01	(N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL
26.12	(N) ELECTRICAL PULLBOX PAINTED TO MATCH COLOR OF LOCKERS - SEE 1/E190

KEYNOTES

5.29	(N) STAINLESS STEEL COVE BASE
6.10	(N) CASEWORK - COUNTER AND CABINETS - SEE SHEETS A5.12 & A5.13
8.02	(N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04	(N) ANODIZED ALUMINUM DOOR FRAME
9.02	(N) PORCELAIN WALL TILES
9.04	(N) RUBBER TOPSET BASE
10.01	(N) TOILET PARTITION - SEE DETAIL 11/G0.08
10.03	(N) SHOWER ROD AND CURTAIN
10.04	(N) ACCESSIBLE FOLDING SHOWER SEAT - SEE DETAIL 15/G0.08
10.07	(N) 24" x 18" GEAR LOCKER - SEE DETAILS 9, 10 & 13/A5.04A FOR ANCHORAGE
10.17	(N) ACCESSIBLE BENCH, SEE 11/A5.04A
10.32	(N) ACCESSIBLE 24" x 18" GEAR LOCKER
22.02	WATER CLOSET, SEE PLUMBING DRAWINGS

LOCKER ANALYSIS:

MEN'S STAFF LOCKERS

TOTAL LOCKERS COUNT:	18
TOTAL ACCESSIBLE LOCKERS REQUIRED 5% :	1
TOTAL ACCESSIBLE LOCKERS PROVIDED:	2

WOMEN'S STAFF LOCKERS

TOTAL LOCKERS COUNT:	18
TOTAL ACCESSIBLE LOCKERS REQUIRED 5% :	1
TOTAL ACCESSIBLE LOCKERS PROVIDED:	2

ACCESSORIES SCHEDULE -

A	NOT USED
B	TOILET PAPER DISPENSER
C	NOT USED
D	TOILET SEAT COVER DISPENSER
E	STAINLESS STEEL GRAB BAR
F	MIRROR (SEE INTERIOR ELEV. FOR SIZE)
G	ROBE HOOK
H	NAPKIN DISPOSAL
J	STAINLESS STEEL TOWEL SHELF
K	STAINLESS STEEL TOWEL SHELF W/ BAR
L	NOT USED

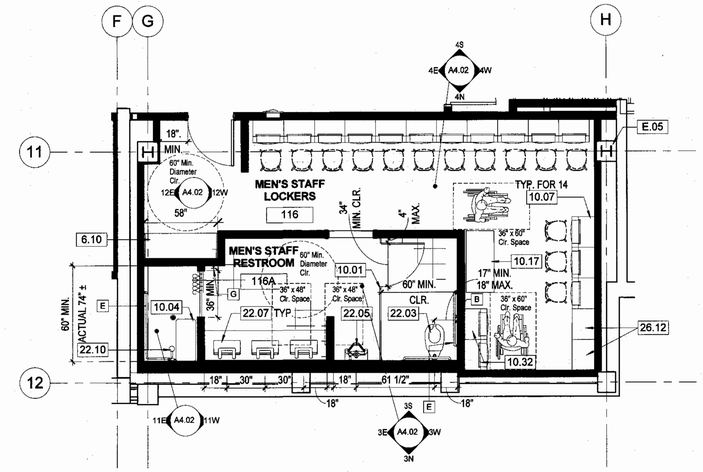
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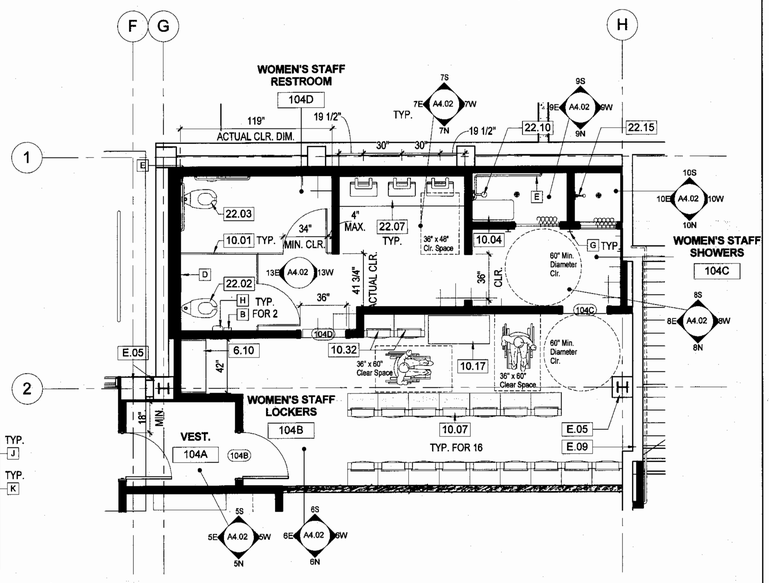
LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'



1 ENLARGED PLAN - MEN'S STAFF LOCKERS
1/4" = 1'-0"



2 ENLARGED PLAN - WOMEN'S STAFF LOCKERS
1/4" = 1'-0"

CONSULTANT

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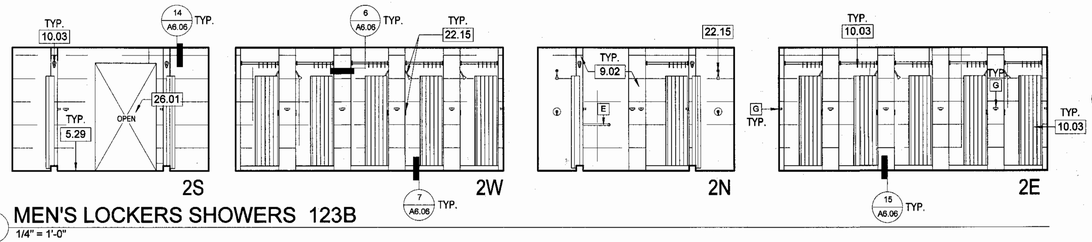
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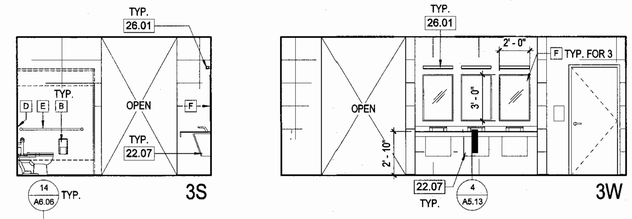
STAFF LOCKERS (MEN & WOMEN)
ENLARGED PLANS & INTERIOR ELEVATIONS

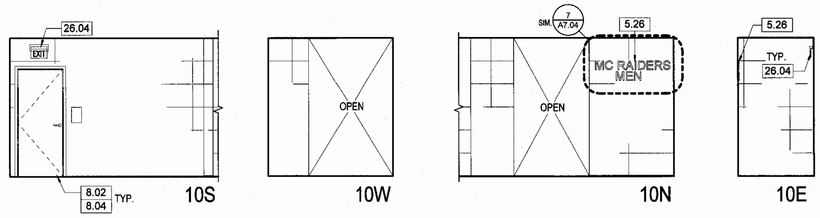
IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

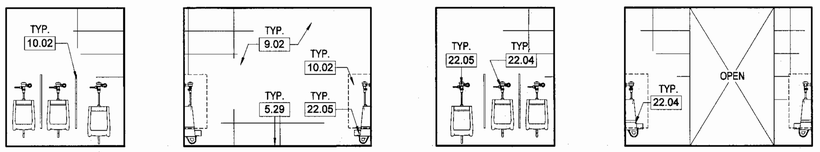
A4.02
___ OF ___



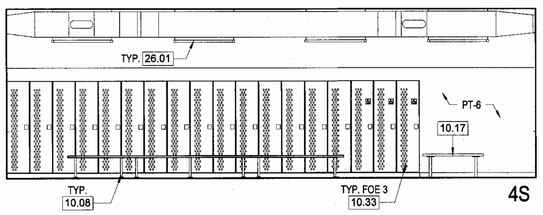
2 MEN'S LOCKERS SHOWERS 123B
1/4" = 1'-0"

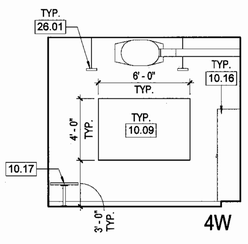


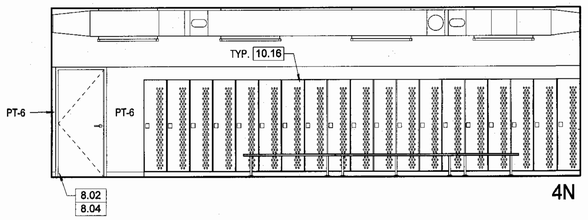


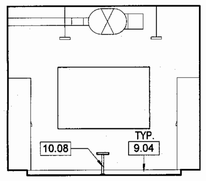


3 MEN'S LOCKERS RESTROOM 123A
1/4" = 1'-0"

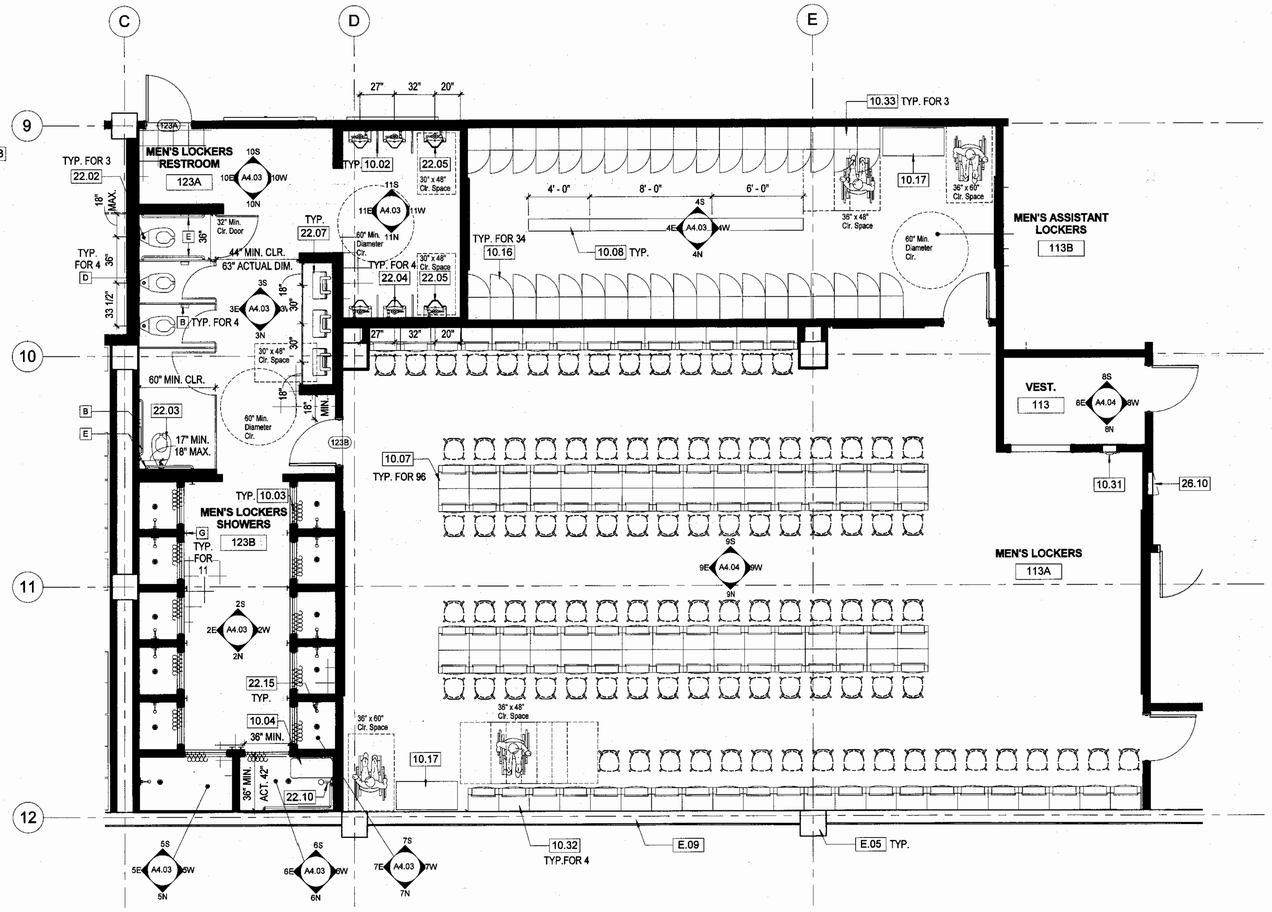




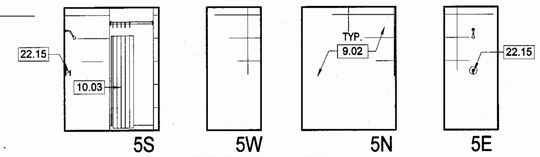




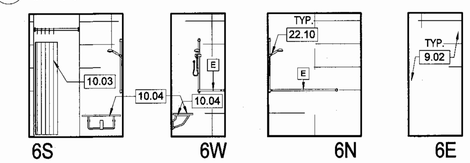
4 MEN'S ASSISTANT LOCKERS 113B
1/4" = 1'-0"



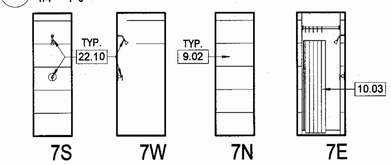
1 ENLARGED PLAN - MENS LOCKER ROOM
1/4" = 1'-0"



5 MEN'S LOCKERS SHOWERS - LARGE
1/4" = 1'-0"



6 MEN'S LOCKERS SHOWERS - ACCESSIBLE
1/4" = 1'-0"



7 MEN'S LOCKERS SHOWERS - TYPICAL
1/4" = 1'-0"

EXISTING KEYNOTES E#

E.05	(E) CONCRETE COLUMN
E.09	(E) CONCRETE WALL

KEYNOTES

22.15	(N) SHOWER FIXTURE, SEE PLUMBING DRAWINGS
26.01	(N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL
26.04	(N) ILLUMINATED EXIT SIGN
26.10	(N) FULLY RECESSED ELECTRICAL PANEL (SEE ELECTRICAL) MOUNTED 48" A.F.F. TO HANDLE - PAINT TRIM TO MATCH ADJACENT WALL

KEYNOTES

5.26	(N) NON-ILLUMINATED ALUMINUM LETTERING - SEE SHEETS A7.01 THRU A7.04
5.29	(N) STAINLESS STEEL COVE BASE
8.02	(N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04	(N) ANODIZED ALUMINUM DOOR FRAME
9.02	(N) PORCELAIN WALL TILES
9.04	(N) RUBBER TOPSET BASE
10.01	(N) TOILET PARTITION - SEE DETAIL 11/G0.08
10.02	(N) URINAL SCREEN - SEE DETAIL 11/G0.08
10.03	(N) SHOWER ROD AND CURTAIN
10.04	(N) ACCESSIBLE FOLDING SHOWER SEAT - SEE DETAIL 15/G0.08
10.07	(N) 24" x 18" GEAR LOCKER - SEE DETAILS 9, 10 & 13/A5.04A FOR ANCHORAGE
10.08	(N) BENCH, SEE 15/A5.04A
10.09	(N) WHITE MARKERBOARD - SEE INTERIOR ELEVATIONS FOR SIZE, FOR MOUNTING DETAIL SEE 4/A5.04A
10.16	(N) 18" x 18" SINGLE TIER LOCKER (MESH DOOR FINISH)- SEE DETAILS 12, 13 & 14/A5.04A FOR ANCHORAGE
10.17	(N) ACCESSIBLE BENCH, SEE 11/A5.04A
10.31	(N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.
10.32	(N) ACCESSIBLE 24" x 18" GEAR LOCKER
10.33	(N) ACCESSIBLE 18" x 18" SINGLE TIER LOCKER (MESH DOOR FINISH)
22.02	WATER CLOSET, SEE PLUMBING DRAWINGS
22.03	ACCESSIBLE WATER CLOSET, SEE PLUMBING DRAWINGS
22.04	URINAL, SEE PLUMBING DRAWINGS
22.05	ACCESSIBLE URINAL, SEE PLUMBING DRAWINGS
22.07	(N) ACCESSIBLE LAVATORY, SEE PLUMBING DRAWINGS
22.10	(N) ACCESSIBLE SHOWER FIXTURE

LOCKER ANALYSIS:

MEN'S LOCKER ROOM

TOTAL LOCKERS COUNT:	137
TOTAL ACCESSIBLE LOCKERS REQUIRED 5% :	7
TOTAL ACCESSIBLE LOCKERS PROVIDED:	7

ACCESSORIES SCHEDULE -

A	NOT USED
B	TOILET PAPER DISPENSER
C	NOT USED
D	TOILET SEAT COVER DISPENSER
E	STAINLESS STEEL GRAB BAR
F	MIRROR (SEE INTERIOR ELEV. FOR SIZE)
G	ROBE HOOK
H	NOT USED
J	NOT USED
K	NOT USED
L	NOT USED

GENERAL NOTES

1. RESTROOMS SHALL COMPLY WITH ACCESSIBILTY REQUIREMENTS INDICATED ON SHEET G0.08
2. FOR RESTROOMS & SHOWER ROOMS, PROVIDE A TURNING SPACE THAT COMPLIES WITH CBC 11B 304.3
3. ACCESSIBLE TOILET STALLS SHALL BE PROVIDED WITH A LATCH THAT DOES NOT REQUIRE GRASPING OR TWISTING AND A U-SHAPE OR LOOP IMMEDIATELY BELOW THE LATCH ON THE INSIDE AND OUTSIDE OF THE PARTITION DOOR
4. REFER TO STRUCTURAL SHEET S1.01 FOR LOCATIONS OF FLOOR DEPRESSIONS AND CONCRETE CURBS
5. REFER TO SHEETS A7.01 AND A7.02 FOR SIGNAGE DETAILS AND LOCATIONS OF SIGNS.
6. SLOPE CONC. TOWARD TO FLOOR DRAINS

LEGEND

XXX-1 — FINISH CALL-OUT SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
ADA FLS ZH SS KP
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN AMADOR C-26348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3808 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

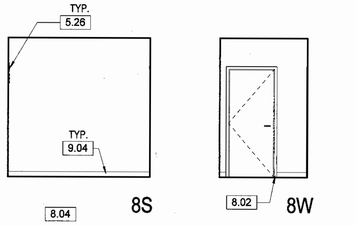
BACKCHECK SUBMITTAL

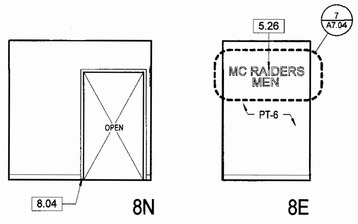
NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: WTJ/JA
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

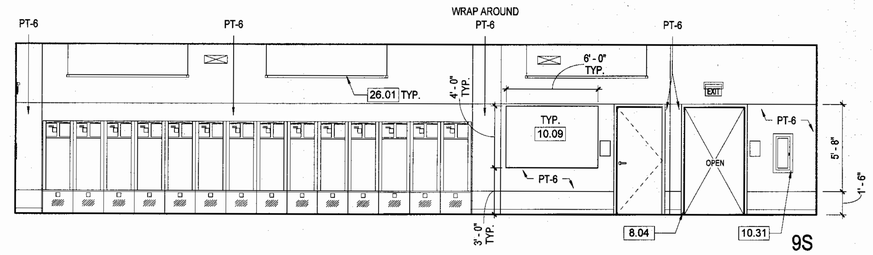
MENS LOCKER ROOM ENLARGED PLANS & INTERIOR ELEVATIONS
IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

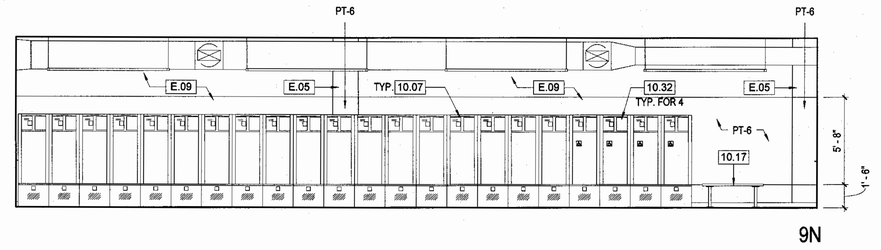
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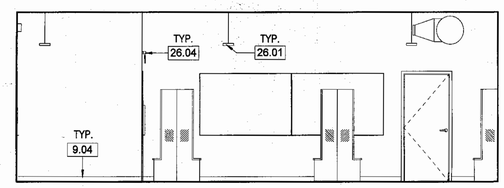


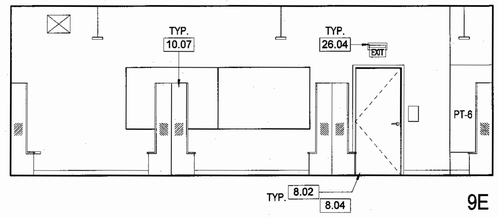
8 MEN'S LOCKER VESTIBULE 113
1/4" = 1'-0"





9 MEN'S LOCKERS 113A
1/4" = 1'-0"





LOCKER ANALYSIS:

MEN'S LOCKER ROOM

TOTAL LOCKERS COUNT:	137
TOTAL ACCESSIBLE LOCKERS REQUIRED 5% :	7
TOTAL ACCESSIBLE LOCKERS PROVIDED:	7

EXISTING KEYNOTES E#

E.05 (E) CONCRETE COLUMN
E.09 (E) CONCRETE WALL

KEYNOTES

5.26 (N) NON-ILLUMINATED ALUMINUM LETTERING - SEE SHEETS A7.01 THRU A7.04
8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
9.04 (N) RUBBER TOPSET BASE
10.07 (N) 24" x 18" GEAR LOCKER - SEE DETAILS 9, 10 & 13/A5.04A FOR ANCHORAGE
10.09 (N) WHITE MARKERBOARD - SEE INTERIOR ELEVATIONS FOR SIZE, FOR MOUNTING DETAIL SEE 4/A5.04A
10.17 (N) ACCESSIBLE BENCH, SEE 11/A5.04A
10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.
10.32 (N) ACCESSIBLE 24" x 18" GEAR LOCKER
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL
26.04 (N) ILLUMINATED EXIT SIGN

LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

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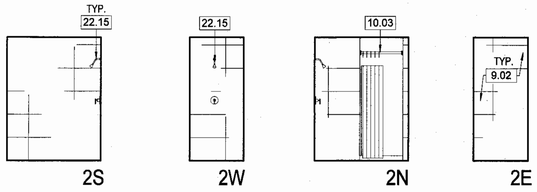
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	DRAWN: WTJ
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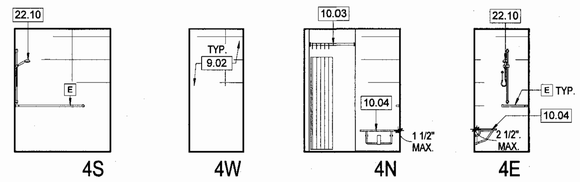
MENS LOCKER ROOM ENLARGED PLANS & INTERIOR ELEVATIONS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

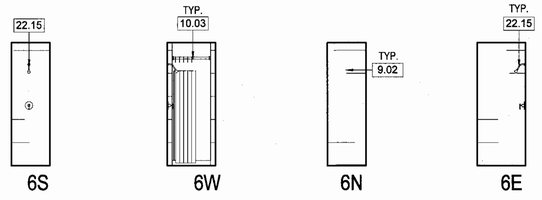
A4.04
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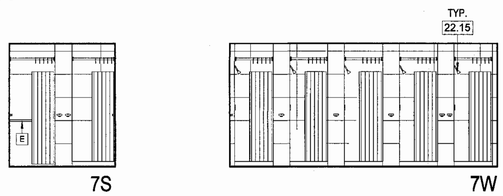
2 WOMEN'S LOCKERS LARGE SHOWER
1/4" = 1'-0"

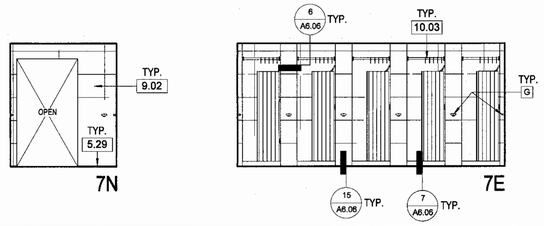


4 WOMEN'S LOCKERS ACCESSIBLE SHOWER
1/4" = 1'-0"

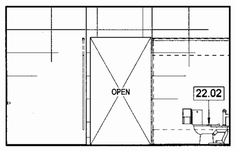


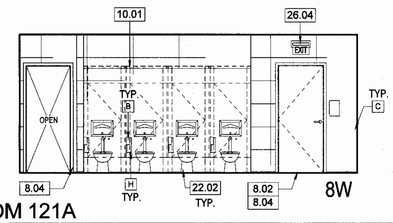
6 WOMEN'S LOCKER TYPICAL SHOWER
1/4" = 1'-0"

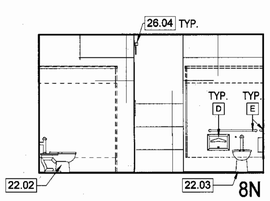


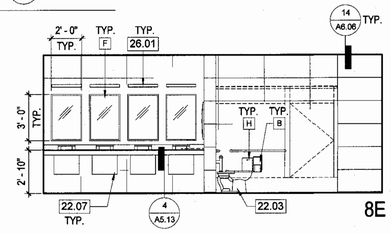


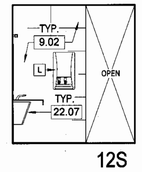
7 WOMEN'S LOCKERS SHOWERS 121B
1/4" = 1'-0"

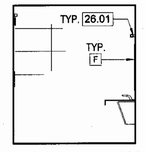




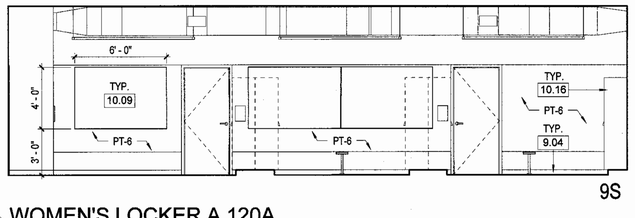


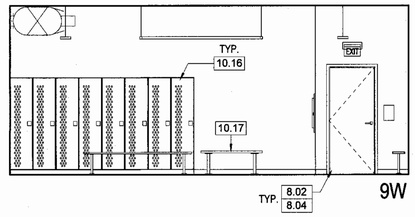


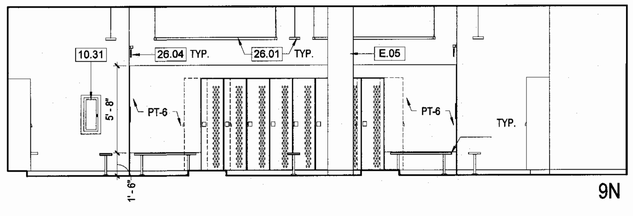


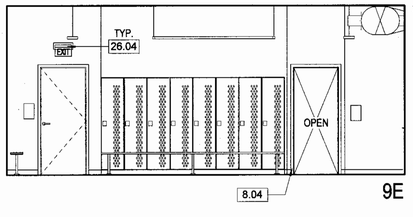


8 WOMEN'S LOCKERS RESTROOM 121A
1/4" = 1'-0"

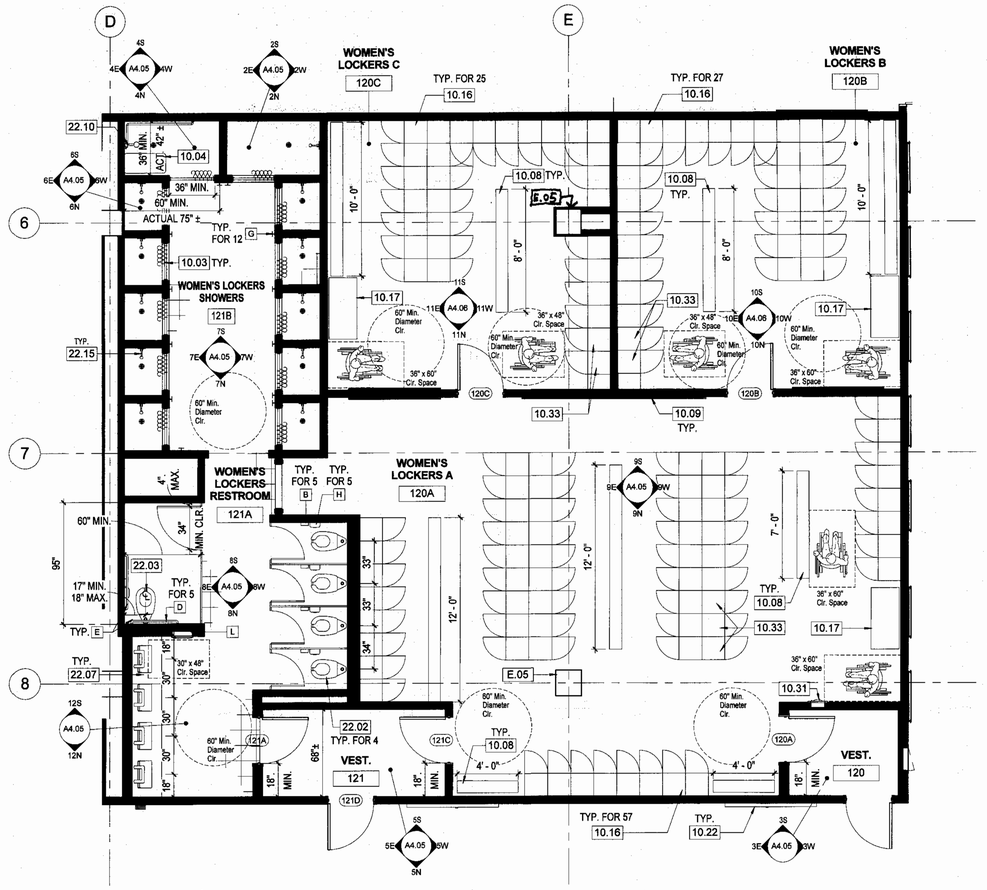








9 WOMEN'S LOCKER A 120A
1/4" = 1'-0"



1 ENLARGED PLAN - WOMEN'S LOCKER ROOM
1/4" = 1'-0"

EXISTING KEYNOTES E#

E.05 (E) CONCRETE COLUMN

KEYNOTES

5.26 (N) NON-ILLUMINATED ALUMINUM LETTERING - SEE SHEETS A7.01 THRU A7.04
5.29 (N) STAINLESS STEEL COVE BASE
8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
9.02 (N) PORCELAIN WALL TILES
9.04 (N) RUBBER TOPSET BASE
10.01 (N) TOILET PARTITION - SEE DETAIL 11/G0.08
10.03 (N) SHOWER ROD AND CURTAIN
10.04 (N) ACCESSIBLE FOLDING SHOWER SEAT - SEE DETAIL 15/G0.08
10.08 (N) BENCH, SEE 15/A5.04
10.09 (N) WHITE MARKERBOARD - SEE INTERIOR ELEVATIONS FOR SIZE, FOR MOUNTING DETAIL SEE 4/A5.04A
10.16 (N) 18" x 18" SINGLE TIER LOCKER (MESH DOOR FINISH)- SEE DETAILS 12, 13 & 14/A5.04A FOR ANCHORAGE
10.17 (N) ACCESSIBLE BENCH, SEE 11/A5.04A
10.22 (N) BULLETIN BOARD CASE W/ SLIDING GLASS, FOR MOUNTING DETAIL SEE 4/A5.04A
10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.
10.33 (N) ACCESSIBLE 18" x 18" SINGLE TIER LOCKER (MESH DOOR FINISH)
22.02 WATER CLOSET, SEE PLUMBING DRAWINGS
22.03 ACCESSIBLE WATER CLOSET, SEE PLUMBING DRAWINGS
22.07 (N) ACCESSIBLE LAVATORY, SEE PLUMBING DRAWINGS
22.10 (N) ACCESSIBLE SHOWER FIXTURE
22.15 (N) SHOWER FIXTURE, SEE PLUMBING DRAWINGS
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL
26.04 (N) ILLUMINATED EXIT SIGN

LOCKER ANALYSIS:

WOMEN'S STAFF LOCKERS

TOTAL LOCKERS COUNT:	116
TOTAL ACCESSIBLE LOCKERS REQUIRED 5% :	6
TOTAL ACCESSIBLE LOCKERS PROVIDED:	6

ACCESSORIES SCHEDULE -

A NOT USED
B TOILET PAPER DISPENSER
C NOT USED
D TOILET SEAT COVER DISPENSER
E STAINLESS STEEL GRAB BAR
F MIRROR (SEE INTERIOR ELEV. FOR SIZE)
G ROBE HOOK
H NAPKIN DISPOSAL
J NOT USED
K NOT USED
L NAPKIN VENDOR

GENERAL NOTES

1. RESTROOMS SHALL COMPLY WITH ACCESSIBILTY REQUIREMENTS INDICATED ON SHEET G0.08
2. FOR RESTROOMS & SHOWER ROOMS, PROVIDE A TURNING SPACE THAT COMPLIES WITH CBC 11B 304.3
3. ACCESSIBLE TOILET STALLS SHALL BE PROVIDED WITH A LATCH THAT DOES NOT REQUIRE GRASPING OR TWISTING AND A U-SHAPE OR LOOP IMMEDIATELY BELOW THE LATCH ON THE INSIDE AND OUTSIDE OF THE PARTITION DOOR
4. REFER TO STRUCTURAL SHEET S1.01 FOR LOCATIONS OF FLOOR DEPRESSIONS AND CONCRETE CURBS
5. REFER TO SHEETS A7.01 AND A7.02 FOR SIGNAGE DETAILS AND LOCATIONS OF SIGNS.
6. SLOPE CONC. TOPPING TO FLOOR DRAINS

LEGEND

XXX-1 FINISH CALL-OUT SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS ZM SS
DATE 08-19-18

AMADOR WHITTLE ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM TODD JAMISON C-20348 JANUARY 31, 2019 RENEWAL STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 . (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

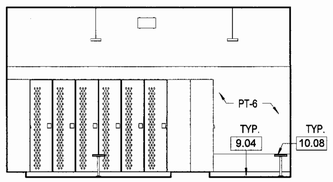
NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	
	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

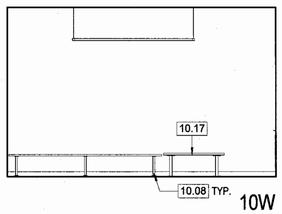
WOMENS LOCKER ROOM ENLARGED PLANS & INTERIOR ELEVATIONS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE; SCALE DRAWINGS ACCORDINGLY

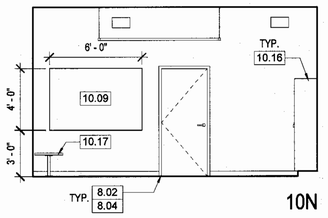
A4.05
__ OF __



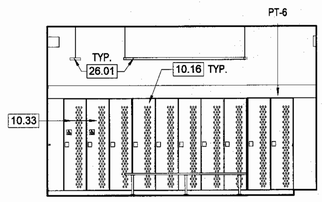
10S



10W



10N

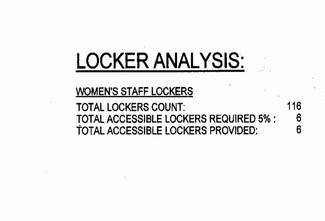


10E

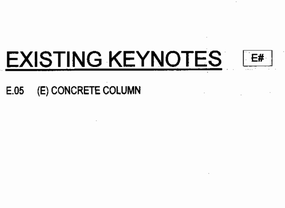
10 WOMEN'S LOCKER B 120B
1/4" = 1'-0"

11S

11W



11N



11E

11 WOMEN'S LOCKER C 120C
1/4" = 1'-0"

LOCKER ANALYSIS:

WOMEN'S STAFF LOCKERS

TOTAL LOCKERS COUNT:	116
TOTAL ACCESSIBLE LOCKERS REQUIRED 5% :	6
TOTAL ACCESSIBLE LOCKERS PROVIDED:	6

EXISTING KEYNOTES E#

E.05 (E) CONCRETE COLUMN

KEYNOTES

8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
9.04 (N) RUBBER TOPSET BASE
10.08 (N) BENCH, SEE 15/A5.04
10.09 (N) WHITE MARKERBOARD - SEE INTERIOR ELEVATIONS FOR SIZE, FOR MOUNTING DETAIL SEE 4/A5.04A
10.16 (N) 18" x 18" SINGLE TIER LOCKER (MESH DOOR FINISH)- SEE DETAILS 12, 13 & 14/A5.04A FOR ANCHORAGE
10.17 (N) ACCESSIBLE BENCH, SEE 11/A5.04A
10.33 (N) ACCESSIBLE 18" x 18" SINGLE TIER LOCKER (MESH DOOR FINISH)
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL

LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

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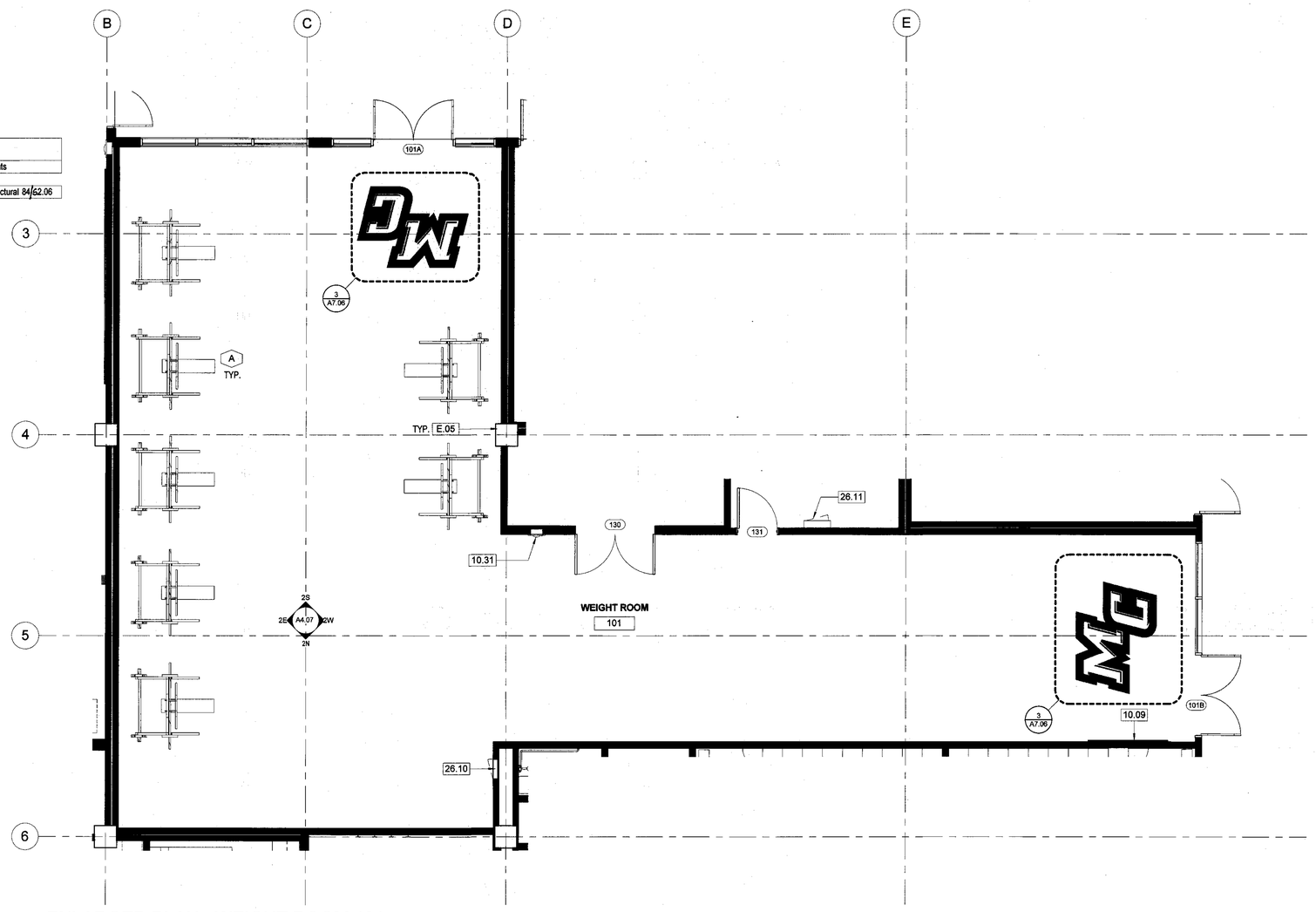
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
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	JOB NO: 16-MPC-023

WOMENS LOCKER ROOM ENLARGED PLANS & INTERIOR ELEVATIONS
IF THIS SHEET IS NOT 36" X 48", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

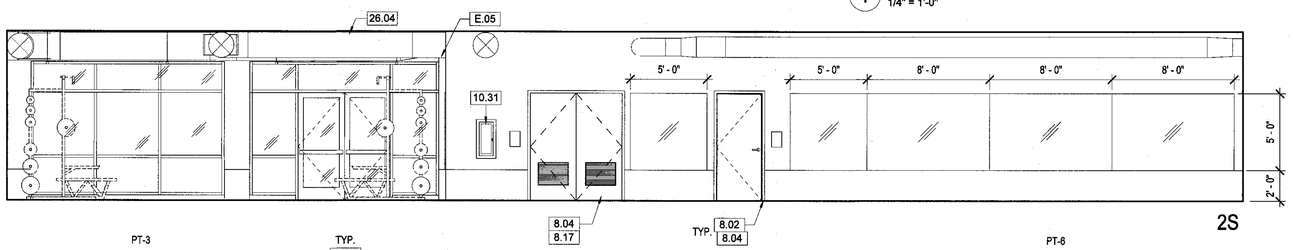
A4.06
__ OF __

EQUIPMENT SCHEDULE - WEIGHT ROOM 101 (-)

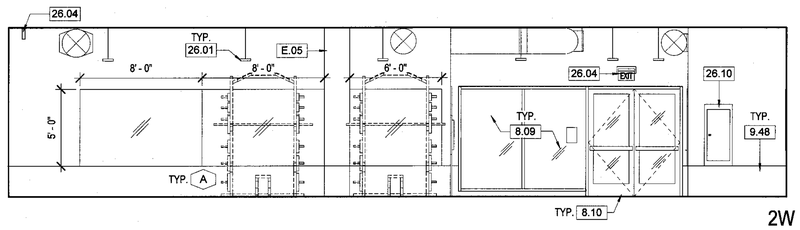
Mark	Type	Furnished By	Length	Width	Height	Qty.	Manufacturer	Model	Comments
A	Half Rack Set	Owner	57.5"	74"	96.5"	7	Hammer Strength	HD Elite Half Rack	For Anchorage See Structural S4/S2.06



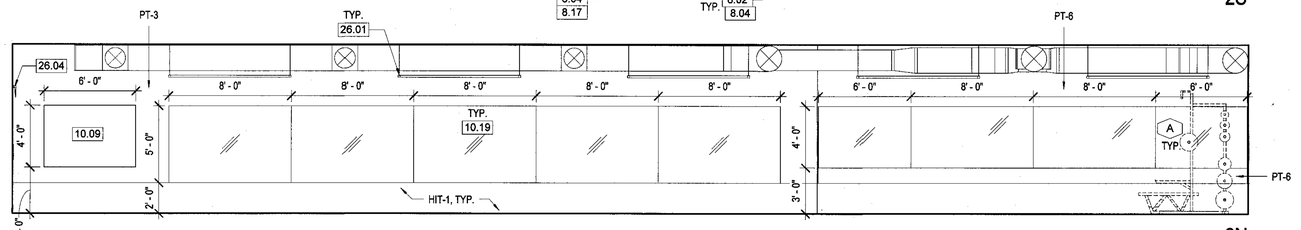
1 ENLARGED PLAN - WEIGHT ROOM 101
1/4" = 1'-0"



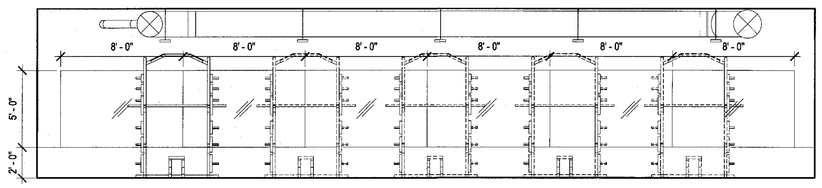
2S



2W



2N



2E

2 WEIGHT ROOM 101
1/4" = 1'-0"

EXISTING KEYNOTES (E#)

E.05 (E) CONCRETE COLUMN

KEYNOTES (#)

8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
8.09 (N) CLEAR ANODIZED ALUMINUM STOREFRONT - SEE FLOOR PLANS FOR WINDOW TYPE
8.10 (N) CLEAR ANODIZED ALUMINUM STOREFRONT DOOR(S) - SEE FLOOR PLANS FOR DOOR NO.
8.17 (N) SOLID CORE WOOD DOOR W/ LOUVER - SEE FLOOR PLANS FOR DOOR NO.
9.48 (N) HIGH IMPACT THERMOPLASTIC
10.09 (N) WHITE MARKERBOARD - SEE INTERIOR ELEVATIONS FOR SIZE, FOR MOUNTING DETAIL SEE 4/A5.04A
10.19 (N) IMPACT RESISTANT MIRROR - SEE INTERIOR ELEVATIONS FOR SIZE
10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL
26.04 (N) ILLUMINATED EXIT SIGN
26.10 (N) FULLY RECESSED ELECTRICAL PANEL (SEE ELECTRICAL) MOUNTED 48" A.F.F. TO HANDLE - PAINT TRIM TO MATCH ADJACENT WALL
26.11 (N) SURFACE MOUNTED ELECTRICAL PANEL (SEE ELECTRICAL) MOUNTED 48" A.F.F. TO HANDLE - PAINT TRIM TO MATCH ADJACENT WALL

LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

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ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH WHITTLE C-30348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
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BACKCHECK SUBMITTAL

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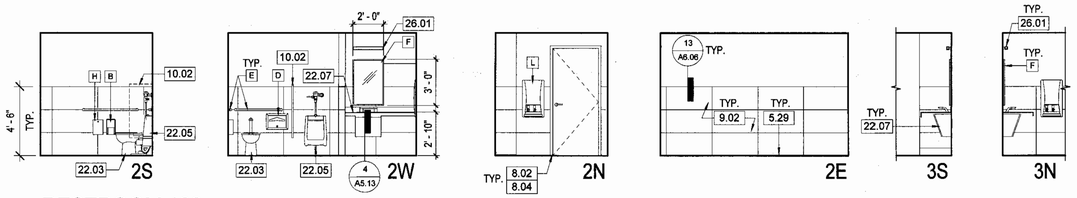
WEIGHT ROOM 101 ENLARGED PLAN & INTERIOR ELEVATIONS

IF THIS SHEET IS NOT 36"X 48", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

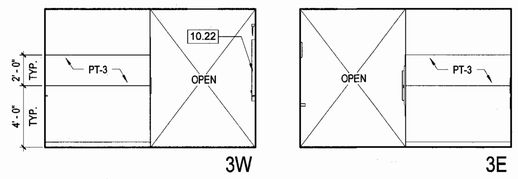
A4.07
__ OF __

EQUIPMENT SCHEDULE - WET ROOM (-)

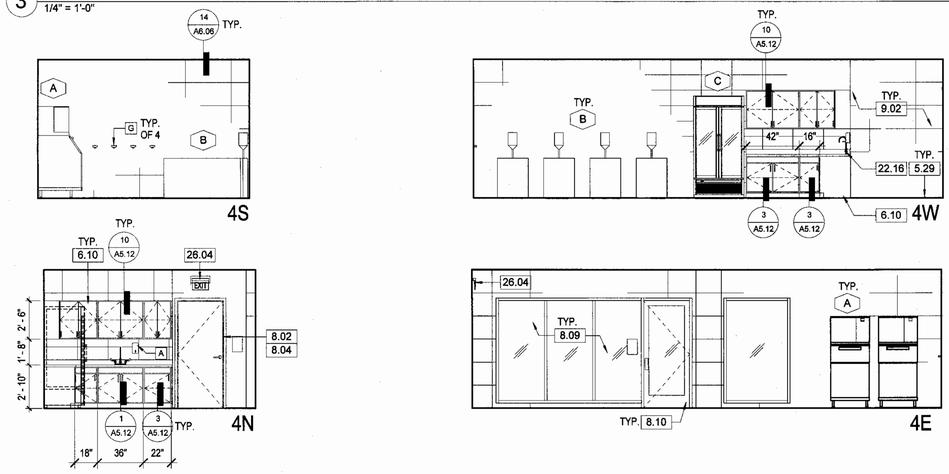
Mark	Type	Furnished By	Length	Width	Height	Weight in Pounds	Qty.	Manufacturer	Model	Comments
A	Ice Machine	Contractor	34"	30"	71 ½"	310	2	Manitowoc	I-606 B-570	For Anchorage See Plumbing 15/P4.00
B	Whirlpool	Contractor	66"	24"	24"	235	4	Whitehall	L Series 105 Gallon S	For Anchorage See Plumbing 11/P4.00
C	Refrigerator	Contractor	34 ½"	39 ½"	77"	385	1	Turbo Air	TGM-35SDB	For Anchorage See Structural 73/S2.06

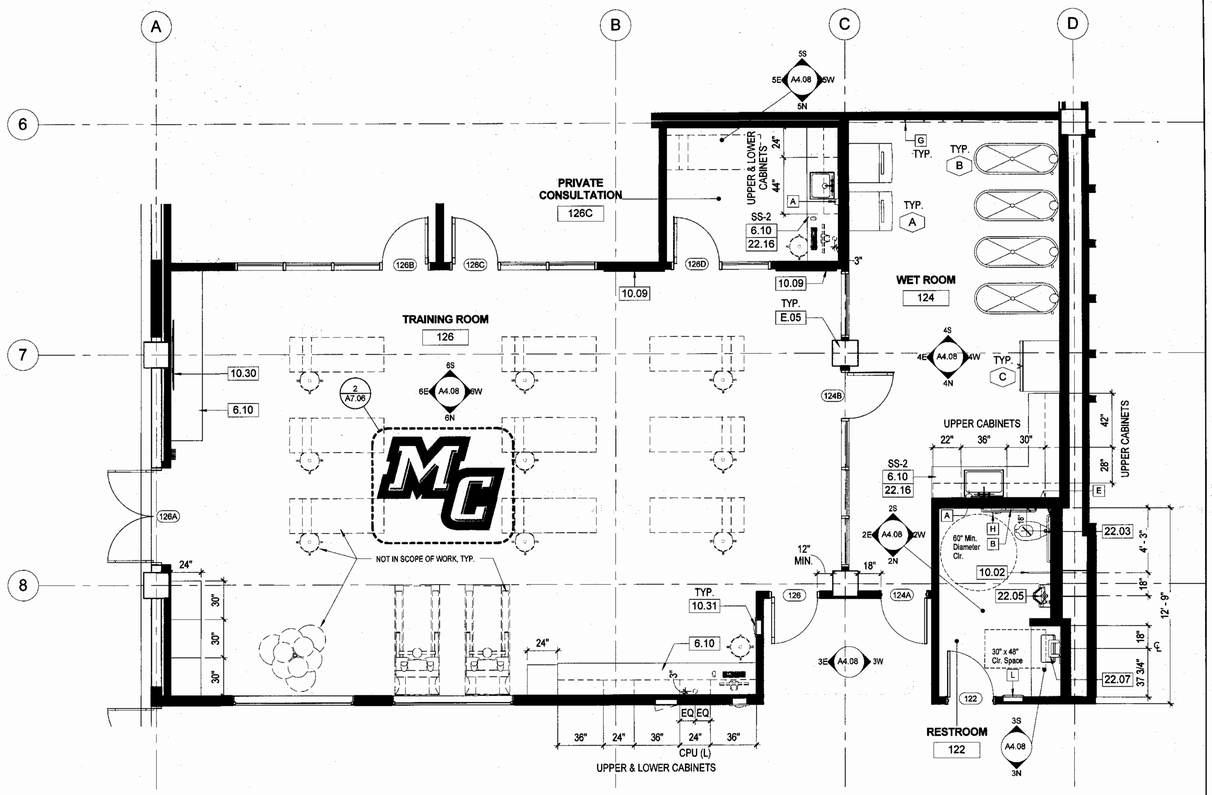


2 RESTROOM 122
1/4" = 1'-0"

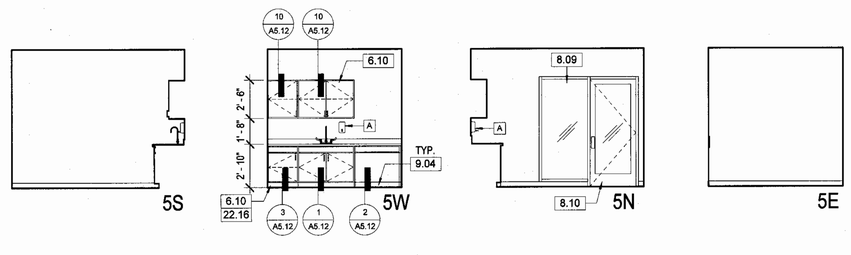


3 VESTIBULE TO TRAINING & WET ROOMS
1/4" = 1'-0"

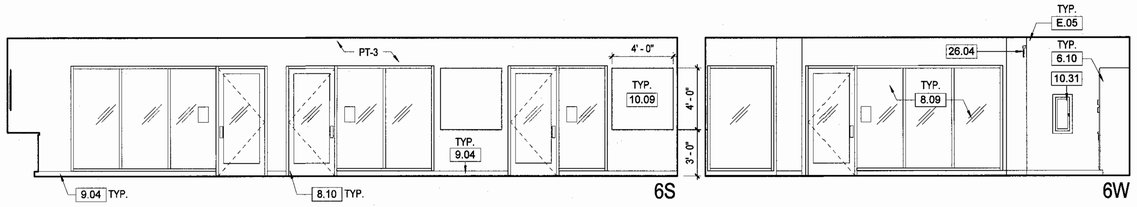




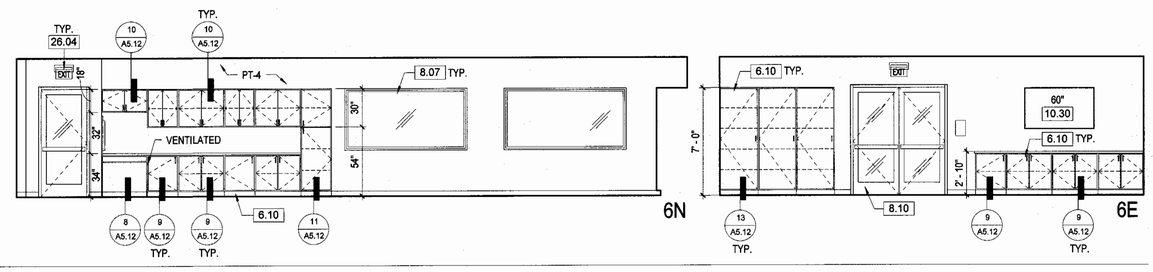
1 ENLARGED PLAN - WET ROOM & RESTROOM
1/4" = 1'-0"



4 WET ROOM 124
1/4" = 1'-0"



5 PRIVATE CONSULTATION ROOM 126C
1/4" = 1'-0"



6 TRAINING ROOM 126
1/4" = 1'-0"

EXISTING KEYNOTES (E#)

E.05 (E) CONCRETE COLUMN

KEYNOTES (#)

5.29 (N) STAINLESS STEEL COVE BASE
6.10 (N) CASEWORK - COUNTER AND CABINETS - SEE SHEETS A5.12 & A5.13
8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
8.07 (N) CLEAR ANODIZED ALUMINUM FIXED WINDOW - SEE FLOOR PLANS FOR WINDOW TYPE
8.09 (N) CLEAR ANODIZED ALUMINUM STOREFRONT - SEE FLOOR PLANS FOR WINDOW TYPE
8.10 (N) CLEAR ANODIZED ALUMINUM STOREFRONT DOOR(S) - SEE FLOOR PLANS FOR DOOR NO.
9.02 (N) PORCELAIN WALL TILES
9.04 (N) RUBBER TOPSET BASE
10.02 (N) URINAL SCREEN - SEE DETAIL 11/G0.08
10.09 (N) WHITE MARKERBOARD - SEE INTERIOR ELEVATIONS FOR SIZE, FOR MOUNTING DETAIL SEE 4/A5.04A
10.22 (N) BULLETIN BOARD CASE W/ SLIDING GLASS, FOR MOUNTING DETAIL SEE 4/A5.04A
10.30 (N) SMART TV MONITOR (OFOI), FOR MOUNTING DETAIL SEE 8/A5.04A
10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.
22.03 ACCESSIBLE WATER CLOSET, SEE PLUMBING DRAWINGS
22.05 ACCESSIBLE URINAL, SEE PLUMBING DRAWINGS
22.07 (N) ACCESSIBLE LAVATORY, SEE PLUMBING DRAWINGS
22.16 (N) SINK, SEE PLUMBING DRAWINGS
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL
26.04 (N) ILLUMINATED EXIT SIGN

ACCESSORIES SCHEDULE (-)

A NOT USED
B TOILET PAPER DISPENSER
C NOT USED
D TOILET SEAT COVER DISPENSER
E STAINLESS STEEL GRAB BAR
F MIRROR (SEE INTERIOR ELEV. FOR SIZE)
G ROBE HOOK
H NAPKIN DISPOSAL
J STAINLESS STEEL TOWEL SHELF
K STAINLESS STEEL TOWEL SHELF W/ BAR
L NAPKIN VENDOR

GENERAL NOTES

1. RESTROOMS SHALL COMPLY WITH ACCESSIBILTY REQUIREMENTS INDICATED ON SHEET G0.08
2. FOR RESTROOMS & SHOWER ROOMS, PROVIDE A TURNING SPACE THAT COMPLIES WITH CBC 11B 304.3
3. ACCESSIBLE TOILET STALLS SHALL BE PROVIDED WITH A LATCH THAT DOES NOT REQUIRE GRASPING OR TWISTING AND A U-SHAPE OR LOOP IMMEDIATELY BELOW THE LATCH ON THE INSIDE AND OUTSIDE OF THE PARTITION DOOR
4. REFER TO STRUCTURAL SHEET S1.01 FOR LOCATIONS OF FLOOR DEPRESSIONS AND CONCRETE CURBS
5. REFER TO SHEETS A7.01 AND A7.02 FOR SIGNAGE DETAILS AND LOCATIONS OF SIGNS.
6. SLOPE CONC. TOPPING TO FLOOR DRAINS

LEGEND

XXX-1 FINISH CALL-OUT SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

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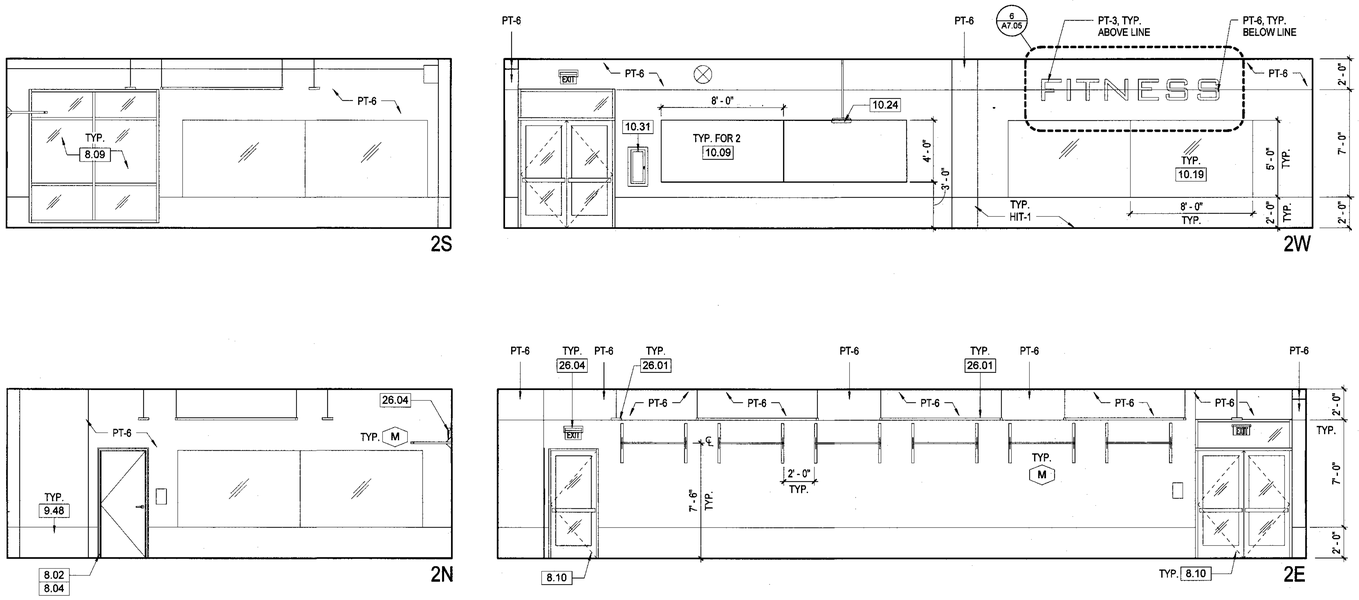
TRAINING ROOM & RESTROOM ENLARGED PLANS & INTERIOR ELEVATIONS

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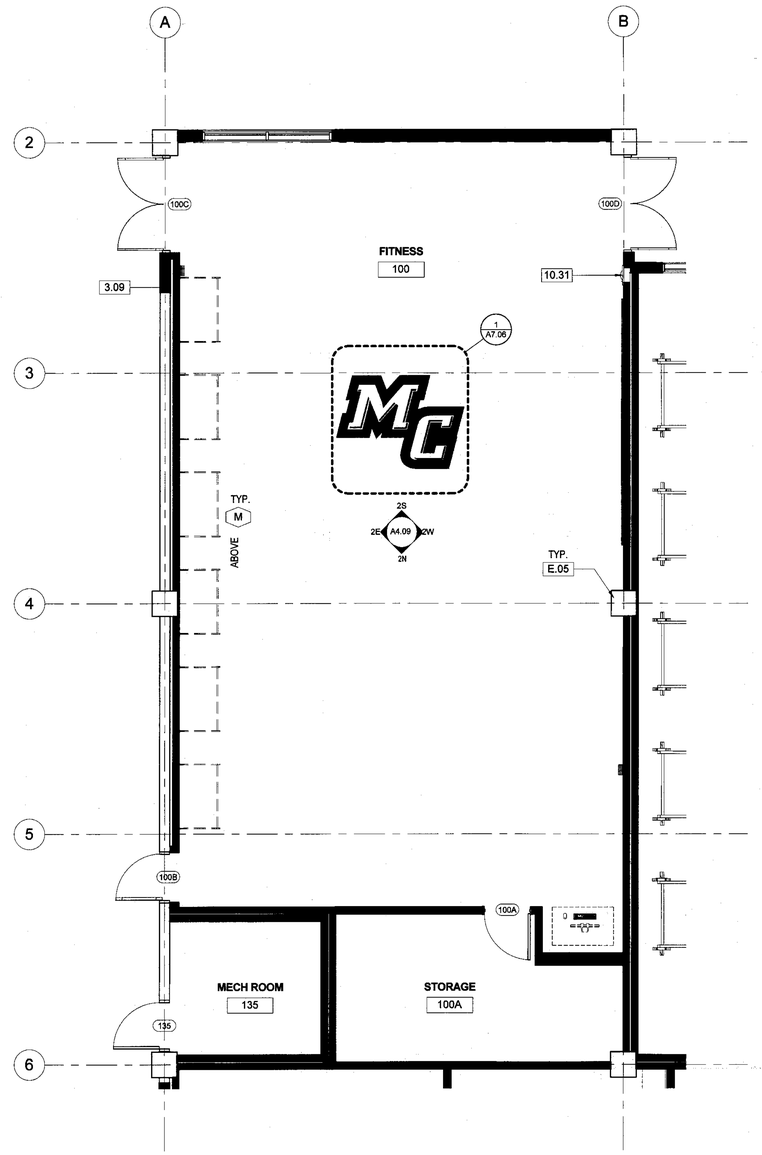
A4.08 ___ OF ___

EQUIPMENT SCHEDULE - FITNESS ROOM 100 (-)

Mark	Type	Furnished By	Length	Width	Height	Qty.	Manufacturer	Model	Comments
M	Pull-Up Bar	Contractor	32"	52"	31"	6	Rogue Fitness	Rogue P-6V Garage Pull-Up System	For Anchorage See Structural 62/S2.05



2 FITNESS ROOM 100
1/4" = 1'-0"



1 ENLARGED PLAN - FITNESS ROOM 100
1/4" = 1'-0"

EXISTING KEYNOTES (E#)

E.05 (E) CONCRETE COLUMN

KEYNOTES (#)

3.09 (N) METAL STUD WALL INFILL TO MATCH EXISTING, SEE FLOOR PLANS FOR WALL TYPE
8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
8.09 (N) CLEAR ANODIZED ALUMINUM STOREFRONT - SEE FLOOR PLANS FOR WINDOW TYPE
8.10 (N) CLEAR ANODIZED ALUMINUM STOREFRONT DOOR(S) - SEE FLOOR PLANS FOR DOOR NO.
9.48 (N) HIGH IMPACT THERMOPLASTIC
10.09 (N) WHITE MARKERBOARD - SEE INTERIOR ELEVATIONS FOR SIZE, FOR MOUNTING DETAIL SEE 4/A5.04A
10.19 (N) IMPACT RESISTANT MIRROR - SEE INTERIOR ELEVATIONS FOR SIZE
10.24 (N) PROJECTOR, FOR MOUNTING DETAIL SEE 2/A5.11A
10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL
26.04 (N) ILLUMINATED EXIT SIGN

LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS ZM SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH WHITTLE C-30348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28326 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

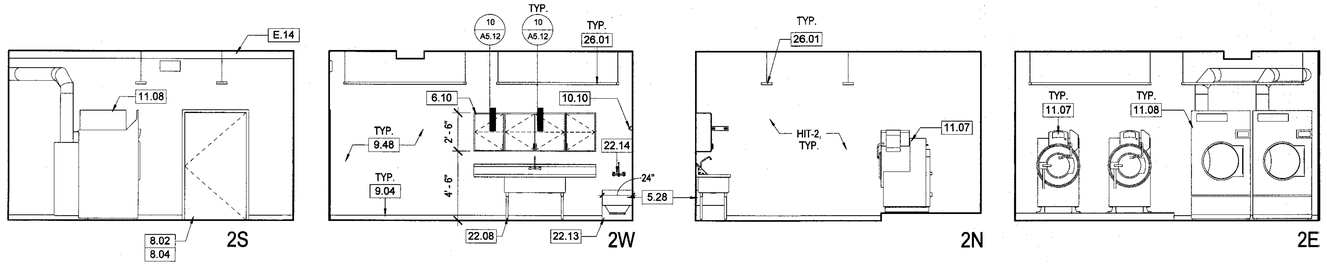
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

FITNESS ROOM 100 ENLARGED PLAN & INTERIOR ELEVATIONS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A4.09

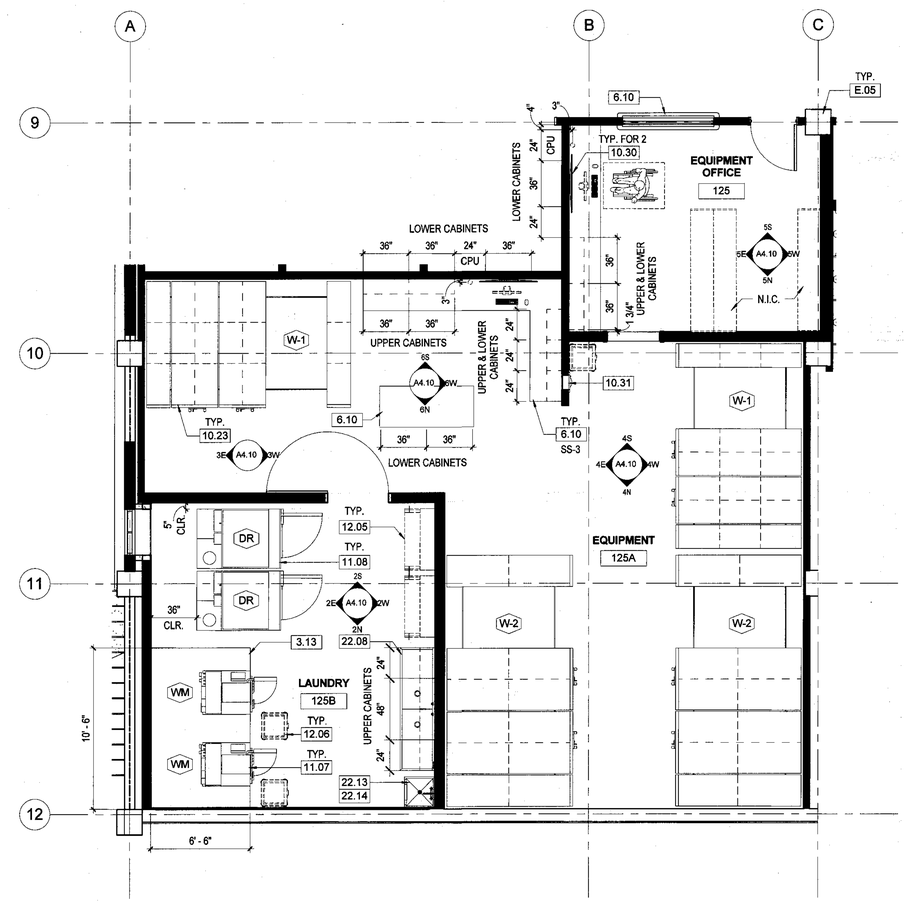
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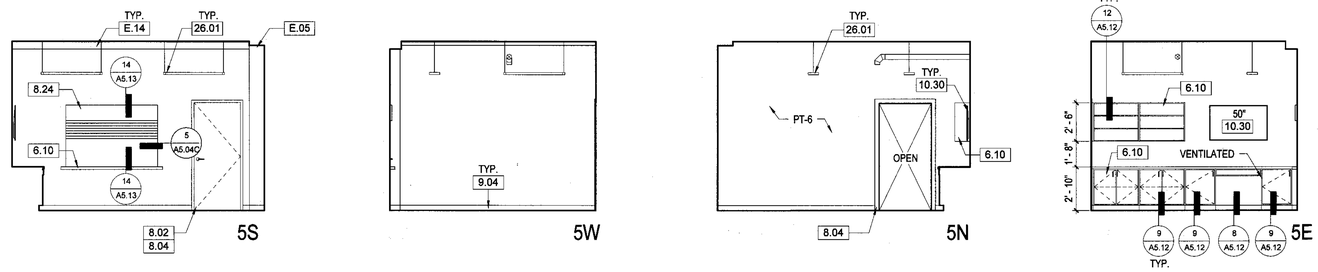
2 LAUNDRY ROOM 125B
1/4" = 1'-0"



4 EQUIPMENT ROOM 125A
1/4" = 1'-0"



1 ENLARGED PLAN - LAUNDRY & EQUIPMENT ROOMS 125, 125A & 125B
1/4" = 1'-0"



5 EQUIPMENT OFFICE ROOM 125
1/4" = 1'-0"

6 EQUIPMENT ROOM 125A MILLWORK
1/4" = 1'-0"

EQUIPMENT SCHEDULE - LAUNDRY & EQUIPMENT ROOMS

Mark	Type	Furnished By	Length	Width	Height	Qty.	Manufacturer	Model	Comments
DR	Tumble Dryer	Contractor				2	UniMac	As Specified	ANCHOR W/ (4) MIN ½"ø x 2¾" EMBED EPOXY ANCHORS (HILTI HY 200 ICC ESR-3187)
W-1	Mobile Shelving (Mechanical Assist A)	Contractor	13' -4"	8'-0"	7'-6"	2	McMurray Stern	Mechanical Assist with Recessed Rail	16" Depth Shelving & 4'-0" Aisle
W-2	Mobile Shelving (Mechanical Assist B)	Contractor	16'-4"	8'-0"	7'-6"	2	McMurray Stern	Mechanical Assist with Recessed Rail	24" Depth Shelving & 4'-0" Aisle
WM	Washing Machine	Contractor				2	UniMac	As Specified	ANCHOR W/ (6) MIN ¾"ø x 8" EMBED EPOXY ANCHORS W/ 12" MIN. EDGE DISTANCE TO CURB (EPOXY SHALL BE HILTI HIT-RE 500 V3 ICC ESR-3814)

EXISTING KEYNOTES E#

E.05 (E) CONCRETE COLUMN
E.14 (E) CONCRETE BEAM TO REMAIN

KEYNOTES

3.13 (N) 6" CONCRETE PAD - SEE DETAIL 23C /S0.11
5.28 (N) STAINLESS STEEL SPLASH PANEL
6.10 (N) CASEWORK - COUNTER AND CABINETS - SEE SHEETS A5.12 & A5.13
8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
8.24 (N) CLEAR ANODIZED ALUMINUM ROLLING SHUTTER - SEE FLOOR PLAN FOR OPENING NO.
9.04 (N) RUBBER TOPSET BASE
9.48 (N) HIGH IMPACT THERMOPLASTIC
10.10 (N) MOP RACK, SEE DETAIL 3/A5.04A
10.23 (N) MOBILE SHELVING (MECHANICAL ASSIST) - SEE SHEET A5.14
10.30 (N) SMART TV MONITOR (OFOI), FOR MOUNTING DETAIL SEE 8/A5.04A
10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.
11.07 (N) COMMERCIAL WASHER
11.08 (N) COMMERCIAL DRYER - SEE M3.00 FOR EXHAUST INFO
12.05 FOLDING TABLE (OFOI)
12.06 LAUNDRY HAMPER (OFOI)
22.08 (N) SERVICE SINK, SEE PLUMBING DRAWINGS
22.13 (N) 24" x 24" MOP SINK, SEE PLUMBING DRAWINGS
22.14 (N) MOP SINK FAUCET, SEE PLUMBING DRAWINGS
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL

GENERAL NOTES

1. SLOPE CONC. TOPPING TO FLOOR DRAINS

LEGEND

XXX-1 FINISH CALL-OUT SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

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MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

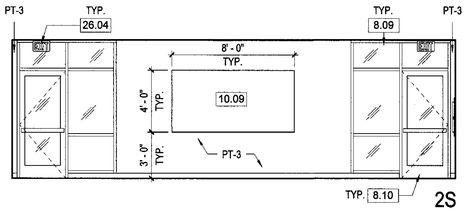
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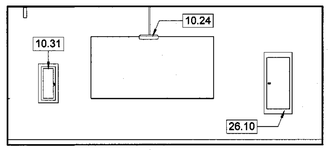
LAUNDRY, EQUIPMENT ROOMS 125, 125A & 125B ENLARGED PLAN & INT. ELEVATIONS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

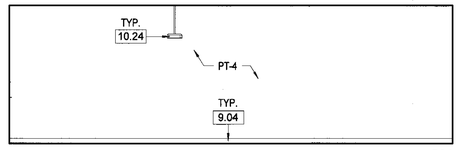
A4.10 ___ OF ___



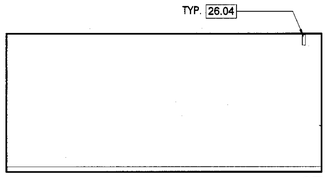
2S



2W

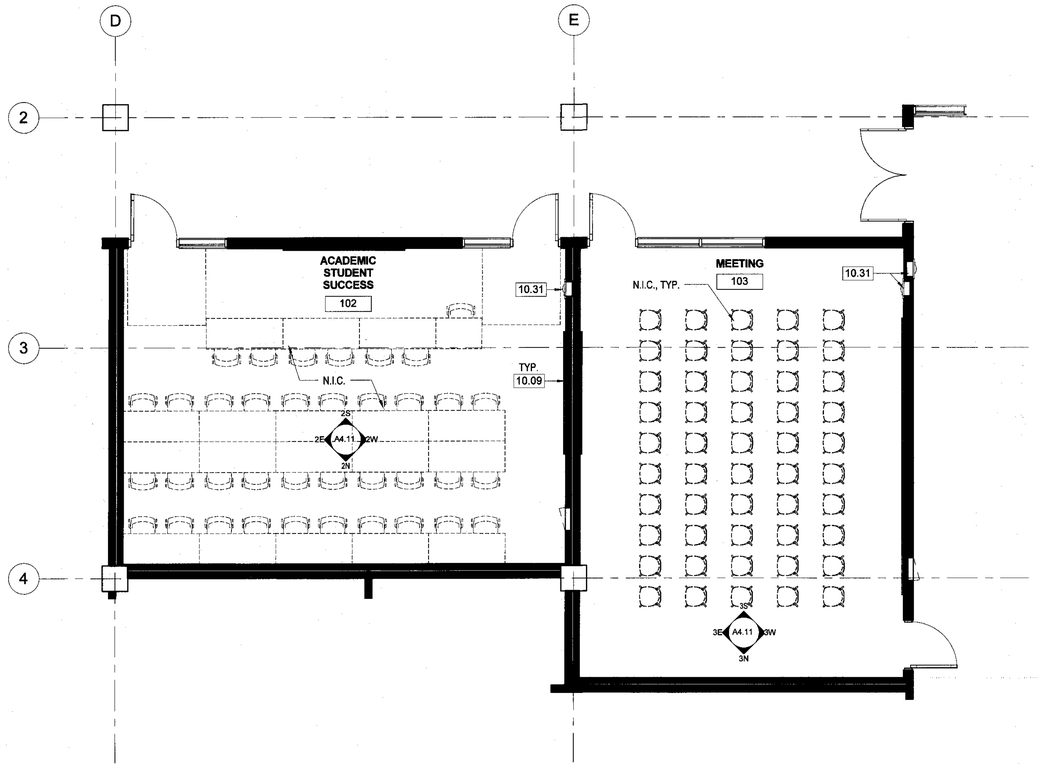


2N

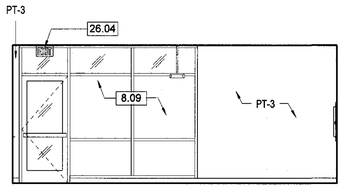


2E

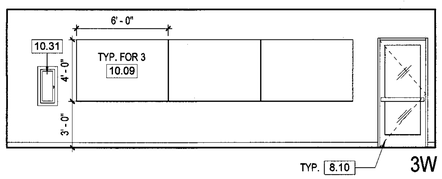
2 ACADEMIC STUDENT SUCCESS ROOM 102
1/4" = 1'-0"



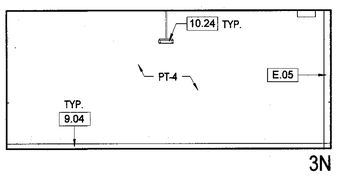
1 ENLARGED PLAN - ACADEMIC STUDENT SUCCESS & MEETING ROOMS 102 & 103
1/4" = 1'-0"



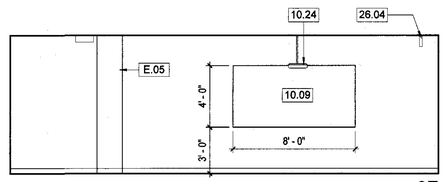
3S



3W



3N



3E

3 MEETING ROOM 103
1/4" = 1'-0"

EXISTING KEYNOTES E#

E.05 (E) CONCRETE COLUMN

KEYNOTES

8.09 (N) CLEAR ANODIZED ALUMINUM STOREFRONT - SEE FLOOR PLANS FOR WINDOW TYPE
8.10 (N) CLEAR ANODIZED ALUMINUM STOREFRONT DOOR(S) - SEE FLOOR PLANS FOR DOOR NO.
9.04 (N) RUBBER TOPSET BASE
10.09 (N) WHITE MARKERBOARD - SEE INTERIOR ELEVATIONS FOR SIZE, FOR MOUNTING DETAIL SEE 4/A5.04A
10.24 (N) PROJECTOR, FOR MOUNTING DETAIL SEE 2/A5.11A
10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.
26.04 (N) ILLUMINATED EXIT SIGN
26.10 (N) FULLY RECESSED ELECTRICAL PANEL (SEE ELECTRICAL) MOUNTED 48" A.F.F. TO HANDLE - PAINT TRIM TO MATCH ADJACENT WALL

LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

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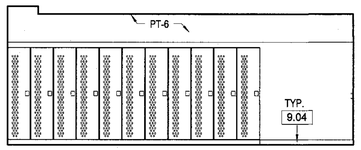
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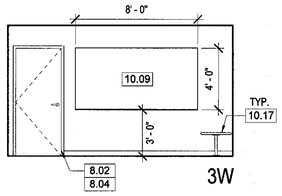
ACADEMIC STUDENT SUCCESS & MEETING ENLARGED PLANS & INTERIOR ELEVATIONS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

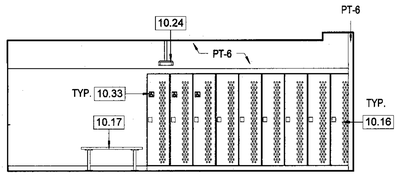
A4.11
__ OF __



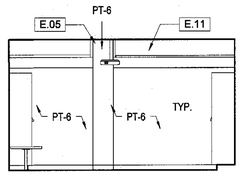
3S



3W



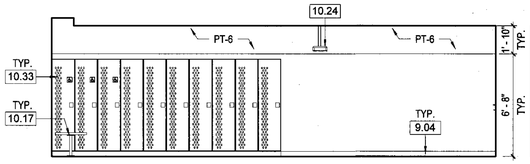
3N



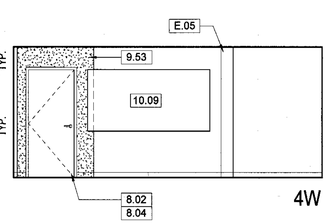
3E

3 TEAM ROOM C 210

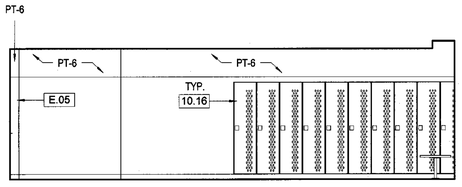
1/4" = 1'-0"



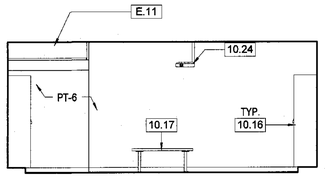
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4W



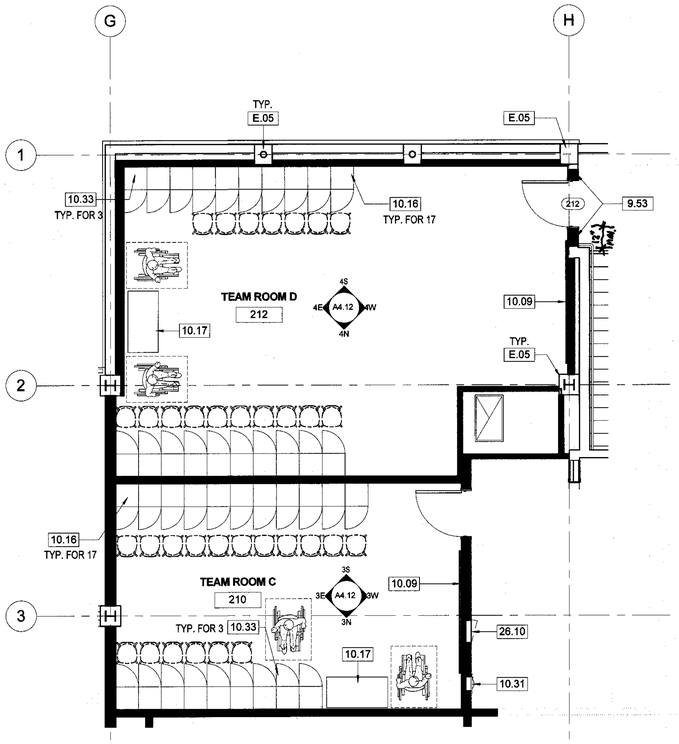
4N



4E

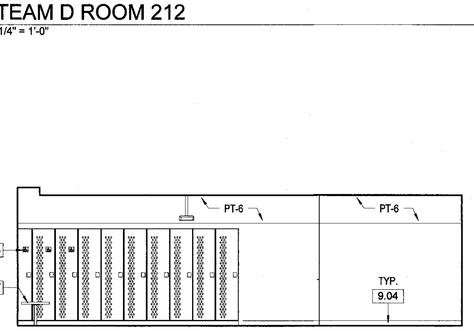
4 TEAM D ROOM 212

1/4" = 1'-0"

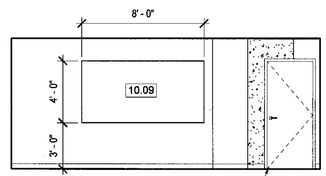


1 ENLARGED PLAN - TEAM ROOMS 210 & 212

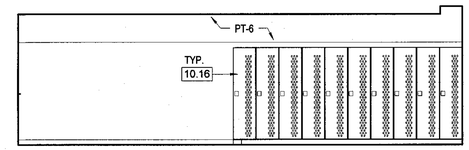
1/4" = 1'-0"



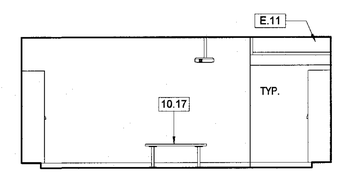
5S



5W



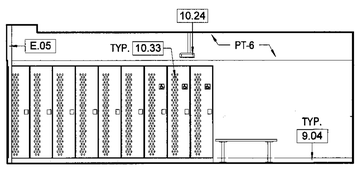
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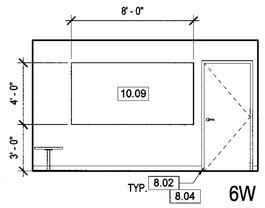
5E

5 TEAM B ROOM 204

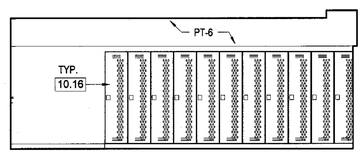
1/4" = 1'-0"



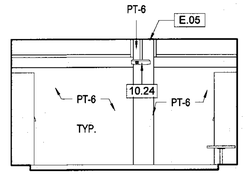
6S



6W



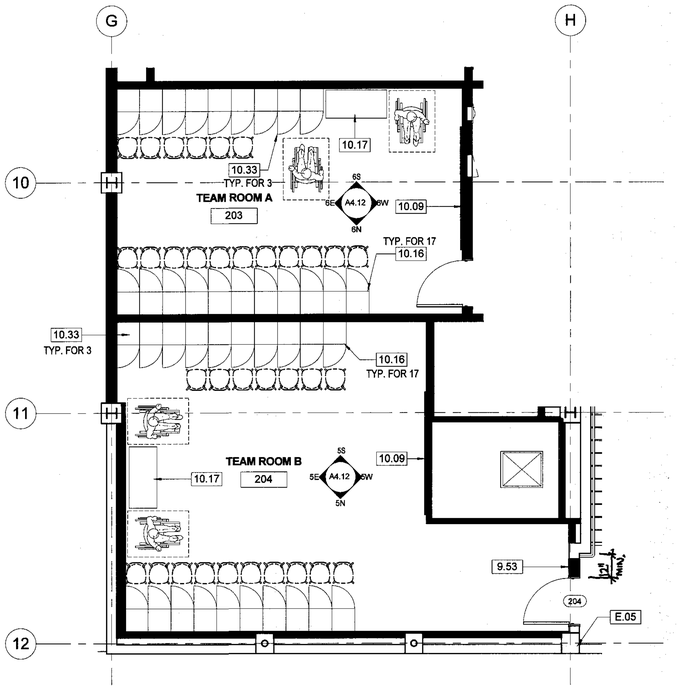
6N



6E

6 TEAM A ROOM 203

1/4" = 1'-0"



2 ENLARGED PLAN - TEAM ROOMS 203 & 204

1/4" = 1'-0"

LOCKER ANALYSIS:

TEAM ROOM A	
TOTAL LOCKERS COUNT:	20
TOTAL ACCESSIBLE LOCKERS REQUIRED 5% :	1
TOTAL ACCESSIBLE LOCKERS PROVIDED:	3
TEAM ROOM B	
TOTAL LOCKERS COUNT:	20
TOTAL ACCESSIBLE LOCKERS REQUIRED 5% :	1
TOTAL ACCESSIBLE LOCKERS PROVIDED:	3
TEAM ROOM C	
TOTAL LOCKERS COUNT:	20
TOTAL ACCESSIBLE LOCKERS REQUIRED 5% :	1
TOTAL ACCESSIBLE LOCKERS PROVIDED:	3
TEAM ROOM D	
TOTAL LOCKERS COUNT:	20
TOTAL ACCESSIBLE LOCKERS REQUIRED 5% :	1
TOTAL ACCESSIBLE LOCKERS PROVIDED:	3

EXISTING KEYNOTES E#

E.05 (E) CONCRETE COLUMN

E.11 (E) CLERESTORY STOREFRONT TO REMAIN

KEYNOTES

8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.

8.04 (N) ANODIZED ALUMINUM DOOR FRAME

9.04 (N) RUBBER TOPSET BASE

9.53 (N) METAL STUD WALL INFILL TO MATCH WIDTH OF (E) ADJACENT WALL, SEE DETAILS 8, 12, 13, 14 ON SHEET A5.16. SEE FLOOR PLANS FOR WALL TYPE

10.09 (N) WHITE MARKERBOARD - SEE INTERIOR ELEVATIONS FOR SIZE, FOR MOUNTING DETAIL SEE 4/A5.04A

10.16 (N) 18" x 18" SINGLE TIER LOCKER (MESH DOOR FINISH)- SEE DETAILS 12, 13 & 14/A5.04A FOR ANCHORAGE

10.17 (N) ACCESSIBLE BENCH, SEE 11/A5.04A

10.24 (N) PROJECTOR, FOR MOUNTING DETAIL SEE 2/A5.11A

10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.

10.33 (N) ACCESSIBLE 18" x 18" SINGLE TIER LOCKER (MESH DOOR FINISH)

26.10 (N) FULLY RECESSED ELECTRICAL PANEL (SEE ELECTRICAL) MOUNTED 48" A.F.F. TO HANDLE - PAINT TRIM TO MATCH ADJACENT WALL

LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH WHITTLE C-20045 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

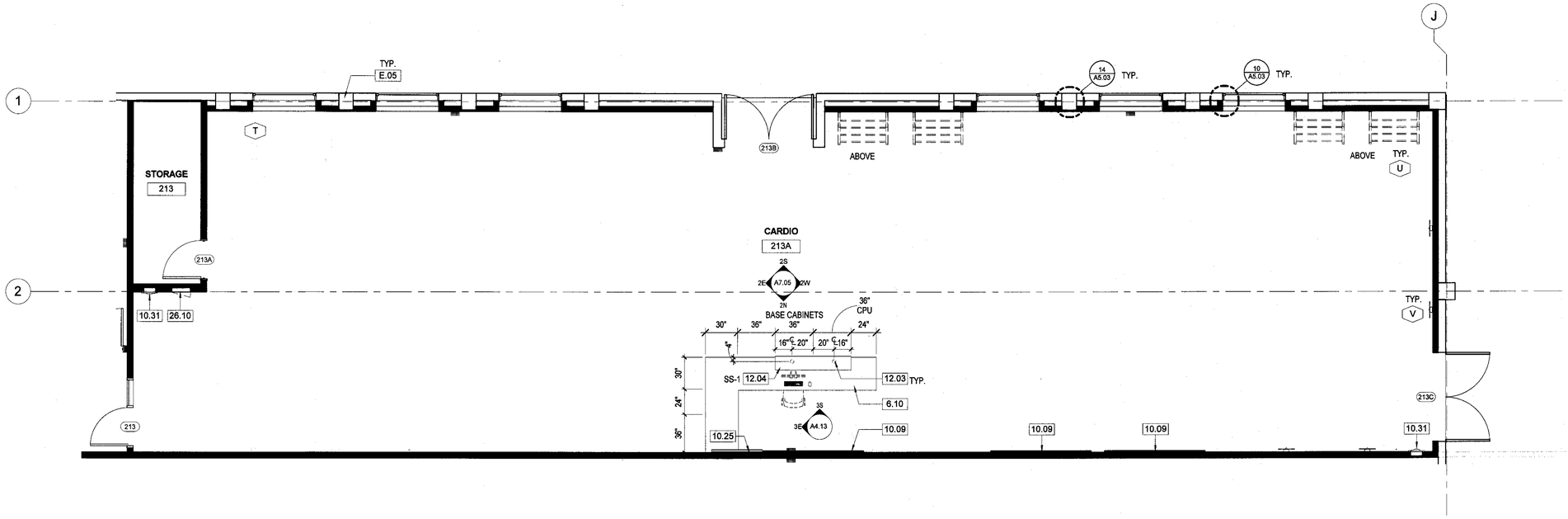
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

TEAM ROOMS 203, 204, 210, & 212 ENLARGED PLANS & INTERIOR ELEVATIONS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

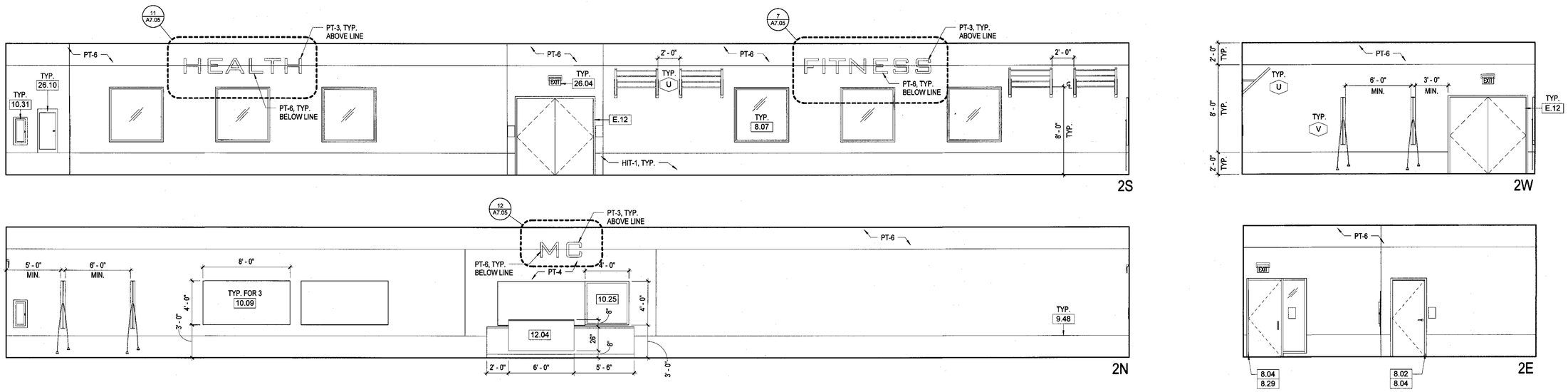
A4.12

__ OF __



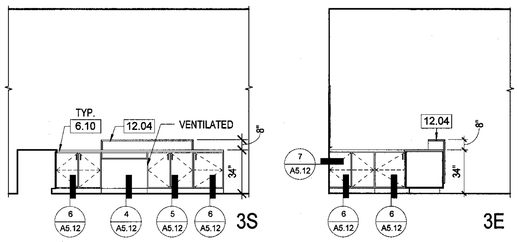
1 ENLARGED PLAN - CARDIO ROOM 213A

1/4" = 1'-0"



2 CARDIO ROOM 213A

1/4" = 1'-0"



3 CARDIO ROOM 213A CHECK-IN

1/4" = 1'-0"

EQUIPMENT SCHEDULE - CARDIO ROOM 213A

Mark	Type	Furnished By	Length	Width	Height	Qty.	Manufacturer	Model	Comments
U	Flying Pull-Up Bar	Contractor	33"	49"	31"	4	Valor Fitness	RG-16	For Anchorage See Structural 62/A2.05
V	Resistance Tubing Station	Contractor	TBD	TBD	52"	4	Gopher Performance	Ultra-Fit Resistance Tubing Station	For Anchorage See Structural 62/A2.05

EXISTING KEYNOTES E#

E.05 (E) CONCRETE COLUMN

E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS

KEYNOTES

6.10 (N) CASEWORK - COUNTER AND CABINETS - SEE SHEETS A5.12 & A5.13

8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.

8.04 (N) ANODIZED ALUMINUM DOOR FRAME

8.07 (N) CLEAR ANODIZED ALUMINUM FIXED WINDOW - SEE FLOOR PLANS FOR WINDOW TYPE

8.29 (N) SOLID CORE WOOD DOOR W/ FULL HEIGHT SIDE LITE - SEE FLOOR PLANS FOR DOOR NO.

9.48 (N) HIGH IMPACT THERMOPLASTIC

10.09 (N) WHITE MARKERBOARD - SEE INTERIOR ELEVATIONS FOR SIZE, FOR MOUNTING DETAIL SEE 4/A5.04A

10.25 (N) BULLETIN BOARD, FOR MOUNTING DETAIL SEE 4/A5.04A

10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.

12.03 (N) ALUMINUM GROMMET

12.04 (N) SOLID SURFACING MILLWORK

26.04 (N) ILLUMINATED EXIT SIGN

26.10 (N) FULLY RECESSED ELECTRICAL PANEL (SEE ELECTRICAL) MOUNTED 48" A.F.F. TO HANDLE - PAINT TRIM TO MATCH ADJACENT WALL

LEGEND

XXX-1 FINISH CALL-OUT SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
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DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN AMADOR C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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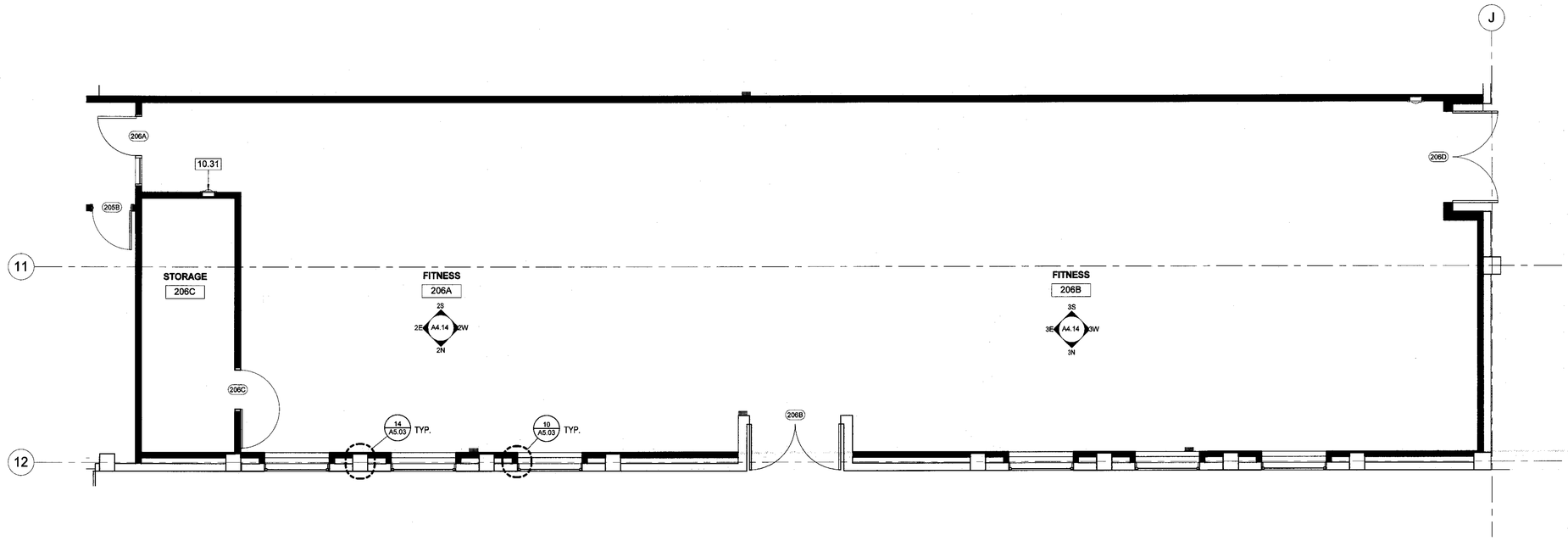
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

CARDIO ROOM 213A ENLARGED PLAN & INTERIOR ELEVATIONS

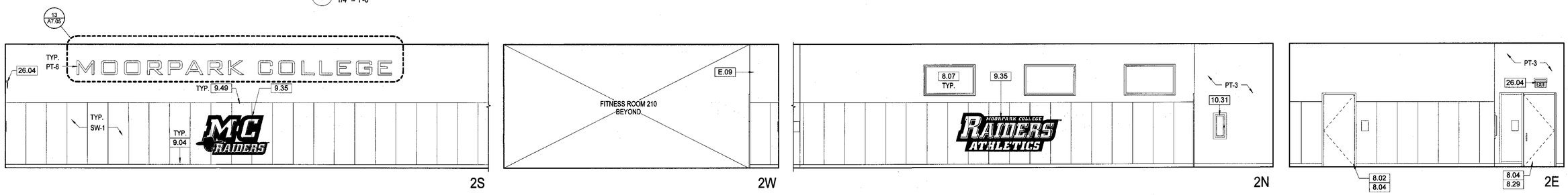
IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

A4.13

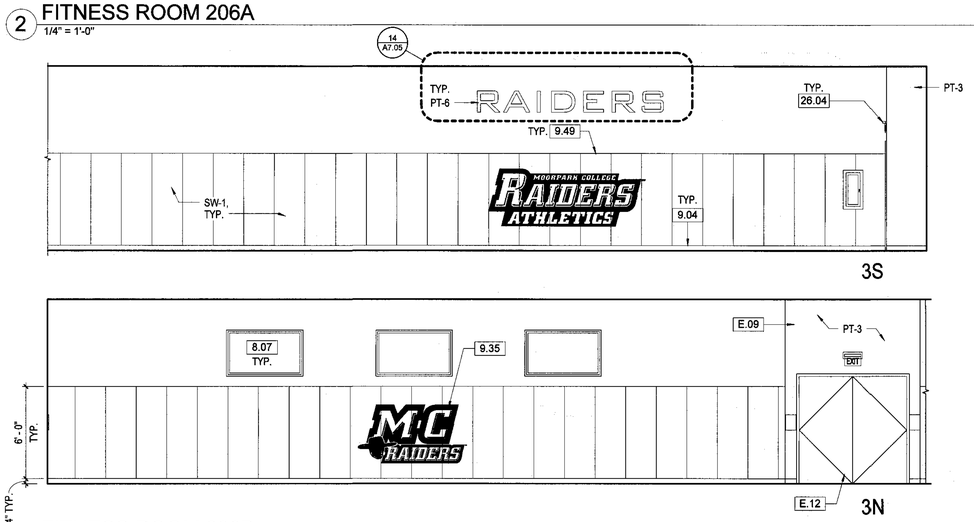
___ OF ___



1 ENLARGED PLAN - FITNESS ROOMS 206A & 206B
1/4" = 1'-0"



2 FITNESS ROOM 206A
1/4" = 1'-0"



3 FITNESS ROOM 206B
1/4" = 1'-0"

EXISTING KEYNOTES E#

E.09 (E) CONCRETE WALL
E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS

KEYNOTES

8.01 (N) HOLLOW METAL DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.03 (N) HOLLOW METAL DOOR FRAME
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
8.07 (N) CLEAR ANODIZED ALUMINUM FIXED WINDOW - SEE FLOOR PLANS FOR WINDOW TYPE
8.29 (N) SOLID CORE WOOD DOOR W/ FULL HEIGHT SIDE LITE - SEE FLOOR PLANS FOR DOOR NO.
9.04 (N) RUBBER TOPSET BASE
9.35 (N) WALL VINYL, LOGO
9.49 (N) WALL PADDING, FOR MOUNTING DETAIL SEE 10/A6.06
10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.
26.04 (N) ILLUMINATED EXIT SIGN

LEGEND

XXX-1 FINISH CALL-OUT SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JAMES WHITTLE C-30348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

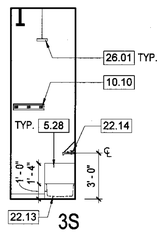
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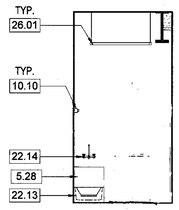
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

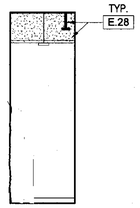
FITNESS ROOMS 206A & 206B ENLARGED PLANS & INTERIOR ELEVATIONS

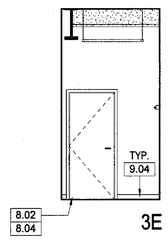
IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A4.14
__ OF __

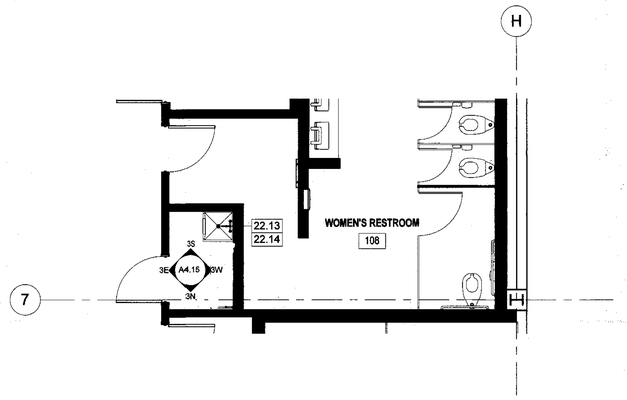




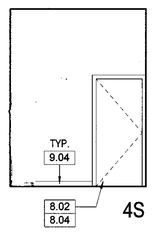


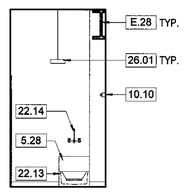


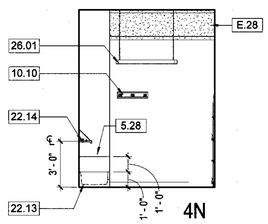
3 CUSTODIAL CLOSET- 133
1/4" = 1'-0"

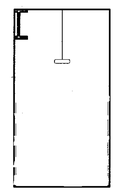


1 ENLARGED PLAN - CUSTODIAL CLOSET ROOM 133
1/4" = 1'-0"

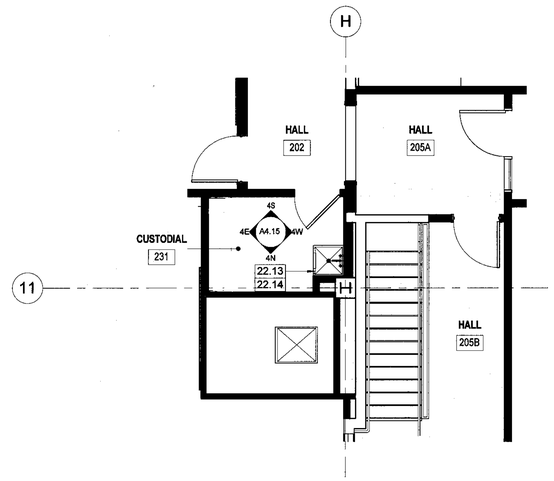








4 CUSTODIAL CLOSET- 231
1/4" = 1'-0"



2 ENLARGED PLAN - CUSTODIAL CLOSET ROOM 231
1/4" = 1'-0"

EXISTING KEYNOTES E#

E.28 (E) 3HR VERMICULITE PLASTER UL RATED FIREPROOFING TO REMAIN, PATCH & REPAIR AS NEEDED BY APPLYING MONOKOTE MK6HY (UL ER4339-02) TO MEET OR EXCEED PREVIOUSLY APPLIED THICKNESS

KEYNOTES

5.28 (N) STAINLESS STEEL SPLASH PANEL
8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
9.04 (N) RUBBER TOPSET BASE
10.10 (N) MOP RACK, SEE DETAIL 3/A5.04A
22.13 (N) 24" x 24" MOP SINK, SEE PLUMBING DRAWINGS
22.14 (N) MOP SINK FAUCET, SEE PLUMBING DRAWINGS
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL

LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS ZM SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JAMES WHITTLE C-20349 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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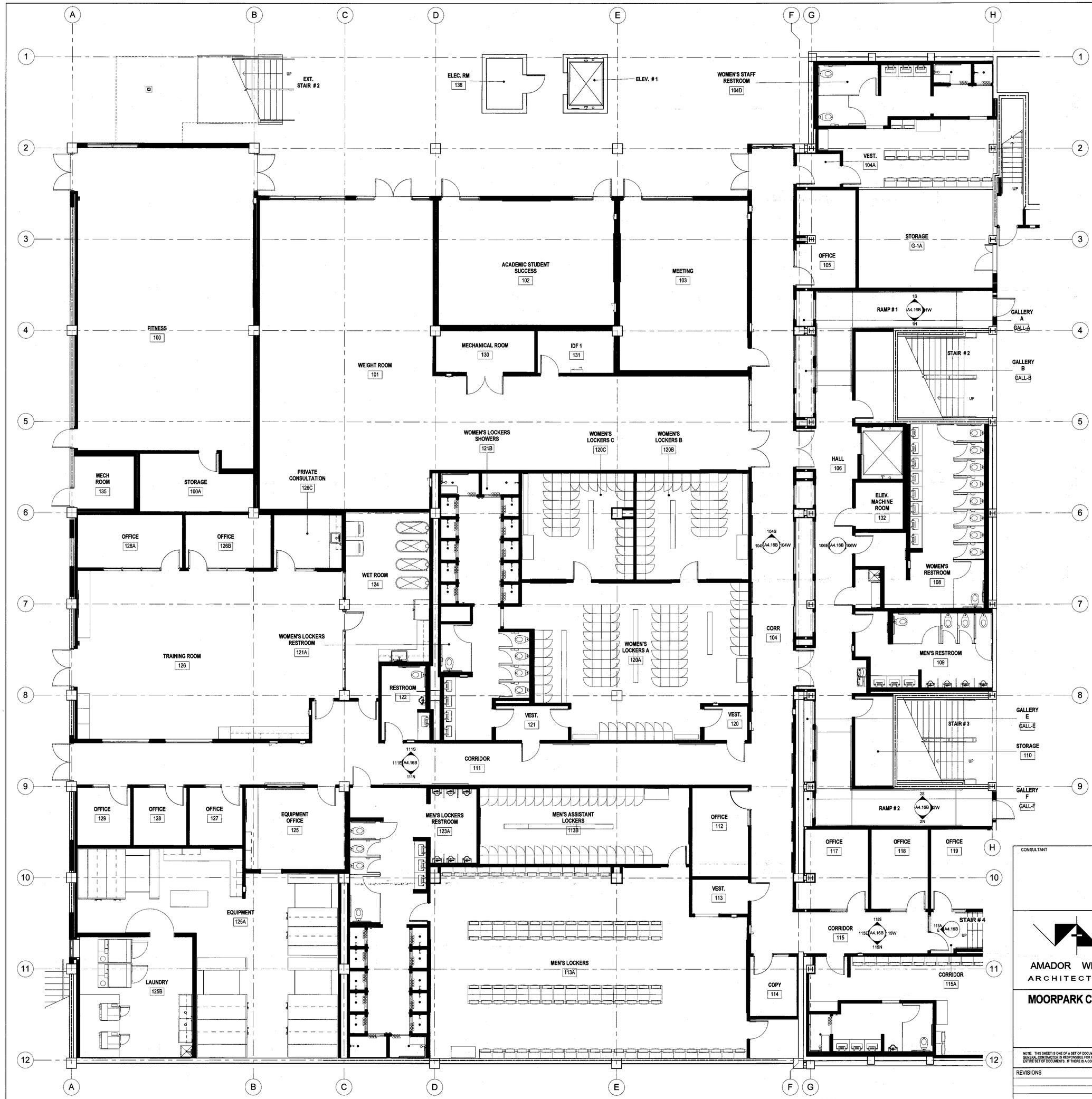
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

CUSTODIAL CLOSETS 133 & 215 ENLARGED PLANS & INTERIOR ELEVATIONS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A4.15

___ OF ___



1 FIRST FLOOR CORRIDORS & HALL - INTERIOR ELEVATIONS KEY PLAN
3/16" = 1'-0"

NORTH

0' 1' 5' 10' 20'

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DIVISION OF THE STATE ARCHITECT
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APPL. NO. 03-118379
A FLS. ZM SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM ZANE AMADOR C-20348 JANUARY 31, 2019 RENEWAL STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

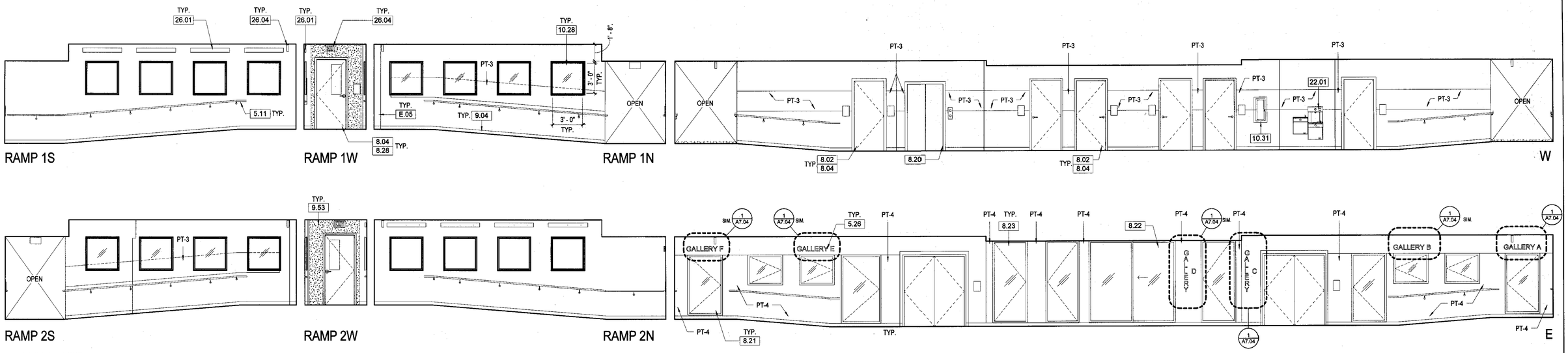
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REVISIONS	DATE: 03/26/18
	DRAWN: Author
	CHECK: Checker
	JOB NO: 16-MPC-023

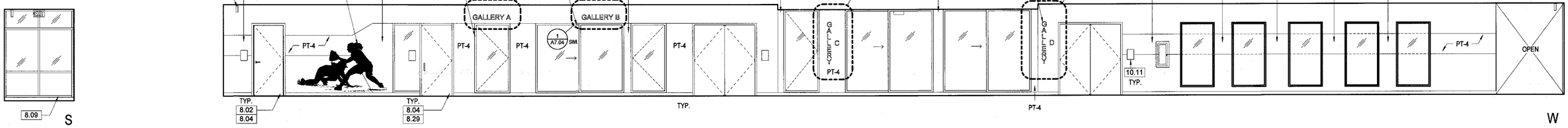
FIRST FLOOR CORRIDORS & HALL - INTERIOR ELEVATIONS KEY PLAN

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

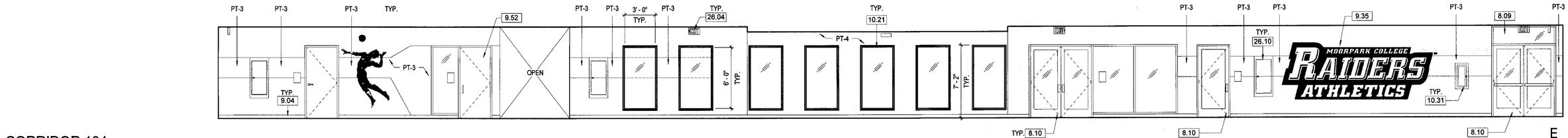
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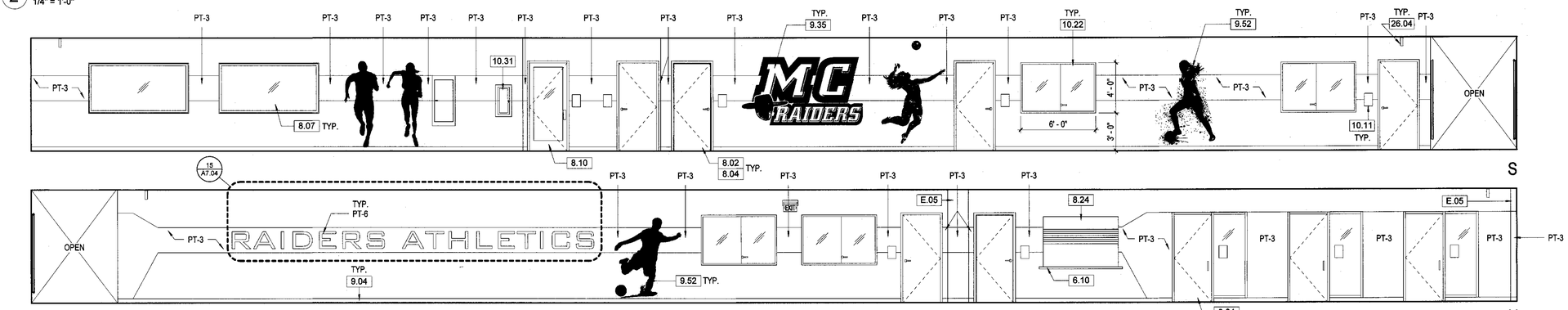


1 HALL 106
1/4" = 1'-0"

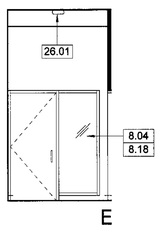


2 CORRIDOR 104
1/4" = 1'-0"



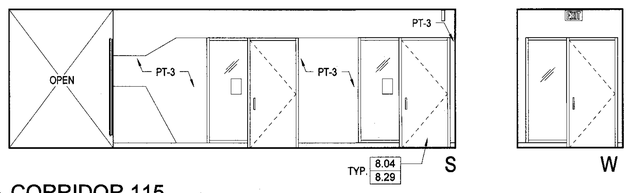


3 CORRIDOR 111
1/4" = 1'-0"

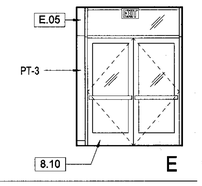


E

4 CORRIDOR 115A
1/4" = 1'-0"



5 CORRIDOR 115
1/4" = 1'-0"



EXISTING KEYNOTES E#

E.05 (E) CONCRETE COLUMN
E.09 (E) CONCRETE WALL

KEYNOTES

5.11 (N) STEEL HANDRAIL (PAINTED) - SEE DETAIL 7/A8.08
5.26 (N) NON-ILLUMINATED ALUMINUM LETTERING - SEE SHEETS A7.01 THRU A7.04
6.10 (N) CASEWORK - COUNTER AND CABINETS - SEE SHEETS A5.12 & A5.13
8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
8.07 (N) CLEAR ANODIZED ALUMINUM FIXED WINDOW - SEE FLOOR PLANS FOR WINDOW TYPE
8.09 (N) CLEAR ANODIZED ALUMINUM STOREFRONT - SEE FLOOR PLANS FOR WINDOW TYPE
8.10 (N) CLEAR ANODIZED ALUMINUM STOREFRONT DOOR(S) - SEE FLOOR PLANS FOR DOOR NO.
8.18 (N) SOLID CORE WOOD DOOR W/ FULL LITE - SEE FLOOR PLANS FOR DOOR NO.
8.20 (N) STAINLESS STEEL ELEVATOR DOORS
8.21 (N) CLEAR ANODIZED ALUMINUM DISPLAY WINDOW (180° SWING) - SEE FLOOR PLANS FOR WINDOW TYPE
8.22 (N) CLEAR ANODIZED ALUMINUM BYPASS SLIDING DISPLAY WINDOWS (MANUAL) - SEE FLOOR PLANS FOR WINDOW TYPE

KEYNOTES

8.23 (N) CLEAR ANODIZED ALUMINUM OPERABLE DISPLAY WINDOW (180° SWING) - SEE FLOOR PLANS FOR WINDOW TYPE
8.24 (N) CLEAR ANODIZED ALUMINUM ROLLING SHUTTER - SEE FLOOR PLAN FOR OPENING NO.
8.28 (N) SOLID CORE WOOD DOOR W/ HALF LITE - SEE FLOOR PLANS FOR DOOR NO.
8.29 (N) SOLID CORE WOOD DOOR W/ FULL HEIGHT SIDE LITE - SEE FLOOR PLANS FOR DOOR NO.
9.04 (N) RUBBER TOPSET BASE
9.35 (N) WALL VINYL, LOGO
9.52 (N) WALL VINYL, GRAPHIC
9.53 (N) METAL STUD WALL INFILL TO MATCH WIDTH OF (E) ADJACENT WALL, SEE DETAILS 8, 12, 13, 14 ON SHEET A5.16. SEE FLOOR PLANS FOR WALL TYPE
10.11 (N) SIGNAGE - SEE SHEETS A7.01 THRU A7.04
10.21 (N) SURFACE MOUNTED DISPLAY CASE (INTERNALLY ILLUMINATED W/LED), FOR MOUNTING DETAIL SEE 4/A5.04A
10.22 (N) BULLETIN BOARD CASE W/ SLIDING GLASS, FOR MOUNTING DETAIL SEE 4/A5.04A
10.28 (N) DISPLAY CASE (SURFACE MOUNTED), FOR MOUNTING DETAIL SEE 4/A5.04A

KEYNOTES

10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.
22.01 (N) HI-LO DRINKING FOUNTAIN/BOTTLE FILLING STATION, SEE 1/A5.04A
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL
26.04 (N) ILLUMINATED EXIT SIGN
26.10 (N) FULLY RECESSED ELECTRICAL PANEL (SEE ELECTRICAL) MOUNTED 48" A.F.F. TO HANDLE - PAINT TRIM TO MATCH ADJACENT WALL

LEGEND

XXX-1 — FINISH CALL-OUT SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AG FLS ZM SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN WHITTLE C-20346 JANUARY 31, 2014 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

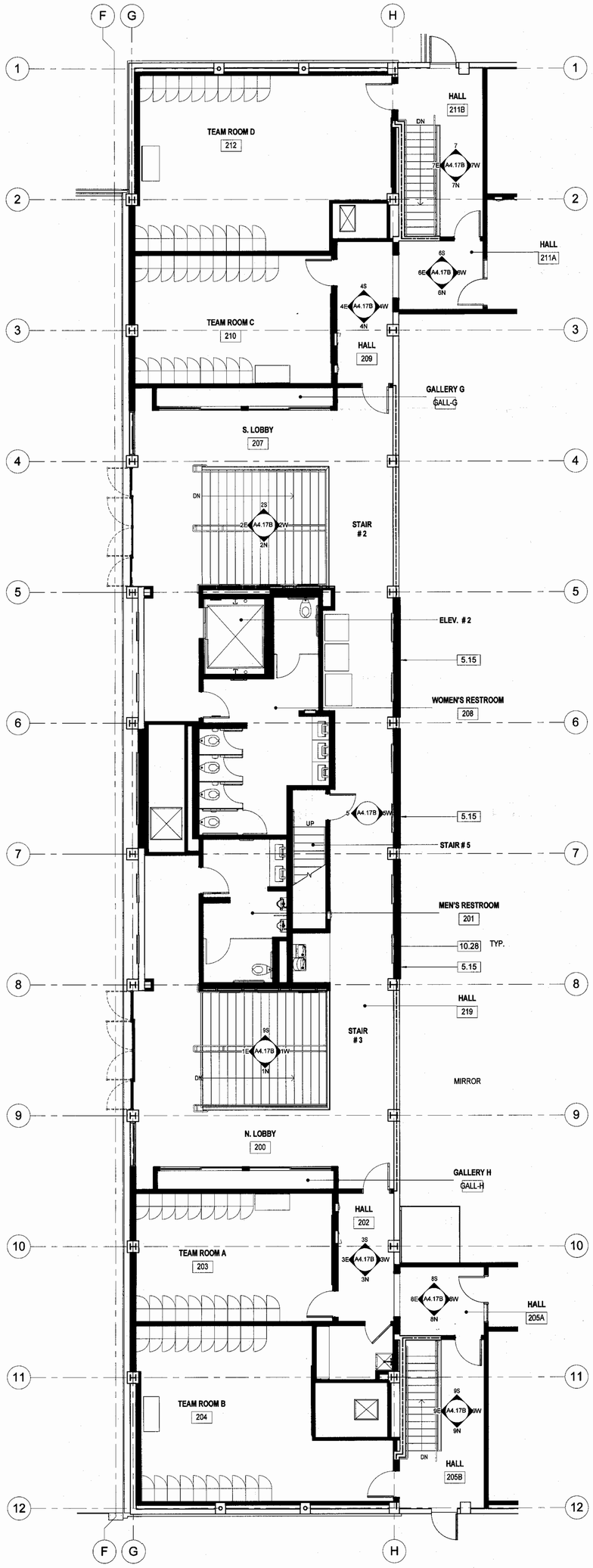
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

FIRST FLOOR - CORRIDORS & HALL INTERIOR ELEVATIONS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A4.16B

___ OF ___



1 SECOND FLOOR LOBBIES & HALLS - INTERIOR ELEVATIONS KEY PLAN
3/16" = 1'-0"

NORTH

0' 1' 5' 10' 20'

CONSULTANT

DIVISION OF THE STATE ARCHITECT

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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
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DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT
WILLIAM AMADOR
C-20346
JANUARY 31, 2018
RENEWAL DATE
STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

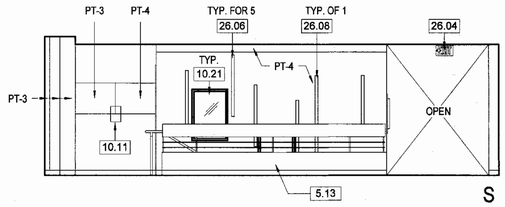
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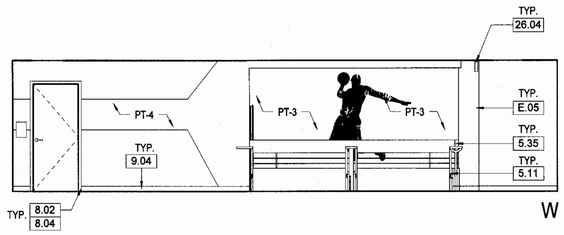
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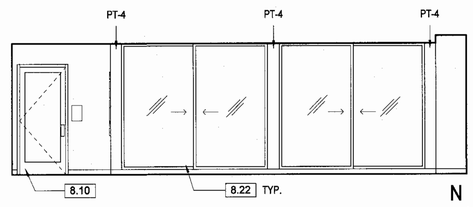
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	DRAWN: Author
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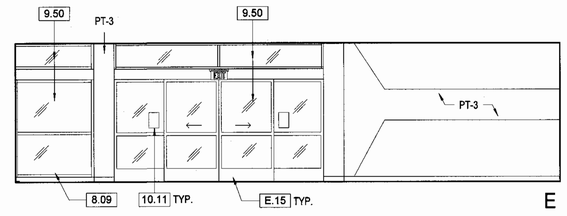
SECOND FLOOR LOBBIES & HALLS - INTERIOR ELEVATIONS KEY PLAN
IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

A4.17A
__ OF __

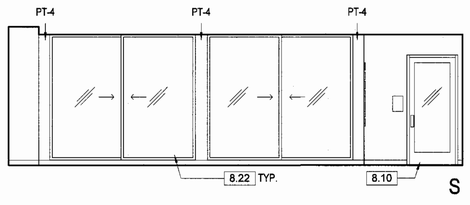


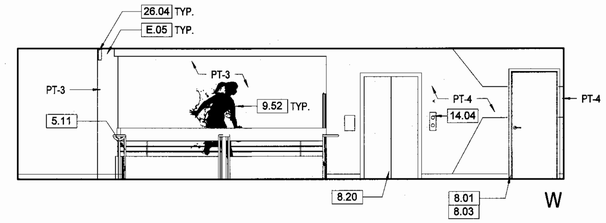


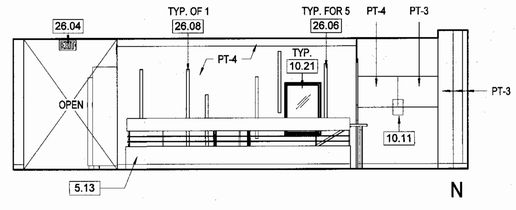


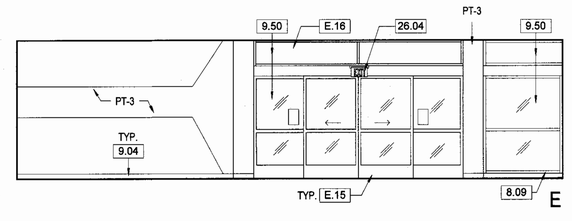


1 N. LOBBY 200
1/4" = 1'-0"

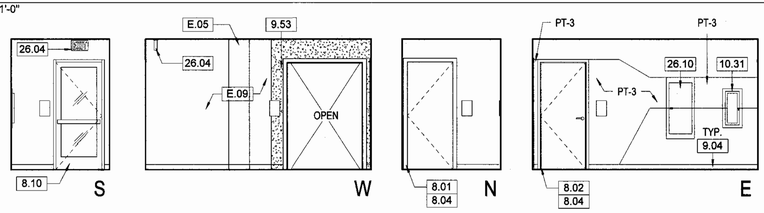


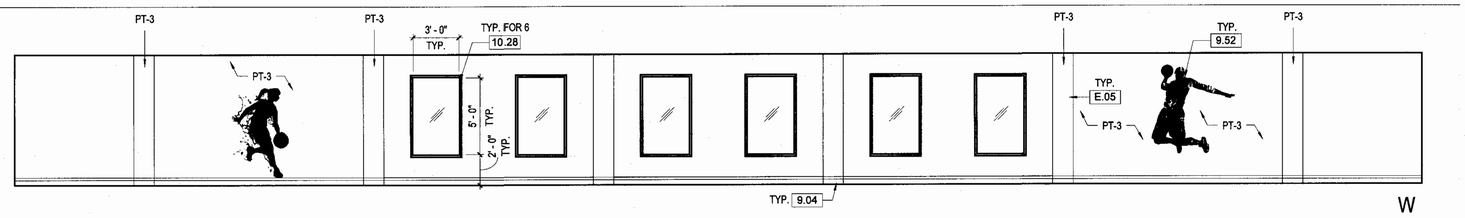




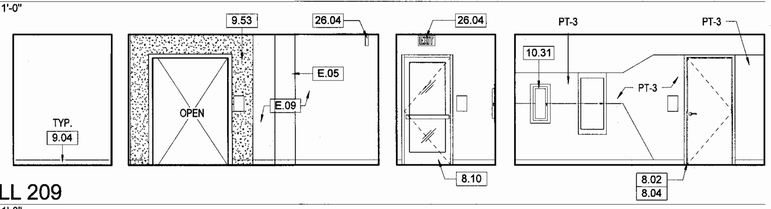


2 S. LOBBY 207
1/4" = 1'-0"

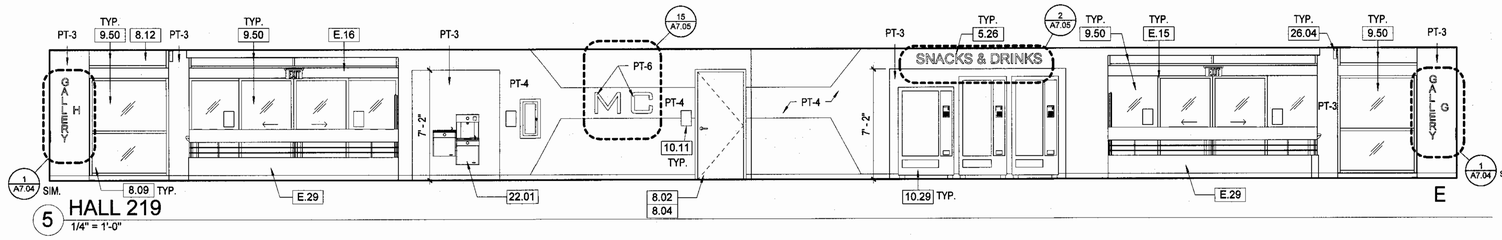




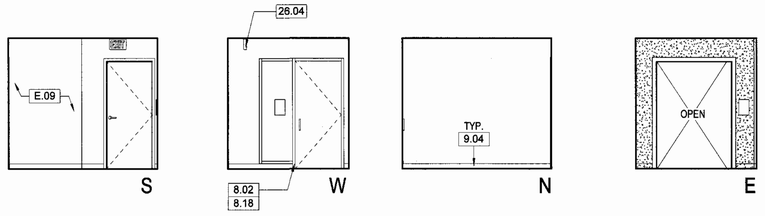
3 HALL 202
1/4" = 1'-0"

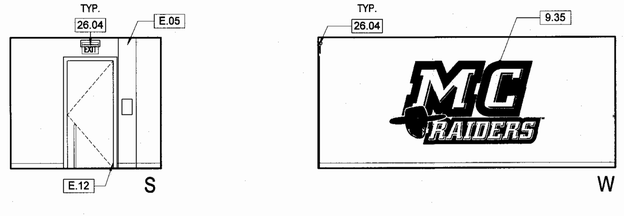


4 HALL 209
1/4" = 1'-0"

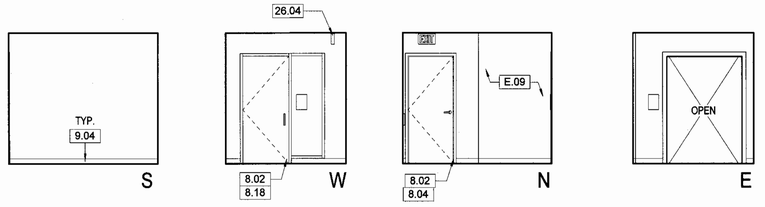


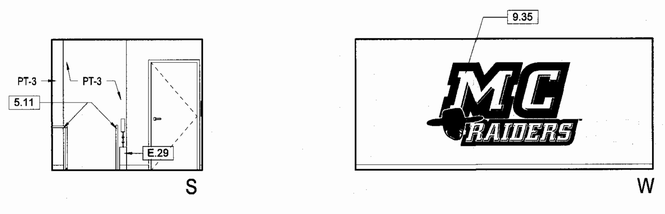
5 HALL 219
1/4" = 1'-0"



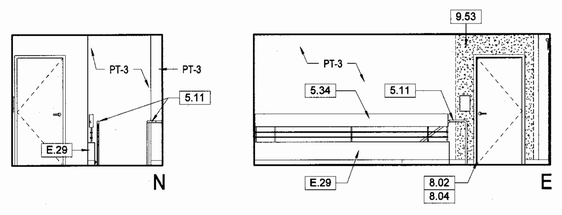


6 HALL 211A
1/4" = 1'-0"





7 HALL 211B
1/4" = 1'-0"



8 HALL 205A
1/4" = 1'-0"

9 HALL 205B
1/4" = 1'-0"

EXISTING KEYNOTES E#

- E.05 (E) CONCRETE COLUMN
- E.09 (E) CONCRETE WALL
- E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS
- E.15 (E) STOREFRONT SLIDING DOORS (AUTOMATIC) WITH EMERGENCY EGRESS FUNCTION TO REMAIN
- E.16 (E) STOREFRONT TO REMAIN
- E.29 (E) CONCRETE GUARDRAIL WALL TO REMAIN

KEYNOTES

- 5.11 (N) STEEL HANDRAIL (PAINTED) - SEE DETAIL 7/A8.08
- 5.13 (N) CONCRETE LOW WALL TO MATCH (E) WALL HEIGHT - SEE DETAIL 2/A8.08
- 5.26 (N) NON-ILLUMINATED ALUMINUM LETTERING - SEE SHEETS A7.01 THRU A7.04
- 5.34 (N) STEEL SLAT RAILING WITH 3" x 12" HOLLOW STEEL TOP RAIL (PAINTED)
- 5.35 (N) 3" x 12" HOLLOW STEEL TOP RAIL (PAINTED)
- 8.01 (N) HOLLOW METAL DOOR - SEE FLOOR PLANS FOR DOOR NO.
- 8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
- 8.03 (N) HOLLOW METAL DOOR FRAME
- 8.04 (N) ANODIZED ALUMINUM DOOR FRAME
- 8.09 (N) CLEAR ANODIZED ALUMINUM STOREFRONT - SEE FLOOR PLANS FOR WINDOW TYPE
- 8.10 (N) CLEAR ANODIZED ALUMINUM STOREFRONT DOOR(S) - SEE FLOOR PLANS FOR DOOR NO.
- 8.12 (N) CLEAR ANODIZED ALUMINUM STOREFRONT CLERESTORY - SEE FLOOR PLANS FOR WINDOW TYPE
- 8.18 (N) SOLID CORE WOOD DOOR W/ FULL LITE - SEE FLOOR PLANS FOR DOOR NO.
- 8.20 (N) STAINLESS STEEL ELEVATOR DOORS
- 8.22 (N) CLEAR ANODIZED ALUMINUM BYPASS SLIDING DISPLAY WINDOWS (MANUAL) - SEE FLOOR PLANS FOR WINDOW TYPE
- 8.29 (N) SOLID CORE WOOD DOOR W/ FULL HEIGHT SIDE LITE - SEE FLOOR PLANS FOR DOOR NO.
- 9.04 (N) RUBBER TOPSET BASE
- 9.35 (N) WALL VINYL, LOGO
- 9.50 (N) VINYL GRAPHIC ON EXTERIOR FACE OF GLASS
- 9.52 (N) WALL VINYL, GRAPHIC

KEYNOTES

- 9.53 (N) METAL STUD WALL INFILL TO MATCH WIDTH OF (E) ADJACENT WALL, SEE DETAILS 8, 12, 13, 14 ON SHEET A5.16. SEE FLOOR PLANS FOR WALL TYPE
- 10.11 (N) SIGNAGE - SEE SHEETS A7.01 THRU A7.04
- 10.21 (N) SURFACE MOUNTED DISPLAY CASE (INTERNALLY ILLUMINATED W/LED), FOR MOUNTING DETAIL SEE 4/A5.04A
- 10.28 (N) DISPLAY CASE (SURFACE MOUNTED), FOR MOUNTING DETAIL SEE 4/A5.04A
- 10.29 (E) VENDING MACHINE RELOCATED
- 10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.
- 14.04 (N) ELEVATOR CALL BUTTONS
- 22.01 (N) HI-LO DRINKING FOUNTAIN/BOTTLE FILLING STATION, SEE 1/A5.04A
- 26.04 (N) ILLUMINATED EXIT SIGN
- 26.06 (N) LINEAR RECESSED LIGHT FIXTURE, 4FT LENGTH - SEE ELECTRICAL
- 26.08 (N) LINEAR RECESSED LIGHT FIXTURE, 6FT LENGTH - SEE ELECTRICAL
- 26.10 (N) FULLY RECESSED ELECTRICAL PANEL (SEE ELECTRICAL) MOUNTED 48" A.F.F. TO HANDLE - PAINT TRIM TO MATCH ADJACENT WALL

LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

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AMADOR WHITTLE
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LICENSED ARCHITECT WILLIAM J. WHITTLE C-30348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
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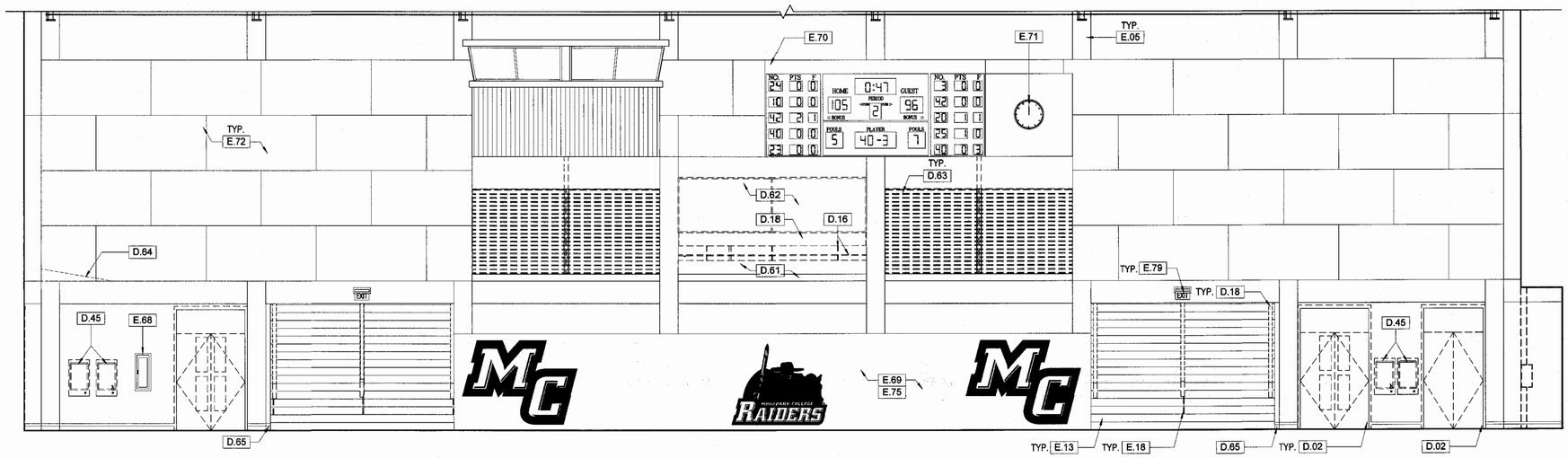
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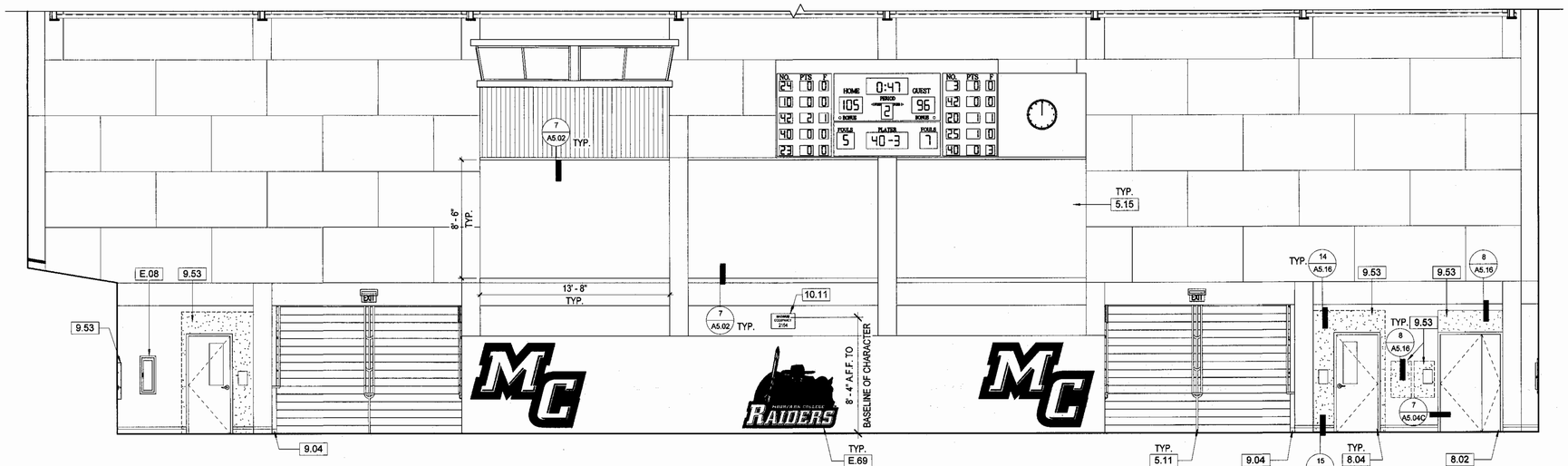
REVISIONS	DATE: 03/26/18
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	JOB NO: 16-MPC-023

SECOND FLOOR - LOBBIES & HALLS
INTERIOR ELEVATIONS
IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

A4.17B
___ OF ___



1 GYM G-1 - DEMOLITION EAST INTERIOR ELEVATION
1/4" = 1'-0"



2 GYM G-1 - NEW CONSTRUCTION EAST INTERIOR ELEVATION
1/4" = 1'-0"

DEMOLITION KEYNOTES D#

- D.02 DEMOLISH (E) DOOR, FRAME AND HARDWARE
- D.16 DEMOLISH (E) RAILING
- D.18 DEMOLISH (E) LAMINATED WOOD TOP RAIL AND METAL SUPPORT POSTS. PREP TO INSTALL (N) STEEL RAILING POSTS INTO (E) EMBEDMENT HOLES
- D.45 DEMOLISH (E) DRINKING FOUNTAIN & CUSPIDOR
- D.61 DEMOLISH (E) CONCRETE CURB WALL
- D.62 DEMOLISH (E) WOOD PANEL SCREEN
- D.63 DEMOLISH (E) METAL SCREEN AND SUPPORTING COLUMN
- D.64 DEMOLISH APPROPIATE PORTION OF (E) TECTUM ACOUSTIC WALL PANEL, IN PREP FOR STAIR #4 VESTIBULE EXTENSION
- D.65 DEMOLISH (E) BASE

EXISTING KEYNOTES E#

- E.05 (E) CONCRETE COLUMN
- E.08 (E) FIRE EXTINGUISHER TO REMAIN
- E.13 (E) STAIRS TO REMAIN
- E.18 (E) RAILING TO REMAIN
- E.68 (E) FIRE EXTINGUISHER CABINET TO REMAIN
- E.69 (E) WALL GRAPHICS TO REMAIN, CLEAN AND PROTECT IN PLACE, RE-FASTEN AS NEEDED
- E.70 (E) SCOREBOARD TO REMAIN, CLEAN AND PROTECT IN PLACE
- E.71 (E) CLOCK & PANEL TO REMAIN, CLEAN AND PROTECT IN PLACE
- E.72 (E) TECTUM ACOUSTIC WALL PANELS TO REMAIN IN PLACE, PREP FOR NEW PAINT
- E.75 (E) WALL GRAPHICS SUPPORTING STRUCTURE TO REMAIN, PATCH, PAINT AND REPAIR TO MATCH EXISTING
- E.79 (E) EXIT SIGN TO REMAIN

KEYNOTES

- 5.11 (N) STEEL HANDRAIL (PAINTED) - SEE DETAIL 7/A8.08
- 5.15 (N) SURFACE MOUNTED PERFORATED METAL IMAGE SCREEN - SEE DETAIL 7/A5.02
- 8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
- 8.04 (N) ANODIZED ALUMINUM DOOR FRAME
- 8.28 (N) SOLID CORE WOOD DOOR W/ HALF LITE - SEE FLOOR PLANS FOR DOOR NO.
- 9.04 (N) RUBBER TOPSET BASE
- 9.53 (N) METAL STUD WALL INFILL TO MATCH WIDTH OF (E) ADJACENT WALL, SEE DETAILS 8, 12, 13, 14 ON SHEET A5.16. SEE FLOOR PLANS FOR WALL TYPE
- 10.11 (N) SIGNAGE - SEE SHEETS A7.01 THRU A7.04

GENERAL NOTES - G-1

1. ALL EXISTING BANNERS TO BE REMOVED DURING DEMOLITION AND RETAINED FOR REUSE BY OWNER.
2. PAINT BASE TO MATCH EXISTING.
3. CEILING, EXPOSED HVAC EQUIPMENT, AND EXPOSED ROOF SUPPORT SYSTEM TO BE PAINTED PT-1.
4. ALL WALLS TO BE PAINTED PT-2, UNLESS NOTED OTHERWISE.
5. INTERIOR FACE OF EXISTING DOORS TO REMAIN, THAT LEAD TO EXTERIOR, TO BE PAINTED PT-6 - INTERIOR SIDE OF DOOR FRAME TO BE PAINTED PT-7.

LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

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WILLIAM J. WHITTLE C-25346 LICENSED ARCHITECT JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

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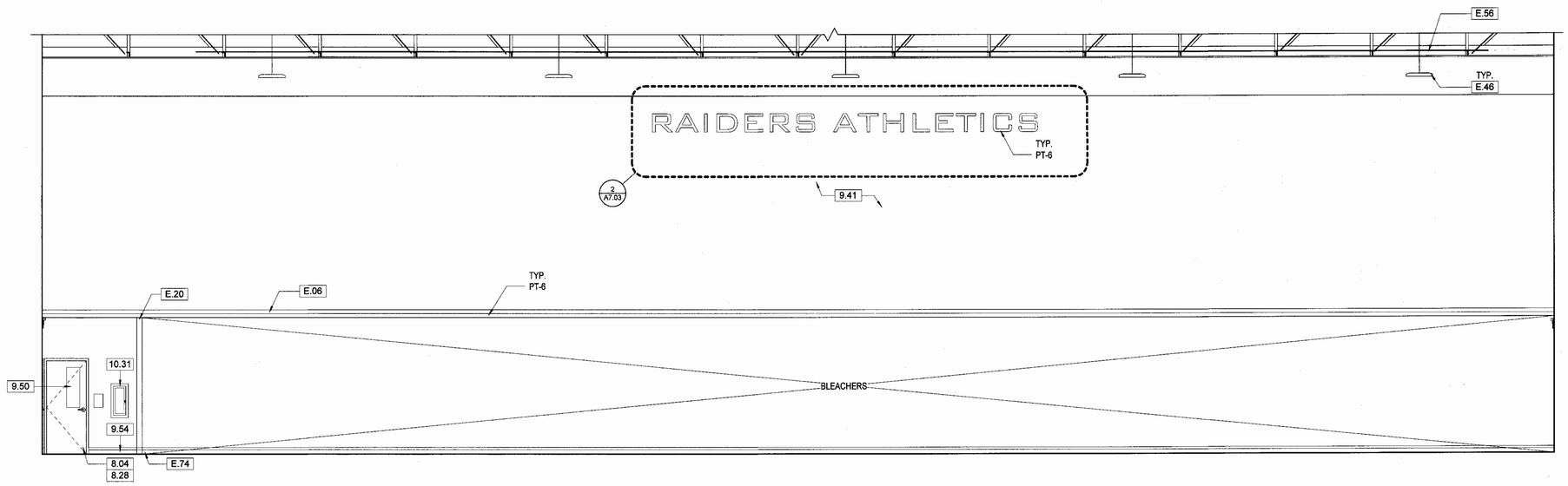
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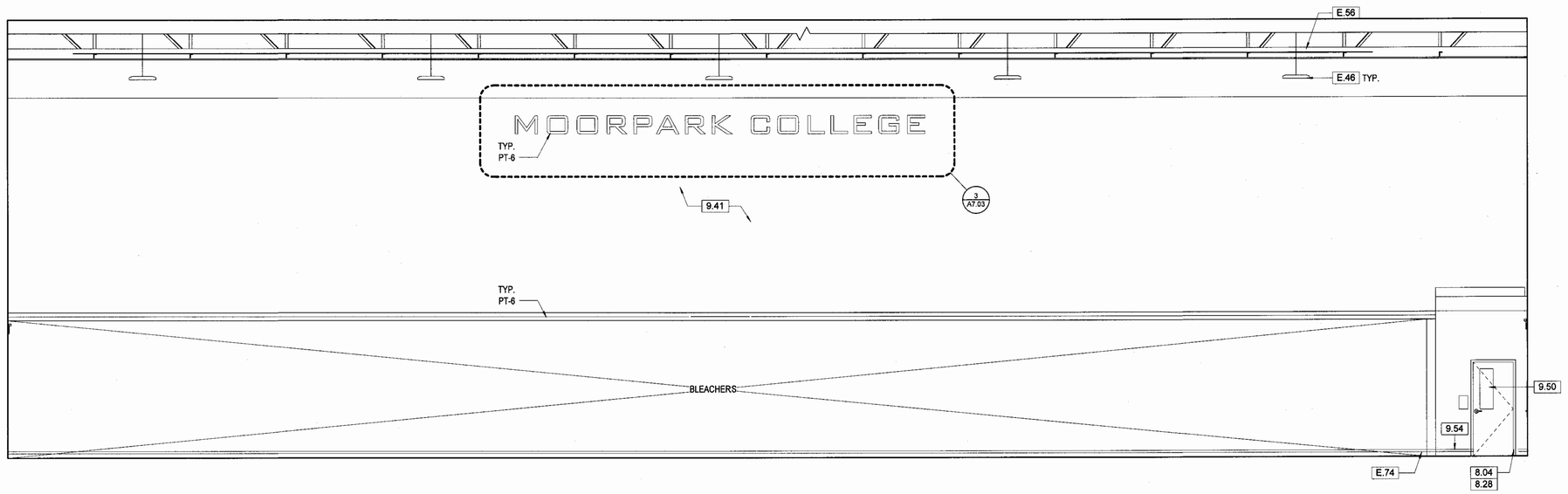
GYM G-1 - INTERIOR ELEVATIONS

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A4.18
___ OF ___



1 GYM G-1 NEW CONSTRUCTION SOUTH INTERIOR ELEVATION
1/4" = 1'-0"



2 GYM G-1 - NEW CONSTRUCTION NORTH INTERIOR ELEVATION
1/4" = 1'-0"

EXISTING KEYNOTES E#

E.06 (E) CONCRETE SLAB TO REMAIN
E.20 (E) STUD WALL TO REMAIN (1HR RATED WHERE SHOWN ON FLOOR PLANS)
E.46 (E) LIGHT FIXTURE TO REMAIN
E.56 (E) STEEL ROOF TRUSS TO REMAIN
E.74 (E) WALL BASE TO REMAIN, PATCH & REPAIR AS NEEDED

KEYNOTES

8.04 (N) ANODIZED ALUMINUM DOOR FRAME
8.28 (N) SOLID CORE WOOD DOOR W/ HALF LITE - SEE FLOOR PLANS FOR DOOR NO.
9.41 (N) 4" METAL STUDS @ 24" O.C.- SEE FLOOR PLANS FOR WALL TYPE
9.50 (N) VINYL GRAPHIC ON EXTERIOR FACE OF GLASS
9.54 (N) RUBBER TOPSET BASE TO MATCH (E) ADJACENT BASE
10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.

GENERAL NOTES - G-1

1. ALL EXISTING BANNERS TO BE REMOVED DURING DEMOLITION AND RETAINED FOR REUSE BY OWNER.
2. PAINT BASE TO MATCH EXISTING.
3. CEILING, EXPOSED HVAC EQUIPMENT, AND EXPOSED ROOF SUPPORT SYSTEM TO BE PAINTED PT-1.
4. ALL WALLS TO BE PAINTED PT-2, UNLESS NOTED OTHERWISE.
5. INTERIOR FACE OF EXISTING DOORS TO REMAIN, THAT LEAD TO EXTERIOR, TO BE PAINTED PT-6 - INTERIOR SIDE OF DOOR FRAME TO BE PAINTED PT-7.

LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS ZH SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JORGE AMADOR C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

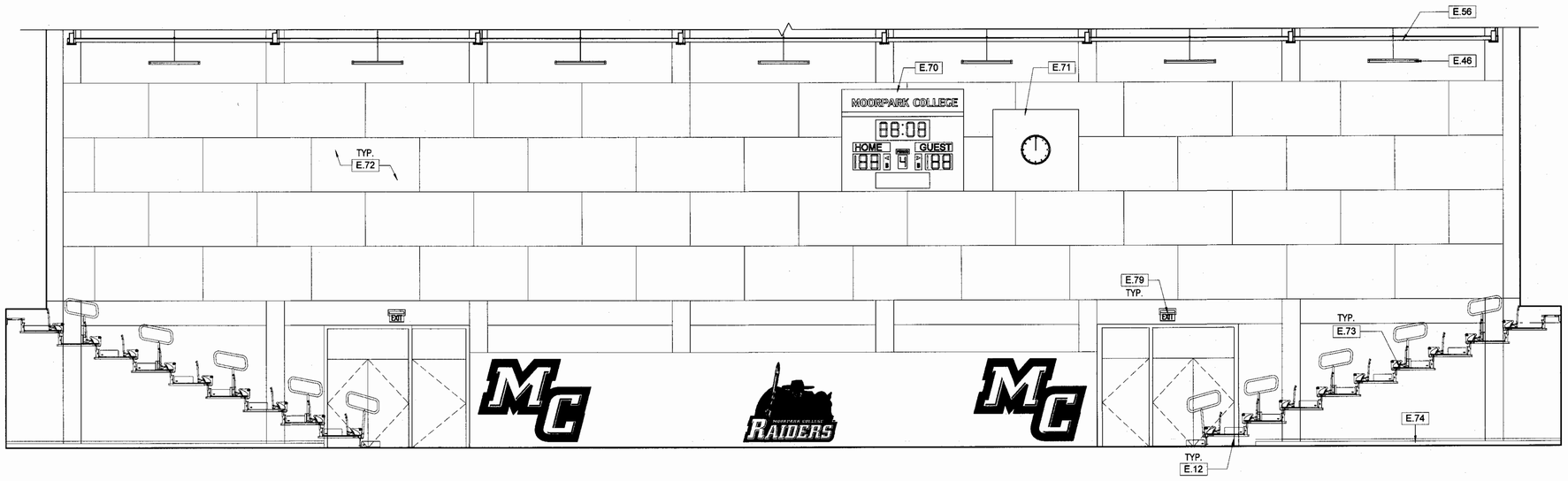
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REVISIONS	DATE: 03/28/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

GYM G-1 - INTERIOR ELEVATIONS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

A4.19



1 GYM G-1 - NEW CONSTRUCTION WEST INTERIOR ELEVATION
1/4" = 1'-0"

EXISTING KEYNOTES E#

- E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS
- E.46 (E) LIGHT FIXTURE TO REMAIN
- E.56 (E) STEEL ROOF TRUSS TO REMAIN
- E.70 (E) SCOREBOARD TO REMAIN, CLEAN AND PROTECT IN PLACE
- E.71 (E) CLOCK & PANEL TO REMAIN, CLEAN AND PROTECT IN PLACE
- E.72 (E) TECTUM ACOUSTIC WALL PANELS TO REMAIN IN PLACE, PREP FOR NEW PAINT
- E.73 (E) BLEACHERS TO REMAIN IN PLACE - A#03-108889 CERTIFIED 12/01/2016
- E.74 (E) WALL BASE TO REMAIN, PATCH & REPAIR AS NEEDED
- E.79 (E) EXIT SIGN TO REMAIN

GENERAL NOTES - G-1

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5. INTERIOR FACE OF EXISTING DOORS TO REMAIN, THAT LEAD TO EXTERIOR, TO BE PAINTED PT-6 - INTERIOR SIDE OF DOOR FRAME TO BE PAINTED PT-7.

LEGEND

XXX-1 FINISH CALL-OUT
SEE MATERIALS LIST A6.06

0' 2' 4' 8' 16'

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AGOURA HILLS, CA 91301
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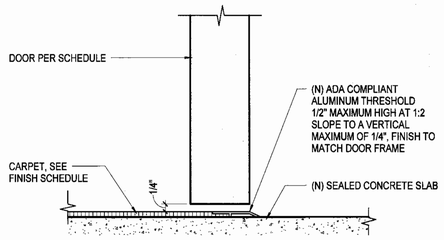
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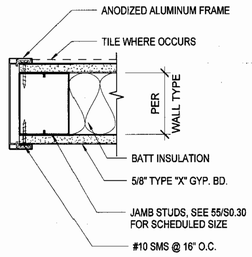
GYM G-1 - INTERIOR ELEVATIONS

A4.20
__ OF __

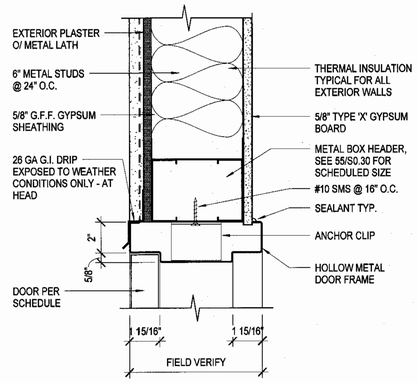
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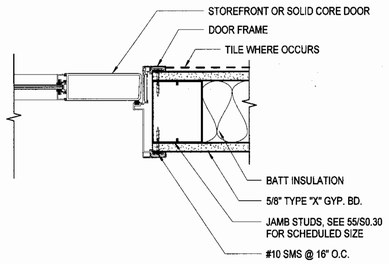
12 THRESHOLD @ INTERIOR DOOR - CARPET TO CONCRETE
6" = 1'-0"



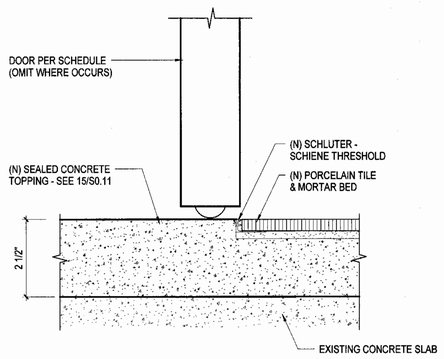
8 INTERIOR C.O. JAMB/HEAD SIM
3" = 1'-0"



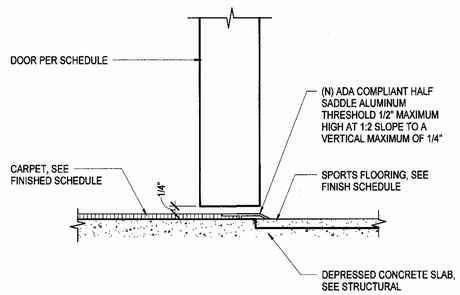
4 EXTERIOR H.M. DOOR HEAD (JAMB SIM.)
3" = 1'-0"



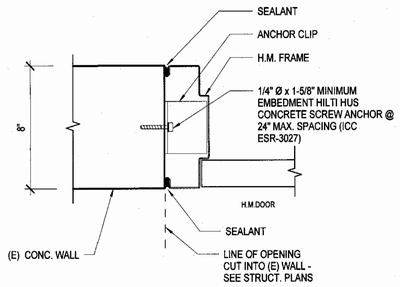
1 INTERIOR DOOR JAMB/HEAD SIM
3" = 1'-0"



13 THRESHOLD @ INTERIOR DOOR - CONCRETE TO TILE AT TOPPING SLAB
6" = 1'-0"

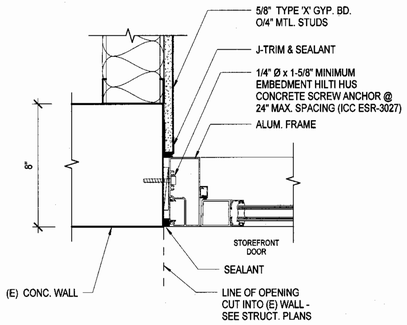


9 THRESHOLD @ INTERIOR DOOR - CARPET TO SPORTS FLOOR
6" = 1'-0"



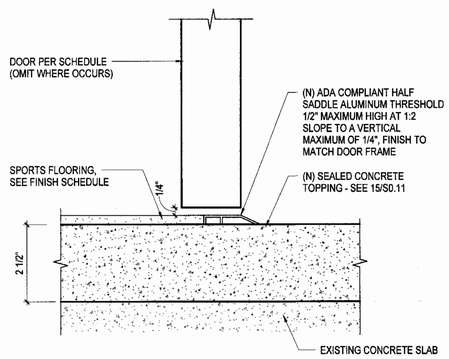
HEAD DETAIL SIMILAR - PROVIDE DRIP FLASHING

5 H.M. DOOR JAMB AT (E) CONC. WALL
3" = 1'-0"

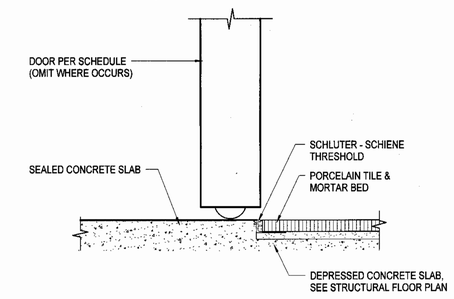


HEAD DETAIL SIMILAR - PROVIDE DRIP FLASHING

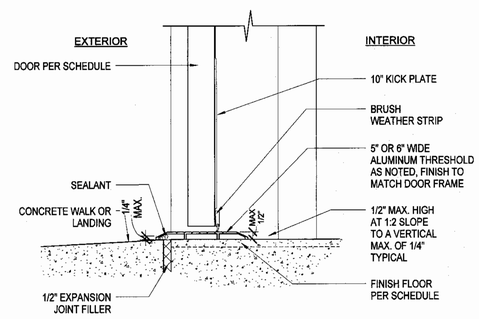
2 STOREFRONT DOOR JAMB AT (E) CONC. WALL
3" = 1'-0"



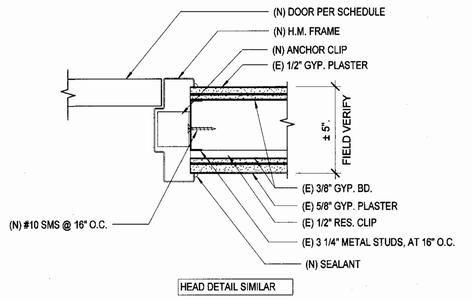
14 THRESHOLD @ INTERIOR DOOR - SPORTS FLOOR ATOP CONCRETE TOPPING
6" = 1'-0"



10 THRESHOLD @ INTERIOR DOOR - CONCRETE TO TILE AT DEPRESSED SLAB
6" = 1'-0"

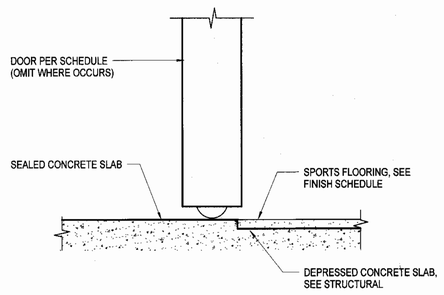


6 EXTERIOR DOOR SILL
3" = 1'-0"

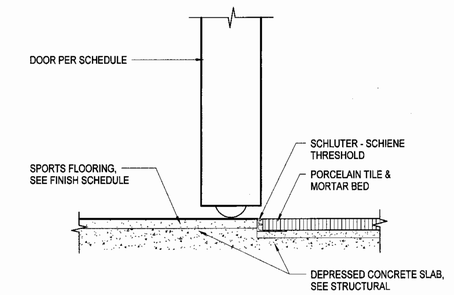


HEAD DETAIL SIMILAR

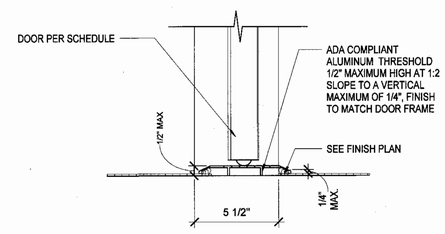
3 INT. H.M. DOOR JAMB AT (E) PLASTER WALL
3" = 1'-0"



15 THRESHOLD @ INTERIOR DOOR - CONC. TO SPORTS FLOOR AT DEPRESSED SLAB
6" = 1'-0"



11 THRESHOLD @ INTERIOR DOOR - SPORTS FLOOR TO TILE AT DEPRESSED SLAB
6" = 1'-0"



7 INTERIOR DOOR SILL
3" = 1'-0"

CONSULTANT

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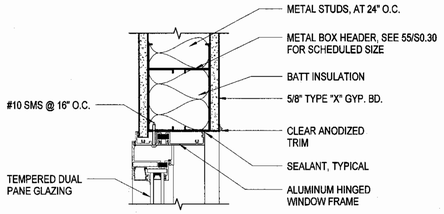
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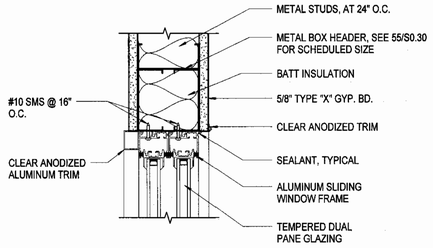
DOOR DETAILS

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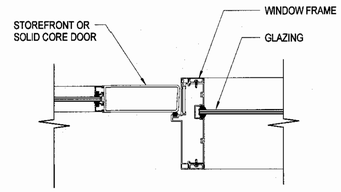
A5.01



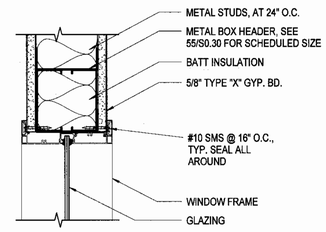
12 INTERIOR HINGED WINDOW HEAD
3" = 1'-0"



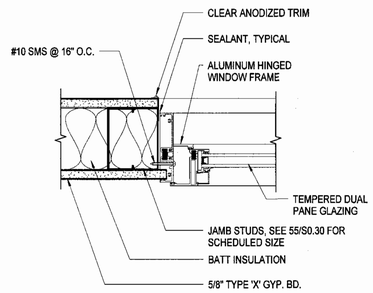
8 INTERIOR SLIDING WINDOW HEAD
3" = 1'-0"



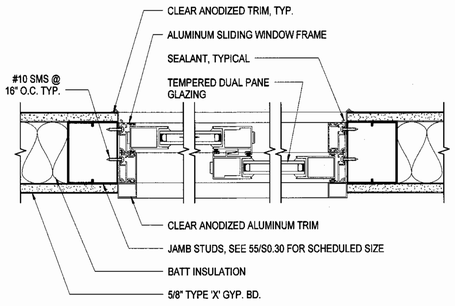
4 DOOR JAMB AT WINDOW
3" = 1'-0"



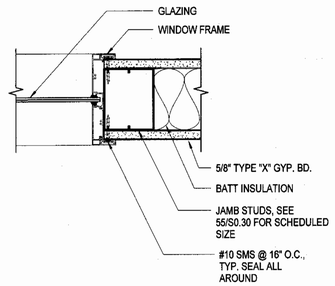
1 INTERIOR WINDOW HEAD
3" = 1'-0"



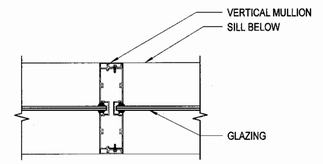
13 INTERIOR HINGED WINDOW JAMB
3" = 1'-0"



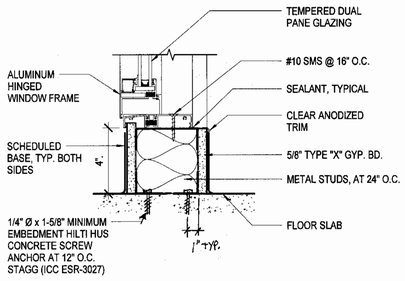
9 INTERIOR SLIDING WINDOW JAMBS
3" = 1'-0"



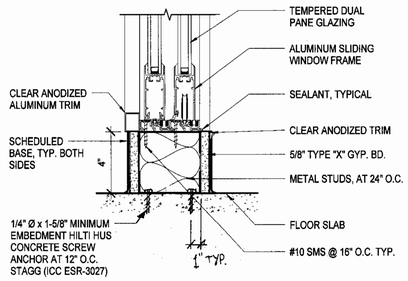
5 INTERIOR WINDOW JAMB
3" = 1'-0"



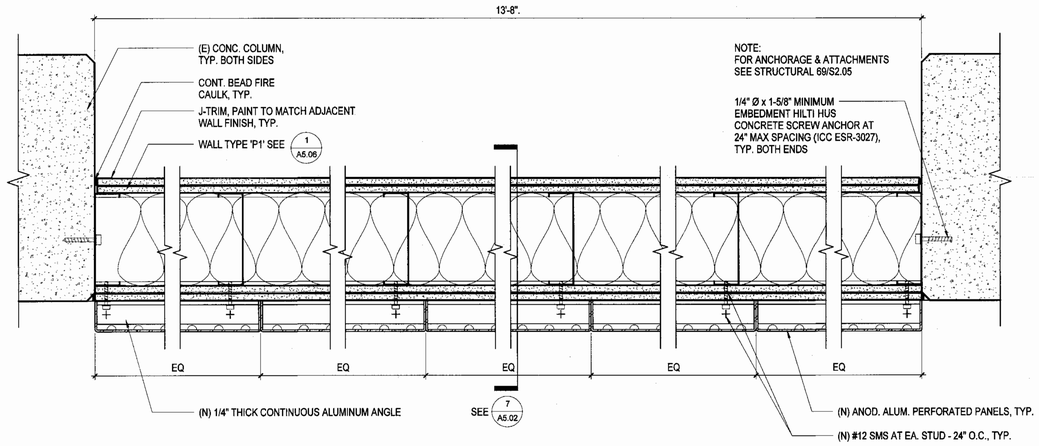
2 INTERIOR WINDOW MULLION
3" = 1'-0"



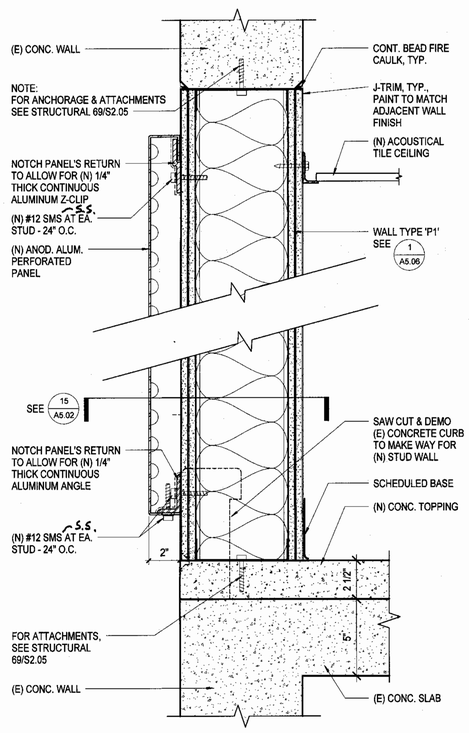
14 INTERIOR HINGED WINDOW SILL
3" = 1'-0"



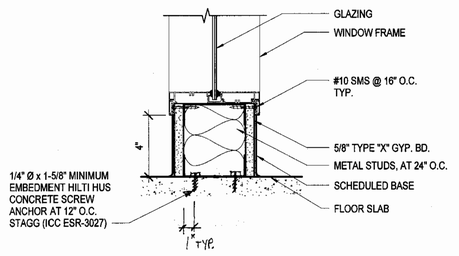
10 INTERIOR SLIDING WINDOW SILL
3" = 1'-0"



15 PERFORATED PANEL DETAIL
3" = 1'-0"



7 PERFORATED PANEL DETAIL
3" = 1'-0"



3 INTERIOR WINDOW SILL
3" = 1'-0"

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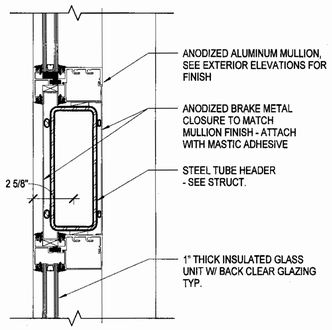
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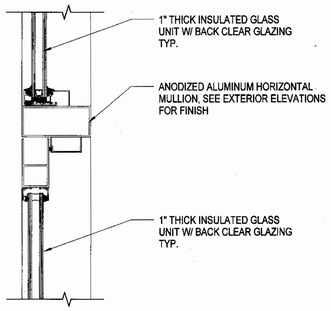
INTERIOR WINDOW DETAILS

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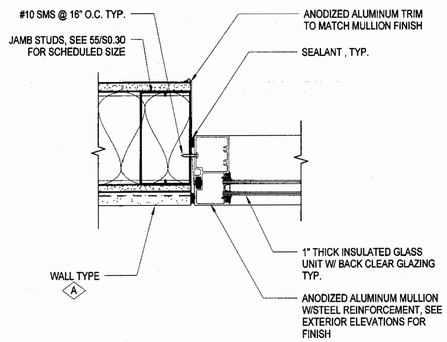
A5.02
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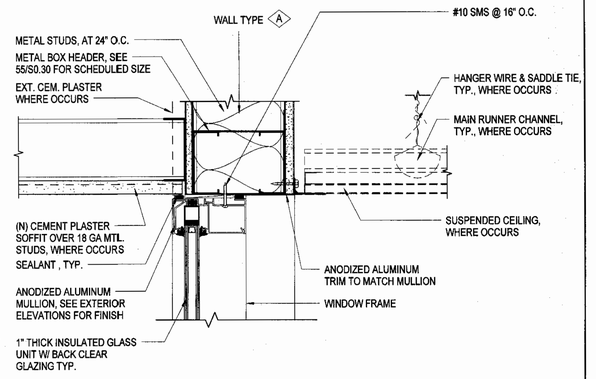
12 STOREFRONT SYSTEM HEADER SECTION
3" = 1'-0"



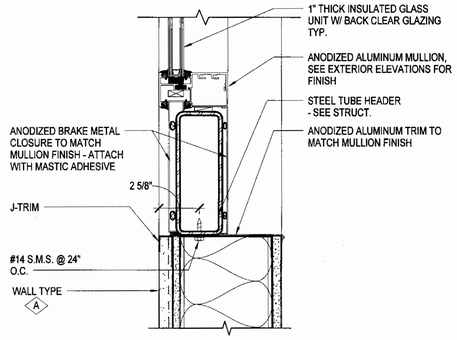
8 STOREFRONT SYSTEM DOOR HEAD SECTION
3" = 1'-0"



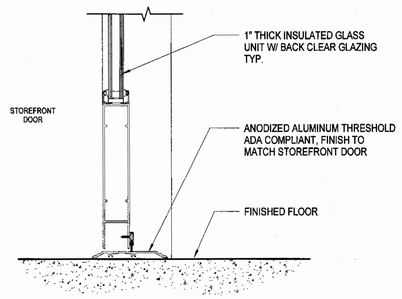
4 STOREFRONT SYSTEM JAMB PLAN
3" = 1'-0"



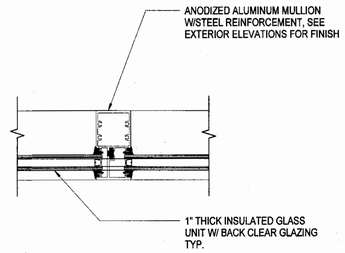
1 STOREFRONT SYSTEM HEAD SECTION
3" = 1'-0"



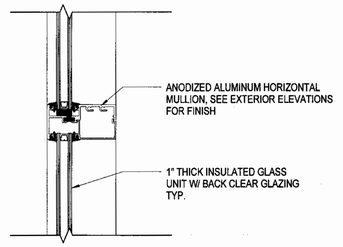
13 STOREFRONT SYSTEM SILL AT STUCCO WALL
3" = 1'-0"



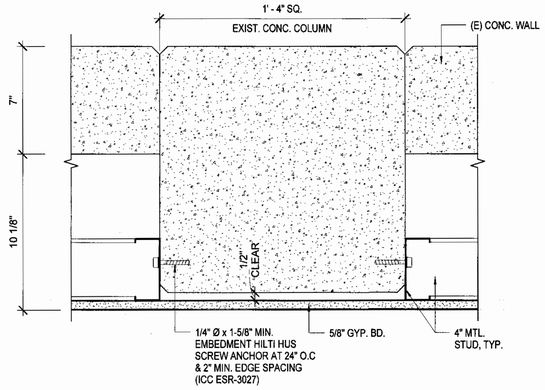
9 STOREFRONT SYSTEM DOOR SILL SECTION
3" = 1'-0"



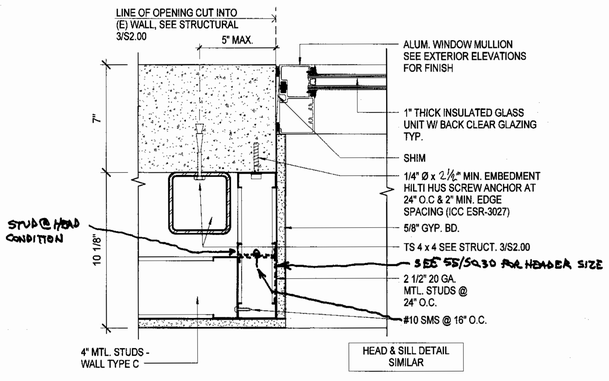
5 STOREFRONT SYSTEM MULLION PLAN
3" = 1'-0"



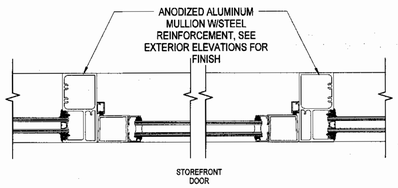
2 STOREFRONT SYSTEM HORIZ MULLION SECTION
3" = 1'-0"



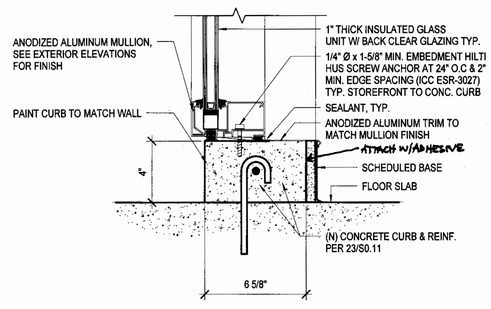
14 FURRED WALL AT (E) CONC. COLUMN
3" = 1'-0"



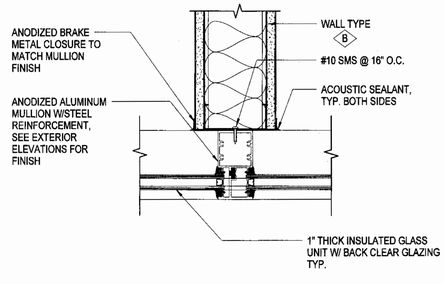
10 (N) WINDOW JAMB AT (E) CONC. WALL
3" = 1'-0"



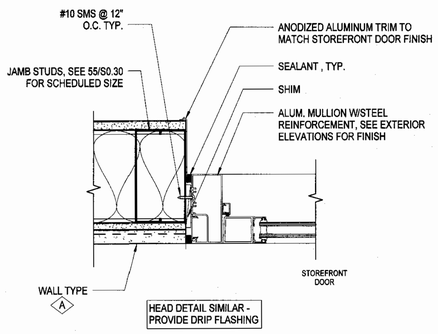
6 STOREFRONT SYSTEM DOOR PLAN
3" = 1'-0"



3 STOREFRONT SYSTEM SILL SECTION
3" = 1'-0"



11 STOREFRONT SYSTEM MULLION PLAN AT WALL
3" = 1'-0"



7 STOREFRONT SYSTEM DOOR JAMB AT WALL
3" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM J. WHITTLE C-30348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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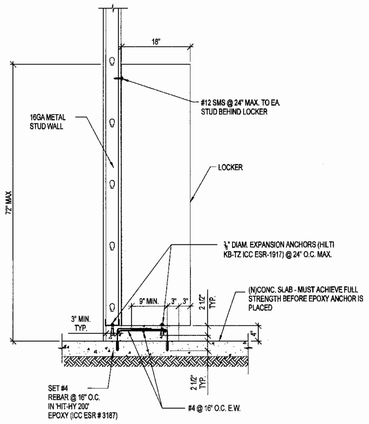
REVISIONS	DATE: 03/26/18
	DRAWN: RJF/WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

STOREFRONT & EXTERIOR WINDOW DETAILS

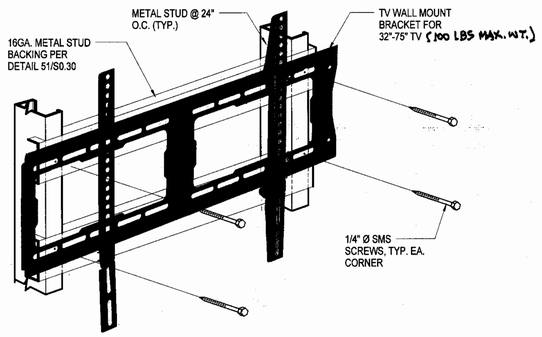
IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY.

A5.03

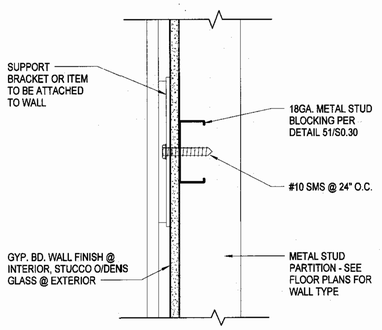
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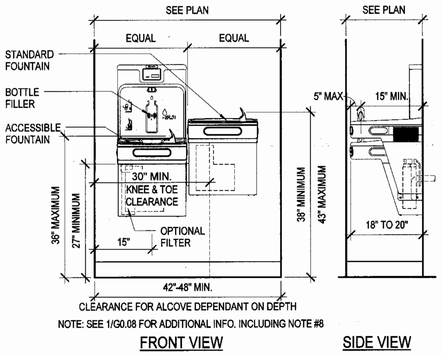
12 STD. LOCKER ANCHORAGE (METAL STUD WALL)
3/4" = 1'-0"



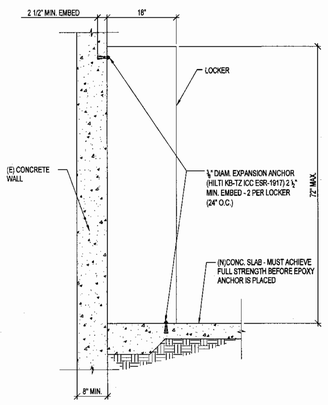
8 TV WALL MOUNTING DETAIL
3" = 1'-0"



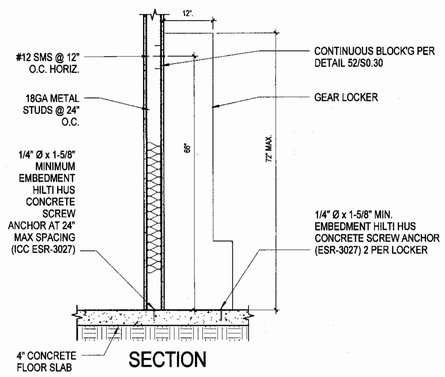
4 MISC. WALL MOUNTING DETAIL (METAL STUD)
3" = 1'-0"



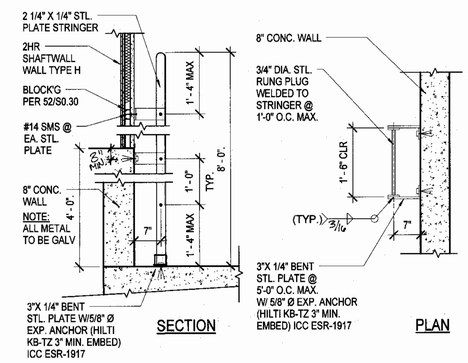
1 HI-LO DRINKING FOUNTAIN
3/4" = 1'-0"



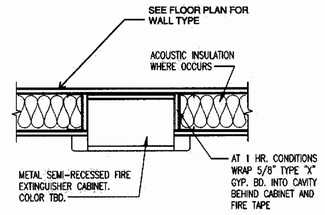
13 LOCKER ANCHORAGE (CONCRETE WALL)
3/4" = 1'-0"



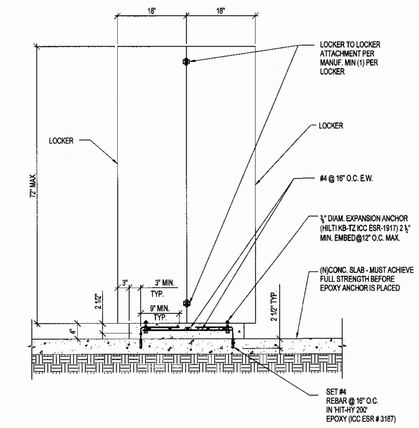
9 GEAR LOCKER ANCHORAGE (METAL STUD WALL)
3/4" = 1'-0"



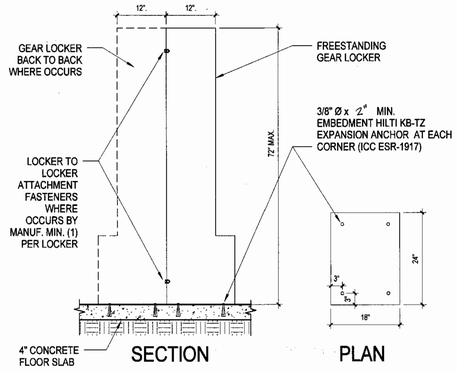
5 ELEVATOR PIT LADDER
3/4" = 1'-0"



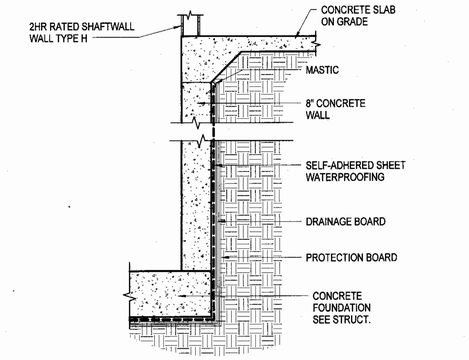
2 FIRE EXTINGUISHER CABINET (SEMI-RECESSED)
1 1/2" = 1'-0"



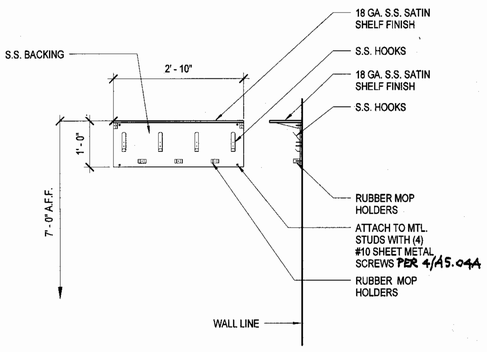
14 STD. LOCKER ANCHORAGE AT CONCRETE CURB
3/4" = 1'-0"



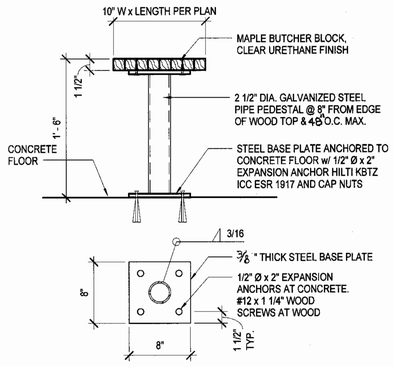
10 GEAR LOCKER ANCHORAGE TO FLOOR SLAB
3/4" = 1'-0"



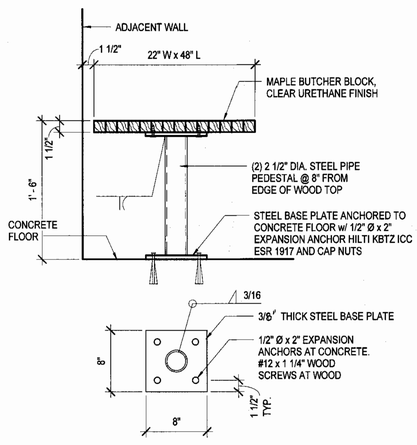
6 ELEVATOR PIT WATERPROOF DETAIL
1/2" = 1'-0"



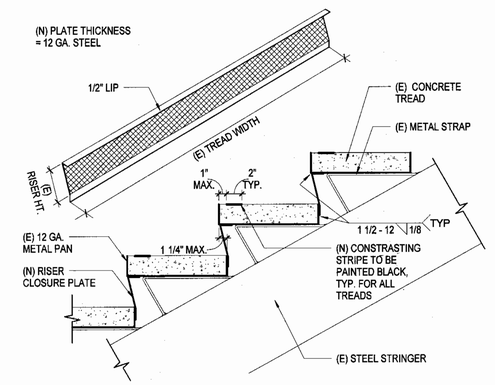
3 MOP RACK
3/4" = 1'-0"



15 LOCKER BENCH
1 1/2" = 1'-0"



11 ACCESSIBLE BENCH
1 1/2" = 1'-0"



7 STEEL CLOSURE PLATE & CONTRAST STRIPE
1 1/2" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS ZM SS
DATE 08-19-18

AMADOR WHITTLE ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH AMADOR WHITTLE C-30348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

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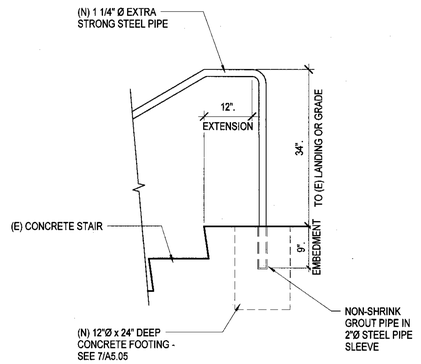
REVISIONS	DATE: 03/26/18
	DRAWN: RJF/ WTJ
	CHECK: RJF/ WJA
	JOB NO: 16-MPC-023

MISCELLANEOUS DETAILS

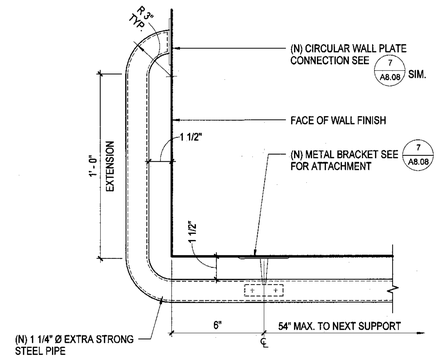
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A5.04A

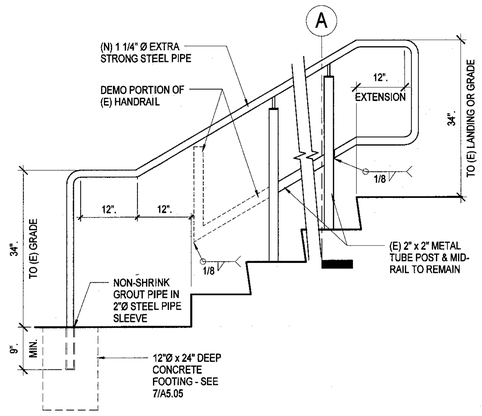
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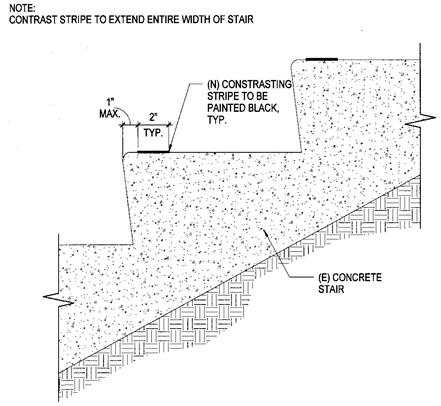


11 HANDRAIL EXTENSION INTO SLAB ON GRADE
3" = 1'-0"

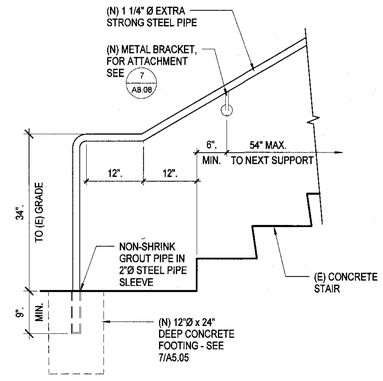


7 HANDRAIL EXT. DETAIL AT CORNER W/ RETURN
3" = 1'-0"

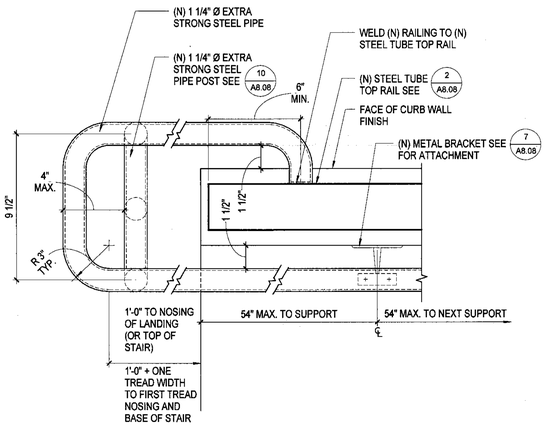




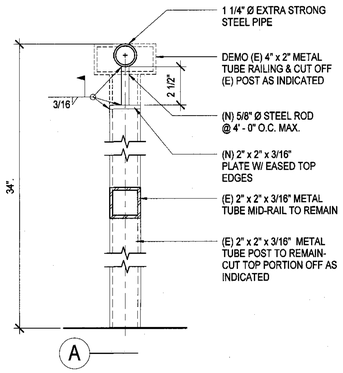
1 (E) EXTERIOR STAIR TREAD CONTRAST STRIPE
3" = 1'-0"



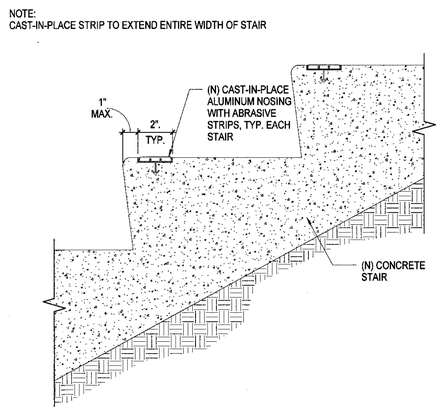
12 HANDRAIL EXTENSION INTO SLAB ON GRADE
3" = 1'-0"



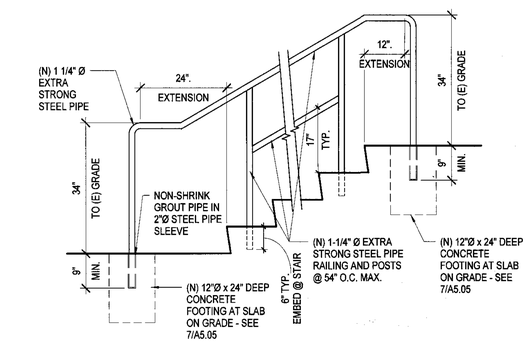
8 SIDE HANDRAIL EXTENSION DETAIL AT LOBBY
3" = 1'-0"



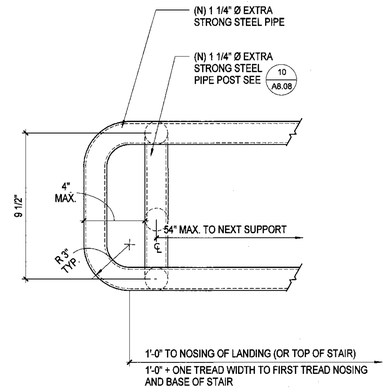
4 CENTER HANDRAIL AT EXT. STAIR #2
3" = 1'-0"



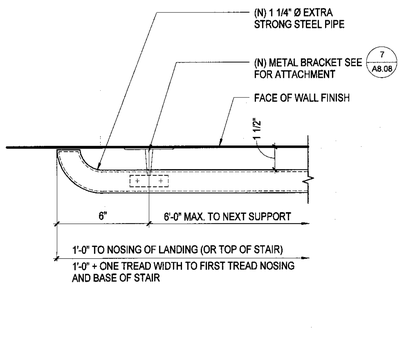
2 (N) INTERIOR STAIR TREAD CONTRAST STRIPE
3" = 1'-0"



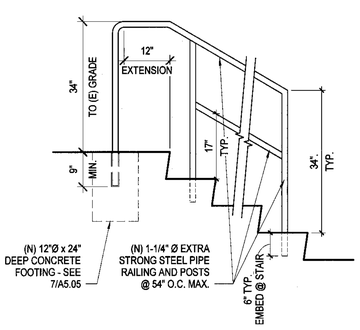
13 HANDRAIL W/ TOP AND BOTTOM EXTENSIONS
3/4" = 1'-0"



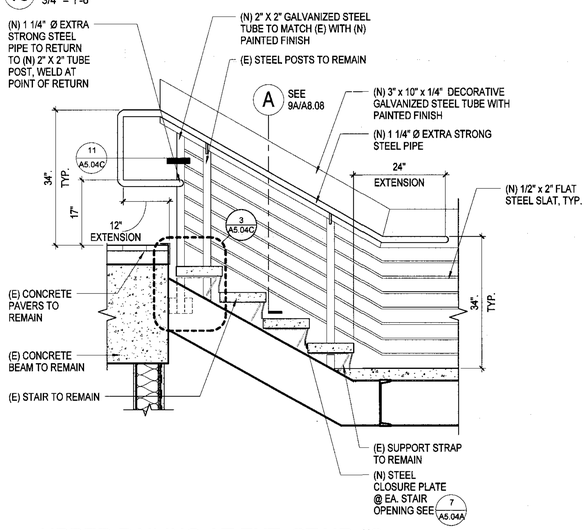
9 CENTER HANDRAIL EXTENSION DETAIL AT LOBBY
3" = 1'-0"



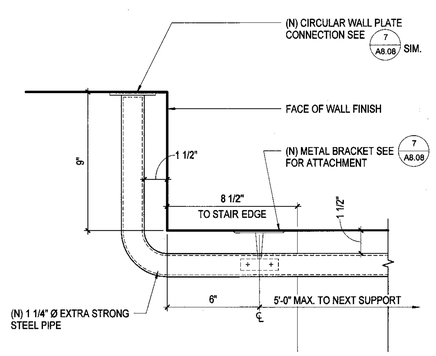
5 HANDRAIL EXTENSION DETAIL AT SIDE WALL
3" = 1'-0"



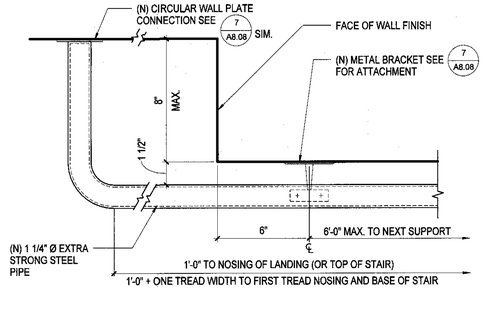
3 HANDRAIL W/ TOP EXTENSION ONLY
3/4" = 1'-0"



14 UPPER RAILING AT EXT. STAIR #2
3/4" = 1'-0"



10 WALL MOUNTED HANDRAIL DETAIL AT CORNER
3" = 1'-0"



6 HANDRAIL EXTENSION DETAIL AT SIDE WALL
3" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
FLS ZH SS RO
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH AMADOR C-30546 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

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(805) 530-3938 , (818) 874-0071

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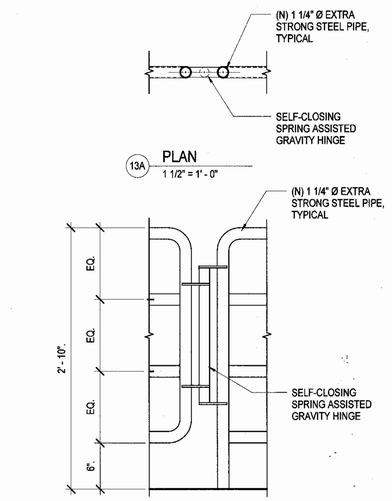
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/ WJA
	JOB NO: 16-MPC-023

MISCELLANEOUS DETAILS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

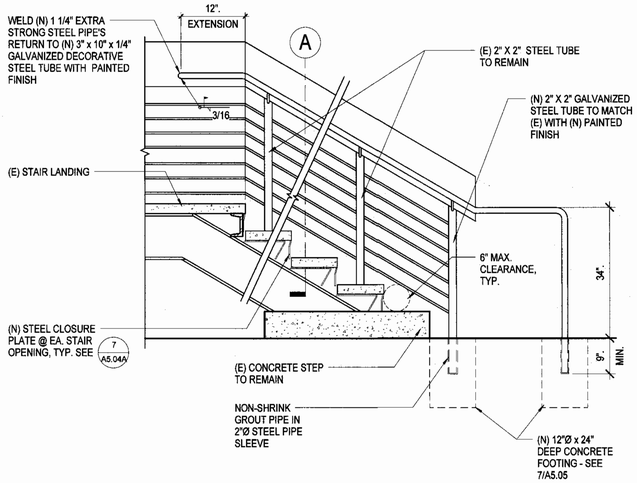
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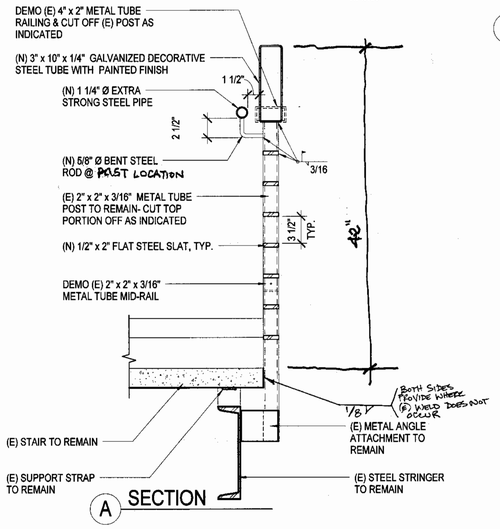
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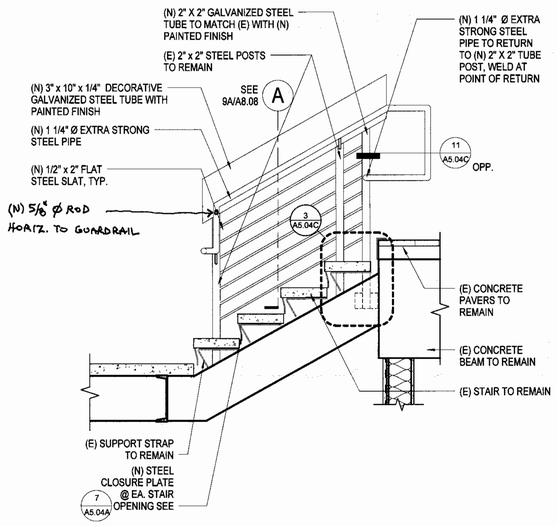
NOTE: ALL COMPONENTS TO BE GALVANIZED AND PAINTED.

13 ONE-WAY GATE DETAIL
3/4" = 1'-0"

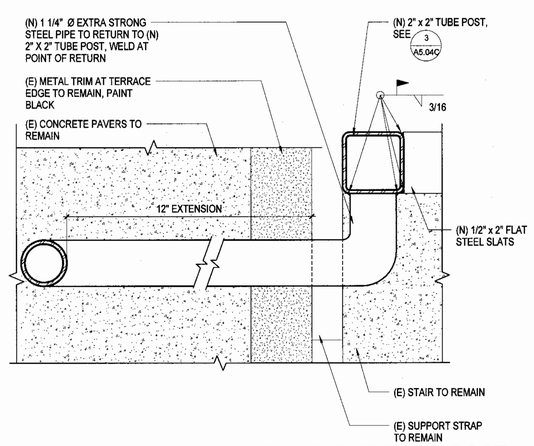




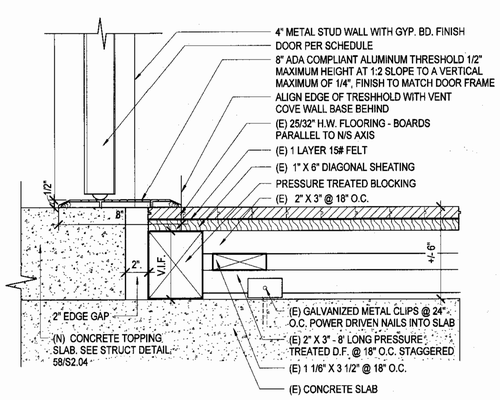
9 GUARDRAIL AT EXTERIOR STAIR #2
1 1/2" = 1'-0"



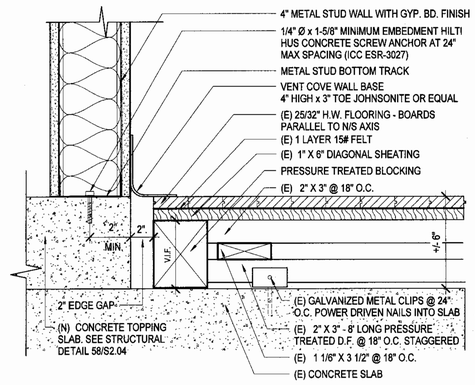
10 INNER RAILING AT EXT. STAIR #2
3/4" = 1'-0"



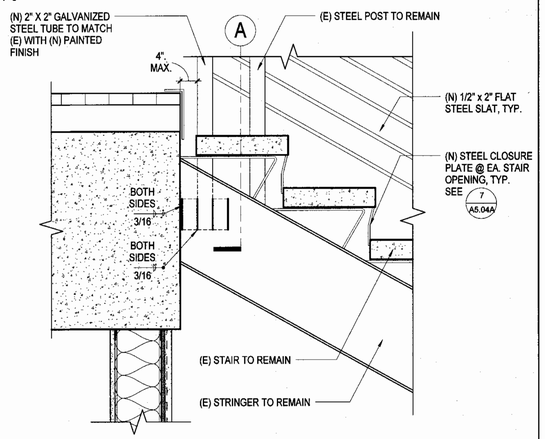
11 HANDRAIL EXTENSION ATTACHMENT TO (N) POST
6" = 1'-0"

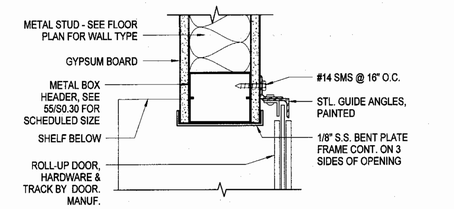


4 CONCRETE INFILL AT GYM FLOOR (DOOR CONDITION)
3" = 1'-0"

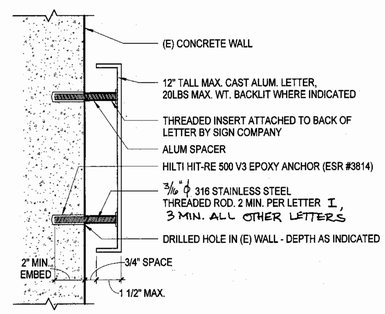


1 CONCRETE INFILL AT GYM FLOOR (WALL CONDITION)
3" = 1'-0"

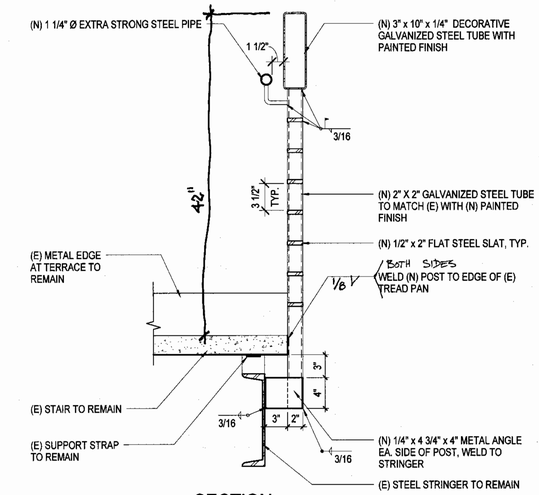




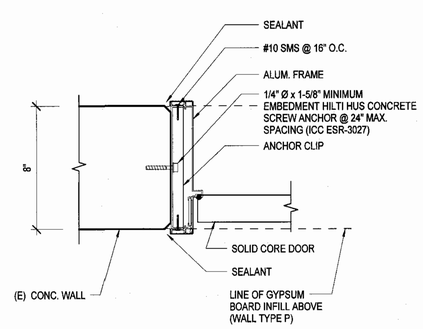
5 ROLL-UP WINDOW JAMB
3" = 1'-0"



6 ALUM LETTER MOUNTING @ CONCRETE WALL
3" = 1'-0"



3 RAILING POST ATTACHMENT AT EXT. STAIR #2
1 1/2" = 1'-0"



7 ALUM. DOOR JAMB AT (E) CONC. WALL
3" = 1'-0"

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IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
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APPL. NO. 03-118379
FLS ZM SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JAMES AMADOR C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3936 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

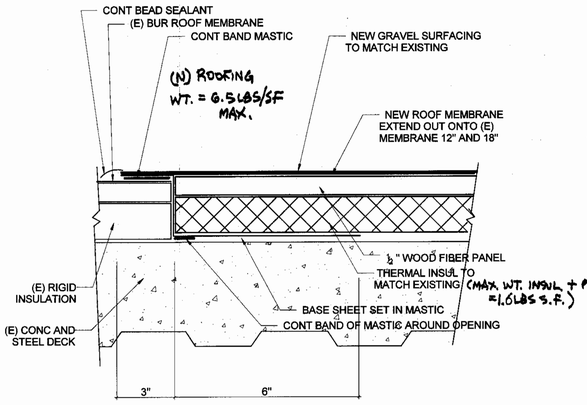
NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: GE
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

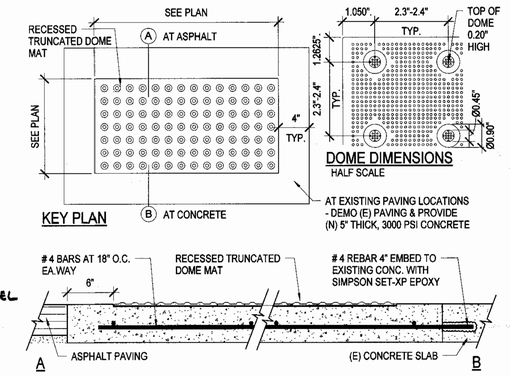
MISCELLANEOUS DETAILS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

A5.04C
__ OF __

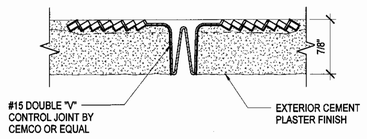


4 ROOF PATCH TIE-IN DETAIL
6" = 1'-0"

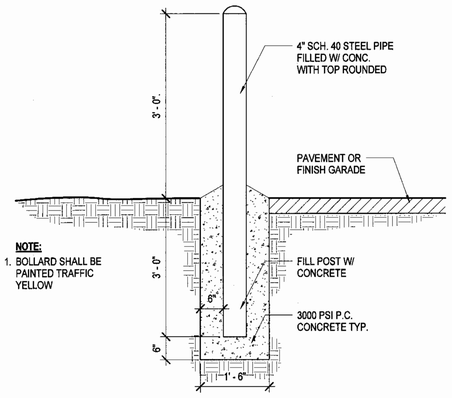


1 TACTILE WARNING SURFACE MAT
1 1/2" = 1'-0"

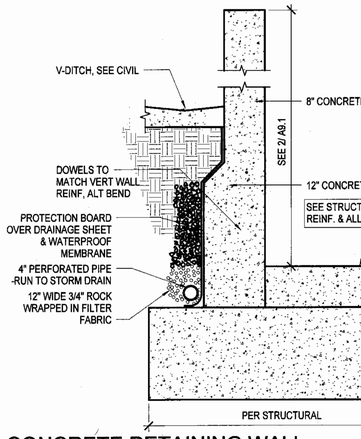
ALL FACTORY FABRICATED INTERSECTIONS AND CORNER PIECES OF THE MOLDINGS SHALL BE USED TO CONNECT HORIZONTAL AND VERTICAL JOINTS PER MANUFACTURER'S INSTRUCTIONS.



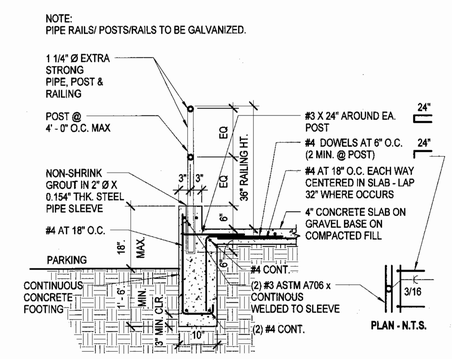
5 PLASTER CONTROL JOINT
12" = 1'-0"



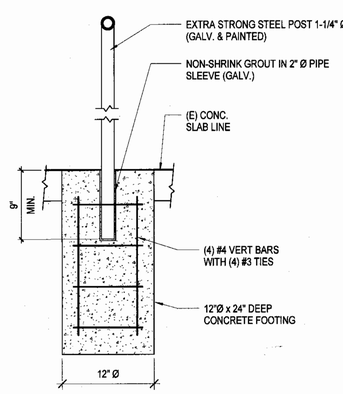
2 PIPE BOLLARD
3/4" = 1'-0"



6 CONCRETE RETAINING WALL
1" = 1'-0"



3 RAILING AT SIDEWALK
3/4" = 1'-0"



7 RAILING POST FOOTING
1 1/2" = 1'-0"

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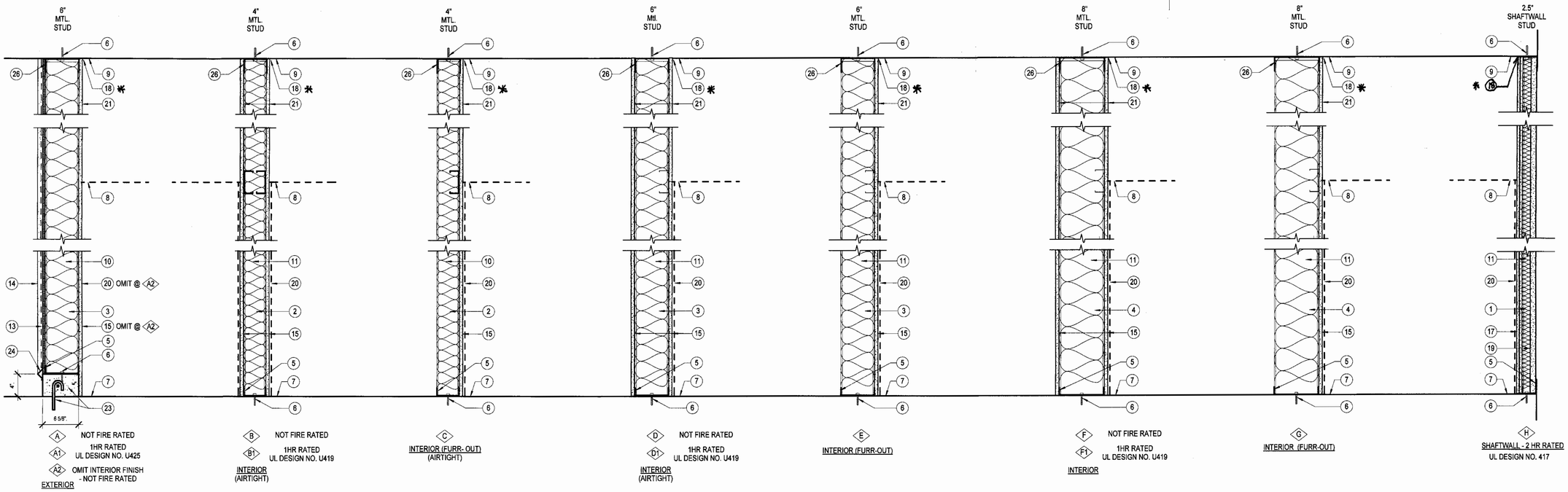
REVISIONS	DATE: 03/26/18
	DRAWN: JA
	CHECK: RJF/ WJA
	JOB NO: 18-MPC-023

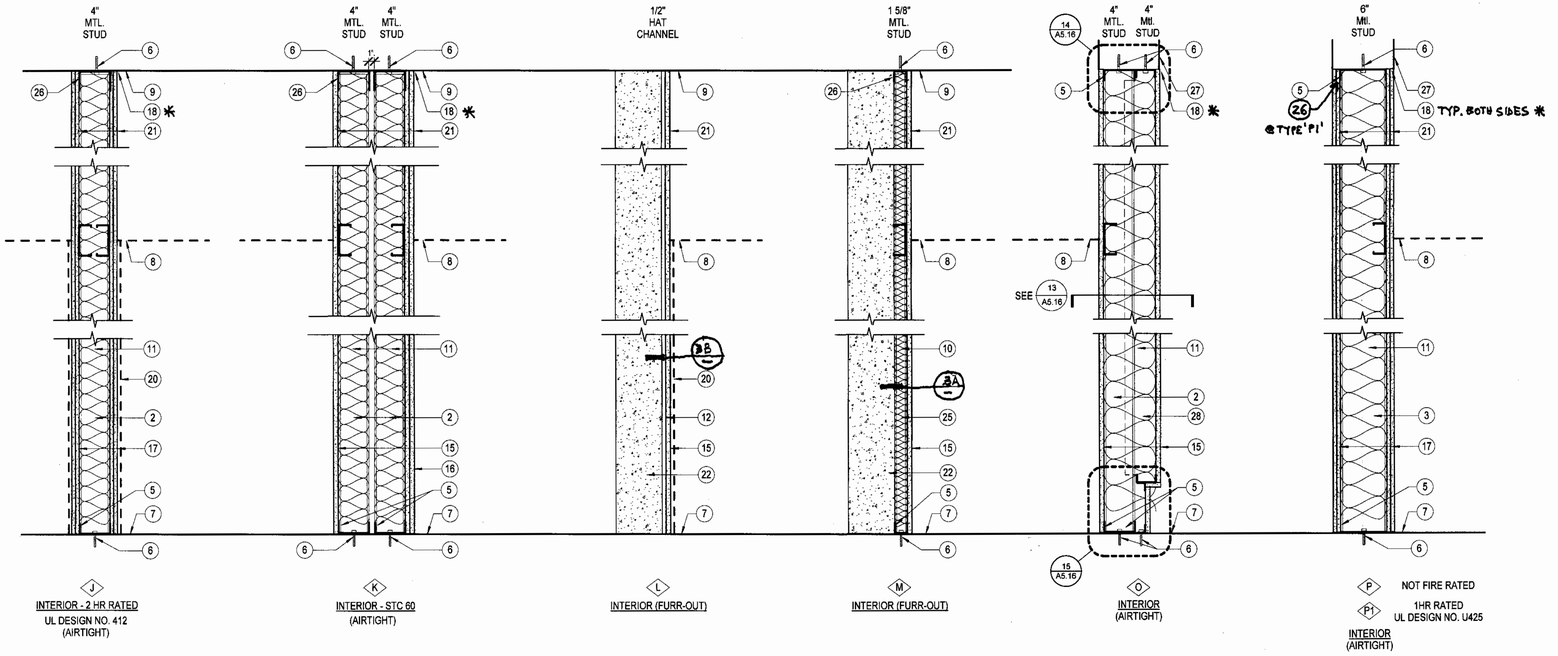
EXTERIOR DETAILS

A5.05

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

___ OF ___





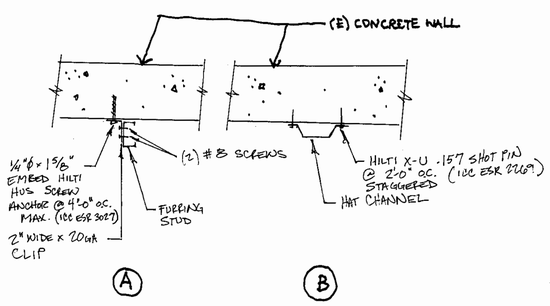
WALL TYPES GENERAL NOTES

1. SEE STRUCTURAL SHEET S0.30 FOR STUD PROPERTIES, SPANS AND BLOCKING REQUIREMENTS
2. INSTALL 5/8" MOLD RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS NOT COVERED BY TILE FINISH
3. INSTALL 5/8" CEMENTITOUS BACKER BOARD AT ALL CERAMIC TILE LOCATIONS
4. SEE INTERIOR ELEVATIONS FOR EXTENT OF FRP NOT SHOWN HERE.
5. WALL TYPES B, C, D, J AND K SHALL BE DESIGNATED AIRTIGHT AND BE BUILT TO PREVENT SOUND TRANSMISSION PER SOUND ISOLATION DETAILS AND NOTES ON SHEET A5.07.
6. ALL FIRE-RATED WALLS SHALL MAINTAIN FIRE-RATED CONTINUITY PER DETAILS ON SHEET A5.15A.

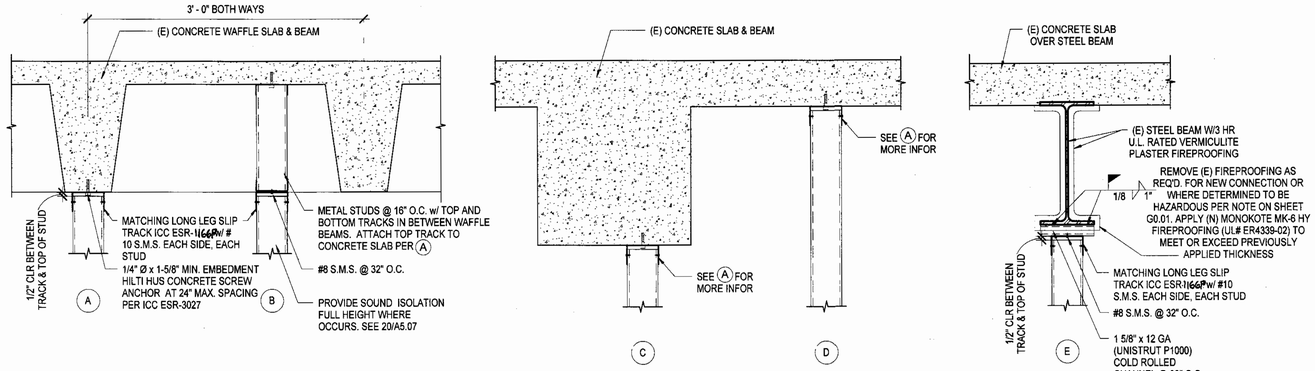
WALL TYPES KEYNOTES

1. 2 1/2" 20 GA SHAFTWALL STUDS AT 24" O.C.
2. 4" 20 GA METAL STUDS AT 24" O.C.
3. 6" 20 GA METAL STUDS AT 24" O.C. FOR INTERIOR WALLS AND 16" O.C. FOR EXTERIOR WALLS
4. 8" 20 GA METAL STUDS AT 24" O.C.
5. 20 GA METAL TRACK TO MATCH STUD WIDTH
6. 1/4" Ø x 1-5/8" MINIMUM EMBEDMENT HILTI HUS CONCRETE SCREW ANCHOR AT 24" MAX SPACING (ICC ESR-3027) SEE DETAIL 2/A5.06 FOR VARIATIONS AT HEAD CONDITION
7. FINISH FLOOR (SEE FINISH SCHEDULE FOR FLOOR FINISHES)
8. DROPPED CEILING LINE WHERE OCCURS
9. UNDERSIDE OF (E) STRUCTURAL DECK
10. THERMAL INSULATION @ EXTERIOR WALLS, ACOUSTIC INSULATION @ INTERIOR WALLS
11. ACOUSTICAL INSULATION
12. 1/2" 20 GA RESILIENT CHANNELS @ 24" O.C.
13. 5/8" DENSGLASS GYPSUM SHEATHING
14. EXTERIOR CEMENT PLASTER OVER METAL LATH
15. 5/8" TYPE 'X' GYPSUM BOARD TYPICAL. 5/8" CEMENTITIOUS BOARD WHERE TILE OCCURS IN WET AREAS
16. DOUBLE LAYERS 5/8" TYPE 'X' GYPSUM BOARD
17. DOUBLE LAYERS 1/2" TYPE 'X' GYPSUM BOARD
18. ACOUSTIC SEALANT/FIRE CAULKING @ RATED WALLS
19. 1" GYPSUM BOARD SHAFT LINER
20. CERAMIC TILE VENEER WHERE OCCURS
21. EXTEND GYPSUM BOARD TO U/S OF DECK ABOVE - PENETRATIONS SHALL BE RATED AS REQUIRED
22. (E) CONCRETE WALL/COLUMN
23. (N) CONCRETE CURB & REINF. PER 23/S0.11
24. GALV. METAL DRIP SCREED
25. 1 5/8" 20 GA METAL STUDS AT 24" O.C. ANCHORED TO CONC. WALL AT 48" O.C. VERT. - SEE STRUCT. SHEET S0.30
26. 20 GA LONG LEG SLIP TRACK TO MATCH STUD WIDTH ICC ESR-1668P INSTALL PER DETAIL 2/A5.06
27. (E) CONCRETE WALL
28. 4" 20 GA NON-STRUCTURAL METAL SCAB STUDS

1 WALL TYPES
1 1/2" = 1'-0"



3 FURRING STUD ATTACHMENT
N.T.S.



2 TYPICAL NON-BEARING STUD TOP CONNECTION
1 1/2" = 1'-0"

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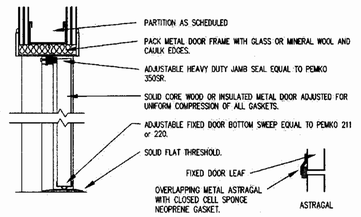
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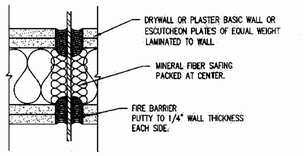
WALL TYPES

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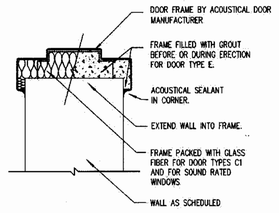
A5.06 ___ OF ___



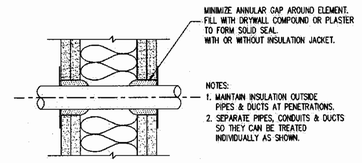
19 BUILDING STANDARD DOOR WITH SOUND GASKETS (LATCHING)



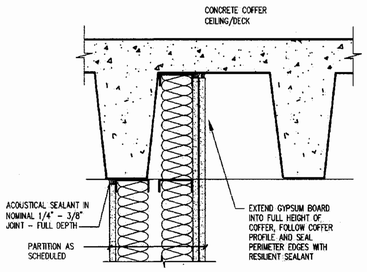
13 SECTION - BEAM THROUGH DRYWALL OR PLASTER



7 HOLLOW METAL DOOR OR WINDOW FRAME



1 RIGIDLY SUPPORTED PIPE, CONDUIT OR DUCT THROUGH DRYWALL OR PLASTER



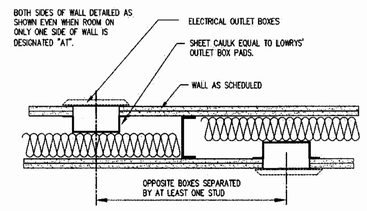
WALL TYPE K – STUDS FULL HEIGHT. SHEATHING EXTENDS TO STRUCTURE ON BOTH SIDES AS SHOWN.

WALL TYPE J – MODIFIED TYPE. AIRTIGHT DETAILING IN LIEU OF FIRE RATED. – STUDS FULL HEIGHT. SHEATHING EXTENDS TO STRUCTURE ON BOTH SIDES SIMILAR TO ABOVE.

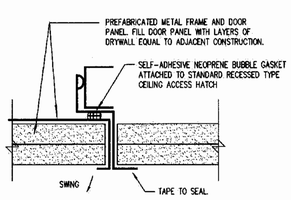
WALL TYPE C – WHERE USED BACK TO BACK AS DOUBLE STUD WALL. STUDS FULL HEIGHT. SHEATHING EXTENDS TO STRUCTURE ON BOTH SIDES AS SHOWN.

WALL TYPES B AND D – STUDS FULL HEIGHT. SHEATHING EXTENDS TO STRUCTURE ON ONE SIDE.

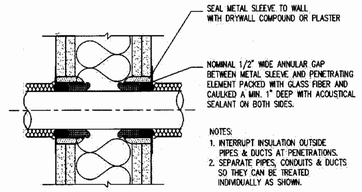
20 WALL HEAD AT CONCRETE COFFER



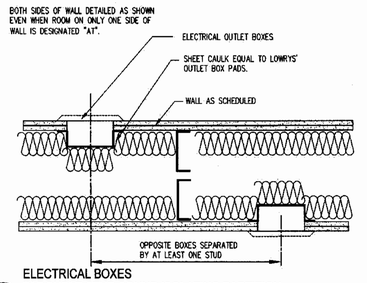
14 ELECTRICAL BOXES IN SINGLE STUD SOUND ISOLATING PARTITION



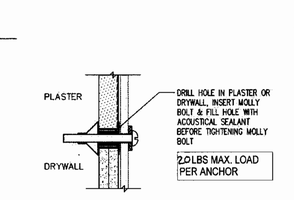
8 ACCESS PANEL IN DRYWALL



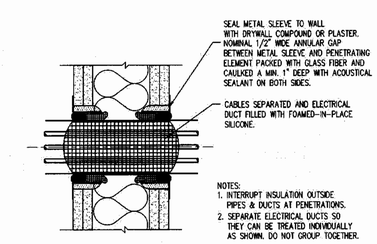
2 ALL RESILIENTLY SUPPORTED PIPES, DUCTS AND CONDUITS THROUGH DRYWALL OR PLASTER



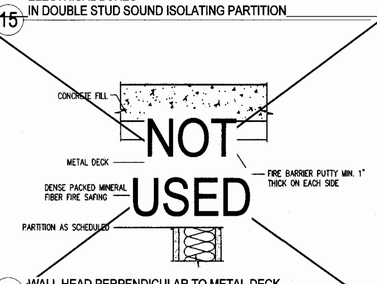
15 ELECTRICAL BOXES IN DOUBLE STUD SOUND ISOLATING PARTITION



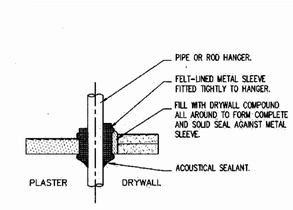
9 MOLLY BOLT THRU DRYWALL OR PLASTER TO SUPPORT SURFACE-MOUNTED ELEMENT



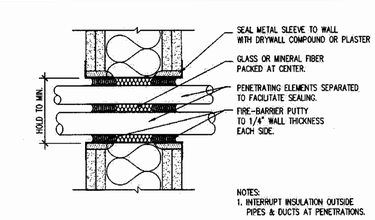
3 ELECTRICAL DUCT THRU DRYWALL OR PLASTER



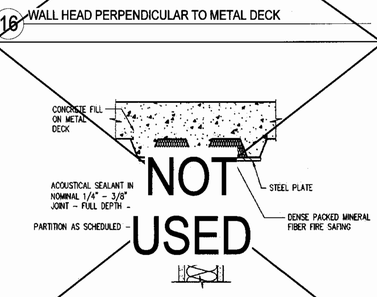
16 WALL HEAD PERPENDICULAR TO METAL DECK



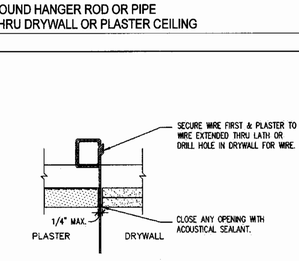
10 ROUND HANGER ROD OR PIPE THRU DRYWALL OR PLASTER CEILING



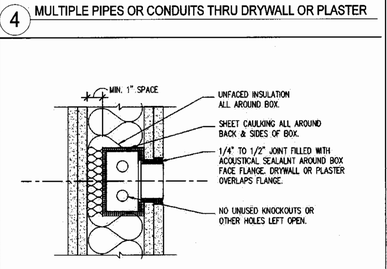
4 MULTIPLE PIPES OR CONDUITS THRU DRYWALL OR PLASTER



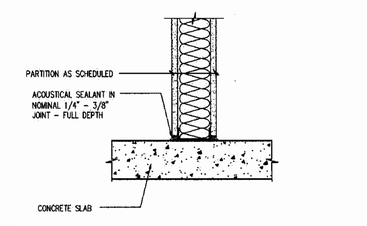
17 WALL HEAD PARALLEL TO METAL DECK



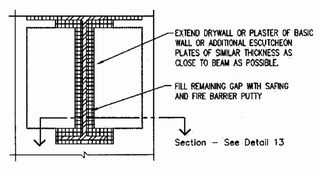
11 HANGER WIRE THRU DRYWALL OR FRAMED PLASTER CEILING



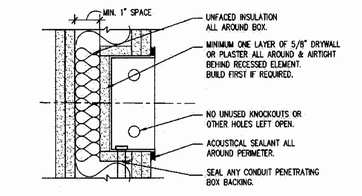
5 ELECTRICAL BOX UP TO 4" x 8" IN DRYWALL OR PLASTER



18 WALL FOOT



12 ELEVATION - BEAM THROUGH DRYWALL OR PLASTER



6 ELECTRICAL BOX OVER 4" X 8" CABINET, FIXTURE, ACCESSORY IN DRYWALL OR PLASTER

- ACOUSTICAL INSULATION AND SEALANTS DETAILING FOR SOUND ISOLATION

3" = 1'-0"

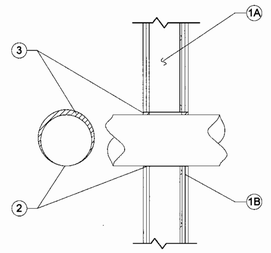
NOTES:

1) CERTAIN COMPLETE ROOMS AND INDIVIDUAL SEPARATING CONSTRUCTIONS (WALLS, FLOORS, ETC.) HAVE BEEN DESIGNATED AIRTIGHT (AT) ON THE DRAWINGS. THIS HAS BEEN DONE WHERE SOUND ISOLATION IS IMPORTANT. CONSTRUCTION JOINTS, STRUCTURAL PENETRATIONS, MECHANICAL AND ELECTRICAL DUCT PENETRATIONS, PIPE AND CONDUIT PENETRATIONS, ELECTRICAL BOXES AND FIXTURES, CABINETS, DOORS, ACCESS PANELS, WINDOWS, FRAMES, SUPPORTS, ETC. ALL SHALL BE BUILT AND INSTALLED IN SUCH MANNER AS TO PREVENT SOUND TRANSMISSION. PROVIDE GROUTING, GASKETS, PACKING, CAULKING, DENSE PUTTIES, TAPING, FILLING, ETC. AS REQUIRED TO STOP SOUND TRANSMISSION.

2) WHERE A ROOM OR CONSTRUCTION IS DESIGNATED AIRTIGHT, ALL TYPICAL DETAILS FOR AIRTIGHTNESS THAT ARE APPROPRIATE TO THE ROOM OR CONSTRUCTION SHALL BE EMPLOYED, AS WELL AS ANY SPECIAL DETAILS AS MAY BE REQUIRED.

3) THE FOLLOWING ROOMS OR DEMISING CONSTRUCTIONS ARE DESIGNATED AIRTIGHT: WALL TYPES B, C, D, J AND K.

4) ANY REQUIRED FIRE RESISTIVE ASSEMBLIES SHALL TAKE PRECENDENCE OVER SOUND/AIR TIGHT REQUIREMENTS.



1. WALL ASSEMBLY - THE 1 OR 2 HOUR RATED WALLBOARD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES.

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OF STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF 2X4 LUMBER SPACED 16" O.C.. STEEL STUDS TO BE MINIMUM 2 1/2" WIDE AND SPACED 24" O.C..

B. GYPSUM BOARD* - FOR ASSEMBLY, ONE LAYER OF MIN. 5/8" THICK WALLBOARD AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. FOR 2 HR. ASSEMBLY, TWO LAYERS OF MIN. 5/8" THICK WALLBOARD AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX. DIA. OF OPENING IS 14 1/2" FOR WOOD STUD WALLS AND 21 3/4" FOR STEEL STUD WALLS.

THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. THROUGH PENETRANT - GALV. STEEL DUCT TO BE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN THE DUCT AND PERIPHERY OF OPENING SHALL BE 0" (POINT CONTACT) AND MAX. 1 1/2" DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.

A. SPIRAL WOUND HVAC DUCT - NOMINAL 20" DUCT DIA, (OR SMALLER) NO 24 MSG (OR HEAVIER GALV. STEEL SPIRAL WOUND DUCT.

B. SHEET METAL DUCT - NOM. 12" DIA. (OR SMALLER) NO 28 MSG (OR HEAVIER) GALV. SHEET STEEL DUCT.

3. FILL, VOID OR CAVITY MATERIAL* - SEALANT - MIN 5/8" AND 1 1/2" THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL ASSEMBLY FOR 1 OR 2 HOUR RATED WALLS, RESPECTIVELY. AT THE POINT CONTACT LOCATION BETWEEN DUCT AND WALLBOARD, A MINIMUM 1/2" DIA. BEAD OF SEALANT SHALL BE APPLIED AT THE WALLBOARD/DUCT INTERFACE ON BOTH SURFACES OF WALL ASSEMBLY.

* 3M PRODUCT CP25WB BEARING THE UL CLASSIFICATION MARK.

26 PIPE THRU 1 & 2 HR. FIRE-RATED WALL

1" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ~~AC~~ FLS ZH SS ~~SS~~
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN WHITTLE C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

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AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: MJQ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

SOUND WALL ISOLATING & INTERIOR DETAILS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A5.07

___ OF ___

METAL SUSPENSION SYSTEMS FOR LAY-IN PANEL CEILING: 2013 CBC (Basis Document IR 25-2.13 rev 11-09-17):

1. GENERAL REQUIREMENTS: Ceiling system components shall comply with ASTM C635, C636 and E580 Section 5, with modifications.
Note: Amendments in CBC Section 1616A.1.20 (1616.10.16*) replace and append ASCE 7, Section 13.5.6.

These requirements apply to flat and level ceiling systems whose total weight, including ceiling mounted air terminals, services and light fixtures, does not exceed four (4) psf. Heavier systems, systems that are not flat and level, those supporting lateral loads from partitions, and free floating ceilings supported by chains or cables will require special design and details.

2. CEILING DESIGN & INSTALLATION REQUIREMENTS:

2.1 Ceiling system Components:
a) Shall comply with ASTM C635 and Section 5.1 of ASTM E580.

b) The ceiling grid system must be rated heavy duty as defined by ASTM C635.

c) Main runners, cross runners, splices, expansion devices and intersection connectors shall be designed to carry a mean ultimate test load of not less than 180 lbs. in compression and tension per ASTM E580 Section 5.1.2.

d) Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641. Wire shall be #12 gauge (0.106" diameter) with soft temper and minimum tensile strength = 70 ksi. The maximum allowable (ASD) teension load for wire meeting this specification is 350 lbs.
- Four (4) turns of the wire within 1.5" will develop the wire allowable load.
- Three (3) turns of the wire within 3" is assumed to develop no more than 50 percent of the wire allowable load.

2.2 Suspension System Installation:
a) Shall comply with ASTM C636 and Section 5.2 of ASTM E580.

b) #12 gauge hangar wires may be used for up to and including a 4 foot by 4 foot grid spacing and shall be attached to main runners. Splices in hanger wires shall develop 50 percent of the wire allowable load.

c) Provide #12 gauge hanger wires at the ends of all main and cross runners within eight (8) inches of the support or within one-fourth (1/4) of the length of the end tee, whichever is least, for the perimeter of the ceiling area. Perimeter wires are not required when the length of the end tee is eight (8) inches or less.

d) Ceiling grid members shall be attached to two (2) adjacent walls per ASTM E580, Section 5.2.3. Ceiling grid members shall be at least 3/4 inch clear of other walls. If walls run diagonally to ceiling grid system runners, one end of main and cross runners should be free, and a minimum of 3/4 inch clear of wall.

e) The width of the perimeter supporting closure angle shall be not less than two (2) inches. Use of angles with smaller widths in conjunction with proprietary perimeter clips may be acceptable in accordance with Section 5 of this document.

f) At the perimeter of the ceiling area, where main or cross runners are not connected to the adjacent wall, provide interconnection between the runners at the free end to prevent lateral spreading. A metal stabilizer or a #16 gauge wire with a positive mechanical connection to the runner may be used and placed within eight (8) inches of the wall. Where the perpendicular distance from the wall to the first parallel runner is eight (8) inches or less, the stabilizer or #16 gauge wire is not required.

2.3 Lateral Force Bracing Assembly Installation:
a) Lateral force bracing assemblies consisting of a compression strut and four (4) #12 gauge splayed bracing wires oriented 90 degrees from each other are required for all ceiling areas.
Exception: Lateral force bracing may be omitted for suspended acoustical ceiling systems with a ceiling area not to exceed 144 square feet, for all values of Sps, when perimeter support is provided in accodance with Section 2.2 of this document and perimeter walls are designed to carry the ceiling lateral forces.

b) Lateral force bracing assemblies shall be spaced per Table 1 for all values of the component importance factor (Ip) of the ceiling.

c) There shall be a brace assembly a distance of not more than one-half (1/2) of the above spacing from each surrounding wall, expansion joint and at the edges of any shall be 4 feet in the direction of the 8 foot spacing and 6 feet in the direction of the 12 foot spacing.

d) The slope of bracing wires shall not exceed 45 degrees from the horizontal plane and wires shall be taut. Splices in bracing wires shall develop the wire allowable load.

e) Compression struts shall meet the following requirements:
- The strut shall be sized to adequately resist the vertical component force induced by the ceiling bracing wires and have a maximum kl/r not to exceed 300. The struts listed in Appendix A meet this requirement for ceilings complying with the general requirements of this document.
- The strut shall be not more than one (horizontal) in six (vertical) out of plumb.

TABLE 1
LATERAL FORCE BRACE ASSEMBLY SPACING

Design Spectral Acceleration Parameter, S_{DS}	Brace Assembly Spacing (ft.)	
	z/h ≤ 0.5[a]	z/h > 0.5[a,b]
$S_{DS} \leq 1.15$	12 x 12	12 x 12
$1.15 < S_{DS} \leq 1.73$	12 x 12	8 x 12
$S_{DS} > 1.73$	8 x 12	8 x 8

FOR 2ND FLOOR & MEZZ CLGS ONLY

FOR 1ST FLOOR CLG ONLY

Footnotes:
a. Where, as defined in ASCE 7, Section 13.3.1:
z = height in structure of point of attachment of ceiling with respect to the base.
h = average foor height of the structure with respect to the base.
b. It shall be permitted to use the brace assembly spacing for z/h > 0.5" for the full building height.

2.4 Attachment of Hanger and Bracing Wires:
a) Fasten hanger wires with not less than three (3) tight turns in three (3) inches. Hanger wire loops shall be tightly wrapped and sharply bent to prevent any vertical movement or rotation of the member within the loops (see ASTM E580, Section 5.2.7.2).

b) Fasten bracing wires with not less than four (4) tight turns in one and one-half (1-1/2) inches.

c) Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire (e.g. bracing wuire clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.).

d) Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduit, etc.

e) Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to: piping, ductwork, conduit and equipment. Provide trapeze or other supplementary support members at obstructions to allow typical hanger spacing. Brace assemblies must be configured and/or located in order to avoid obstructions in addition to maintaining the required brace assembly spacing.

f) Provide additional hangers, struts and brace assemblies as required at all ceiling breaks, soffits or discontinuous areas.

g) Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.
Note: See ASTM C636, Figure 1, for counter-sloping methods.

h) Attachment of the bracing wires to the structure above and to the main runners shall be adequate for the load imposed. The weight (Wp) shall be taken as not less than four (4) psf for calculating seismic forces (Fp).

i) Post-installed anchors (e.g. expansion anchors, screw anchors and power actuated fasteners) shall have a current Evaluation Report acceptable to DSA in accordance with DSA IR A-5.

j) Power actuated fasteners in concrete are not permitted for bracing wires.

k) DSA approval of a construction plan is required prior to installing post-installed anchors in prestressed concrete. The construction plan shall demonstrate how the location of existing prestressing tendons and strands will be located and denoted as necessary to avoid interference.

2.5 Expansion Joints, Seismic Separation Joints:
a) Expansion joints shall be provided in the ceiling at intersections of corridors and at junctions of corridors and lobbies or other similar spaces.

b) For ceiling areas exceeding 2,500 square feet, a seismic separation joint shall be provided to divide the ceiling into areas not exceeding 2,500 square feet in accordance with ASTM E580, Section 5.2.9.

2.6 Ceiling Fixtures, Terminals and Devices:
a) All fixtures, terminals and other devices shall be mounted in a manner that will not compromise ceiling performance in accordance with Section 13.5.6.2.2 Item 5 of ASCE 7 as amended by CBC Section 1616A.1.20 (1616.10.16*) and ASTM E580 Sections 5.3 and 5.4.

b) Ceiling panels shall not support any light fixtures, air terminals or devices.

c) Penetrations through the ceiling for sprinkler heads and other similar devices that are not integrally tied to the ceiling system in the lateral direction shall have two (2) inch oversized ring, sleeve or adapter through the ceiling tile to allow free movement of one (1) inch in all horizontal directions. Alternatively, per ASTM E580, Section 5.2.8.5, a flexible sprinkler hose fitting that can accommodate one (1) inch of ceiling movement shall be permitted to be used in lieu of the oversized ring, sleeve or adapter.

d) Slack safety wires shall be considered hanger wires for installation and testing requirements.

2.6.1 Light Fixtures:
a) All light fixtures** shall be positively attached to the ceiling suspension systems by mechanical means per California Electrical Code (CEC) Article 410.36 to resist a horizontal force equal to weight of the fixture. A minimum of two screws or approved fasteners are required at each light fixture, per ASTM E580, Section 5.3.1.

** See Section 3.1 of this document for pendant-mounted light fixture support and bracing requirements.

b) Surface-mounted light fixtures shall be attached to the main runner with at least two positive clamping devices on each fixture. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gage. Rotational spring catches do not comply. A #12 gauge slack safety wire shall be connected from each clamping device to the structure above . Provide additional supports when light fixtures are eight (8) feet or longer or exceed 56 lbs. Maximum spacing between supports shall not exceed eight (8) feet.

c) Light fixtures weighting less than or equal to 10 lbs. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.

d) Light fixtures weighting greater than 10 lb. but less than or equal to 56lbs. may be supported directly on the ceiling runners, but they shall have a minimum of two (2) #12 gauge slack safety wires connected from the fixture housing at diagonal corners to the structure above.

Exception: All light fixtures greater then two by four feet weighing less than 56 lbs. shall have a #12 gage slack safety wire at each corner.

e) All light fixtures weighting greater than 56 lbs. shall be independently supported by not less than four (4) taut #12 gauge hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four (4) taut #12 gage wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four (4) times the weight of the fixture.

2.6.2 Services within the Ceiling:
a) All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the component. Screws or approved fasteners are required. A minimum of two attachments are required at each component.

b) Ceiling- mounted air terminals or other services weighing less than or equal to 20 lbs. shall have one (1) #12 gage slack safety wire attached from the terminal or service to the structure above.

c) Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 lbs. but less than or equal to 56 lbs. shall have two (2) #12 gage slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.

d) Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 lbs. shall be supported directly from the structure above by not less than four (4) taut #12 gauge hanger wires attached from the terminal or service to the structure above or other approved hangers. The four (4) taut #12 gauge hanger wires or other approved hangers, including their attachment to the structure above, must be capable of supporting four (4) times the weight of the unit.

2.6.3 Other Devices within the Ceiling:
a) All lightweight miscellaneous devices, suck as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid per Section 2.6.2 a) of this document. In addition, devices weighing more than 10 lbs. shall have a #12 gauge slack safety wire anchored to the structure above per Section 2.6.1 b) of this document. Devices weighing more than 20 lbs. shall be supported from the structure above using details provided by the registered design professional.

3. ADDITIONAL REQUIREMENTS:

3.1 Pendant-Mounted Light Fixtures:
a) Where pendant-mounted light fixtures are to be installed in areas with a suspended ceiling, the construction documents shall include complete support details complying with this document and DSA IR 16-9.

b) Support pendant-mounted light fixtures directly from the structure above with hanger wires or cables passing through each pendant hanger and capable of supporting two (2) times the weight of the fixture.

c) If a pendant-mounted light fixture is directly and independently braced below the ceiling (i.e., aircraft cables to walls), then a brace assembly is not required above the ceiling.

d) If a pendant-mounted light fixture is free to swing 45 degrees from the vertical in all directions, and is not directly and independently braced below the ceiling, then a bracing assembly is only required where the pendant hanger penetrates the ceiling. Special details are required to attach the pendant hanger to the bracing assembly to transmit the horizontal and vertical forces.

Exception: Where the weight of the fixture is less than 20 lbs., the vertical component of the brace force need not be considered so no compression strut/post is required.

e) Rigid conduit shall not be used for attachment of the fixtures.

3.2 Fire Rated Ceilings:
a) Provide a detail and tested assembly number for rated ceiling assemblies from an authorized testing agency. The components and installation details must conform in every respect with the listed detail and number. Details shall clearly depict all components, including insulation materials, framing and attachment of the design so that the assembly can be constructed and inspected accordingly.

b) Pop rivets, screws or other attachments are not acceptable unless specifically detailed in the listed construction detail(s), or an approved listing by a State Fire Marshal (SFM) recognized laboratory.

3.3 Acoustical Ceiling Tile Panel Installation:
For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide 3/4" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip.

3.4 Other Panel Types:
Panels weighing more than one-half (1/2) psf, other than mineral or glass fiber acoustical tile, and all metal and wood panels shall be positively attached to the ceiling suspension runners by mechanical means, such as bolts, scews or rivets, and each attachment shall have the allowable design strength to support 100 percent of the weight of the panel in any direction. A minimum of two attachments are required for each panel. For ceiling installations utilizing panels other than mineral of glass fiber, 3/4 inch clearance shall be provided between the ceiling panel and the wall on the sides of the ceiling area which are free to slip, unless otherwise justified by seismic qualification indicated below.

The use of other types of attachment, such as clips, snap-in devices, perforated lips, clamping devices or spring loaded devices or hooks, shall be listed per DSA IR A-5 and identified for use with the type of ceiling framing menbers and panels. The listing shall be seismically qualified in accordance with ASCE 7 Section 13.2.5 or 13.2.6.

An alternate means of compliance per California Administrative Code (CAC), Section 4-304 may be proposed and reviewed on a project-by-project basis when using unlisted means of attachment. The alternate means of attachment shall have the allowable design strength to support 100 percent of the weight of the panel in any direction and shall be capable of maintaining that strength if the ceiling grid is distorted or out of level.

It is also alternately permitted to provide a secondary means of connecting the panel to the grid or structure to retain the panel in case of panel dropout, ceiling grid distortion and ceiling grid becoming out-of-level. The secondary attachment shall have the allowable design strength to support two (2) times the weight of the panel acting in any direction, such as a slack wire or cable.

Special attachment details complying with one of the methods outlined above, such as scews or cables, shall be provided at the perimeter of the ceiling, where panels are cut or altered, or where non-standard panel sizes or edge conditions occur.

3.5 Exitways:
Exitways of essential services buildings shall be installed in accordance with Section 13.5.6.2.2 Item 1 of ASCE 7 as amended by CBC Section 1616A.1.20 (1616.10.16*). A main or cross runner shall be installed on all sides of each piece of tile, board or panel and each light fixture or grill. Splices or intersections of such runners shall be attached with through connectors such as pop rivets, screws, pins, plates with end tabs or other approved connectors.

3.6 Free Floating Ceilings:
Free floating ceilings (ceilings not attached to any walls) supported by wires in accordance with this IR shall be braced in accordance with this IR, regardless of the ceiling area, unless it can be demonstrated the anticipated ceiling movement will not cause failure of the ceiling components or failure of mechanical, electrical, plumbing and fire and life safety components/systems within the ceiling area and within the area of anticipated movement.

The perimeter of free floating ceilings shall be supported by a continuous runner which is spliced in accordance with ASTM E580 Section 5.1.2.

4. CEILING SYSTEM ALTERATION: The entire[1] ceiling in the affected space shall be upgraded to meet the current requirements of the CBC and this document if any portion of the grid system is cut or altered and the ceiling has no lateral bracing assemblies[2] (4-way splay wires and compression post) or has lateral bracing assemblies spaced more than 12 feet on-center.

Exception: If the ceiling has lateral bracing assemblies spaced no more than 12 feet on-center, a ceiling upgrade will only be required if the area cut or altered exceeds 10 percent of the entire ceiling area.

Notes:
1. The "entire" ceiling in the affected space is defined as the area of ceiling bounded by four walls or a combination of walls and expansion joints or seismic separation joints.
2. With DSA concurrence, other existing lateral bracing systems may be deemed equivalent to a 4-way splay wire and compression post lateral force bracing system.

4.1 Where the ceiling grid is not cut or altered, and the scope of work includes only the following:
- replacement of existing ceiling panels with like panels of equal or lesser weight
- replacement of light fixtures and/or terminals with like units (units of equal size and equal or lesser weight) placed in the same location

no upgrade to the ceiling grid, suspension system or lateral force brace assemblies is required.

Re-Use of Existing Ceiling Hanger Wires and Bracing Wires: Existing ceiling hanger and bracing wires may be reused provided they comply with the following:
a) The gauge and spacing of the wires must comply with the current applicable codes and this IR.
b) If a new wire is to be spliced to an existing wire, the architect or structural engineer in general responsible charge must submit to DSA for approval a detail and specification describing how the splice is to be made. Acceptable wire splice details are provided in Appendix A.
c) See Section 7 of this document for testing requirements for the re-use of existing hanger and bracing wire assemblies.

5. NOT USED

6. NOT USED

7. TESTING: All field testing must be performed in the presence of the project inspector or a special inspector.

7.1 New Installations:
Post- installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power actuated fasteners in concrete shall be field tested for 200 lbs. in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1913A.7.

Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1913A.7.

7.2 Re-Use of Existing Ceiling Hanger Wires and Bracing Wires:
a) All existing ceiling hanger wire/anchor assemblies must be field tested to 200 lbs.
b) All existing bracing wire/anchor assemblies must be field tested to 440 lbs.
c) Where a new wire is spliced to an existing wire, each spliced wire/anchor assembly must be field tested to the loads given for existing assemblies above.

CEILING NOTES (Basis Document IR 25-2.13 rev 11-09-17):

1. CEILING SYSTEM GENERAL NOTES:

1.01 Ceiling system components shall comply with ASTM C635-07 and section 5.1 of ASTM E580-10a.

1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635-08.

1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:

HEAVY DUTY NON-RATED GRID SYSTEM	ARMSTRONG PRELUDE PLUS XL	CHICAGO METALLIC 1200 SEISMIC SERIES HEAVY DUTY	USG DONN DXLA
MAIN RUNNER	HD8201	270	DXLA26
CROSS RUNNER (2x4 GRID)	XL8223	1252	DXLA216
CROSS RUNNER	XL8341	1254	DXLA424

1.04 Seismic wall Clip - NOT USED

1.05 Ceiling panels shall not support any light fixtures, air terminals or devices.

1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide 3/4" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide 3/4" clearance between the ceiling panel and the wall on the sides of the ceiling free slip.

2. MATERIALS:

2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641-09a. Wire shall be #12 gage (0.106" diameter) with soft temper and minimum tensile strength = 70 ksi.

2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653-11, or other equivalent sheet steel listed in section A2.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members 2007, including supplement 2 dated 2010 (AISI S100-07/S2-10).
Material 43 mil (18 gage) and lighter shall have minimum yield strength of 33 ksi.
Material 54 mil (16 gage) and heavier shall have minimum yield strength of 50 ksi.

2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (Fy) of 30 ksi and minimum ultimate strength (Fu) of 48 ksi.

3. ATTACHMENT OF HANGER AND BRACING WIRES:

3.01 Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduit, etc.

3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to: piping, ductwork, conduit and equipment.

3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.

3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.

3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire. (e.g. bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.)

4. FASTENERS AND WELDING:

4.01 Sheet metal screws shall comply with ASTM C1513-10, ASME B18.6.4-89 (R2005).
Penetration of screws through joined material shall not be less than three exposed threads.

4.02 Expansion anchors shall be: HILTI KB-T2 (ICC-1917)

4.03 Power-Actuated Fasteners shall be: HILTI X-U (ICC-2269)

4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.

4.05 Power-actuated fasteners in concrete are not permitted for bracing wires.

4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post - installed anchor.

4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. TESTING: All field testing must be performed in the presence of the project inspector.

5.01 Post- installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power actuated fasteners in concrete shall be field tested for 200 lbs. in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1913A.7.

5.02 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1913A.7.

6. LIGHT FIXTURES:

6.01 All light fixtures shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to weight of the fixture. A minimum of two screws or approved fasteners are required at each light fixture, per ASTM E580, Section 5.3.1.

6.02 Surface-mounted light fixtures shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gage. Rotational spring catches do not comply. A #12 gage slack safety wire shall be connected from each clamping device to the structure above . Provide additional supports when light fixtures are eight (8) feet or longer or exceed 56 lb. Maximum spacing between supports shall not exceed eight (8) feet.

6.03 Light fixtures weighting less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.

6.04 Light fixtures weighting less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.

6.05 Light fixtures weighting greater than 10 lb. but less than or equal to 56lbs. may be supported directly on the ceiling runners, but they shall have a minimum of two (2) #12 gage slack safety wires connected from the fixture housing at diagonal corners to the structure above.

Exception: All light fixtures greater then two by four feet weighing less than 56 lbs. shall have a #12 gage slack safety wire at each corner.

6.06 All light fixtures weighting greater than 56 lb. shall be independently supported by not less than four (4) taut #12 gage hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four (4) taut #12 gage wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four (4) times the weight of the fixture.

7. SERVICES WITHIN THE CEILING

7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.

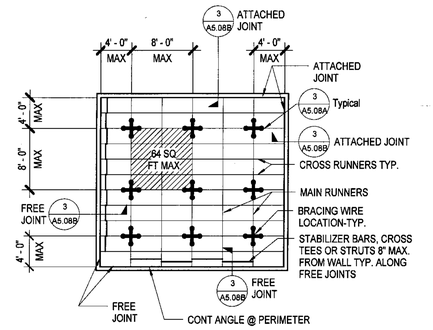
7.02 Ceiling- mounted air terminals or other services weighing less than or equal to 20 lb. shall have one (1) #12 gage slack safety wire attached from the terminal or service to the structure above.

7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 lb. but less than or equal to 56 lb. shall have two (2) #12 gage slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.

7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 lb. shall be supported directly from the structure above by not less than four (4) taut #12 gage hanger wires attached from the terminal or service to the structure above or other approved hangers.

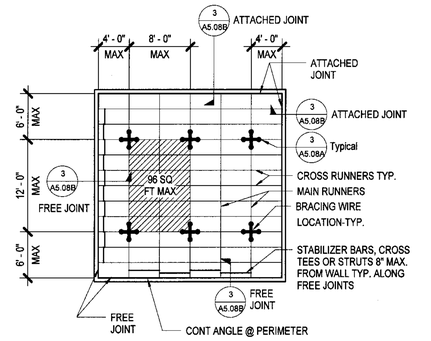
8. OTHER DEVICES WITHIN THE CEILING:

8.01 All lightweight miscellaneous devices, suck as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 lbs. shall have a #12 gage slack safety wire anchored to the structure above. Devices weighing more than 20 lb. shall be supported independently from the structure above.



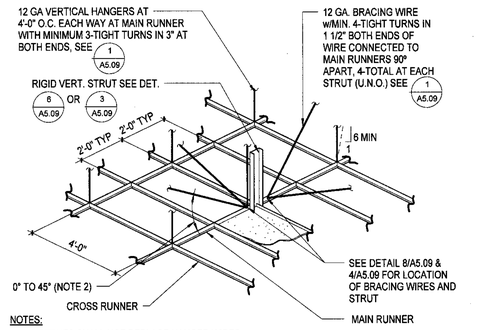
NOTE:
BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 64 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT.

1 TYPICAL CEILING PLAN FOR 8' X 8' BRACE ASSEMBLY SPACING
1/8" = 1'-0"
(AT SECOND FLOOR & MEZZANINE CEILINGS ONLY)



NOTE:
BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 96 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT.

2 TYPICAL CEILING PLAN FOR 8' X 12' BRACE ASSEMBLY SPACING
1/8" = 1'-0"
(AT FIRST FLOOR CEILING ONLY)



NOTES:
1. STRUTS SHALL NOT REPLACE HANGER WIRES.
2. THE MINIMUM ACCEPTABLE ANGLE IS DETERMINED SUCH THAT THE WIRES DO NOT INTERFERE WITH THE RUNNERS, LIGHT FIXTURES, ETC. AND REMAIN STRAIGHT AND UNOBSTRUCTED.

3 SUSPENDED CEILING BRACING ASSEMBLY
3" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM J. AMADOR No. C030348 REGISTERED EXPIRATION DATE JANUARY 31, 2019 STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

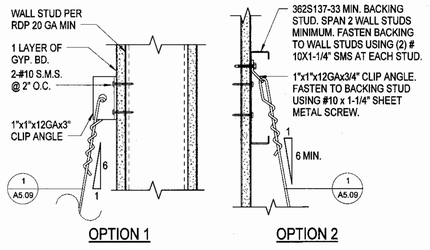
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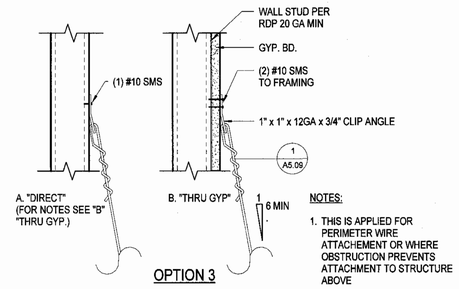
REVISIONS	DATE: 03/26/18
	DRAWN: RJF/VV
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

SUSPENDED ACOUSTIC CEILING DETAILS

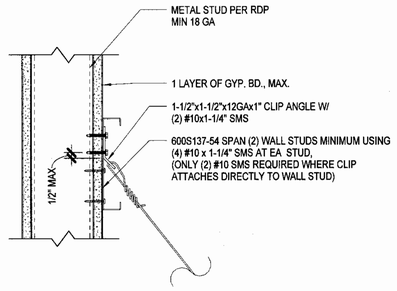
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IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

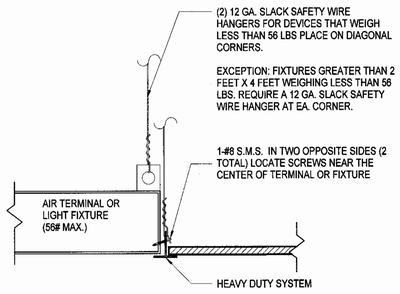




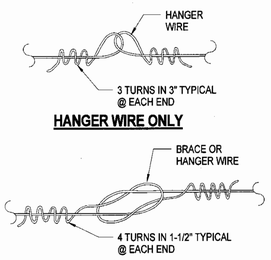
12 HANGER WIRE CON. TO METAL STUD WALL
3" = 1'-0"



13 BRACING WIRE CON. TO METAL STUD WALL
3" = 1'-0"



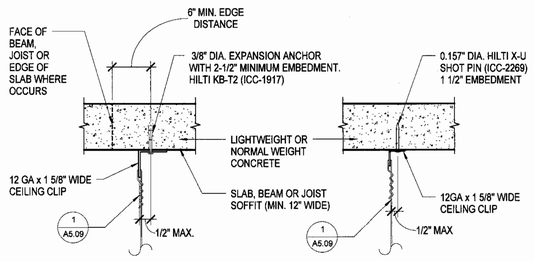
14 LIGHTING FIXTURE/DEVICE SUPPORT
3" = 1'-0"



NOTES:

WIRE SPLICES ARE SHOWN LOOSELY TIED FOR ILLUSTRATIVE PURPOSES ONLY AND SHALL BE DRAWN TIGHT TO COMPLETE INSTALLATION WHEN CONSTRUCTED.

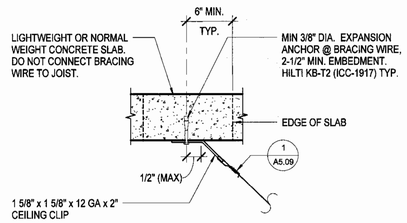
15 CEILING WIRE SPLICES
3" = 1'-0"



NOTES:

1. REFER TO 1/A5.09 FOR ADDITIONAL DETAILS.
2. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CEILING NOTE 5.01.

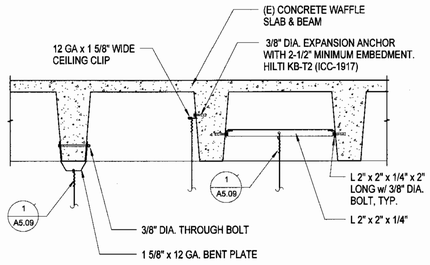
8 HANGER WIRE CONNECTION TO CONCRETE SLAB, BEAM OR JOIST
1 1/2" = 1'-0"



NOTES:

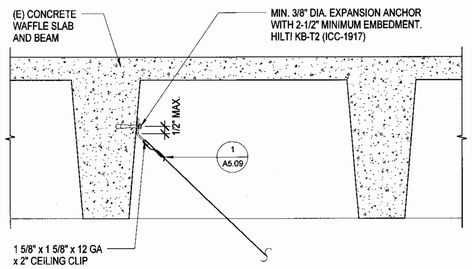
1. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CEILING NOTE 5.02.
2. REFER TO 1/A5.09 FOR ADDITIONAL DETAILS.

9 BRACING WIRE CONNECTION TO CONCRETE SLAB, BEAM OR JOIST
1 1/2" = 1'-0"



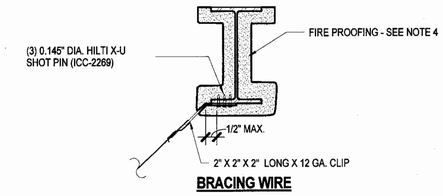
NOTES:
1. SEE STRUCTURAL DETAIL 4/S0.20 FOR INFORMATION NOT SHOWN HERE.
2. REFER TO 1/A5.09 FOR ADDITIONAL DETAILS.
3. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CEILING NOTE 5.01.

10 HANGER WIRE CONNECTION TO WAFFLE SLAB
3/4" = 1'-0"



NOTES:
1. SEE STRUCTURAL DETAIL 4/S0.20 FOR INFORMATION NOT SHOWN HERE.
2. REFER TO 1/A5.09 FOR ADDITIONAL DETAILS.
3. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CEILING NOTE 5.02.

11 BRACING WIRE CONNECTION TO WAFFLE SLAB
1 1/2" = 1'-0"

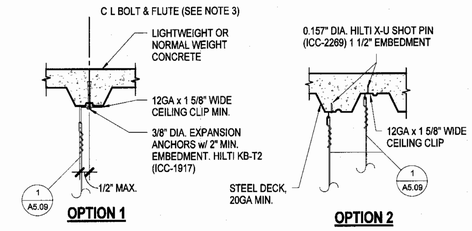


BRACING WIRE

NOTES:

1. BEAM FLANGE THICKNESS SHALL NOT BE LESS THAN 3/16".
2. RDP IN RESPONSIBLE CHARGE, IOR, AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER. SEE ANSI/AISC 341-10
3. REFER TO 1/A5.09 FOR ADDITIONAL DETAILS
4. REMOVE (E) FIREPROOFING AS REQ'D. FOR NEW CONNECTION, APPLY (N) MONOKOTE MK-6 HY FIREPROOFING (UL# ER4339-02) TO MEET OR EXCEED PREVIOUSLY APPLIED THICKNESS

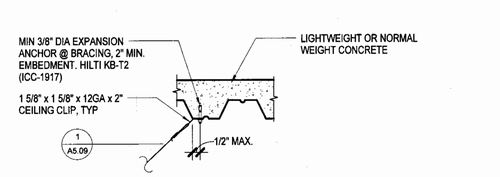
4 BRACING WIRE CONN. TO STRUCT. STEEL
1 1/2" = 1'-0"



NOTES:

1. REFER TO 1/A5.09 FOR ADDITIONAL DETAILS.
2. POST INSTALLED ANCHORS TO BE PLACED NO MORE THAN 1" OFFSET FROM CENTERLINE OF DECK LOW FLUTE.
3. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CEILING NOTE 5.01.

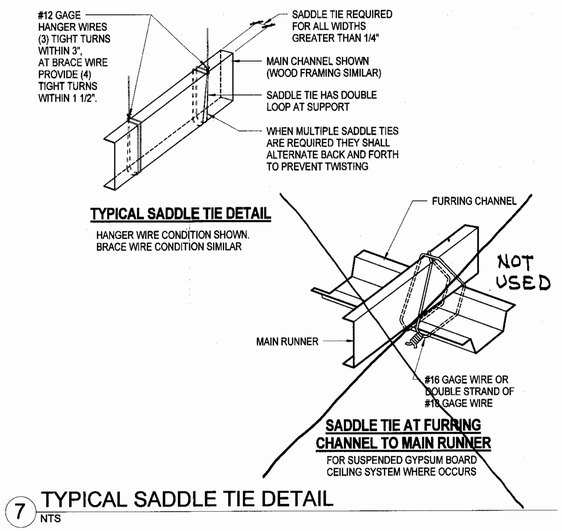
5 HANGER WIRE CONN. TO CONC. O/ MET. DECK
1 : 10



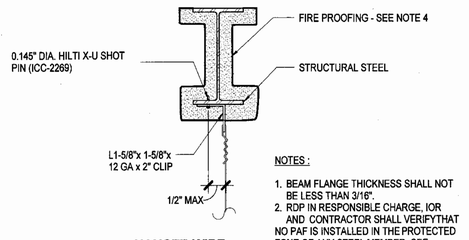
NOTES:

1. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CEILING NOTE 5.02
2. REFER TO 1/A5.09 FOR ADDITIONAL DETAILS
3. POST INSTALLED ANCHORS TO BE PLACED NO MORE THAN 1" OFFSET FROM CENTERLINE OF DECK LOW FLUTE.

6 BRACING WIRE CONN. TO CONC. O/ MET. DECK
1 : 10



7 TYPICAL SADDLE TIE DETAIL
NTS

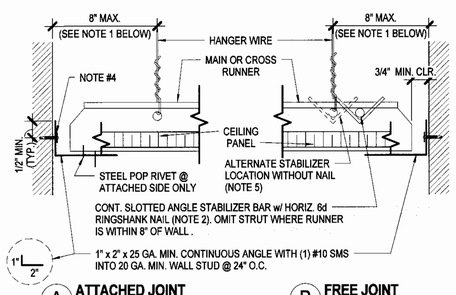


HANGER WIRE

NOTES :

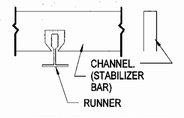
1. BEAM FLANGE THICKNESS SHALL NOT BE LESS THAN 3/16".
2. RDP IN RESPONSIBLE CHARGE, IOR AND CONTRACTOR SHALL VERIFYTHAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER. SEE ANSI/AISC 341-10
3. REFER TO 1/A5.09 FOR ADDITIONAL DETAILS
4. REMOVE (E) FIREPROOFING AS REQ'D. FOR NEW CONNECTION, APPLY (N) MONOKOTE MK-6 HY FIREPROOFING (UL# ER4339-02) TO MEET OR EXCEED PREVIOUSLY APPLIED THICKNESS

1 HANGER WIRE CONN. TO STRUCT. STEEL
1 1/2" = 1'-0"



NOTES:

1. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.
2. NAILS AT ENDS OF HORIZONTAL STABILIZERS ARE TO BE PLACED WITH NAIL HEAD TOWARD CENTER LINE OF SPAN OF STRUT.
3. STABILIZER BAR MAY BE SLOTTED APPROVED ANGLES OR CHANNELS WITH "DIAMOND POINTS" OF SPRING STEEL WHICH SNAP TIGHT TO PREVENT MOVEMENT OF STRUT.
4. (1) #10 SMS TO 20 GA. MIN. WALL STUD @ 24" O.C.



APPROVED STABILIZER
(SEE NOTE 3)

3 CEILING PERIMETER
3" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JACK WHITTLE C-18545 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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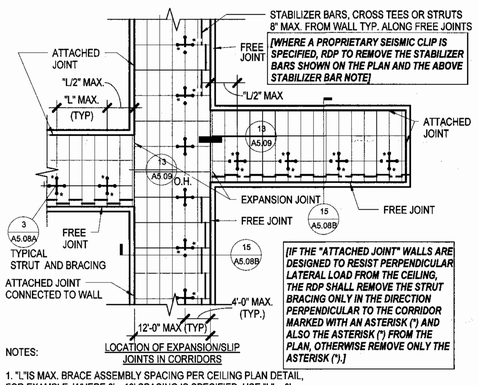
REVISIONS	DATE: 03/26/18
	DRAWN: RJF/VV
	CHECK: RJF/ WJA
	JOB NO: 16-MPC-023

SUSPENDED ACOUSTIC CEILING DETAILS

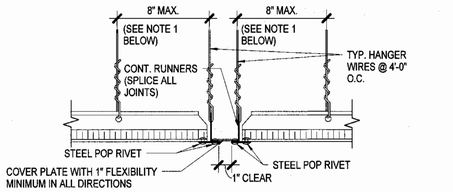
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IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

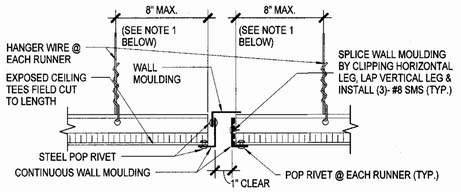
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12 EXP/SLIP JNTS IN CORR. SUSP. AC. CLGS
3" = 1'-0"



EXPANSION JOINT

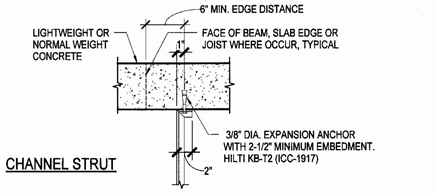


EXPANSION JOINT ALTERNATE

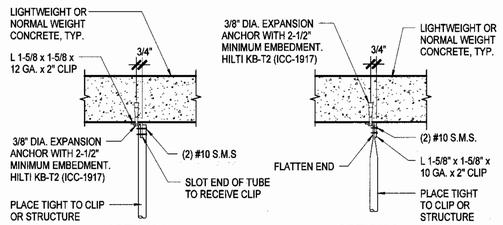
EXPANSION JOINTS AT THE INTERSECTION OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS AND LOBBIES OR OTHER SIMILAR AREAS

NOTES:
1. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE. WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.

13 EXPANSION JOINT AT INTERSECTION
3" = 1'-0"



CHANNEL STRUT

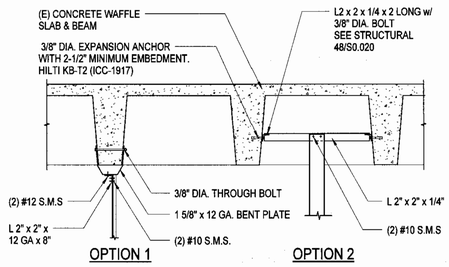


OPTION 1 OPTION 2

NOTES:
1. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CEILING NOTE 5.01

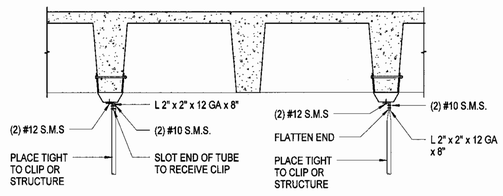
TUBE STRUT

8 STRUT CONNECTION TO CONCRETE SLAB
1 1/2" = 1'-0"



OPTION 1 OPTION 2

CHANNEL STRUT

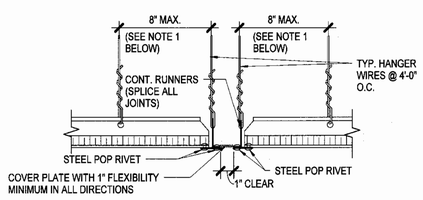


OPTION 1 OPTION 2

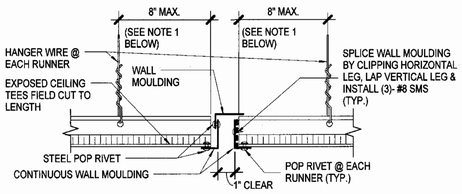
TUBE STRUT

NOTES:
1. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CEILING NOTE 5.01.
2. SEE STRUCTURAL DETAIL 48/S0.20 FOR INFORMATION NOT SHOWN HERE.

10 STRUT TOP CONNECTION TO WAFFLE SLAB
3/4" = 1'-0"



SEISMIC SEPARATION JOINT

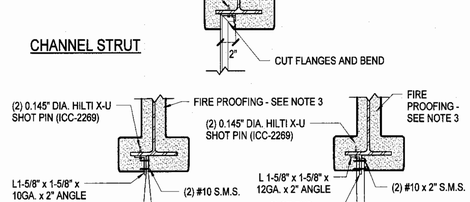


ALTERNATE SEISMIC SEPARATION JOINT

SEISMIC SEPARATION JOINT AT CONTINUOUS CEILING AREAS EXCEEDING 2500 SQ. FT.
SEE CEILING PLANS FOR LOCATION

NOTES:
1. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE. WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.

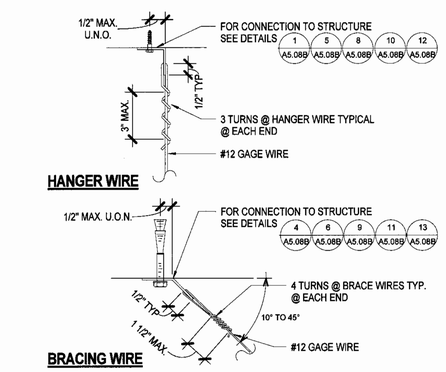
11 SEISMIC SEPARATION JOINT
3" = 1'-0"



OPTION 1 OPTION 2

NOTES:
1. STRUCTURAL STEEL MEMBER SHALL NOT BE LESS THAN 3/16".
2. RDP IN RESPONSIBLE CHARGE, I.O.R. AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.
3. REMOVE (E) FIREPROOFING AS REQ'D. FOR NEW CONNECTION, APPLY (N) MONOKOTE MK-6 HY FIREPROOFING (UL# ER4339-02) TO MEET OR EXCEED PREVIOUSLY APPLIED THICKNESS

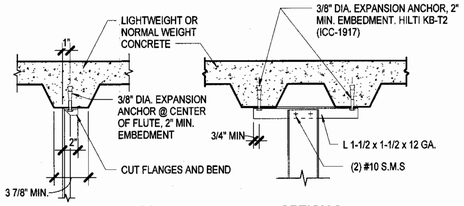
4 STRUT CONNECTION TO STRUCTURAL STEEL
1 1/2" = 1'-0"



1 TYPICAL WIRE TURNS
3" = 1'-0"

TABLE 5A

CHANNEL COMPRESSION STRUT	MAX. LENGTH
250S125-33	5'-0"
250S137-33	6'-10"
362S137-33	8'-0"
250137-43	8'-10"
400S137-43	10'-10"

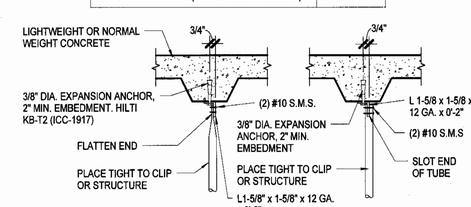


OPTION 1 OPTION 2

CHANNEL STRUT
SEE TABLE 5A

TABLE 2A

EMT COMPRESSION STRUT	MAX. LENGTH
1/2" DIAMETER EMT (0.042" WALL THICKNESS)	5'-10"
3/4" DIAMETER EMT (0.049" WALL THICKNESS)	7'-8"
1" DIAMETER EMT (0.057" WALL THICKNESS)	9'-9"
1 1/4" DIAMETER EMT (0.065" WALL THICKNESS)	12'-9"
1 1/2" DIAMETER EMT (0.065" WALL THICKNESS)	14'-9"
2" DIAMETER EMT (0.065" WALL THICKNESS)	16'-10"

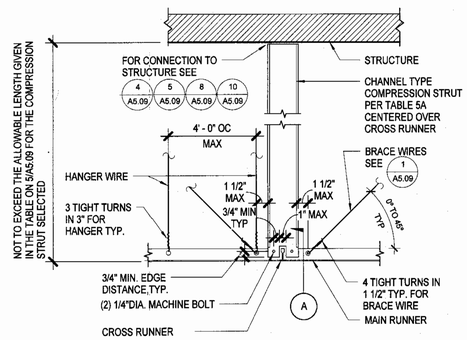


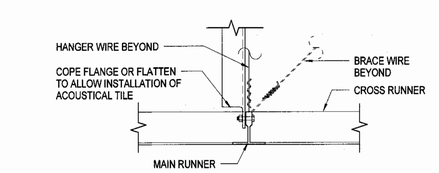
OPTION 1 OPTION 2

TUBE STRUT
SEE TABLE 2A

NOTES:
1. POST INSTALLED ANCHORS TO BE PLACED NO MORE THAN 1" OFFSET FROM CENTERLINE OF DECK LOW FLUTE
2. TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CEILING NOTE 5.01

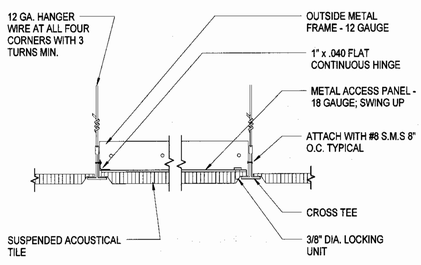
5 CHANNEL STRUT - TOP CONNECTION TO CONCRETE OVER METAL DECK
1 1/2" = 1'-0"





A SECTION

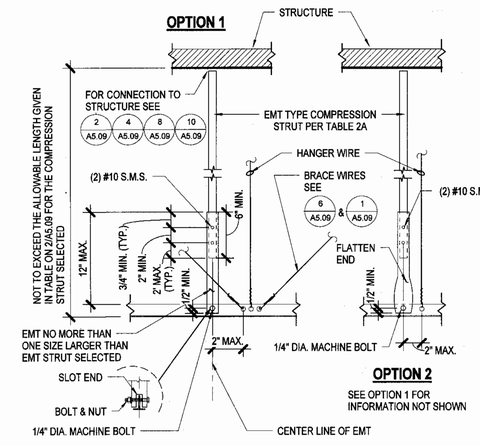
6 CHANNEL TYPE STRUT
3" = 1'-0"



NOTES:
CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SIZE, LOCATION AND TYPE OF ACCESS PANELS WITH LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT CONCEALED ABOVE.

7 ACCESS DOOR
3" = 1'-0"

2 TUBE STRUT - TOP CONNECTION TO CONCRETE OVER METAL DECK
3" = 1'-0"



3 TUBE TYPE STRUT
1 1/2" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC FLS ZH SS
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JAMES WHITTLE C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: RJF/WJA
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

SUSPENDED ACOUSTIC CEILING DETAILS

A5.09

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

___ OF ___

GYPSUM BOARD CEILING SUSPENSION NOTES (IR 25-3.13 rev 04-08-14):

1. **MATERIALS:** Materials are to comply with CBC Section 2508 and applicable ASTM standards. Gypsum wallboard is either 1/2 inch or 5/8 inch in thickness. Cold-formed steel sections specified in this IR are identified by a product designator which has been standardized by the American Iron and Steel Institute (AISI) in collaboration with the Steel Stud Manufacturers Association (SSMA).

2. **DESIGN:** The prescriptive requirements of this IR shall be taken as the minimum requirements and apply to a ceiling that is not accessible, has a single layer of gypsum board not exceeding 5/8" thick, and has a total ceiling weight not to exceed 4 pounds per square foot (psf). A ceiling that is required by CCR Title 24 to be accessible, or otherwise does not meet these limitations, shall be designed to meet the applicable requirements of CBC Sections 1607A and 2508.1, and ASCE 7-10, Section 13.3.1.

3. **DETAILS OF CONSTRUCTION:**

3.1 **General:** Gypsum wallboard ceilings shall not support building components other than air conditioning/heating grills or light fixtures. All such components shall be supported either directly from main runners, or by supplemental framing which is supported by main runners. No vertical loads other than gypsum board dead load shall be applied to cross-furring.

3.2 **Vertical Support System:** There are many possible variations of main runner sizes, spacings and spans listed in ASTM C754-04, Table 7. All of the combinations are acceptable, provided the main runner spacing does not exceeded 4'-0" and the ceiling area supported by a hanger wire does not exceed 16 square feet.

3.2.1 **Main Runner Spacing and Span:** The main runner most frequently used is a 1-1/2 inch cold rolled channel designated 150U050-54 (1-1/2 inch cold rolled channels weighing 0.414 lbs/ft) spaced no more than 4'-0" o.c. with a hanger wire spacing not to exceed 4'-0" o.c. and no more than 6" from each end of the main runner.

3.2.2 **Vertical Hanger Wires:** Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641. Wire shall be #9 gage (0.148" diameter) with soft temper and minimum tensile strength = 70 ksi.

3.2.3 **Cross-furring:** 7/8 inch galvanized steel hat sections, designated 087F125-18, at 24 inches o.c. maximum.

3.3 **Connecting Hanger Wires, Steel Framing and Furring:**

3.3.1 Hanger wires shall be saddle-tied to the main runners per 7/A5.08B.

3.3.2 Cross furring should be saddle-tied to the main runners with at least one strand of #16 gage, or two strands of #18 gage tie wire.

3.3.3 Main runners shall be spliced by lapping and interlocking flanges and installing two (2) #8 screws at each end of splice. The lap must be a minimum of 12 inches long.

3.3.4 Cross furring should be spliced by lapping and interlocking the pieces and installing two (2) #9 screws at each end of splice. The lap must be a minimum of eight (8) inches long.

3.4 **Installation and Anchorage of Hanger and Bracing Wires:** Fasten hanger wires with not less than three (3) tight turns within a distance of three inches. Hanger wire loops shall be tightly wrapped and sharply bent to prevent any vertical movement or rotation of the member within the loops (see ASTM E580, Section 5.2.7.2). Fasten bracing wires with four (4) tight turns within a distance of one and one-half (1-1/2) inches. Hanger and bracing wire anchors shall be installed in such a manner that the direction of the anchor aligns as closely as possible with the direction of the wire.

3.4.1 Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduit, etc.

3.4.2 When drilled-in concrete anchors or power actuated fasteners are used in reinforced concrete for hanger wires, 1 out of 10 must be field tested for 200 lbs. in tension. When drilled-in concrete anchors are used for bracing wires, 1 out of 2 must be field tested for 440 lbs in tension. Power actuated fasteners in concrete are not permitted for bracing wires. If any power actuated fasterner or drilled-in anchor fails, see 2013 CBC Section 1913A.7.1 or 1913.2.11.1*.

Note: Drilled-in anchors or power actuated fasteners embedment depth shall be limited in prestressed concrete to not impinge tensioned reinforcement or special procedures shall be developed to locate and clear tensioned reinforcement.

3.4.3 Provide trapeze or other supplementary support members at obstructions to typical hanger spacing. Provide additional hangers, struts or braces as required at all ceiling breaks, soffits or discontinuous areas. Hanger wires that are more than 1 in 6 out of plumb are to have counter-sloping wires.

4. **CEILING FIXTURES, TERMINALS, AND DEVICES:**

4.1 All recessed or drop-in light fixtures, as well as ceiling mounted mechanical air terminals and services, shall be supported directly by main runners or by supplemental framing which is supported by main runners and positively attached with screws or other approved connectors to resist a horizontal force equal to the weight of the component. A minimum of two attachments are required at each fixture and component.

4.2 Surface mounted fixtures shall be attached to a main runner with a positive clamping device made of material with a minimum of 14 gage. Rotational spring clamps do not comply.

4.3 Light fixtures, grilles, mechanical terminals, and flexible sprinkler hose fittings or other services weighing greater than 20 lbs. must be independently supported by not less than two (2) taut #12 gage wires where less than 56 pounds, and four (4) taut #12 gage wires where greater than or equal to 56 pounds, and attached to the housing and to the structure above. The wires, including their attachment to the structure above, must be capable of supporting four (4) times the weight of the unit.

4.4 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling per Section 4.1 of this IR. Devices weighing more than 20 lbs. shall be suported from the structure above per Section 4.3 of this IR.

4.5 Penetrations through the ceiling for sprinkler heads and other similar devices that are not integrally tied to the ceiling system in the lateral direction shall have a two (2) inch oversized ring, sleeve or adapter through the ceiling tile to allow free movement of one (1) inch in all horizontal directions. Alternatively, per ASTM E580, Section 5.2.6.5, a flexible sprinkler hose fitting that can accommodate 1 inch of ceiling movement shall be permitted to be used in lieu of the oversized ring, sleeve, or adapter.

4.6 **Access Panels:** Access to the space between the ceiling and the floor or roof above shall not be allowed. Small access panels for the inspection, adjustment or repair of utility switches, valves, sensor, etc., may be allowed if the panel is less than 300 square inches, Such panels shall also have a permanently attached warning label as follows:

"**Warning:** 1) Do not climb, walk, or crawl on the gypsum board ceiling panels or metal framing.

2) Do not store or stow anything on the gypsum board ceiling panels or metal framing."

If fire fighter access is required per CBC Section 1209.2 in attics of combustible construction, the prescriptive suspended ceiling system prescribed in this IR is not applicable, and the ceiling shall be framed and designed for such loading.

5. **LATERAL SYSTEM:** A gypsum board ceiling greater than 144 square feet in area shall be designed to resist its own seismic loads, per Section 2 above, and shall not be permitted to be used to resist primary structural loads or other loads. There are two optional lateral systems for this purpose:

- The brace wire system, per Section 5.1.
- The diaphragm system, per Section 5.2.

Either or both options may be shown on plans or noted in the specifications.

Notes: 1. If both options are shown on the plans or noted in the specifications, only one option can be used for each separate ceiling area.

2. Fire-rated systems shall be installed per rated listing (i.e. UL, Factory Mutual, etc.) and manufactures' instruction, and the rated listing may dictate the optional lateral system used.

5.1 **Brace Wire System:** Lateral force bracing assemblies shall consist of a compression strut and four (4) #12 gage splayed bracing wires oriented 90 degrees from each other (see 2/A5.03). Lateral force bracing assemblies shall be spaced, per Table 1 for all values of the component importance factor (Ip) of the ceiling.

TABLE 1
LATERAL FORCE BRACE ASSEMBLY SPACING

Design Spectral Acceleration Paramenter, Sps	Brace Assembly Spacing
Less than or equal to 1.15	12'x12' Full building Height
Greater than 1.15	8'x12' for z/h greater than 0.5
and less than or equal to 1.73	12'x12' for z/h less than or equal to 0.5
Greater than 1.73	8'x8' for z/h greater than 0.5 8'x12' for z/h less than or equal to 0.5

Where, as defined in ASCE 7-10, Section 13.3.1:
z = height in structure of point of attachment of ceiling with respect to the base.
h = average roof height of the structure with respect to the base.

Where different brace spacing is specified at various stories, the respective ceiling plan shall clearly indicate the brace spacing.

5.1.1 There shall be a brace assembly a distance of not more than one half of the above spacing from each surrounding wall, expansion joint and at the edge of any ceiling vertical offset. For example, where the brace spacing is 8'x12', the distance shall be 4 feet in the direction of the 8 foot spacing and 6 feet in the direction of the 12 foot spacing.

5.1.2 The slope of bracing wires shall not exceed 45 degrees from the plane of the ceiling and shall be taut. Splices in bracing wires are not to be permitted without DSA approval.

5.1.3 Ceiling grid members may be attached to not more than two (2) adjacent walls. Ceiling grid members shall be at least 1 inch free of other walls. If walls run diagonally to ceiling grid system runners, one end of main and cross runners should be free, and a minimum of 1 inch clear of wall.

5.1.4 Suspended ceiling systems with an area of 144 square feet or less, surrounded by walls which connect directly to the structure above, do not require bracing assemblies when attached to at least two adjacent walls and the perimeter walls are designed to carry the ceiling lateral forces.

5.2 **Diaphragm System:** A suspended gypsum board ceiling may be designed as a horizontal diaphragm to resist its own seismic loads as prescribed in this section. Gypsum board shall not be used in diaphragm ceilings to resist lateral forces imposed by partitions.

5.2.1 **Diaphragm Ratios:**

Horizontal 2:1 maximum

Vertical 1:1 maximum

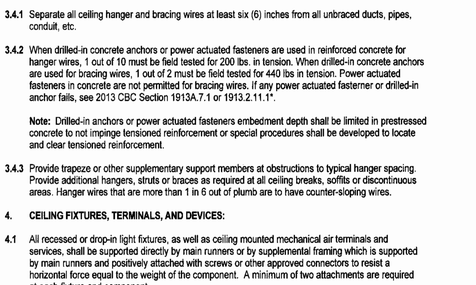
5.2.2 A maximum diaphragm shear equal to 50 lbs/ft is allowed with 1 inch or 1-1/4 inch Hi-Lo Types S, or S-12, bugle head screws at 12 inches o.c. at all gypsum board edges (3/8 inch screw edge distance) and all intermediate supports. A wall constructed similarly can resist the same shear force provided the gypsum board is on the same side of the studs as the ceiling is, and a positive connection between the ceiling and the wall is detailed. The gypsum board diaphragms are to resist lateral loads due to their own weight and/or the ceiling diaphragm(s) only.

5.2.3 Details are required providing for lateral load transfer from the gypsum board to shear walls, or other lateral load resisting elements, on all four sides of the diaphragm. There shall be no steps or vertical offsets in the ceiling plane.

6. **DSA ACCEPTANCE OF EVALUATION REPORTS:** At the discretion of the DSA, proprietary systems may be accepted under all the following conditions:

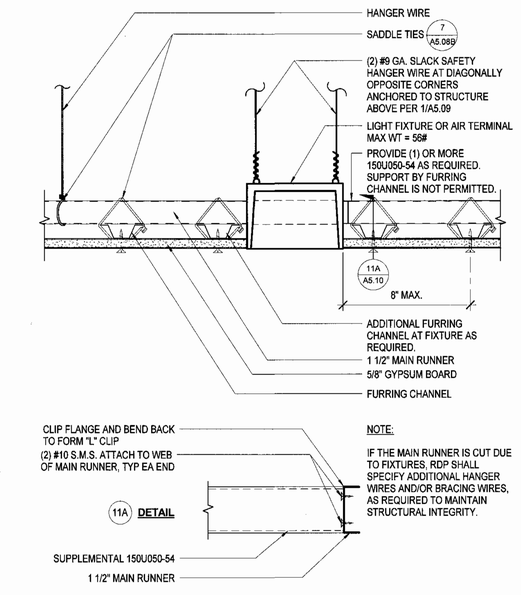
- Acceptance will be granted on a project specific basis.
- Proprietary systems must meet the requirements of the CBC.
- Proprietary systems must have valid evaluation reports meeting the provisions of IR A-5.

In accordance with DSA IR A-5, DSA will accept OSHPD Preapproved Details (OPD) "2103 CBC Standard Gypsum Board Ceiling Details for Suspended and Joist Framing Construction."

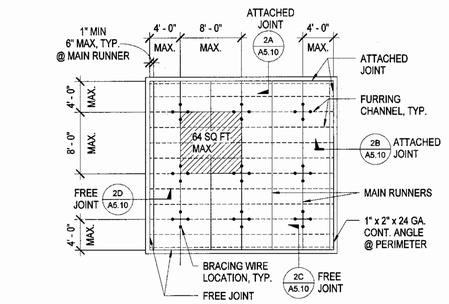


15 ACCESS DOOR IN GYP BD CEILING
3" = 1'-0"

10 SURFACE MOUNTED FIXTURE
3" = 1'-0"

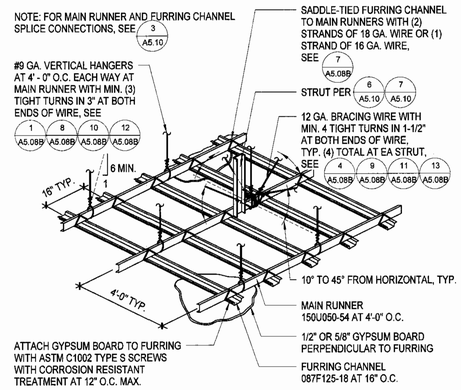


11 LIGHT FIXTURE/AIR TERMINAL SUPPORT
3" = 1'-0"



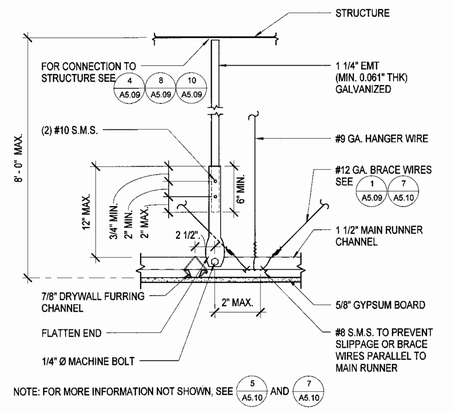
NOTE: BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 64 SQ. FT. MAX. IN ROOMS OVER 64 SQ. FT.

4 TYPICAL CEILING PLAN FOR 8' X 8' BRACE ASSEMBLY SPACING
1/8" = 1'-0" (AT SECOND FLOOR & MEZZANINE CEILINGS ONLY)



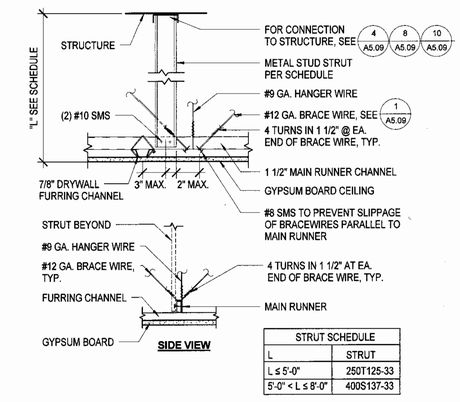
NOTES:
1. SEE GYPSUM BOARD CEILING SUSPENSION NOTES 3.4 AND 5.1.
2. STRUTS SHALL NOT REPLACE HANGER WIRES.
3. ADD ONE HANGER WIRE WITHIN 1.5" OR 2" FROM THE COMPRESSION STRUT PER 6/A5.10 AND 7/A5.10.

5 SUSP. GYP. BD. CEILING BRACING ASSEMBLY
3/8" = 1'-0"



NOTE: FOR MORE INFORMATION NOT SHOWN, SEE 5 A5.10 AND 7 A5.10

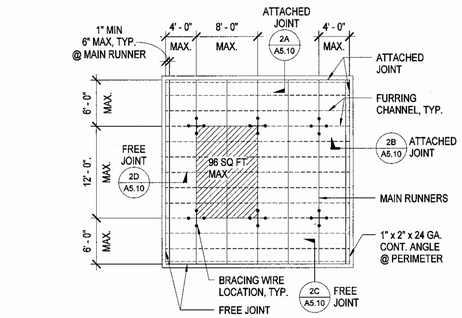
6 TUBE STRUT & BRACING WIRE
1 1/2" = 1'-0"



SIDE VIEW

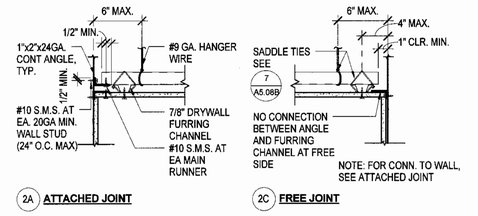
STRUT SCHEDULE	
L	STRUT
L ≤ 5'-0"	250T125-33
5'-0" < L ≤ 8'-0"	400S137-33

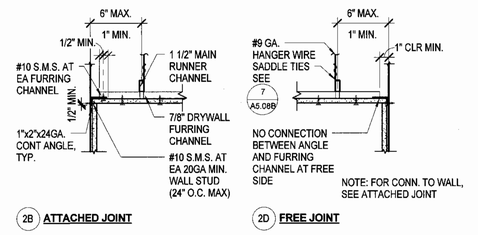
7 METAL STUD STRUT & BRACING WIRE
1 1/2" = 1'-0"



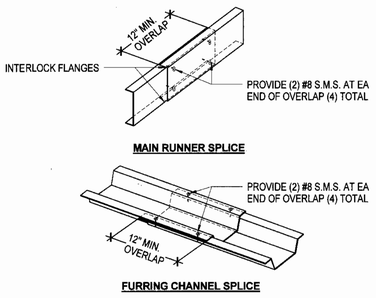
NOTE: BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 96 SQ. FT. MAX. IN ROOMS OVER 96 SQ. FT.

1 TYPICAL CEILING PLAN FOR 8' X 12' BRACE ASSEMBLY SPACING
1/8" = 1'-0" (AT FIRST FLOOR CEILING ONLY)





2 CEILING PERIMETER
1 1/2" = 1'-0"



3 SPLICE DETAILS
1" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
ACCS FLS SS
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3838, (818) 874-0071

LICENSED ARCHITECT WILLIAM J. AMADOR No. C-30348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

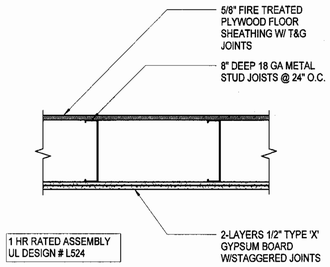
BACKCHECK SUBMITTAL

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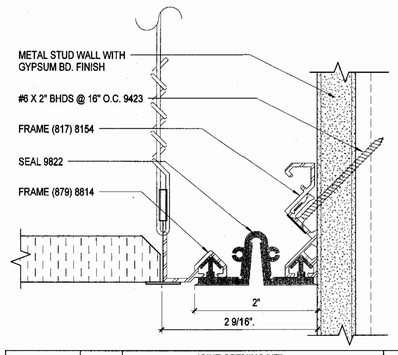
REVISIONS	DATE: 03/26/18
	DRAWN: RJF/VV
	CHECK: RJF/ WJA
	JOB NO: 16-MPC-023

GYPSUM BOARD CEILING DETAILS FOR NON-RATED CEILINGS
IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

A5.10
__ OF __

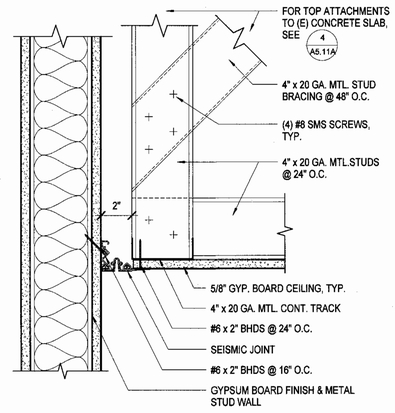


12 1HR GYPSUM BOARD CEILING ASSEMBLY
1 1/2" = 1'-0"



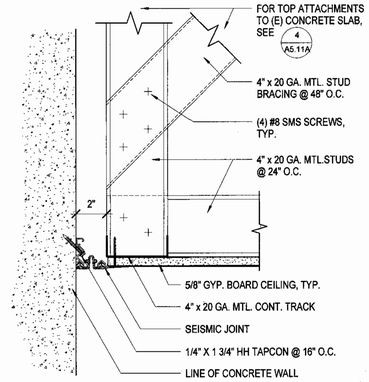
MODEL	NOMINAL "JT"	JOINT OPENING "JT"				TOTAL MOVEMENT	MAT. CODE
		SEISMIC MIN.	THERMAL MIN.	THERMAL MAX.	SEISMIC MAX.		
VSGL-200_STUD	2"	1.25"	1.5"	2.5"	3"	1.75"	FW1601

8 CEILING SEISMIC JOINT DETAIL BETWEEN A.C. CEILING AND METAL STUD WALL
12" = 1'-0"



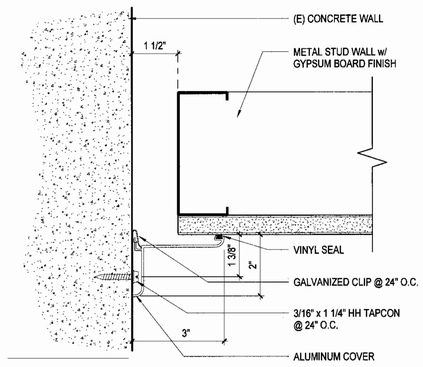
MODEL	NOMINAL "JT"	JOINT OPENING "JT"				TOTAL MOVEMENT	MAT. CODE
		SEISMIC MIN.	THERMAL MIN.	THERMAL MAX.	SEISMIC MAX.		
VSWL-200_STUD	2"	1.5"	1.625"	2.5"	3"	1.5"	FW1801

9 CEILING SEISMIC JOINT DETAIL BETWEEN GYP BD CEILING AND METAL STUD WALL
3" = 1'-0"

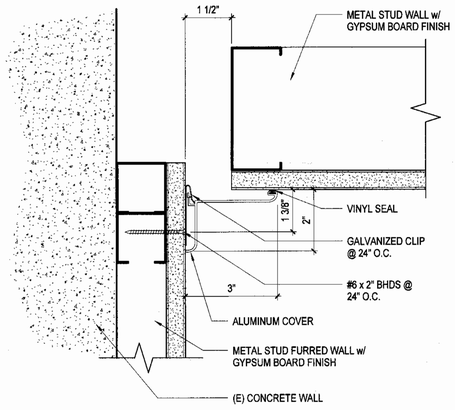


MODEL	NOMINAL "JT"	JOINT OPENING "JT"				TOTAL MOVEMENT	MAT. CODE
		SEISMIC MIN.	THERMAL MIN.	THERMAL MAX.	SEISMIC MAX.		
VSWL-200_CONC	2"	1.5"	1.625"	2.5"	3"	1.5"	FW1801

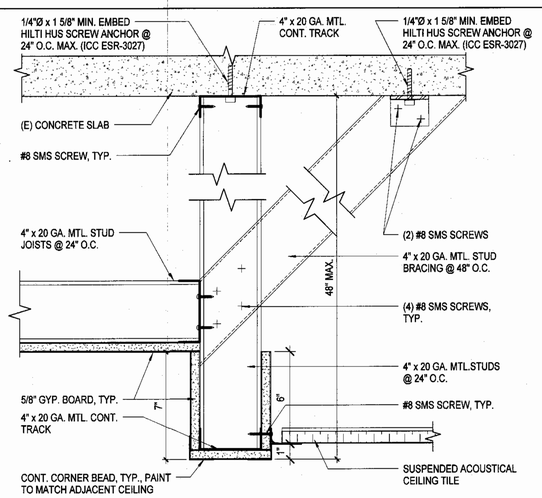
10 CEILING SEISMIC JOINT DETAIL BETWEEN GYP BD CEILING AND CONCRETE WALL
3" = 1'-0"



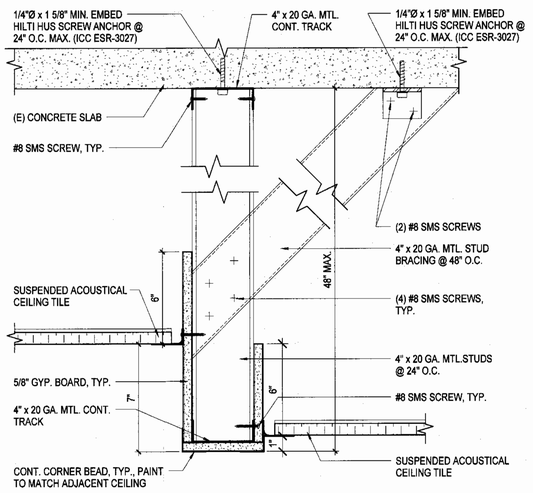
15 SEISMIC EXPANSION JOINT AT CONCRETE WALL
6" = 1'-0"



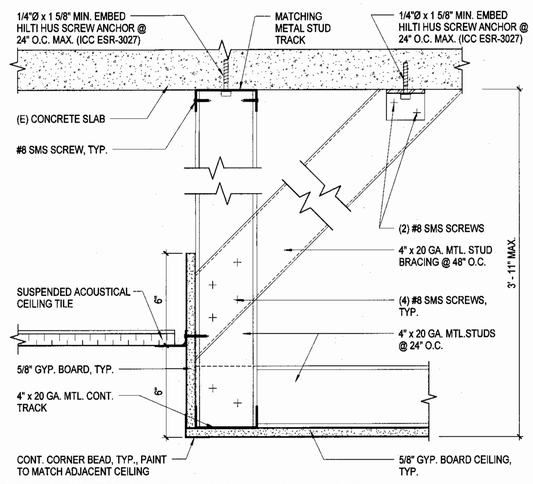
11 SEISMIC EXPANSION JOINT AT WALL CORNER
6" = 1'-0"



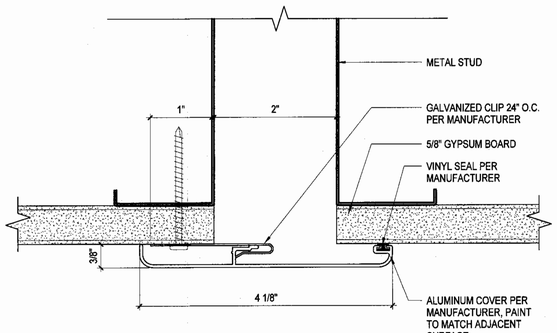
4 SOFFIT DETAIL AT GYPSUM BOARD CEILING
3" = 1'-0"



5 SOFFIT DETAIL AT ACOUSTIC CEILING
3" = 1'-0"

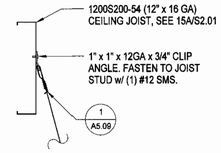


6 SOFFIT DETAIL AT ACCENT CEILING
3" = 1'-0"

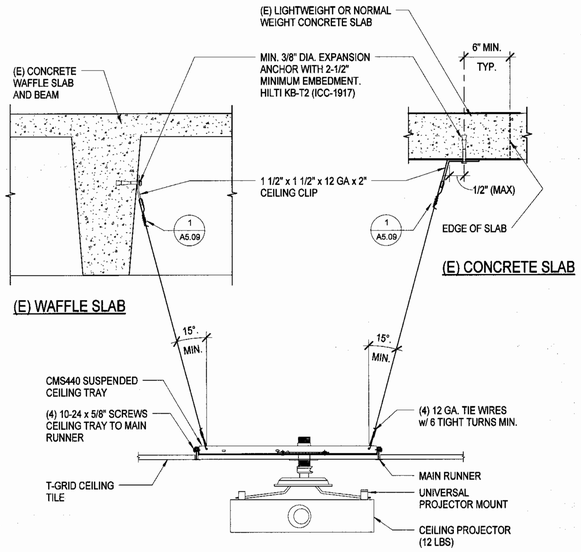


MODEL	NOMINAL "JT"	JOINT OPENING "JT"				TOTAL MOVEMENT	MATERIAL CODE
		SEISMIC MIN.	THERMAL MIN.	THERMAL MAX.	SEISMIC MAX.		
EX-K2 OR EQUAL	2"	0.0"	1.5"	2.5"	2.625"	2.625"	EJMW1002 OR EQUAL

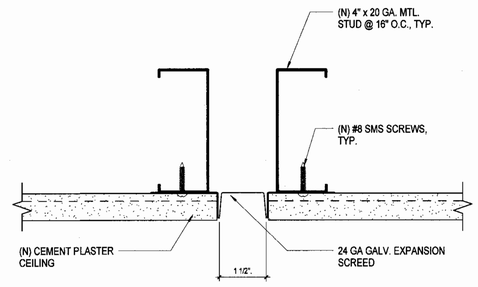
7 SEISMIC EXPANSION JOINT @ METAL STUD WALL
12" = 1'-0"



AT CARDIO 213A ONLY



2 SUSPENDED CEILING PLATE FOR PROJECTOR MOUNT
1 1/2" = 1'-0"



3 CEMENT PLASTER CEILING EXPANSION JOINT
6" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC. FLS ZM SS 80
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM J. WHITTLE BROOKS C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
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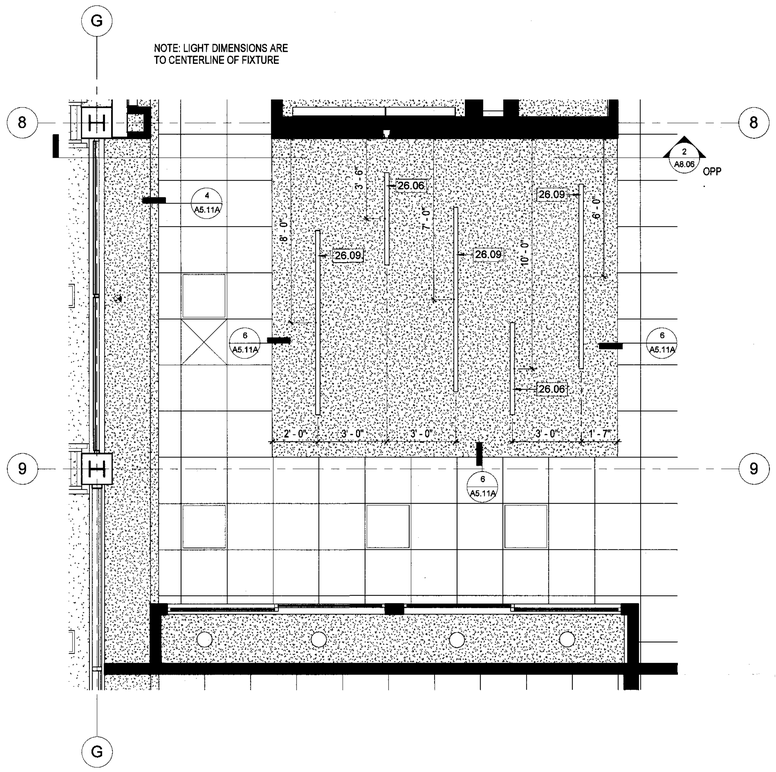
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REVISIONS	DATE: 03/26/18
	DRAWN: WTJ/ GE/ RJF
	CHECK: RJF/ WJA
	JOB NO: 16-MPC-023

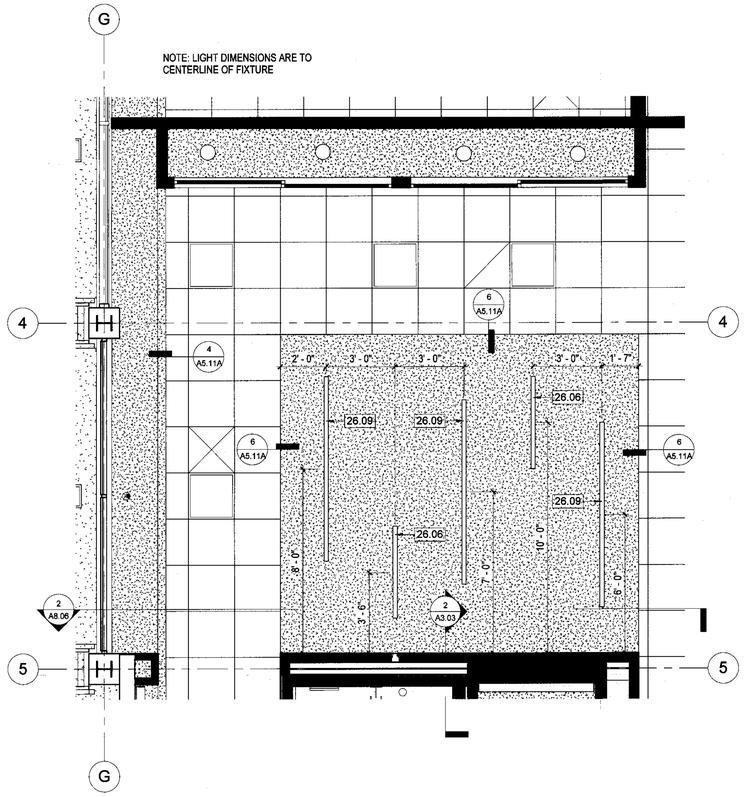
MISCELLANEOUS CEILING & WALL DETAILS — **A5.11A**

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

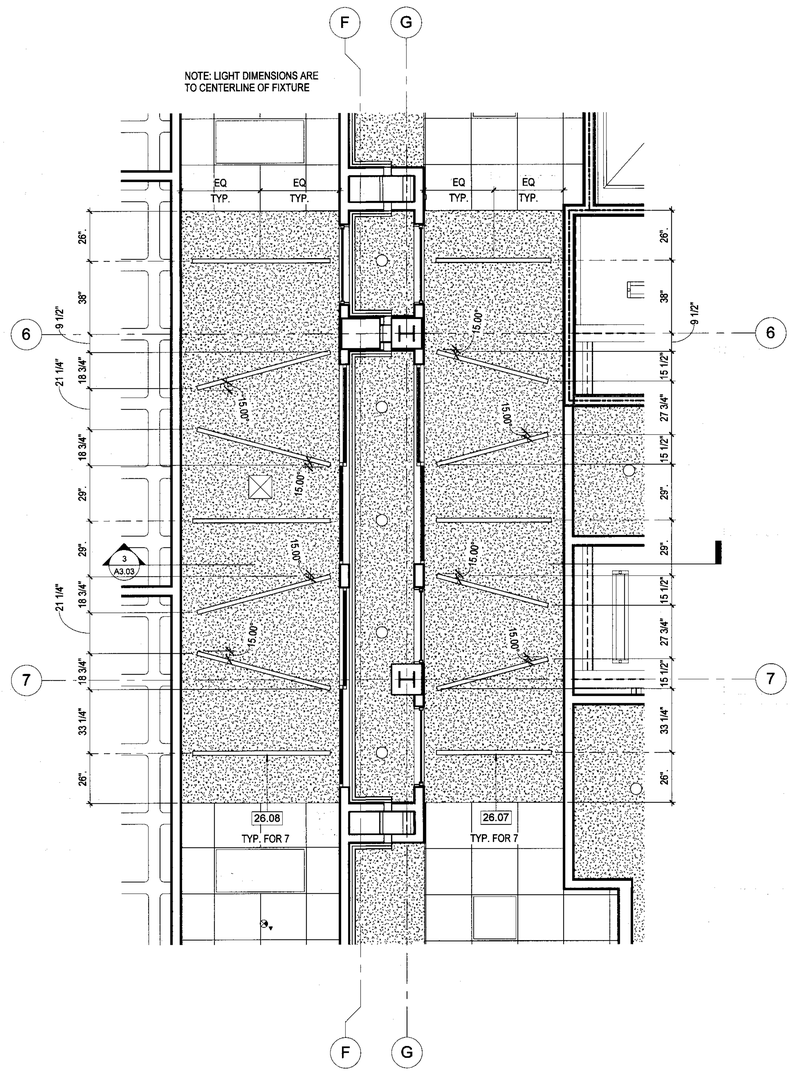
___ OF ___



3 ENLARGED SECOND FLOOR - ACCENT CEILING @ N. LOBBY
3/8" = 1'-0"



2 ENLARGED SECOND FLOOR - ACCENT CEILING @ S. LOBBY
3/8" = 1'-0"



1 ENLARGED FIRST FLOOR - ACCENT CEILING
3/8" = 1'-0"

KEYNOTES

26.06 (N) LINEAR RECESSED LIGHT FIXTURE, 4FT LENGTH - SEE ELECTRICAL
26.07 (N) LINEAR RECESSED LIGHT FIXTURE, 5FT LENGTH - SEE ELECTRICAL
26.08 (N) LINEAR RECESSED LIGHT FIXTURE, 6FT LENGTH - SEE ELECTRICAL
26.09 (N) LINEAR RECESSED LIGHT FIXTURE, 8FT LENGTH - SEE ELECTRICAL

CEILING LEGEND

- 2-HR RATED WALL UL DESIGN NO. 428
- (E) CONCRETE WAFFLE SLAB CEILING
- (N) 2' X 2' LAY-IN CEILING
- (N) GYPSUM BOARD CEILING
- (N) SUPPLY DIFFUSER
- (N) RECESSED LIGHT FIXTURE 24" x 48"
- (N) RECESSED LIGHT FIXTURE 24" x 24"
- (N) PENDANT MOUNTED LIGHT FIXTURE 12" x 48"
- (N) RECESSED DOWN LIGHT
- (N) CEILING MOUNTED EXIT SIGN
- (N) RECESSED LINEAR LIGHT FIXTURE 2" x 48", 2" x 60", 2" x 72", 2" x 96"
- (N) RECESSED PERIMETER LINEAR LIGHT FIXTURE 4 1/4" x 60"
- CEILING SEISMIC JOINT

GENERAL NOTES:

1. SEE SHEETS A5.08A, A5.08B, A5.09, A5.10 & A5.11A FOR GENERAL CEILING NOTES AND CEILING INSTALLATION DETAILS.
2. PROVIDE A MAX. SIZE 16" SQ. ACCESS PANEL IN ALL HARD-LID CEILINGS FOR ACCESS TO FIRE SMOKE DAMPERS AND OTHER UTILITIES ABOVE THE CEILINGS REQUIRING ACCESS FOR MAINTENANCE. FOR 1ST FLOOR ACCESS PANEL LOCATIONS SEE MECHANICAL SHEETS.
3. PROVIDE EXIT SIGNS PER SECTION 1011.1.
   A.) EXIT SIGNS SHALL BE LOCATED AS NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL.
   B.) EXIT SIGNS SHALL BE READILY VISIBLE FROM ANY DIRECTION OF APPROACH.
4. VERIFY WITH ARCHITECT THE INTENDED CONSTRUCTION CONTINUITY OF THE ONE-HOUR ENVELOPE ABOVE THE CEILINGS AS REQUIRED BY CODE AND AS OUTLINED IN THESE PLANS.
5. FIRE SPRINKLER HEADS SHALL BE SEMI-RECESSED AT ALL CEILING TYPES.
6. FOR GWB ON CEILING JOISTS, REFER TO 60/S0.30 FOR CEILING JOIST SCHEDULE.
7. FOR PIPE PENETRATION THRU RATED WALLS & FLOORS, SEE DETAILS ON SHEET A5.15B & 26/A5.07.
8. CEILINGS AT GALLERIES 'A' THROUGH 'H', SHALL HAVE A HEIGHT OF 8'-8" A.F.F.

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
ACC ___ FLS ZH SS ___
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JAY WHITTLE C-25348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

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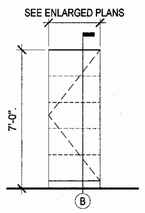
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

ENLARGED ACCENT CEILING PLANS

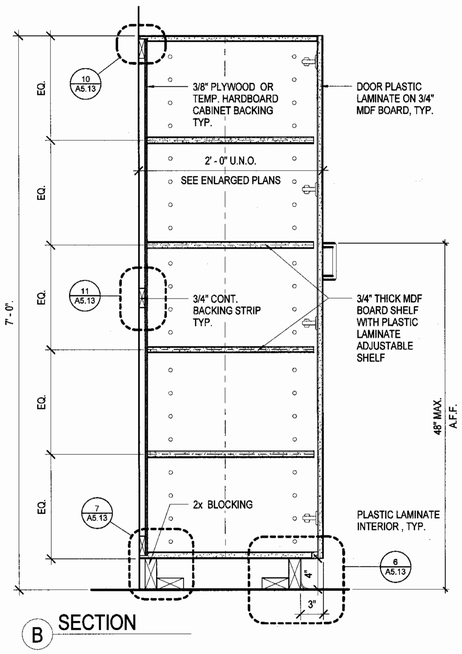
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A5.11B

___ OF ___

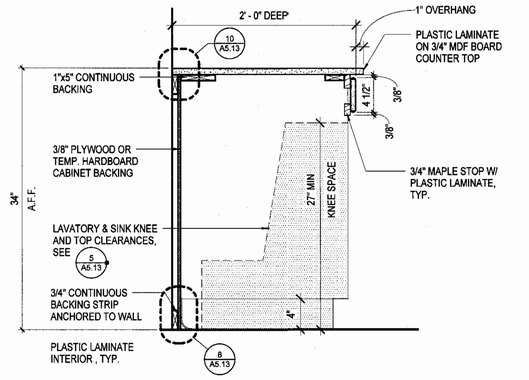


A ELEVATION
N.T.S.

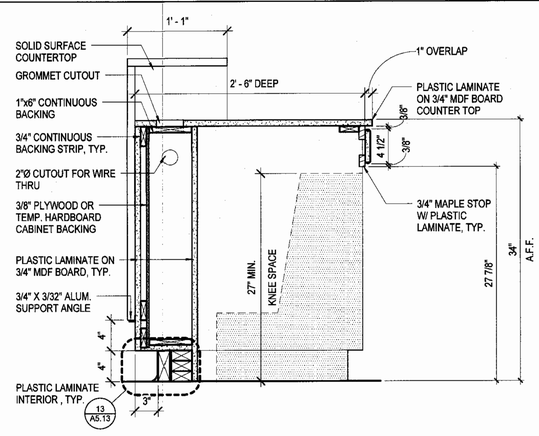


B SECTION

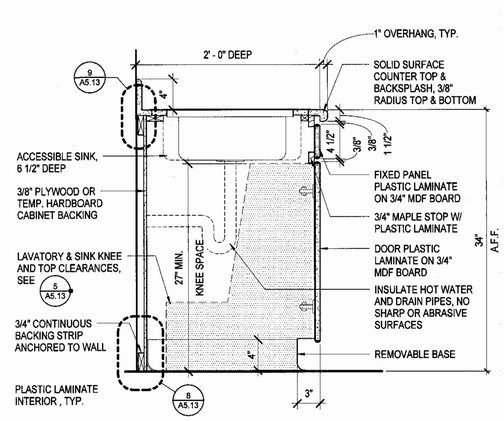
13 CLOSET CABINET DETAIL
1 1/2" = 1'-0"



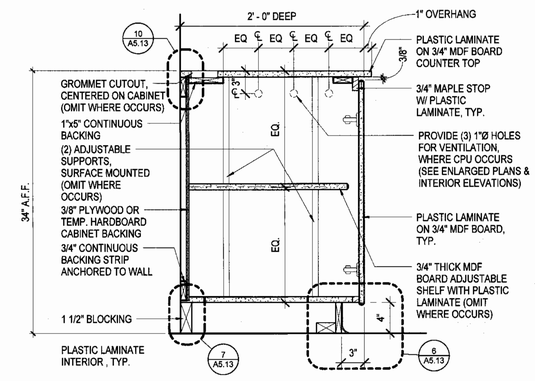
8 ACCESSIBLE OPEN KNEE BASE CABINET
1 1/2" = 1'-0"



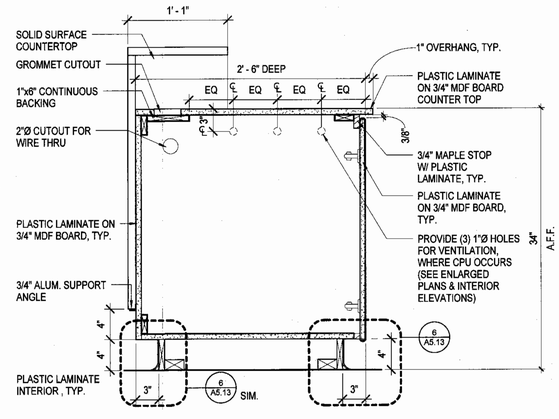
4 INFO DESK OPEN KNEE BASE CABINET
1 1/2" = 1'-0"



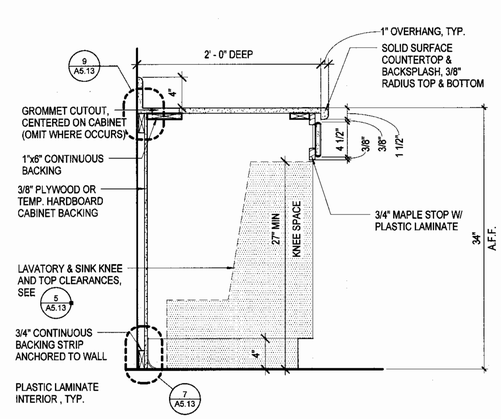
1 ACCESSIBLE SINK BASE CABINET
1 1/2" = 1'-0"



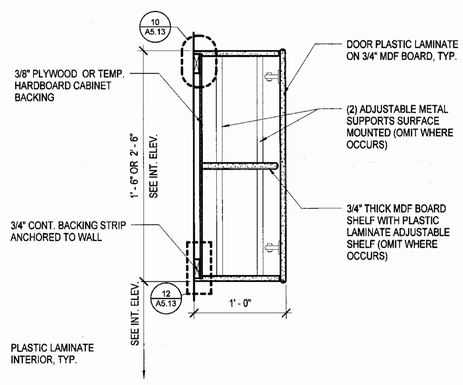
9 BASE CABINET
1 1/2" = 1'-0"



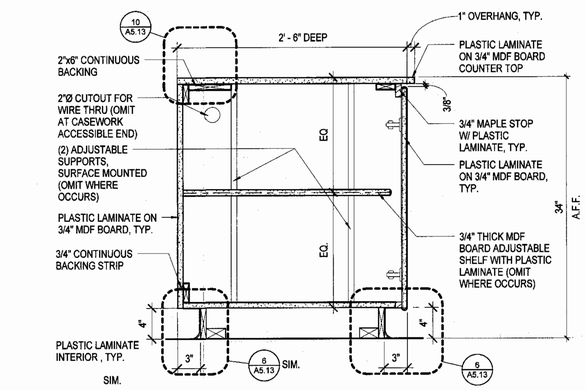
5 INFO DESK BASE CABINET
1 1/2" = 1'-0"



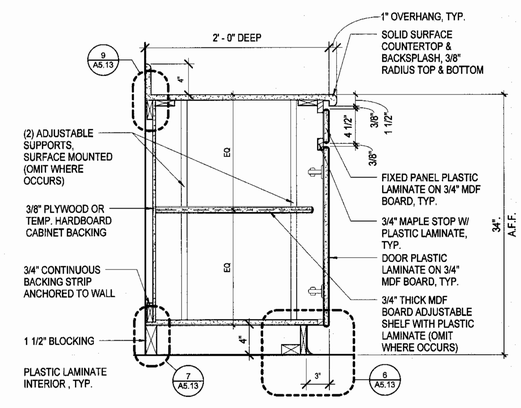
2 ACCESSIBLE OPEN KNEE BASE CABINET
1 1/2" = 1'-0"



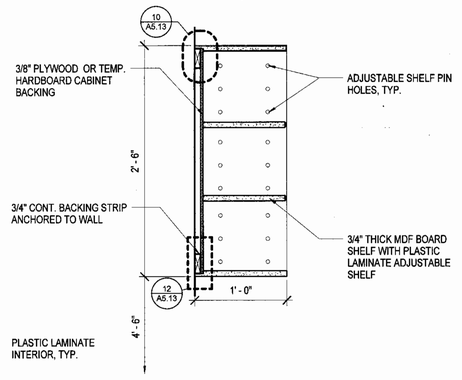
10 UPPER WALL CABINET
1 1/2" = 1'-0"



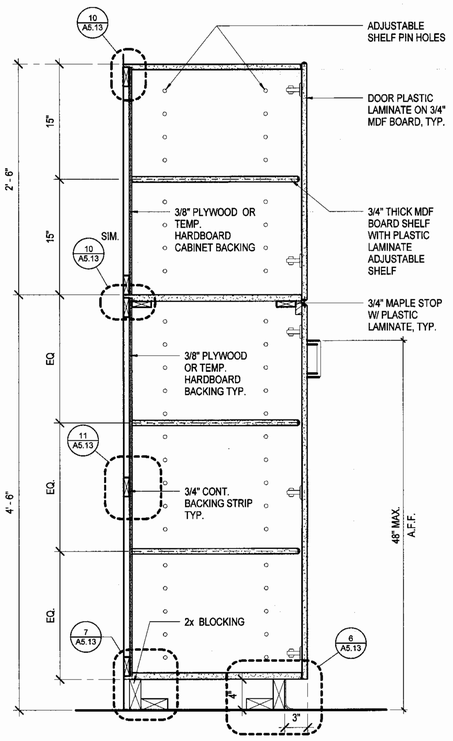
6 INFO DESK BASE CABINET w ADJUSTABLE SHELVING
1 1/2" = 1'-0"



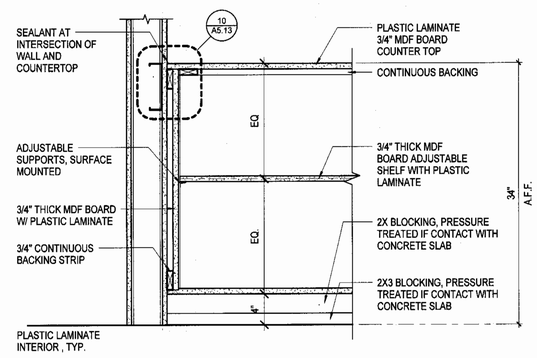
3 BASE CABINET w ADJUSTABLE SHELF
1 1/2" = 1'-0"



12 UPPER WALL CABINET OPEN SHELVES
1 1/2" = 1'-0"



11 TALL CABINET DETAIL
1 1/2" = 1'-0"



7 INFO DESK BASE CABINET @ WALL
1 1/2" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
FLS ZH SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH WHITTLE C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3838 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

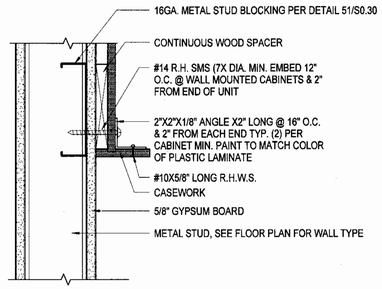
NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

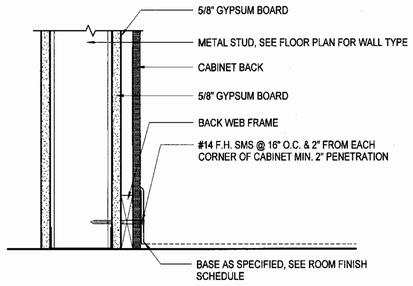
CASEWORK DETAILS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

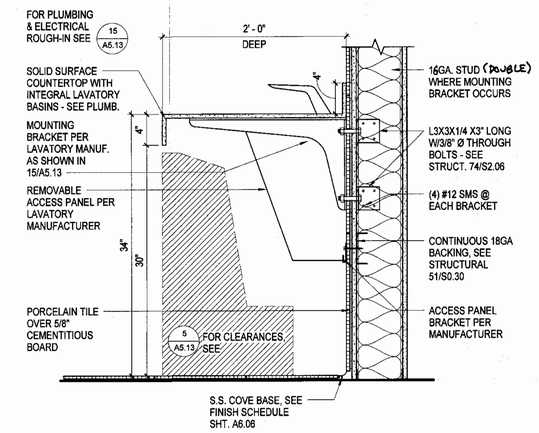
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___ OF ___



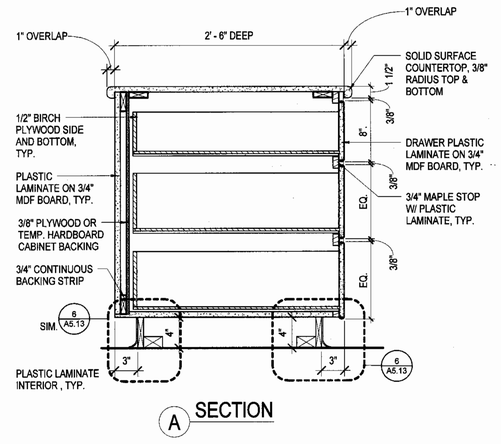
12 WALL ANCHORAGE @ UPPER CABINET (BOTTOM)
3" = 1'-0"



8 WALL ANCHORAGE (BASE)
3" = 1'-0"

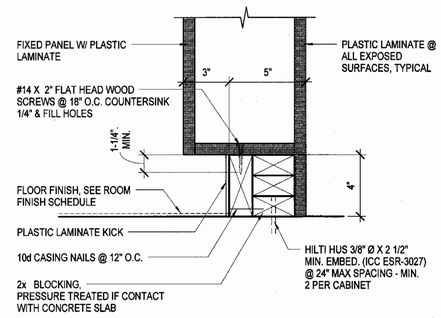


4 LAVATORY W NO BELOW CABINETS
1 1/2" = 1'-0"

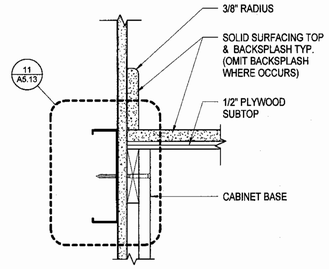


A SECTION

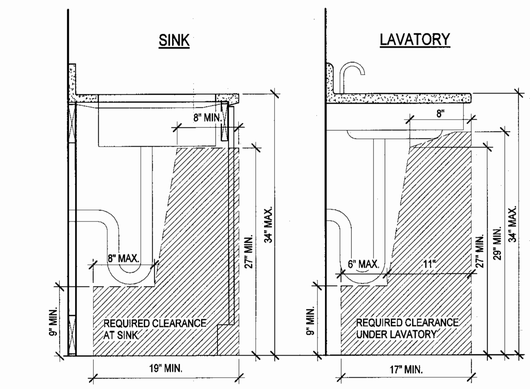
2 BASE CABINET w THREE DRAWERS
1 1/2" = 1'-0"



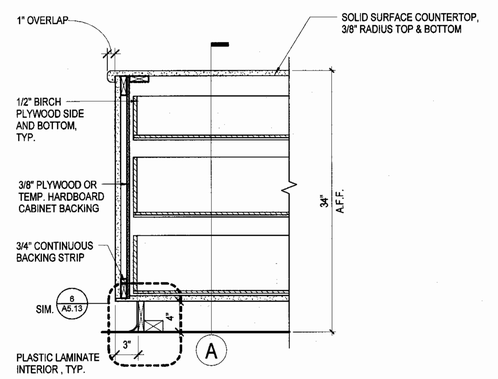
13 INFO DESK BASE ANCHORAGE DETAIL
3" = 1'-0"



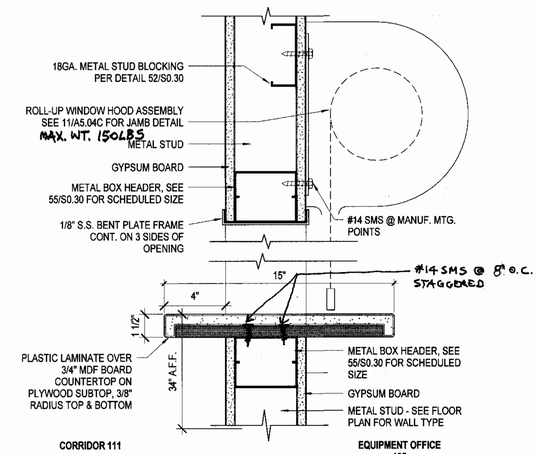
9 COUNTER TOP DETAIL
3" = 1'-0"



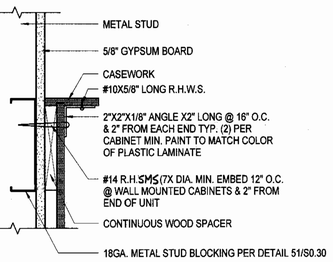
5 SINK & LAVATORY ADA CLEARANCES
1 1/2" = 1'-0"



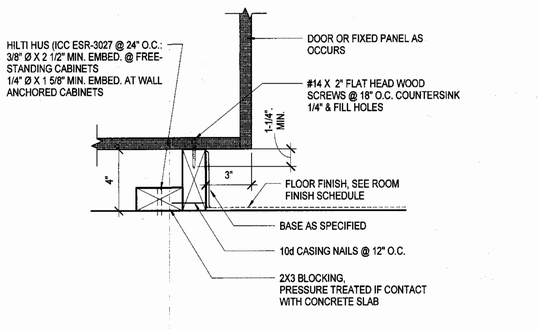
3 BASE CABINET w OPEN SHELVES (ADA)
1 1/2" = 1'-0"



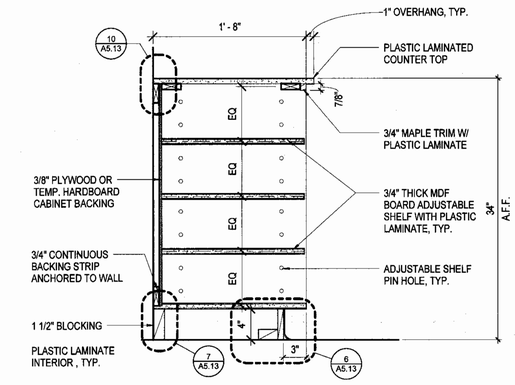
14 PASS THRU COUNTER AT ROLL-UP WINDOW
3" = 1'-0"



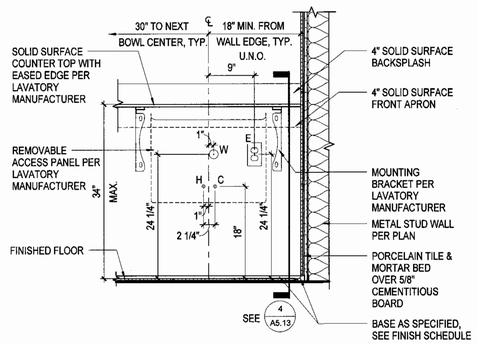
10 WALL ANCHORAGE (TOP)
3" = 1'-0"



6 BASE ANCHORAGE DETAIL
3" = 1'-0"

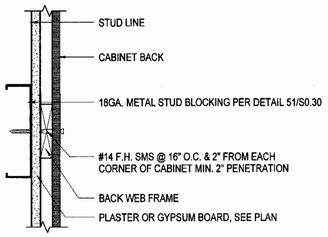


3 BASE CABINET w OPEN SHELVES (ADA)
1 1/2" = 1'-0"

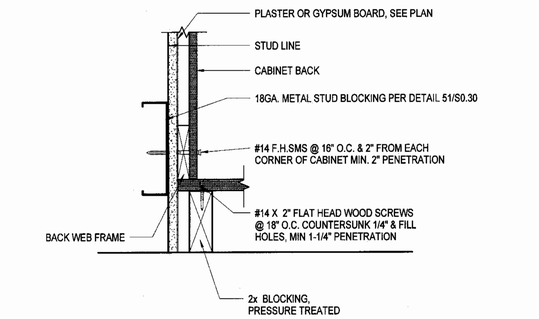


-	DESCRIPTION	QTY.
W	1 1/2" NPT DRAIN, STUB-OUT 2" FROM WALL	1
H,C	1/2" NOMINAL (5/8" O.D. COMP.) HOT/COLD SUPPLIES, STUB-OUT 2" FROM WALL	1
E	110V GFI PROTECTED ELECTRICAL OUTLET (20 AMP CIRCUIT)	2

15 LAVATORY PLUMBING & ELECTRICAL ROUGH-INS
1" = 1'-0"



11 WALL ANCHORAGE (MID)
3" = 1'-0"



7 WALL ANCHORAGE (BASE)
3" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
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FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS ZH SS ___
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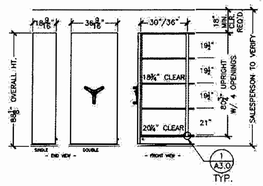
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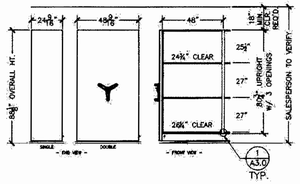
CASEWORK DETAILS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A5.13 ___ OF ___



W1 | TYPICAL ELEVATION – MOBILE – 4–POST



W2 | TYPICAL ELEVATION – MOBILE – 4–POST

Approved and reviewed by:
Initials:_____ Date: _____

McMurray Stern
The Storage Solutions Group
Design Build • Storage Solutions • Records Management
1691 Commerce Blvd. Tel: (800)-669-3686
Palmetto, FL 34221 Fax: (941) 723-3686
Fax: (800) 833-3686 www.mcmurraystern.com

THESE DRAWINGS AND SPECIFICATIONS ARE AND SHALL REMAIN THE PROPERTY OF MCMURRAY STERN AND ARE NOT TO BE USED IN WHOLE OR IN PART FOR ANY WORK WITHOUT THE WRITTEN PERMISSION OF MCMURRAY STERN

Project Address:
VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
MOORPARK COLLEGE
7075 CAMPUS ROAD
MOORPARK, CA 93021

Engineer:
GROSSMAN & SPEER ASSOCIATES, INC.
529 HAHN AVENUE
SUITE 200
GLENDALE, CA. 91203

Engineer Stamp:

REGISTERED PROFESSIONAL ENGINEER
PATRICK MCKEE
NO. 6228
Exp.3-31-20
STRUCTURAL
STATE OF CALIFORNIA

Revisions:

DATE	REVISION	BY	NO
04-05-18	ANCHOR DETAIL REVISED	PG	
04-18-18	DSA COMMENTS	PG	
05-03-18	DSA COMMENTS	PG	

ELEVATIONS

DATE: 01-17-18
DRAWN BY: PG
PROJECT NO: 27042
JOB NO: –
CONSULTANT: 18
SCALE: 1/4" = 1'-0"

A2.0

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

MOORPARK COLLEGE
7075 CAMPUS ROAD
MOORPARK, CA 93021

GENERAL NOTES:

1. INSTALLATION ADDRESS: VENTURA COUNTY COMMUNITY COLLEGE DISTRICT MOORPARK COLLEGE 7075 CAMPUS ROAD MOORPARK, CA 93021
2. WORK NOT IN CONTRACT: ALL WORK NOT SPECIFICALLY CONTAINED IN THE SCOPE OF WORK, INCLUDING SITE PREPARATION, PAINTING, ELECTRICAL, PLUMBING, AND HVAC.
3. SEE LEGEND (SHEET CS1.0) FOR TYPES AND SIZES AND SEE FLOOR PLAN (SHEET A1.0) FOR LAYOUT AND QUANTITIES.
4. SEE SHEETS A2.0 AND A3.0 FOR ELEVATIONS AND DETAILS.
5. COLORS:
   - SHELVING: –
   - FACE PANELS: –
   - PANEL EDGES: –
   - COUNTER TOPS: –
   - COUNTER EDGES: –
   - FLOOR COVERING: –
6. FIRE RETARDANT FLOOR STAMP TO BE LOCATED ON THE UNDERSIDE OF SYSTEM FLOOR AND BE AVAILABLE FOR LATER INSPECTION.
7. ACCESSORIES: DUE TO INDIVIDUAL CUSTOMER PREFERENCE AND REQUIREMENTS, ADJUSTABLE DIVIDERS ARE PROVIDED IN BULK AND INSTALLED ON SHELVES BY USER. (IF APPLICABLE)

PROJECT INFO:

BUILDING AREA:
FLOOR AREA: – SQ. FT.
TYPE OF CONSTRUCTION: –
OCCUPANCY TYPE: –
SPRINKLERED: –
FLOOR: –
FLOOR LEVEL / ROOF LEVEL: – / –

DRAWING INDEX:

COVER SHEET CS1.0
FLOOR PLAN A1.0
ELEVATIONS A2.0
DETAILS A3.0

STRUCTURAL NOTES:

SPECIAL INSPECTION REQUIRED: ☒

1. ALL UNITS TO BE INSTALLED AND ANCHORED IN ACCORDANCE WITH 2016 CALIFORNIA BUILDING CODES.
2. ANCHORING TO BE BASED ON DESIGN FORCES GIVEN IN ASCE 7–10 CHAPTER 13, SECTION 13.3 SEISMIC DEMANDS ON NON–STRUCTURAL COMPONENTS.
3. WEIGHT OF MATERIALS TO BE BASED ON MANUFACTURER'S SHELF CAPACITY.
4. COST OF PLAN CHECK, PERMITS, STRUCTURAL ENGINEER'S FEES FOR CALCULATIONS, OR TESTING OF MATERIALS AND ANCHORS, IF REQUIRED, ARE NOT INCLUDED UNLESS SPECIFICALLY ADDED TO THE CONTRACT IN THE SCOPE OF WORK.
5. TESTING OF ANCHORS: (IF REQUIRED) TO BE PERFORMED BY OWNER
   ANCHOR TYPE: SEE TABLE BELOW
   VALUES PER ICC #1917: HARDROCK CONCRETE, f'c = 3000 PSI

DIA.	EMBED.	ALLOW. TENS.	ALLOW. SHEAR	TEST LOAD	ANCHOR
3/4"	4–5/16"	2548LBS	5985LBS	5096LBS TENSION OR 110'LBS. TORQUE	HILTI S.S. KB–TZ

TEST 50% (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT) IN TENSION TO TWICE THE ALLOWABLE LOAD. IF ANY FAIL, THE IMMEDIATELY ADJACENT BOLTS MUST THEN BE TESTED.

6. SHELF CAPACITIES: 200LBS/LEVEL FOR 30"X18", 250LBS/LEVEL FOR 36"X18" 300LBS/LEVEL FOR 48"X24"

TERMS AND CONDITIONS:

1. MCMURRAY STERN AGREES TO INSTALL IN A FREE AND CLEAR AREA AS DEFINED ON APPROVED DRAWINGS. ADEQUATE UNLOADING FACILITIES, WITH UNLIMITED ACCESS TO INSTALLATION AREA, BUILDING ELEVATOR AND UNLOADING DOCK TO BE PROVIDED BY OWNER.
2. ALL SYSTEMS AND/OR SHELVING SOLD BY MCMURRAY STERN REQUIRE THE USE OF ANCHORS BY FIRE–DRILLING INTO THE EXISTING FLOOR. IT IS THE OWNERS RESPONSIBILITY TO SUPPLY A COPY OF THIS DRAWING TO WHOMEVER TAKES RESPONSIBILITY FOR THE BUILDING AND ANY WIRING, PLUMBING, ETC., WHICH COULD POSSIBLY BE DAMAGED BY THIS PROCESS. ANY INFORMATION PERTAINING TO SUCH CONCERNS MUST BE PROVIDED TO MCMURRAY STERN PRIOR TO THE START OF WORK. CONTACT YOUR DESIGN CONSULTANT IN REGARDS TO ANY QUESTIONS WHICH MAY ARISE.
3. PLEASE NOTE CRITICAL DIMENSIONS. MCMURRAY STERN IS NOT RESPONSIBLE FOR DEVIATIONS FROM CRITICAL DIMENSIONS SHOWN. CUSTOMER AND/OR CONTRACTOR TO ADHERE TO CRITICAL DIMENSIONS ALL DIMENSIONS WITHIN [CD] SYMBOL ARE CRITICAL DIMENSIONS.
4. SURVEYS, PERMITS, AND REGULATIONS: BUYER SHALL PROCURE AND PAY FOR ALL PERMITS AND/OR INSPECTIONS REQUIRED BY ANY GOVERNMENTAL AUTHORITY FOR ANY PART OF THE WORK PERFORMED BY MCMURRAY STERN, EXCEPT AS OTHERWISE STATED.
5. TESTING: ALL MATERIAL AND EQUIPMENT FOR TESTING THE INSTALLATION OR ANCHORS SHALL BE PROVIDED AT THE BUYERS EXPENSE.
6. A CALIFORNIA REGISTERED STRUCTURAL ENGINEER, OTHER THAN GROSSMAN & SPEER, SHALL REVIEW THE SLAB ON GRADE FOR THE NEW SHELVING LOADS.
7. CLIENT IS RESPONSIBLE FOR THE LOAD BEARING CAPACITY OF THE FLOOR UPON WHICH THE PROPOSED INSTALLATION SHALL BE CONSTRUCTED. A FLOOR LOADING EVALUATION BY A LICENSED STRUCTURAL ENGINEER CAN BE PROVIDED FOR AN ADDITIONAL FEE.

LEGEND:

REFER TO FLOOR PLAN ON SHEET A1.0

SYMBOL	UPRIGHT HEIGHT	SINGLE SHELF DEPTH	DOUBLE SHELF DEPTH	ELEVATION SYMBOL	ELEVATION SHEET
W1	4–POST 80.75"	18"	36"	W1	A2.0
W2	4–POST 80.75"	24"	N/A	W2	A2.0

- MECHANICAL HANDLE AND END PANEL
- END PANEL
- SINGLE STATIONARY UNIT W/FULL BACK PANEL
- DOUBLE MOBILE UNIT W/ CENTERSTOP
- BACK TO BACK MOBILE UNIT W/FULL BACK PANEL
- @ STATIONARY PLATFORM ANGLE

WELDING NOTES:

1. ALL WELDING SHALL CONFORM TO THE LATEST A.W.S. A5.1 AND A.W.S. D1.1 OF THE STRUCTURAL WELDING CODE–STRUCTURAL WELDING. SHALL BE LIMITED TO THE SHIELDED METAL ARC WELDING OR FLUX CORED ARC WELDING PROCESSES.
2. ALL WELDING SHALL BE DONE BY AWS CERTIFIED OPERATORS QUALIFIED BY AN INSPECTOR APPROVED BY D.S.A. FOR THE TYPE OF OPERATION INVOLVED.
3. E–70XX LOW HYDROGEN ELECTRODES SHALL BE USED
4. INSPECTION IS REQUIRED FOR ALL SHOP AND FIELD WELDING BY A SPECIAL WELDING INSPECTOR APPROVED BY D.S.A.
5. TYPE OF WELD (SHOP OR FIELD) SHALL BE DETERMINED BY CONTRACTOR.

CUSTOMER APPROVAL:

1. BY SIGNING THIS DRAWING THE CLIENT AGREES THAT THEY HAVE THE FINAL DRAWING OPTION #_____ AND THAT IT CORRECTLY AND COMPLETELY REPRESENTS THEIR PROJECT AND CONTRACT WITH MCMURRAY STERN. ALL MATERIAL ORDERED BY MCMURRAY STERN FOR THIS PROJECT WILL BE BASED ON THIS SIGNED DRAWING.

Approved and reviewed by:
SIGNATURE:_____ DATE: _____
PRINTED NAME:_____

McMurray Stern
The Storage Solutions Group
Design Build • Storage Solutions • Records Management
1691 Commerce Blvd. Tel: (800)-669-3686
Palmetto, FL 34221 Fax: (941) 723-3686
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7075 CAMPUS ROAD
MOORPARK, CA 93021

Engineer:
GROSSMAN & SPEER ASSOCIATES, INC.
529 HAHN AVENUE
SUITE 200
GLENDALE, CA. 91203

Engineer Stamp:

REGISTERED PROFESSIONAL ENGINEER
PATRICK MCKEE
NO. 6228
Exp.3-31-20
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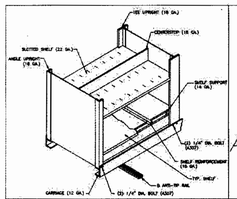
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05-03-18	DSA COMMENTS	PG	

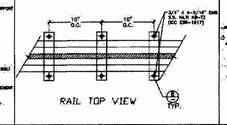
Project Information

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CONSULTANT: 18
SCALE:

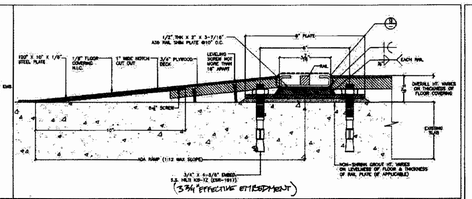
CS1.0



1 | SHELVING TO CARRIAGE ANCHORING



2 | RAIL ANCHORING – B ANTI–TIP



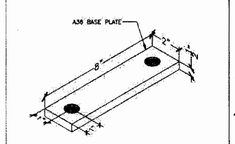
3 | RAIL / FLOOR – B ANTI–TIP

4 | STATIONARY PLATFORM ANGLE

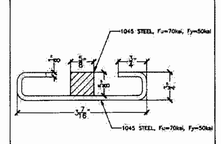
5 | SHELVING TO CARRIAGE ANCHORING

6 | PLATFORM ANCHORING TO FLOOR

7 | PLATFORM ANCHORING TO FLOOR



8 | RAIL PLATE DETAIL



9 | RAIL DETAIL

Approved and reviewed by:
Initials:_____ Date: _____

McMurray Stern
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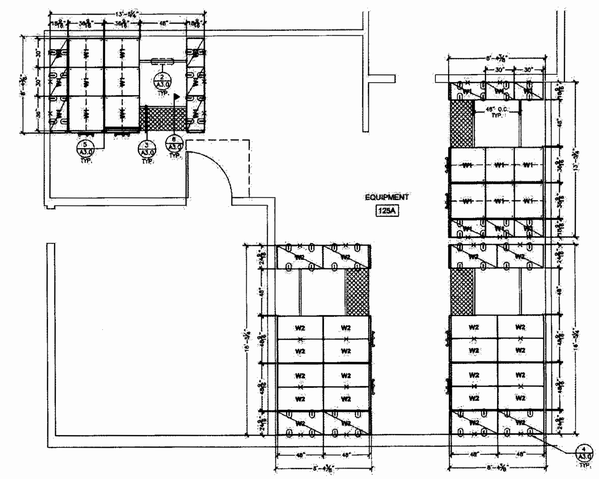
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04-18-18	DSA COMMENTS	PG	
05-03-18	DSA COMMENTS	PG	

DETAILS

DATE: 01-17-18
DRAWN BY: PG
PROJECT NO: 27042
JOB NO: –
CONSULTANT: 18
SCALE: NONE

A3.0

CRITICAL DIMENSION NOTE:
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1 | EQUIPMENT – 125A

Approved and reviewed by:
Initials:_____ Date: _____

McMurray Stern
The Storage Solutions Group
Design Build • Storage Solutions • Records Management
1691 Commerce Blvd. Tel: (800)-669-3686
Palmetto, FL 34221 Fax: (941) 723-3686
Fax: (800) 833-3686 www.mcmurraystern.com

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Project Address:
VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
MOORPARK COLLEGE
7075 CAMPUS ROAD
MOORPARK, CA 93021

Engineer:
GROSSMAN & SPEER ASSOCIATES, INC.
529 HAHN AVENUE
SUITE 200
GLENDALE, CA. 91203

Engineer Stamp:

REGISTERED PROFESSIONAL ENGINEER
PATRICK MCKEE
NO. 6228
Exp.3-31-20
STRUCTURAL
STATE OF CALIFORNIA

Revisions:

DATE	REVISION	BY	NO
04-05-18	ANCHOR DETAIL REVISED	PG	
04-18-18	DSA COMMENTS	PG	
05-03-18	DSA COMMENTS	PG	

FLOOR PLAN

DATE: 01-17-18
DRAWN BY: PG
PROJECT NO: 27042
JOB NO: –
CONSULTANT: 18
SCALE: 3/16" = 1'-0"

A1.0

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT
WILLIAM JOHN AMADOR
No. C-23545
JANUARY 31, 2019
RENEWAL DATE
STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 . (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

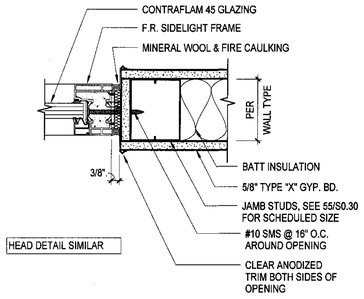
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REVISIONS	DATE: 03/26/18
	DRAWN: WJT
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

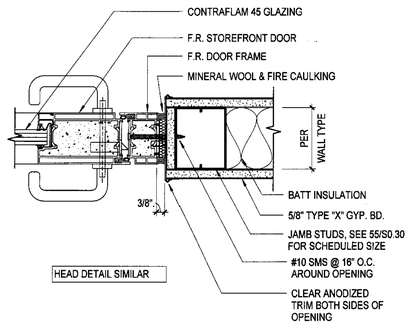
MOBILE SHELVING PLANS & DETAILS

A5.14
___ OF ___

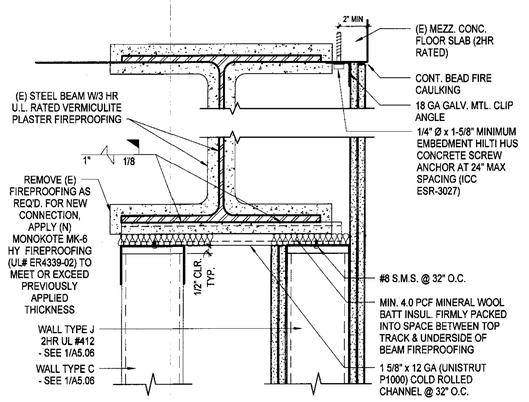
IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY



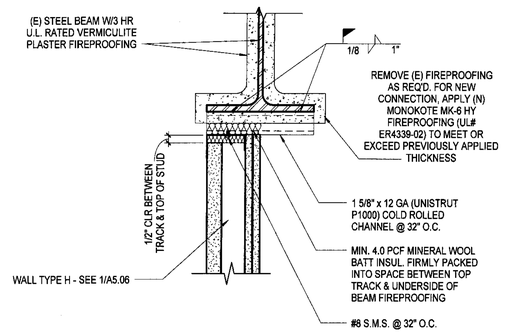
12 INT. 45 MIN. F.R. SIDELIGHT JAMB
3" = 1'-0"



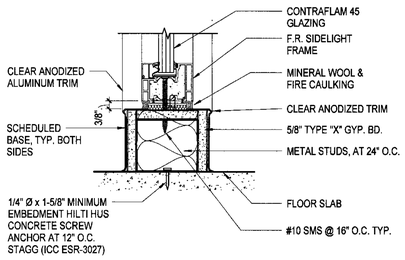
8 INT. 45 MIN. F.R. STOREFRONT DOOR JAMB
3" = 1'-0"



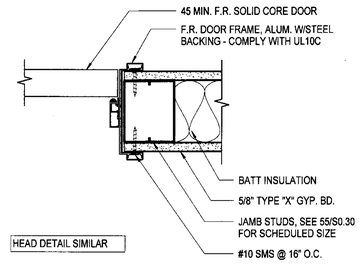
4 SHAFTWALL HEAD TO STEEL BEAM
3" = 1'-0"



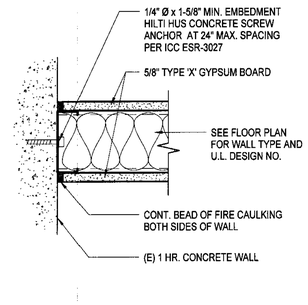
1 SHAFTWALL HEAD TO STEEL BEAM
3" = 1'-0"



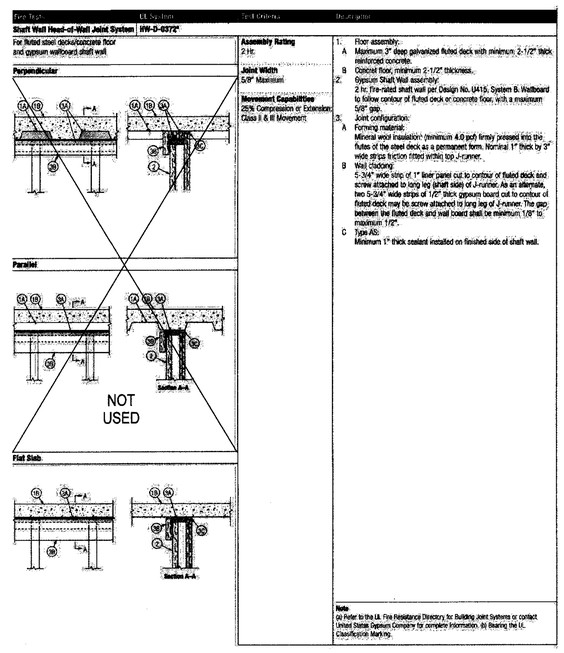
13 INT. 45 MIN. F.R. SIDELIGHT SILL
3" = 1'-0"



9 INT. 45 MIN. F.R. SOLID CORE DOOR JAMB
3" = 1'-0"

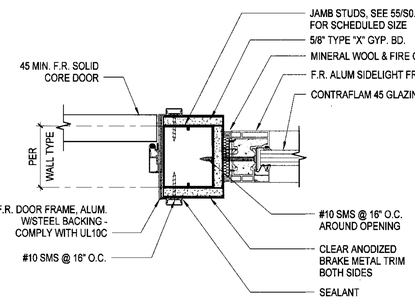


5 1 HR STUD PARTITION @ (E) CONC. WALL
3" = 1'-0"

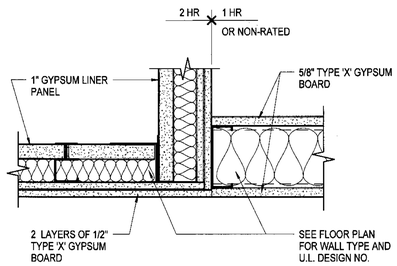


2 HR RATED ASSEMBLY
UL# HW-D-0372

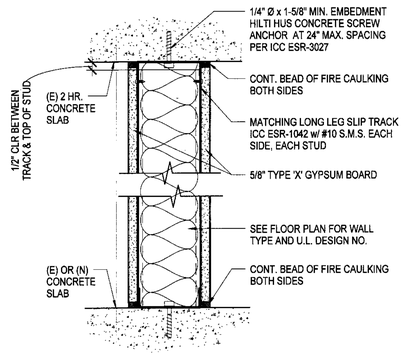
3 2HR SHAFTWALL HEAD TO CONCRETE DECK
1 1/2" = 1'-0"



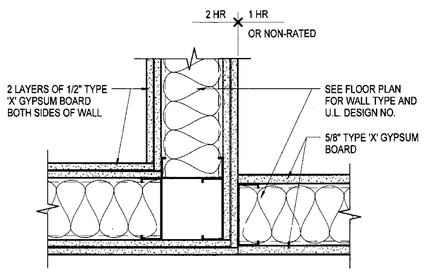
14 INT. 45 MIN. F.R. DOOR JAMB AT F.R. SIDELIGHT
3" = 1'-0"



10 2 HR SHAFTWALL / 1 HR STUD PARTITION
3" = 1'-0"



6 1 HR STUD PARTITION @ FLR & (E) SLAB ABOVE
3" = 1'-0"



11 2 HR / 1 HR STUD PARTITION
3" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JORGE AMADOR C 20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
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MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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REVISIONS	DATE: 03/26/18
	DRAWN: RJF
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

FIRE-RATED CONTINUITY DETAILS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A5.15A

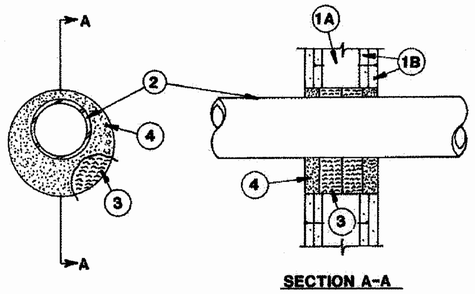
___ OF ___

System No. W-L-1027

March 24, 1999

F Rating — 2 Hr

T Rating — 0 Hr



SECTION A-A

1. Wall Assembly — The fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.

B. **Gypsum Board*** — One or more layers of gypsum wallboard providing a min total thickness of 1 in. per side of wall. The gypsum wallboard type, thickness, number of layers and orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 9-1/4 in.

2. Through Penetrants — One metallic pipe, conduit or tubing to be installed within opening. Pipe or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduit or tubing may be used:

A. **Steel Pipe** — Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. The annular space shall be min 1/4 in. to max 2-1/4 in.

B. **Conduit** — Nom 4 in. diam (or smaller) steel electrical metallic tubing or steel conduit. The annular space shall be min 1/4 in. to max 2-1/4 in.

C. **Copper Tubing** — Nom 6 in. diam (or smaller) Type M (or heavier) copper tubing. The annular space shall be min 1 in. to max 1-5/8 in.

D. **Steel Pipe** — Nom 6 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. The annular space shall be a min 1 in. to max 1-5/8 in.

3. Forming Material — Min 2-1/2 in. thickness of min 3.5 pcf mineral fiber insulation firmly packed into opening as a permanent form. Forming material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

THERMAFIBER INC — Type SAF

4. Fill, Void or Cavity Material* — Sealant — Min 1 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Dry mix material mixed with water at a rate of 2.1 parts dry mix to 1 part water by weight in accordance with the accompanying installation instructions.

UNITED STATES GYPSUM CO — Type FC

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

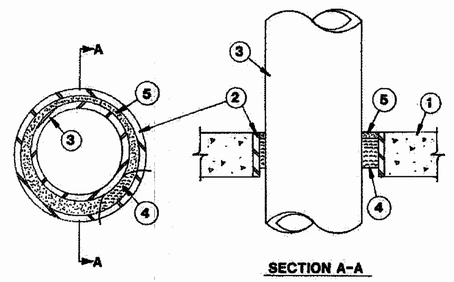
9 PIPE THRU 1 & 2 HR. FIRE-RATED WALL
1 1/2" = 1'-0" SYSTEM NO. W-L-1027

System No. C-AJ-1081

February 04, 1999

F Rating — 2 and 3 Hr (See Items 1 and 4)

T Rating — 0 Hr



SECTION A-A

1. Floor or Wall Assembly — Min 3-3/4 in. (2-Hr Rating) or min 4-1/2 in. (3-Hr Rating) thick reinforced lightweight or normal weight (100-150 pcf) concrete floor, or min 4-3/4 in. (2-Hr Rating) or min 5 in. (3-Hr Rating) thick reinforced lightweight or normal weight (100-150 pcf) concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks***. **Max diam of opening is 16 in.**

See **Concrete Block** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

1* A **2. Metallic Sleeve** — (Optional) — Nom 16 in. diam (or smaller) steel pipe, conduit or steel EMT cast or grouted into floor or wall assembly, flush with floor or wall surfaces.

3. Through Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. **Steel Pipe** — Nom 10 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. The annular space shall be min 1/4 in. to max 4 in.

B. **Steel Pipe** — Nom 24 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. The annular space shall be min 1/4 in. to max 1-15/16 in.

C. **Conduit** — Nom 6 in. diam (or smaller) steel conduit or nom 4 in. diam (or smaller) electrical metallic tubing. The annular shall be min 1/4 in. to max 4 in.

D. **Copper Tubing** — Nom 6 in. diam (or smaller) Type M (or heavier) copper tubing. The annular space shall be min 1/4 in. to max 1-13/16 in.

E. **Copper Tubing** — Nom 4 in. (or smaller) Type M (or heavier) copper tubing. The annular space shall be a min 1/4 in. to max 4 in.

F. **Copper Pipe** — Nom 4 in. (or smaller) Regular (or heavier) copper pipe. The annular space shall be a min 1/4 in. to max 4 in.

4. Forming Material* — Min 2-3/4 in. (2-Hr Rating)or min 3 in. (3-Hr Rating) thickness of min 3.5 pcf mineral fiber insulation firmly packed into opening as a permanent form. Forming material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.

THERMAFIBER INC — Type SAF

5. Fill, Void or Cavity Material* — Sealant — Min 1 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. Dry mix material mixed with water at a rate of 2.1 parts dry mix to 1 part water by weight in accordance with the accompanying installation instructions.

UNITED STATES GYPSUM CO — Type FC

5A. Fill, Void or Cavity Material* — Not Shown — Two component fill material used as an alternate to Item 5. Min 1 in. thickness of fill material applied within the annulus, flush with top side of floor or both surfaces of wall. Ready-mixed component mixed with accelerator component at a rate of 66 parts of ready-mixed component to 1 part accelerator component by weight in accordance with the accompanying installation instructions.

UNITED STATES GYPSUM CO — Type RFC

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

1* MAX. CORE SIZE PERMITTED SHALL BE 6"

5 PIPE THRU 1 & 2 HR. FIRE-RATED FLOOR
1 1/2" = 1'-0" SYSTEM NO. C-AJ-1081 (Pipe)

System No. C-AJ-1020

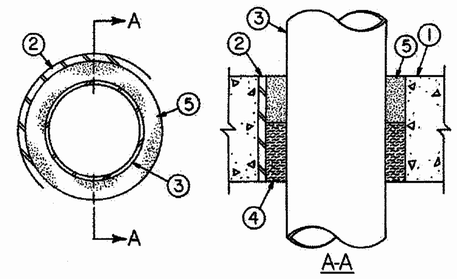
December 02, 2010

F Rating — 2 and 3 Hr (See Item 3)

T Rating — 0, 3/4 and 1 Hr (See Item 3)

L Rating at Ambient — Less than 1 CFM/sq ft

L Rating at 400 F — Less than 1 CFM/sq ft



1. Floor or Wall Assembly — Reinforced lightweight or normal weight (100-150 pcf) concrete having a min thickness as specified in the table below (Item 3). Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 8 in.

See **Concrete Block** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Metallic Sleeve — (Optional) — Nom 8 in. diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into wall or floor assembly, flush with floor or wall surfaces.

3. Through Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The annular space shall be as specified in the table below. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. **Steel Pipe** — Nom 6 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Conduit** — Nom 4 in. diam (or smaller) steel electrical metallic tubing.

C. **Conduit** — Nom 6 in. diam (or smaller) rigid galv steel conduit.

The F and T rating of the system is dependent upon the diam of the pipe or conduit and annular space between the pipe or conduit and the periphery of the opening as shown in the table below:

Floor or Wall	Min Floor or Wall Thkns In.	Max Diam of Steel Pipe or Conduit In.	Min Annular Space In.	Max Annular Space In.	Min Fill Mtl Thkns In.	Min Forming Mtl Thkns In.	F Rating Hr	T Rating Hr
F	3-3/4	1-1/2	3/8	2-1/8	1	2-3/4	2	0
F	3-3/4	6	3/8	3/4	1	2-3/4	2	0
F	3-3/4	6	3/8	1	2	1-3/4	2	0
F	4-1/2	1-1/2	3/8	2-1/8	1	3-1/2	3	3/4
F	4-1/2	6	3/8	3/4	1	3-1/2	3	0
F	4-1/2	6	3/8	1	2	2-1/2	3	0
W	5-1/2	1-1/2	3/8	2-1/8	1	3-1/2	3	3/4
W	5-1/2	6	3/8	3/4	1	3-1/2	3	0
W	6-1/2	1-1/2	3/8	2-1/8	2	2-1/2	3	1
W	6-1/2	6	3/8	1	2	2-1/2	3	0

4. Forming Material* — Min 4.0 pcf mineral wool batt insulation firmly packed into opening as a permanent form at the min thickness specified in the above table (Item 3). Forming material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.

THERMAFIBER INC — Type SAF

5. Fill, Void or Cavity Material* — Caulk — Min thickness of fill material as specified in the above table (Item 3) applied within the annulus, flush with top surface of floor or with both surfaces of wall.

UNITED STATES GYPSUM CO — Type AS

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

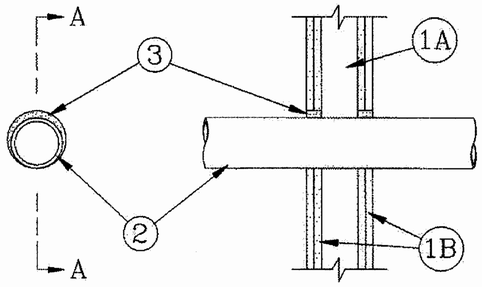
2 PIPE THRU 1 & 2 HR. FIRE-RATED FLOOR
1 1/2" = 1'-0" SYSTEM NO. C-AJ-1020

System No. W-L-1063

February 19, 1997

F Rating — 2 Hr

T Rating — 0 Hr



SECTION A-A

1. Wall Assembly — The fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.

B. **Gypsum Board*** — Two layers of nom 1/2 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design. Max diam of opening is 5-7/8 in.

2. Through Penetrants — One metallic pipe, conduit or tube to be installed within opening. The annular space shall be min 1/4 in. to max 1-5/8 in. Pipe, conduit or tube to be rigidly supported on both sides of wall assembly. The following types and sized of metallic pipes, conduit or tubing may be used:

A. **Steel Pipe** — Nom 3-1/2 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Conduit** — Nom 3-1/2 in. diam (or smaller) electrical metallic tubing (EMT) or steel conduit.

C. **Copper Tubing** — Nom 4 in. diam (or smaller) Type M (or heavier) copper tubing.

3. Fill, Void or Cavity Material* — Min 1 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Dry mix material mixed with water at a rate of 2.1 parts dry mix to 1 part water, by weight, in accordance with the accompanying installation instructions.

UNITED STATES GYPSUM CO — Type FC

3A. Fill, Void or Cavity Material* — Not Shown — Two component fill material used as an alternate to Item 3. Min 1 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Ready-mixed component mixed with accelerator component at a rate of 66 parts of ready-mixed component to 1 part of accelerator component by weight in accordance with the accompanying installation instructions.

UNITED STATES GYPSUM CO — Type RFC

*Bearing the UL Classification Marking

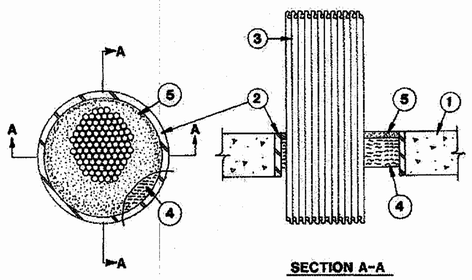
11 PIPE THRU 1 & 2 HR. FIRE-RATED WALL
1 1/2" = 1'-0" SYSTEM NO. W-L-1063

System No. C-AJ-3045

March 24, 1999

F Rating — 2 & 3 Hr (See Items 1 and 4)

T Rating — 0 Hr



SECTION A-A

1. Floor or Wall Assembly — Min 3-3/4 in. (2-Hr Rating) or min 4-1/2 in. (3-Hr Rating) thick reinforced lightweight or normal weight (100-150 pcf) concrete floor, or min 4-3/4 in. (2-Hr Rating) or min 5 in. (3-Hr Rating) thick reinforced lightweight or normal weight (100-150 pcf) concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 14 in.

See **Concrete Block** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

1* A **2. Metallic Sleeve** — (Optional) — Nom 14 in. diam (or smaller) Schedule 40 (or heavier) steel pipe, conduit or EMT cast or grouted into floor or wall assembly, flush with floor or wall assembly.

3. Cables — Aggregate cross-sectional area of 100 pair, No. 24 AWG telephone cables with polyvinyl chloride insulation and jacketing in opening to be min 10 percent to max 40 percent of the aggregate cross-sectional area of the opening. The annular space shall be min 1/4 in. to max 4 in. Cables to rigidly supported on both sides of floor or wall assembly.

4. Forming Material* — Min 2-3/4 in. (2-Hr Rating) or min 3 in. (3-Hr Rating) thickness of min 3.5 pcf mineral fiber insulation firmly packed into opening as a permanent form. Forming material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.

THERMAFIBER INC — Type SAF

5. Fill, Void or Cavity Material* — Sealant — Min 1 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. Dry mix material mixed with water at a rate of 2.1 parts dry mix to 1 part water by weight in accordance with the accompanying insulation instructions.

UNITED STATES GYPSUM CO — Type FC

5A. Fill, Void or Cavity Material* — Not Shown — Two component fill material used as an alternate to Item 5. Min 1 in. thickness of fill material applied within the annulus, flush with top side of floor or both surfaces of wall. Ready-mixed component mixed with accelerator component at a rate of 66 parts of ready-mixed component to 1 part accelerator component by weight in accordance with the accompanying installation instructions.

UNITED STATES GYPSUM CO — Type RFC

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

1* MAX. CORE SIZE PERMITTED SHALL BE 6"

7 PIPE THRU 1 & 2 HR. FIRE-RATED FLOOR
1 1/2" = 1'-0" SYSTEM NO. C-AJ-3045 (Cable)

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC. ___ FLS ___ SS ___
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM J. AMADOR RENEWAL JANUARY 31, 2019 STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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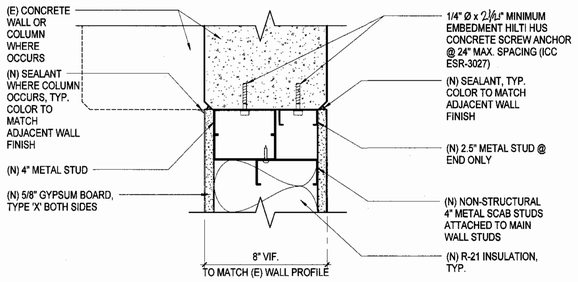
REVISIONS	DATE: 03/26/18
	DRAWN: MJQ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

FIRE-RATED CONTINUITY DETAILS

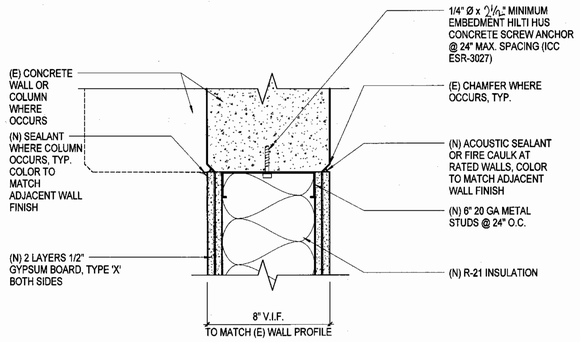
IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

A5.15B

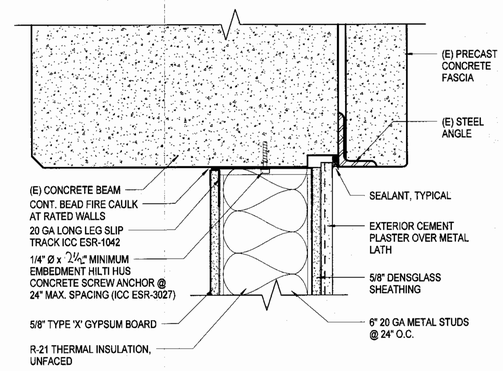
___ OF ___



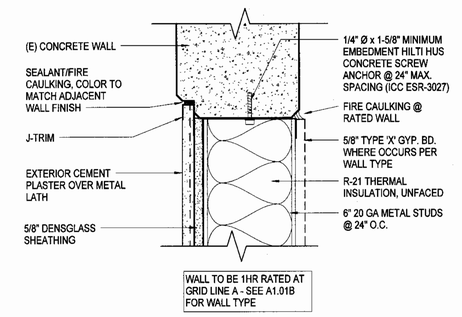
12 WALL TYPE 'O' INFILL JAMB @ GYM
3" = 1'-0"



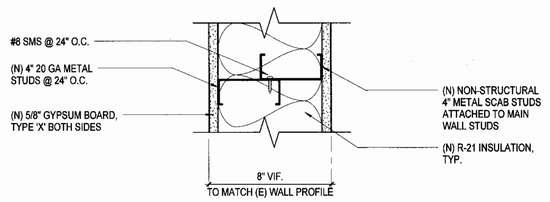
8 WALL TYPES 'P' & 'P1' INFILL @ JAMB (HEAD SIM)
3" = 1'-0"



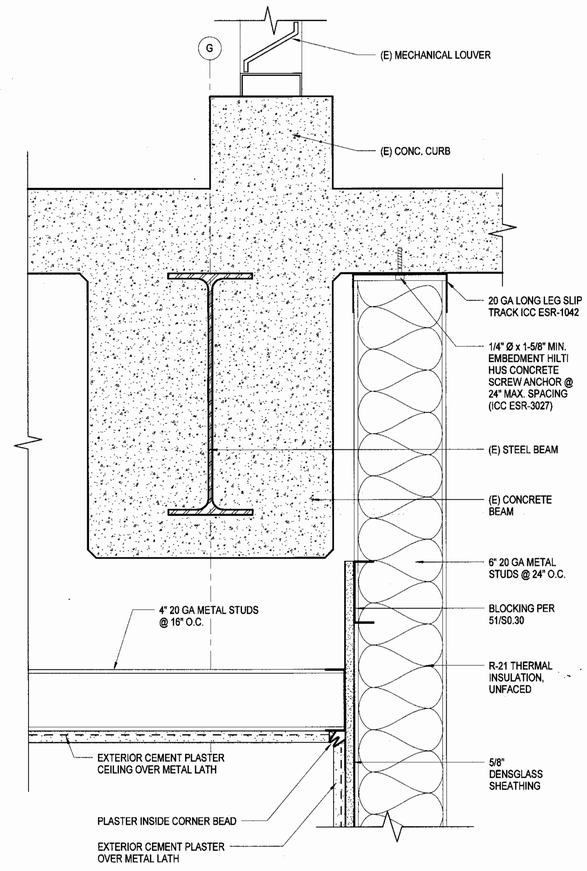
4 EXTERIOR WALL INFILL HEAD
3" = 1'-0"



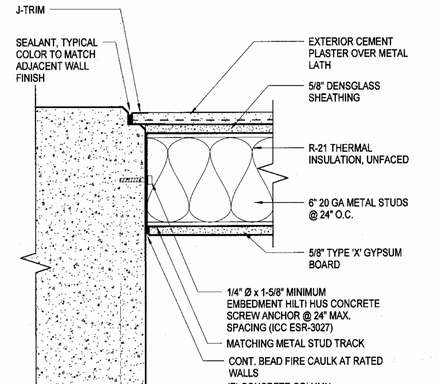
1 EXTERIOR WALL INFILL HEAD (JAMB SIM)
3" = 1'-0"



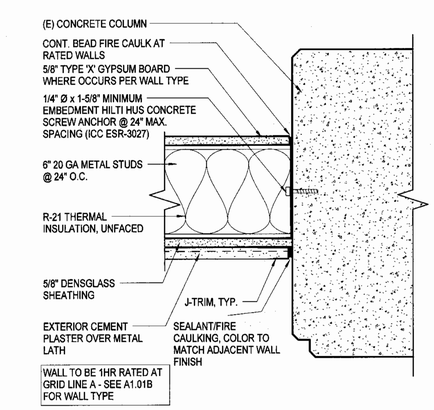
13 WALL TYPE 'O' INFILL - PLAN VIEW
3" = 1'-0"



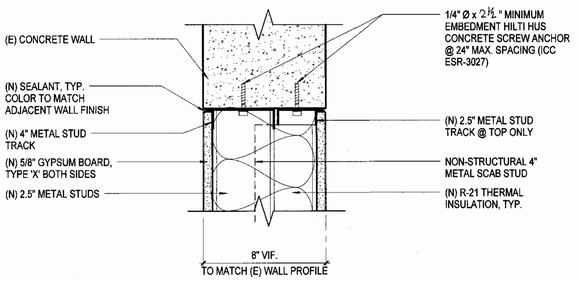
11 EXTERIOR WALL INFILL JAMB
3" = 1'-0"



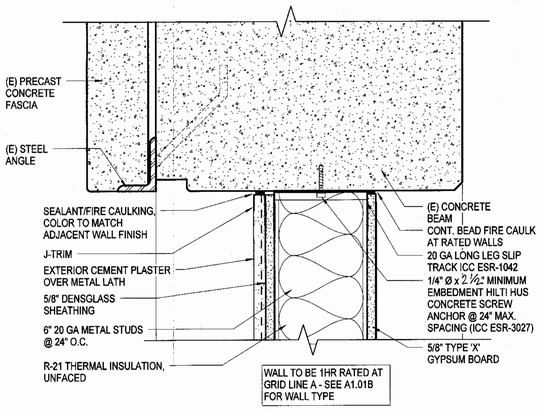
5 EXTERIOR WALL INFILL JAMB
3" = 1'-0"



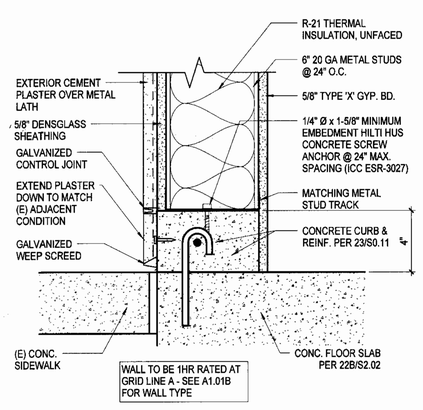
2 EXTERIOR WALL INFILL JAMB
3" = 1'-0"



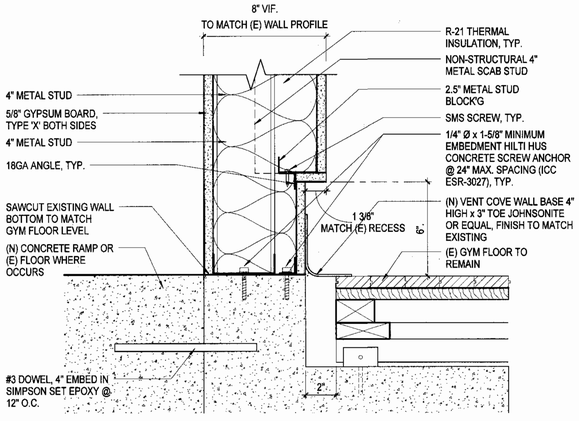
14 WALL TYPE 'O' INFILL HEAD @ GYM
3" = 1'-0"



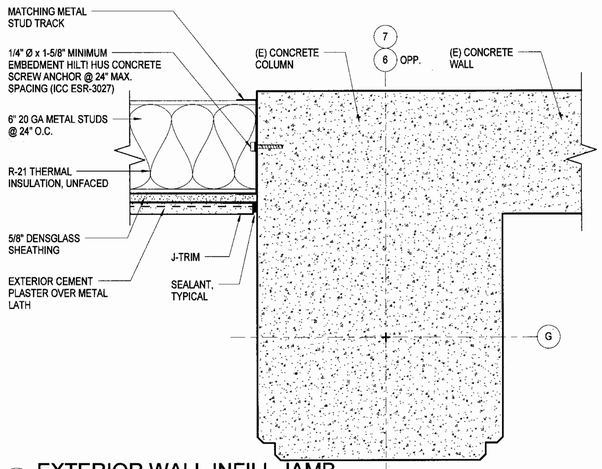
6 EXTERIOR WALL INFILL HEAD
3" = 1'-0"



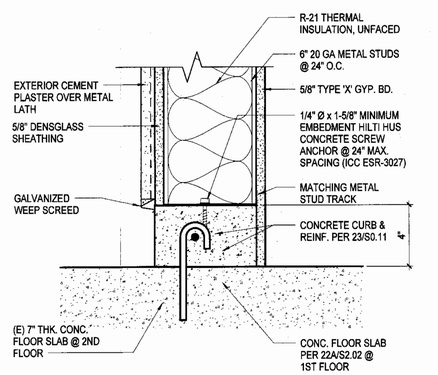
3 EXTERIOR WALL INFILL SILL - MATCH (E) FINISH
3" = 1'-0"



15 WALL TYPE 'O' INFILL SILL @ GYM
3" = 1'-0"



11 EXTERIOR WALL INFILL JAMB
3" = 1'-0"



7 CONCRETE CURB AT EXTERIOR WALL INFILL SILL
3" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT

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FILE NO. 56-C1
APPL. NO. 03-118379
AC. 10 FLS 24 SS 10
DATE 08-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH WHITTLE C-30046 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

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REVISIONS	DATE: 03/28/18
	DRAWN: MJQ/WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

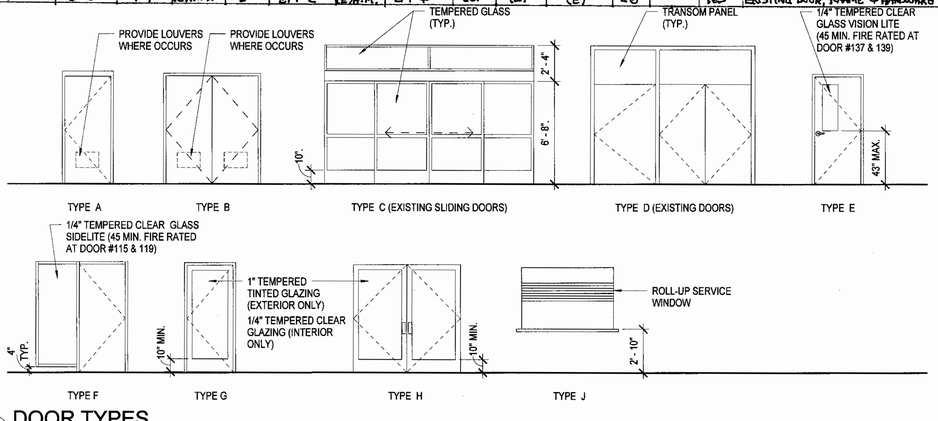
WALL INFILL DETAILS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

A5.16
___ OF ___

DOOR SCHEDULE

OPENING NUMBER	DOOR DIMENSION WIDTH	DOOR DIMENSION HEIGHT	DOOR DIMENSION THICK	DOOR MAT'L	DOOR TYPE	DOOR FINISH	FRAME MAT'L	FRAME FINISH	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	HDW SET	FIRE RATING	PANIC HDW	REMARKS
100A	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	7/A5.01	01			
100B	3' - 0"	7' - 0"	1 3/4"	AL. FR.	G	CLR ANOD	ALUM	CLR. ANOD	2/A5.01	2/A5.01	9/A5.03	02		Yes	
100C	6' - 0"	7' - 0"	1 3/4"	AL. FR.	H	CLR ANOD	ALUM	CLR. ANOD	8/A5.03	7/A5.03	9/A5.03	03		Yes	
100D	6' - 0"	7' - 0"	1 3/4"	AL. FR.	H	CLR ANOD	ALUM	CLR. ANOD	8/A5.03	7/A5.03	9/A5.03	03		Yes	
101A	6' - 0"	7' - 0"	1 3/4"	AL. FR.	H	CLR ANOD	ALUM	CLR. ANOD	8/A5.03	6/A5.03	9/A5.03	03		Yes	
101B	6' - 0"	7' - 0"	1 3/4"	AL. FR.	H	CLR ANOD	ALUM	CLR. ANOD	1/A5.01	4/A5.02	7/A5.01	04		Yes	
102A	3' - 0"	7' - 0"	1 3/4"	AL. FR.	G	CLR ANOD	ALUM	CLR. ANOD	8/A5.03	6/A5.03	9/A5.03	05			
102B	3' - 0"	7' - 0"	1 3/4"	AL. FR.	G	CLR ANOD	ALUM	CLR. ANOD	8/A5.03	6/A5.03	9/A5.03	05			
103A	3' - 0"	7' - 0"	1 3/4"	AL. FR.	G	CLR ANOD	ALUM	CLR. ANOD	8/A5.03	6/A5.03	9/A5.03	05			
103B	3' - 0"	7' - 0"	1 3/4"	AL. FR.	G	CLR ANOD	ALUM	CLR. ANOD	1/A5.01	1/A5.01	12/A5.01	06			
104	6' - 0"	7' - 0"	1 3/4"	AL. FR.	H	CLR ANOD	ALUM	CLR. ANOD	8/A5.03	7/A5.03	9/A5.03	03		Yes	
104A	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-?	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	07			
104B	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-?	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	08			
104C	3' - 0"	7' - 0"		-	-	-	ALUM	CLR. ANOD	8/A5.01	8/A5.01	10/A5.01	09			ALUM CASED OPENING
104D	3' - 0"	7' - 0"		-	-	-	ALUM	CLR. ANOD	8/A5.01	8/A5.01	10/A5.01	09			ALUM CASED OPENING
105	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	12/A5.01	10			
106A	3' - 0"	7' - 0"	1 3/4"	S.C. WD	E	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	12/A5.01 SIM.	11			
106B	3' - 0"	7' - 0"	1 3/4"	S.C. WD	E	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	15/A5.01 SIM.	11			
106C	6' - 0"	7' - 0"	1 3/4"	S.C. WD	B	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	12			PROVIDE DOOR CLOSER WITH HOLD-OPEN
106D	6' - 0"	7' - 0"	1 3/4"	S.C. WD	B	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	12			PROVIDE DOOR CLOSER WITH HOLD-OPEN
107	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	34	45 MIN		
108	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	10/A5.01	06			
109	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	10/A5.01	08			
110	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	34	45 MIN		
111	6' - 0"	7' - 0"	1 3/4"	AL. FR.	H	CLR ANOD	ALUM	CLR. ANOD	8/A5.03	7/A5.03	9/A5.03	03		Yes	
112	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	12/A5.01	10			
113	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	13			
113A	4' - 0"	7' - 0"		-	-	-	ALUM	CLR. ANOD	8/A5.01	8/A5.01	-	09			ALUM CASED OPENING
113B	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	14			
113C	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	15			PROVIDE KNOX ACCESS PER CFC 509.1
114	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	12/A5.01	01			
115	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	-	39	45 MIN	No	PROVIDE MAGNETIC HOLD-OPEN
116	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	08			
116A	3' - 0"	7' - 0"		-	-	-	ALUM	CLR. ANOD	8/A5.01	8/A5.01	10/A5.01	09			ALUM CASED OPENING
117	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	12/A5.01	10			
118	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	12/A5.01	10			
119	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	12/A5.01	35	45 MIN		
120	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	16			
120A	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	13			
120B	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	17			
120C	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	17			
121A	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	10/A5.01	13			
121B	3' - 0"	7' - 0"		-	-	-	ALUM	CLR. ANOD	8/A5.01	8/A5.01	10/A5.01	09			ALUM CASED OPENING
121C	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	13			
121D	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	13			
122	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	10/A5.01	18			
123A	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	10/A5.01	11			
123B	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	10/A5.01	14			
124A	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	10/A5.01	08			
124B	3' - 0"	7' - 0"	1 3/4"	AL. FR.	G	CLR ANOD	ALUM	CLR. ANOD	1/A5.01	4/A5.02	11/A5.01	17			
125	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	10			
125A	4' - 0"	6' - 0"		-	J	S.S.	S.S.	BRUSHED	14/A5.13	11/A5.04C	14/A5.13	19			ROLL-UP SERVICE WINDOW
125B	3' - 6"	7' - 0"		-	-	-	ALUM	CLR. ANOD	8/A5.01	8/A5.01	-	09			ALUM CASED OPENING
125C	4' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	H.M.	CLR. ANOD	8/A5.01	8/A5.01	-	36	45 MIN		180° SWING, PROVIDE MAGNETIC HOLD-OPEN
126	3' - 0"	7' - 0"	1 3/4"	AL. FR.	G	CLR ANOD	ALUM	CLR. ANOD	1/A5.01	1/A5.01	15/A5.01	08		Yes	
126A	6' - 0"	7' - 0"	1 3/4"	AL. FR.	H	CLR ANOD	ALUM	CLR. ANOD	2/A5.01	2/A5.01	9/A5.03	03		Yes	
126B	3' - 0"	7' - 0"	1 3/4"	AL. FR.	G	CLR ANOD	ALUM	CLR. ANOD	1/A5.01	4/A5.02	9/A5.01	20			
126C	3' - 0"	7' - 0"	1 3/4"	AL. FR.	G	CLR ANOD	ALUM	CLR. ANOD	1/A5.01	4/A5.02	9/A5.01	20			
126D	3' - 0"	7' - 0"	1 3/4"	AL. FR.	G	CLR ANOD	ALUM	CLR. ANOD	1/A5.01	4/A5.02	-	20			
127	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	12/A5.01	10			
128	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	12/A5.01	10			
129	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	12/A5.01	10			
130	6' - 0"	7' - 0"	1 3/4"	S.C. WD	B	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	7/A5.01	21			
131	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	7/A5.01	15			
132	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	22	90 MIN		
133	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	23			
134	4' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	24	45 MIN	Yes	
135	3' - 0"	7' - 0"	1 3/4"	H.M.	A	EPT-1	H.M.	EPT-1	5/A5.01	5/A5.01	6/A5.01	25			
136	3' - 0"	7' - 0"	1 3/4"	(E) H.M.	A	EPT-2	H.M.	EPT-4	(E)	(E)	(E)	26			EXISTING DOOR, FRAME & HARDWARE TO REMAIN
137	3' - 0"	7' - 0"	1 3/4"	S.C. WD	E	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	15/A5.01	37	45 MIN		
138	4' - 4"	7' - 0"	1 3/4"	S.C. WD	B	PL-1	ALUM	CLR. ANOD	1/A5.01	7/A5.04C	7/A5.01	27			UNEQUAL LEAF - 36" & 16" WIDE
139	3' - 0"	7' - 0"	1 3/4"	S.C. WD	E	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	15/A5.01	37	45 MIN	No	
140	6' - 0"	6' - 6"	1 3/4"	(E) H.M.	D	EPT-2	(E) H.M.	EPT-4	(E)	(E)	(E)	28		Yes	EXISTING DOOR, FRAME & HARDWARE TO REMAIN, PAINT DOOR INTERIOR FACE PT-6, DOOR INTERIOR FRAME PT-7, MODIFY DOOR ADJACENT TO STAIR TO OPEN 180°
141	6' - 0"	6' - 6"	1 3/4"	(E) H.M.	D	EPT-2	(E) H.M.	EPT-4	(E)	(E)	(E)	28		Yes	EXISTING DOOR, FRAME & HARDWARE TO REMAIN, PAINT DOOR INTERIOR FACE PT-6, DOOR INTERIOR FRAME PT-7
144	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	12/A5.01	10			
200A	6' - 0"	6' - 8"	1 3/4"	(E) AL. FR.	C	DRK BRZ ANOD	(E) ALUM	DRK BRZ ANOD	(E)	(E)	(E)	29		Yes	EXISTING DOOR, FRAME & HARDWARE TO REMAIN
200B	3' - 0"	7' - 0"	1 3/4"	AL. FR.	G	CLR ANOD	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	30	45 MIN		
200C	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	11			
201	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	13/A5.01	31	45 MIN		
203	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	14/A5.01	08			
204	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	14/A5.01	38	45 MIN		
205A	5' - 0"	7' - 0"		-	-	-	ALUM	CLR. ANOD	8/A5.01	8/A5.01	-	09			ALUM CASED OPENING
205B	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	40	45 MIN		PROVIDE MAGNETIC HOLD-OPEN
205C	3' - 0"	7' - 0"	1 3/4"	(E) H.M.	A	EPT-2	(E) H.M.	EPT-4	(E)	(E)	(E)	26			EXISTING DOOR, FRAME & HARDWARE TO REMAIN, PAINT DOOR INTERIOR FACE PT-6, DOOR INTERIOR FRAME PT-7
206A	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	14/A5.01	32		Yes	
206B	7' - 0"	7' - 0"	1 3/4"	(E) H.M.	B	EPT-2	(E) H.M.	EPT-4	(E)	(E)	(E)	28		Yes	EXISTING DOOR, FRAME & HARDWARE TO REMAIN, PAINT DOOR INTERIOR FACE PT-6
206C	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	14/A5.01	01			180° SWING
206D	7' - 0"	7' - 0"	1 3/4"	H.M.	B	EPT-2	H.M.	EPT-4	4/A5.01	4/A5.01	6/A5.01	33		Yes	PAINT DOOR INTERIOR FACE PT-6
207A	6' - 6"	6' - 8"	1 3/4"	(E) AL. FR.	C	DRK BRZ ANOD	(E) ALUM	DRK BRZ ANOD	(E)	(E)	(E)	29		Yes	EXISTING DOOR, FRAME & HARDWARE TO REMAIN
207B	3' - 0"	7' - 0"	1 3/4"	AL. FR.	G	CLR ANOD	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	30	45 MIN		
208	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	13/A5.01	31	45 MIN		
210	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	14/A5.01	08			
211A	5' - 0"	7' - 0"		-	-	-	ALUM	CLR. ANOD	8/A5.01	8/A5.01	-	09			ALUM CASED OPENING
211B	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	40	45 MIN		PROVIDE MAGNETIC HOLD-OPEN
211C	3' - 0"	7' - 0"	1 3/4"	(E) H.M.	A	EPT-2	(E) H.M.	EPT-4	(E)	(E)	(E)	26			EXISTING DOOR, FRAME & HARDWARE TO REMAIN, PAINT DOOR INTERIOR FACE PT-6, DOOR INTERIOR FRAME PT-7
212	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	14/A5.01	38	45 MIN		
213	3' - 0"	7' - 0"	1 3/4"	S.C. WD	F	PL-1	ALUM	CLR. ANOD	1/A5.01	4/A5.02	14/A5.01	32		Yes	
213A	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	14/A5.01	01			
213B	7' - 0"	7' - 0"	1 3/4"	(E) H.M.	B	EPT-2	(E) H.M.	EPT-4	(E)	(E)	(E)	28		Yes	EXISTING DOOR, FRAME & HARDWARE TO REMAIN, PAINT DOOR INTERIOR FACE PT-6
213C	7' - 0"	7' - 0"	1 3/4"	(E) H.M.	B	EPT-2	(E) H.M.	EPT-4	(E)	(E)	(E)	28		Yes	EXISTING DOOR, FRAME & HARDWARE TO REMAIN, PAINT DOOR INTERIOR FACE PT-6
230	3' - 0"	7' - 0"	1 3/4"	(E) H.M.	A	EPT-2	(E) H.M.	EPT-4	(E)	(E)	(E)	26			EXISTING DOOR, FRAME & HARDWARE TO REMAIN
231	3' - 0"	7' - 0"	1 3/4"	S.C. WD	A	PL-1	ALUM	CLR. ANOD	1/A5.01	1/A5.01	-	15			
301	6' - 0"	7' - 0"	1 3/4"	(E) S.C. WD	B	(E)	(E) H.M.	(E)	(E)	(E)	(E)	28			EXISTING DOOR, FRAME & HARDWARE TO REMAIN
302	3' - 0"	7' - 0"	1 3/4"	(E) H.M.	E	(E)	(E) H.M.	(E)	(E)	(E)	(E)	26			EXISTING DOOR, FRAME & HARDWARE TO REMAIN
302A	3' - 0"	7' - 0"	1 3/4"	(E) H.M.	E	(E)	(E) H.M.	(E)	(E)	(E)	(E)	26			EXISTING DOOR, FRAME & HARDWARE TO REMAIN
303	3' - 0"	7' - 0"	1 3/4"	H.M.	A	PT-1	H.M.	PT-1	3/A5.01	3/A5.01	-	41	45 MIN		180° SWING
140A	4'-0"	6'-6"	1¾"	(E)H.M.	D	EPT-2	(E)H.M.	EPT-4	(E)	(E)	(E)	28		YES	EXISTING DOOR, FRAME & HARDWARE TO REMAIN, PAINT DOOR INT. FACE PT-6, DOOR INT. FRAME PT-7
141A	4'-0"	6'-6"	1¾"	(E)H.M.	D	EPT-2	(E)H.M.	EPT-4	(E)	(E)	(E)	28		YES	EXISTING DOOR, FRAME & HARDWARE TO REMAIN, PAINT DOOR INT. FACE PT-6, DOOR INT. FRAME PT-7



DOOR TYPES
1/4" = 1'-0"

GENERAL DOOR NOTES

1. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE 1/2 INCH HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH SECTIONS 11B-302 AND 11B-303. C.B.C. 11B-404.2.5
2. DOORS WHERE INDICATED SHALL HAVE TEMPLATES FOR CARD KEY ACCESS CONTROL DEVICES.
3. DOORS WHERE INDICATED SHALL HAVE A WALL MOUNTED MAGNETIC HOLDER TIED INTO THE FIRE ALARM SYSTEM. SEE FIRE ALARM PLAN SHEETS FA1.03, FA1.04 & FA1.05
4. GLAZING WITHIN 24" OF DOORWAY/GLAZING WITHIN 18" OF FLOOR/GLAZING IN SHOWER AND BATHTUB DOORS AND ENCLOSURES SHALL BE TEMPERED. C.B.C. 2406
5. FIRE RATED GLAZING IN DOORS AND SIDELIGHTS SHALL COMPLY WITH C.B.C. 716.5.8
6. FIRE DOOR ASSEMBLIES SHALL BE LABELED BY AN APPROVED AGENCY. THE LABELS SHALL COMPLY WITH NFPA 80, AND SHALL BE PERMANENTLY AFFIXED TO THE DOOR OR FRAME. C.B.C. 716.5.7
7. FIRE DOORS SHALL BE LABELED SHOWING THE NAME OF THE MANUFACTURER, THE NAME OF THE THIRD-PARTY INSPECTION AGENCY, THE FIRE PROTECTION RATING AND, WHERE REQUIRED FOR FIRE DOORS IN EXIT ENCLOSURES AND EXIT PASSAGEWAYS BY SECTION 716.5.5, THE MAXIMUM TRANSMITTED TEMPERATURE END POINT. SMOKE AND DRAFT CONTROL DOORS COMPLYING WITH UL 1784 SHALL BE LABELED AS SUCH. LABELS SHALL BE APPROVED AND PERMANENTLY AFFIXED. THE LABEL SHALL BE APPLIED AT THE FACTORY OR LOCATION WHERE FABRICATION AND ASSEMBLY ARE PERFORMED. C.B.C. 716.5.7.1.

   EXCEPTION: DOORS WHICH ARE REQUIRED TO BE 45 MINUTES OR HIGHER, SHALL BE FIRE-RATED ASSEMBLIES OR CERTIFIED BY THE MANUFACTURER AS BEING EQUIVALENT TO THE REQUIRED STANDARD.

   OVERSIZED FIRE DOORS SHALL BEAR AN OVERSIZED FIRE DOOR LABEL BY AN APPROVED AGENCY OR SHALL BE PROVIDED WITH A CERTIFICATE OF INSPECTION FURNISHED BY AN APPROVING TESTING AGENCY. WHEN A CERTIFICATE OF INSPECTION IS FURNISHED BY AN APPROVED TESTING AGENCY, THE CERTIFICATE SHALL STATE THAT THE DOOR CONFORMS TO THE REQUIREMENTS OF DESIGN, MATERIALS AND CONSTRUCTION, BUT HAS NOT BEEN SUBJECTED TO THE FIRE TEST. C.B.C. 716.5.7.2.

   SMOKE AND DRAFT CONTROL DOORS COMPLYING WITH UL 1784 SHALL BE LABELED IN ACCORDANCE WITH SECTION 716.5.7.1 AND SHALL SHOW THE LETTER "S" ON THE FIRE RATING LABEL OF THE DOOR. THIS MARKING SHALL INDICATE THAT THE DOOR AND FRAME ASSEMBLY ARE IN COMPLIANCE WHEN LISTED OR LABELED GASKETING IS ALSO INSTALLED. C.B.C. 716.5.7.3.

   FIRE DOOR FRAMES SHALL BE LABELED SHOWING THE NAMES OF THE MANUFACTURER AND THE THIRD-PARTY INSPECTION AGENCY. C.B.C. 716.5.7.4
8. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH SECTION 11B-309.4. OPERABLE PARTS OF HARDWARE SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. C.B.C. 11B-404.2.7
9. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE ARE AS FOLLOWS:

   1. INTERIOR HINGED DOORS AND GATES: 5 POUNDS MAXIMUM.

   2. SLIDING OR FOLDING DOORS: 5 POUNDS MAXIMUM.

   3. REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.

   4. EXTERIOR HINGED DOORS: 5 POUNDS MAXIMUM.
10. STEEL DOORS SHALL BE UNDERCOATED AND FINISHED WITH SEMI-GLOSS ENAMEL PAINT.
11. ALL INTERIOR S.C. WOOD DOORS SHALL HAVE PLASTIC LAMINATE FINISH.
12. DOORS SERVING GROUP H OCCUPANCY AND DOORS SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE IN A GROUP A OCCUPANCY, ASSEMBLY AREA NOT CLASSIFIED AS AN ASSEMBLY OCCUPANCY, 'E', 'I-2' OR 'I-2.1' OCCUPANCIES SHALL NOT BE PROVIDED WITH A LATCH OR LOCK OTHER THAN PANIC HARDWARE OR FIRE EXIT HARDWARE.

    EXCEPTIONS:
    1. A MAIN EXIT OF A GROUP 'A' OCCUPANCY SHALL BE PERMITTED TO BE LOCKING IN ACCORDANCE WITH SECTION 1010.1.9.3, ITEM 2.

    2. DOORS SERVING A GROUP A OR E OCCUPANCY SHALL BE PERMITTED TO BE ELECTROMAGNETICALLY LOCKED IN ACCORDANCE WITH SECTION 1010.1.9.9.

    ELECTRICAL ROOMS WITH EQUIPMENT RATED 800-AMPERES OR MORE AND OVER 6 FEET WIDE, AND THAT CONTAIN OVERCURRENT DEVICES, SWITCHING DEVICES OR CONTROL DEVICES WITH EXIT OR EXIT ACCESS DOORS, SHALL BE EQUIPPED WITH PANIC HARDWARE OR FIRE EXIT HARDWARE. THE DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL. CBC SECTION 1010.1.10
13. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34" MINIMUM AND 48" MAXIMUM ABOVE THE FINISHED FLOOR. LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED AT ANY HEIGHT. CBC SECTION1010.1.9.1
14. LOCKS AND LATCHES SHALL BE PERMITTED TO PREVENT OPERATION OF DOORS WHERE ANY OF THE FOLLOWING EXIST:

    1. PLACES OF DETENTION OR RESTRAINT.

    2. IN BUILDINGS IN OCCUPANCY GROUP-A HAVING AN OCCUPANT LOAD OF 300 OR LESS, GROUP B, F, M AND S, AND IN PLACES OF RELIGIOUS WORSHIP, THE MAIN EXTERIOR DOOR OR DOORS ARE PERMITTED TO BE EQUIPPED WITH KEY-OPERATED LOCKING DEVICES FROM THE EGRESS SIDE PROVIDED:

    2.1. THE LOCKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED,
    2.2. A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: THIS DOOR TO REMAIN UNLOCKED WHEN THE BUILDING IS OCCUPIED. THE SIGN SHALL BE IN LETTERS 1 INCH HIGH ON A CONTRASTING BACKGROUND,
    2.3. THE USE OF THE KEY-OPERATED DEVICE IS REVOKABLE BY THE BUILDING OFFICIAL FOR DUE CAUSE. CBC 1010.1.9.3
15. SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED. CBC 11B-404.2.10
16. PIVOT OR SIDE-HINGED SWINGING DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING A ROOM OR AREA CONTAINING AN OCCUPANT LOAD OF 50 OR MORE PERSONS OR A GROUP H OCCUPANCY. CBC 1010.1.2.1

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC. FLS ZM SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM J. WHITTLE C 20348 EXPIRES JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

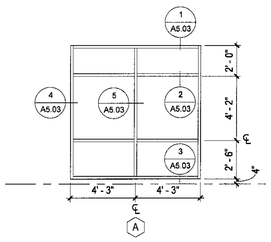
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

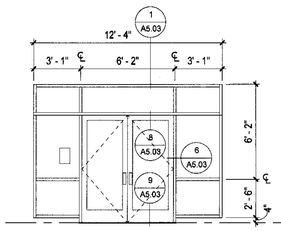
7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

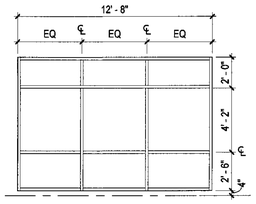
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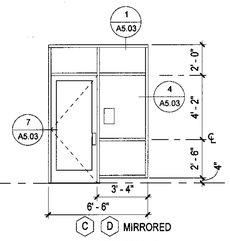
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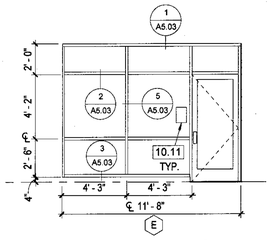
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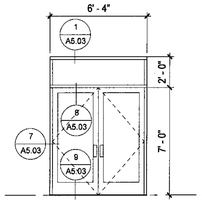
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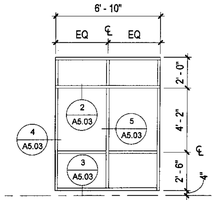
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EXTERIOR STOREFRONT



E
EXTERIOR STOREFRONT

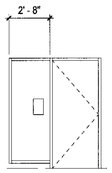


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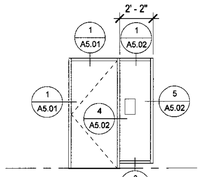


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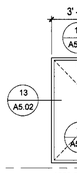
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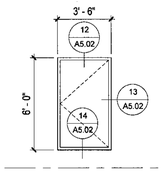
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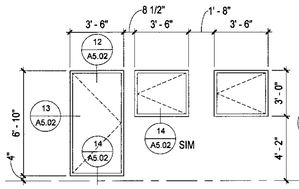
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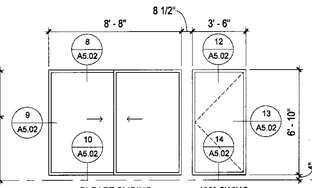
180° SWING
M
INTERIOR DISPLAY



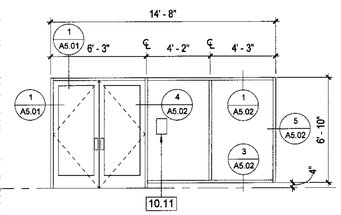
180° SWING
N P MIRRORED
INTERIOR DISPLAY



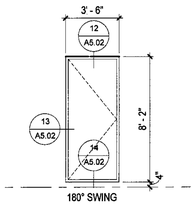
180° SWING ALL
Q R MIRRORED
INTERIOR DISPLAY



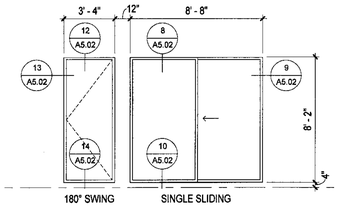
BI-PART SLIDING
180° SWING
S
INTERIOR DISPLAY



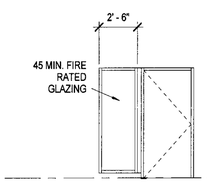
T
INTERIOR WINDOW



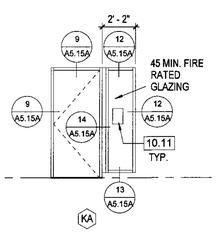
180° SWING
U V MIRRORED
INTERIOR DISPLAY



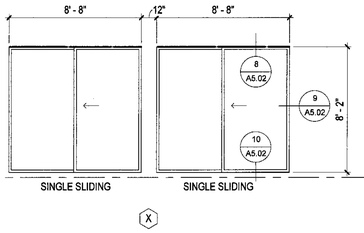
180° SWING
SINGLE SLIDING
W
INTERIOR DISPLAY



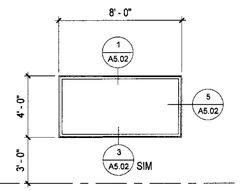
HA
INTERIOR WINDOW
45 MIN. FIRE RATED



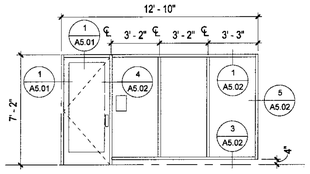
KA
INTERIOR WINDOW
45 MIN. FIRE RATED



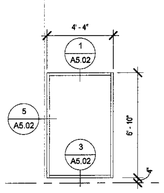
X
INTERIOR DISPLAY



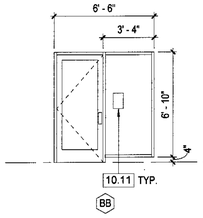
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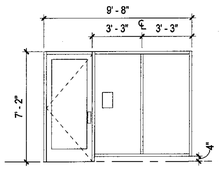
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INTERIOR WINDOW



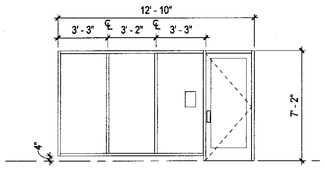
AA
INTERIOR WINDOW



BB
INTERIOR WINDOW

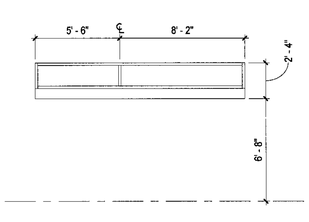


CC
INTERIOR WINDOW

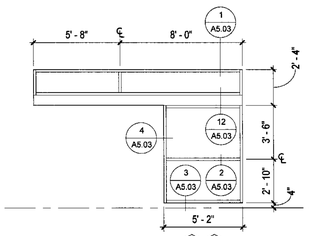


DD
INTERIOR WINDOW

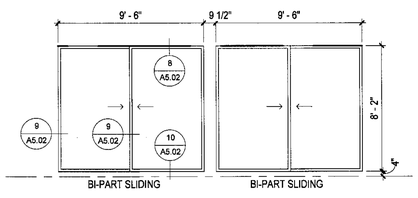
Level 1A
0' - 0"



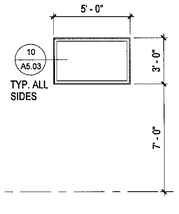
EE EA MIRRORED
EXTERIOR STOREFRONT



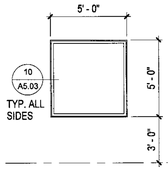
FF GG MIRRORED
EXTERIOR STOREFRONT



HH
INTERIOR DISPLAY



JJ
EXTERIOR WINDOW



KK
EXTERIOR WINDOW

Level 2
13' - 0"

WINDOW SCHEDULE

MARK	QUANTITY	TYPE	HARDWARE	COMMENTS
A	1	EXTERIOR STOREFRONT	N/A	
B	1	EXTERIOR STOREFRONT	N/A	
BA	1	EXTERIOR STOREFRONT	N/A	
C	1	EXTERIOR STOREFRONT	N/A	
D	1	EXTERIOR STOREFRONT	N/A	
E	1	EXTERIOR STOREFRONT	N/A	
F	4	EXTERIOR STOREFRONT	N/A	
G	1	EXTERIOR STOREFRONT	N/A	
H	4	INTERIOR WINDOW	N/A	
HA	1	INTERIOR WINDOW	N/A	45 MIN. FIRE-RATED ASSEMBLY
J	3	INTERIOR WINDOW	N/A	
K	1	INTERIOR WINDOW	N/A	
KA	1	INTERIOR WINDOW	N/A	45 MIN. FIRE-RATED ASSEMBLY
L	1	INTERIOR WINDOW	N/A	
M	1	INTERIOR DISPLAY	FLUSH MOUNTED HANDLE W/ CONCEALED LOCKING SYSTEM	
N	1	INTERIOR DISPLAY	FLUSH MOUNTED HANDLE W/ CONCEALED LOCKING SYSTEM	
P	1	INTERIOR DISPLAY	FLUSH MOUNTED HANDLE W/ CONCEALED LOCKING SYSTEM	
Q	1	INTERIOR DISPLAY	FLUSH MOUNTED HANDLE W/ CONCEALED LOCKING SYSTEM	
R	1	INTERIOR DISPLAY	FLUSH MOUNTED HANDLE W/ CONCEALED LOCKING SYSTEM	
S	1	INTERIOR DISPLAY	FLUSH MOUNTED HANDLE W/ CONCEALED LOCKING SYSTEM	
T	1	INTERIOR WINDOW	N/A	
U	2	INTERIOR DISPLAY	FLUSH MOUNTED HANDLE W/ CONCEALED LOCKING SYSTEM	
V	1	INTERIOR DISPLAY	FLUSH MOUNTED HANDLE W/ CONCEALED LOCKING SYSTEM	
W	1	INTERIOR DISPLAY	FLUSH MOUNTED HANDLE W/ CONCEALED LOCKING SYSTEM	
X	1	INTERIOR DISPLAY	FLUSH MOUNTED HANDLE W/ CONCEALED LOCKING SYSTEM	
Y	1	INTERIOR WINDOW	N/A	
Z	1	INTERIOR WINDOW	N/A	
AA	1	INTERIOR WINDOW	N/A	
BB	1	INTERIOR WINDOW	N/A	
CC	1	INTERIOR WINDOW	N/A	
DD	1	INTERIOR WINDOW	N/A	
EE	1	EXTERIOR STOREFRONT	N/A	
EA	1	EXTERIOR STOREFRONT	N/A	
FF	1	EXTERIOR STOREFRONT	N/A	
GG	1	EXTERIOR STOREFRONT	N/A	
HH	2	INTERIOR DISPLAY	FLUSH MOUNTED HANDLE W/ CONCEALED LOCKING SYSTEM	
JJ	6	EXTERIOR WINDOW	N/A	
KK	6	EXTERIOR WINDOW	N/A	

GENERAL NOTES FOR EXTERIOR STOREFRONT & EXTERIOR WINDOWS

STOREFRONT GLAZING SHALL CONSIST OF:
- ANODIZED ALUMINUM STOREFRONT WITH THERMAL BREAK FRAME, FOR COLOR SEE BELOW
- 1" THICK INSULATED GLASS UNIT, LOW-E BY PPG
  - OUTER LITE: 1/4" SOLARBAN 70XL (2) OPTIGRAY (PALE GRAY TINT)
  - INNER LITE: 1/4" CLEAR (FOR OPAQUE GLAZING, USE 1/4" OBSCURE GLASS)
  - 47% VISIBLE LIGHT TRANSMITTANCE (VLT)
  - 0.26 U-VALUE (WINTER: 0.28)
  - 0.24 SOLAR HEAT GAIN COEFFICIENT (SHGC)

THE FOLLOWING PRODUCTS WERE USED AS THE BASIS FOR DESIGN. OTHER MANUFACTURERS WITH PRODUCT EQUAL IN QUALITY AND MEETING THE DESIGN INTENT ARE ACCEPTABLE.

1) STOREFRONT SYSTEM:
   ARCADIA TC470 SERIES (THERMAL) , 2 1/4" x 4 1/2" OFFSET GLAZED SYSTEM FOR 1" GLASS, FINISH - DARK BRONZE ANODIZED ALUMINUM @ SECOND FLOOR, CLEAR ANODIZED ALUMINUM @ FIRST FLOOR

2) EXTERIOR WINDOWS
   ARCADIA TC470 SERIES (THERMAL) , 2 1/4" x 4 1/2" OFFSET GLAZED SYSTEM FOR 1" GLASS, FINISH - CLEAR ANODIZED ALUMINUM

GLAZING IN THE FOLLOWING LOCATIONS SHALL BE OF SAFETY GLAZING MATERIAL IN ACCORDANCE WITH 2013 CBC, SECTION 2406.4:

1) GLAZING IN INGRESS AND EGRESS DOORS.
2) GLAZING IN FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN 24 INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE.
3) GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
   3.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ. FT.
   3.2 EXPOSED BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR.
   3.3 EXPOSED TOP EDGE GREATER THAN 36 INCHES ABOVE THE FLOOR.
   3.4 ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE PLANE OF THE GLAZING.

VERIFY ALL DIMENSIONS IN FIELD.

GLASS SHALL BE FIRMLY SUPPORTED ON ALL FOUR EDGES UNLESS DETAILED CONSTRUCTION DOCUMENTS PREPARED BY A REGISTERED DESIGN PROFESSIONAL ARE SUBMITTED. CBC 2403.2

GENERAL NOTES FOR INTERIOR WINDOWS & INTERIOR DISPLAY WINDOWS & DOORS

THE FOLLOWING PRODUCTS WERE USED AS THE BASIS FOR DESIGN. OTHER MANUFACTURERS WITH PRODUCT EQUAL IN QUALITY AND MEETING THE DESIGN INTENT ARE ACCEPTABLE.

1) INTERIOR WINDOWS & DOORS:
   WESTERN INTEGRATED MATERIALS, INC., 300 AND 400 SERIES
   1/4" CLEAR GLASS - CLEAR ANODIZED ALUMINUM FINISH

2) INTERIOR DISPLAY WINDOWS:
   WESTERN WINDOWS SYSTEMS SERIES 670
   CLEAR GLASS, DUAL GLAZED - CLEAR ANODIZED ALUMINUM FINISH

3) INTERIOR DISPLAY SLIDING DOORS:
   WESTERN WINDOWS SYSTEMS SERIES 600
   CLEAR GLASS, DUAL GLAZED - CLEAR ANODIZED ALUMINUM FINISH

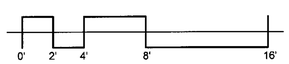
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1) GLAZING IN INGRESS AND EGRESS DOORS.
2) GLAZING IN FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN 24 INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE.
3) GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
   3.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ. FT.
   3.2 EXPOSED BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR.
   3.3 EXPOSED TOP EDGE GREATER THAN 36 INCHES ABOVE THE FLOOR.
   3.4 ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE PLANE OF THE GLAZING.

VERIFY ALL DIMENSIONS IN FIELD.

GLAZING AND FRAME EXTRUSIONS/ASSEMBLY SHALL BE FIRE RATED WHERE INDICATED

GLASS SHALL BE FIRMLY SUPPORTED ON ALL FOUR EDGES UNLESS DETAILED CONSTRUCTION DOCUMENTS PREPARED BY A REGISTERED DESIGN PROFESSIONAL ARE SUBMITTED. CBC 2403.2



KEYNOTES

10.11 (N) SIGNAGE - SEE SHEETS A7.01 THRU A7.04

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH WHITTLE C-30348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

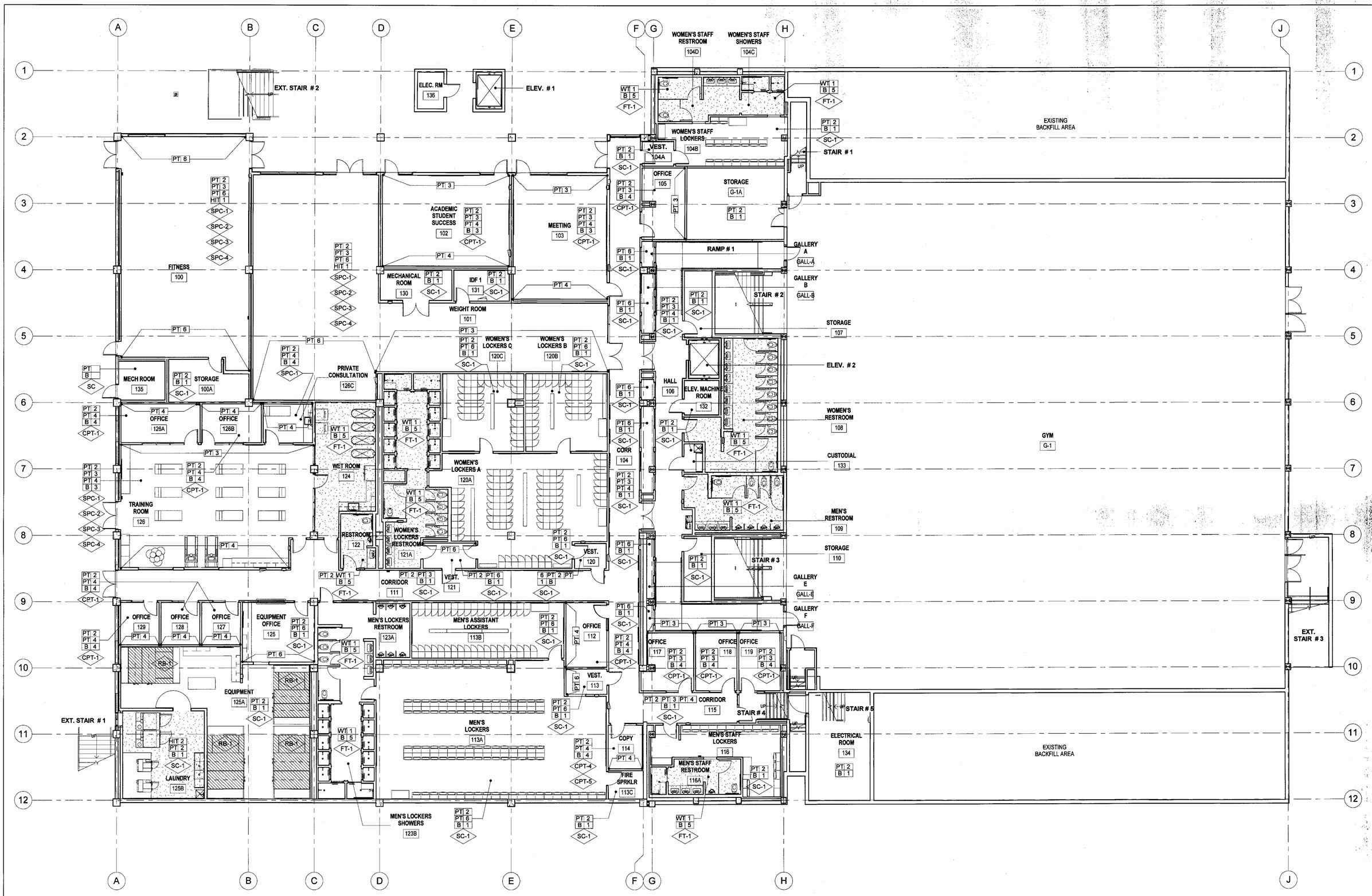
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REVISIONS	DATE: 03/26/18
	DRAWN: WTJ/ VA/ MJQ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

WINDOW SCHEDULE

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A6.02
__ OF __



1 FIRST FLOOR - FINISH PLAN

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

LEGEND

- INDICATES EXTENT OF NEW NON-STRUCTURAL CONCRETE TOPPING SLAB SEE DETAIL 15/S0.11. SLOPE TOPPING SLAB TO FLOOR DRAINS WHERE APPLICABLE.
- INDICATES EXTENT OF 3/4" FIRE RESISTANT RAISED FLOORING, PROVIDED & INSTALLED BY MOBILE SHELVING COMPANY. SEE DETAIL 3/A3.0 ON SHEET A5.15. PROVIDE ACCESS RAMPS WHERE INDICATED ON DETAIL 1/A1.0 ON SHEET A5.14
- WT 1 / B 5 / FT-1 — INDICATES FINISH MATERIALS - SEE SHEET A6.06 FOR MATERIALS LIST

GENERAL NOTES - INTERIOR FINISHES

1. ALL INTERIOR WALLS WITHIN SCOPE OF WORK ARE TO BE PAINTED PT-2, UNLESS NOTED OTHERWISE.
2. SEE INTERIOR ELEVATIONS FOR PAINT BOUNDARY LINES.
3. SEE SHEET A6.06 FOR MATERIAL FINISHES.
4. ALL EXPOSED CEILINGS & DUCTWORK WITHIN SCOPE OF WORK ARE TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.
5. WHERE EXISTING CONCRETE FLOORS ARE TO REMAIN INCLUDING CONCRETE STAIRS, PREP SURFACE AND CLEAN AS REQUIRED BY SPECIFICATIONS. PATCH & REPAIR AS NEEDED.
6. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH CBC & CFC SECTION 803 AND TABLE 803.3
7. G.C. SHALL PATCH & REPAIR ALL EXISTING VISIBLE SURFACES TO REMAIN INSIDE THE BUILDING AND PAINT IN ACCORDANCE WITH PAINTING SCHEDULE IN SPEC SECTION 09 9000.
8. EXISTING EXPOSED CONCRETE FLOORS AND STAIRS TO REMAIN ARE TO BE CLEANED AND STAINED WITH MATERIAL SC-1 ON SHEET A6.06 (MECH EQ. ROOM 303 IS EXCEPTED).

CONSULTANT

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REVISIONS

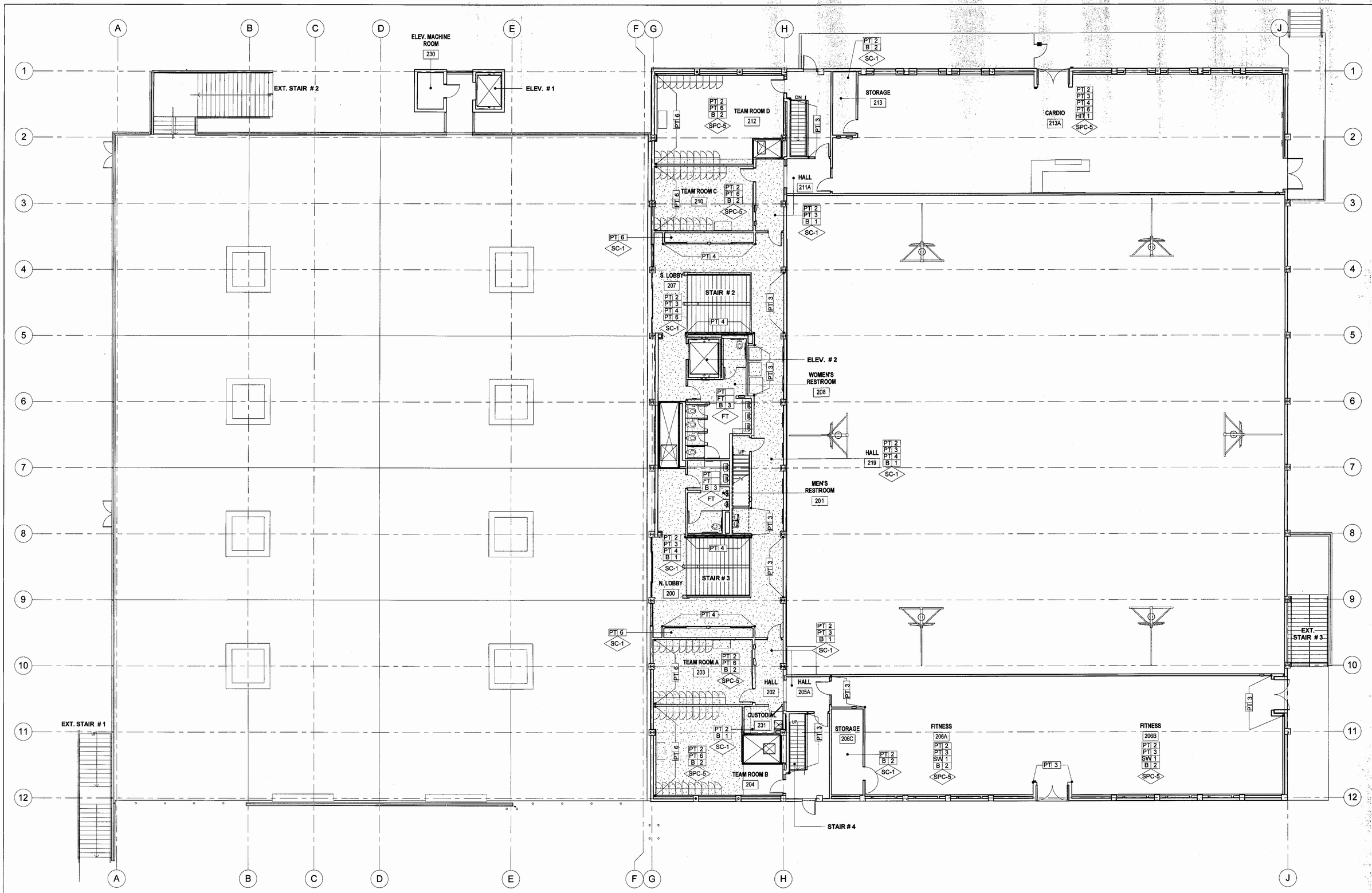
DATE: 03/26/18
DRAWN: TJL/WTJ/ RJF
CHECK: RJF/WJA
JOB NO: 16-MPC-023

FIRST FLOOR FINISH PLAN

A6.03

___ OF ___

IF THIS SHEET IS NOT 36" X 48", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY



1 SECOND FLOOR - FINISH PLAN
1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

LEGEND

INDICATES EXTENT OF NEW NON-STRUCTURAL CONCRETE TOPPING SLAB SEE DETAIL 15/S0.11. SLOPE TOPPING SLAB TO FLOOR DRAINS WHERE APPLICABLE.

WT 1 / B 5 / FT-1 — INDICATES FINISH MATERIALS - SEE SHEET A6.06 FOR MATERIALS LIST

GENERAL NOTES - INTERIOR FINISHES

1. ALL INTERIOR WALLS WITHIN SCOPE OF WORK ARE TO BE PAINTED PT-2, UNLESS NOTED OTHERWISE.
2. SEE INTERIOR ELEVATIONS FOR PAINT BOUNDARY LINES.
3. SEE SHEET A6.06 FOR MATERIAL FINISHES.
4. ALL EXPOSED CEILINGS & DUCTWORK WITHIN SCOPE OF WORK ARE TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.
5. WHERE EXISTING CONCRETE FLOORS ARE TO REMAIN INCLUDING CONCRETE STAIRS, PREP SURFACE AND CLEAN AS REQUIRED BY SPECIFICATIONS. PATCH & REPAIR AS NEEDED.
6. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH CBC & CFC SECTION 803 AND TABLE 803.3
7. G.C. SHALL PATCH & REPAIR ALL EXISTING VISIBLE SURFACES TO REMAIN INSIDE THE BUILDING AND PAINT IN ACCORDANCE WITH PAINTING SCHEDULE IN SPEC SECTION 09 9000.
8. EXISTING EXPOSED CONCRETE FLOORS AND STAIRS TO REMAIN ARE TO BE CLEANED AND STAINED WITH MATERIAL SC-1 ON SHEET A6.06 (MECH EQ. ROOM 303 IS EXCEPTED).

CONSULTANT

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AC A FLS SS
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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSE AMADOR C-25348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

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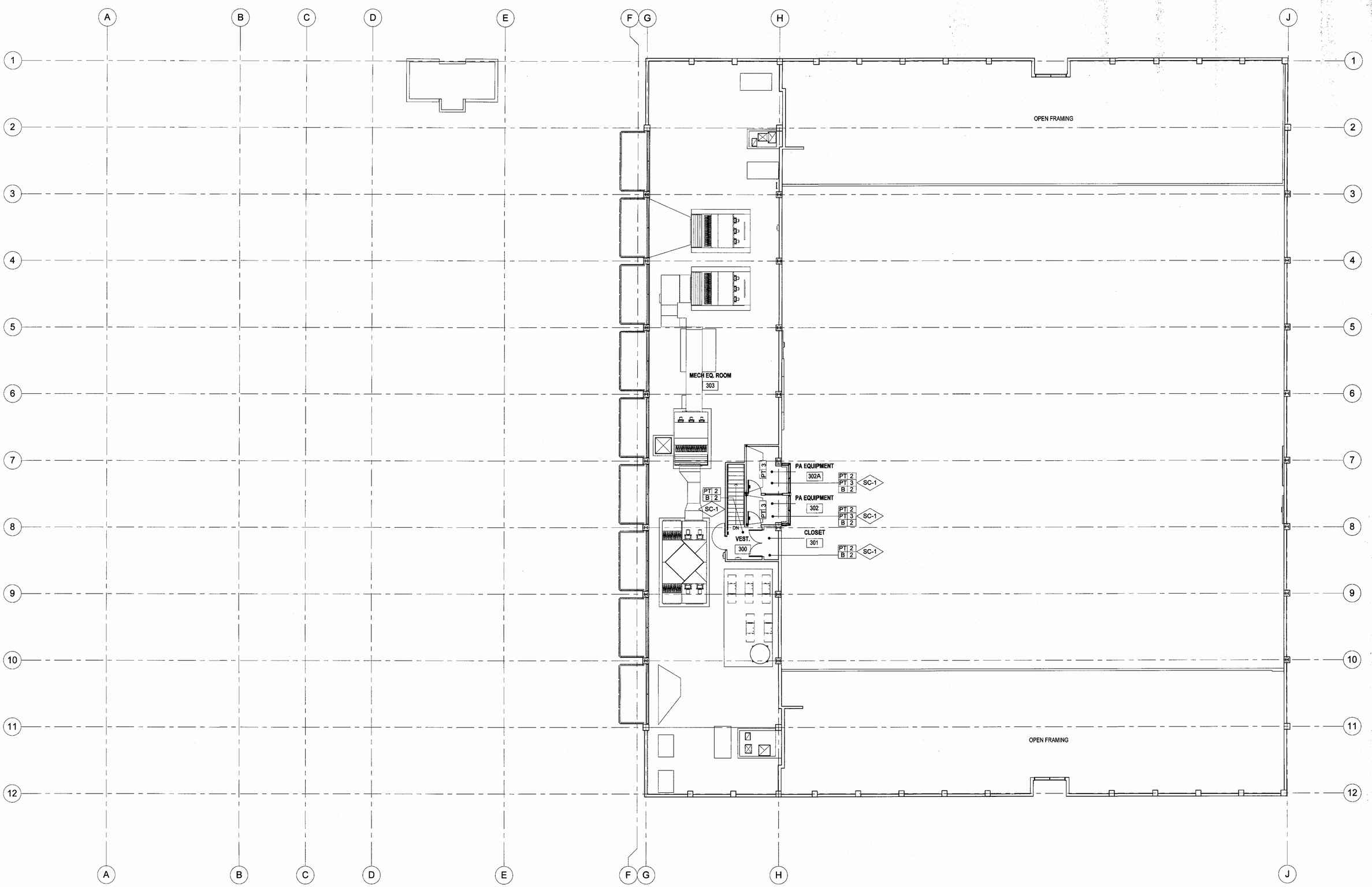
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REVISIONS	DATE: 03/26/18
	DRAWN: TJL/WTJ/RJF
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

SECOND FLOOR FINISH PLAN

A6.04

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY



1 MECHANICAL MEZZANINE - FINISH PLAN

1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

LEGEND

WT 1 / B 5 / FT-1 — INDICATES FINISH MATERIALS - SEE SHEET A6.06 FOR MATERIALS LIST

GENERAL NOTES - INTERIOR FINISHES

1. ALL INTERIOR WALLS WITHIN SCOPE OF WORK ARE TO BE PAINTED PT-2, UNLESS NOTED OTHERWISE.
2. SEE INTERIOR ELEVATIONS FOR PAINT BOUNDARY LINES.
3. SEE SHEET A6.06 FOR MATERIAL FINISHES.
4. ALL EXPOSED CEILINGS & DUCTWORK WITHIN SCOPE OF WORK ARE TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.
5. WHERE EXISTING CONCRETE FLOORS ARE TO REMAIN INCLUDING CONCRETE STAIRS, PREP SURFACE AND CLEAN AS REQUIRED BY SPECIFICATIONS. PATCH & REPAIR AS NEEDED.
6. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH CBC & CFC SECTION 803 AND TABLE 803.3
7. G.C. SHALL PATCH & REPAIR ALL EXISTING VISIBLE SURFACES TO REMAIN INSIDE THE BUILDING AND PAINT IN ACCORDANCE WITH PAINTING SCHEDULE IN SPEC SECTION 09 9000.
8. EXISTING EXPOSED CONCRETE FLOORS AND STAIRS TO REMAIN ARE TO BE CLEANED AND STAINED WITH MATERIAL SC-1 ON SHEET A6.06 (MECH EQ. ROOM 303 IS EXCEPTED).

CONSULTANT

DIVISION OF THE STATE ARCHITECT

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FILE NO. 56-C1
APPL. NO. 03-118379
ACC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT — RICHARD J. FORD — C-20348 — JANUARY 31, 2019 RENEWAL DATE — STATE OF CALIFORNIA

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MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: TJL/WTJ/RJF
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

MECHANICAL MEZZANINE FINISH PLAN

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A6.05

___ OF ___

MATERIALS LIST

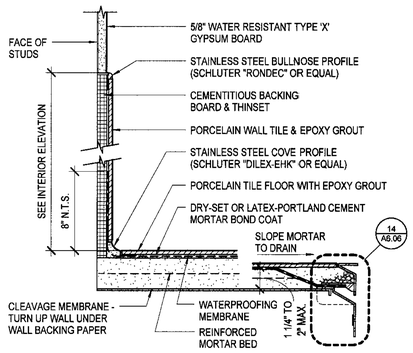
TAG	MATERIAL	MANUFACTURER	STYLE	COLOR	REMARKS
AC-1	ACOUSTIC TILE	ROCKFON	24" x 24" ALASKA CDX 10600	WHITE 01	ALL CORRIDORS & HALLS U.N.O.
AC-2	ACOUSTIC TILE	ROCKFON	24" x 24" ALASKA SCD 10550	WHITE 01	SUSPENSION SYSTEM COLOR: SATIN SILVER 44
AC-3	ACOUSTIC TILE	ARMSTRONG/ ACOUSTHETICS	24" x 48" MESA SECOND LOOK - SCORED 688	WHITE	FACE TILE EQUALS ARMSTRONG MESA SECOND LOOK W/ KINETICS QUIET TILE BACKING BY ACOUSTHETICS. SUSPENSION SYSTEM COLOR: WHITE 37
AC-4	ACOUSTIC TILE	ROCKFON	24" x 24" ALASKA SLN 10200	WHITE 01	SUSPENSION SYSTEM COLOR: SATIN SILVER 44
AL-1	ALUMINUM	-	ANODIZED	CLEAR	SEE EXTERIOR ELEVATIONS FOR LOCATIONS
AL-2	ALUMINUM	-	ANODIZED	DARK BRONZE	SEE EXTERIOR ELEVATIONS FOR LOCATIONS
B-1	RUBBER BASE	ROPPE	PINNACLE STANDARD TOE BASE	197 ICEBERG	
B-2	RUBBER BASE	ROPPE	PINNACLE STANDARD TOE BASE	100 BLACK	
B-3	RUBBER BASE	ROPPE	PINNACLE NO TOE BASE	100 BLACK	
B-4	RUBBER BASE	ROPPE	PINNACLE NO TOE BASE	197 ICEBERG	
B-5	STAINLESS STEEL BASE	SCHLUTER	DILEX-HKS	PG CLASSIC GREY	
CPT-1	CARPET	BOYLU	TEMPO	TMP05 PIANO CONCERTO	INSTALLED 1/4 TURN
EPT-1	EXTERIOR PAINT	DUNN EDWARDS	SEMI-GLOSS	SAHARA DEC747	EXTERIOR WALLS, EXTERIOR ELEVATOR
EPT-2	EXTERIOR PAINT	DUNN EDWARDS	SEMI-GLOSS	PRACTICAL TAN DE6115	EXTERIOR H.M.DOORS
EPT-3	EXTERIOR PAINT	DUNN EDWARDS	SEMI-GLOSS	WHISPER DEW340	EXTERIOR COLUMNS, BEAMS & FASCIAS
EPT-4	EXTERIOR PAINT	DUNN EDWARDS	SEMI-GLOSS	MOLASSES DE6399	EXTERIOR H.M. DOOR FRAMES
EPT-5	EXTERIOR PAINT	MODERN MASTERS	SEMI-GLOSS	METALLIC SILVER ME150	STAIR RAILINGS, HANDRAILS & GUARDRAILS
FT-1	PORCELAIN TILE	PENTAL	12"x24" NATURAL	NERO CPI00753	CONTRACTOR TO CUT TILE TO 12"x12" FOR USE ON FLOOR
HIT-1	HIGH IMPACT THERMOPLASTIC	MDC WALLCOVERINGS	KENAI	ECCOFLEX BLACK DWP2023	
HIT-2	HIGH IMPACT THERMOPLASTIC	MDC WALLCOVERINGS	FLAT SHEET	PAINTABLE DWF01211	
HPL-1	HIGH DEFINITION POLYETHYLENE PLASTIC	BRADLEY	NA	BLACK R205	STANDARD AND GEAR LOCKERS COLOR, EXCEPTION: MEN & WOMEN STAFF LOCKERS
HPL-2	HIGH DEFINITION POLYETHYLENE PLASTIC	BRADLEY	NA	DEEP BLUE S203	MEN & WOMEN STAFF GEAR LOCKERS
PL-1	PLASTIC LAMINATE	WILSON ART	FINE VELVET FINISH	PINNACLE WALNUT 7992-38	CASEWORK & DOOR SURFACES
PP-1	PERFORATED PANEL	A. ZAHNER CO.	IMAGEWALL - SCREEN	ANODIZED ALUMINUM - CLEAR	
PT-1	INTERIOR PAINT	DUNN EDWARDS	EGGSHELL	COOL DECEMBER DEW383	
PT-2	INTERIOR PAINT	DUNN EDWARDS	EGGSHELL	DROPLETS DEW381	
PT-3	INTERIOR PAINT	DUNN EDWARDS	EGGSHELL	SANCTUARY SPA DE5843	
PT-4	INTERIOR PAINT	DUNN EDWARDS	EGGSHELL	WALRUS DE6368	
PT-5	INTERIOR PAINT	DUNN EDWARDS	EGGSHELL	LEGENDARY GRAY DE6369	
PT-6	INTERIOR PAINT	DUNN EDWARDS	EGGSHELL	AMERICANA DE5845	
PT-7	INTERIOR PAINT	DUNN EDWARDS	EGGSHELL	BLACK DEA187	GYM G-1 DOORS 140 AND 141 INTERIOR FRAMES
RB-1	RUBBER SHEET FLOORING	ROPPE	ENVIRE SMOOTH	S174 SMOKE	USE 174 SMOKE WELDING BEAD
SC-1	PENETRATING SEALER OVER CONCRETE STAIN	ECO SAFETY PRODUCTS	ACRISOY PENETRATING SEALER OVER SOYCRETE STAIN	CLEAR OVER CHARCOAL BLACK STAIN	NON-SLIP FINISH
SPC-1	SPORTS CUSHION	OPTI-FIT	ECORE - BEAST	BLUE JAYS ES103	10.5MM x 48" ROLLS
SPC-2	SPORTS CUSHION	OPTI-FIT	ECORE - BEAST	BASIC BLACK ES00	10.5MM x 48" ROLLS
SPC-3	SPORTS CUSHION	OPTI-FIT	ECORE - BEAST	BLUE ES500	10.5MM x 48" ROLLS
SPC-4	SPORTS CUSHION	OPTI-FIT	ECORE - BEAST	STEEL APPEAL 2 ES15A	10.5MM x 48" ROLLS
SPC-5	SPORTS CUSHION	OPTI-FIT	ECORE - MOTIVATE	BLUE JAYS ES103	7.5MM x 48" ROLLS
SS-1	SOLID SURFACE	DUPONT	CORIAN PRIVATE COLLECTION	SEAFOAM	CASEWORK COUNTERTOP SURFACE, SEE ENLARGED PLANS
SS-2	SOLID SURFACE	AVONITE	STUDIO COLLECTION, SATIN FINISH	SILVER COMET 8585	RESTROOM & CASEWORK COUNTERTOP SURFACE, SEE ENLARGED PLANS
SS-3	SOLID SURFACE	WILSON ART	SOLID SURFACE 1/2"	KIMBERLITE 9215CE	CASEWORK COUNTERTOP SURFACE, SEE ENLARGED PLANS
SW-1	SPORTS WALL PADDING	RESILITE	WAINSCOT PANELS SAFEGUARD PLUS SLOT-BACK 2'Wx6'L	ROYAL BLUE	14OZ. FIRE RETARDANT VINYL FABRIC W/ 3 COLOR LETTERING & 3 COLOR LOGO
TP-1	TOILET PARTITION	GENERAL PARTITIONS	COLOR-THRU PHENOLIC	SILVER ALCHEMY 4860K-07	
WT-1	PORCELAIN TILE	PENTAL	18"x36" NATURAL	BIANCO CPI00736	

ROOM FINISH SCHEDULE

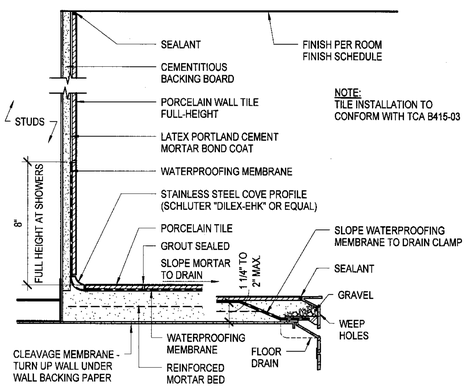
ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH
100	FITNESS	SPC-1, SPC-2, SPC-3, SPC-4	-	PT-2, PT-3, PT-6, HIT-1	PT-1
100A	STORAGE	SC-1	B-1	PT-2	PT-1
101	WEIGHT ROOM	SPC-1, SPC-2, SPC-3, SPC-4	-	PT-2, PT-3, PT-6, HIT-1	PT-1
102	ACADEMIC STUDENT SUCCESS	CPT-1	B-3	PT-2, PT-3, PT-4	AC-2
103	MEETING	CPT-1	B-3	PT-2, PT-3, PT-4	AC-2
104	CORR	SC-1	B-1	PT-2, PT-3, PT-4	AC-1, PT-5
104A	VEST.	SC-1	B-1	PT-2	PT-1
104B	WOMEN'S STAFF LOCKERS	SC-1	B-1	PT-2	AC-2
104C	WOMEN'S STAFF SHOWERS	FT-1	B-5	WT-1	PT-1
104D	WOMEN'S STAFF RESTROOM	FT-1	B-5	WT-1	PT-1
105	OFFICE	CPT-1	B-4	PT-2, PT-3	AC-2
106	HALL	SC-1	B-1	PT-2, PT-3, PT-4	AC-1, PT-5
107	STORAGE	SC-1	B-1	PT-2	PT-1
108	WOMEN'S RESTROOM	FT-1	B-5	WT-1	PT-1
109	MEN'S RESTROOM	FT-1	B-5	WT-1	PT-1
110	STORAGE	SC-1	B-1	PT-2	PT-1
111	CORRIDOR	SC-1	B-1	PT-2, PT-3, PT-6	AC-1
112	OFFICE	CPT-1	B-4	PT-2, PT-4	AC-2
113	VEST.	SC-1	B-1	PT-2, PT-6	PT-1
113A	MEN'S LOCKERS	SC-1	B-1	PT-2, PT-6	PT-1
113B	MEN'S ASSISTANT LOCKERS	SC-1	B-1	PT-2, PT-6	PT-1
113C	FIRE SPRKLR	SC-1	B-1	PT-2	PT-1
114	COPY	CPT-1	B-4	PT-2, PT-4	AC-2
115	CORRIDOR	SC-1	B-1	PT-2, PT-3	AC-1
115A	CORRIDOR	SC-1	B-1	PT-2, PT-3	PT-1
116	MEN'S STAFF LOCKERS	SC-1	B-1	PT-2	AC-2
116A	MEN'S STAFF RESTROOM	FT-1	B-5	WT-1	PT-1
117	OFFICE	CPT-1	B-4	PT-2, PT-3	AC-2
118	OFFICE	CPT-1	B-4	PT-2, PT-3	AC-2
119	OFFICE	CPT-1	B-4	PT-2, PT-3	AC-2
120	VEST.	SC-1	B-1	PT-2, PT-6	PT-1
120A	WOMEN'S LOCKERS A	SC-1	B-1	PT-2, PT-6	PT-1
120B	WOMEN'S LOCKERS B	SC-1	B-1	PT-2, PT-6	PT-1
120C	WOMEN'S LOCKERS C	SC-1	B-1	PT-2, PT-6	PT-1
121	VEST.	SC-1	B-1	PT-2, PT-6	PT-1
121A	WOMEN'S LOCKERS RESTROOM	FT-1	B-5	WT-1	PT-1
121B	WOMEN'S LOCKERS SHOWERS	FT-1	B-5	WT-1	PT-1
122	RESTROOM	FT-1	B-5	PT-2, WT-1	PT-1
123A	MEN'S LOCKERS RESTROOM	FT-1	B-5	WT-1	PT-1
123B	MEN'S LOCKERS SHOWERS	FT-1	B-5	WT-1	PT-1
124	WET ROOM	FT-1	B-5	WT-1	PT-1
125	EQUIPMENT OFFICE	SC-1	B-1	PT-2, PT-6	PT-1
125A	EQUIPMENT	SC-1, RB-1	B-1	PT-2	PT-1
125B	LAUNDRY	SC-1	B-1	HIT-2, PT-2	PT-1
126	TRAINING ROOM	SPC-1, SPC-2, SPC-3, SPC-4	B-3	PT-2, PT-3, PT-4	AC-2
126A	OFFICE	CPT-1	B-4	PT-2, PT-4	AC-2
126B	OFFICE	CPT-1	B-4	PT-2, PT-4	AC-2
126C	PRIVATE CONSULTATION	SPC-1	B-4	PT-2, PT-4	AC-2
127	OFFICE	CPT-1	B-4	PT-2, PT-4	AC-2
128	OFFICE	CPT-1	B-4	PT-2, PT-4	AC-2
129	OFFICE	CPT-1	B-4	PT-2, PT-4	AC-2
130	MECHANICAL ROOM	SC-1	B-1	PT-2	PT-1
131	IDF 1	SC-1	B-1	PT-2	PT-1
132	ELEV. MACHINE ROOM	SC-1	B-1	PT-2	PT-1
133	CUSTODIAL	SC-1	B-1	PT-2	PT-1
134	ELECTRICAL ROOM	EXISTING TO REMAIN	B-1	PT-2	PT-1
135	MECH ROOM	SC-1	B-1	PT-2	PT-1
136	ELEC. RM	EXISTING TO REMAIN	-	EXISTING TO REMAIN	EXISTING TO REMAIN
200	N. LOBBY	SC-1	B-1	PT-2, PT-4	AC-1, PT-1, PT-5
201	MEN'S RESTROOM	FT-1	B-5	WT-1	PT-1
202	HALL	SC-1	B-1	PT-2	PT-1
203	TEAM ROOM A	SPC-5	B-3	PT-2, PT-6	AC-2, PT-1
204	TEAM ROOM B	SPC-5	B-3	PT-2, PT-6	AC-2, PT-1
205A	HALL	SC-1	B-1	PT-2	AC-1
205B	HALL	SC-1	B-1	PT-2, PT-3	AC-1
206A	FITNESS	SPC-5	B-3	PT-2, PT-3, SW-1	AC-3
206B	FITNESS	SPC-5	B-3	PT-2, PT-3, SW-1	AC-3
206C	STORAGE	SC-1	B-2	PT-2	AC-3
207	S. LOBBY	SC-1	B-1	PT-2, PT-4	AC-1, PT-1, PT-5
208	WOMEN'S RESTROOM	FT-1	B-5	WT-1	PT-1
209	HALL	SC-1	B-1	PT-2	AC-1
210	TEAM ROOM C	SPC-5	B-3	PT-2, PT-6	AC-2, PT-1
211A	HALL	SC-1	B-1	PT-2	AC-1
211B	HALL	SC-1	B-1	PT-2, PT-3	AC-1
212	TEAM ROOM D	SPC-5	B-3	PT-2, PT-6	AC-2, PT-1
213	STORAGE	SC-1	B-2	PT-2	AC-3
213A	CARDIO	SPC-5	-	HIT-1, PT-2, PT-3, PT-4, PT-6	AC-3
219	HALL	SC-1	B-1	PP-1, PT-2, PT-3,PT-4, PT-6	PT-1
230	ELEV. MACHINE ROOM	SC-1	B-1	PT-2	PT-1
231	CUSTODIAL	SC-1	B-1	PT-2	PT-1
300	VEST.	SC-1	B-2	PT-2	PT-1
301	CLOSET	SC-1	B-2	PT-2	PT-1
302	PA EQUIPMENT	SC-1	B-2	PT-2, PT-3	AC-4
302A	PA EQUIPMENT	SC-1	B-2	PT-2, PT-3	AC-4
G-1	GYM	MATCH EXISTING WHERE PATCHED	PAINT TO MATCH EXISTING	PT-2, PT-6	PT-1
G-1A	STORAGE	EXISTING TO REMAIN	B-1	PT-2	AC-4
GALL-A	GALLERY A	SC-1	-	PT-3	PT-3
GALL-B	GALLERY B	SC-1	-	PT-3	PT-3
GALL-C	GALLERY C	SC-1	-	PT-6	PT-6
GALL-D	GALLERY D	SC-1	-	PT-6	PT-6
GALL-E	GALLERY E	SC-1	-	PT-3	PT-3
GALL-F	GALLERY F	SC-1	-	PT-3	PT-3
GALL-G	GALLERY G	SC-1	-	PT-6	PT-6
GALL-H	GALLERY H	SC-1	-	PT-6	PT-6

NOTE:

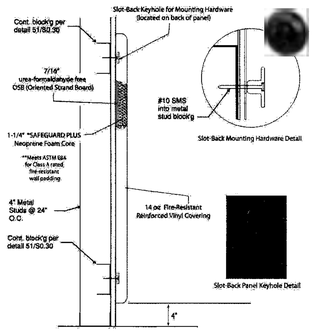
INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH CBC & CFC SECTION 803 AND TABLE 803.3



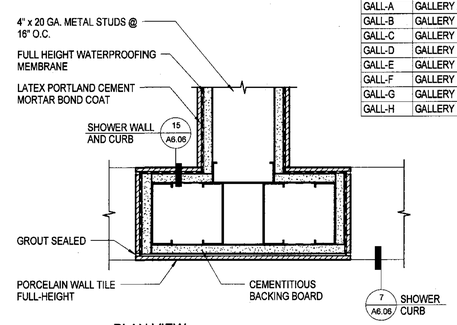
13 PORCELAIN TILE WAINSCOT
3" = 1'-0"



14 PORCELAIN TILE WAINSCOT
3" = 1'-0"

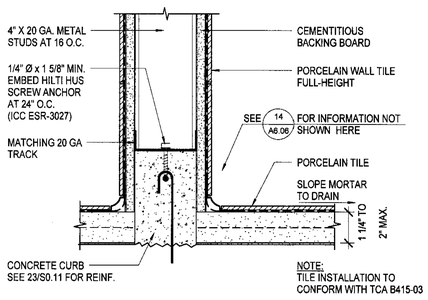


10 WALL PAD MOUNTING DETAIL
3/4" = 1'-0"

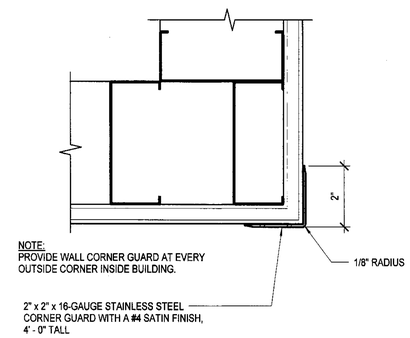


PLAN VIEW

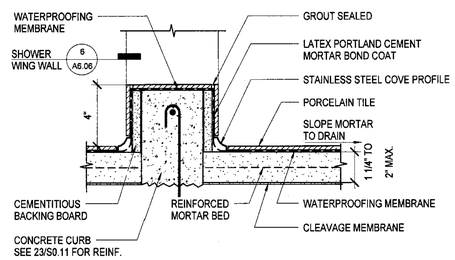
6 SHOWER WING WALL TILE BUTT JOINT DETAIL
3" = 1'-0"



15 SHOWER WALL AND CURB DETAIL
3" = 1'-0"



11 WALL CORNER GUARD
6" = 1'-0"



7 SHOWER CURB TILE BUTT JOINT DETAIL
3" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM T. JAMES C20348 JANUARY 31, 2018 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

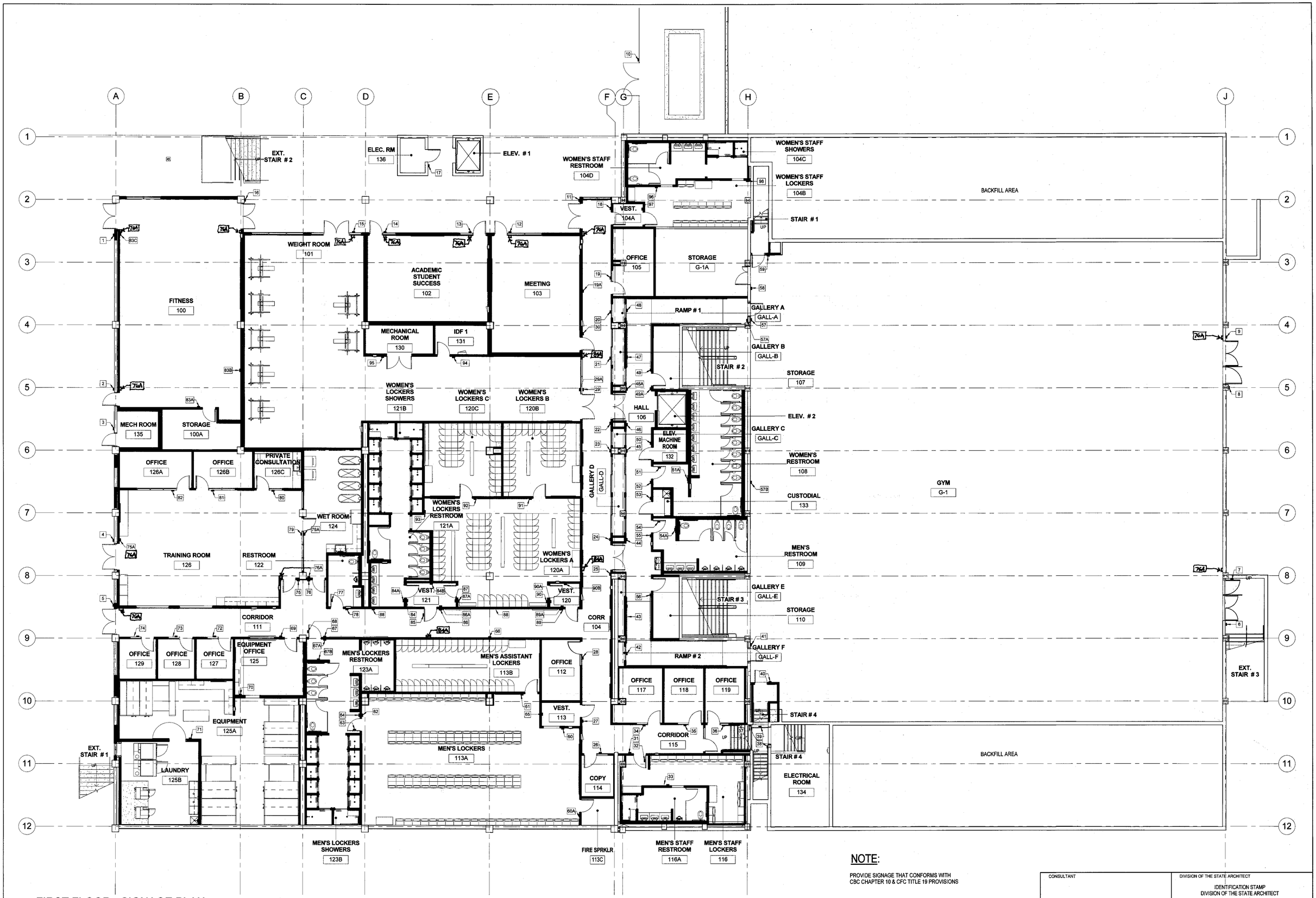
REVISIONS

DATE: 03/26/18
DRAWN: TJL/WTJ/RJF
CHECK: RJF/WJA
JOB NO: 16-MPC-023

FINISH SCHEDULE, MATERIALS LIST & FINISH DETAILS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A6.06 ___ OF ___



1 FIRST FLOOR - SIGNAGE PLAN

1/8" = 1'-0"

SIGNAGE SCHEDULE_FIRST FLOOR

SIGN NO.	SIGN COPY	SIGN MATERIAL	SIGN TYPE	DETAIL
1	FITNESS		B1	6/A7.04
2	FITNESS		B1	6/A7.04
3	MECHANICAL ROOM		B1	6/A7.04
4	TRAINING ROOM		B1	6/A7.04
5	(I.S.A. GRAPHIC) GYMNASIUM		B2	6/A7.04
6	GYMNASIUM		B2	6/A7.04
7	GYMNASIUM		B2	6/A7.04
8	GYMNASIUM		B2	6/A7.04
9	GYMNASIUM		B2	6/A7.04
10	CHILLER ENCLOSURE		B2	6/A7.04
11	(I.S.A. GRAPHIC) GYMNASIUM		B2	6/A7.04
12	MEETING		B1	6/A7.04
13	ACADEMIC STUDENT SUCCESS		B1	6/A7.04
14	ACADEMIC STUDENT SUCCESS		B1	6/A7.04
15	WEIGHT ROOM		B1	6/A7.04
16	FITNESS		B1	6/A7.04
17	ELECTRICAL ROOM		B1	6/A7.04
18	WOMENS STAFF SHOWERS, RESTROOM & LOCKERS		B4	6/A7.04
19	OFFICE		B1	6/A7.04
19A	(MOORPARK RAIDERS ATHLETICS LOGO)	DECAL		15/A7.04
20	GALLERY A	ALUMINUM	A	1/A7.04
21	GALLERY B	ALUMINUM	A	1/A7.04
22	TO RESTROOM ELEVATOR & GYMNASIUM		B4	6/A7.04
23	GALLERY C	ALUMINUM	B	1/A7.04
24	GALLERY D	ALUMINUM	B	1/A7.04
25	TO RESTROOM ELEVATOR & GYMNASIUM		B4	6/A7.04

SIGNAGE SCHEDULE_FIRST FLOOR

SIGN NO.	SIGN COPY	SIGN MATERIAL	SIGN TYPE	DETAIL
26	OFFICE		B1	6/A7.04
27	VESTIBULE TO MENS LOCKERS		B1	6/A7.04
28	OFFICE		B1	6/A7.04
29	WEIGHT ROOM		B1	6/A7.04
29A	EXIT		E1	8/A7.04
30	MEETING		B1	6/A7.04
31	MENS STAFF LOCKERS & RESTROOM		B4	6/A7.04
32	(MENS GRAPHICS)		C1	14/A7.04
33	RESTROOM AND SHOWER		B1	6/A7.04
34	OFFICE		B1	6/A7.04
35	OFFICE		B1	6/A7.04
36	OFFICE		B1	6/A7.04
37	TO GYMNASIUM		B4	6/A7.04
38	ELECTRICAL ROOM		B1	6/A7.04
39	DANGER - HIGH VOLTAGE KEEP OUT		B3	6/A7.04
40	STAIRS TO LOCKERS & FITNESS ROOM		B4	6/A7.04
41	RAMP TO ELEVATOR & RESTROOMS		B4	6/A7.04
42	GALLERY F	ALUMINUM	A	1/A7.04
43	GALLERY E	ALUMINUM	A	1/A7.04
44	LOCKER ROOMS		B1	6/A7.04
45	GALLERY D	ALUMINUM	B	1/A7.04
46	GALLERY C	ALUMINUM	B	1/A7.04
46A	TO LOCKER ROOMS		B1	6/A7.04
47	GALLERY B	ALUMINUM	A	1/A7.04
48	GALLERY A	ALUMINUM	A	1/A7.04
49	STORAGE		B1	6/A7.04
49A	ELEVATOR		B1	6/A7.04
50	ELEVATOR MACHINE ROOM		B1	6/A7.04

SIGNAGE SCHEDULE_FIRST FLOOR

SIGN NO.	SIGN COPY	SIGN MATERIAL	SIGN TYPE	DETAIL
51	(WOMENS GRAPHICS)		C2	14/A7.04
51A	(WOMENS RESTROOM SYMBOL)	ALUMINUM		2/A7.04
52	(WOMENS RESTROOM GRAPHICS) RESTROOM		C5	14/A7.04
53	CUSTODIAL		B1	6/A7.04
54	(MENS GRAPHICS)		C1	14/A7.04
54A	(MENS RESTROOM SYMBOL)	ALUMINUM		3/A7.04
55	(MENS RESTROOM GRAPHICS) RESTROOM		C7	14/A7.04
56	STORAGE		B1	6/A7.04
57	RAMP TO ELEVATOR & RESTROOMS		B1	6/A7.04
57A	TO GYMNASIUM		B3	6/A7.04
57B	MAXIMUM OCCUPANCY 2154			16/A7.04
58	STORAGE		B1	6/A7.04
59	STAIRS TO CARDIO ROOM		B4	6/A7.04
60	TO EXIT		E7	8/A7.04
60A	FIRE SPRINKLER ROOM		B1	6/A7.04
61	MENS ASSISTANT LOCKERS		B1	6/A7.04
62	RESTROOM & SHOWERS		C4	14/A7.04
63	(MENS GRAPHICS)		C1	14/A7.04
64	LOCKER ROOM		B1	6/A7.04
65	MC RAIDERS MEN	ALUMINUM		7/A7.04
66	RAIDERS ATHLETICS	PAINT		15/A7.04
67	(MENS RESTROOM GRAPHICS) RESTROOM		C7	14/A7.04
67A	EXIT		E1	8/A7.04
67B	MC RAIDERS MEN	ALUMINUM		7/A7.04
68	(MENS GRAPHICS)		C1	14/A7.04

SIGNAGE SCHEDULE_FIRST FLOOR

SIGN NO.	SIGN COPY	SIGN MATERIAL	SIGN TYPE	DETAIL
69	EQUIPMENT OFFICE		B1	6/A7.04
70	EQUIPMENT		B1	6/A7.04
71	LAUNDRY		B1	6/A7.04
72	OFFICE		B1	6/A7.04
73	OFFICE		E1	8/A7.04
74	COPY		B1	6/A7.04
75	TRAINING ROOM		B1	6/A7.04
75A	MAXIMUM OCCUPANCY 59			16/A7.04
76	WET ROOM		B1	6/A7.04
76A	EXIT		E1	8/A7.04
77	(RESTROOM GRAPHICS)		C3	14/A7.04
78	RESTROOM		C6	14/A7.04
79	WET ROOM		B1	6/A7.04
79A	TRAINING ROOM		B1	6/A7.04
80	PRIVATE CONSULTATION		B1	6/A7.04
81	OFFICE		B1	6/A7.04
82	OFFICE		B1	6/A7.04
83A	STORAGE		B1	6/A7.04
83B	FITNESS	PAINT		6/A7.05
83C	MAXIMUM OCCUPANCY 74			16/A7.04
84	RESTROOM		B3	6/A7.04
84A	TO EXIT		E7	8/A7.04
84B	MC RAIDERS WOMEN	ALUMINUM		1/A7.05
85	(WOMENS GRAPHICS)		C5	14/A7.04
86	(WOMENS RESTROOM GRAPHICS) RESTROOM		C2	14/A7.04
86A	TO EXIT		E7	8/A7.04

SIGNAGE SCHEDULE_FIRST FLOOR

SIGN NO.	SIGN COPY	SIGN MATERIAL	SIGN TYPE	DETAIL
87	WOMENS LOCKER ROOM		B1	6/A7.04
87A	TO EXIT		E7	8/A7.04
88	(MC RAIDERS LOGO)	DECAL		
89	WOMENS LOCKERS A		B1	6/A7.04
89A	EXIT		E1	8/A7.04
90	TO EXIT		B1	6/A7.04
90A	WOMENS LOCKERS A		B1	6/A7.04
90B	MC RAIDERS WOMEN	ALUMINUM		1/A7.05
91	WOMENS LOCKERS B		B1	6/A7.04
92	WOMENS LOCKERS C		B1	6/A7.04
93	SHOWERS & RESTROOM		B1	6/A7.04
94	IDF 1		B1	6/A7.04
95	MECHANICAL ROOM		B1	6/A7.04
96	RESTROOM		B3	6/A7.04
97	WOMENS STAFF LOCKERS		B1	6/A7.04
98	SHOWERS		B1	6/A7.04
99	FIRE ALARM CONTROL PANEL INSIDE		84	6/A7.04

NORTH

0' 4' 8' 16' 32'

NOTE:

PROVIDE SIGNAGE THAT CONFORMS WITH CBC CHAPTER 10 & CFC TITLE 19 PROVISIONS

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DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AS FLS ZH SS YO
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN AMADOR C-20348 JANUARY 31, 2019 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3808 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

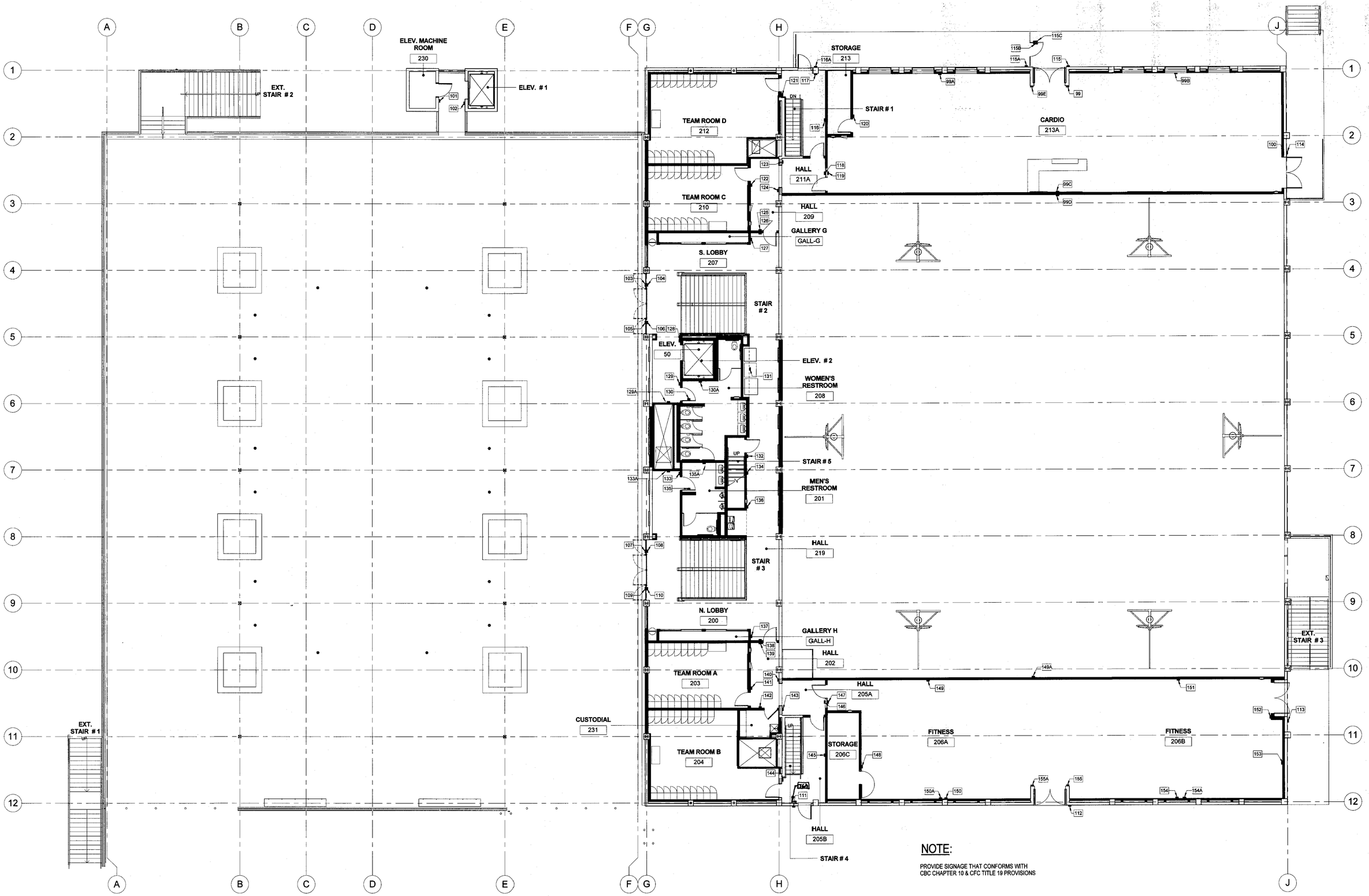
REVISIONS	DATE: 03/26/18
	DRAWN: TJL
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

FIRST FLOOR SIGNAGE PLAN AND SCHEDULE

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A7.01

___ OF ___



NOTE:

PROVIDE SIGNAGE THAT CONFORMS WITH CBC CHAPTER 10 & CFC TITLE 19 PROVISIONS

1 SECOND FLOOR - SIGNAGE PLAN

1/8" = 1'-0"

SIGNAGE SCHEDULE_SECOND FLOOR

SIGN NO.	SIGN COPY	SIGN MATERIAL	SIGN TYPE	DETAIL
99	EXIT		E1	8/A7.04
99A	MOORPARK COLLEGE	PAINT		11/A7.05
99B	RAIDERS	PAINT		7/A7.05
99C	MC	PAINT		12/A7.05
99D	RAIDERS ATHLETICS	PAINT		2/A7.03
99E	MAXIMUM OCCUPANCY 53			16/A7.04
100	EXIT		E1	8/A7.04
101	ELEVATOR MACHINE ROOM		B1	6/A7.04
102	ELEVATOR		B4	6/A7.04
103	(I.S.A. GRAPHIC) GYMNASIUM		B2	6/A7.04
104	EXIT		E1	8/A7.04
105	GYMNASIUM		B2	6/A7.04
106	EXIT		E1	8/A7.04
107	GYMNASIUM		B2	6/A7.04
108	EXIT		E1	8/A7.04
109	(I.S.A. GRAPHIC) GYMNASIUM		B2	6/A7.04
110	EXIT		E1	8/A7.04
111	TO FITNESS & TEAM ROOMS		B4	6/A7.04
112	FITNESS		B1	6/A7.04
113	FITNESS		B1	6/A7.04
114	CARDIO		B1	6/A7.04
115	CARDIO		B1	6/A7.04
115A	EXIT		E1	8/A7.04
115B	EXIT			13/A5.04C
115C	NO EXIT			13/A5.04C
116	(MC RAIDERS LOGO)	DECAL		
116A	TO CARDIO & TEAM ROOMS		B4	6/A7.04
117	EXIT		E1	8/A7.04
118	TO CARDIO ROOM		B4	6/A7.04

SIGNAGE SCHEDULE_SECOND FLOOR

SIGN NO.	SIGN COPY	SIGN MATERIAL	SIGN TYPE	DETAIL
119	EXIT		E1	8/A7.04
120	STORAGE		E7	8/A7.04
121	TEAM ROOM D		B1	6/A7.04
122	TEAM ROOM C		B1	6/A7.04
123	TO TEAM ROOM		B4	6/A7.04
124	TO FITNESS & TEAM ROOM		B4	6/A7.04
125	SOUTH LOBBY		B1	6/A7.04
126	TO CARDIO & TEAM ROOMS		B4	6/A7.04
127	GALLERY G	ALUMINUM	B	1/A7.04
128	ELEVATOR		B4	6/A7.04
129	(WOMENS RESTROOM GRAPHICS) RESTROOM		C5	14/A7.04
129A	WOMENS RESTROOM DIRECTIONAL		W1	4/A7.04
130	(WOMENS GRAPHICS)		C2	14/A7.04
130A	(WOMENS RESTROOM SYMBOL)	ALUMINUM		2/A7.04
131	SNACKS & DRINKS	ALUMINUM		2/A7.05
132	TO MEZZANINE		B4	6/A7.04
133	(MENS RESTROOM GRAPHICS) RESTROOM		C7	14/A7.04
133A	MENS RESTROOM DIRECTIONAL		M1	4/A7.04
134	MC	PAINT		15/A7.05
135	(MENS GRAPHICS)		C1	14/A7.04
135A	(MENS RESTROOM SYMBOL)	ALUMINUM		3/A7.04
136	DRINKING FOUNTAIN		B4	6/A7.04
137	GALLERY H	ALUMINUM	B	1/A7.04
138	TO FITNESS & TEAM ROOMS		B4	6/A7.04
139	NORTH LOBBY		B1	6/A7.04
140	TO FITNESS & TEAM ROOM		B4	6/A7.04
141	TEAM ROOM A		B2	6/A7.04

SIGNAGE SCHEDULE_SECOND FLOOR

SIGN NO.	SIGN COPY	SIGN MATERIAL	SIGN TYPE	DETAIL
142	CUSTODIAL		B1	6/A7.04
143	TO TEAM ROOM		B1	6/A7.04
144	TEAM ROOM B		B1	6/A7.04
145	(MC RAIDERS LOGO)	DECAL		
146	FITNESS		B1	6/A7.04
147	EXIT		E1	8/A7.04
148	STORAGE		B1	6/A7.04
149	(MC RAIDERS LOGO)	DECAL		
149A	MOORPARK COLLEGE	PAINT		3/A7.03
150	(MOORPARK RAIDERS ATHLETICS LOGO)	DECAL		
150A	HEALTH	PAINT		13/A7.05
151	(MOORPARK RAIDERS ATHLETICS LOGO)	DECAL		
152	EXIT		E1	8/A7.04
153	(MOORPARK RAIDERS ATHLETICS LOGO)	DECAL		
154	(MC RAIDERS LOGO)	DECAL		
154A	FITNESS	PAINT		14/A7.05
155	EXIT		E1	8/A7.04
155A	MAXIMUM OCCUPANCY 128			16/A7.04

NORTH

0' 4' 8' 16' 32'

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC. FLS ZH SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN WHITTLE C-26346 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 ; (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

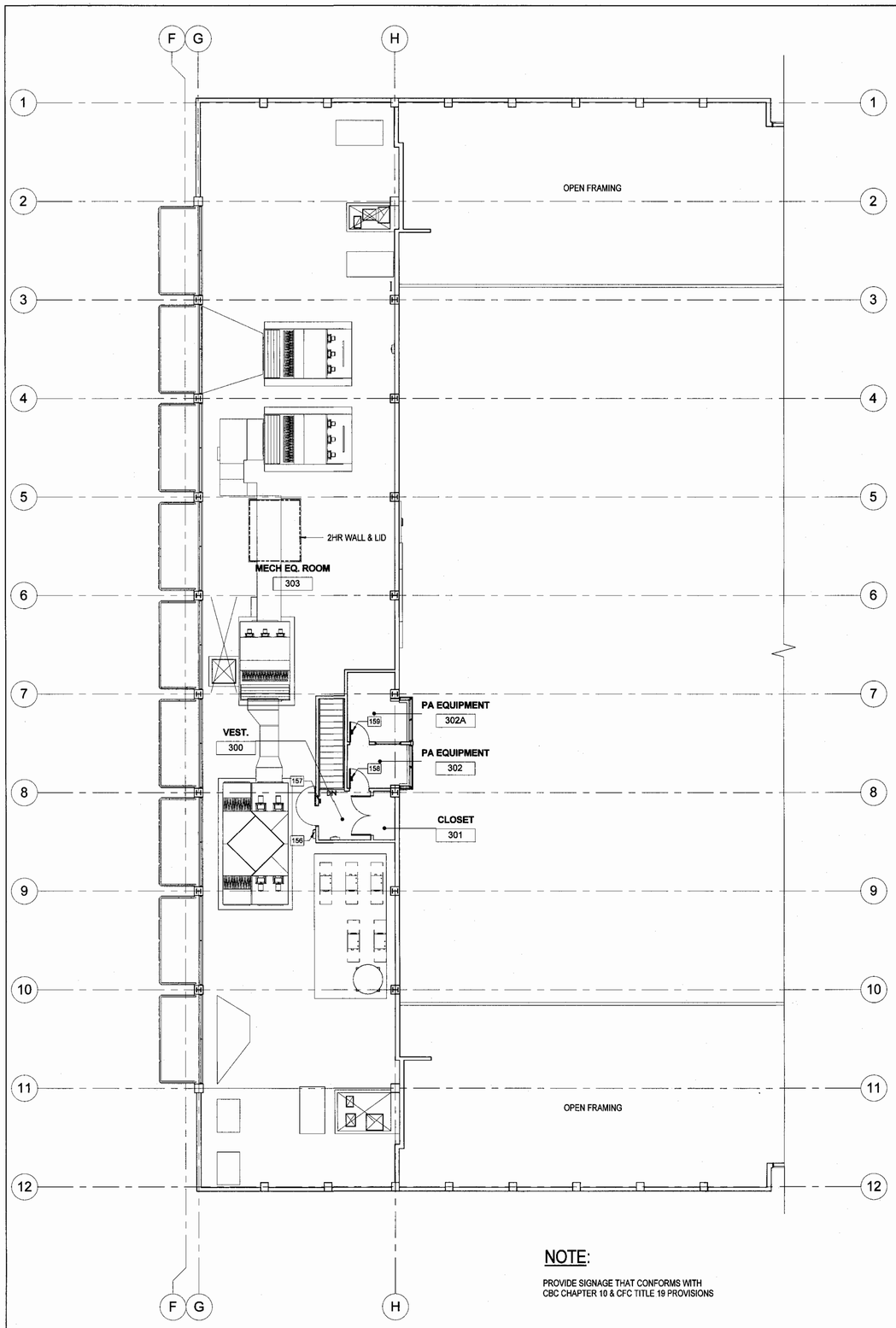
NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: TJL/ WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

SECOND FLOOR SIGNAGE PLAN AND SCHEDULE

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A7.02 OF

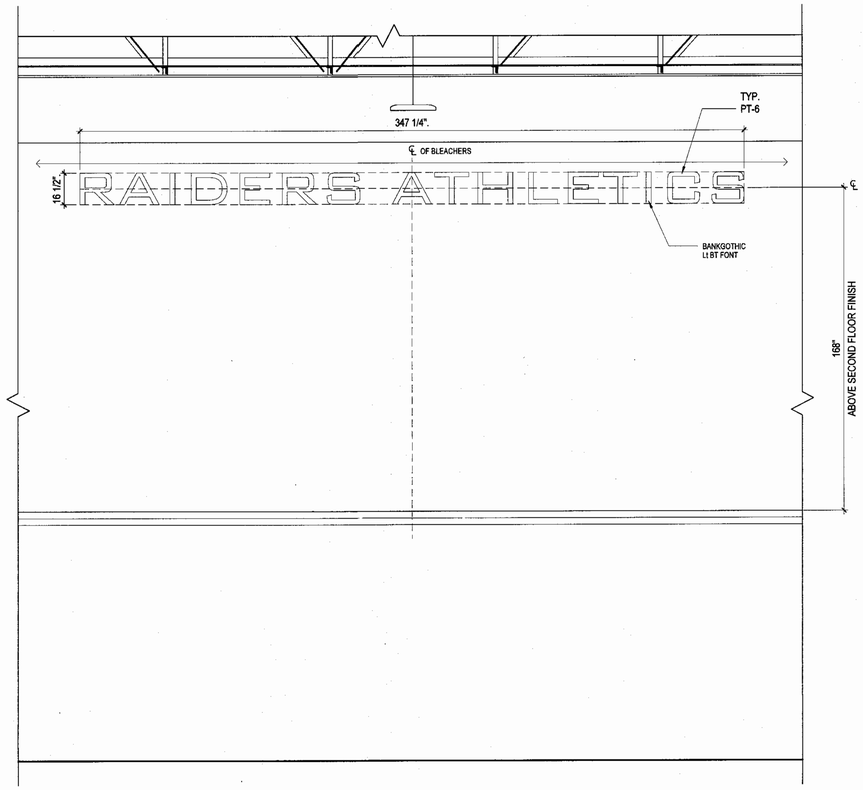


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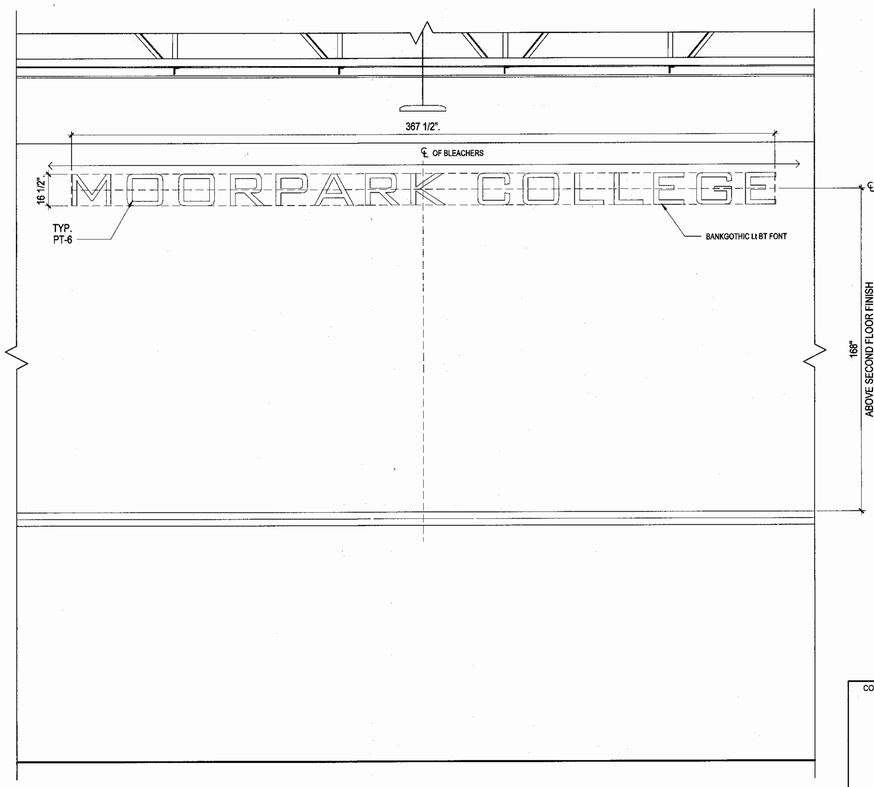
PROVIDE SIGNAGE THAT CONFORMS WITH CBC CHAPTER 10 & CFC TITLE 19 PROVISIONS

1 MECHANICAL MEZZANINE - SIGNAGE PLAN
1/8" = 1'-0"

SIGNAGE SCHEDULE_MEZZANINE				
SIGN NO.	SIGN COPY	SIGN MATERIAL	SIGN TYPE	DETAIL
156	VESTIBULE		B1	6/A7.04
157	MECHANICAL EQUIMPENT ROOM		B1	6/A7.04
158	BROADCAST		B1	6/A7.04
159	BROADCAST		B1	6/A7.04



2 RAIDERS ATHLETICS SIGN @ GYM G-1
3/8" = 1'-0"



3 MOORPARK COLLEGE SIGN @ GYM G-1
3/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC. AT FLS ZH SS RO
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JAMES AMADOR C-30548 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

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BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/18
	DRAWN: TJL
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

MECHANICAL MEZZANINE FLOOR SIGNAGE PLAN AND SCHEDULE
IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A7.03
__ OF __

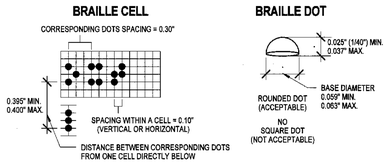
(A) CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" (0.794 MM) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE (SEE NOTE E BELOW). CBC 11B-703.2

(B) CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" (15.9 MM) AND A MAXIMUM OF 2 INCHES (51 MM) HIGH BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". CBC 11B-703.2.5

(C) FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, PICTOGRAMS, SYMBOLS AND THEIR BACKGROUND MUST HAVE A NON-GLARE FINISH. CHARACTERS, PICTOGRAMS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. CBC 11B-703.5.1, 11B-703.6.2, 11B-703.7.1

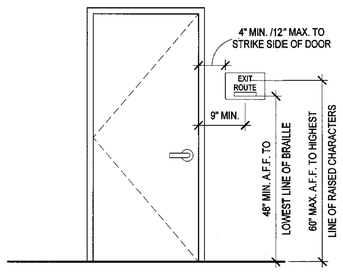
(D) PROPORTIONS: CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 % MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". CBC 11B-703.2.4, 11B-703.5.4. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER FOR RAISED CHARACTERS AND 10% MINIMUM AND 20% MAXIMUM OF THE HEIGHT OF THE CHARACTER FOR VISUAL CHARACTERS. CBC 11B-703.2.6, 11B-703.5.7

(E) BRAILLE: CONTRACTED CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (2.5 MM) ON CENTERS IN EACH CELL WITH 0.30 INCH (7.6 MM) SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.635 MM) ABOVE THE BACKGROUND AND 0.037" MAXIMUM. CBC 11B-703.3

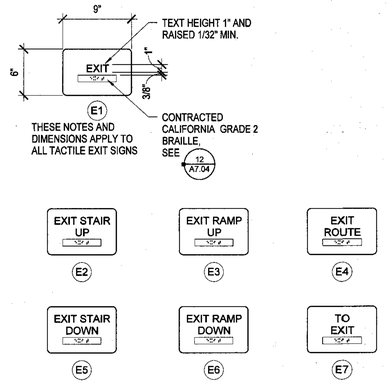


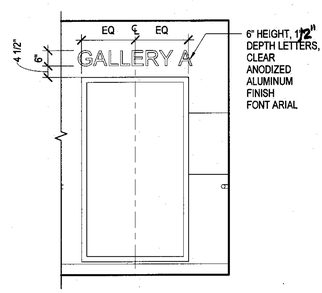
INDIVIDUAL BRAILLE DOTS SHALL EACH BE DISTINCT & SEPARATE. EACH DOT SHALL BE ROUNDED OR DOMED IN LIEU OF SQUARE SIDED & FLAT TOPPED. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS.

12 CHARACTERS & BRAILLE SIGN DETAIL
6" = 1'-0"

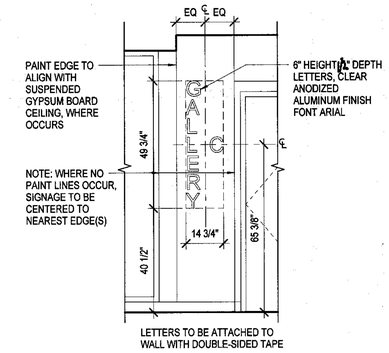


8 (E) TACTILE EXIT SIGN TYPES
1 1/2" = 1'-0"





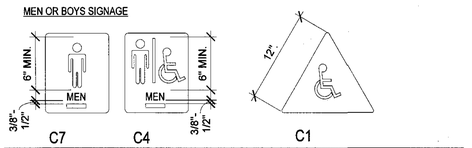
A HORIZONTAL SIGN



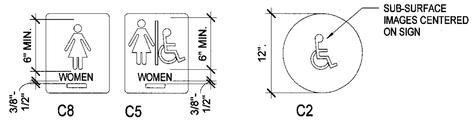
B VERTICAL SIGN

1 GALLERY SIGN DETAIL
1/2" = 1'-0"

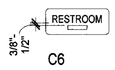
MEN OR BOYS SIGNAGE

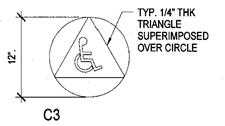


WOMEN OR GIRLS SIGNAGE



RESTROOM SIGNAGE



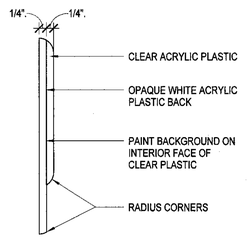


RESTROOM WALL SIGNS

NOTE: RESTROOM WALL SIGNS ARE TO BE MOUNTED ON LATCH SIDE OF DOOR.

RESTROOM DOOR SIGNS

NOTE: RESTROOM DOOR SIGNS ARE TO BE CENTERED ON DOOR.



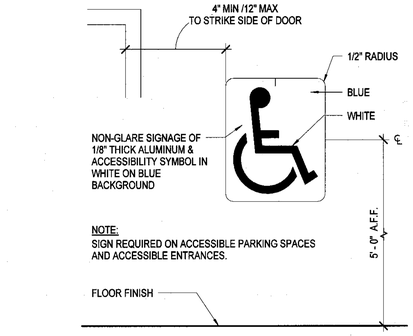
DOOR SIGN SECTION

NOTES ON RESTROOM SIGNAGE:

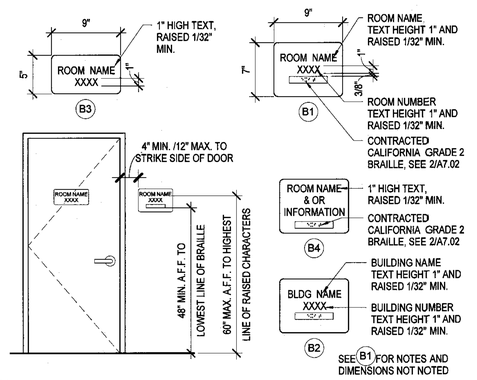
1. ALL RESTROOM DOOR SIGNS SHALL BE MOUNTED AT 58" MINIMUM AND 60" MAXIMUM ABOVE FINISH FLOOR TO CENTER OF SIGN.
2. ATTACH SIGN USING (3) THREE FLATHEAD WOOD SCREWS, COUNTER-SUNK AND ADHESIVE.
3. ISA SYMBOL REQUIRED ON DOOR, WALL OR SEPARATE SIGN, NOT REQUIRED TO BE RAISED FROM BACKGROUND.
4. GEOMETRIC SYMBOL DOOR SIGNS FOR RESTROOMS MUST CONTRAST WITH DOOR, DARK ON LIGHT OR LIGHT ON DARK. FOR UNISEX DOOR SIGNS, TRIANGLE TO CONTRAST WITH CIRCLE, WHICH MUST CONTRAST WITH THE DOOR, 70% MINIMUM LIGHT/DARK. ENTIRE BACKGROUND COLOR OF GEOMETRIC SYMBOL SIGN MUST CONTRAST WITH DOOR. IT IS NOT ALLOWED TO HAVE A THIN CONTRASTING BORDER AROUND SYMBOL, WITH REMAINDER OF SIGN BACKGROUND IN A NON-CONTRASTING COLOR. ISA, CONTRASTING WITH BACKGROUND, MAY BE ON SIGN.
5. EDGES OF SIGNS SHALL BE ROUNDED, CHAMFERED OR EASED. CORNERS OF SIGNS SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH.

RESTROOM DOOR SIGN ELEVATION

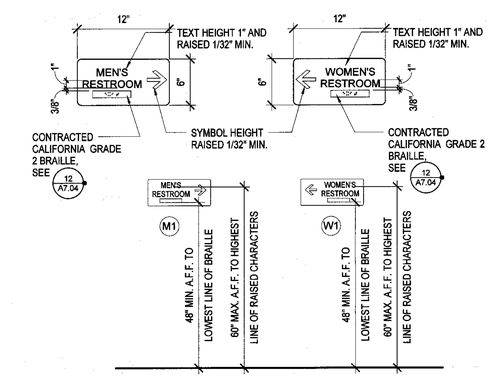
14 RESTROOM SIGNAGE (C1 thru C6)
1" = 1'-0"



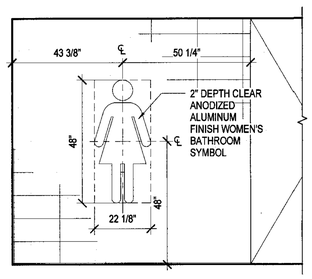
5 (A) INTERNATIONAL SYMBOL OF ACCESSIBILITY (I.S.A) SIGN
3" = 1'-0"



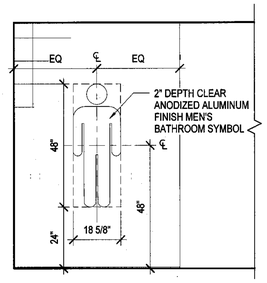
6 (B) BUILDING & ROOM I.D. SIGNS
1 1/2" = 1'-0"



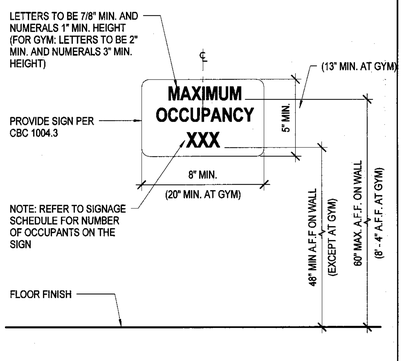
4 TACTILE RESTROOM DIRECTIONAL SIGNAGE
1 1/2" = 1'-0"



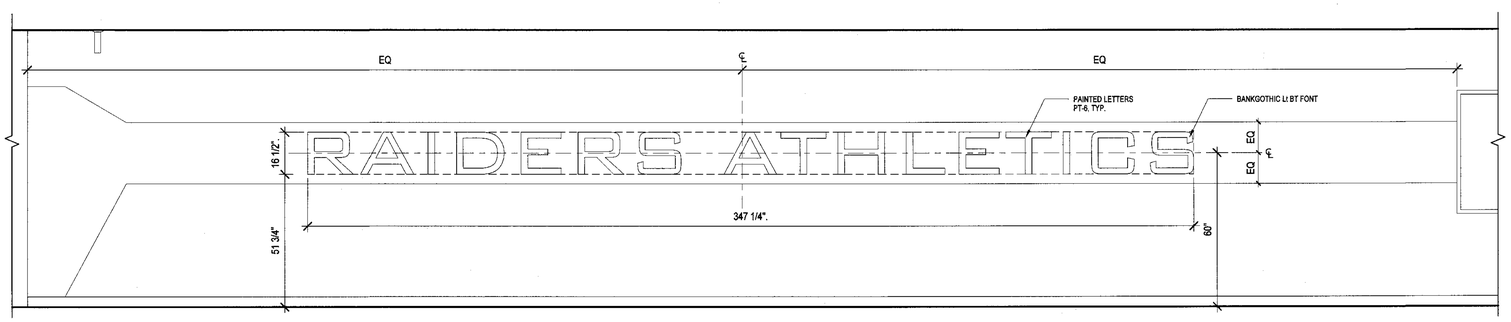
2 WOMEN'S RESTROOM 108 SYMBOL SIGN
1/2" = 1'-0"



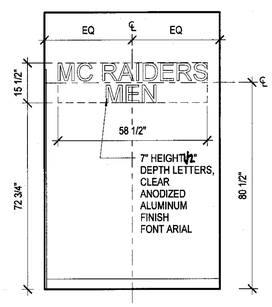
3 MEN'S RESTROOM 109 SYMBOL SIGN
1/2" = 1'-0"



16 OCCUPANT LOAD SIGN
3" = 1'-0"



15 RAIDERS SIGN @ CORRIDOR 111
1/2" = 1'-0"



7 MEN'S LOCKERS SIGN
1/2" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
FLS ZU SS
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSE AMADOR C-30344 RENEWAL JANUARY 31, 2019 STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

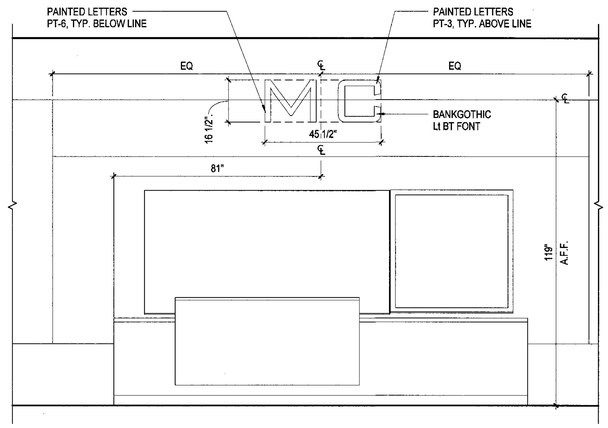
NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: WTJ/ JA/ TJL
	CHECK: WJA
	JOB NO: 16-MPC-023

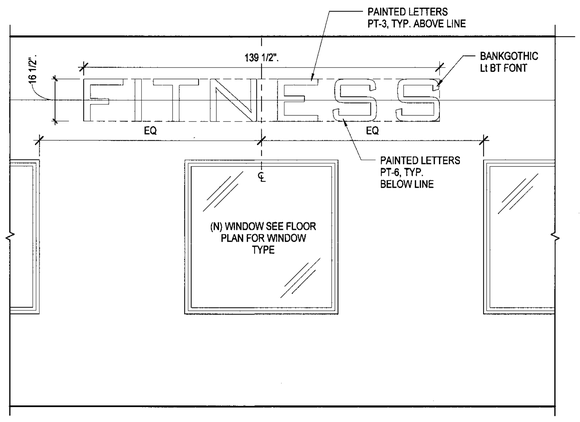
SIGNAGE DETAILS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

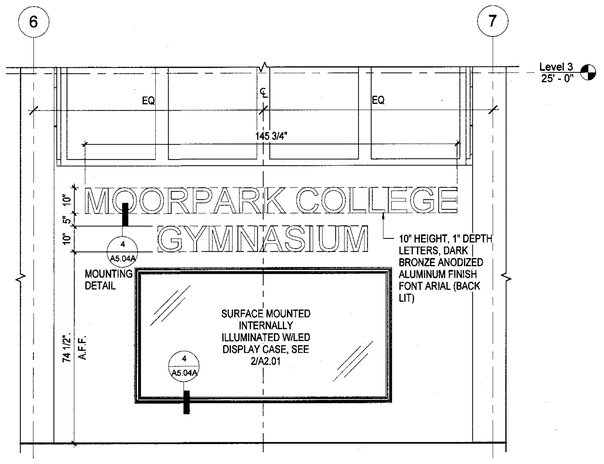
A7.04 ___ OF ___



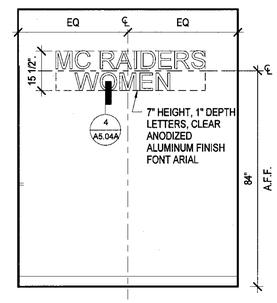
12 MC SIGN @ CARDIO ROOM 213A
1/2" = 1'-0"



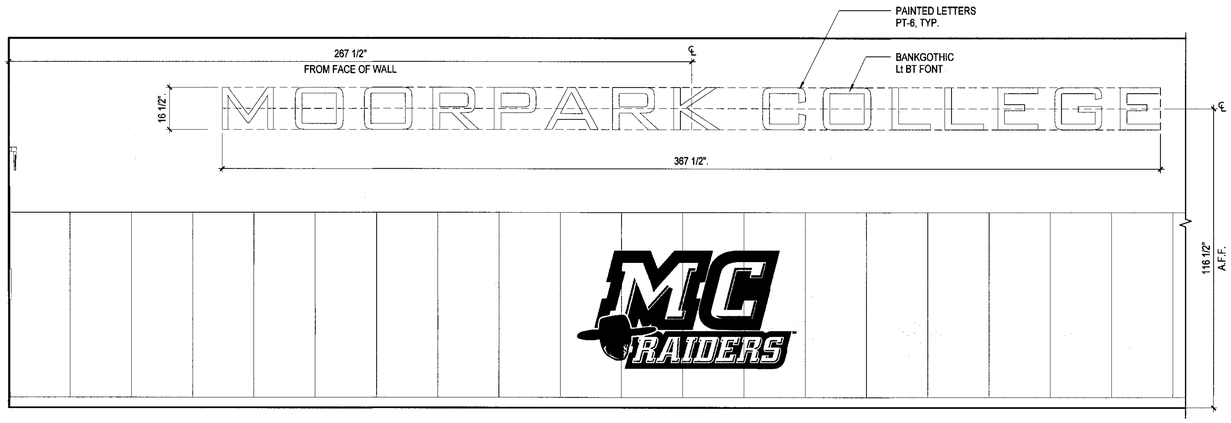
7 FITNESS SIGN @ CARDIO ROOM 213A
1/2" = 1'-0"



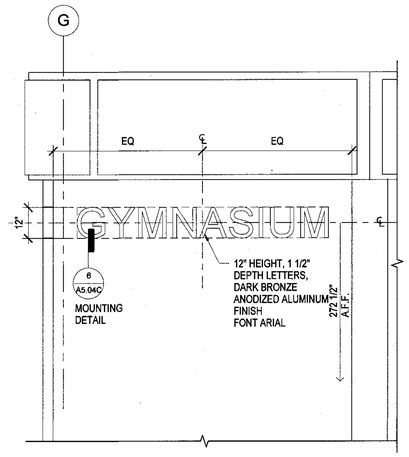
4 EXTERIOR BACKLIT SIGN
1/2" = 1'-0"



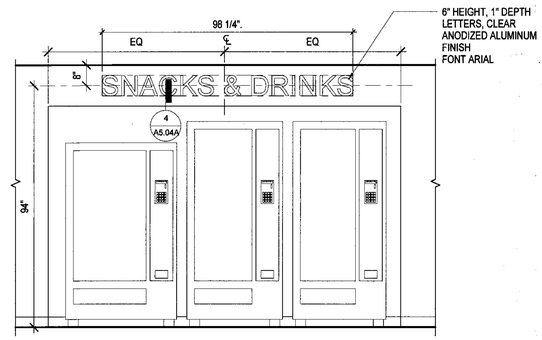
1 WOMEN'S LOCKER SIGN
1/2" = 1'-0"



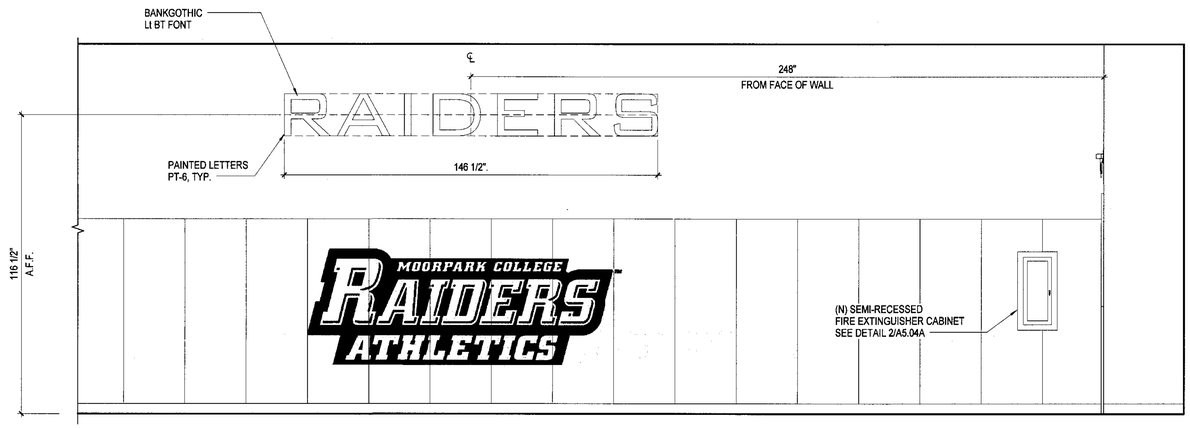
13 MOORPARK COLLEGE SIGN @ FITNESS ROOM 206A
1/2" = 1'-0"



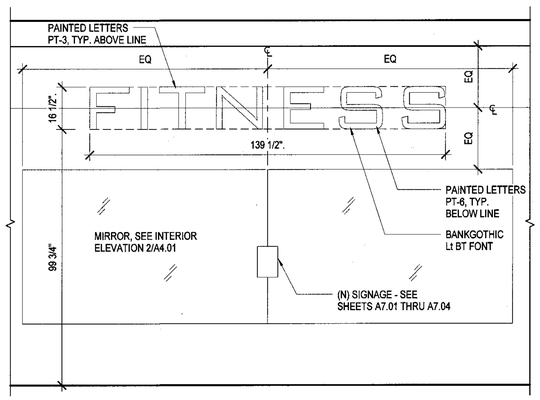
5 EXTERIOR GYMNASIUM SIGN NORTH/SOUTH
1/2" = 1'-0"



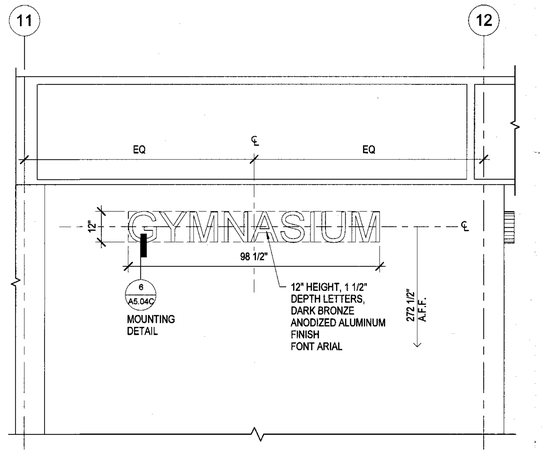
2 SNACKS & DRINKS SIGN @ HALL 219
1/2" = 1'-0"



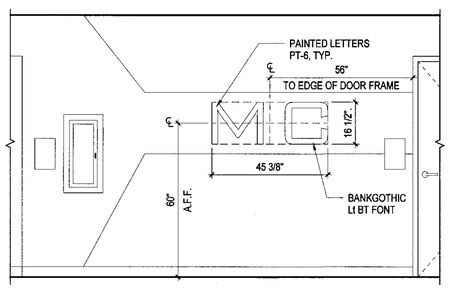
14 RAIDERS SIGN @ FITNESS ROOM 206B
1/2" = 1'-0"



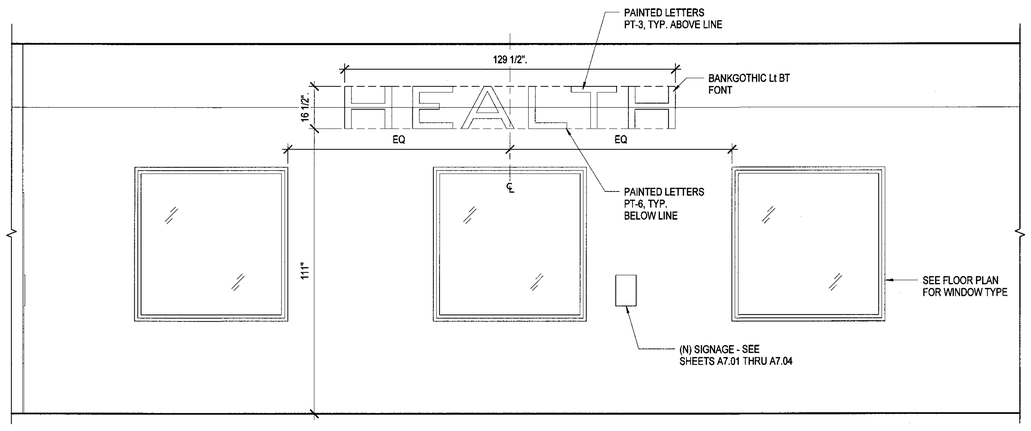
6 FITNESS SIGN @ FITNESS ROOM 100
1/2" = 1'-0"



3 EXTERIOR GYMNASIUM SIGN EAST/WEST
1/2" = 1'-0"



15 MC SIGN @ HALL 219
1/2" = 1'-0"



11 HEALTH SIGN @ CARDIO ROOM 213A
1/2" = 1'-0"

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS 214 SS 10
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN AMADOR C-26385 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28326 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

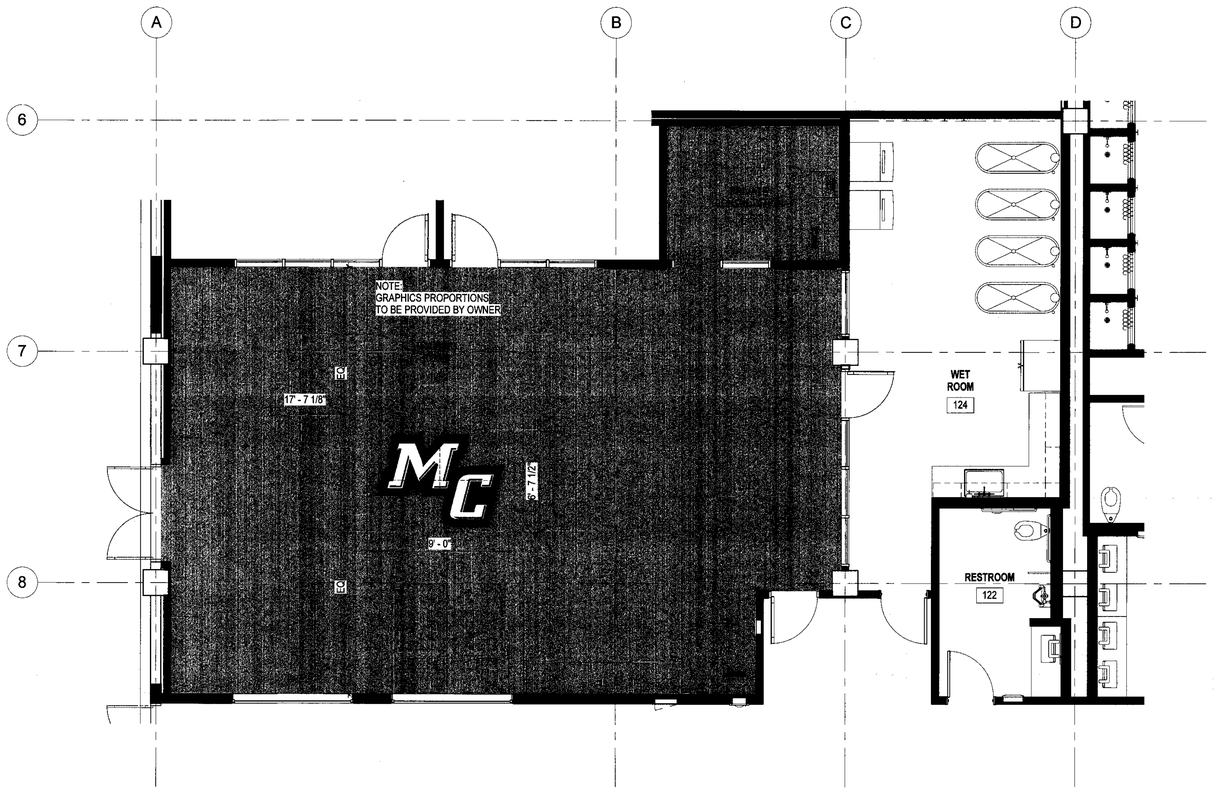
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	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

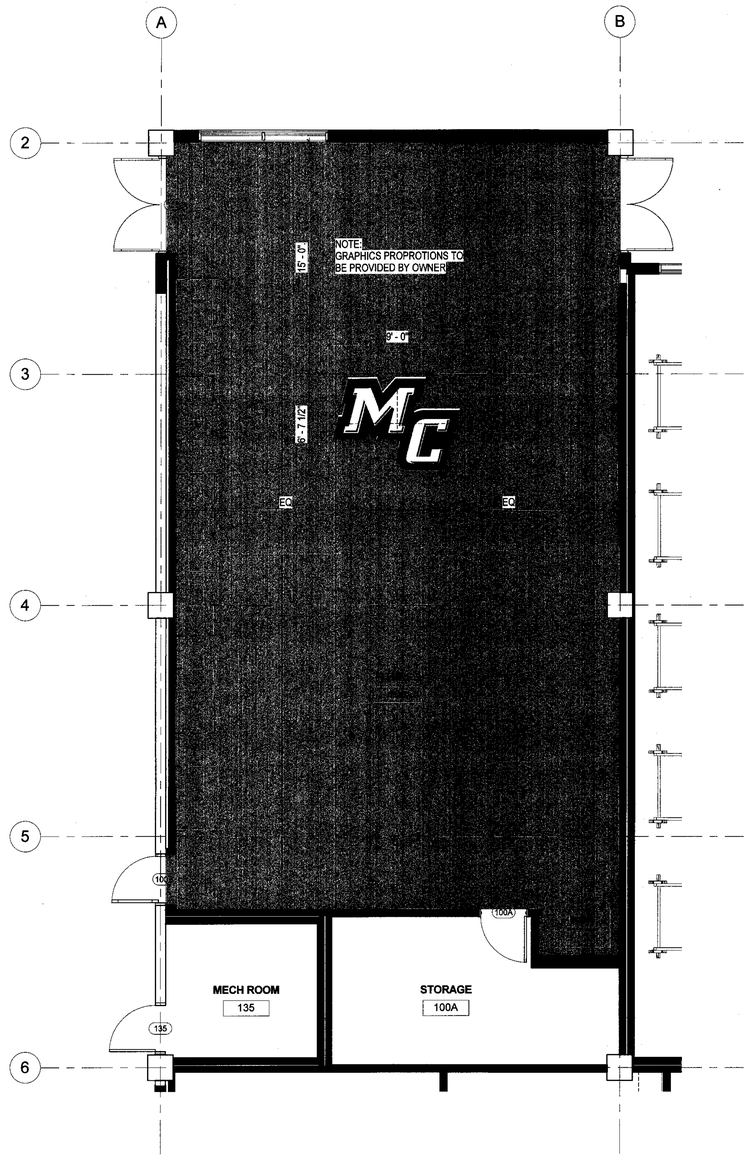
SIGNAGE DETAILS

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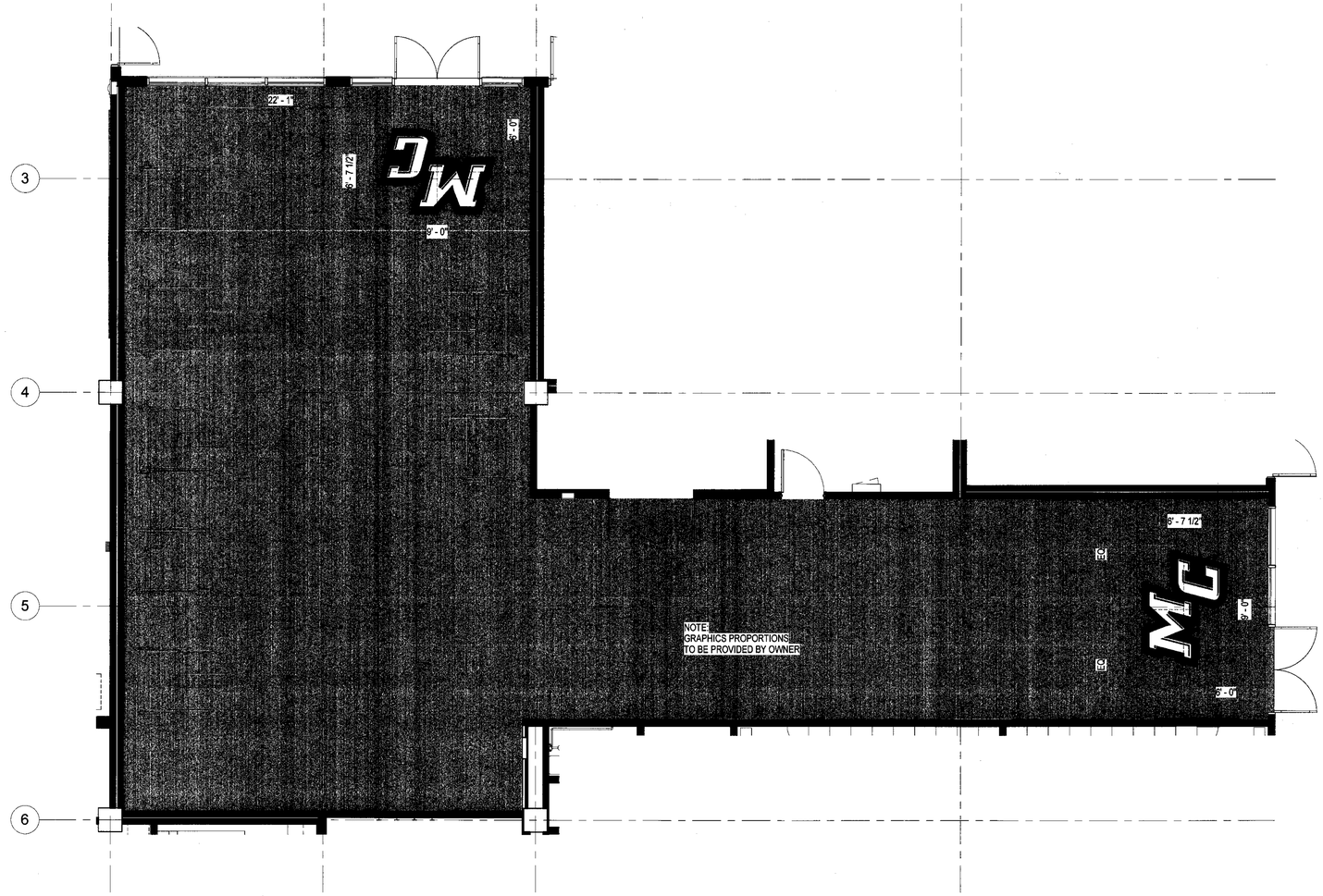
A7.05
__ OF __



2 ENLARGED PLAN - TRAINING ROOM
1/4" = 1'-0"



1 ENLARGED PLAN - FITNESS ROOM 100
1/4" = 1'-0"



3 ENLARGED PLAN - WEIGHT ROOM 101
1/4" = 1'-0"

LEGEND

- ECORE - BEAST ES103 BLUE JAYS
- ECORE - BEAST ES00 BASIC BLACK
- ECORE - BEAST ES500 BLUE
- ECORE - BEAST ES15A STEEL APPEAL 2

CONSULTANT

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH AMADOR C40348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28326 AGOURA ROAD, SUITE 203
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(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

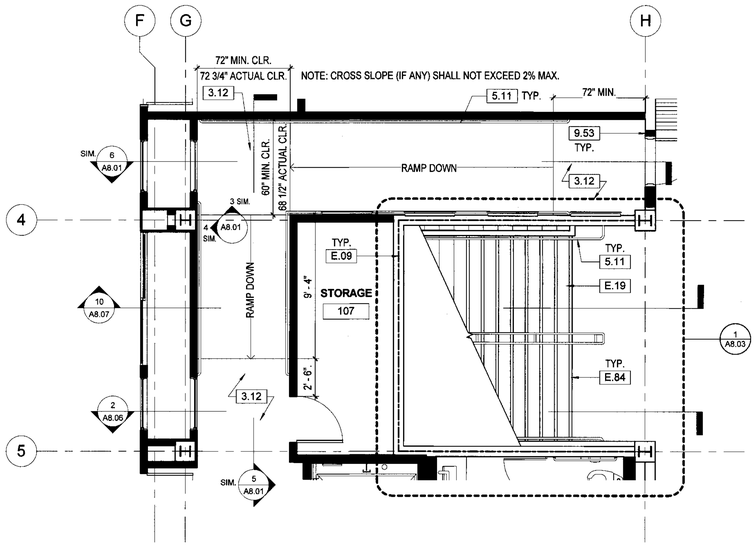
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	JOB NO: 16-MPC-023

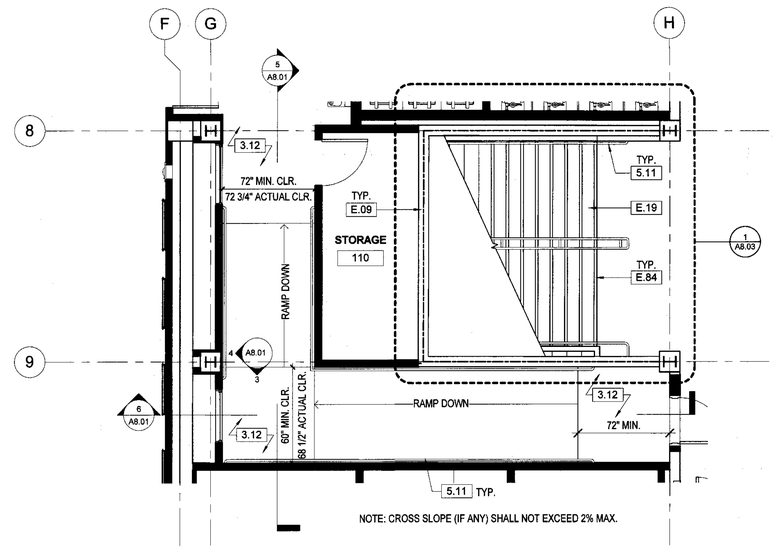
SPECIAL FLOORING GRAPHICS

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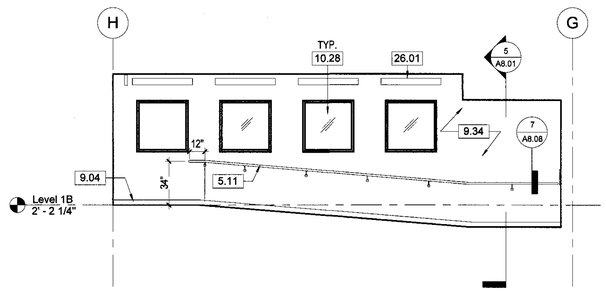
A7.06
__ OF __



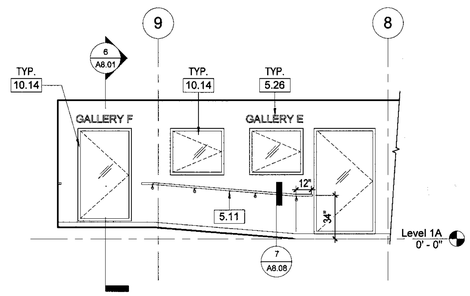
1 ENLARGED RAMP #1 PLAN
1/4" = 1'-0"



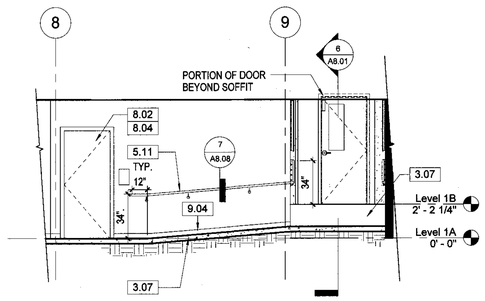
2 ENLARGED RAMP #2 PLAN
1/4" = 1'-0"



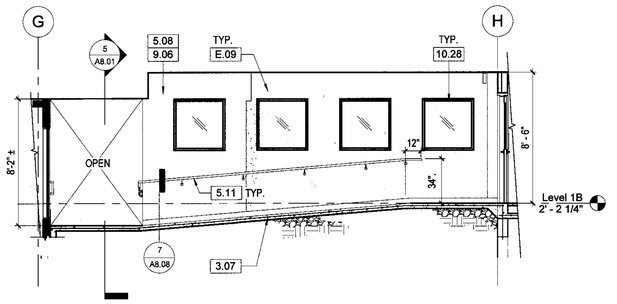
3 RAMP ELEVATION (UPPER)
1/4" = 1'-0"



4 RAMP ELEVATION AT DISPLAY CASES
1/4" = 1'-0"



5 SECTION AT LOWER RAMP
1/4" = 1'-0"



6 SECTION AT UPPER RAMP
1/4" = 1'-0"

EXISTING KEYNOTES E#

E.09 (E) CONCRETE WALL
E.19 (E) CONCRETE STAIR TO REMAIN
E.84 (E) 2" WIDE CAST-IN-PLACE CONTRAST STRIPE TO REMAIN

KEYNOTES

3.07 (N) CONCRETE RAMP - SEE 14/S0.11 FOR REINF. DETAILS
3.12 (N) CONCRETE RAMP LANDING, 2% SLOPE IN EITHER DIRECTION - SEE 14/S0.11 FOR REINF. DETAILS
5.08 (N) METAL STUD FRAMING
5.11 (N) STEEL HANDRAIL (PAINTED) - SEE DETAIL 7/A8.08
5.26 (N) NON-ILLUMINATED ALUMINUM LETTERING - SEE SHEETS A7.01 THRU A7.04
8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
9.04 (N) RUBBER TOPSET BASE
9.06 (N) 5/8" TYPE 'X' GYPSUM BOARD
9.34 (N) PAINT - SEE FINISH SCHEDULE
9.53 (N) METAL STUD WALL INFILL TO MATCH WIDTH OF (E) ADJACENT WALL, SEE DETAILS 8, 12, 13, 14 ON SHEET A5.16. SEE FLOOR PLANS FOR WALL TYPE
10.14 (N) DISPLAY CASE SLIDING WINDOW - SEE FLOOR PLAN FOR WINDOW TYPE
10.28 (N) DISPLAY CASE (SURFACE MOUNTED), FOR MOUNTING DETAIL SEE 4/A5.04A
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL

LEGEND

(E) 1HR PARTITION, 8" CONCRETE OR GYPSUM PLASTER ON METAL STUDS
(N) 1HR PARTITION, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
(N) 2HR PARTITION, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
NEW STUD WALL
EXISTING STUD WALL TO REMAIN
EXISTING CONCRETE WALL TO REMAIN

0' 2' 4' 8' 16'

CONSULTANT

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MOORPARK COLLEGE GYMNASIUM RENOVATION

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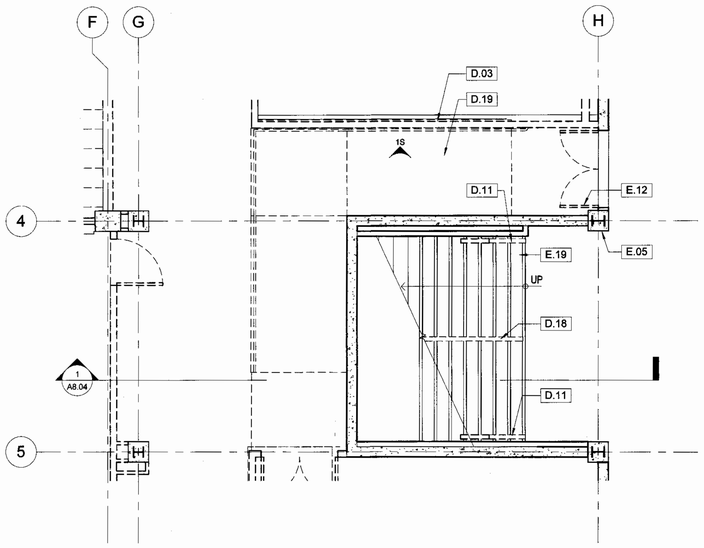
REVISIONS	DATE: 03/26/18
	DRAWN: TJL/WTJ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

NEW RAMP PLANS, SECTIONS AND DETAILS

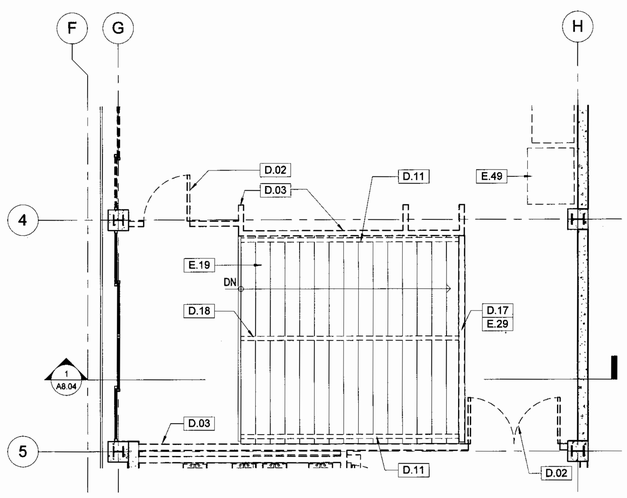
A8.01

___ OF ___

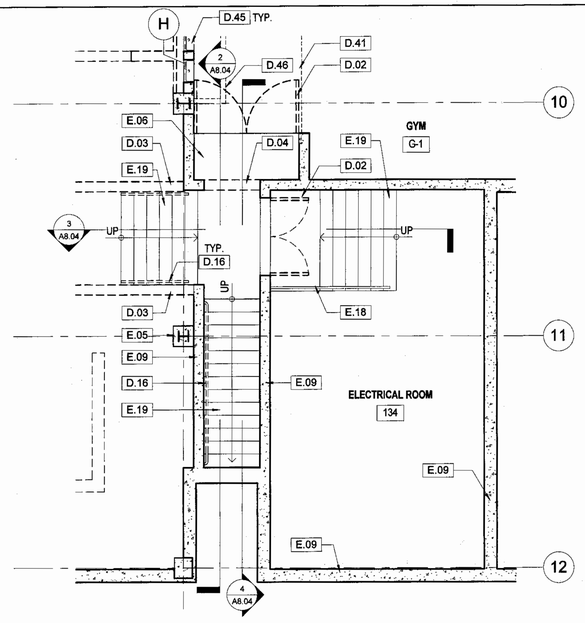
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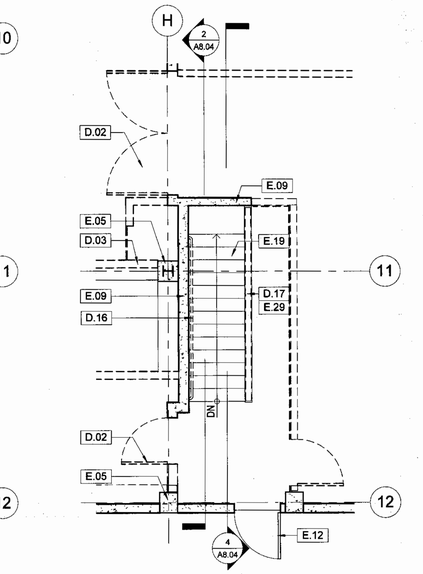
1 STAIR #2 PLAN - STAIR #3 MIRRORED (1st FLOOR)
1/4" = 1'-0"



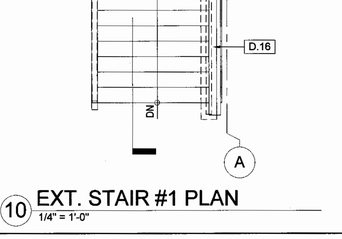
2 STAIR #2 PLAN - STAIR #3 MIRRORED (2nd FLOOR)
1/4" = 1'-0"



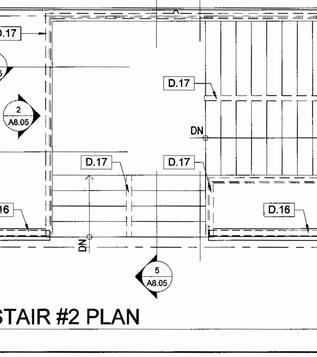
3 STAIR #4 PLAN (1st FLOOR)
1/4" = 1'-0"



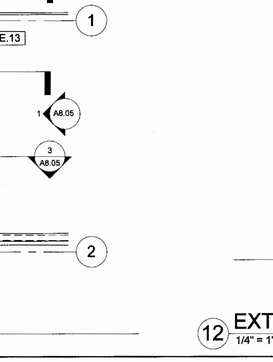
4 STAIR #4 PLAN (2nd FLOOR)
1/4" = 1'-0"



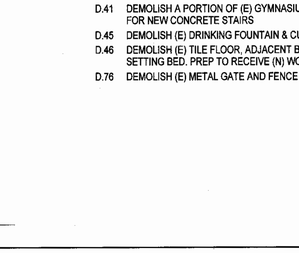
5 STAIR #1 PLAN (1st FLOOR)
1/4" = 1'-0"



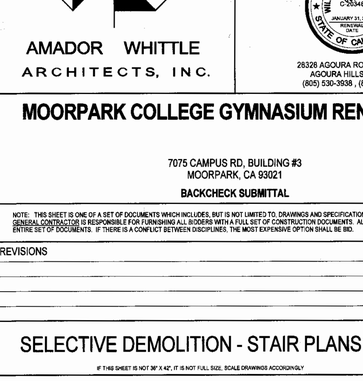
6 STAIR #1 PLAN (2nd FLOOR)
1/4" = 1'-0"



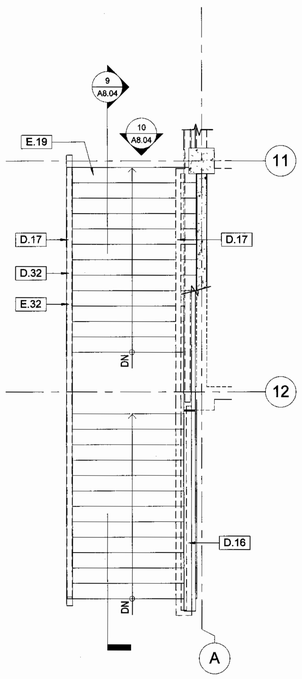
7 STAIR #5 PLAN (2nd FLOOR)
1/4" = 1'-0"



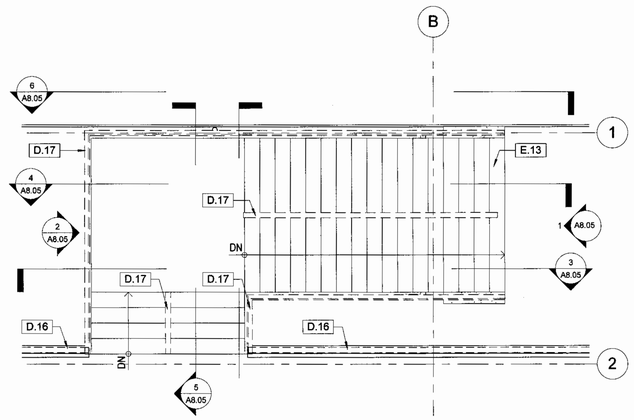
8 STAIR #5 PLAN (MEZZANINE)
1/4" = 1'-0"



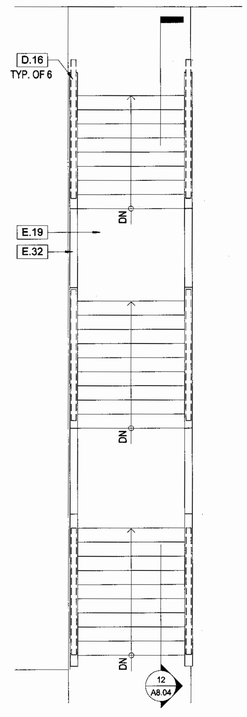
9 EXT. STAIR #3 PLAN
1/4" = 1'-0"



10 EXT. STAIR #1 PLAN
1/4" = 1'-0"



11 EXT. STAIR #2 PLAN
1/4" = 1'-0"



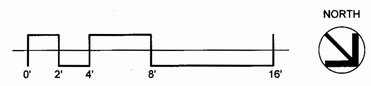
12 EXT. STAIR #4 PLAN
1/4" = 1'-0"

EXISTING KEYNOTES E#

- E.05 (E) CONCRETE COLUMN
- E.06 (E) CONCRETE SLAB TO REMAIN
- E.09 (E) CONCRETE WALL
- E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS
- E.13 (E) STAIRS TO REMAIN
- E.18 (E) RAILING TO REMAIN
- E.19 (E) CONCRETE STAIR TO REMAIN
- E.20 (E) STUD WALL TO REMAIN (1HR RATED WHERE SHOWN ON FLOOR PLANS)
- E.29 (E) CONCRETE GUARDRAIL WALL TO REMAIN
- E.32 (E) CONCRETE CURB TO REMAIN
- E.44 (E) 3 1/4" METAL STUD WALL TO REMAIN
- E.49 REMOVE (E) VENDING MACHINE, PREP AND CLEAN FOR RELOCATION - SEE A.102

DEMOLITION KEYNOTES D#

- D.02 DEMOLISH (E) DOOR, FRAME AND HARDWARE
- D.03 DEMOLISH (E) NON-BEARING, NON SHEAR WALL PARTITION
- D.04 SAWCUT AN OPENING IN (E) CONCRETE WALL PANEL FOR (N) DOOR OR WINDOW - COORD. SIZE OF OPENING WITH DOOR & WINDOW SCHEDULES - SEE 3/S2.00 FOR OPENING REINFORCING INFO
- D.11 DEMOLISH (E) HANDRAIL AND BRACKETS, PATCH & PAINT AT HOLES
- D.16 DEMOLISH (E) RAILING
- D.17 DEMOLISH (E) TOP RAIL - RETAIN (E) SUPPORT POSTS
- D.18 DEMOLISH (E) LAMINATED WOOD TOP RAIL AND METAL SUPPORT POSTS. PREP TO INSTALL (N) STEEL RAILING POSTS INTO (E) EMBEDMENT HOLES
- D.19 DEMOLISH (E) CONCRETE RAMP & HANDRAILS
- D.20 DEMOLISH (E) FIRE HOSE CABINET
- D.32 REMOVE (E) DRINKING FOUNTAIN AND RETAIN FOR USE BY OWNER
- D.41 DEMOLISH A PORTION OF (E) GYMNASIUM FLOOR TO ALLOW FOR NEW CONCRETE STAIRS
- D.45 DEMOLISH (E) DRINKING FOUNTAIN & CUSPIDOR
- D.46 DEMOLISH (E) TILE FLOOR, ADJACENT BORDER, BASE & SETTING BED. PREP TO RECEIVE (N) WOOD FLOOR.
- D.76 DEMOLISH (E) METAL GATE AND FENCE



CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APP. NO. 03-118379
AC FLS ZLM SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN WHITTLE C-30349 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

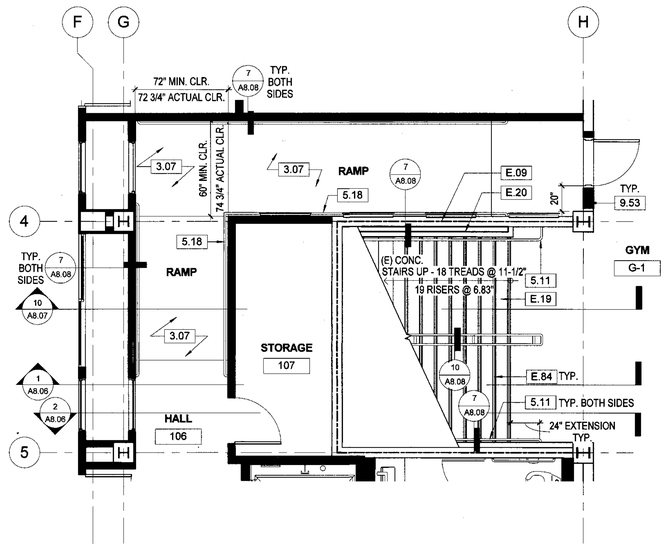
REVISIONS	DATE: 03/26/18
	DRAWN: TJL
	CHECK: RJF/ WJA
	JOB NO: 16-MPC-023

SELECTIVE DEMOLITION - STAIR PLANS

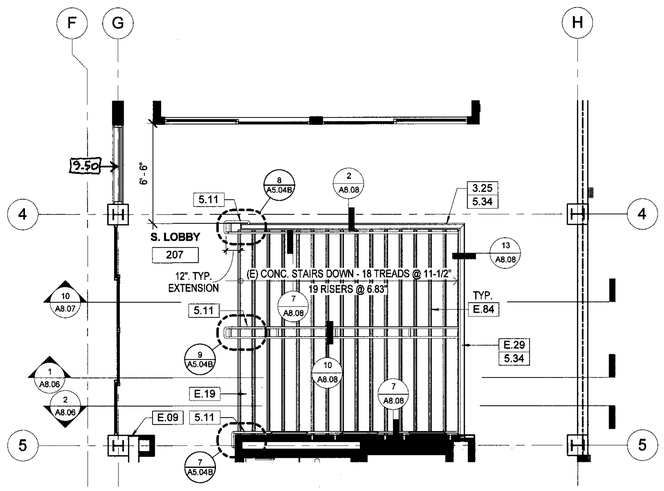
A8.02

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

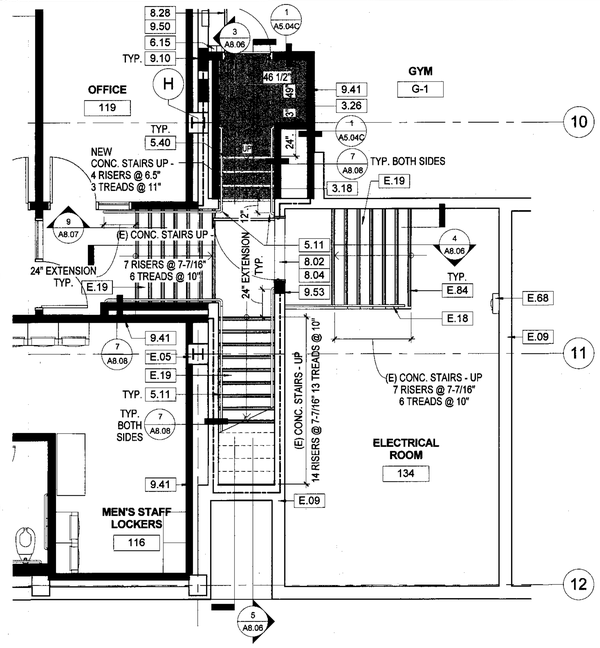
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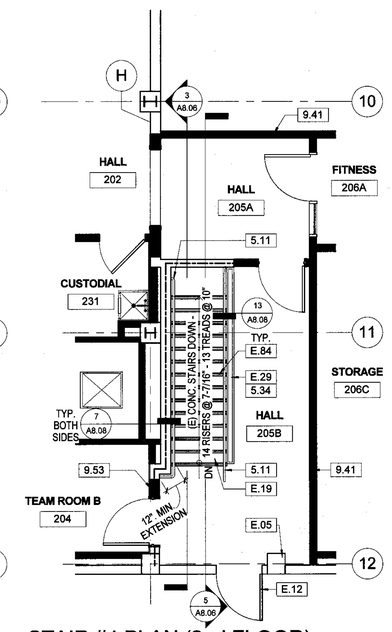
1 STAIR #2 PLAN - STAIR #3 MIRRORED (1st FLOOR)
1/4" = 1'-0"



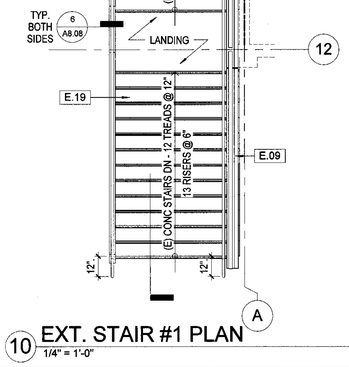
2 STAIR #2 PLAN - STAIR #3 MIRRORED (2nd FLOOR)
1/4" = 1'-0"



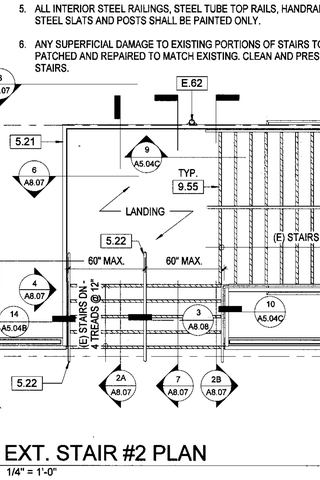
3 STAIR #4 PLAN (1st FLOOR)
1/4" = 1'-0"



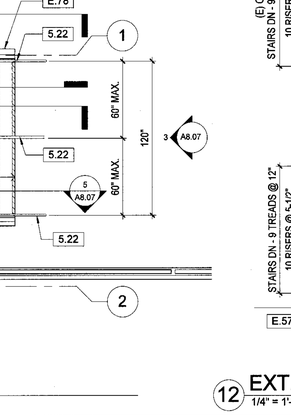
4 STAIR #4 PLAN (2nd FLOOR)
1/4" = 1'-0"



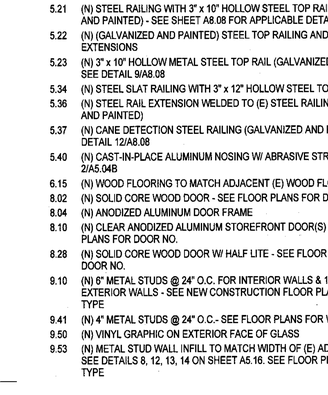
5 STAIR #1 PLAN (1st FLOOR)
1/4" = 1'-0"



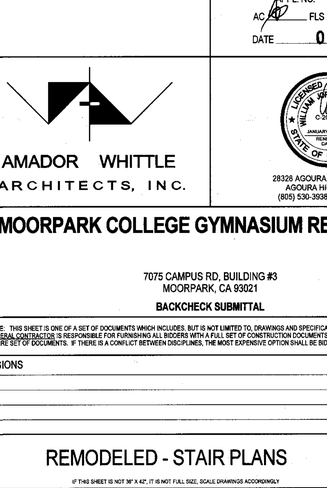
6 STAIR #1 PLAN (2nd FLOOR)
1/4" = 1'-0"



7 STAIR #5 PLAN (2nd FLOOR)
1/4" = 1'-0"



8 STAIR #5 PLAN (MEZZANINE)
1/4" = 1'-0"



9 EXT. STAIR #3 PLAN
1/4" = 1'-0"

EXISTING KEYNOTES E#

E.05 (E) CONCRETE COLUMN
E.09 (E) CONCRETE WALL
E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS
E.13 (E) STAIRS TO REMAIN
E.17 (E) CURB WALL AND RAILING TO REMAIN
E.18 (E) RAILING TO REMAIN
E.19 (E) CONCRETE STAIR TO REMAIN
E.20 (E) STUD WALL TO REMAIN (1HR RATED WHERE SHOWN ON FLOOR PLANS)
E.29 (E) CONCRETE GUARDRAIL WALL TO REMAIN
E.32 (E) CONCRETE CURB TO REMAIN
E.57 (E) CONCRETE SIDEWALK TO REMAIN
E.62 (E) LIGHT TO BE DETACHED FROM (E) RAILING AND REATTACHED TO MODIFIED RAILING - SEE 7B/S2.06 FOR ATTACHMENT DETAIL
E.68 (E) FIRE EXTINGUISHER CABINET TO REMAIN
E.78 (E) CONCRETE STEP TO REMAIN
E.84 (E) 2" WIDE CAST-IN-PLACE CONTRAST STRIPE TO REMAIN

KEYNOTES

3.07 (N) CONCRETE RAMP - SEE 14/S0.11 FOR REINF. DETAILS
3.18 (N) CONCRETE STAIRS - SEE 58/S2.04
3.25 (N) CONCRETE LOW WALL - SEE DETAIL 2/A8.08
3.26 (N) CONCRETE SLAB INFILL TO MATCH HEIGHT OF (E) GYM WOOD FLOOR - SEE 58/S2.04
5.11 (N) STEEL HANDRAIL (PAINTED) - SEE DETAIL 7/A8.08
5.18 (N) 1 1/4" DIAM. EXTRA STRONG STEEL RAILING (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
5.21 (N) STEEL RAILING WITH 3" x 10" HOLLOW STEEL TOP RAIL (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
5.22 (N) (GALVANIZED AND PAINTED) STEEL TOP RAILING AND HANDRAIL EXTENSIONS
5.23 (N) 3" x 10" HOLLOW METAL STEEL TOP RAIL (GALVANIZED AND PAINTED) - SEE DETAIL 9/A8.08
5.34 (N) STEEL SLAT RAILING WITH 3" x 12" HOLLOW STEEL TOP RAIL (PAINTED)
5.36 (N) STEEL RAIL EXTENSION WELDED TO (E) STEEL RAILING (GALVANIZED AND PAINTED)
5.37 (N) CANE DETECTION STEEL RAILING (GALVANIZED AND PAINTED) - SEE DETAIL 12/A8.08
5.40 (N) CAST-IN-PLACE ALUMINUM NOSING W/ ABRASIVE STRIPS, SEE 2/A5.04B
6.15 (N) WOOD FLOORING TO MATCH ADJACENT (E) WOOD FLOORING
8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
8.10 (N) CLEAR ANODIZED ALUMINUM STOREFRONT DOOR(S) - SEE FLOOR PLANS FOR DOOR NO.
8.28 (N) SOLID CORE WOOD DOOR W/ HALF LITE - SEE FLOOR PLANS FOR DOOR NO.
9.10 (N) 6" METAL STUDS @ 24" O.C. FOR INTERIOR WALLS & 16" O.C. AT EXTERIOR WALLS - SEE NEW CONSTRUCTION FLOOR PLANS FOR WALL TYPE
9.41 (N) 4" METAL STUDS @ 24" O.C.- SEE FLOOR PLANS FOR WALL TYPE
9.50 (N) VINYL GRAPHIC ON EXTERIOR FACE OF GLASS
9.53 (N) METAL STUD WALL INFILL TO MATCH WIDTH OF (E) ADJACENT WALL, SEE DETAILS 8, 12, 13, 14 ON SHEET A5.16. SEE FLOOR PLANS FOR WALL TYPE

KEYNOTES

9.55 (N) CONTRAST STRIPE TO BE PAINTED BLACK, SEE 7/A5.04A
9.56 (N) CONTRAST STRIPE TO BE PAINTED BLACK, SEE 1/A5.04B
10.12 (N) SURFACE MOUNTED FIRE EXTINGUISHER & CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE
10.31 (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTED 54" A.F.F. TO CL OF HANDLE - 4" MAX. PROTRUSION, SEE DETAIL 2/A5.04A.
22.01 (N) HI-LO DRINKING FOUNTAIN/BOTTLE FILLING STATION, SEE 1/A5.04A

NORTH
0' 2' 4' 8' 16'

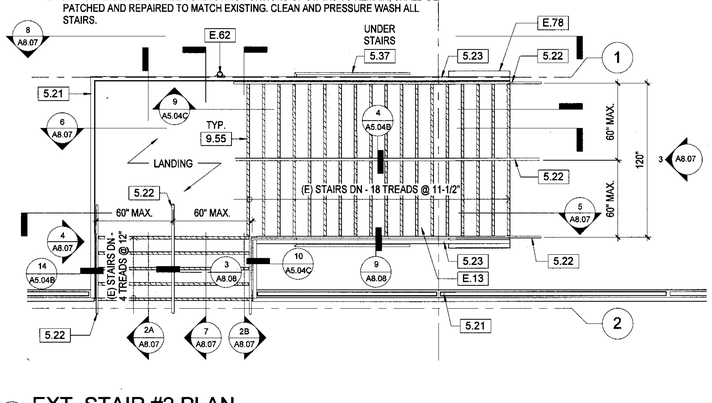
GENERAL STAIR NOTES:

1. ALL STAIRS SHOWN HERE ARE EXISTING UNLESS NOTED OTHERWISE.
2. INTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND LOWER TREAD MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. EXTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND ALL TREADS MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. SEE DETAIL 7/A5.04A AND DETAILS 1 & 2 ON SHEET A5.04B.
3. THE STRIPE SHALL BE A MINIMUM OF 2 INCHES (51MM) WIDE TO A MAXIMUM OF 4 INCHES (102 MM) WIDE PLACED PARALLEL TO, AND NOT MORE THAN 1 INCH (25 MM) FROM, THE NOSE OF THE STEP OR UPPER APPROACH. THE STRIPE SHALL EXTEND THE FULL WIDTH OF THE STEP OR UPPER APPROACH AND SHALL BE OF MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. A PAINTED STRIPE SHALL BE ACCEPTABLE. GROOVES SHALL NOT BE USED TO SATISFY THIS REQUIREMENT. SEE DETAIL 7/A5.04A AND DETAILS 1 & 2 ON SHEET A5.04B.
4. ALL (N) EXTERIOR STEEL RAILINGS, STEEL TUBE TOP RAILS, HANDRAILS, INTERMEDIATE STEEL SLATS AND POSTS AND MISC. EXPOSED STEEL PARTS SHALL BE GALVANIZED AND FIELD PAINTED. ALL (E) EXTERIOR STEEL RAILINGS, HANDRAILS AND POSTS, STAIR STRINGERS, TREAD PANS AND LANDINGS AND MISC. EXPOSED STEEL PARTS SHALL BE CLEANED, PREPPED AND FIELD PAINTED.
5. ALL INTERIOR STEEL RAILINGS, STEEL TUBE TOP RAILS, HANDRAILS, INTERMEDIATE STEEL SLATS AND POSTS SHALL BE PAINTED ONLY.
6. ANY SUPERFICIAL DAMAGE TO EXISTING PORTIONS OF STAIRS TO REMAIN, SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING. CLEAN AND PRESSURE WASH ALL STAIRS.

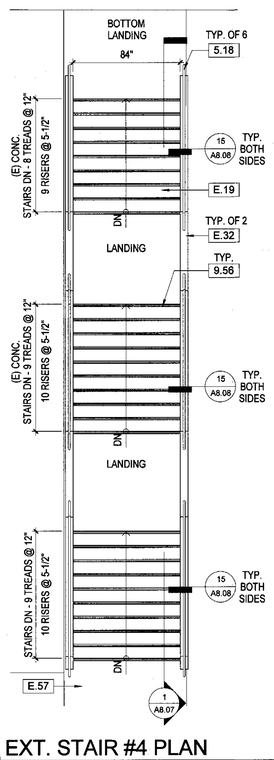
LEGEND

- (E) 1HR PARTITION, 8" CONCRETE OR GYPSUM PLASTER ON METAL STUDS
- (N) 1HR PARTITION, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
- (N) 2HR PARTITION, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
- NEW STUD WALL
- EXISTING STUD WALL TO REMAIN
- EXISTING CONCRETE WALL TO REMAIN

10 EXT. STAIR #1 PLAN
1/4" = 1'-0"



11 EXT. STAIR #2 PLAN
1/4" = 1'-0"



12 EXT. STAIR #4 PLAN
1/4" = 1'-0"

CONSULTANT

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DIVISION OF THE STATE ARCHITECT
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DATE 06-19-18

LICENSED ARCHITECT WILLIAM VINCENT FLOOR No. C-30948 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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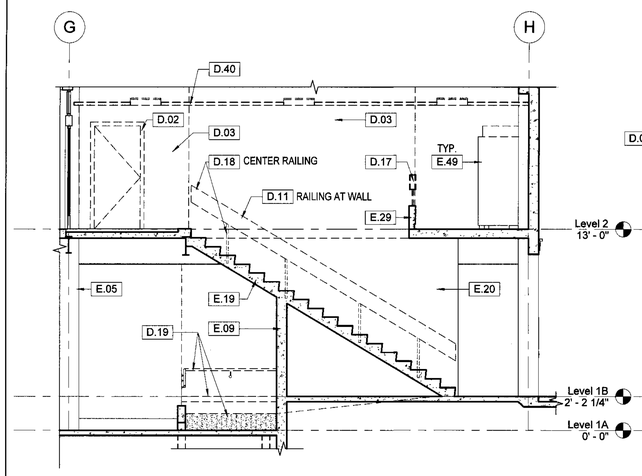
REVISIONS	DATE: 03/26/18
	DRAWN: WTJ/TJL/MJQ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

REMODELED - STAIR PLANS

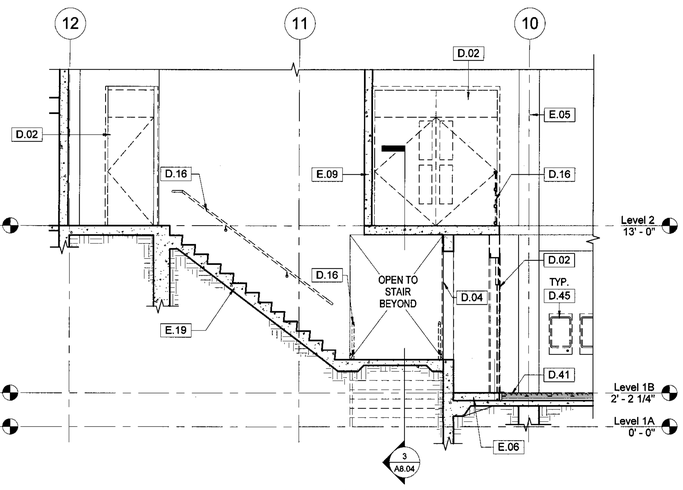
A8.03

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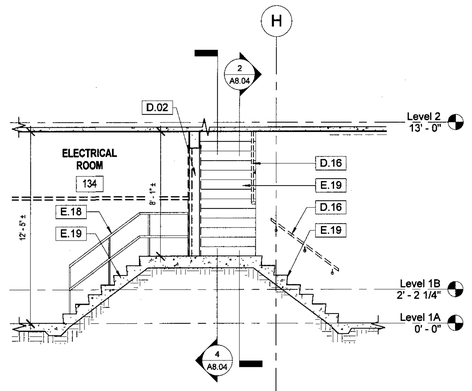
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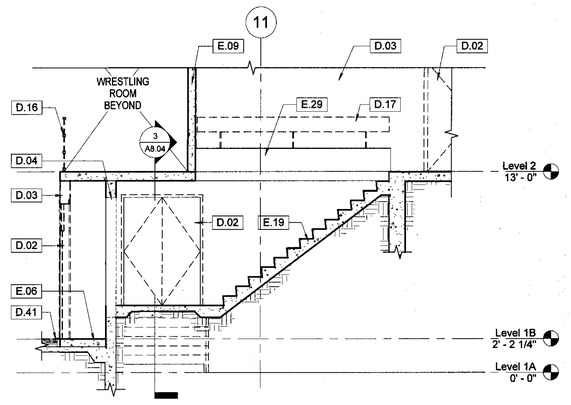
1 SECTION AT STAIR #2 BOTH SIDES (STAIR #3 SIM.)
1/4" = 1'-0"



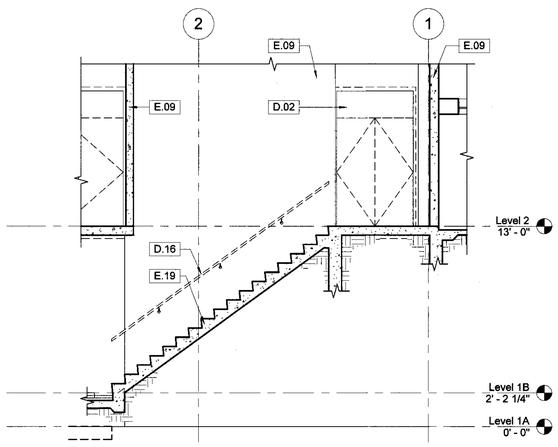
2 SECTION AT STAIR #4
1/4" = 1'-0"



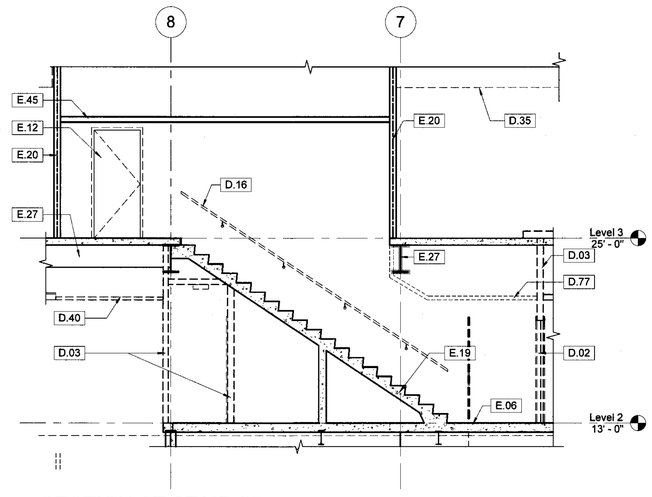
3 CROSS-SECTION AT STAIR #4
1/4" = 1'-0"



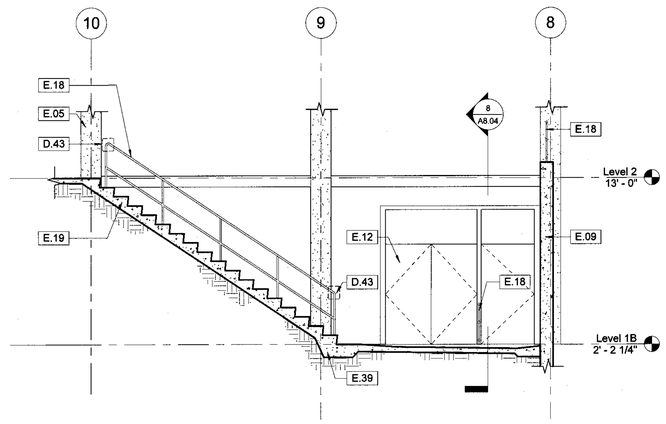
4 SECTION AT STAIR #4
1/4" = 1'-0"



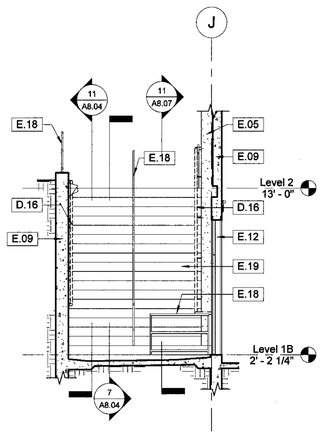
5 SECTION AT STAIR #1
1/4" = 1'-0"



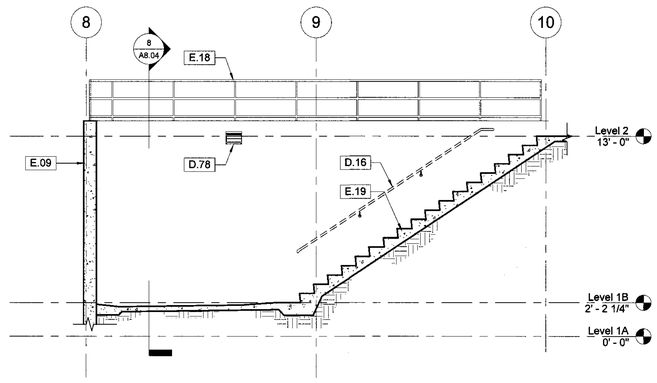
6 SECTION AT STAIR #5
1/4" = 1'-0"



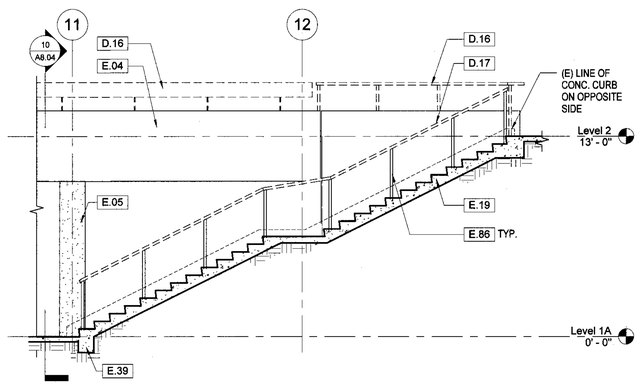
7 SECTION - CENTER RAIL AT EXT. STAIR #3
1/4" = 1'-0"



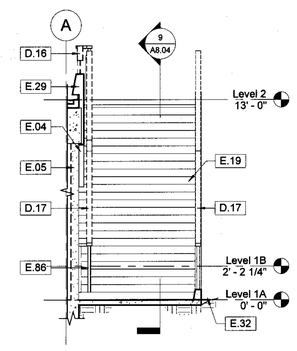
8 SECTION (ELEV.) AT EXT. STAIR #3
1/4" = 1'-0"



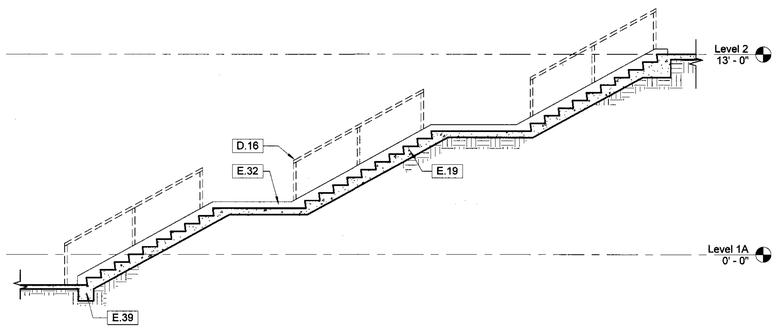
11 SECTION - EXT. STAIR #3 (OPP. WALL SIM)
1/4" = 1'-0"



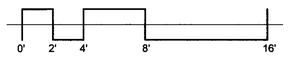
9 SECTION AT EXT. STAIR #1
1/4" = 1'-0"



SECTION (ELEV.) AT EXT. STAIR #1
10 1/4" = 1'-0"



12 SECTION AT EXT. STAIR #4 (EXTERIOR RAIL)
1/4" = 1'-0"



EXISTING KEYNOTES E#

- E.04 (E) PRECAST TEXTURED CONCRETE WALL PANEL
- E.05 (E) CONCRETE COLUMN
- E.06 (E) CONCRETE SLAB TO REMAIN
- E.09 (E) CONCRETE WALL
- E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS
- E.18 (E) RAILING TO REMAIN
- E.19 (E) CONCRETE STAIR TO REMAIN
- E.20 (E) STUD WALL TO REMAIN (1HR RATED WHERE SHOWN ON FLOOR PLANS)
- E.27 (E) STEEL BEAM WITH 3HR FIREPROOFING TO REMAIN
- E.29 (E) CONCRETE GUARDRAIL WALL TO REMAIN
- E.32 (E) CONCRETE CURB TO REMAIN
- E.39 (E) CONCRETE FOOTING TO REMAIN
- E.45 (E) SUSPENDED GYPSUM BOARD CEILING TO REMAIN
- E.49 REMOVE (E) VENDING MACHINE, PREP AND CLEAN FOR RELOCATION - SEE A1.02A
- E.86 (E) RAILING POSTS TO REMAIN

DEMOLITION KEYNOTES D#

- D.02 DEMOLISH (E) DOOR, FRAME AND HARDWARE
- D.03 DEMOLISH (E) NON-BEARING, NON SHEAR WALL PARTITION
- D.04 SAWCUT AN OPENING IN (E) CONCRETE WALL PANEL FOR (N) DOOR OR WINDOW - COORD. SIZE OF OPENING WITH DOOR & WINDOW SCHEDULES - SEE 3/S2.00 FOR OPENING REINFORCING INFO
- D.11 DEMOLISH (E) HANDRAIL AND BRACKETS, PATCH & PAINT AT HOLES
- D.16 DEMOLISH (E) RAILING
- D.17 DEMOLISH (E) TOP RAIL - RETAIN (E) SUPPORT POSTS
- D.18 DEMOLISH (E) LAMINATED WOOD TOP RAIL AND METAL SUPPORT POSTS. PREP TO INSTALL (N) STEEL RAILING POSTS INTO (E) EMBEDMENT HOLES
- D.19 DEMOLISH (E) CONCRETE RAMP & HANDRAILS
- D.35 DEMOLISH (E) DUCT - SEE MECH DWGS FOR SCOPE
- D.40 DEMOLISH (E) CEILING AND LIGHT FIXTURES
- D.41 DEMOLISH A PORTION OF (E) GYMNASIUM FLOOR TO ALLOW FOR NEW CONCRETE STAIRS
- D.43 DEMOLISH A PORTION OF (E) GALVANIZED RAIL, PREP FOR ADDITION OF NEW RAIL TERMINATION
- D.45 DEMOLISH (E) DRINKING FOUNTAIN & CUSPIDOR
- D.77 DEMOLISH (E) SUSPENDED GYPSUM BOARD CEILING
- D.78 (E) LIGHT FIXTURE TO BE REPLACED - SEE ELECTRICAL PLANS

CONSULTANT

DIVISION OF THE STATE ARCHITECT
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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS ZM SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM WHITTLE AMADOR C 20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

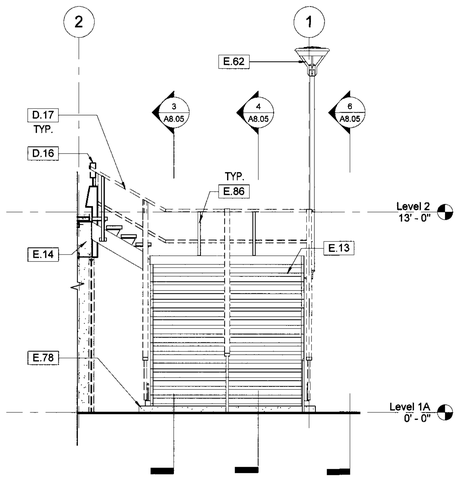
BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

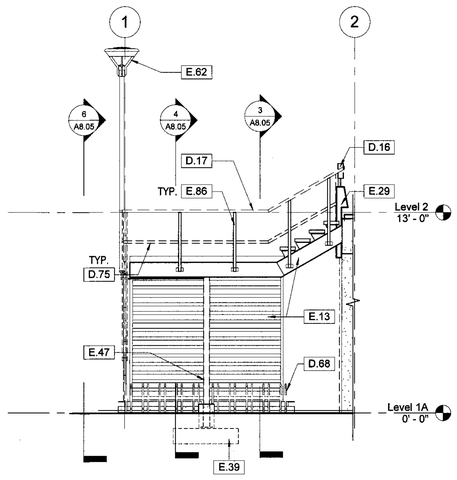
REVISIONS	DATE: 03/26/18
	DRAWN: TJL/MJQ
	CHECK: Checker
	JOB NO: 16-MPC-023

SELECTIVE DEMOLITION - STAIR SECTIONS AND ELEVATIONS
IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

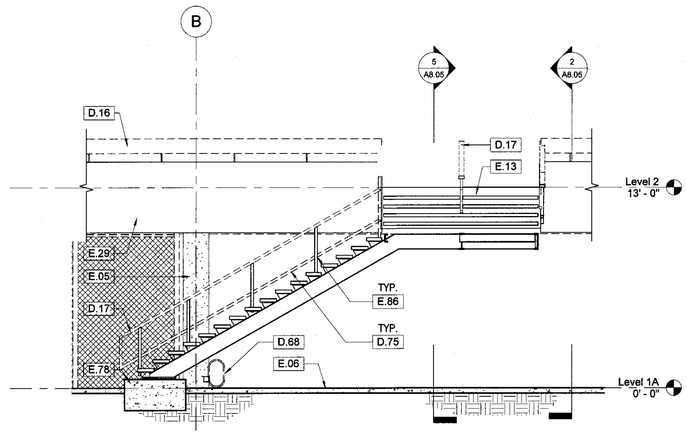
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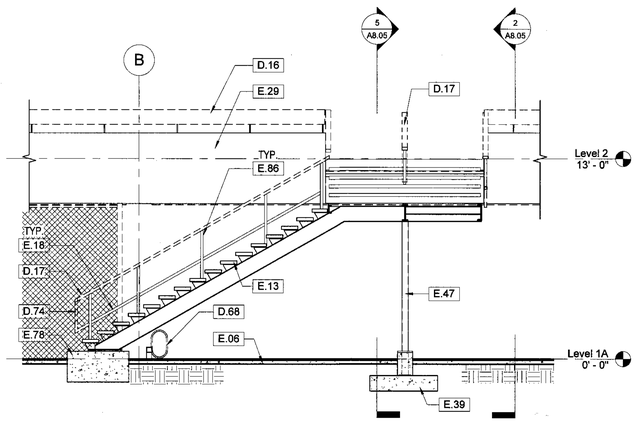
1 FRONT ELEVATION AT EXT. STAIR #2 - DEMOLITION
1/4" = 1'-0"



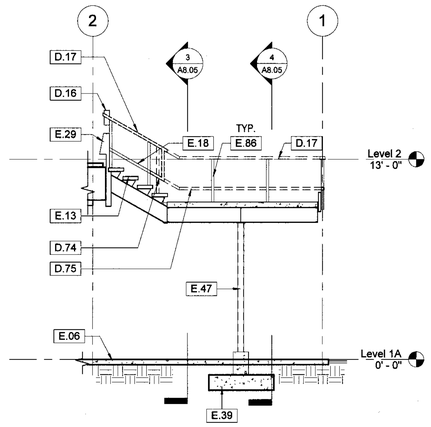
2 REAR ELEVATION AT EXT. STAIR #2 - DEMOLITION
1/4" = 1'-0"



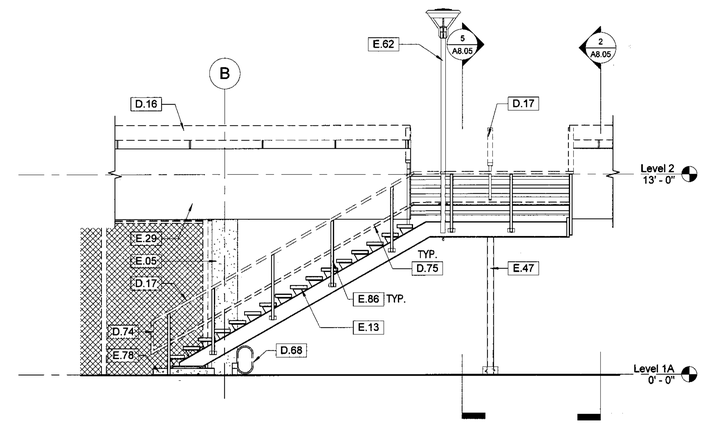
3 SECTION AT EXT. STAIR #2 - INSIDE RAIL - DEMOLITION
1/4" = 1'-0"



4 SECTION AT EXT. STAIR #2 - CENTER RAIL - DEMOLITION
1/4" = 1'-0"



SECTION AT EXT. STAIR #2 -
5 UPPER CENTER RAIL - DEMOLITION
1/4" = 1'-0"



6 ELEVATION AT EXT. STAIR #2 - OUTSIDE RAIL - DEMOLITION
1/4" = 1'-0"

0' 2' 4' 8' 16'

EXISTING KEYNOTES E#

- E.05 (E) CONCRETE COLUMN
- E.06 (E) CONCRETE SLAB TO REMAIN
- E.13 (E) STAIRS TO REMAIN
- E.14 (E) CONCRETE BEAM TO REMAIN
- E.18 (E) RAILING TO REMAIN
- E.29 (E) CONCRETE GUARDRAIL WALL TO REMAIN
- E.39 (E) CONCRETE FOOTING TO REMAIN
- E.47 (E) 5" x 5" x 1/4" STAIR SUPPORT STEEL TUBE COLUMN TO REMAIN
- E.62 (E) LIGHT TO BE DETACHED FROM (E) RAILING AND REATTACHED TO MODIFIED RAILING - SEE 76/S2.06 FOR ATTACHMENT DETAIL
- E.78 (E) CONCRETE STEP TO REMAIN
- E.86 (E) RAILING POSTS TO REMAIN

DEMOLITION KEYNOTES D#

- D.16 DEMOLISH (E) RAILING
- D.17 DEMOLISH (E) TOP RAIL - RETAIN (E) SUPPORT POSTS
- D.68 DEMOLISH (E) BIKE RACK
- D.74 DEMOLISH PORTION OF (E) RAILING, PATCH & PREP FOR (N) HANDRAIL EXTENSION
- D.75 DEMOLISH (E) MID RAILING, PATCH & PREP FOR (N) STEEL SLATS

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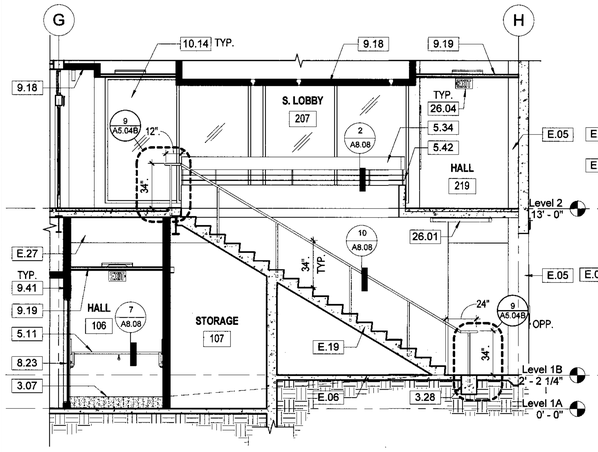
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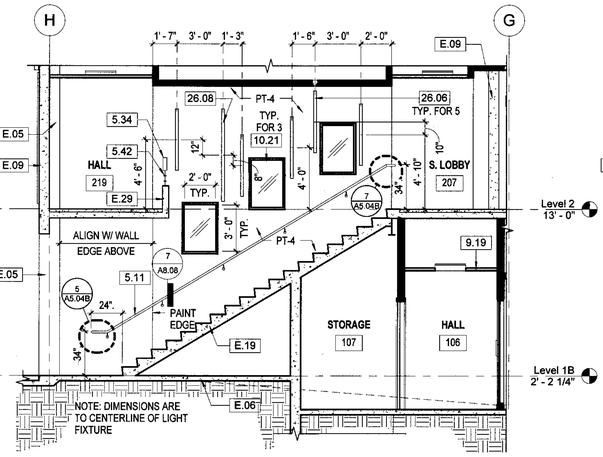
REVISIONS	DATE: 03/26/18
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	JOB NO: 16-MPC-023

SELECTIVE DEMOLITION - STAIR SECTIONS AND ELEVATIONS
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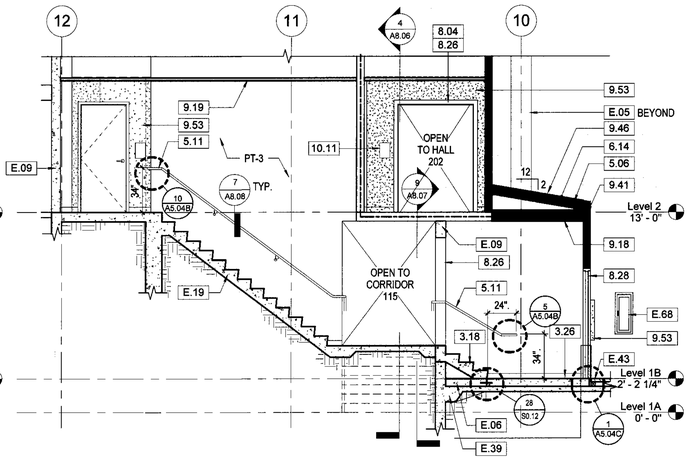
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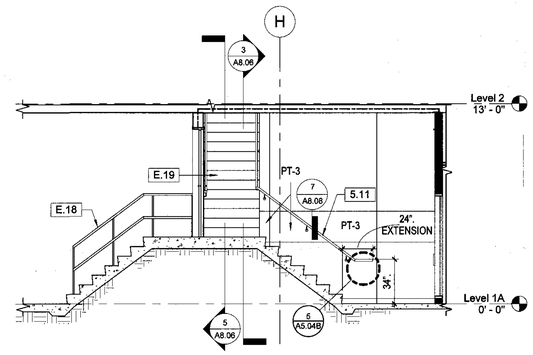
1 SECTION AT STAIR # 2 (STAIR #3 SIM.)
1/4" = 1'-0"



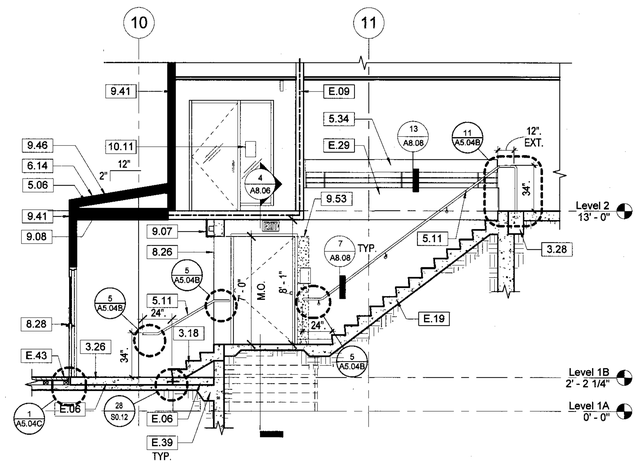
2 SECTION AT STAIR #2 (STAIR #3 SIM.)
1/4" = 1'-0"



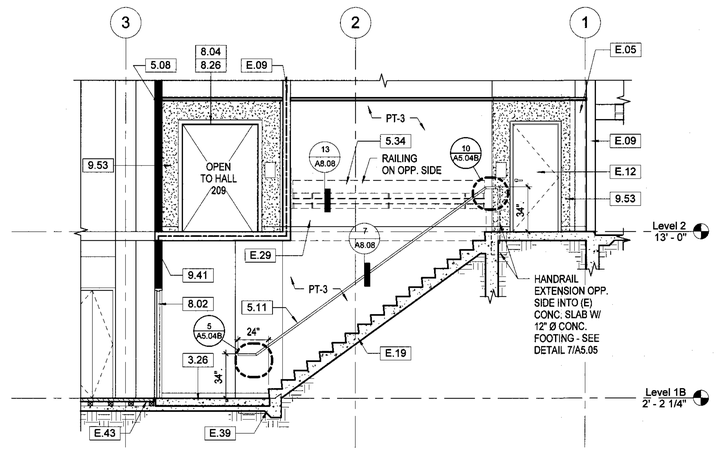
3 SECTION AT STAIR #4
1/4" = 1'-0"



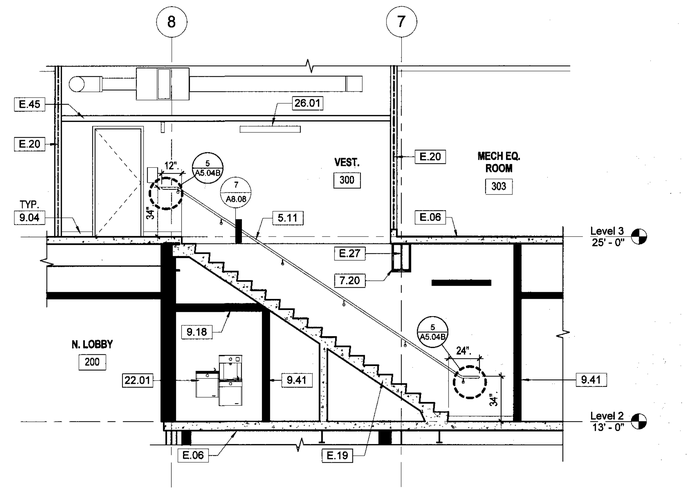
4 CROSS-SECTION AT STAIR #4
1/4" = 1'-0"



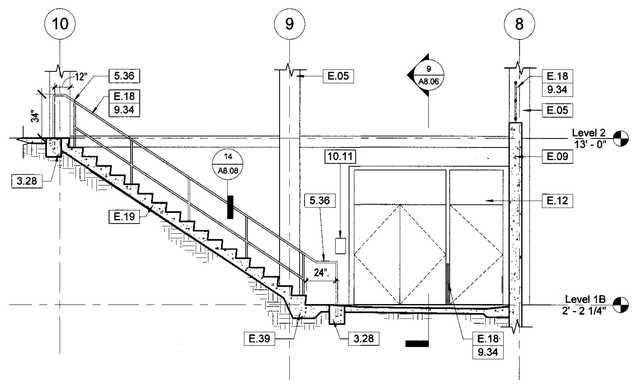
5 SECTION AT STAIR #4
1/4" = 1'-0"



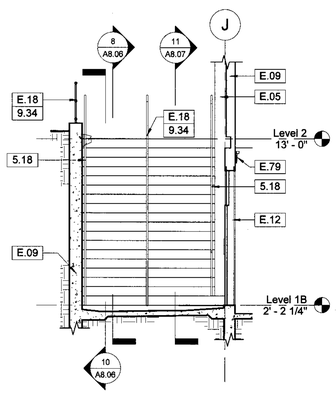
6 SECTION AT STAIR #1 (SIM. OPPOSITE WALL)
1/4" = 1'-0"



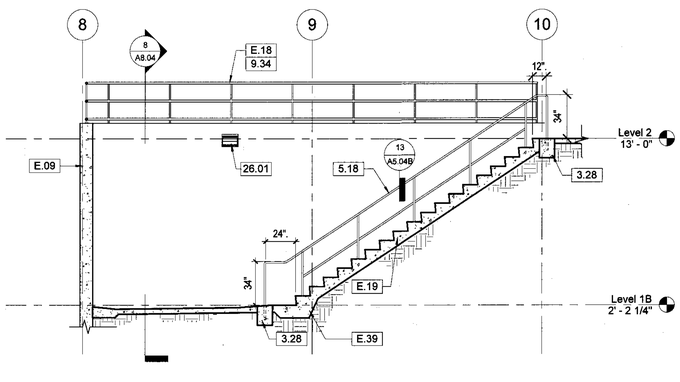
7 SECTION AT STAIR #5 (SIM. OPPOSITE WALL)
1/4" = 1'-0"



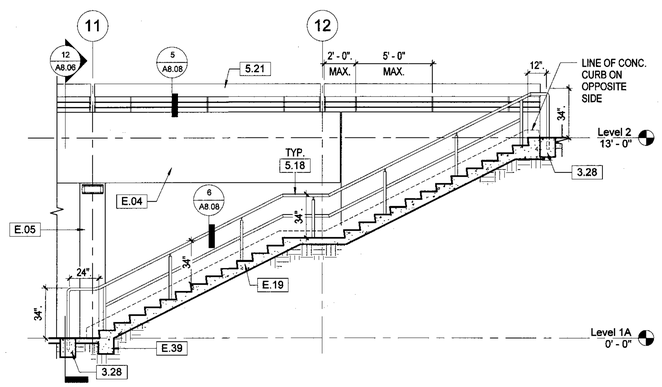
5 SECTION AT STAIR #4
1/4" = 1'-0"



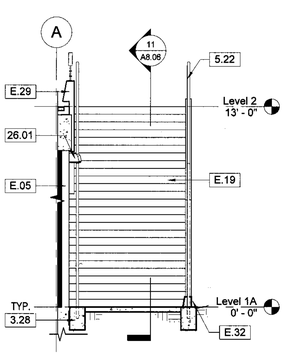
6 SECTION AT STAIR #1 (SIM. OPPOSITE WALL)
1/4" = 1'-0"



7 SECTION AT STAIR #5 (SIM. OPPOSITE WALL)
1/4" = 1'-0"



8 SECTION - CENTER RAIL AT EXT. STAIR #3
1/4" = 1'-0"



SECTION (ELEV.) AT EXT. STAIR #1
12 1/4" = 1'-0"

9 SECTION (ELEV.) AT EXT. STAIR #3
1/4" = 1'-0"

10 SECTION - EXT. STAIR #3
1/4" = 1'-0"

11 SECTION AT EXT. STAIR #1 (SIM. OPPOSITE WALL)
1/4" = 1'-0"

GENERAL STAIR NOTES:

1. ALL STAIRS SHOWN HERE ARE EXISTING UNLESS NOTED OTHERWISE.
2. INTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND LOWER TREAD MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. EXTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND ALL TREADS MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. SEE DETAIL 7/A5.04A AND DETAILS 1 & 2 ON SHEET A5.04B.
3. THE STRIPE SHALL BE A MINIMUM OF 2 INCHES (51MM) WIDE TO A MAXIMUM OF 4 INCHES (102 MM) WIDE PLACED PARALLEL TO, AND NOT MORE THAN 1 INCH (25 MM) FROM, THE NOSE OF THE STEP OR UPPER APPROACH. THE STRIPE SHALL EXTEND THE FULL WIDTH OF THE STEP OR UPPER APPROACH AND SHALL BE OF MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. A PAINTED STRIPE SHALL BE ACCEPTABLE. GROOVES SHALL NOT BE USED TO SATISFY THIS REQUIREMENT. SEE DETAIL 7/A5.04A AND DETAILS 1 & 2 ON SHEET A5.04B.
4. ALL (N) EXTERIOR STEEL RAILINGS, STEEL TUBE TOP RAILS, HANDRAILS, INTERMEDIATE STEEL SLATS AND POSTS AND MISC. EXPOSED STEEL PARTS SHALL BE GALVANIZED AND FIELD PAINTED. ALL (E) EXTERIOR STEEL RAILINGS, HANDRAILS AND POSTS, STAIR STRINGERS, TREAD PANS AND LANDINGS AND MISC. EXPOSED STEEL PARTS SHALL BE CLEANED, PREPPED AND FIELD PAINTED.
5. ALL INTERIOR STEEL RAILINGS, STEEL TUBE TOP RAILS, HANDRAILS, INTERMEDIATE STEEL SLATS AND POSTS SHALL BE PAINTED ONLY.
6. ANY SUPERFICIAL DAMAGE TO EXISTING PORTIONS OF STAIRS TO REMAIN, SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING. CLEAN AND PRESSURE WASH ALL STAIRS.

LEGEND

- (E) 1HR PARTITION, 8" CONCRETE OR GYPSUM PLASTER ON METAL STUDS
- (N) 1HR PARTITION, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
- (N) 2HR PARTITION, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
- NEW STUD WALL
- EXISTING STUD WALL TO REMAIN
- EXISTING CONCRETE WALL TO REMAIN

EXISTING KEYNOTES E#

- E.04 (E) PRECAST TEXTURED CONCRETE WALL PANEL
- E.05 (E) CONCRETE COLUMN
- E.06 (E) CONCRETE SLAB TO REMAIN
- E.09 (E) CONCRETE WALL
- E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS
- E.18 (E) RAILING TO REMAIN
- E.19 (E) CONCRETE STAIR TO REMAIN
- E.20 (E) STUD WALL TO REMAIN (1HR RATED WHERE SHOWN ON FLOOR PLANS)
- E.27 (E) STEEL BEAM WITH 3HR FIREPROOFING TO REMAIN
- E.29 (E) CONCRETE GUARDRAIL WALL TO REMAIN
- E.32 (E) CONCRETE CURB TO REMAIN
- E.39 (E) CONCRETE FOOTING TO REMAIN
- E.43 (E) GYMNASIUM FLOOR TO REMAIN
- E.45 (E) SUSPENDED GYPSUM BOARD CEILING TO REMAIN
- E.68 (E) FIRE EXTINGUISHER CABINET TO REMAIN
- E.79 (E) EXIT SIGN TO REMAIN

KEYNOTES

- 3.07 (N) CONCRETE RAMP - SEE 14/S0.11 FOR REINF. DETAILS
- 3.18 (N) CONCRETE STAIRS - SEE 58/S2.04
- 3.26 (N) CONCRETE SLAB INFILL TO MATCH HEIGHT OF (E) GYM WOOD FLOOR - SEE 58/S2.04
- 3.28 (N) 12" Ø X 24" DEEP CONCRETE FOOTING - SEE DETAIL 7/A5.05
- 5.06 (N) STEEL JOIST FRAMING - SEE STRUCTURAL
- 5.08 (N) METAL STUD FRAMING
- 5.11 (N) STEEL HANDRAIL (PAINTED) - SEE DETAIL 7/A8.08
- 5.18 (N) 1 1/4" DIAM. EXTRA STRONG STEEL RAILING (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
- 5.21 (N) STEEL RAILING WITH 3" x 10" HOLLOW STEEL TOP RAIL (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
- 5.22 (N) (GALVANIZED AND PAINTED) STEEL TOP RAILING AND HANDRAIL EXTENSIONS
- 5.34 (N) STEEL SLAT RAILING WITH 3" x 12" HOLLOW STEEL TOP RAIL (PAINTED)
- 5.36 (N) STEEL RAIL EXTENSION WELDED TO (E) STEEL RAILING (GALVANIZED AND PAINTED)
- 5.42 (N) INTERMEDIATE STEEL SLATS (PAINTED)
- 6.14 (N) FIRE TREATED 5/8" PLYWOOD
- 7.20 (N) 3HR VERMICULITE PLASTER FIREPROOFING MONOKOTE MK(UL #ER4339-02)
- 8.02 (N) SOLID CORE WOOD DOOR - SEE FLOOR PLANS FOR DOOR NO.
- 8.04 (N) ANODIZED ALUMINUM DOOR FRAME
- 8.23 (N) CLEAR ANODIZED ALUMINUM OPERABLE DISPLAY WINDOW (180° SWING) - SEE FLOOR PLANS FOR WINDOW TYPE
- 8.26 (N) OPENING IN (E) CONC. WALL - SEE DETAIL 3/S2.00
- 8.28 (N) SOLID CORE WOOD DOOR W/ HALF LITE - SEE FLOOR PLANS FOR DOOR NO.
- 9.04 (N) RUBBER TOPSET BASE
- 9.07 (N) 5/8" TYPE 'X' GYPSUM BOARD WITH RESILIENT CHANNELS

KEYNOTES

- 9.08 (N) 1 HR RATED GYPSUM BOARD CEILING (UL# L524) - SEE DETAIL 9/A5.11A
- 9.18 (N) 5/8" TYPE 'X' GYPSUM BOARD CEILING
- 9.19 (N) SUSPENDED ACOUSTICAL CEILING
- 9.34 (N) PAINT - SEE FINISH SCHEDULE
- 9.41 (N) 4" METAL STUDS @ 24" O.C.- SEE FLOOR PLANS FOR WALL TYPE
- 9.46 (N) 5/8" TYPE 'X' IMPACT RESISTANT GYPSUM BOARD
- 9.53 (N) METAL STUD WALL INFILL TO MATCH WIDTH OF (E) ADJACENT WALL, SEE DETAILS 8, 12, 13, 14 ON SHEET A5.16. SEE FLOOR PLANS FOR WALL TYPE
- 10.11 (N) SIGNAGE - SEE SHEETS A7.01 THRU A7.04
- 10.14 (N) DISPLAY CASE SLIDING WINDOW - SEE FLOOR PLAN FOR WINDOW TYPE
- 10.21 (N) SURFACE MOUNTED DISPLAY CASE (INTERNALLY ILLUMINATED W/LED), FOR MOUNTING DETAIL SEE 4/A5.04A
- 22.01 (N) HI-LO DRINKING FOUNTAIN/BOTTLE FILLING STATION, SEE 1/A5.04A
- 26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL
- 26.04 (N) ILLUMINATED EXIT SIGN
- 26.06 (N) LINEAR RECESSED LIGHT FIXTURE, 4FT LENGTH - SEE ELECTRICAL
- 26.08 (N) LINEAR RECESSED LIGHT FIXTURE, 6FT LENGTH - SEE ELECTRICAL

0' 2' 4' 8' 16'

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM J. SHORE C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

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MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
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BACKCHECK SUBMITTAL

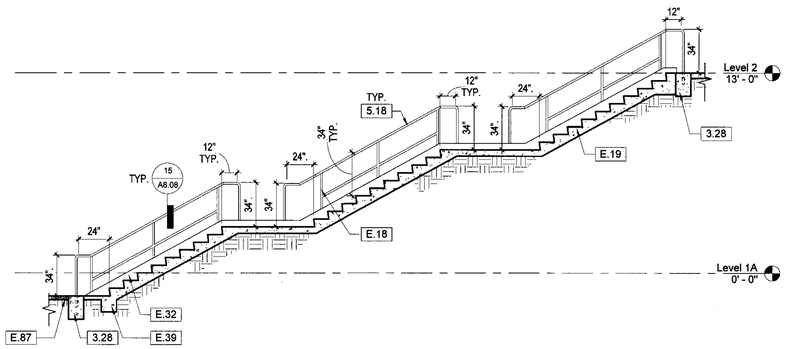
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REVISIONS	DATE: 03/26/18
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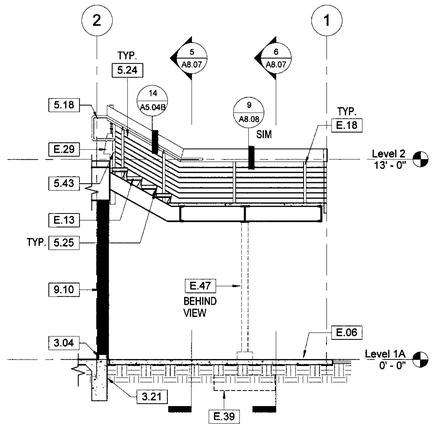
NEW - STAIR SECTIONS AND ELEVATIONS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

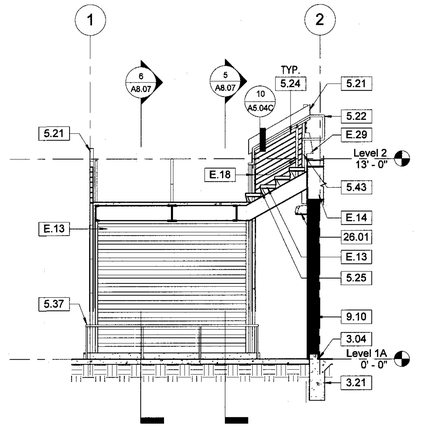
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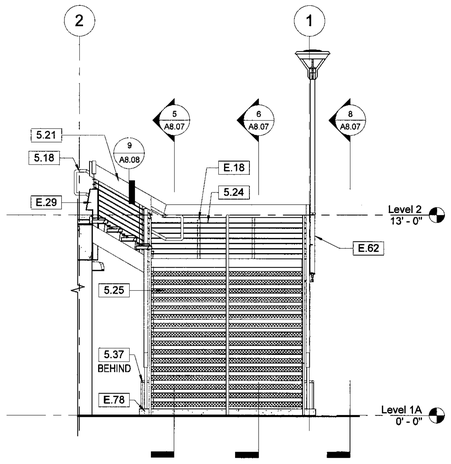
1 SECTION AT EXT. STAIR #4 (TYP. BOTH SIDES)
1/4" = 1'-0"



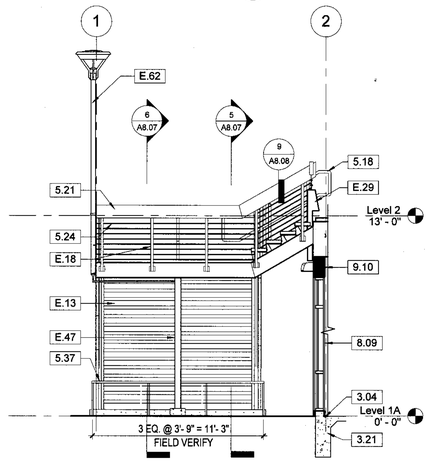
2A SECTION AT EXT. STAIR #2 - OUTER RAIL
1/4" = 1'-0"



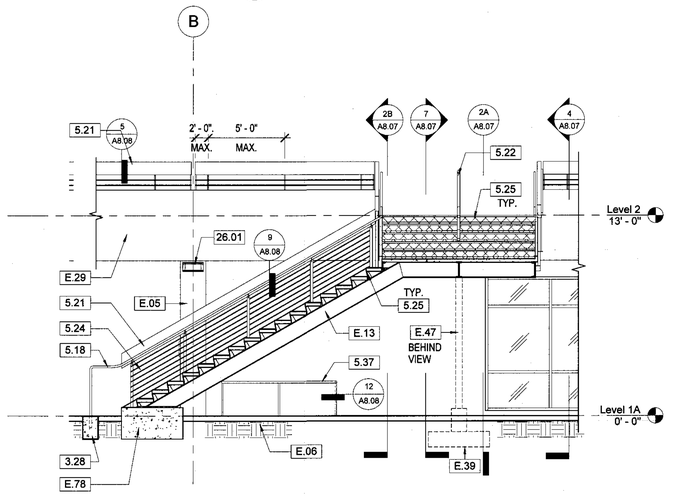
2B SECTION AT EXT. STAIR #2 - INNER RAIL
1/4" = 1'-0"



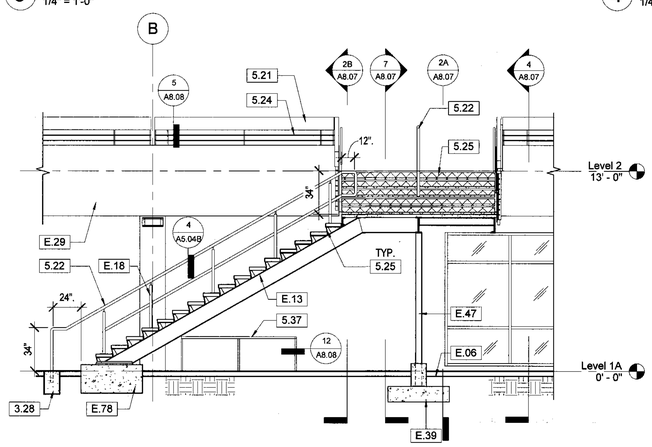
3 FRONT ELEVATION AT EXT. STAIR #2
1/4" = 1'-0"



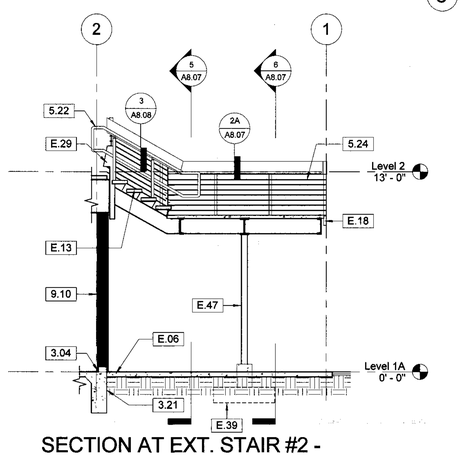
4 REAR ELEVATION AT EXT. STAIR #2
1/4" = 1'-0"



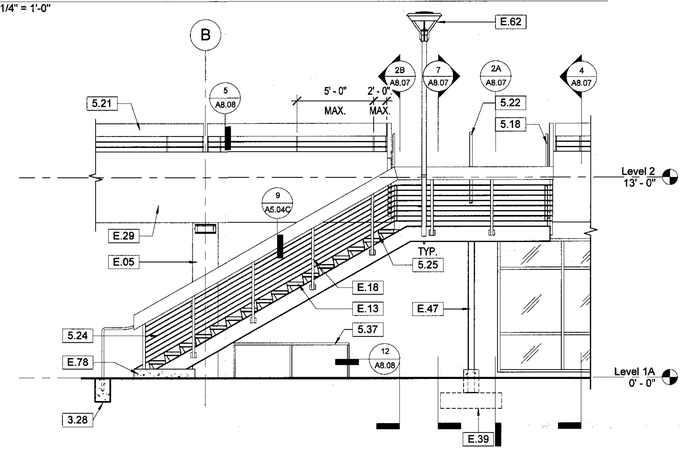
5 SECTION AT EXT. STAIR #2 - INSIDE RAIL
1/4" = 1'-0"



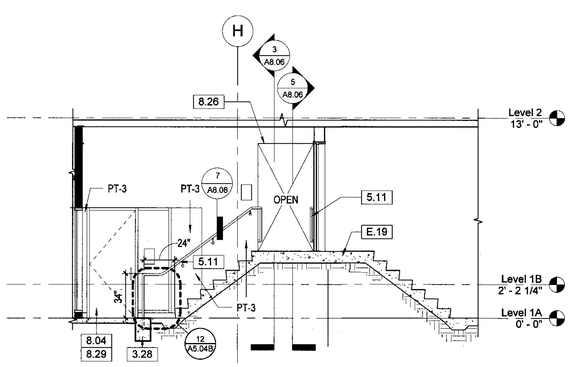
6 SECTION AT EXT. STAIR #2 - CENTER RAIL
1/4" = 1'-0"



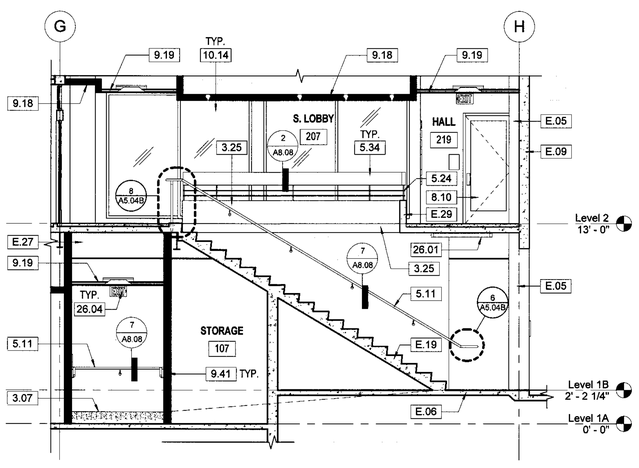
SECTION AT EXT. STAIR #2 - UPPER CENTER RAIL
1/4" = 1'-0"



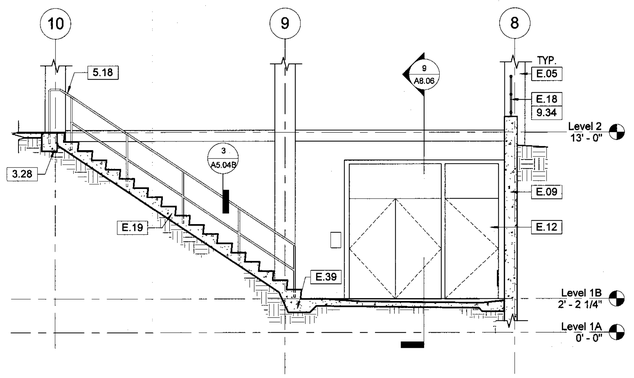
8 ELEVATION AT EXT. STAIR #2 - OUTSIDE RAIL
1/4" = 1'-0"



9 CROSS-SECTION AT STAIR #4
1/4" = 1'-0"



10 SECTION AT STAIR # 2 (STAIR #3 SIM.)
1/4" = 1'-0"



11 SECTION - RAIL AT EXT. STAIR #3
1/4" = 1'-0"

EXISTING KEYNOTES E#

E.05 (E) CONCRETE COLUMN
E.06 (E) CONCRETE SLAB TO REMAIN
E.09 (E) CONCRETE WALL
E.12 (E) DOOR(S) TO REMAIN - SEE REFERENCE FLOOR PLANS FOR DOOR NO. SEE A6.01 FOR PANIC HARDWARE LOCATIONS
E.13 (E) STAIRS TO REMAIN
E.14 (E) CONCRETE BEAM TO REMAIN
E.18 (E) RAILING TO REMAIN
E.19 (E) CONCRETE STAIR TO REMAIN
E.27 (E) STEEL BEAM WITH 3HR FIREPROOFING TO REMAIN
E.29 (E) CONCRETE GUARDRAIL WALL TO REMAIN
E.32 (E) CONCRETE CURB TO REMAIN
E.39 (E) CONCRETE FOOTING TO REMAIN
E.47 (E) 5" x 5" x 1/4" STAIR SUPPORT STEEL TUBE COLUMN TO REMAIN
E.62 (E) LIGHT TO BE DETACHED FROM (E) RAILING AND REATTACHED TO MODIFIED RAILING - SEE 76/S2.06 FOR ATTACHMENT DETAIL
E.78 (E) CONCRETE STEP TO REMAIN
E.87 (E) ASPHALT TO REMAIN

KEYNOTES

3.04 (N) CONCRETE CURB - SEE 23/S0.11
3.07 (N) CONCRETE RAMP - SEE 14/S0.11 FOR REINF. DETAILS
3.21 (N) CONCRETE DEEPENED SLAB EDGE - SEE STRUCTURAL DETAIL 26/S2.02
3.25 (N) CONCRETE LOW WALL - SEE DETAIL 2/A8.08
3.28 (N) 12" Ø X 24" DEEP CONCRETE FOOTING - SEE DETAIL 7/A5.05
5.11 (N) STEEL HANDRAIL (PAINTED) - SEE DETAIL 7/A8.08
5.18 (N) 1 1/4" DIAM. EXTRA STRONG STEEL RAILING (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
5.21 (N) STEEL RAILING WITH 3" x 10" HOLLOW STEEL TOP RAIL (GALVANIZED AND PAINTED) - SEE SHEET A8.08 FOR APPLICABLE DETAILS
5.22 (N) (GALVANIZED AND PAINTED) STEEL TOP RAILING AND HANDRAIL EXTENSIONS
5.24 (N) INTERMEDIATE STEEL SLATS (GALVANIZED AND PAINTED)
5.25 (N) STEEL CLOSURE PLATE AT ALL OPEN RISERS (GALVANIZED AND PAINTED) SEE DETAIL 7/A5.04A
5.34 (N) STEEL SLAT RAILING WITH 3" x 12" HOLLOW STEEL TOP RAIL (PAINTED)
5.37 (N) CANE DETECTION STEEL RAILING (GALVANIZED AND PAINTED) - SEE DETAIL 12/A8.08
5.43 (N) 2X2 SQUARE STEEL POST TO MATCH (E)
8.04 (N) ANODIZED ALUMINUM DOOR FRAME
8.09 (N) CLEAR ANODIZED ALUMINUM STOREFRONT - SEE FLOOR PLANS FOR WINDOW TYPE
8.10 (N) CLEAR ANODIZED ALUMINUM STOREFRONT DOOR(S) - SEE FLOOR PLANS FOR DOOR NO.
8.26 (N) OPENING IN (E) CONC. WALL - SEE DETAIL 3/S2.00
8.29 (N) SOLID CORE WOOD DOOR W/ FULL HEIGHT SIDE LITE - SEE FLOOR PLANS FOR DOOR NO.
9.10 (N) 6" METAL STUDS @ 24" O.C. FOR INTERIOR WALLS & 16" O.C. AT EXTERIOR WALLS - SEE NEW CONSTRUCTION FLOOR PLANS FOR WALL TYPE
9.18 (N) 5/8" TYPE 'X' GYPSUM BOARD CEILING
9.19 (N) SUSPENDED ACOUSTICAL CEILING
9.34 (N) PAINT - SEE FINISH SCHEDULE
9.41 (N) 4" METAL STUDS @ 24" O.C.- SEE FLOOR PLANS FOR WALL TYPE
10.14 (N) DISPLAY CASE SLIDING WINDOW - SEE FLOOR PLAN FOR WINDOW TYPE
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL
26.04 (N) ILLUMINATED EXIT SIGN

GENERAL STAIR NOTES:

1. ALL STAIRS SHOWN HERE ARE EXISTING UNLESS NOTED OTHERWISE.
2. INTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND LOWER TREAD MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. EXTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND ALL TREADS MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. SEE DETAIL 7/A5.04A AND DETAILS 1 & 2 ON SHEET A5.04B.
3. THE STRIPE SHALL BE A MINIMUM OF 2 INCHES (51MM) WIDE TO A MAXIMUM OF 4 INCHES (102 MM) WIDE PLACED PARALLEL TO, AND NOT MORE THAN 1 INCH (25 MM) FROM, THE NOSE OF THE STEP OR UPPER APPROACH. THE STRIPE SHALL EXTEND THE FULL WIDTH OF THE STEP OR UPPER APPROACH AND SHALL BE OF MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. A PAINTED STRIPE SHALL BE ACCEPTABLE. GROOVES SHALL NOT BE USED TO SATISFY THIS REQUIREMENT. SEE DETAIL 7/A5.04A AND DETAILS 1 & 2 ON SHEET A5.04B.
4. ALL (N) EXTERIOR STEEL RAILINGS, STEEL TUBE TOP RAILS, HANDRAILS, INTERMEDIATE STEEL SLATS AND POSTS AND MISC. EXPOSED STEEL PARTS SHALL BE GALVANIZED AND FIELD PAINTED. ALL (E) EXTERIOR STEEL RAILINGS, HANDRAILS AND POSTS, STAIR STRINGERS, TREAD PANS AND LANDINGS AND MISC. EXPOSED STEEL PARTS SHALL BE CLEANED, PREPPED AND FIELD PAINTED.
5. ALL INTERIOR STEEL RAILINGS, STEEL TUBE TOP RAILS, HANDRAILS, INTERMEDIATE STEEL SLATS AND POSTS SHALL BE PAINTED ONLY.
6. ANY SUPERFICIAL DAMAGE TO EXISTING PORTIONS OF STAIRS TO REMAIN, SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING. CLEAN AND PRESSURE WASH ALL STAIRS.

0' 2' 4' 8' 16'

CONSULTANT

AMADOR WHITTLE
ARCHITECTS, INC.

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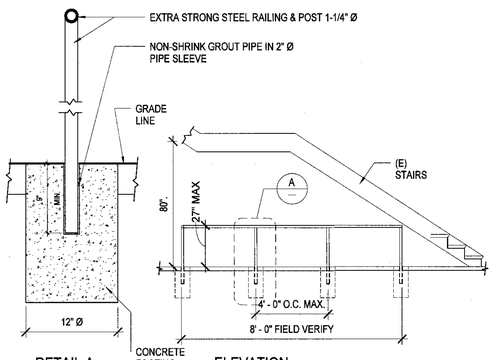
REVISIONS	DATE: 02/15/18
	DRAWN: WTJ/TJL/MJQ
	CHECK: RJF/ WJA
	JOB NO: 16-MPC-023

NEW - STAIR SECTIONS AND ELEVATIONS

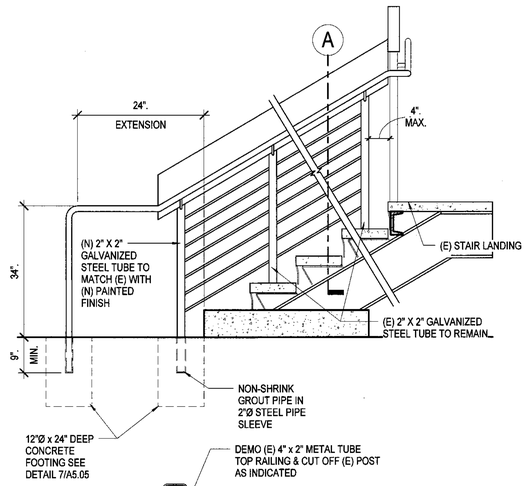
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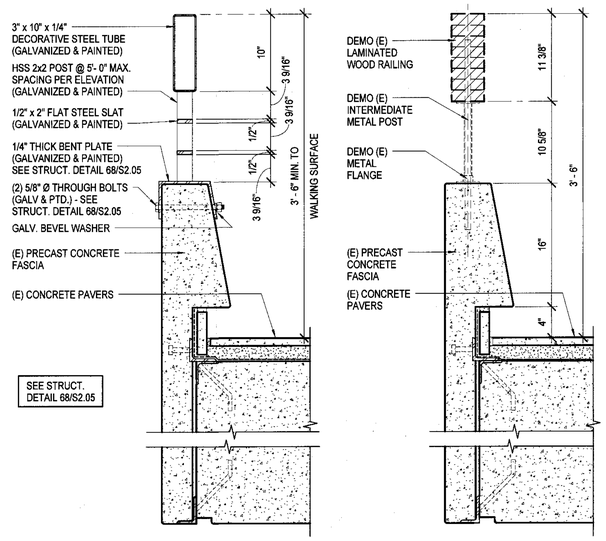
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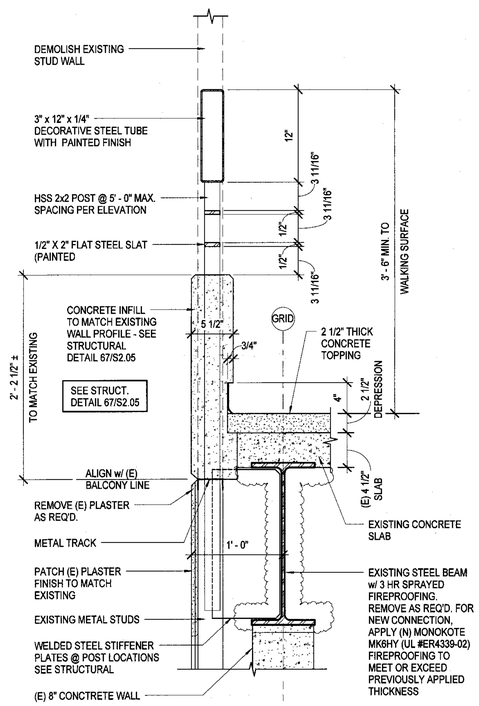
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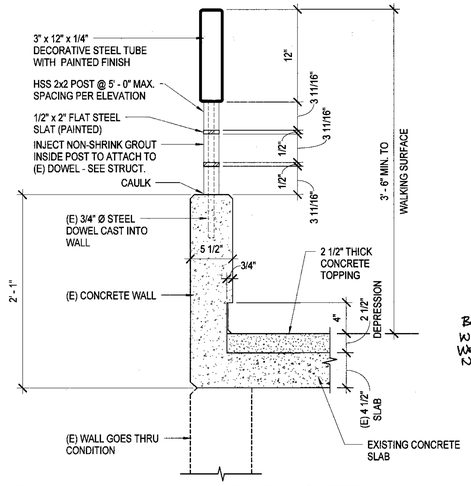
12 CANE DETECTION HANDRAIL
1 1/2" = 1'-0"



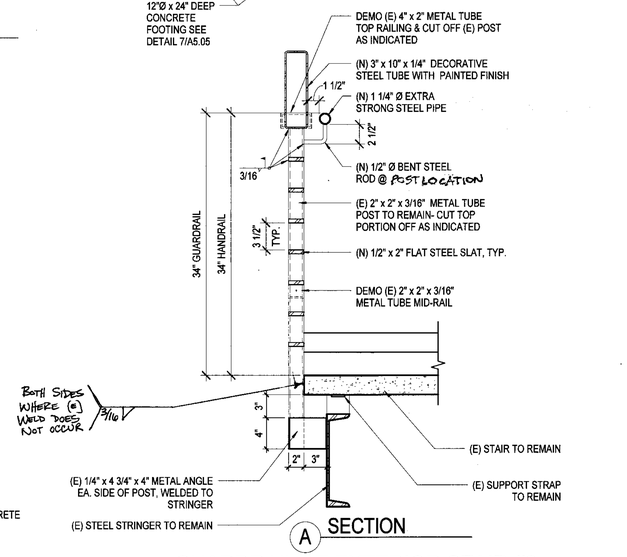




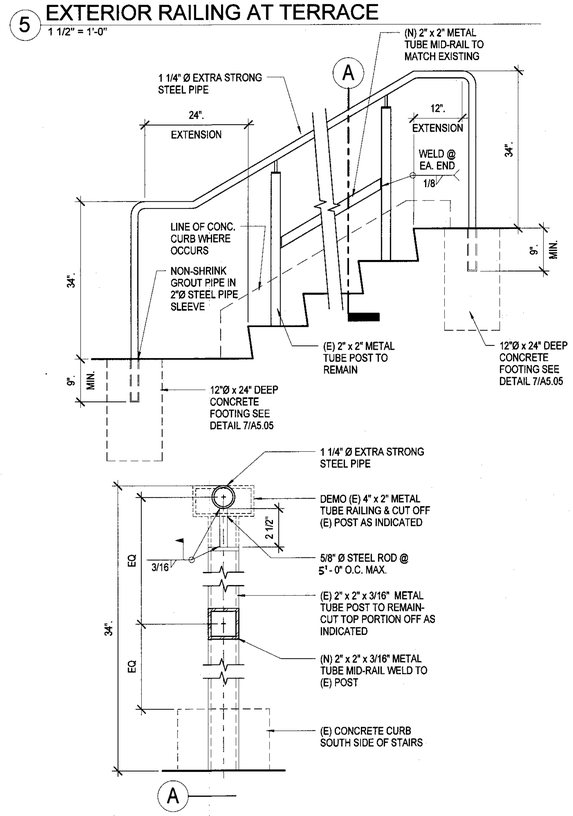
2 (N) CONC. LOW WALL/RAILING DETAIL
1 1/2" = 1'-0"



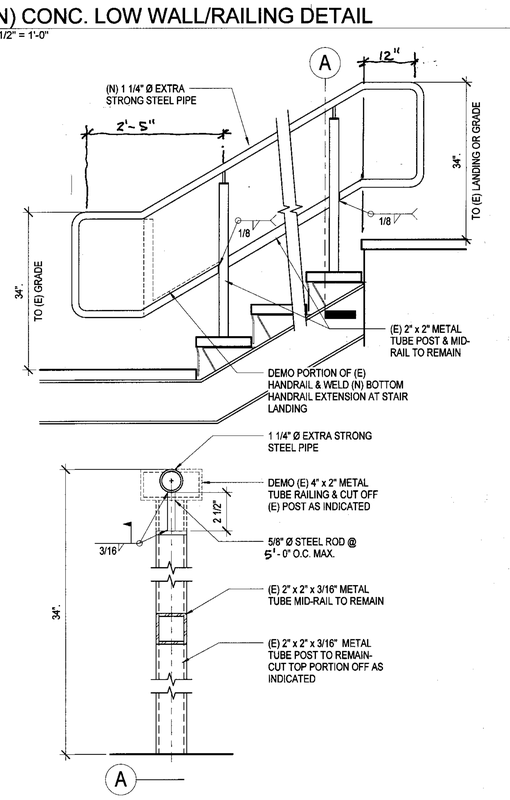
13 (E) CONC. LOW WALL/RAILING DETAIL
1 1/2" = 1'-0"



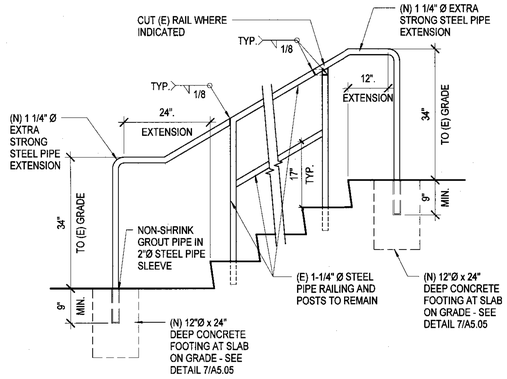
9 GUARDRAIL AT EXTERIOR STAIR #2
1 1/2" = 1'-0"



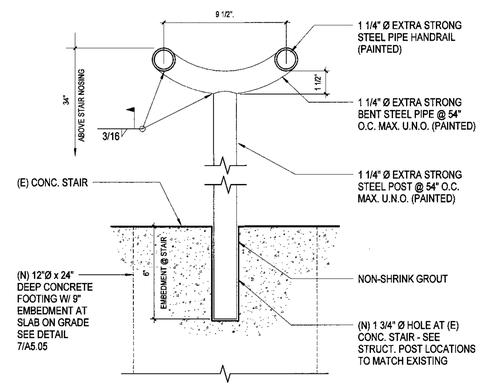
6 HANDRAILS AT EXTERIOR STAIR #1
3" = 1'-0"



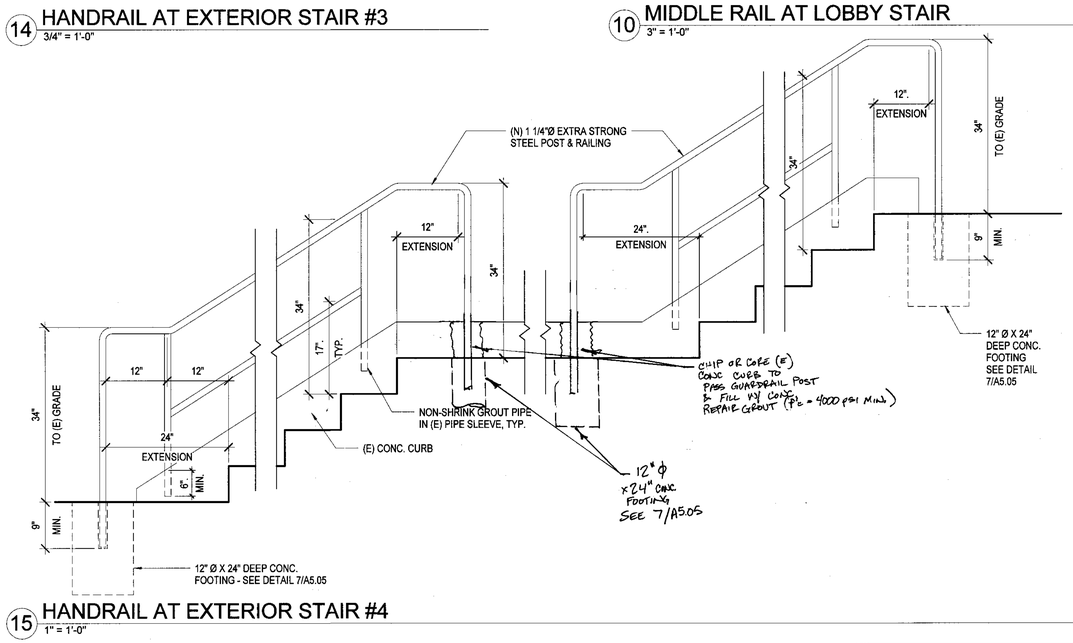
3 CENTER HANDRAIL AT EXTERIOR STAIR #2
3" = 1'-0"



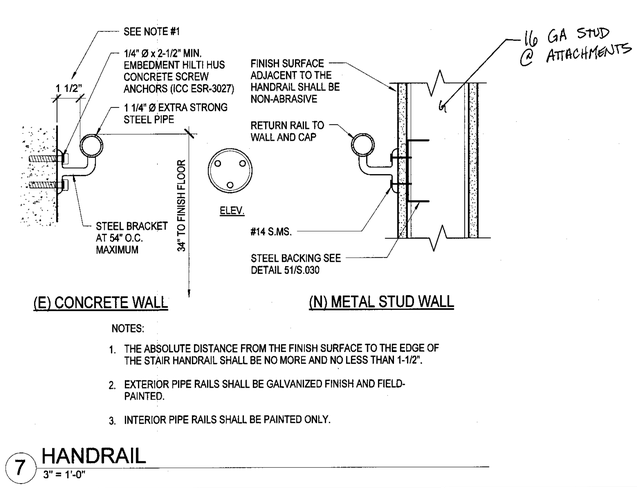
14 HANDRAIL AT EXTERIOR STAIR #3
3/4" = 1'-0"



10 MIDDLE RAIL AT LOBBY STAIR
3" = 1'-0"



15 HANDRAIL AT EXTERIOR STAIR #4
1" = 1'-0"



NOTES:

1. THE ABSOLUTE DISTANCE FROM THE FINISH SURFACE TO THE EDGE OF THE STAIR HANDRAIL SHALL BE NO MORE AND NO LESS THAN 1-1/2".
2. EXTERIOR PIPE RAILS SHALL BE GALVANIZED FINISH AND FIELD-PAINTED.
3. INTERIOR PIPE RAILS SHALL BE PAINTED ONLY.

7 HANDRAIL
3" = 1'-0"

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REVISIONS	1	Date 1	Revision 1

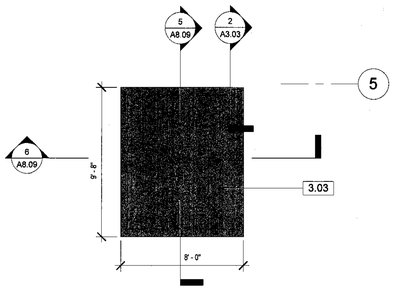
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STAIRS AND RAILING DETAILS

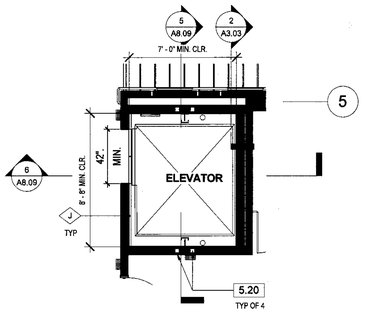
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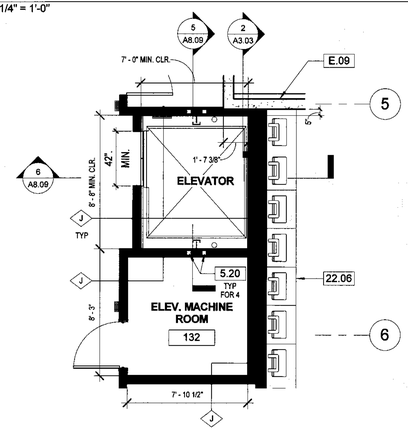
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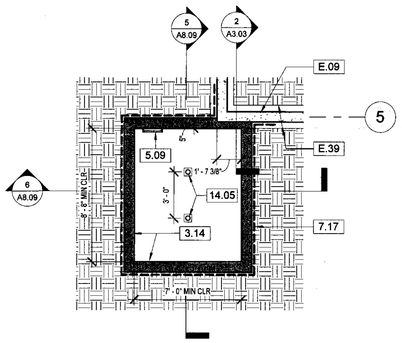
4 ELEVATOR PENTHOUSE - MECH MEZZANINE
1/4" = 1'-0"

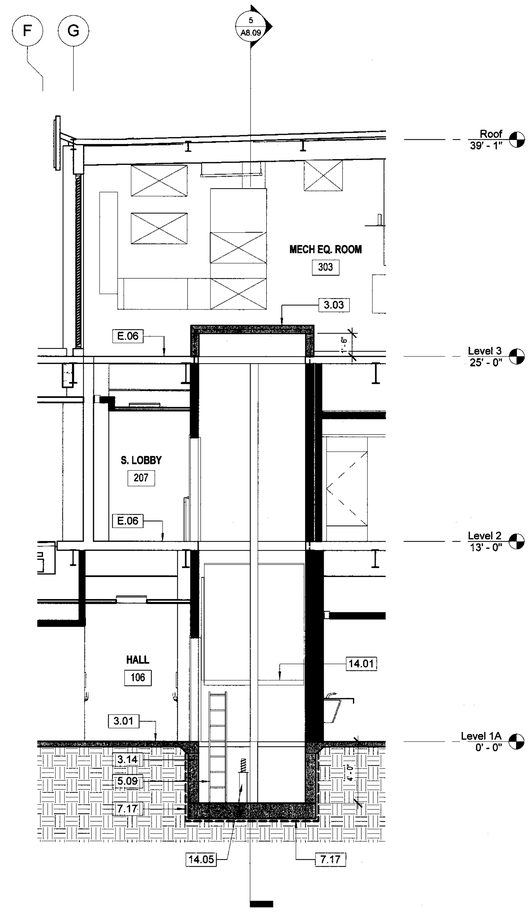


3 ELEVATOR PLAN - SECOND FLOOR
1/4" = 1'-0"

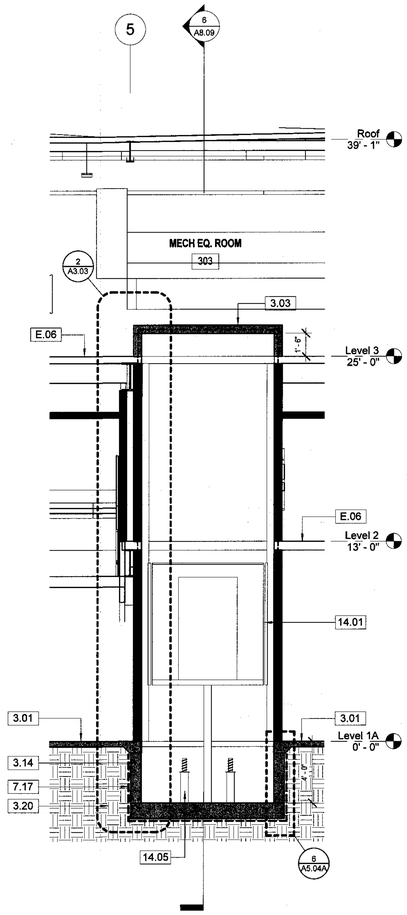


2 ELEVATOR PIT PLAN
1/4" = 1'-0"





6 SECTION AT ELEVATOR E-W
1/4" = 1'-0"



5 SECTION AT ELEVATOR N-S
1/4" = 1'-0"

EXISTING KEYNOTES

E.06 (E) CONCRETE SLAB TO REMAIN
E.09 (E) CONCRETE WALL
E.39 (E) CONCRETE FOOTING TO REMAIN

KEYNOTES

3.01 (N) CONCRETE SLAB ON GRADE
3.03 (N) CONCRETE ELEVATOR PENTHOUSE (2HR RATED PER CBC TABLE 721.1(2) ITEM # 4-1.1) - SEE STRUCTURAL DETAIL 30/S2.02
3.14 (N) CONCRETE PIT - SEE STRUCTURAL
3.20 (N) CONCRETE ENCASEMENT BELOW EXISTING FOOTING - SEE STRUCTURAL DETAIL 25/S2.02
5.09 (N) METAL LADDER (GALVANIZED) - SEE DETAIL 5/A5.04A
5.20 (N) GUIDE RAIL SUPPORT POST - SEE STRUCTURAL S1.01
7.17 (N) WATERPROOFING SYSTEM - SEE DETAIL 6/A5.04A
14.01 (N) 3500LB HOLE-LESS HYDRAULIC ELEVATOR, SEE SHEET G0.09 FOR ADDITIONAL INFORMATION
14.05 ELEVATOR PIT BUFFER - SEE SHEET A8.10
22.06 (N) LAVATORY, SEE PLUMBING DRAWINGS

LEGEND

(N) 2-HR SHAFT, SEE A5.06 FOR UL DESIGN # BASED ON WALL TYPE
EXISTING STUD WALL TO REMAIN
EXISTING CONCRETE WALL TO REMAIN
NEW STUD WALL
(N) CONCRETE CONSTRUCTION, SEE STRUCTURAL

0' 2' 4' 8' 16'

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS ZOI SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOSEPH AMADOR C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD. BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: RJF
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

ELEVATOR PLANS, SECTIONS AND DETAILS

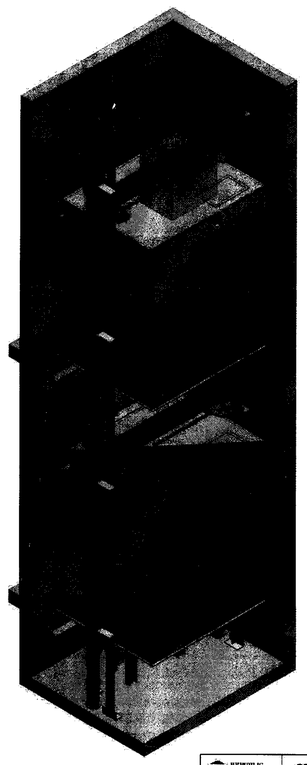
A8.09
___ OF ___

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

Format:	F-003
Updated	JUN-22-2017 Rev. B

MOORPARK COLLEGE GYMNASIUM RENOVATION

ADDRESS: 7075 CAMPUS RD, BUILDING #3,
MOOPARK CA 93021
DOORS: SSO 42" x 84" LEFT HAND
HYDRAULIC HOLELESS
CAPACITY: 3,500 LBS
SPEED: 125FPM
TRAVEL: 13'-0"
STOPS: 2



PRELIMINARY

REPUBLIC ELEVATOR COMPANY	PREPARED BY VERTICAL FUSION INC FOR: REPUBLIC ELEVATOR COMPANY 77 S FAIRVIEW AVENUE, GOLETA, CA 93117
DRAFT: Diego Nuñez	PROJECT: MOORPARK COLLEGE GYMNASIUM RENOVATION 7075 CAMPUS RD, BUILDING #3, MOORPARK CA 93021
DATE: 3/22/2018	DESCRIPTION: ISOMETRIC 1 OF 1
REVISIONS:	SCALE: WITH: 1/2"=1'-0" WITHOUT: 1/2"=1'-0" COMPANY: REPUBLIC ELEVATOR COMPANY PROJECT NO. P-18015 SHEET NO. S01
APPROVED BY:	REV: A
FILE: C:\VERTICAL FUSION\Drawings\Jobs\P-18015\Drawings\Elevator	

Format:	F-002
Updated	JUN-22-2017 Rev. B

THE FOLLOWING TO BE PROVIDED BY OWNER AND/OR GENERAL CONTRATOR:

1- LEGAL HOISTWAY OF PROPER SIZE, PLUM WITHIN 1 " PER 100', AND PIT OF PROPER DEPTH.

2- SUITABLE MACHINE ROOM WITH LEGAL ACCESS & CLEARANCE, PROPERLY HEATED & VENTILATED. RECOMMEND TEMPERATURE SHOULD BE BETWEEN 5°C (41°F) AND 30°C (86°F)

3- A 2' - 6" SQUARE BLOCK OUT IN ELEVATOR PIT FLOOR, TO BE FILLED WHEN PLUNGER ASSEMBLY HAS BEEN INSTALLED. (FOR INGROUD ELEV. ONLY)

4- REMOVAL OF EXCESS MATERIAL FROM THE DIGGING OF ELEVATOR PLUNGER ASSEMBLY HOLE WHICH WILL BE DRILLED BY ELEVATOR CONTRACTOR WHEN PIT IS POURED & BEFORE ANY FURTHER CONSTRUCTION ABOVE LOWEST LANDING IS STARTED. (FOR INGROUND ELEV. ONLY)

5- TRENCHING & BACK FILL, IF THE OIL FEED LINE IS RUN UNDERGROUND FROM PIT TO MACHINE ROOM, THE FLOOR OF WHICH SHOULD NOT BE POURED UNTIL PIPE IS IN PLACE, UNLESS OTHER PROVISION HAS BEEN MADE WITH ELEVATOR CONTRATOR.

6- SUPPORTS FOR RAIL FASTENINGS AT INTERVALS WHERE SPECIFIED BY ELEVATOR CONTRACTOR, INCLUDING SEPARATOR BEAMS BETWEEN HOISTWAYS.

7- ROUGH OPENING FOR ELEVATOR ENTRANCES IN FRONT WALLS, AS INDICATED BY ELEVATOR CONTRACTORS DRAWING, AT ALL FLOORS OR, OPTIONALLY THE FRONT WALL SHALL NOT BE ERECTED UNTIL THE ENTRANCES HAVE BEEN SET IN PLACE.

8- HOISTWAY GUARDS & BARRICADES DURING THE TIME OF EQUIPMENT INSTALLATION.

9- ALL NECESSARY SLEEVES & THE SETTING OF SAME, AS REQUIRED BY ELEVATOR CONTRACTOR.

10- VENTING OF HOISTWAY AS REQUIRED BY GOVERNING CODE.

11- GROUTING, AFTER SILL SUPPORTS & SILLS ARE IN PLACE.

12- ALL SCREENS, RAILINGS, FENCES, STEPS & LADDERS IF REQUIRED.

13- ALL CUTTING OF WALLS, FLOORS OR PARTITIONS TOGETHER WITH ALL REPAIRS, GROUTING, PATCHING & PAINTING MADE NECESSARY BY SUCH CUTTING OR CHANGES.

14- TEMPORARY POWER (220V/30A MINIMUM REQUIRED) FOR OPERATION OF TEMPORARY HOIST & TOOLS

15- 3 POLE FUSED MAIN LINE SWITCH IN MACHINE ROOM FOR EACH ELEVATOR WITH FEEDERS CONNECTED TO EACH CONTROLLER.

16- 220V-10-20 AMP SERVICE TO SUPERVISORY CONTROLLER IN MACHINE ROOM WHEN REQUIRED

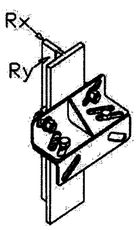
17- LIGHTS, LIGHT SWITCH & CONVENIENCE OUTLETS IN ELEVATOR MACHINE ROOM

18- 120V-10-20 AMP SERVICE & TELEPHONE OUTLET FOR EACH ELEVATOR CONNECTED TO CONTROLLER(S) IN ELEVATOR MACHINE ROOM FOR CAR LIGHT & ACCESSORIES

19- PROVIDE A LIGHT, LIGHT SWITCH & CONVENIENCE OUTLET IN THE ELEVATOR PIT WERE REQUIRED.

20- ALL OTHER EQUIPMENT NECESSARY & NOT OTHERWISE CALLED FOR IN TE ELEVATOR CONTRACT.

CAR No.	1		
TYPE:	PASSENGER	G.P.M.:	163.25
CAPACITY LBS:	3,500	PUMP TYPE:	SUBMERSIBLE
CAR SPEED UP/DOWN FPM	125	PUMP BRAND:	SETTIMA
TRAVEL FT.	13.00	PUMP MODEL:	CR50-500L
STOPS:	2	VALVE BRAND:	MAXTON
OPENINGS:	2 FRONT	VALVE TYPE:	0
POWER SUPPLY:	208/3PH/60 Hz	DOWN SPEED REGULATOR:	NA
OPERATION TYPE	SIMPLEX	MOTOR HORSEPOWER:	40
MOTOR STARTER	SOLID STATE STARTER	MOTOR START/HR:	60
CONTROLLER	SMARTRISE	FULL LOAD AMPS:	117
DOOR OPERATOR	GAL (MOVFR)	STARTING AMPS:	0
CAR GUIDE RAILS	15#	UNIT HEAT RELEASE BTU/H:	17,319.21
CAR GUIDE SHOES	ELPRO 819SS	PRESSURE SWITCH:	NA
APPLICABLE CODE	ANSI/ASME A17.1-2004	OIL COOLER:	NA
SEISMIC ZONE	> 3	OIL HEATER:	NA
		SCAVENGER PUMP	NA
PLUNGER O.D./WALL:	4.00" X 0.25"	WIREWAY:	YES
CYLINDER O.D./WALL:	6.5" X 0.25"		
NUMBER OF JACKS:	2	LANDING SYSTEM:	
NUMBER OF STAGES:	1		
FOLLOWER REQUIRED	NO	CAR TOP INSPECTION BOX	YES, W/BELL
PVC OUTSIDE DIAMETER:	N/A		
TOP OVER TRAVEL (T.O.T.): IN.	6	RAIL & WALL BRACKETS:	BLACK
BOTT. OVER TRAVEL (B.O.T.): IN.	8	PIT LADDER:	BLACK
		PIT CHANNELS:	BLACK
CARWEIGHT:	3,100	FEED LINE PIPES:	MFG. STD.
PLUNGER EA:	147	SPRING & BUFFER STAND:	BLACK
GROSSWEIGHT:	6,600	WIREWAY GUTTERS:	GALVANIZED
HALL DOOR:	240	PLATFORM:	BLACK
CAB DOOR:	190	CAR APRON (TOE GUARD):	GALVANIZED
TOTAL EACH PISTON:	3,300	CAR FRAME (SLING):	BLACK
		PUMP UNIT:	BAKED ENAMEL
MIN. PRESSURE:	146.94		
WORKING PRESSURE:	317.98		



FORCES IN LBS	RX	RY
RUNNING	546	419
SEISMIC #	1,680	840
QTY./TYPE:	2	
STROKE:	2.5"	
REACTIONS AT EA. BUFFER	7,486	
BUFFER RATING EA.	10,721	
TOTAL REACTION ON PIT F	19,376	

FEED PIPE SIZE:	2"
FEED PIPE SCHEDULE:	80
FEED PIPE TYPE	SEAMED
PIPE CONNECTIONS TYPE	VICTAULIC
TOTAL OIL REQUIRED MIN. GAL	84.35
OIL ISOLATION COUPLG	1
SHUT OFF VALVE:	2
RUPTURE VALVE	1
"Y" OIL STRAINER	N/A
WALL & RAIL BRACKETS:	FORMED STEEL
PLATFORM:	FORMED STEEL
CAR FRAME:	FORMED STEEL

"ALL MATERIAL (UNLESS OTHERWISE NOTED) IS IN ACCORDANCE WITH ASME A 17.1 - 2004"
SEISMIC ZONE 4

ELEVATOR CONTRACTOR

REPUBLIC ELEVATOR
77 S FAIRVIEW AVE. GOLETA, CA 93117

HYDRAULIC ELEVATOR DATA SHEET

PROJECT:	MOORPARK GYM RENOVATION
LOCATION:	7075 CAMPUS RD, BUILDING #3, MOORPARK CA 93021
OWNER:	
DRAWN BY:	DMNS
ENG	JPS
CONTRACT:	
DATE:	3/22/2018
SHEET	1 OF 4

PRELIMINARY

CONSULTANT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS ___ SS ___
DATE 06-19-18

AMADOR WHITTLE
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LICENSED ARCHITECT WILLIAM JORGE AMADOR C-30348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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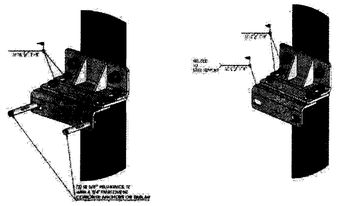
REVISIONS	DATE: 03/26/18
	DRAWN: JA
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

ELEVATOR DESIGN & LOADS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

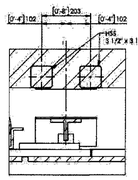
A8.10
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Format:	F-004
Updated	JUN-22-2017 Rev. B

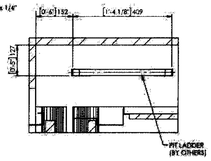


RAIL BRACKET ANCHORED TO CONCRETE

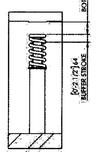
RAIL BRACKET WELDED TO STEEL SUPPORT



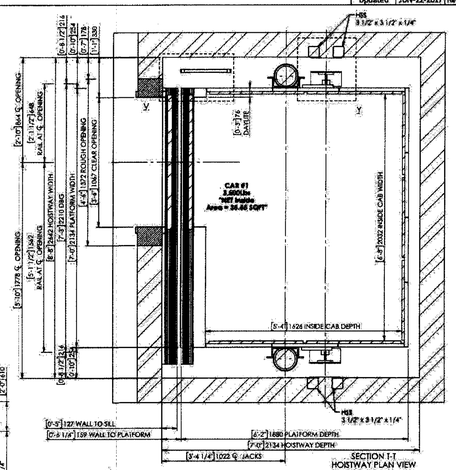
DETAIL Y
GUIDE RAIL SUPPORTS
LOCATE PER MANUF.
SCALE 1:10



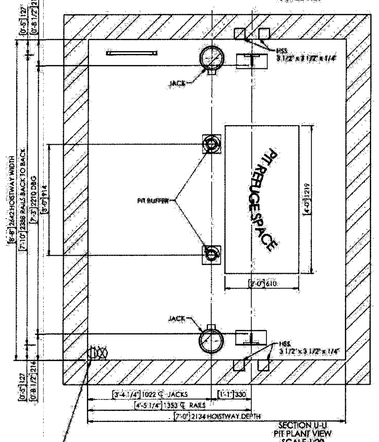
DETAIL V
PIT LADDER
SCALE 1:10



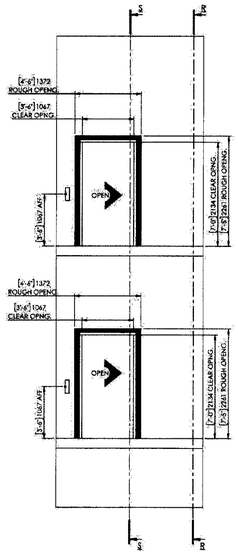
SECTION W-W
PIT BUFFER
SCALE 1:20

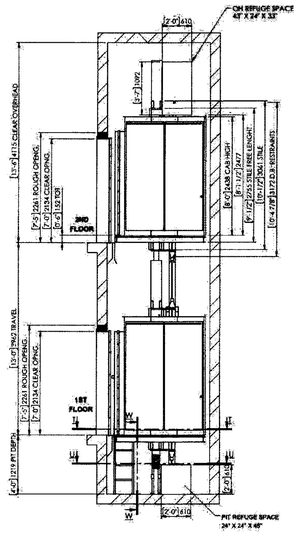


SECTION T-T
HOISTWAY PLAN VIEW
SCALE 1:20

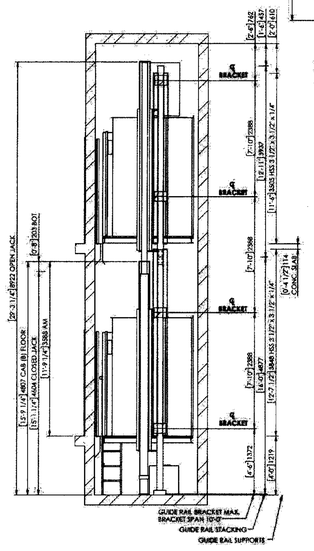


SECTION U-U
PIT PLANE VIEW
SCALE 1:20





HOISTWAY
SECTION S-S



JACKS, BRACKETS AND RAILS
SECTION R-R

PIT LIGHT SWITCH, ACCESIBLE FROM PIT ACCESS DOOR, MIN 90 Fc ILLUMINATION AT THE PIT FLOOR
LIGHT BULB EXTERNALLY GUARDED
2. PIT SWITCH WALL MOUNTED 18" MAX. ABOVE OR BELOW THE LOWEST LANDING

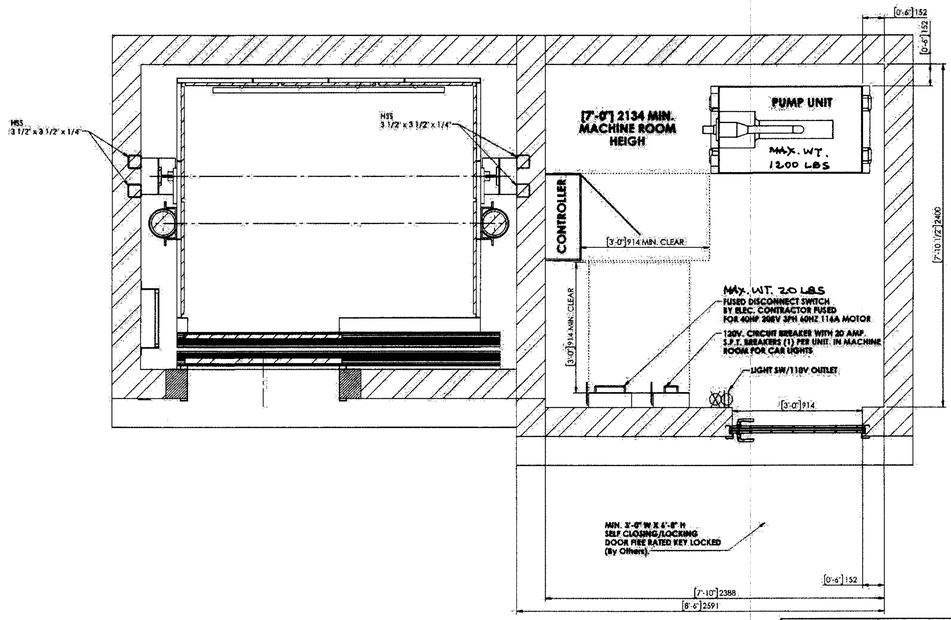
PRELIMINARY

REPUBLIC ELEVATOR COMPANY	PREPARED BY VERTICAL FUSION INC FOR: REPUBLIC ELEVATOR COMPANY 77 S FAIRVIEW AVENUE, GOLETA, CA 93117		
DRAFT: DMNS	JOB: MOORPARK COLLEGE GYMNASIUM RENOVATION 7075 CAMPUS RD. BUILDING #3, MOORPARK CA 93021		
DATE: 3/22/2018	DESCRIPTION: GENERAL PLAN	SHEET: 2 OF 4	
REVISIONS BY:	SCALE: 1/4" = 1'-0"	DRAWING NO: REPUBLIC ELEVATOR COMPANY	S01
APPROVED BY:		PROJECT NO: P-18015	REV: A

S01

Format:	F-002
Updated	JUN-22-2017 Rev. B

S01



DETAIL MACHINE ROOM

PRELIMINARY

REPUBLIC ELEVATOR COMPANY	PREPARED BY VERTICAL FUSION INC FOR: REPUBLIC ELEVATOR COMPANY 77 S FAIRVIEW AVENUE, GOLETA, CA 93117		
DRAFT: Diego Núñez	JOB: MOORPARK COLLEGE GYMNASIUM RENOVATION 7075 CAMPUS RD. BUILDING #3, MOORPARK CA 93021		
DATE: 4/22/2018	DESCRIPTION: DETAIL OF THE MACHINE ROOM	SHEET: 1 OF 4	
REVISIONS BY:	SCALE: 1:29	DRAWING NO: REPUBLIC ELEVATOR COMPANY	S01
APPROVED BY:		PROJECT No: P-18015	REV: A

CONSULTANT

DIVISION OF THE STATE ARCHITECT

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MOORPARK COLLEGE GYMNASIUM RENOVATION

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BACKCHECK SUBMITTAL

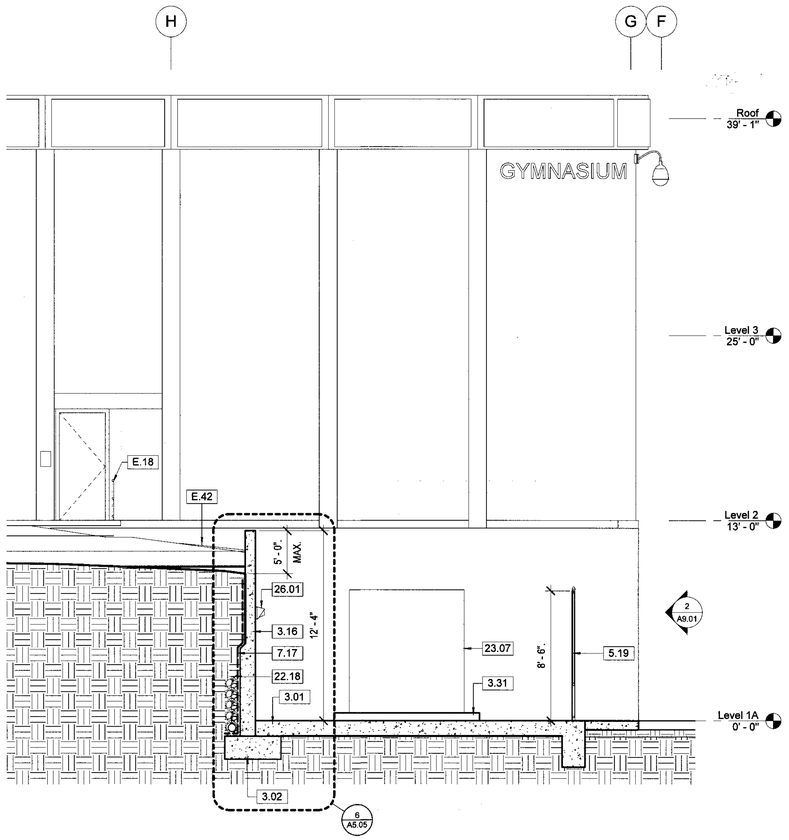
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REVISIONS	DATE: 03/28/18
	DRAWN: JA
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

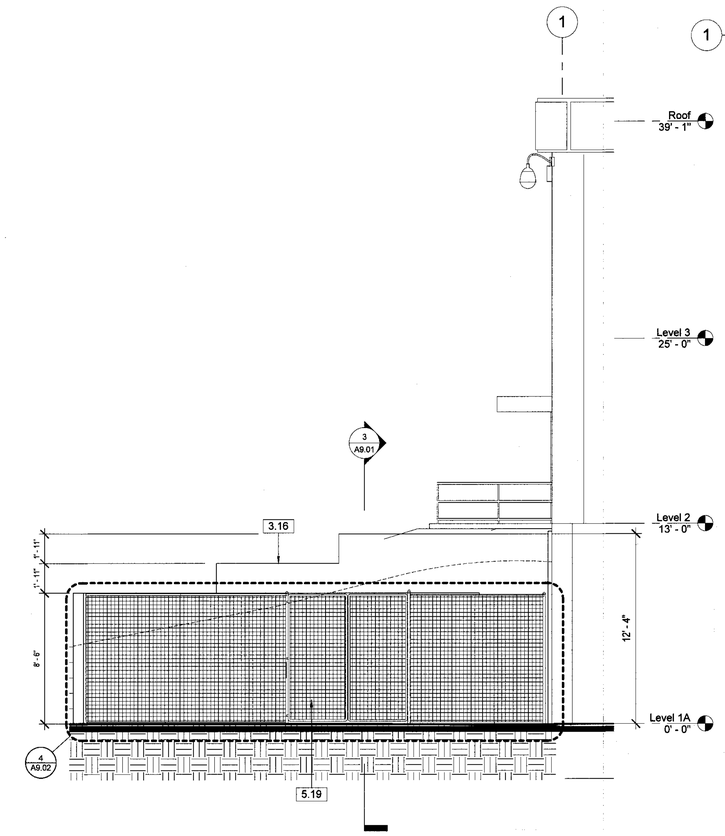
ELEVATOR DESIGN & LOADS

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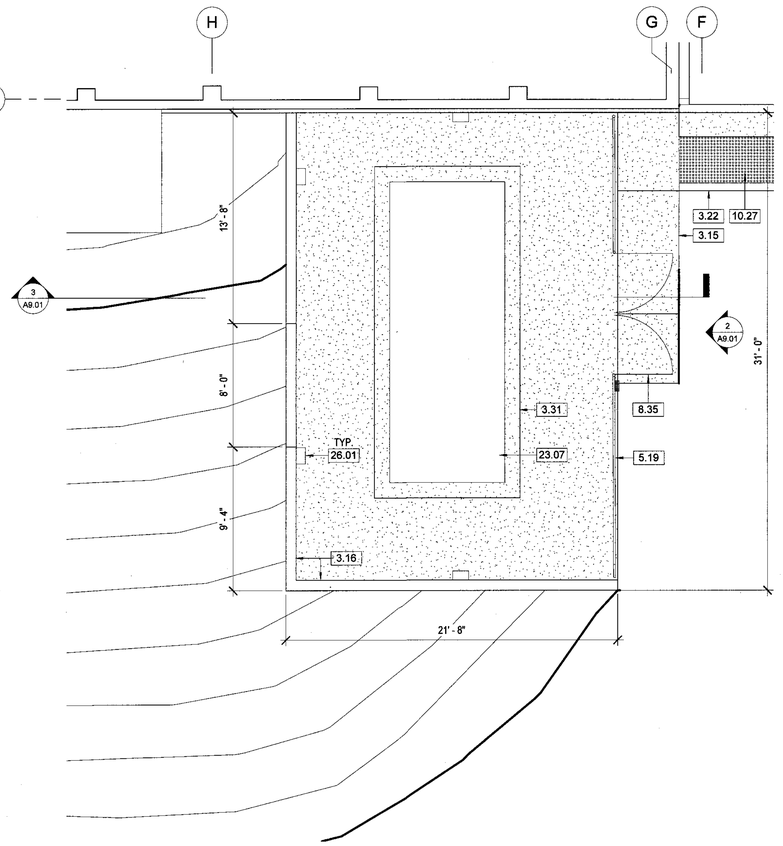
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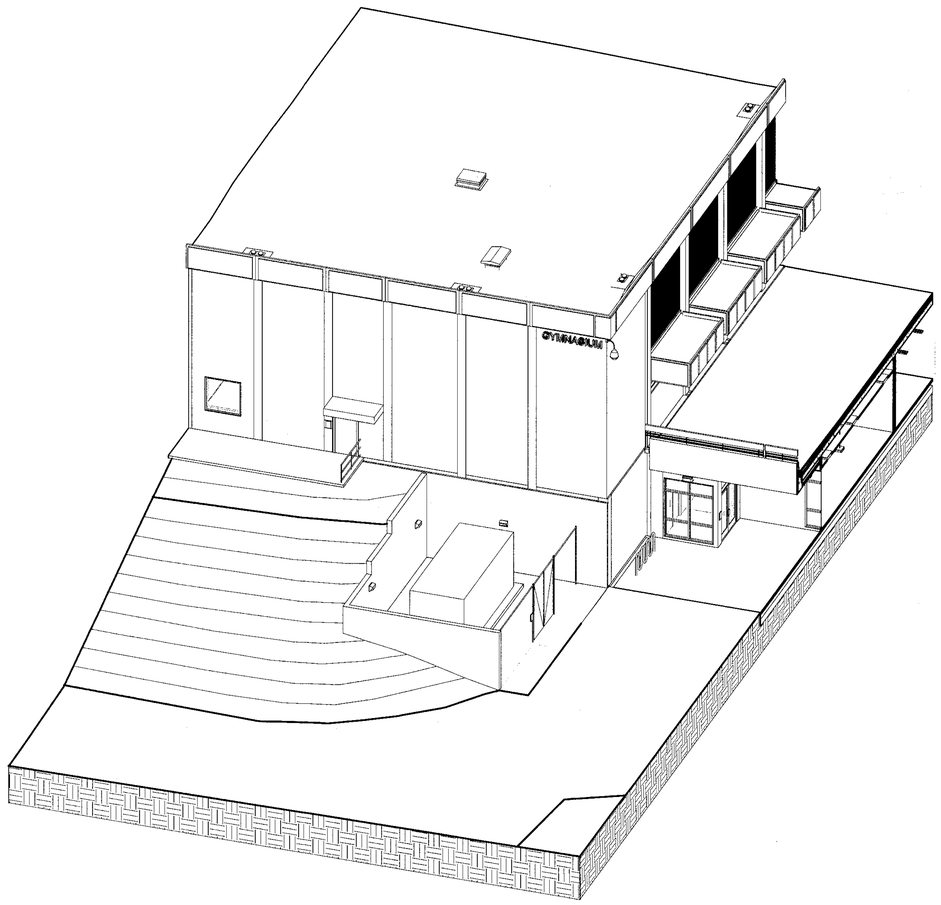
3 SECTION AT CHILLER ENCLOSURE
1/4" = 1'-0"



2 CHILLER - EAST ELEVATION
1/4" = 1'-0"



1 SITE PLAN - CHILLER ENCLOSURE
1/4" = 1'-0"



4 3D - CHILLER VIEW

EXISTING KEYNOTES

E.18 (E) RAILING TO REMAIN
E.42 (E) BEAM TO REMAIN

KEYNOTES

3.01 (N) CONCRETE SLAB ON GRADE
3.02 (N) CONCRETE FOUNDATION - SEE STRUCTURAL
3.15 (N) CONCRETE SIDEWALK WITH CONTROL JOINTS WHERE INDICATED PER DETAIL 3/C5.00. SEE GENERAL NOTES 4 & 5 SHEET A1.00
3.16 (N) CONCRETE RETAINING WALL - SEE STRUCTURAL 44/S2.03
3.22 (N) 6" WIDE FLUSH SURFACE CONCRETE CURB - PAINT RED PER FIRE DEPT. REQUIREMENTS FOR NO PARKING
3.31 (N) CONCRETE CHILLER PAD - SEE STRUCT. DETAIL 30/S2.03
5.19 (N) GALV. STEEL MESH ENCLOSURE - SEE DETAIL 4/A9.02
7.17 (N) WATERPROOFING SYSTEM - SEE DETAIL 6/A5.04A
8.35 PROVIDE KNOX ACCESS PER CFC 509.1
10.27 (N) TACTILE WARNING TRUNCATED DOME MAT - SEE DETAIL 1/A5.05
22.18 (N) FRENCH DRAIN - SEE CIVIL C4.00
23.07 (N) CHILLER - SEE MECHANICAL M3.00
26.01 (N) LIGHT FIXTURE - SEE ELECTRICAL. FOR PENDANT MOUNT FIXTURES SEE 2/E300 FOR MOUNTING DETAIL

0' 2' 4' 8' 16'

CONSULTANT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC FLS ZM SS AP
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JOHN AMADOR C-20948 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 ; (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

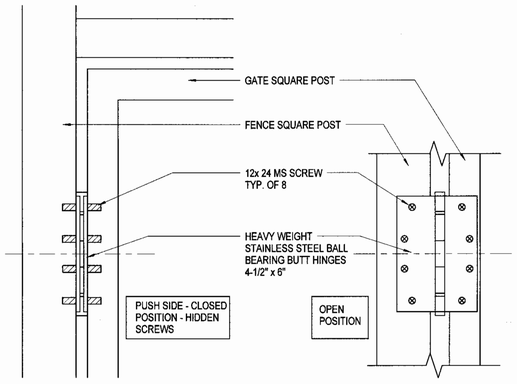
BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

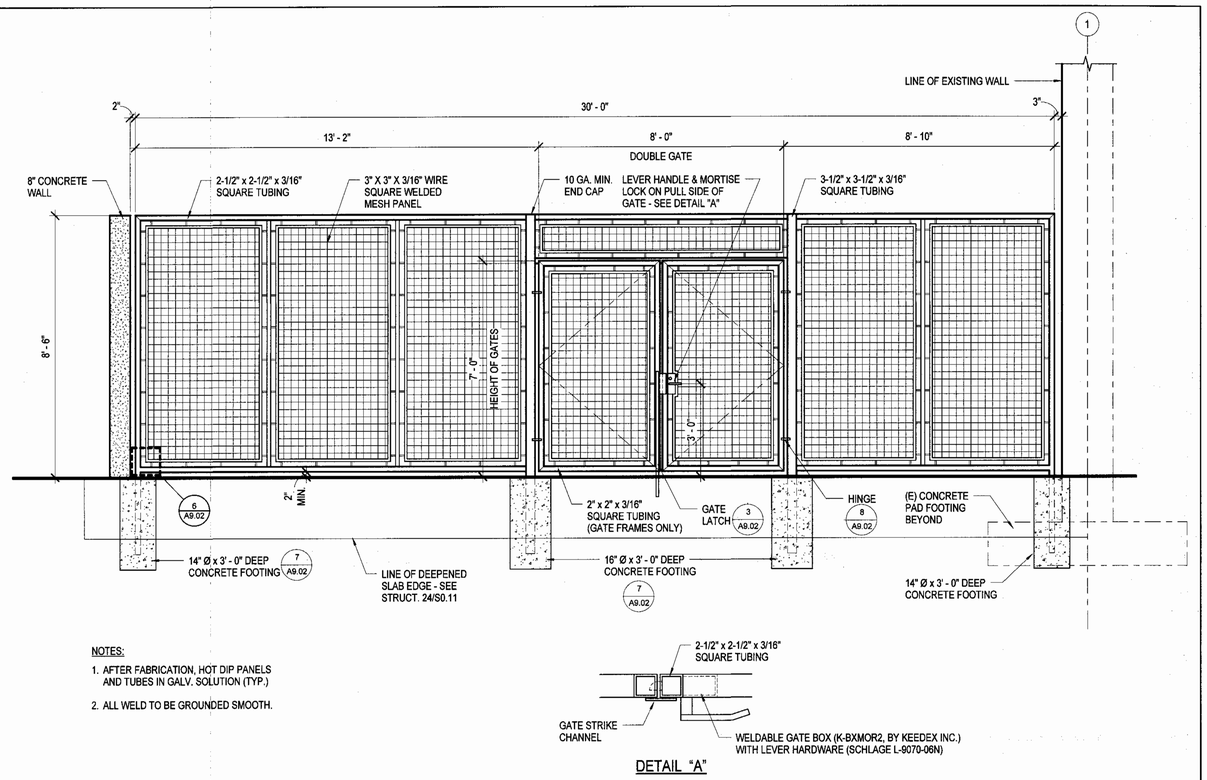
REVISIONS	DATE: 03/26/18
	DRAWN: RJF
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

CHILLER ENCLOSURE - PLANS & ELEVATIONS
IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A9.01
__ OF __



8 GATE HINGE AT SQ. POST
3" = 1'-0"

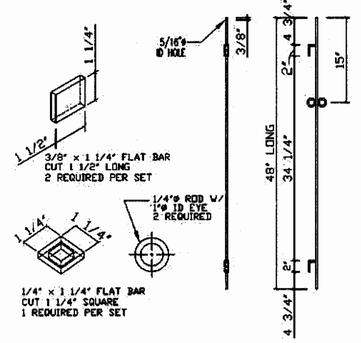


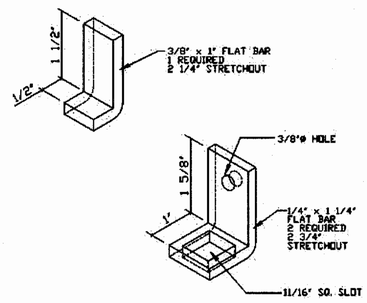
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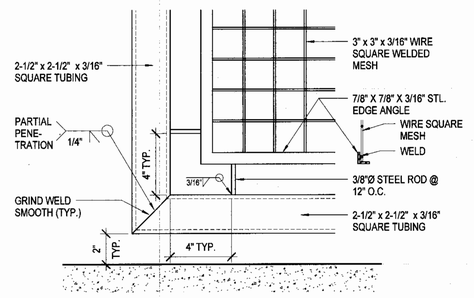
1. AFTER FABRICATION, HOT DIP PANELS AND TUBES IN GALV. SOLUTION (TYP.)
2. ALL WELD TO BE GROUNDED SMOOTH.

DETAIL "A"

4 CHILLER FENCE & GATE ELEVATION
1/2" = 1'-0"

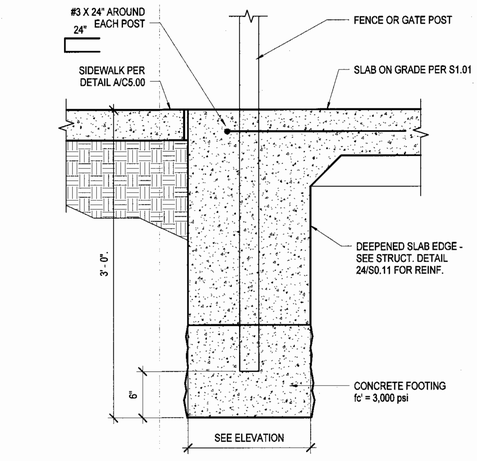






6 TYPICAL CORNER DETAIL
3" = 1'-0"

3 GATE LATCH DETAIL
3" = 1'-0"



7 FENCE POST FOOTING
1 1/2" = 1'-0"

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REVISIONS	DATE: 03/26/18
	DRAWN: MJQ
	CHECK: RJF/WJA
	JOB NO: 16-MPC-023

CHILLER FENCE & GATE DETAILS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

A9.02
___ OF ___

STRUCTURAL CONCRETE NOTES:

1. CONCRETE MIXES SHALL BE DESIGNED BY A RECOGNIZED TESTING LABORATORY AND COPIES OF THE DESIGN SHALL BE SENT TO THE ARCHITECT AND THE ENGINEER. COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE DSA AND THE ARCHITECT.

2. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE II. AGGREGATE FOR STONE CONCRETE SHALL CONFORM TO ASTM C-33. AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM ASTM C-330.

3. ALL REINFORCING BARS, ANCHOR BOLTS, PRESTRESSING TENDONS, AND ALL OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.

4. THE MAXIMUM SLUMP SHALL NOT EXCEED 4" ±1" FOR FOOTINGS, SLABS ON EARTH, AND MASS CONCRETE, AND 5" ±1" FOR OTHER CONCRETE.

5. MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS: (MIN. 5 SACKS OF CEMENT PER CUBIC YARD)(MAXIMUM WATER/CEMENT RATIO TO BE 0.50 BY WEIGHT.
   A. ALL CONCRETE.....3000 P.S.I.

6. ALL STRUCTURAL CONCRETE IS TO BE REINFORCED.

7. CONTRACTOR SHALL SUBMIT SLAB CONSTRUCTION JOINT LAYOUT DRAWINGS TO THE ARCHITECT AND ENGINEER FOR REVIEW.

8. PROJECTING CORNERS OF BEAMS, COLUMNS, WALLS, ETC. SHALL BE FORMED WITH A 3/4" CHAMFER UNLESS DETAILED OTHERWISE.

9. THERE SHALL BE NO FLY ASH IN THE CONCRETE MIX FOR SLABS, CONCRETE WALLS, AND COLUMNS THAT ARE VISUALLY EXPOSED.

10. DRY PACK / NONSHRINK GROUT SHALL BE F'c = 5000 P.S.I. MIN.

11. CONCRETE SPECIFIED BY COMPRESSIVE STRENGTH SHALL BE PROPORTIONED IN ACCORDANCE WITH CBC 1905A.3

12. A REGISTERED CIVIL ENGINEER WITH EXPERIENCE IN CONCRETE MIX DESIGN SHALL SELECT THE RELATIVE AMOUNTS OF INGREDIENTS TO BE USED AS BASIC PROPORTIONS OF THE CONCRETE MIXES PROPOSED FOR USE AND TESTING SHALL BE PERFORMED IN A LABORATORY ACCEPTABLE TO THE ENFORCEMENT AGENCY.

13. SHOW REBAR TYPE AND GRADE ON DRAWINGS PER CBC SECTION 1901A.4

14. CONCRETE SHALL BE TESTED AND INSPECTED PER SECTION 1919A, TITLE 24, PART II, CCR.

15. COMPLY WITH CBC SECTION 1906A.2 FOR REMOVAL OF FORMS.

FOUNDATION NOTES:

1. THE DESIGN OF THE FOUNDATION SYSTEM IS BASED UPON THE CRITERIA AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL INVESTIGATION REPORTS TITLED GEOTECHNICAL STUDY, PARKING STRUCTURE, MOORPARK COLLEGE, MOORPARK , CALIFORNIA, DATED FEBRUARY 25, 2011, PROJECT NO. 1003.026, AND GEOTECHNICAL UPDATE, GYMANSIUM IMPROVEMENTS, MOORPARK COLLEGE, MOORPARK, CALIFORNIA, DATED JUNE 27, 2017, PROJECT 1003.036, BY GEOTECHNIQUES.

2. THE GEOTECHNICAL INVESTIGATION REPORT AND ITS RECOMMENDATIONS SHALL BE FOLLOWED AND SHALL BE CONSIDERED MINIMUM REQUIREMENTS UNLESS MORE STRINGENT REQUIREMENTS ARE PRESENTED IN THE SPECIFICATIONS OR ON THE DRAWINGS.

3. PER GEOTECHNICAL INVESTIGATION REPORT, THE ALLOWABLE SOIL BEARING PRESSURES ARE AS FOLLOWS:

A. SPREAD FOOTING: 2,000 PSF (24" MIN. BELOW GRADE)

4. REMOVE LOOSE SOIL AND STANDING WATER FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING CONCRETE. THE GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE ALL EXCAVATIONS, SOIL COMPACTION WORK PRIOR TO PLACEMENT OF ANY REBAR OR CONCRETE, SHORING INSTALLATIONS, BACKFILL MATERIALS AND BACK FILLING PROCEDURES.

5. LOCATE AND PROTECT EXISTING UTILITIES TO REMAIN DURING AND/OR AFTER CONSTRUCTION.

6. REMOVE ABANDONED FOOTINGS, UTILITIES, ETC. WHICH INTERFERE WITH NEW CONSTRUCTION, UNLESS OTHERWISE INDICATED.

7. NOTIFY THE OWNER'S REPRESENTATIVE IF ANY BURIED STRUCTURES NOT INDICATED, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC., ARE FOUND.

8. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, UNDERPINNING AND PROTECTION OF EXISTING CONSTRUCTION.

9. PLACE BACKFILL BEHIND RETAINING WALLS AFTER CONCRETE OR MASONRY HAS ATTAINED FULL DESIGN STRENGTH. BRACE BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHED FLOORS AND SLABS ON GRADE ARE COMPLETE AND HAVE ATTAINED FULL DESIGN STRENGTH.

10. THE CONTRACTOR SHALL PROVIDE CARE IN DRILLING, PLACEMENT OF STEEL REINFORCEMENT, AND POURING OF CONCRETE TO AVOID DISTURBANCE OF PILE BORING WALLS. THE STEEL REINFORCEMENT CAGE SHALL BE INSTALLED AND CONCRETE SHALL BE PLACED INTO THE PILE HOLE IMMEDIATELY AFTER THE HOLE IS DRILLED. PILE HOLES SHALL NOT BE LEFT OPEN OVERNIGHT. WHERE PILE SPACING IS LESS THAN THREE DIAMETERS, DRILLING SHALL NOT BE CARRIED OUT BEFORE THE PREVIOUSLY POURED PILE CONCRETE HAS SET FOR AT LEAST TWENTY FOUR HOURS.

11. IN THE EVENT OF SOIL OR WATER SEEPAGE INTO THE PILE EXCAVATION, CASING AND/OR THE USE OF "POLYMER-SLURRY" DRILLING FLUID MAY BE REQUIRED IF CAVING IS ENCOUNTERED BELOW THE WATER SEEPAGE LEVEL, IN ORDER TO ACHIEVE THE REQUIRED DEPTH, AND MAINTAIN AN OPEN EXCAVATION TO ALLOW FOR THE PLACEMENT OF REINFORCING STEEL AND CONCRETE. CASING SHALL BE PULLED AS THE PILE EXCAVATION IS FILLED WITH CONCRETE, MAINTAINING AT LEAST FIVE FEET OF CONCRETE HEAD INSIDE THE CASING. CONCRETE SHALL BE PLACED AND VIBRATED THROUGHOUT THE FULL LENGTH OF THE PILE SO THAT VOIDS DO NOT EXIST IN EITHER THE PILE BASE OR THE SHAFT. PLACEMENT PROCEDURES SHALL BE USED TO ENSURE THAT AGGREGATE SEGREGATION DOES NOT OCCUR.

12. SOIL COMPACTION SHALL BE 92% FOR SOIL & 95% FOR AGGREGATE PER SOILS REPORT

REINFORCING STEEL NOTES:

1. ALL REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615 GRADE 60. ALL REINFORCING TO BE WELDED SHALL CONFORM TO ASTM A-706 GRADE 60.

2. CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCING BARS SHALL BE AS FOLLOWS:
   A. CONCRETE POURED DIRECTLY AGAINST EARTH, 3" CLEAR.
   B. STRUCTURAL SLAB, 3/4" CLEAR TOP AND BOTTOM UNLESS NOTED OTHERWISE.
   C. CONCRETE EXPOSED TO EARTH OR WEATHER, 1-1/2" CLEAR (2" CLEAR FOR 6 BARS AND LARGER).
   D. INTERIOR BEAMS AND COLUMNS, 1-1/2" CLEAR TO FACE OF STIRRUP.
   E. FORMED CONCRETE NOT INCLUDED ABOVE, 3/4" CLEAR.

3. WIRE MESH SHALL CONFORM TO ASTM A-185, AND SHALL BE LAPPED 1-1/2 GRID SPACES OR 12" MINIMUM.

4. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

5. REINFORCING STEEL SHALL BE SPLICED WITH CLASS B SPLICES UNLESS NOTED OTHERWISE ON THE DRAWINGS.

6. CONTRACTOR SHALL NOT PLACE ANY REINFORCING UNTIL APPROVED SHOP DRAWINGS ARE RECEIVED ON THE JOB.

7. LOW HYDROGEN ELECTRODES SHALL BE USED WHEREVER REINFORCING STEEL IS WELDED. WELDING SHALL NOT BE DONE ON OR WITHIN TWO BAR DIAMETERS OF ANY BENT PORTION OF A BAR THAT HAS BEEN BENT COLD. WELDING OF CROSSING BARS SHALL NOT BE PERMITTED FOR ASSEMBLY OF REINFORCEMENT UNLESS AUTHORIZED BY THE STRUCTURAL ENGINEER AND APPROVED BY DSA.

8. TESTS OF REINFORCING BARS. WHERE SAMPLES ARE TAKEN FROM BUNDLES AS DELIVERED FROM THE MILL, WITH THE BUNDLES IDENTIFIED AS TO HEAT NUMBER AND PROVIDED THE MILL ANALYSES ACCOMPANY THE REPORT, ONE TENSILE TEST AND ONE BEND TEST SHALL BE MADE FROM A SPECIMEN FROM EACH 10 TONS (9080 KG) OR FRACTION THEREOF OF EACH SIZE OF REINFORCING STEEL. WHERE POSITIVE IDENTIFICATION OF THE HEAT NUMBER CANNOT BE MADE, TEST SPECIMEN SHALL BE TAKEN FROM ONE TON (2270 KG) OR FRACTION THEREOF OF EACH SIZE OF REINFORCING STEEL. SEE SECTION 1929A.6 FOR WAIVER OF TESTS.

9. INSPECTION OF WELDED REINFORCING BARS. INSPECTION OF ALL SHOP AND FIELD STRUCTURAL WELDING OPERATIONS SHALL BE MADE BY A QUALIFIED WELDING INSPECTOR APPROVED BY THE ENFORCEMENT AGENCY. SUCH INSPECTOR SHALL BE TRAINED AND THOROUGHLY EXPERIENCED IN INSPECTING REINFORCING BAR WELDING OPERATIONS. THE INSPECTOR'S ABILITY TO DISTINGUISH BETWEEN SOUND AND UNSOUND WELDING SHALL BE RELIABLY ESTABLISHED. THE WELDING INSPECTOR SHALL MAKE A SYSTEMATIC RECORD OF ALL WELDS. THIS RECORD SHALL INCLUDE:
   A. IDENTIFICATION MARKS OF WELDERS.
   B. LIST OF DEFECTIVE WELDS.
   C. MANNER OF CORRECTION OF DEFECTS.

THE WELDING INSPECTOR SHALL CHECK THE MATERIAL, EQUIPMENT, DETAILS OF CONSTRUCTION, AND PROCEDURES AS WELL AS THE WELDS. THE INSPECTOR SHALL ALSO CHECK THE ABILITY OF THE WELDER. THE WELDING INSPECTOR SHALL FURNISH THE ARCHITECT, STRUCTURAL ENGINEER AND THE ENFORCEMENT AGENCY WITH A VERIFIED REPORT THAT THE WELDING WHICH IS REQUIRED TO BE INSPECTED IS PROPER AND HAS BEEN DONE IN CONFORMITY WITH THE APPROVED PLANS AND SPECIFICATIONS, THE WELDING INSPECTOR SHALL USE ALL MEANS NECESSARY TO DETERMINE THE QUALITY OF THE WELD. THE INSPECTOR MAY USE GAMMA RAY, MAGNAFLUX, TREPANNING, SONIC OR ANY OTHER AID TO VISUAL INSPECTION WHICH THE INSPECTOR MAY DEEM NECESSARY TO ASSURE THE ADEQUACY OF THE WELDING.

LIGHT GAGE STEEL STUD NOTES:

1. ALL STEEL STUDS AND TRACK SHALL BE FORMED FROM STANDARD COMMERCIAL GAUGE STEEL WITH A MINIMUM YIELD POINT AT 33,000 PSI, UP TO 18 GA, 50,000 PSI FOR 16 GA & HEAVIER, AND SHALL COMPLY WITH ASTM-A570.

2. ALL FRAMING COMPONENTS SHALL BE CUT TO FIT SQUARELY AGAINST BRACING OR ABUTTING MEMBERS COMPONENTS SHALL BE HELD FIRMLY IN POSITION UNTIL FASTENED IN A PROPER MANNER.

3. ALL STEEL STUDS SHALL BE ATTACHED BY WELDING OR APPROPRIATE SIZE AND QUANTITY OF FASTENERS. WIRE TYING WILL NOT BE PERMITTED.

4. BUTT WELDS OR SPLICES MAY BE USED AT ALL TRACK JOINTS. SPLICES IN AXIAL LOADED STUDS OR BRACES WILL NOT BE PERMITTED. ALL WELDS SHALL BE SEAM, BUTT OR PLUG WELDS. WHERE STUDS ARE BURNED THROUGH BY WELDING, A SUITABLE STITCH PLATE SHALL BE PROVIDED.

5. CONTINUOUS STEEL TRACK SHALL BE UNPUNCHED, 16 GAUGE AND / OR SIMILAR DIMENSIONS MADE TO INSURE A PROPER FIT, UNLESS OTHERWISE NOTED.

6. ALL SECTIONS AND NOMENCLATURE IS IN REFERENCE TO AND SHALL BE IN COMPLIANCE WITH ONE OF THE 12 MANUFACTURERS LISTED UNDER ICC ESR 3064P.

7. ALL SUBSTITUTIONS SHALL HAVE AN ICC REPORT, AND WILL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

8. WHERE 'SMS' IS CALLED OUT ON DRAWINGS, USE HILTI KWIK-PRO SELF-DRILLING SCREWS (ESR-2196).

9. SMS SHALL BE INSTALLED PERPENDICULAR TO THE WORK SURFACE AND MUST PENETRATE THROUGH THE SUPPORTING STEEL WITH A MINIMUM OF THREE (3) THREADS PROTRUDING PAST THE BACK SIDE OR THE SUPPORTING STEEL.

STEEL STUD IDENTIFICATION NOTES:

ALL STEEL STUD PRODUCTS HAVE A FOUR PART IDENTIFICATION CODE WHICH IDENTIFIES THE SIZE (BOTH DEPTH AND FLANGE WIDTH), STYLE, AND MATERIAL THICKNESS OF EACH MEMBER.

EXAMPLE:

MEMBER DEPTH:
(EXAMPLE: 4" = 400 X 1/100 INCHES) ALL MEMBER DEPTHS ARE TAKEN IN 1/100 INCHES. FOR ALL "T" SECTIONS MEMBER DEPTH IS THE INSIDE TO INSIDE DIMENSION.

400 - S

STYLE:
(EXAMPLE: STUD OR JOIST SECTION = S) THE FOUR ALPHA CHARACTERS UTILIZED BY THE DESIGNATOR SYSTEM ARE: S = STUD OR JOIST SECTIONS T = TRACK SECTIONS U = CHANNEL SECTIONS F = FURRING CHANNEL SECTIONS

FLANGE WIDTH:
(EXAMPLE: 1.625" = 162 X 1/100 INCHES) ALL FLANGE WIDTHS ARE TAKEN IN 1/100 INCHES.

162 - 54

MATERIAL THICKNESS:
(EXAMPLE: 0.054 IN. = 54 MILS; 1 MIL = 1/1000 IN.) MATERIAL THICKNESS IS THE MINIMUM BASE METAL THICKNESS IN MILS. MINIMUM BASE METAL THICKNESS REPRESENTS 95% OF THE DESIGN THICKNESS.

STRUCTURAL STEEL NOTES:

1. ALL ROLLED STRUCTURAL STEEL SHALL CONFORM TO ASTM A-992 GRADE 50. SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE AISC SPECIFICATIONS AND CODE OF STANDARD PRACTICE AS AMENDED TO DATE. ALL MISC. ANGLES, BASE PLATES, STIFFENERS AND CONNECTION PLATES SHALL CONFORM TO A-36.

2. STRUCTURAL TUBES SHALL CONFORM TO ASTM A-500, GRADE B, AND HOLLOW STEEL SECTIONS SHALL CONFORM TO ASTM A-500, GRADE C WHERE AVAILABLE.

3. STRUCTURAL PIPE COLUMNS SHALL CONFORM TO ASTM A-53, TYPE S, GRADE B.

4. ALL BOLTS, NUTS, AND WASHERS SHALL CONFORM TO ASTM A-307 UNLESS NOTED OTHERWISE ON THE DRAWINGS.

5. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STEEL FOR THE ENGINEERS REVIEW PRIOR TO FABRICATION. ALL STEEL FABRICATION SHALL BE PERFORMED IN A SHOP APPROVED BY THE BUILDING DEPARTMENT.

6. ALL WELDING SHALL BE PERFORMED BY EXPERIENCED AWS CERTIFIED WELDERS USING THE ELECTRIC ARC WELDING PROCESS AND E70XX SERIES ELECTRODES. WELDING SHALL CONFORM TO AISC AND AWS STANDARDS. ALL WELDING SHALL BE SPECIALLY INSPECTED BY AN AWS-CWI QUALIFIED INSPECTOR APPROVED BY DSA.

7. EXCEPT WHERE ENCASED IN CONCRETE, MASONRY, OR SPRAYED-ON FIREPROOFING, ALL STEEL SHALL BE PRIMED AND PAINTED UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED.

8. OPENINGS SHALL NOT BE PLACED IN STEEL MEMBERS UNLESS SPECIFICALLY DETAILED. STEEL MEMBERS SHALL BE SHORED WHEN PERMISSIBLE HOLES ARE CUT WITH A TORCH AFTER STEEL IS ERECTED. THE SHORES SHALL REMAIN IN PLACE UNTIL THE STEEL TEMPERATURE HAS RETURNED TO AIR TEMPERATURE.

9. ALL WELDS NOT SPECIFIED SHALL BE CONTINUOUS FILLET WELDS. WELD SIZES SHALL NOT BE LESS THAN THE MINIMUM WELD SIZES SPECIFIED IN THE LATEST EDITION OF AWS D1.1.

10. STRUCTURAL STEEL SHALL BE DELIVERED TO THE JOB SITE FREE OF EXCESSIVE RUST, MILL SCALE, GREASE, ETC. AND SHALL BE PRIMED.

MECHANICAL & ADHESIVE ANCHORS:

1. EPOXY ANCHORS AND DOWELS INSTALLED INTO CONCRETE:
   A. "HIT-RE 500-V3" BY HILTI, INC. (ICC ESR-3814)

3. EXPANSION ANCHORS INSTALLED INTO CONCRETE:
   A. "KWIK BOLT TZ" BY HILTI, INC. (ICC ESR-1917)

4. SCREW ANCHORS INSTALLED INTO CONCRETE:
   A. HILTI HUS (ICC ESR-3027)

5. ADHESIVE ANCHORS: GRADE 36 THREADED ROD (F1554 GRADE 36, OR A36, OR A307-S1) WITH ASTM A 563 GRADE A NUTS AND ANSI B18.22.1 TYPE A WASHERS, UNLESS OTHERWISE NOTED.

6. ADHESIVE DOWELS: ASTM A615 (OR ASTM A706) GRADE 60 REINFORCING STEEL.

7. ALL ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ICC-ES REPORT AND COLA REPORT AND MANUFACTURERS RECOMMENDATIONS.

8. UNLESS OTHERWISE NOTED, PROVIDE MINIMUM EMBEDMENT OF ANCHORS PER ICC-ES REPORT, COLA REPORTS & MANUFACTURERS RECOMMENDATIONS.

9. CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL OR ADHESIVE ANCHORS. AT CONTRACTOR OPTION, OVERSIZED HOLES AND WELDED PLATE WASHERS CAN BE USED IN LIEU OF STANDARD DIAMETER HOLES. SIZE & WELD

10. PRIOR TO ALL DRILLING OR CORING, THE CONTRACTOR SHALL (1) VERIFY THE EXISTING CONCRETE OR MASONRY THICKNESS TO PREVENT DAMAGE TO THE OPPOSITE FACE OF CONCRETE AND MAINTAIN 1-1/2" CLEAR COVER U.N.O., AND (2) IDENTIFY EXISTING REINFORCING LOCATIONS BY PACHHOMETER, PROBING, CHIPPING, ETC. TO AVOID DAMAGE EXISTING REINFORCING.

11. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT, PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOWEL AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.

12. TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION.

13. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE OR GROUT HAVING A MINIMUM AGE OF 21 DAYS AT THE TIME OF ANCHOR INSTALLATION.

14. FOR EXTERIOR AND FOR EXPOSED APPLICATIONS PROVIDE HOT DIP GALVANIZED OR STAINLESS STEEL ANCHORS.

TESTING FOR MECHANICAL AND ADHESIVE ANCHORS:

11. POST INSTALLED ANCHOR TEST FREQUENCY (UNLESS SPECIFICALLY NOTED):
A. SILL PLATE ANCHOR BOLTS 10%
B. ANCHORS FOR MECHANICAL/ELECTRICAL EQUIPMENT & CURBS 50%
C. EPOXY DOWELS AT NEW TO EXISTING SLAB ON GRADE NO TEST
D. ANCHORS TO MASONRY CONSTRUCTION 25%
E. ALL OTHER ANCHORS 100%

17. TEST ACCEPTANCE CRITERIA:
A. EPOXY ANCHOR TEST WITH HYDRAULIC JACK: MAINTAIN LOAD FOR 15 SECONDS WITH NO DISCERNABLE MOVEMENT.
B. EXPANSION ANCHOR TEST WITH TORQUE WRENCH: OBTAIN SPECIFIED TORQUE WITHIN 1/2 TURN OF NUT
C. SCREW TYPE ANCHOR TEST WITH TORQUE WRENCH: OBTAIN SPECIFIED TORQUE WITHIN 1/4 TURN OF SCREW

18. TEST LOADS (UNLESS SPECIFICALLY NOTED):
A. MECHANICAL ANCHOR: MANUFACTURER'S INSTALLATION TORQUE
B. 3/8" EPOXY ANCHOR: 3,168 LBS TENSION (5,280 LBS FOR #3 REBAR) *
C. 1/2" EPOXY ANCHOR: 5,760 LBS TENSION (9,600 LBS FOR #4 REBAR) *
D. 5/8" EPOXY ANCHOR: 8,928 LBS TENSION (14,880 LBS FOR #5 REBAR) *
E. 3/4" EPOXY ANCHOR: 12,672 LBS TENSION (21,120 LBS FOR #6 REBAR) *
F. 7/8" EPOXY ANCHOR: 17,280 LBS TENSION (28,800 LBS FOR #7 REBAR) *
G. 1" EPOXY ANCHOR: 22,750 LBS TENSION (37,917 LBS FOR #8 REBAR) *

* OR 2 x MANUFACTURES EPOXY CAPACITY WHICHEVER IS LESS

GENERAL STRUCTURAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS AT THE JOB SITE PRIOR TO STARTING CONSTRUCTION AND THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.

2. ALL PHASES OF WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE 2016 CALIFORNIA BUILDING CODE. WITH DSA ADENDMENTS.

3. THE CONTRACT CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE NOTED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT LIMITED TO, BRACING, ALL SHORING, FORMS, AND SCAFFOLDING.

4. OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN SLABS, BEAMS, COLUMNS, WALLS, ETC., UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.

5. ALL ASTM SPECIFICATIONS NOTED ON THESE DRAWINGS SHALL BE OF THE LATEST REVISION.

6. CONTINUOUS INSPECTION BY A REGISTERED DEPUTY INSPECTOR APPROVED BY THE ARCHITECT AND/OR ENGINEER AND THE DIVISION OF THE STATE ARCHITECTS SHALL BE EMPLOYED BY THE CONTRACTOR FOR THE FOLLOWING TYPES OF WORK:
   A. ALL CONCRETE WORK ABOVE GRADE INVOLVING CONCRETE STRENGTH GREATER THAN 2000 P.S.I.
   B. FOUNDATION CONCRETE INVOLVING CONCRETE STRENGTH GREATER THAN 2500 P.S.I.
   C. ALL FIELD WELDING. EXCEPTION: SINGLE PASS FILLET WELDS LESS THAN 5/16", ONLY PERIODIC INSPECTION IS REQUIRED.
   D. ALL EPOXY & EXPANSION ANCHORS
   E. ALL WORK INVOLVING HIGH STRENGTH BOLTS.
   F. SEE MASONRY SECTION FOR ADDITIONAL REQUIREMENTS.
   G. SEE CBC SECTION 1701A, VOL.II FOR ADDITIONAL REQUIREMENTS.

7. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALLPROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. THE PROJECT INSPECTOR SHALL BE CERTIFIED BY DSA TO INSPECT CLASS 1 CONSTRUCTION.

8. IN THE EVENT THAT CERTAIN FEATURES OF CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE NOTES OR SPECIFICATIONS. NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY & WAIT FOR INSTRUCTIONS.

9. COST OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION, SHALL BE BORNE BY THE CONTRACTOR.

10. WHERE SOIL REPORT IS CITED, ITS REQUIREMENTS ADOPTED HEREIN.

11. ALL MANUFACTURED PRODUCTS MUST BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.

12. THE CONTRACTOR ACKNOWLEDGES AND UNDERSTANDS THAT THE CONTRACT DOCUMENTS MAY REPRESENT IMPERFECT DATA AND MAY CONTAIN ERRORS, OMISSIONS, CONFLICTS, INCONSISTENCIES, CODE VIOLATIONS AND IMPROPER USE OF MATERIALS. SUCH DEFICIENCIES WILL BE CORRECTED WHEN IDENTIFIED. THE CONTRACTOR AGREES TO CAREFULLY STUDY AND COMPARE THE INDIVIDUAL CONTRACT DOCUMENTS AND REPORT AT ONCE IN WRITING TO THE OWNER ANY DEFICIENCIES THE CONTRACTOR MAY DISCOVER. THE CONTRACTOR FURTHER AGREES TO REQUIRE EACH SUBCONTRACTOR TO LIKEWISE STUDY THE DOCUMENTS AND TO REPORT AT ONCE ANY DEFICIENCIES DISCOVERED. THE CONTRACTOR SHALL RESOLVE ALL REPORTED DEFICIENCIES WITH CONSULTANT PRIOR TO AWARDING ANY SUBCONTRACTS OR STARTING ANY WORK WITH THE CONTRACTOR'S OWN EMPLOYEES. IF THE CONTRACTOR WITHOUT ADDITIONAL TIME OR ADDITIONAL EXPENSE CANNOT RESOLVE ANY DEFICIENCIES, THE CONTRACTOR SHALL SO INFORM THE OWNER IN WRITING. ANY WORK PERFORMED PRIOR TO RECEIPT OF INSTRUCTIONS FROM THE OWNER WILL BE DONE AT THE CONTRACTOR'S RISK.

13. STRUCTURAL OBSERVATION: OBSERVATION OF WELDED JOINTS IS FOR GENERAL CONFIGURATION OF THE JOINT ONLY NOT FOR WELD QUALITY. MEASUREMENT OF MEMBERS, CONNECTION MATERIAL AND WELDS IS NOT A PART OF STRUCTURAL OBSERVATION, AS THIS IS PERFORMED AS A PART OF INSPECTION.

14. AS A CONVENIENCE TO THE CONTRACTOR, ENGINEER SHALL REVIEW REQUIRED SHOP DRAWINGS FOR GENERAL CONFORMANCE TO THE STRUCTURAL DESIGN. CONTRACTOR SHALL BE RESPONSIBLE, NONETHELESS, FOR COMPLIANCE AND DIMENSIONS AND SHALL SUBMIT SHOP DRAWINGS IF APPLICABLE, FOR THE FOLLOWING:
   A. STRUCTURAL STEEL
   B. CONCRETE POURING SEQUENCE, SHORING DETAILS AND SPECIAL CONSTRUCTION TECHNIQUES (CERTIFICATION MAY BE REQUIRED).
   C. SUCH OTHER ITEMS AS MAY BE REQUIRED ON PLANS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND COMPLIANCE CERTIFICATES TO DSA WHEN REQUIRED.

15. OPTIONS, IF PROVIDED HEREIN, ARE FOR CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, SHALL COORDINATE ALL DETAILS, AND SHALL OBTAIN ~~ALL~~ REQUIRED APPROVALS.

16. ANY MECHANICAL AND ELECTRICAL EQUIPMENT, STORAGE RACKS, SAFES, AND ANY OBJECT EXPECTED TO BE IN THE BUILDING THAT HAS AN OPERATIONAL WEIGHT (FULLY LOADED) GREATER THAN 400 LBS FLOOR OR ROOF MOUNTED, OR GREATER THAN 20 LBS SUSPENDED FROM A FLOOR, CEILING OR WALL SHOULD BE SHOWN ON THESE DRAWINGS. IF THEY ARE NOT SHOWN ON THESE DRAWINGS, THEY SHOULD BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER, AND A CUT SHEET FOR THE SPECIFIC ITEM SHOULD BE MADE AVAILABLE.

17. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR). INCLUDING DSA AMENDMENTS

18. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT.

19. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

DESIGN CRITERIA:

LIVE LOADS
2ND FLOOR 80PSF
MECHANICAL MEZZANINE 40PSF (PLUS EQUIPMENT WT)

LATERAL SYSTEM: EQUIPMENT ANCHORAGE IN EXISTING CONCRETE SHEARWALL BUILDING

SEISMIC
SITE CLASS: 'D'
SEISMIC SYSTEM DESIGN CATEGORY: 'E'
S_S = 2.607
S_1 = 0.904
S_{MS} = 1.738
S_{DS} = 0.904
RISK CATEGORY III

MEZZANINE UNIT ANCHORAGE
Ap = 2.5
Rp = 6.0
Z/h = 0.66
Fp = 0.72Wp

WIND AT COMPONENTS AND CLADDING
V = 115 MPH
EXPOSURE C
W = 34 PSF EXTERIOR (LRFD)
INTERIOR ASD PRESSURE = 5 PSF

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AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

LICENSED ARCHITECT — WILLIAM AMADOR WHITTLE — C-26348 — RENEWAL DATE JANUARY 31, 2019 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — GARY A. LAMB — No. 5430 — Exp. 06/30/2018 — STRUCTURAL — STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

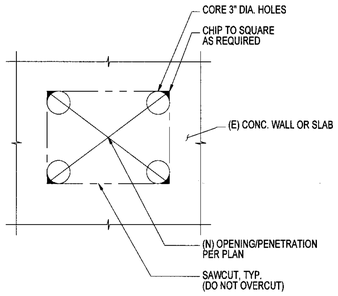
REVISIONS	DATE: 03/26/18
	DRAWN: Author
	CHECK: Checker
	JOB NO: OSG 16349

GENERAL NOTES

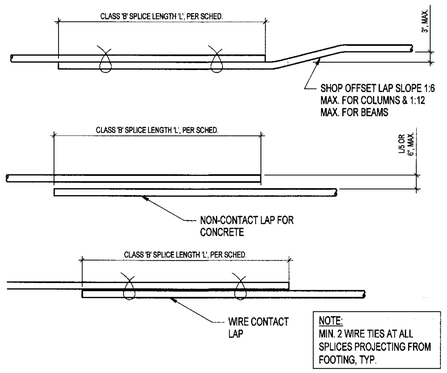
IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

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__ OF __



TYP. CONCRETE CORNER CUT DETAIL — SCALE: 1"=1'-0" — 10



NOTES:

1. TOP BARS ARE HORIZONTAL REINFORCING WITH MORE THAN 12" OF CONCRETE BELOW BARS.
2. BOTTOM BARS INCLUDE ALL VERTICALS, ALL HORIZONTAL WALL REINFORCING, AND HORIZONTAL REINFORCING WITH LESS THAN 12" OF CONCRETE BELOW BARS.
3. A. USE CLASS B SPLICES U.N.O., ADJACENT BAR SPLICES SHALL BE STAGGERED THE GREATER OF THE LENGTH OF SPLICE OR 2'-0".
   B. USE CLASS C SPLICES WHERE NOTED.
   C. USE CLASS C SPLICES WHERE MORE THAN 49% OF BARS ARE TO BE SPLICED IN ONE LOCATION.
4. SMALLER BAR LAP LENGTH SHALL BE USED WHEN SPLICING DIFFERENT SIZE BARS.
5. INCREASE SPLICE LENGTH BY 33% FOR LIGHTWEIGHT CONCRETE.

BAR DEVELOPMENT LENGTH (Ld) SCHEDULE

BAR SIZE	Fc' = 3000 psi	
	TOP BARS	OTHER BARS
#3	22"	17"
#4	29"	22"
#5	36"	28"
#6	43"	33"
#7	63"	48"
#8	72"	55"
#9	81"	62"
#10	90"	69"
#11	98"	76"

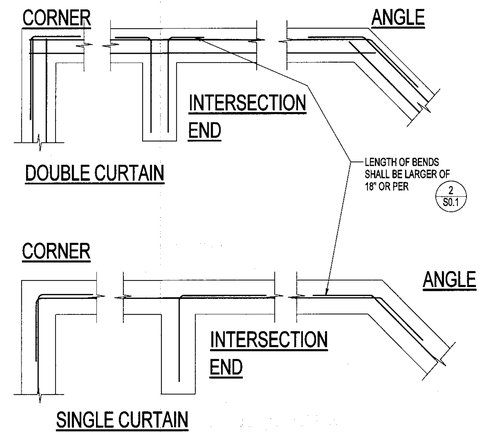
CLASS 'B' SPLICE LENGTH

BAR SIZE	Fc' = 3000 psi	
	TOP BARS	OTHER BARS
#3	28"	22"
#4	38"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"
#9	105"	81"
#10	116"	90"
#11	128"	98"

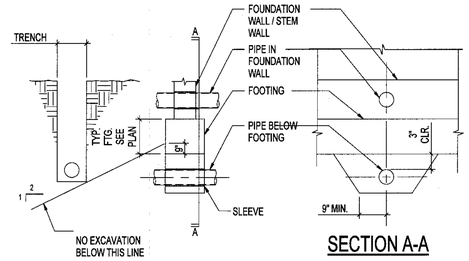
NOTES:

1. MINIMUM SPLICE LENGTH FOR BARS WITH CLASS 'B' SPLICE PER ACI-318-14
2. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" CONCRETE CAST IN THE MEMBER BOLOW THE REINFORCEMENT.
3. THESE BAR DEVELOPMENT LENGTH APPLY TO REGULAR OR NORMAL WEIGHT CONCRETE, MULTIPLY THE SPECIFIED DEVELOPMENT LENGTH BY 1.33 FOR LIGHT WEIGHT CONCRETE.
4. ALL DETAILING OF REINFORCEMENT SHALL COMPLY WITH THESE SCHEDULES UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS.

TYP. REINF. DEVELOPMENT LENGTH & LAP SPLICE SCHED. — SCALE: 1"=1'-0" — 9



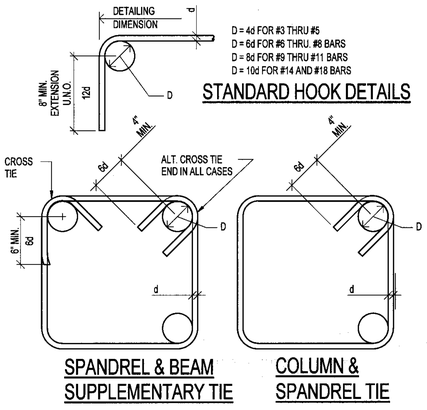
REBAR AT INTERSECTION — SCALE: 1"=1'-0" — 4

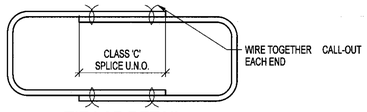


SECTION A-A

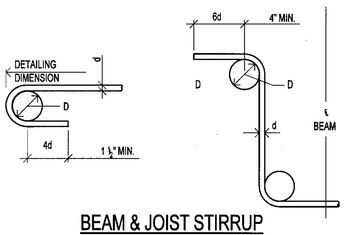
NOTE:
NO PIPE SHALL PASS THROUGH FOOTING. PROVIDE SLEEVE MIN. 1" DIA. LARGER THAN PIPE.

PIPE AT FOOTING — SCALE: 1"=1'-0" — 5





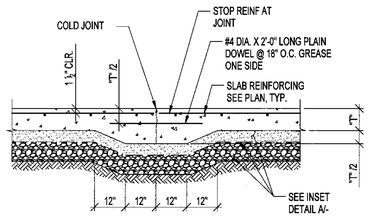
TIE LAP DETAIL



BEAM & JOIST STIRRUP

TYPICAL STANDARD HOOK DETAIL — SCALE: 1"=1'-0" — 2

CONTROL JOINT
(WHERE CONTINOUS POUR IS USED) (A)

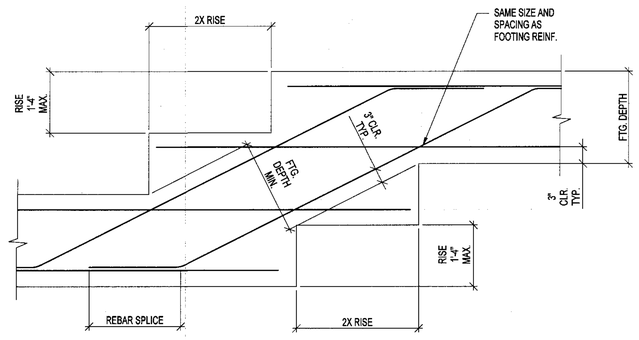


TYPICAL CONSTRUCTION JOINT (B)

NOTE:

1. CONTROL JOINTS TO BE LOCATED AT COLUMN CENTER LINES AND AT 20'-0" O.C. MAX. AND EVERY 400 SQUARE FEET.
2. IF SAW-CUT CONTROL JOINT TO BE USED, SAW-CUT WITHIN 24 HOURS OF POUR.
3. SEE PLAN FOR SLAB THICKNESS "T".

JOINTS AT SLAB ON GRADE — SCALE: 1"=1'-0" — 12



TYPICAL STEPPED FOOTING — SCALE: 1"=1'-0" — 3

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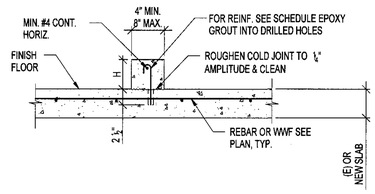
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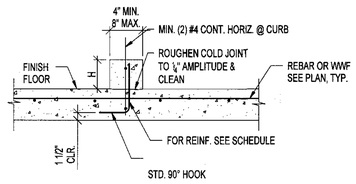
TYPICAL DETAILS

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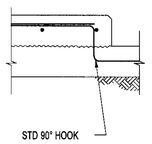
CURB W/ EPOXY DOWEL (A)

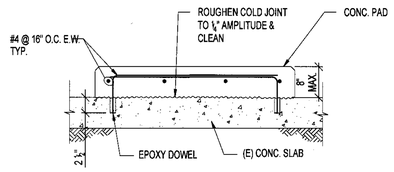


CURB (B)

CURB REINFORCING SCHEDULE		
MAX. "H"	VERTICAL	HORIZ.
6 1/2"	#3 @ 18"	(1) #4
12"	#4 @ 18"	(2) #4
18"	#4 @ 12"	(3) #4

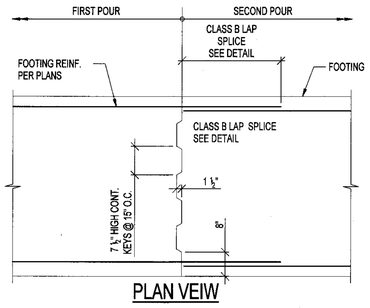
REINF. TO BE PLACED IN CURB WALL





CONC. PAD/WIDE CURB (UNDER LOCKERS & EQUIPMENT) (C)

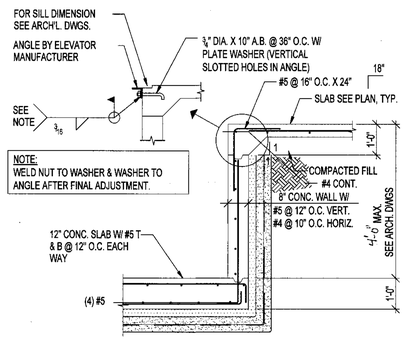
TYP. CONC. CURB DETAIL — SCALE: 1"=1'-0" — 23



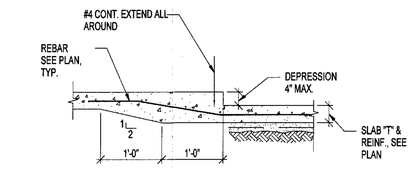
PLAN VEIW

NOTE :
WELDED SPLICES REQUIRED FOR #14 AND LARGER BARS. WHERE CONTINUOUS FOOTING IS UNDER A WALL, LOCATE CONSTRUCTION JOINT AT 1/4 OF THE CLEAR OPENING WIDTH ABOVE FROM FACE OF OPENING, OR IN MIDDLE 1/3 OF THE DISTANCE BETWEEN COLUMNS.

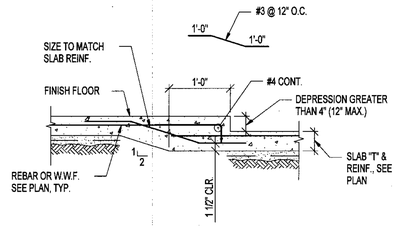
CONT. FTG. CONSTRUCTION JOINT — SCALE: 1"=1'-0" — 19



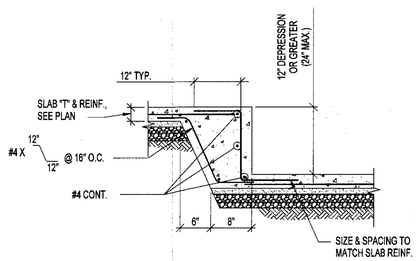
ELEVATOR PIT DETAIL — SCALE: 1"=1'-0" — 20



4" MAX. STEP (A)

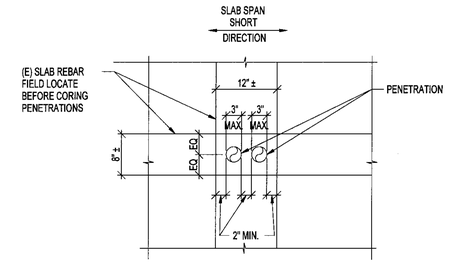


12" MAX. STEP (B)

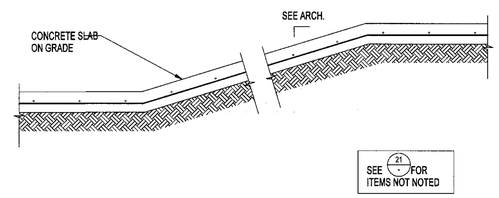


24" MAX. STEP (C)

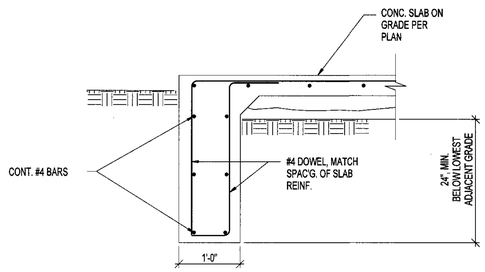
TYP. SLAB ON GRADE STEPS — SCALE: 1"=1'-0" — 17



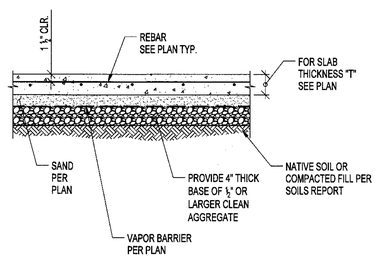
TYP. PIPE PENETRATION AT (E) CONC. SLAB — SCALE: 1"=1'-0" — 13



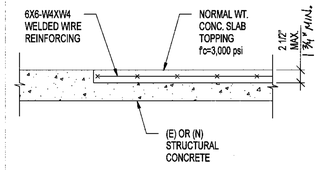
TYP. SLAB ON GRADE AT RAMP — SCALE: 1"=1'-0" — 14



TYPICAL DEEPENED SLAB EDGE — SCALE: 1"=1'-0" — 24



TYPICAL SLAB ON GRADE — SCALE: 1"=1'-0" — 21



TYPICAL TOPPING SLAB — SCALE: 1"=1'-0" — 15

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	JOB NO: OSG 16349

TYPICAL DETAILS

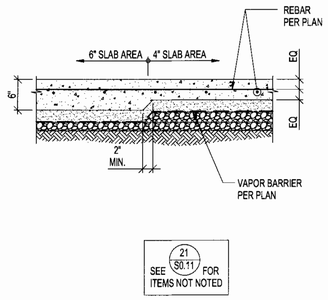
IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

S0.11 — ___ OF ___

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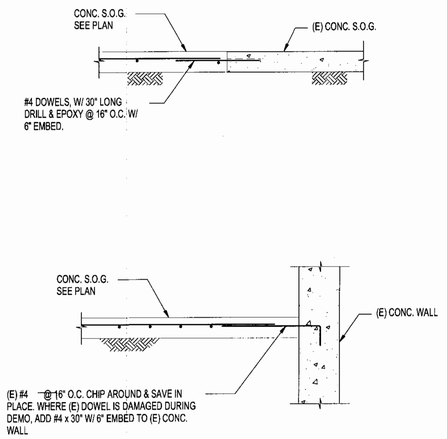
NOT TO SCALE | 34

SECTION AT THICKENED SLAB



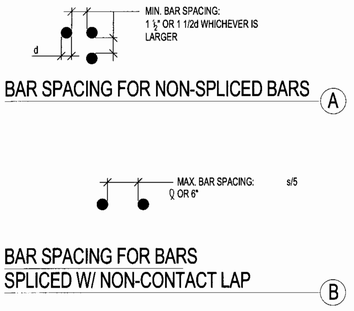
NOT TO SCALE | 31

TYP. (N) SLAB ON GRADE TO (E) CONCRETE

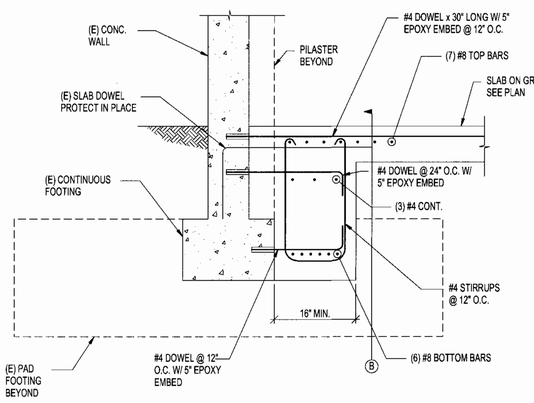


SCALE: 1"=1'-0" | 28

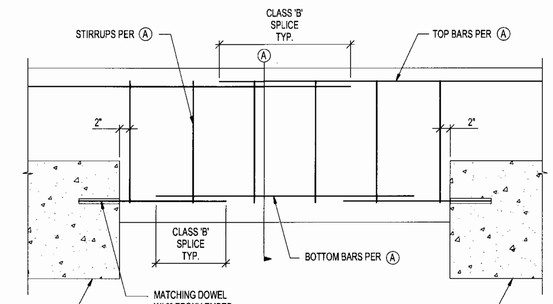
BAR SPACING



SCALE: 1"=1'-0" | 25



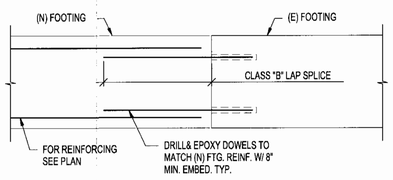
SECTION VIEW A



ELEVATION VIEW B

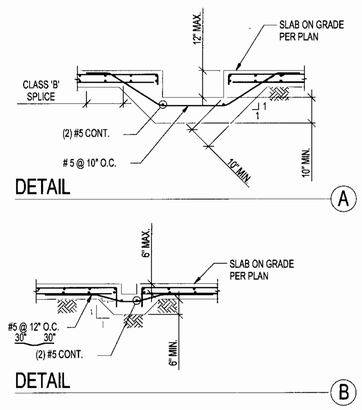
CONCRETE FOOTING STRENGTHENING

NOT TO SCALE | 32



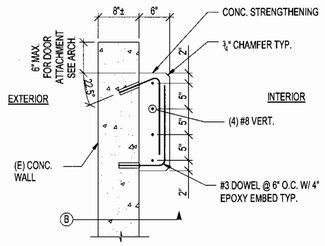
TYP. (N) FTG. TO (E) FTG.

SCALE: 1"=1'-0" | 29

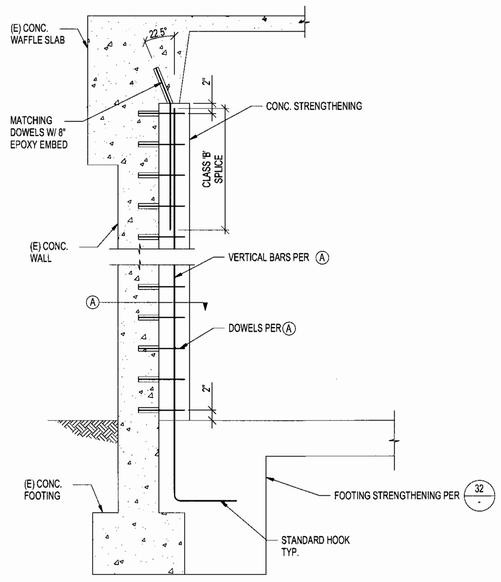


TRENCH DRAIN DETAIL

SCALE: 1"=1'-0" | 26



PLAN VIEW A



ELEVATION VIEW B

CONCRETE WALL STRENGTHENING

NOT TO SCALE | 33

-

NOT TO SCALE | 27

CONSULTANT

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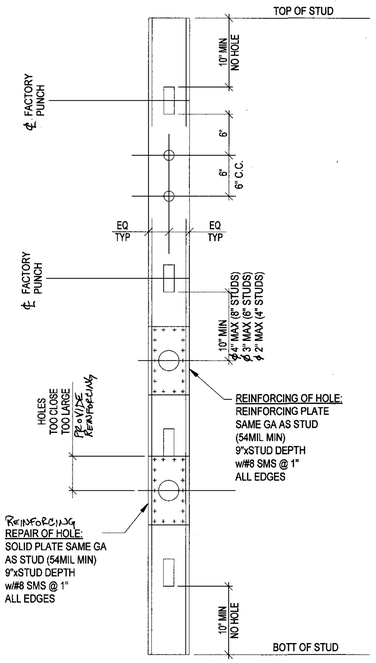
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TYPICAL DETAILS

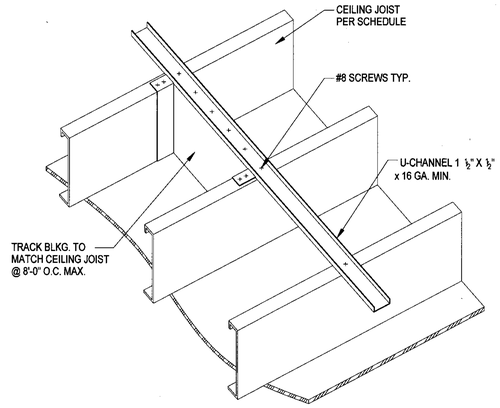
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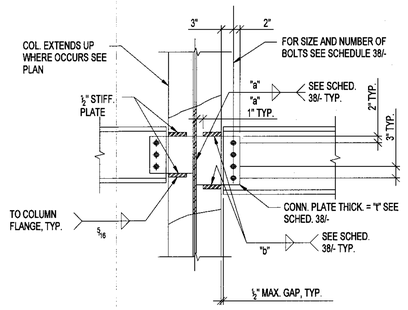
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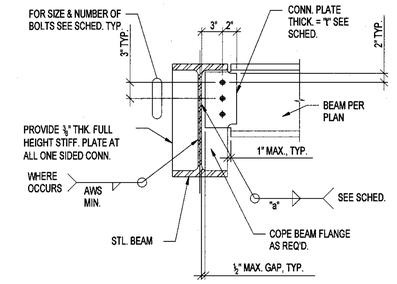
TYPICAL METAL STUD HOLES — NOT TO SCALE — 46



CEILING JOIST TOP FLANGE BRACE — NOT TO SCALE — 43



TYP. BEAM TO COL. WEB CONNECTION



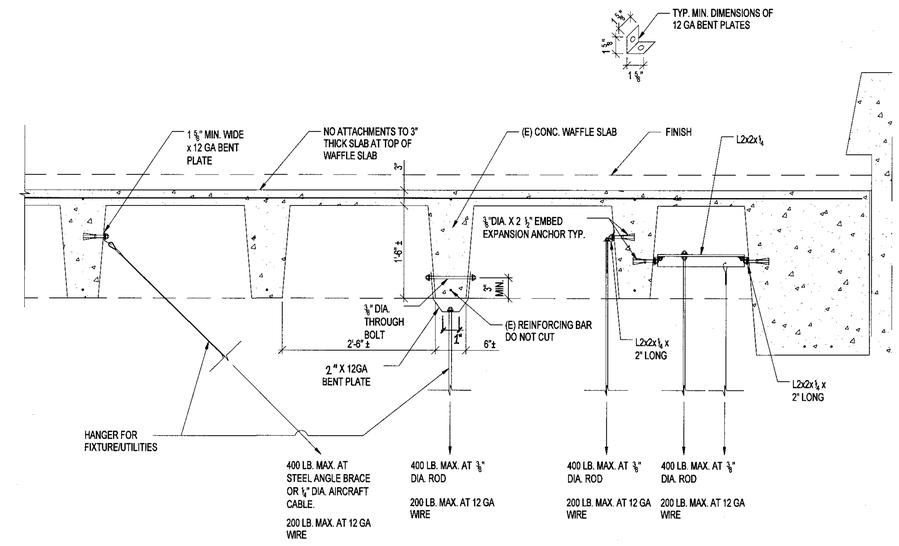
NOTE:
USE STD. HOLES AT STEEL BEAM & SHEAR PLATE, TYP.

BEAM CONNECTION SCHEDULE

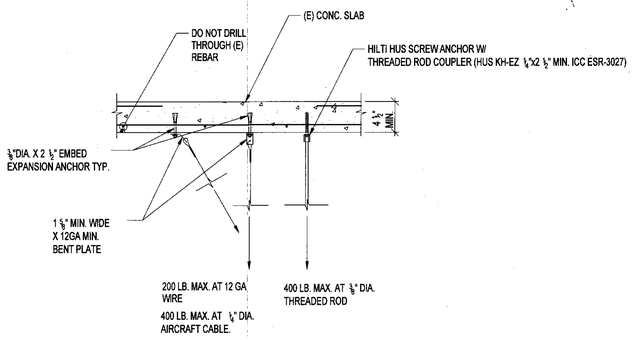
BEAM / GIRDER	CONNECTION BOLT - A325X NO. OF BOLTS	SIZE OF BOLTS	PLATE THICK "t"	WELD SIZE "a", "b"
W6	2 (2)	⅝" DIA.	¾"	5/16"
W8, W10	2	⅞" DIA.	¾"	5/16"
W12, W14	3	⅞" DIA.	¾"	⅜"
W16, W18	4	⅞" DIA.	½"	⅜"
W21	5	⅞" DIA.	½"	⅜"
W24	6	⅞" DIA.	½"	⅜"
W27	7	1" DIA.	½"	⅜"
W30	8	1" DIA.	⅝"	⅜"
W33	9	1" DIA.	⅝"	⅜"
W36	10	1" DIA.	⅝"	⅜"

NOTES:
1. ALL FILLET WELD SIZES SHOWN ARE MINIMUM WELD SIZE. WHERE WELD SIZE SHOWN ARE SMALLER THAN AWS MINIMUM WELD SIZE, AWS MINIMUM WELD SIZE SHALL BE USED.
2. FIELD WELD CONNECTION PLATES WHERE (N) MEMBERS CONNECT TO (E) MEMBERS.
3. AT W6 BEAMS PROVIDE 2" SPACING BETWEEN BOLTS

TYPICAL BEAM CONNECTION DETAIL & SCHEDULE — NOT TO SCALE — 38

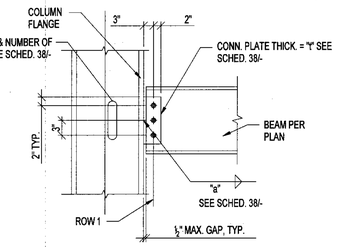


WAFFLE SLAB



FLAT SLAB

TYPICAL UTILITY ATTACHMENTS AT CONC. SLAB — NOT TO SCALE — 39

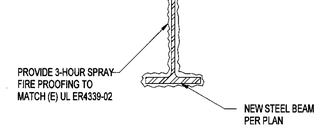


TYP. BEAM TO COL. FLANGE CONNECTION

NOTE:
USE STD. HOLES AT STEEL BEAM & SHEAR PLATE, TYP.

PROVIDE 3-HOUR SPRAY FIRE PROOFING TO MATCH (E) UL ER4339-02

TYP. BEAM TO Wx COLUMN — NOT TO SCALE — 41



TYP. STEEL BEAM UNDER CONC. SLAB — NOT TO SCALE — 44

PROVIDE 3-HOUR SPRAY FIRE PROOFING TO MATCH (E) UL ER4339-02

TYPICAL ANCHORAGES AT CONC. SLAB — NOT TO SCALE — 47

CONSULTANT

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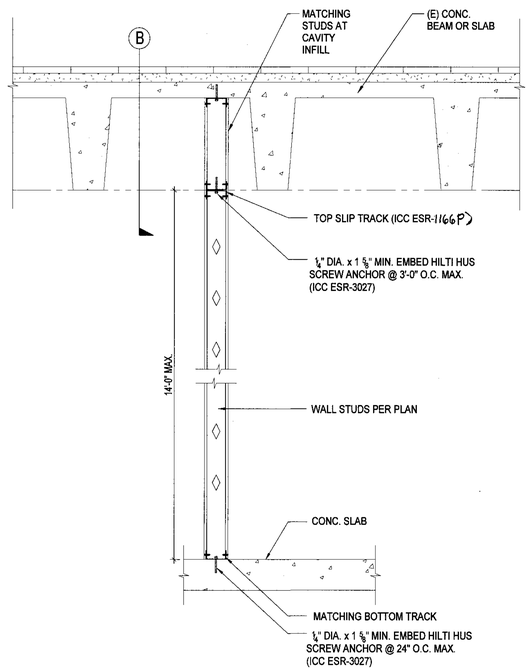
NON-BEARING STUD SCHED.				MIN. GROSS SECTION PROPERTIES		
MAX. WALL HT.	MIN. STUD SIZE	IDENTIFICATION	SPACING (O.C.)	A (IN^4)	S (IN^4)	I (IN^4)
13'-0" INTERIOR	4" x 20 GA (6" & 8" STUDS FOR 6" & 8" WALLS)	400S162-33 (600S162-33 & 800S162-33 FOR 6" & 8" WALLS)	24" O.C. MAX.	0.275	0.346	0.692
	4" x 16 GA (WHERE REQ'D, SEE NOTE #4)	400S162-54		0.443	0.533	1.098
13'-0" EXTERIOR	6" x 20 GA	600S162-33	16" O.C.	0.344	0.598	1.793
	6" x 16 GA (WHERE REQ'D, SEE NOTE #4)	600S162-54		0.556	0.927	2.860

SHAFT WALL STUD SCHED.				MIN. GROSS SECTION PROPERTIES		
MAX. WALL HT.	MIN. STUD SIZE	IDENTIFICATION	SPACING (O.C.)	A (IN^4)	S (IN^4)	I (IN^4)
13'-0" INTERIOR	2 1/2" x 20 GA	2-1/2" CT STUD 20GA	24" O.C. MAX.	0.248	0.168	0.241

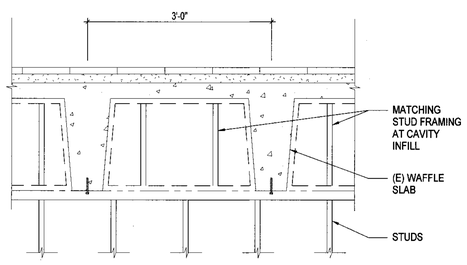
FURRING WALL STUD SCHED.				MIN. GROSS SECTION PROPERTIES		
UNBRACED HT.	MIN. STUD SIZE	IDENTIFICATION	SPACING (O.C.)	A (IN^4)	S (IN^4)	I (IN^4)
7'-0" INTERIOR	1 5/8" x 20 GA	162S125-33	24" O.C. MAX.	0.145	0.083	0.067
7'-0" INTERIOR	2 1/2" x 20 GA	250S125-33	24" O.C. MAX.	0.176	0.142	0.178

NOTES:
1. STUD SIZE BASED ON L/360 DEFLECTION LIMIT FOR EXTERIOR WALLS, L/240 FOR INTERIOR WALLS WITH NO ROCK OR MASONRY VENEER ATTACHED TO THE WALL.
2. STUD FLANGES ON BOTH SIDES OF THE WALL ARE CONTINUOUSLY ATTACHED TO GYPSUM BOARD, PLYWOOD, OR METAL SIDING. WHERE CONTINUOUS ATTACHMENT DOES NOT OCCUR, PROVIDE HORIZONTAL STRAPS PER TYP. STRAPPING DETAIL. (52/-)
3. MAX. WALL HEIGHT IS THE MAXIMUM VERTICAL SPAN OF THE STUD BETWEEN ATTACHMENTS TO STRUCTURE OR DIAGONAL BRACES.
4. USE 18GA MIN. STUDS AT ATTACHMENTS OF EQUIPMENT, CABINETS, TOILET PARTITIONS, & LOCKERS.

NON-BEARING STUD SCHEDULE U.N.O. | 61

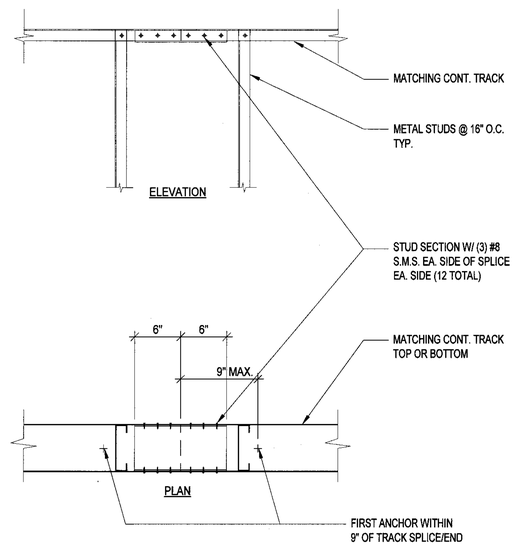


SECTION VIEW A

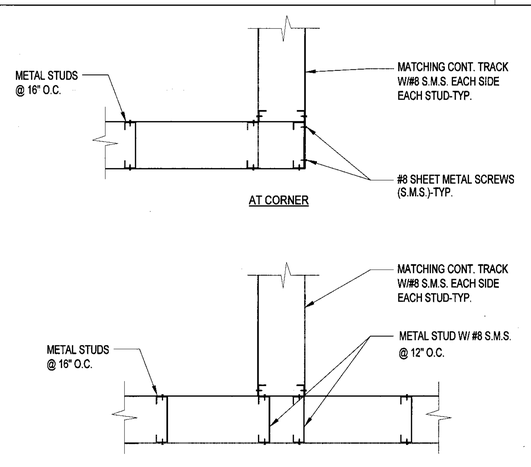


ELEVATION VIEW B

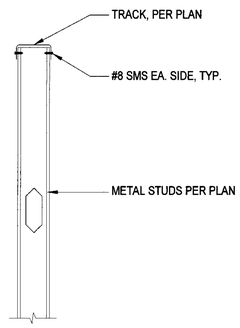
TYP. STUD TO TRACK CONNECTION 1"=1'-0" | 64



TYP. TRACK-SPLICE 1"=1'-0" | 57



TYP. WALL FRAMING AT INTERSECTION 1"=1'-0" | 58

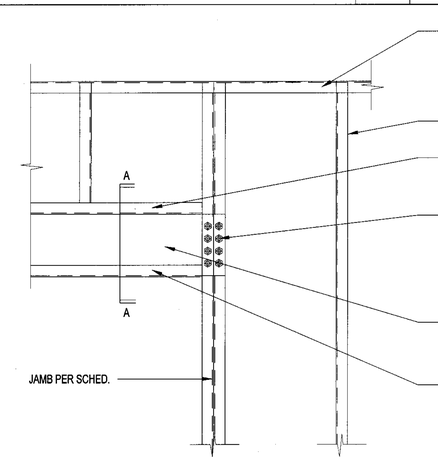


TYP. STUD TO TRACK CONNECTION 1"=1'-0" | 59

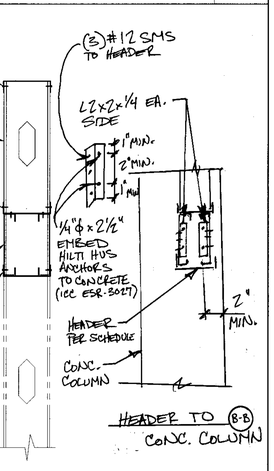
CEILING JOIST SCHED.				MIN. GROSS SECTION PROPERTIES		
MAX. SPAN	MIN. STUD SIZE	IDENTIFICATION	SPACING	A (IN^4)	S (IN^4)	I (IN^4)
9-0"	4" x 20 GA	400S162-33	24" MAX.	0.275	0.346	0.692
14-3"	6" x 20 GA [1]	600S162-33 [1]	16" O.C.	0.344	0.598	1.793

1. BRACE AT MIDSPAN, SEE (43/S0.20)

CEILING JOIST SCHEDULE U.N.O. | 60



TYP. SILL 1"=1'-0" | 53



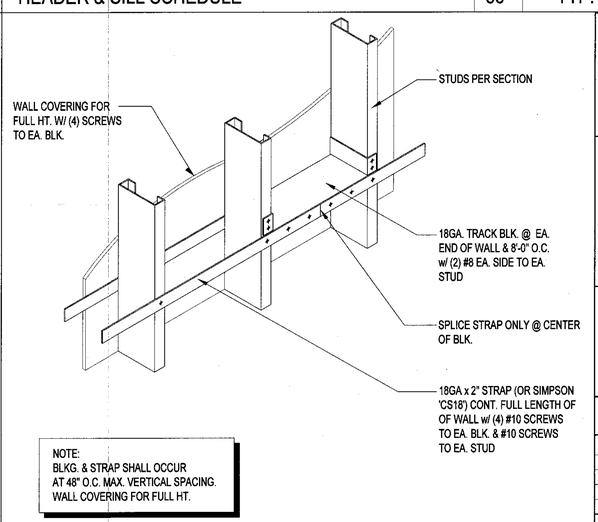
SECT. A-A

TYP. BOX HEADER 1"=1'-0" | 50

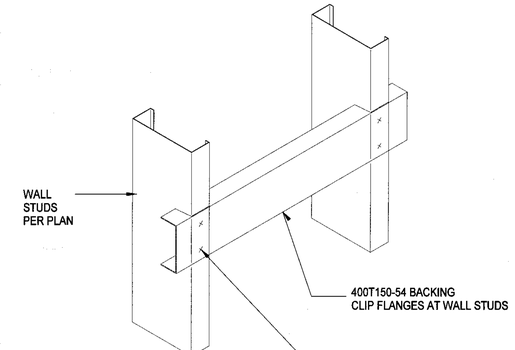
EXTERIOR NON-BEARING HEADER/SILL SCHED.			
MAX. CLEAR SPAN	HEADER SECTION	SILL SECTION	JAMB SECTION
5'-0"	(2) 600T200-43 & (2) 400S162-43	SINGLE 600T200-54 TRACK	(2) 600S162-43
8'-0"	(2) 600T200-54 & (2) 400S162-54	SAME AS HEADER	(2) 600S162-54
13'-0"	(2) 600T200-54 & (2) 800S162-54 UNPUNCHED	SAME AS HEADER	(2) 600S162-54

INTERIOR NON-BEARING HEADER/SILL SCHED.			
MAX. CLEAR SPAN	HEADER SECTION	SILL SECTION	JAMB SECTION
8'-0"	(2) 400T200-33 & (2) 400S162-33	SINGLE 400T200-43 TRACK	(2) 400S162-33
12'-0"	(2) 400T200-43 & (2) 400S162-43	SAME AS HEADER	(2) 400S162-43
15'-0"	(2) 400T200-54 & (2) 600S162-54 UNPUNCHED	SAME AS HEADER	(2) 400S162-54

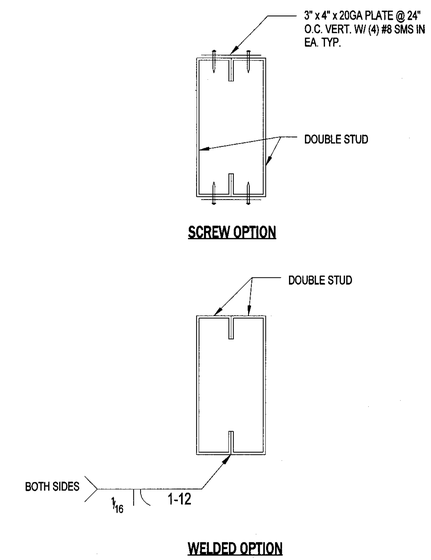
HEADER & SILL SCHEDULE 55



TYP. FLANGE BRACING 1"=1'-0" | 52



TYP. BACKING AT METAL STUD 1"=1'-0" | 51



TYP. DOUBLE STUD MENDING NTS | 49

CONSULTANT
Orion Structural
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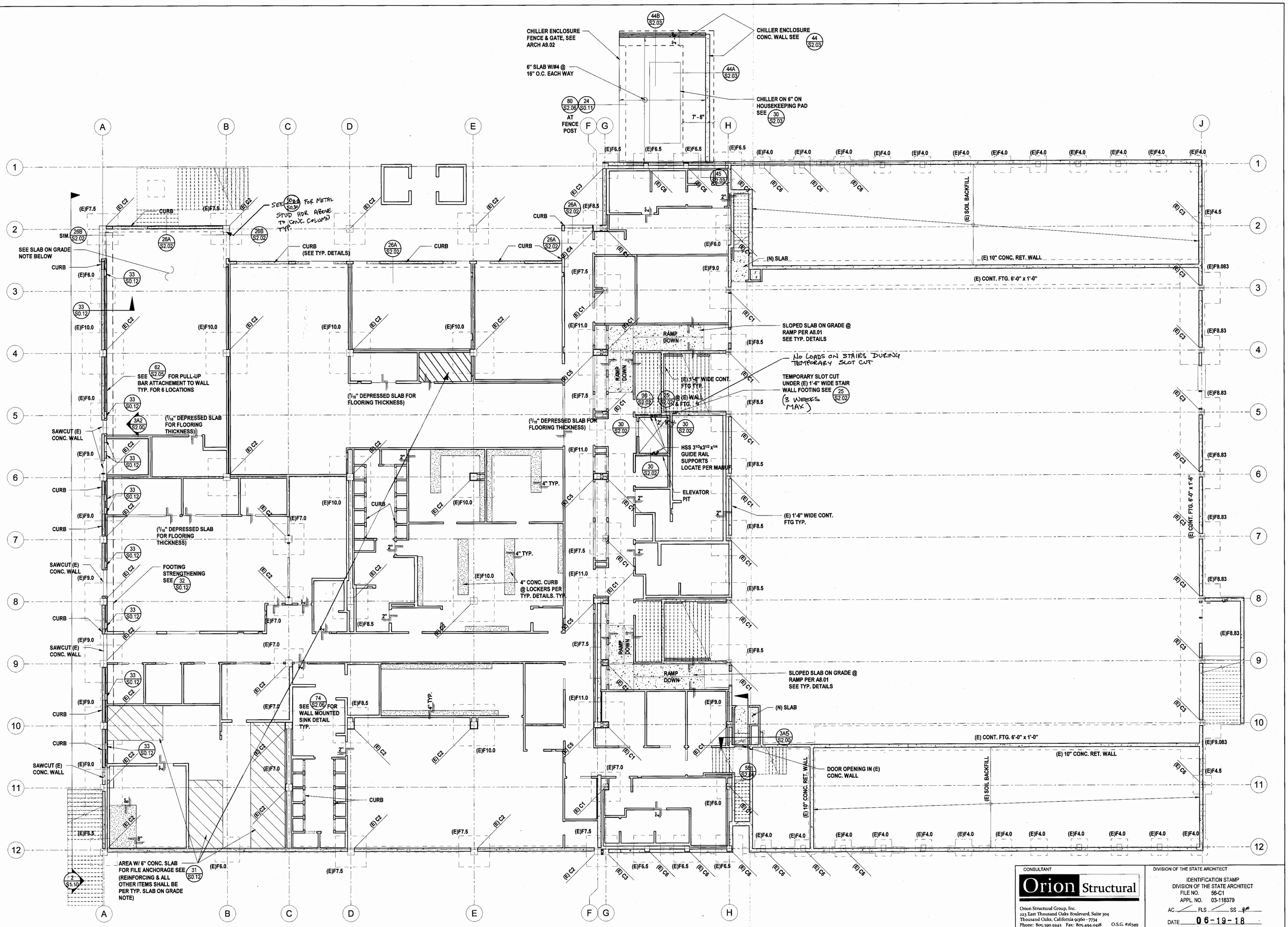
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__ OF __



EXISTING COLUMN SCHEDULE	
(E) C1	10WF45
(E) C2	20X20 CONC. COL.
(E) C3	16X16 CONC. COL.
(E) C4	20X18 CONC. COL.
(E) C5	20X16 CONC. COL.
(E) C6	14X16 CONC. COL.

FOUNDATION LEGEND

(E) FX.X

INDICATES (E) PAD FOOTING

(FOR INFO: F4.0 IS 4'-0" SIN PLAN DIMENSION ETC.)

NORTH

0' 4' 8' 16' 32'

REPLACE (E) SLAB ON GRADE PER ARCHITECTURAL DRAWINGS & AS REQUIRED FOR UTILITIES. REPLACEMENT SLAB ON GRADE SHALL BE 4" THICK (TO MATCH EXISTING) WITH #4 @ 16" O.C. E.W. OVER 2" SAND (ASTM C33) OVER 15 MIL. STEGO WRAP VAPOR BARRIER OVER 4" GRAVEL. SEE TYP. DETAILS FOR SLAB CONTROL JOINTS, STEPS, DOWELS, AND CURBS.

CONSULTANT

Orion Structural

Orion Structural Group, Inc.
223 East Thousand Oaks Boulevard, Suite 304
Thousand Oaks, California 91360 - 7734
Phone: 805.390.9242 Fax: 805.494.0418 O.S.G. #16349

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS ___ SS ___
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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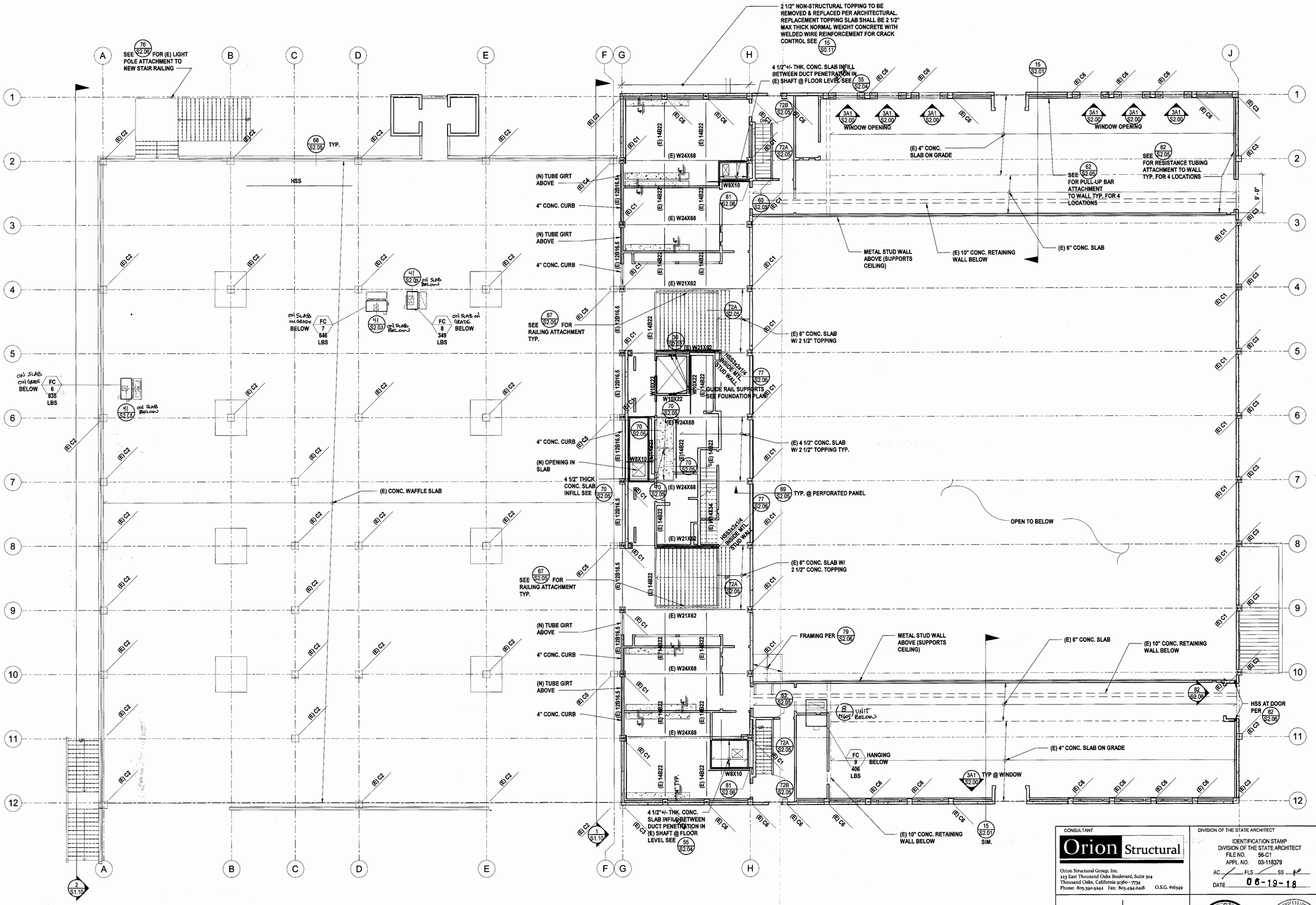
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FOUNDATION PLAN

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

S1.01

___ OF ___



1 S1.02 SECOND LEVEL FRAMING PLAN
1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

EXISTING COLUMN SCHEDULE	
(E) C1	10WF45
(E) C2	20X20 CONC. COL.
(E) C3	16X16 CONC. COL.
(E) C4	20X18 CONC. COL.
(E) C5	20X16 CONC. COL.
(E) C6	14X16 CONC. COL.

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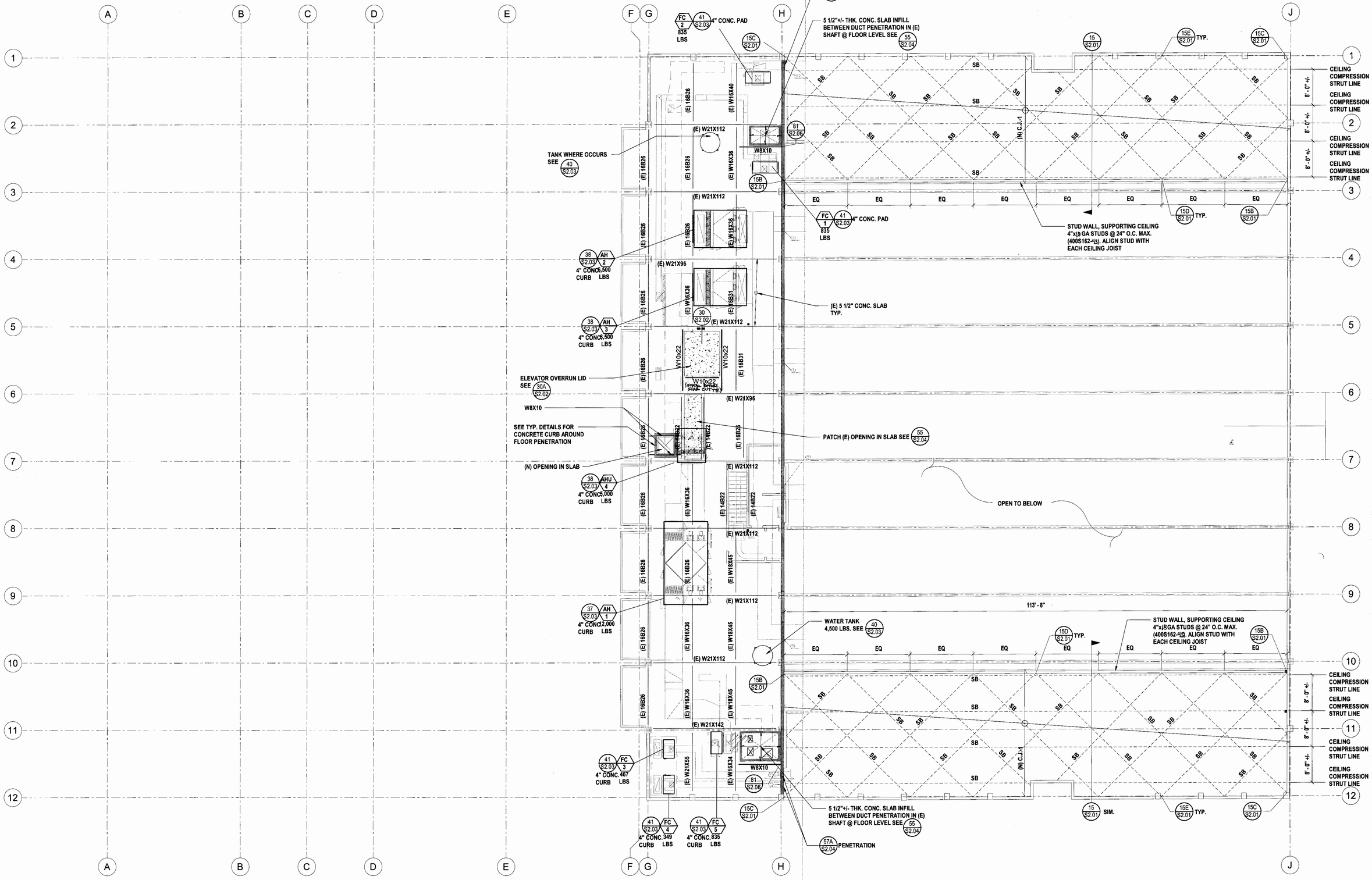
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SECOND LEVEL FRAMING PLAN

S1.02

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

SHEET ___ OF ___



1 S1.03 MEZZANINE LEVEL FRAMING PLAN

1/8" = 1'-0"

CEILING LEGEND	
CJ-1	INDICATES 2 1200S200-54 (12"x16GA) BACK-TO-BACK CEILING JOISTS @ 24" O.C. MAX. (ALIGN W/ BEAMS ABOVE PER 15/S2.01)
SB	(STRAP & BLOCKING) INDICATES MATCHING BLOCKING (1200S200-54) W/ 3"x16GA. STRAP W/ #12 SCREWS @ 6" O.C.

NORTH

0' 4' 8' 16' 32'

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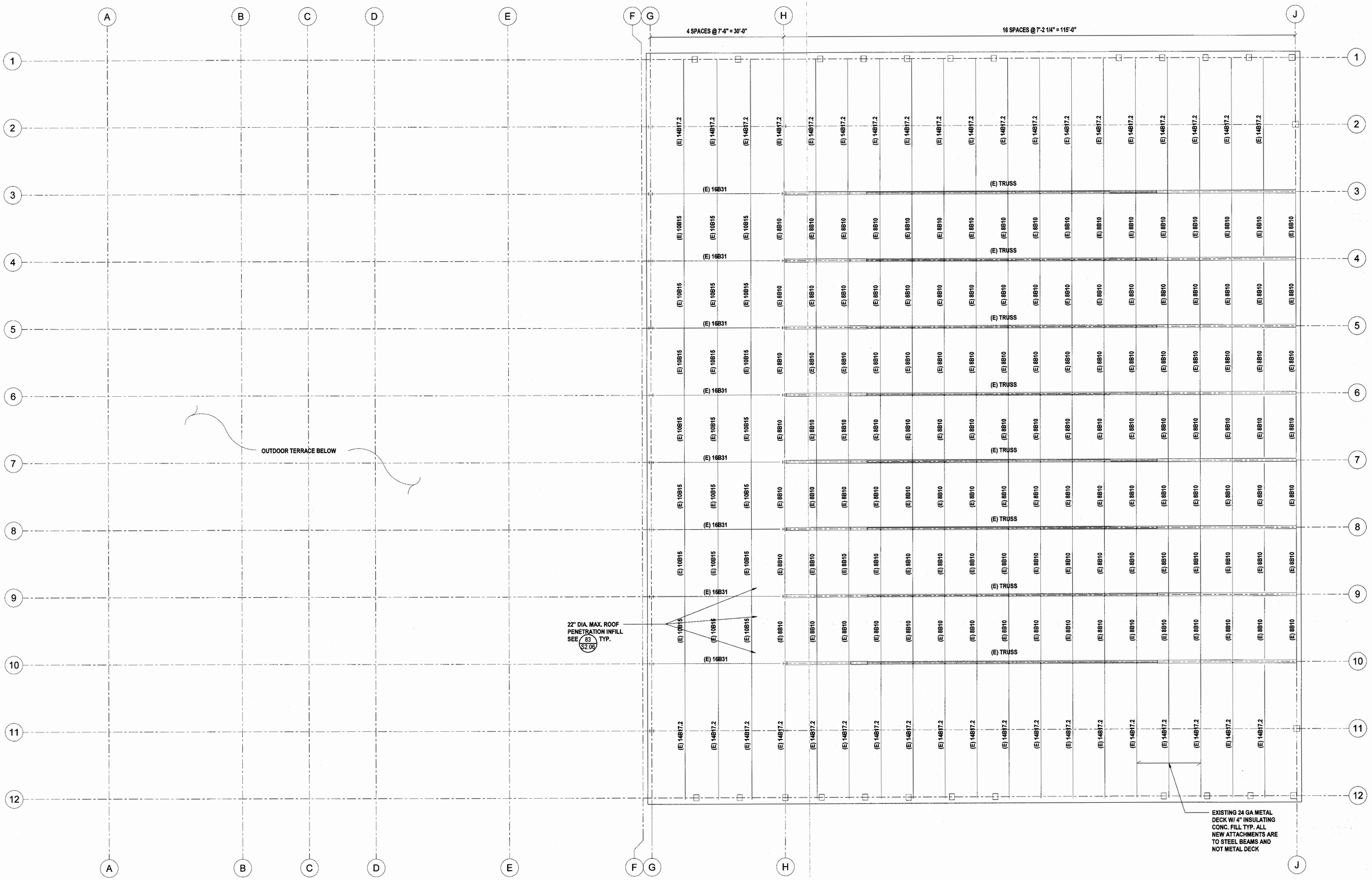
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MEZZANINE LEVEL FRAMING PLAN

S1.03

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___ OF ___



1 S1.07 ROOF FRAMING PLAN (FOR REFERENCE ONLY)
1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

CONSULTANT

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ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM F. AMADOR C-20348 JANUARY 31, 2018 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER GARY A. LARSEN NO. 5430 Exp. 06/30/2018 STRUCTURAL STATE OF CALIFORNIA

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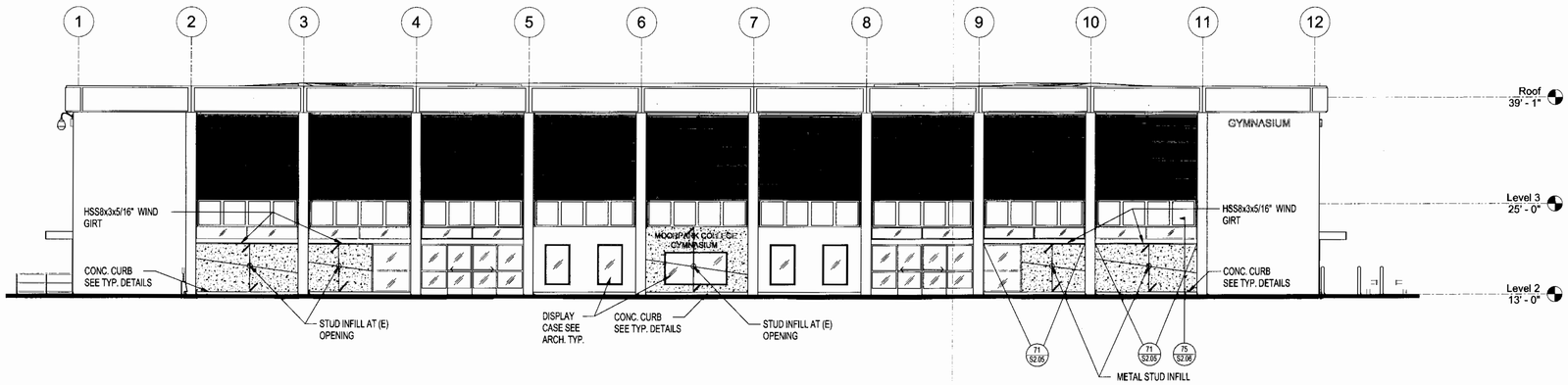
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ROOF FRAMING PLAN

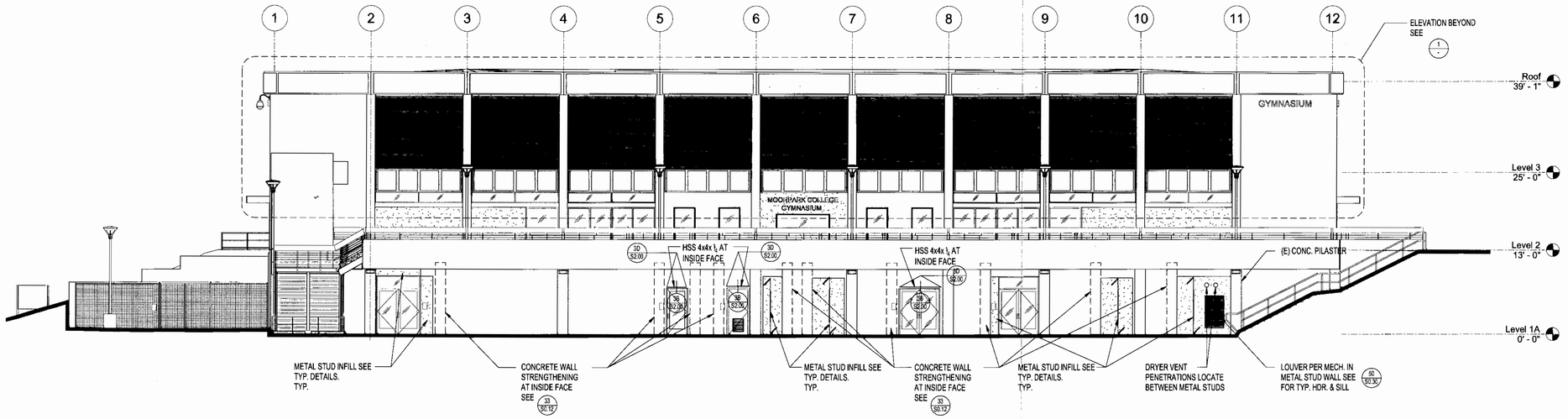
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S1.07

___ OF ___



1 EAST ELEVATION - NEW CONSTRUCTION (GRID LINE G)
1/8" = 1'-0"



2 EAST ELEVATION_OUTDOOR TERRACE - NEW CONSTRUCTION (GRID LINE A)
1/8" = 1'-0"

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LICENSED ARCHITECT WILLIAM A. LAMADOR C-20348 RENEWAL JANUARY 31, 2019 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER DAVID A. LAM No. 5430 Exp. 06/30/2018 STRUCTURAL STATE OF CALIFORNIA

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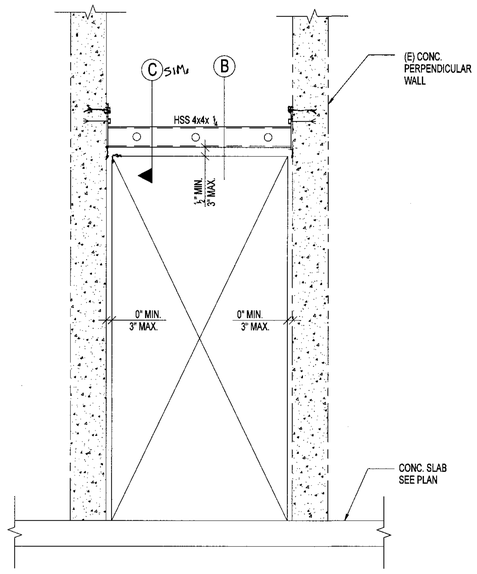
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EAST ELEVATION FRAMING

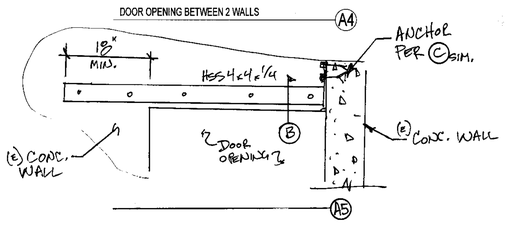
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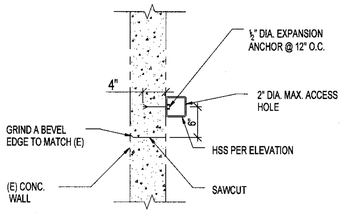
S1.10

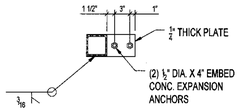
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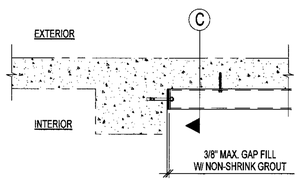
SECTION @ HSS — B



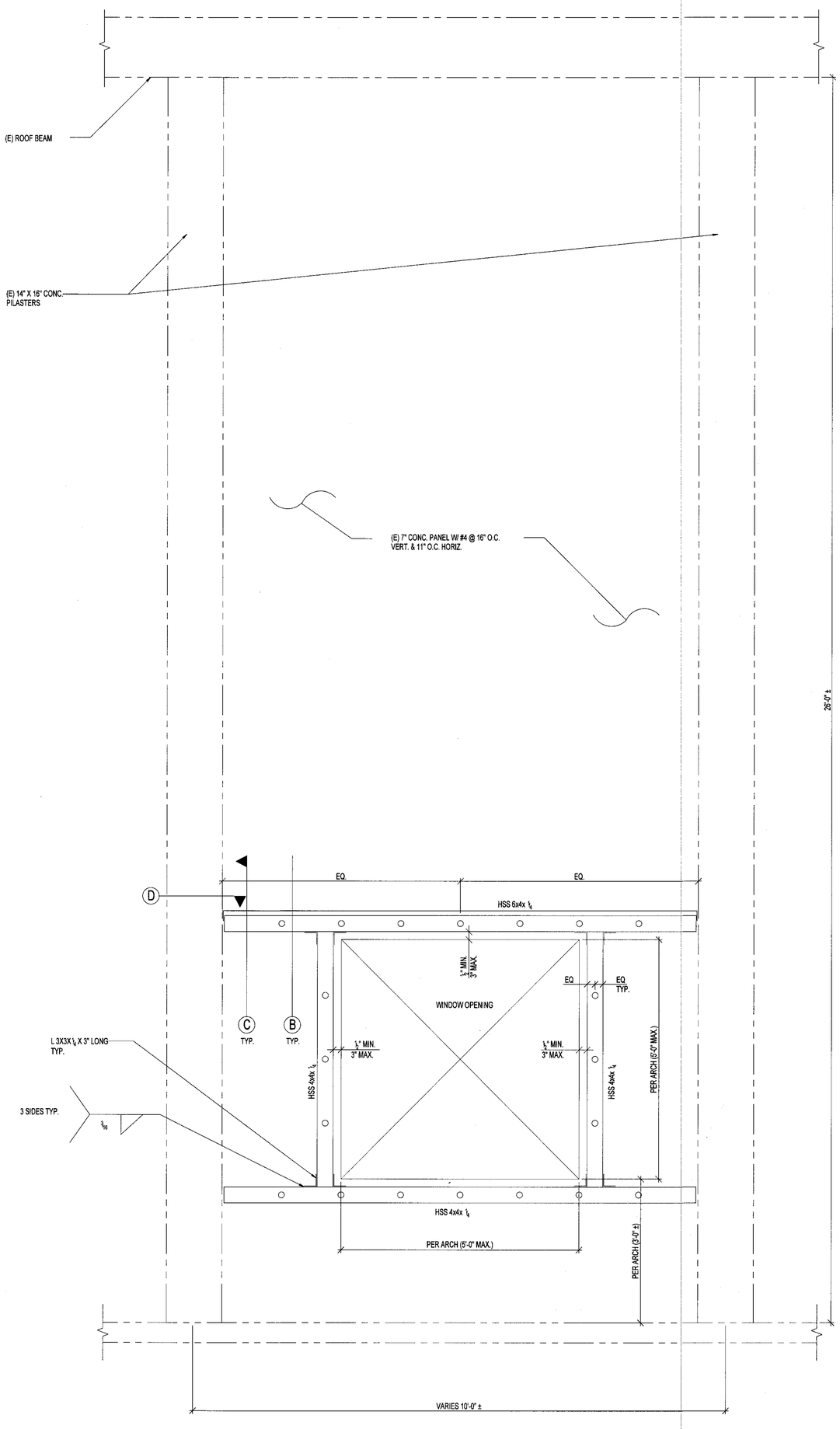




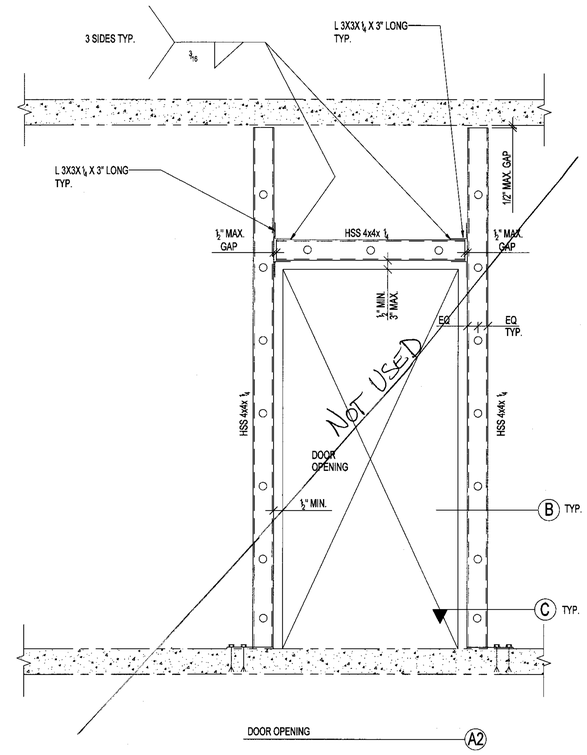
HSS ANCHOR PLATE — C



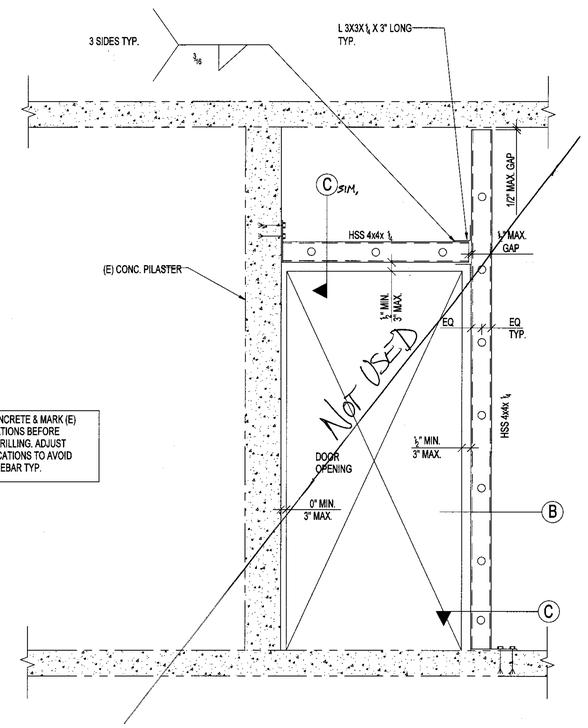
PLAN VIEW @ HSS TO PILASTER — D



TYP. INTERIOR ELEVATION @ WINDOW OPENING — A1



DOOR OPENING — A2



SCAN (E) CONCRETE & MARK (E) REBAR LOCATIONS BEFORE CUTTING & DRILLING. ADJUST ANCHOR LOCATIONS TO AVOID DAMAGING REBAR TYP.

DOOR OPENING NEXT TO PILASTER — A3

CONSULTANT

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ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM AMADOR C-33348 RENEWAL JANUARY 31, 2019 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER No. S4430 Exp. 04/30/2018 STRUCTURAL STATE OF CALIFORNIA

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S2.00

__ OF __

HSS REINFORCING @ INSIDE FACE OF CONCRETE WALL OPENING

SCALE: 1"=1'-0"

3 2 1

(E) STEEL BEAMS (14B17.2 ±) @ 7'-2 ½" O.C.

ROOF 39' - 1"

TYP. 3/16

¼" THK. CABLE ATTACHMENT PLATE TYP.

⅝" DIA. AIRCRAFT CABLE @ EA. STEEL BEAM LOCATION (7'-2 ½" ± O.C.)

(E) ROOF TRUSS

(E) 7" CONCRETE WALL

1'-0" MAX.

3" 3" 6" MAX.

8'-0" ± PER PLAN

8'-0" ± PER PLAN

8'-0" ± PER PLAN

MATCHING TOP TRACK

OVERLAP CONNECTION W/ (3) #12 SMS

DUCT PER MECH. WHERE OCCURS

(4) TIGHT TURNS AT BRACING WIRE PER DSA IR 25-2.13 TYP.

CLIP PER A

STRAP & BLOCKING PER PLAN

(2) #12 SMS

#12 SMS

C.J. PER PLAN ALIGN BELOW (E) BEAM W/ MAX. SPACING PER PLAN (STITCH TOGETHER W/ #12 SCREWS @ 12" oc. STAGG)

6" MAX. 6" MAX. 6" MAX.

CONTINUOUS 16 GA TRACK W/ #12 SMS TOP & BOTTOM @ EA. CEILING JOIST W/ 3/8" ϕ x 4" HILTI HUS SCREW ANCHOR @ 4'-0" OC. (ICC ESR 3027)

TOP OF C.J. 27' - 0"

MEZZANINE 25' - 0"

3'-6"

CONTINUOUS L2x2x20 GA W/ #10 SCREW @ EA. STUD/JOIST

FIRE SPRINKLER PIPES WHERE OCCURS

SUSPENDED CEILING SEE ARCH

DIAGONAL STRAP & BLOCKING (LOCATION VARIES)

CEILING COMPRESSION STRUT SEE ARCH

12 GA PLATE W/ #12 SCREWS TO CEILING JOIST TYP.

NON-BEARING FURRING WALL SEE METAL STUD SCHED.

16 GA CLIP @ EA. JOISTS

(2) ⅜" DIA. x 4" EMBEDMENT HILTI HUS SCREW ANCHORS (ICC ESR-3027)

(3) #12 SCREWS

5/8" MIN. GYP. W/ #10 SMS @ 4" O.C. EDGES & 12" O.C. FIELD (BLOCKED)

STRAP

2"x2"x6"x16GA TAB TYP.

(2) #12 SCREWS TYP.

BLOCKING

EQ EQ

STRAP SPLICE

SECTION VIEW A

SCAN (E) CONCRETE & MARK (E) REBAR LOCATIONS BEFORE CUTTING & DRILLING. ADJUST ANCHOR LOCATIONS TO AVOID DAMAGING REBAR TYP.

SHEET METAL SCREWS SHALL BE SIMPSON STRONG-TIE 'X' SCREWS (ICC ESR-3006)

METAL STUD WALL PER PLAN

5/8" MIN. GYP. W/ #10 SMS @ 4" O.C. EDGES & 12" O.C. FIELD (BLOCKED)

¾" DIA. x 2 ½" MIN. EMBED HILTI HUS SCREW ANCHOR @ 16" O.C.

16 GA BOTTOM TRACK W/ (2) #10 SCREWS @ EA. STUD TYP.

2" MIN.

Level 2 13' - 0"

(E) CONCRETE SLAB

(E) CONCRETE WALL

PLAN VIEW @ C.J. TO STUDS F

STITCH TOGETHER #12 SCREWS @ 12" OC. TYP.

(E) 7" CONCRETE WALL

8"x8"x16 GA x 12" RETURN LEG BENT PLATE

4" TYP.

(E) 7" CONCRETE WALL

MATCHING BLOCKING

#12 SCREWS TYP.

⅜" DIA. x 4 ½" EMBED HILTI HUS SCREW ANCHORS

(4) #12 SCREWS FROM BENT PLATE TO WALL FRAMING

B C

METAL STUD WALL PER PLAN

7 ½"

(E) 7" CONCRETE WALL

MATCHING BLOCKING

#12 SCREWS TYP.

18"x7.25"x16 GA x 12" RETURN LEG BENT PLATE

⅜" DIA. x 4 ½" EMBED HILTI HUS SCREW ANCHORS

(8) #12 SCREWS FROM BENT PLATE TO WALL FRAMING

D E

PLAN VIEW @ DIAGONAL STRAP

SECTION AT METAL STUD WALL & CEILING FRAMING

SCALE: 1"=1'-0"

15

CONSULTANT

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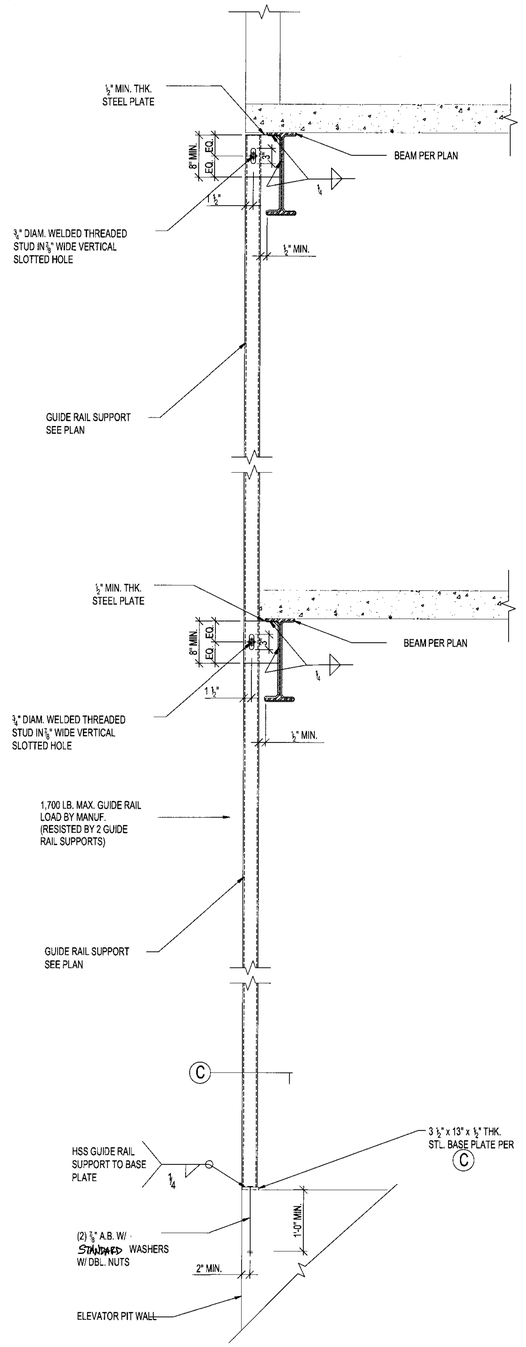
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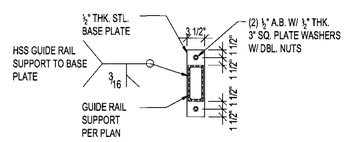
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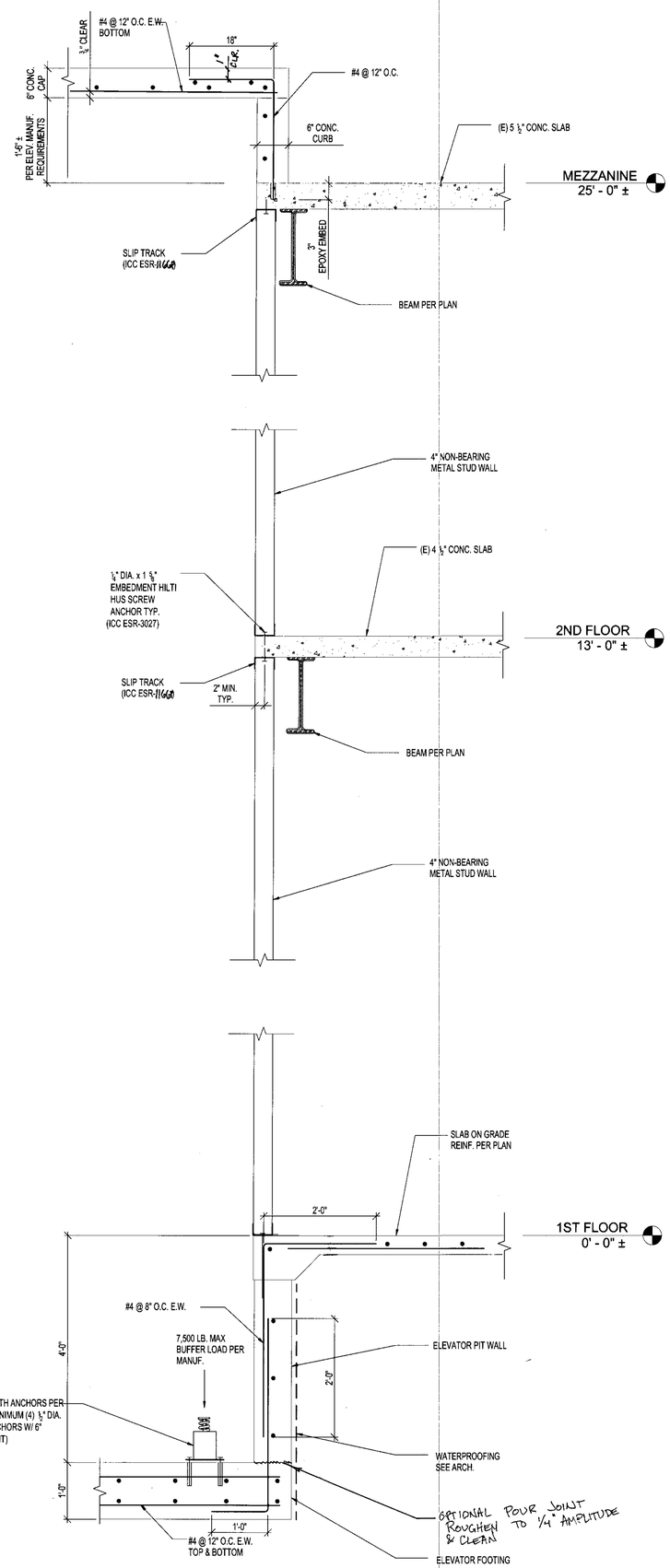
S2.01 OF



SECTION AT GUIDE RAIL SUPPORT — B



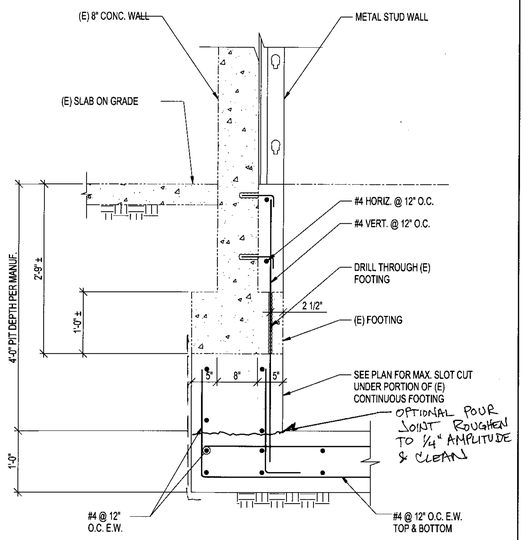
SECTION AT GUIDE RAIL SUPPORT — C



SECTION AT NON-BEARING MTL. STUD WALL — A

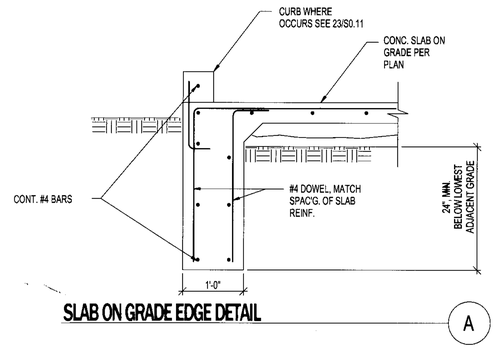
SECTION AT ELEVATOR

SCALE: 1"=1'-0" | 30

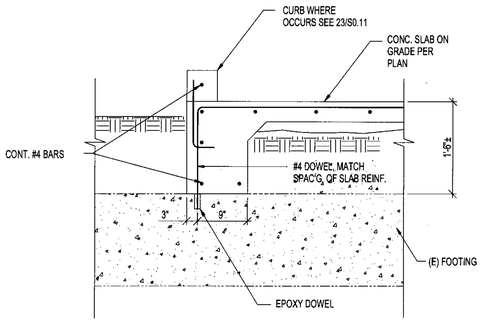


SECTION ELEVATOR PIT @ (E) FOOTING

SCALE: 1"=1'-0" | 25



SLAB ON GRADE EDGE DETAIL — A



SLAB ON GRADE AT (E) FOOTING — B

SECTION AT NEW DEEPENED SLAB EDGE

NTS | 26

CONSULTANT

Orion Structural

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Thousand Oaks, California 91360 - 7734
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DIVISION OF THE STATE ARCHITECT

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DIVISION OF THE STATE ARCHITECT
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APPL. NO. 03-118379
AC ___ FLS ___ SS 80
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

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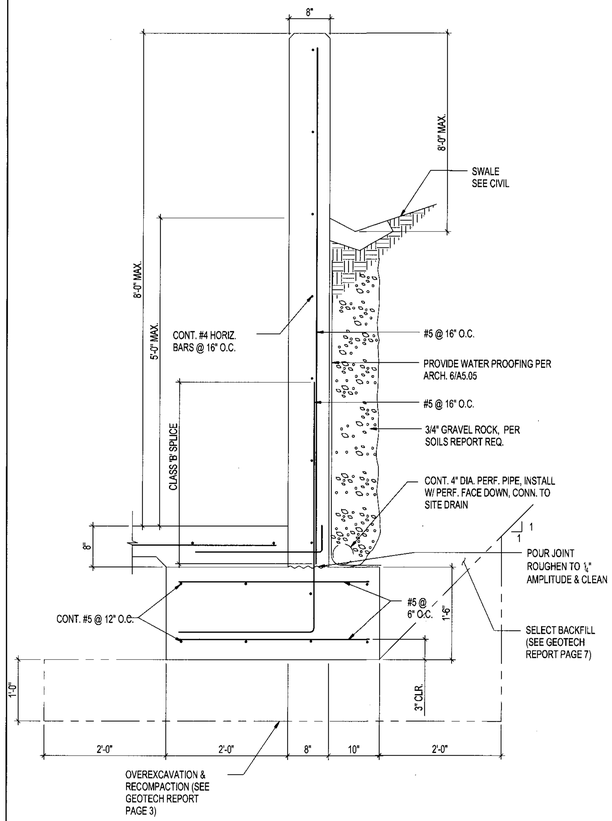
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	CHECK: Checker
	JOB NO: OSG 16349

STRUCTURAL DETAILS

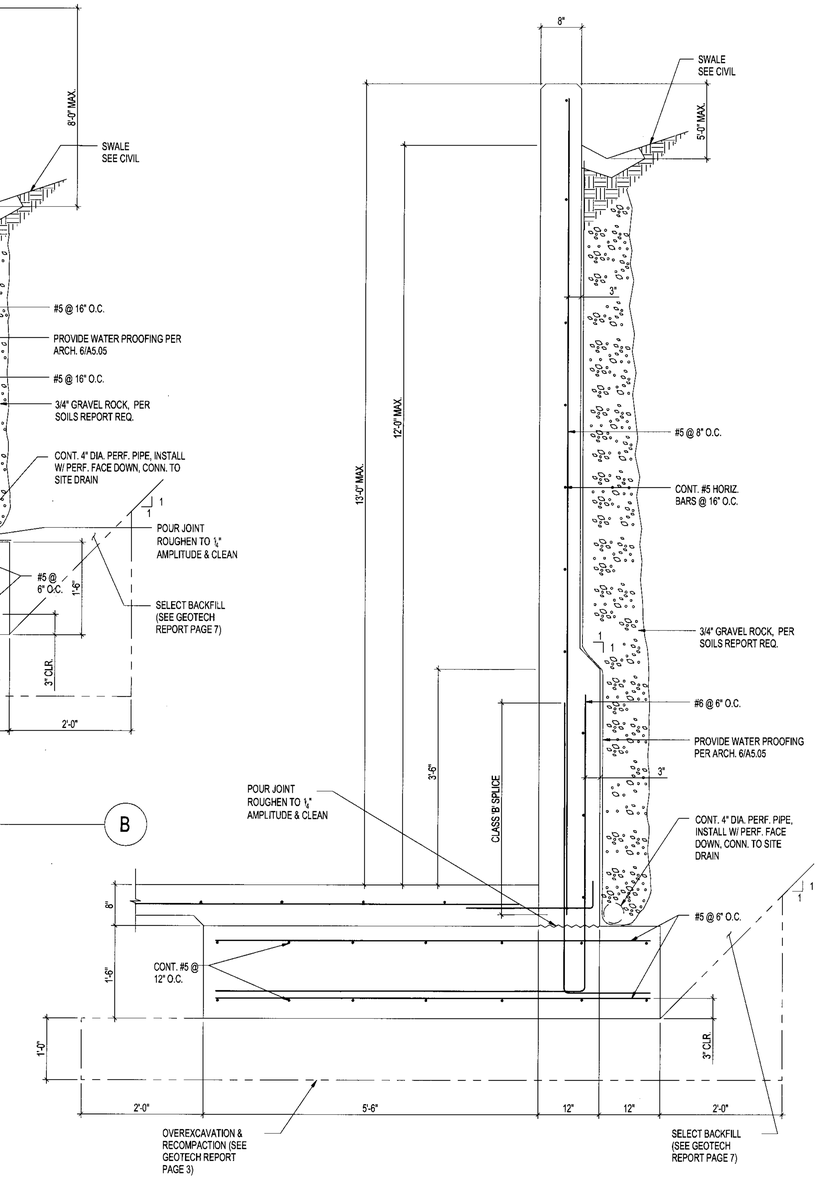
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S2.02

___ OF ___

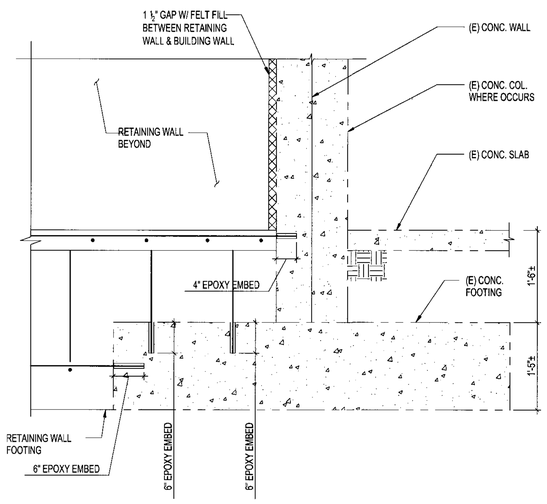


RETAINING WALL (5'-0", MAX. RETAINING) B

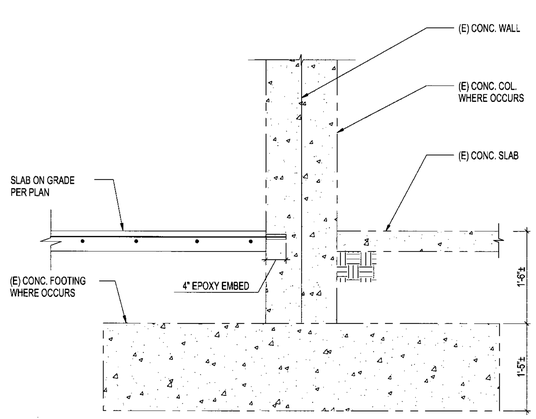


RETAINING WALL (12'-0", MAX. RETAINING) A

RETAINING WALL AT CHILLER ENCLOSURE | SCALE: 1"=1'-0" | 44



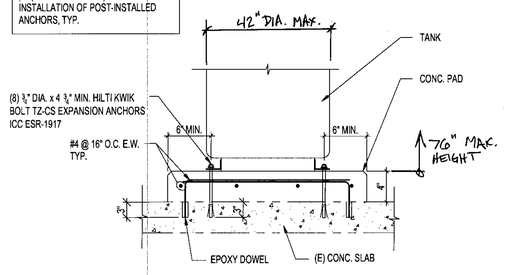
SECTION AT RETAINING WALL FOOTING TO (E) FOOTING B



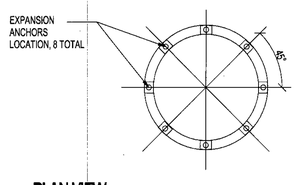
SECTION AT SLAB TO (E) WALL A

CHILLER ENCLOSURE FOOTING TO (E) BUILDING | SCALE: 1"=1'-0" | 45

CONCRETE PADS SHALL REACH 3,000 psi (21 DAYS MINIMUM) BEFORE INSTALLATION OF POST-INSTALLED ANCHORS, TYP.



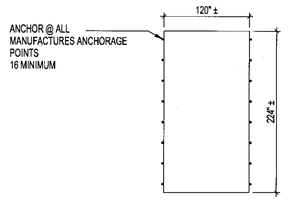
SECTION VIEW A



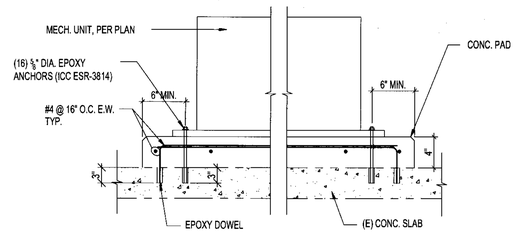
PLAN VIEW B

WATER TANK ANCHOR AT CONC. CURB (4,500 LBS MAX.) | NTS | 40

CONCRETE PADS SHALL REACH 3,000 psi (21 DAYS MINIMUM) BEFORE INSTALLATION OF POST-INSTALLED ANCHORS, TYP.

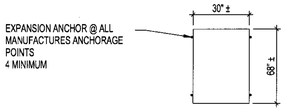


KEY PLAN

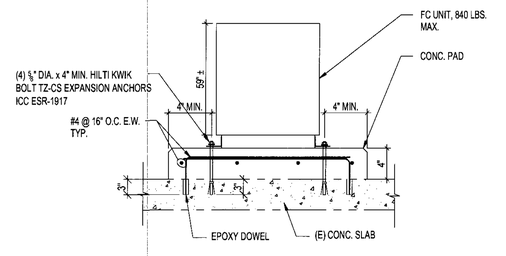


AHU #1 ANCHOR AT CONC. CURB (12,000 LBS MAX.) | NTS | 37

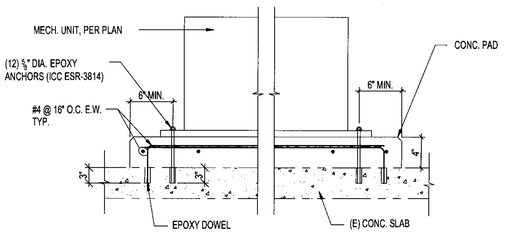
CONCRETE PADS SHALL REACH 3,000 psi (21 DAYS MINIMUM) BEFORE INSTALLATION OF POST-INSTALLED ANCHORS, TYP.



KEY PLAN

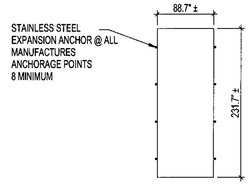


FC # 1,2,3,4,5 ANCHOR AT CONC. CURB (840 LBS MAX.) | SCALE: 1"=1'-0" | 41

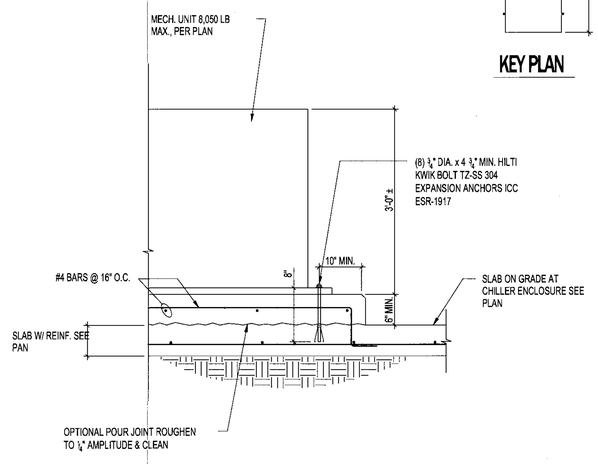


AHU #2,3,4 ANCHOR AT CONC. CURB (6,500 LBS MAX.) | SCALE: 1"=1'-0" | 38

CONCRETE PADS SHALL REACH 3,000 psi (21 DAYS MINIMUM) BEFORE INSTALLATION OF POST-INSTALLED ANCHORS, TYP.



KEY PLAN



CHILLER ANCHORAGE | SCALE: 1"=1'-0" | 30

CONCRETE PADS SHALL REACH 3,000 psi (21 DAYS MINIMUM) BEFORE INSTALLATION OF POST-INSTALLED ANCHORS, TYP.

CONSULTANT

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AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

LICENSED ARCHITECT — WILLIAM AMADOR WHITTLE — LIC. #C-34340 — RENEWAL DATE JANUARY 31, 2019 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — MICHAEL A. MAHONEY — No. S-4530 — Exp. 06/30/2018 — STRUCTURAL — STATE OF CALIFORNIA

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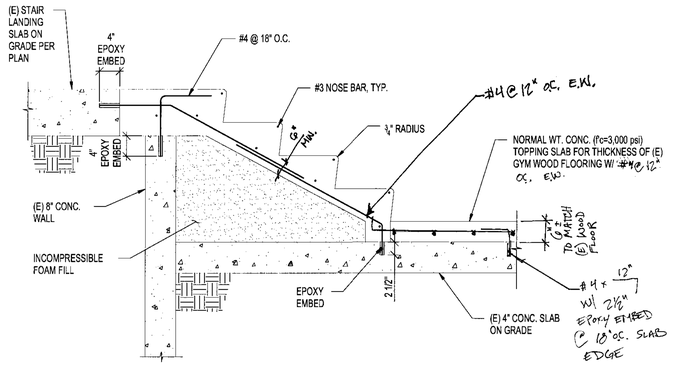
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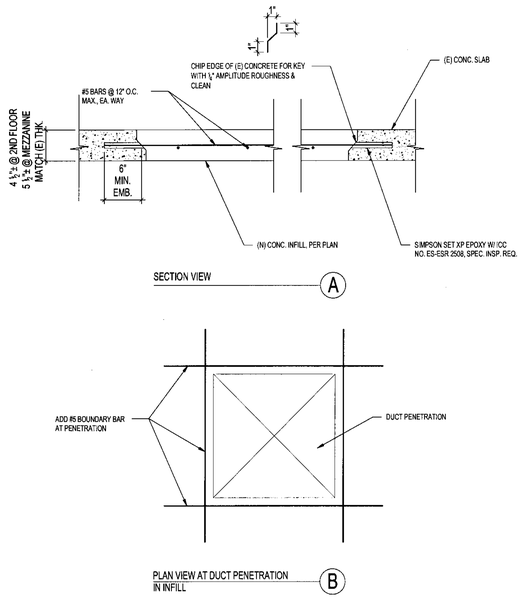
STRUCTURAL DETAILS

S2.03

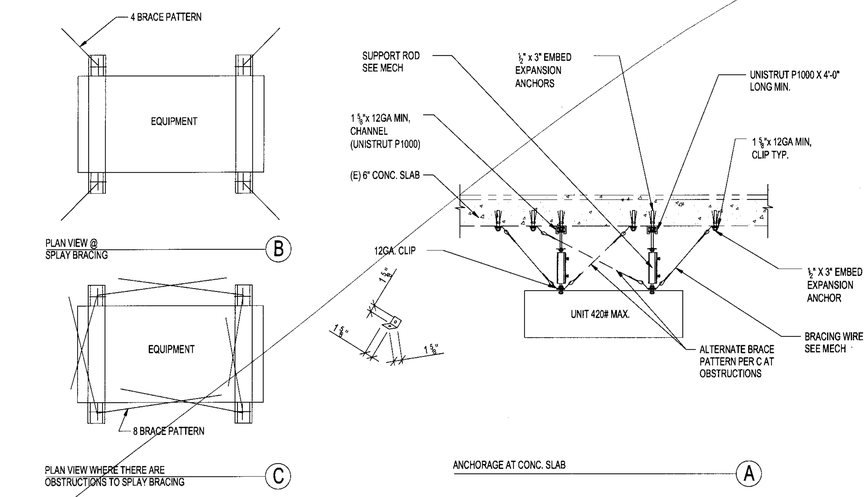
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CONCRETE STEPS AT FIRST LEVEL NTS 58

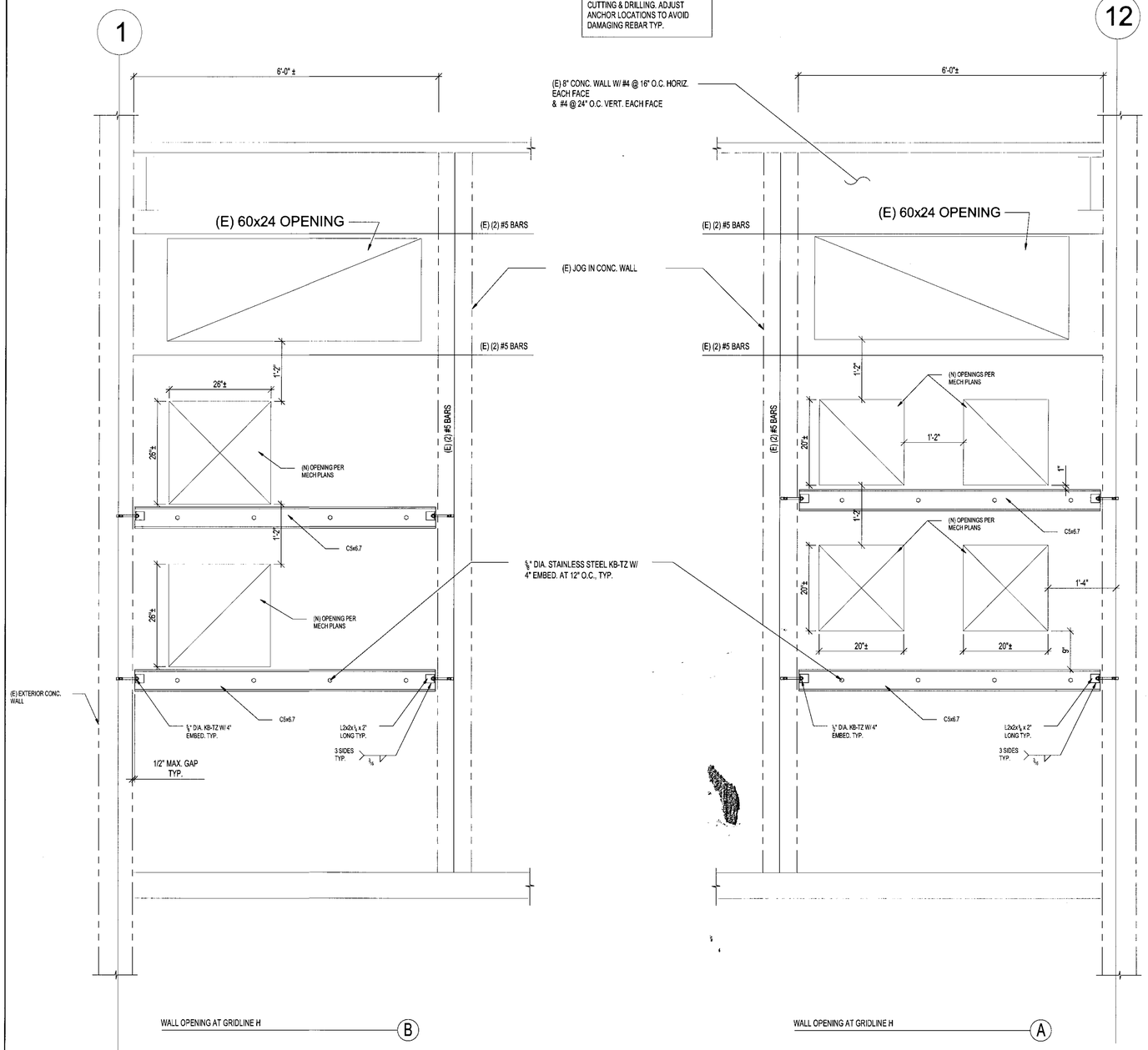


CONCRETE SLAB INFILL SCALE: 1"=1'-0" 55

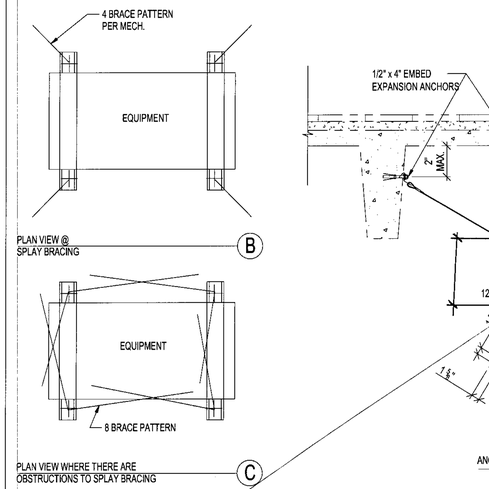


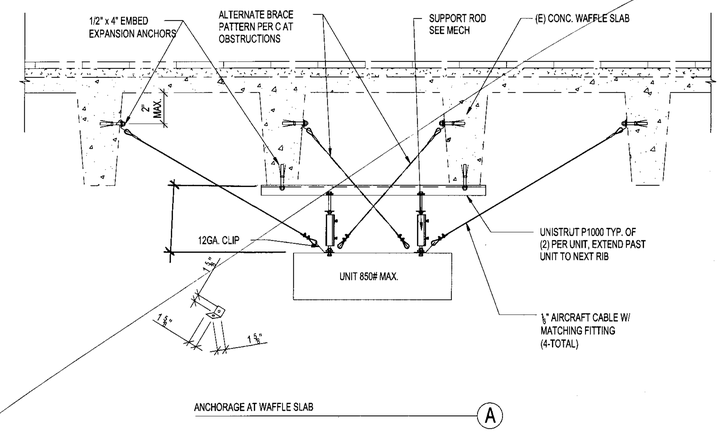
NOT USED

SUSPENDED UNIT TO CONCRETE SLAB NTS 49



MEZZANINE LEVEL WALL OPENINGS SCALE: 1"=1'-0" 57

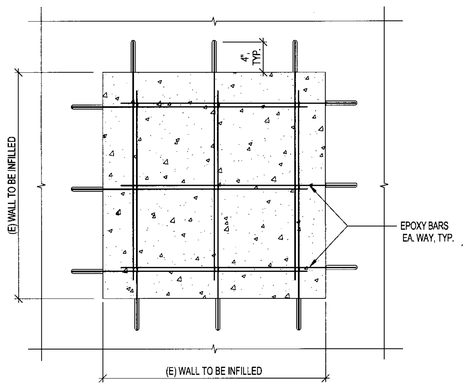




NOT USED

SUSPENDED UNIT TO WAFFLE SLAB SCALE: 1"=1'-0" 50

INFILL REINFORCING:
9" & THINNER WALLS: #4 @ 12" O.C. CENTERED 10" &
THICKER WALLS: #4 @ 12" O.C. EACH FACE W/ 3" CLR.



CONC. WALL INFILL SCALE: 1"=1'-0" 54

CONSULTANT
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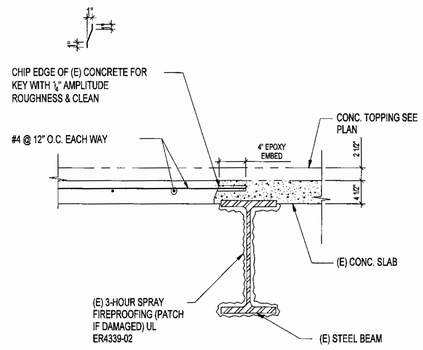
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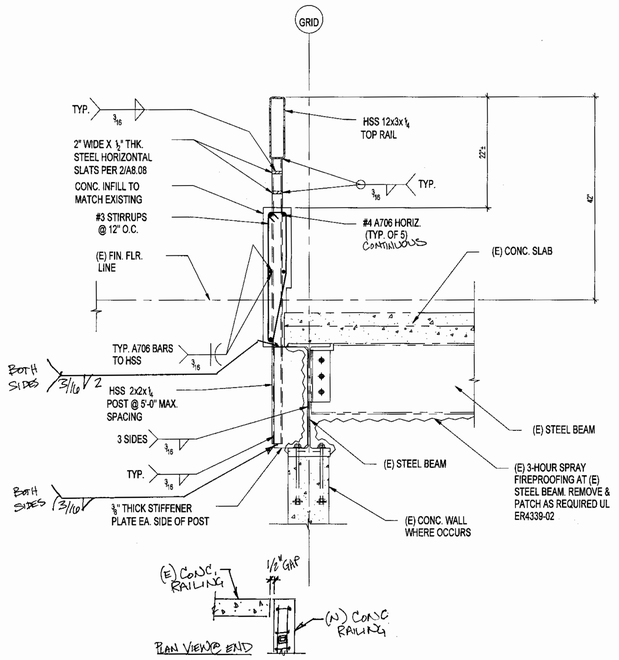
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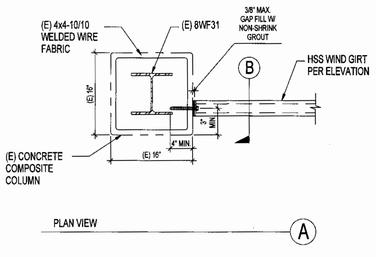
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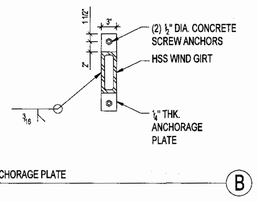


CONC. SLAB INFILL AT 2ND FLOOR — SCALE: 1"=1'-0" — 70

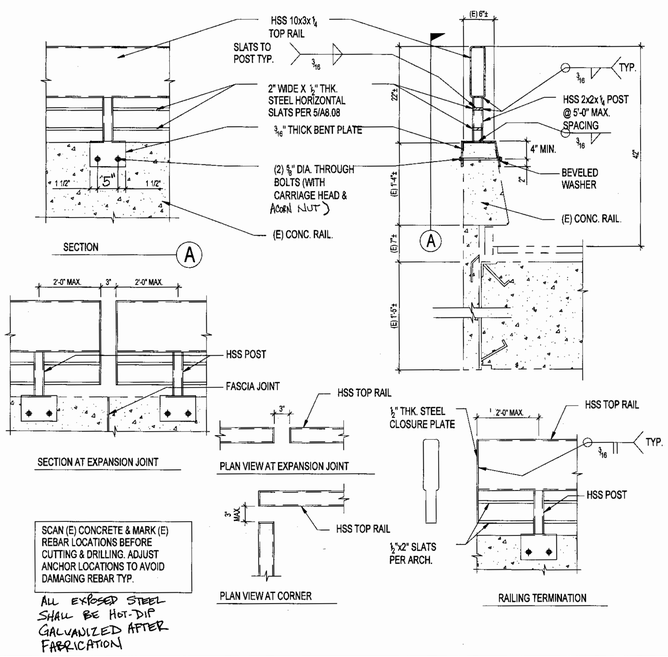


NEW RAILING AT STAIR OPENING — SCALE: 1"=1'-0" — 67

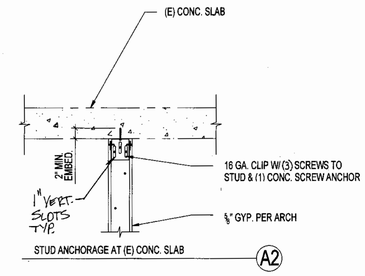


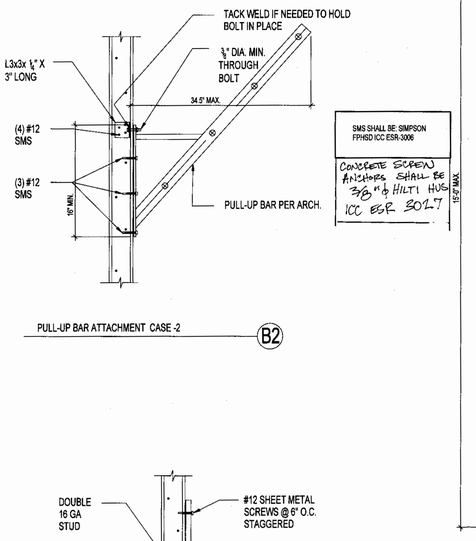


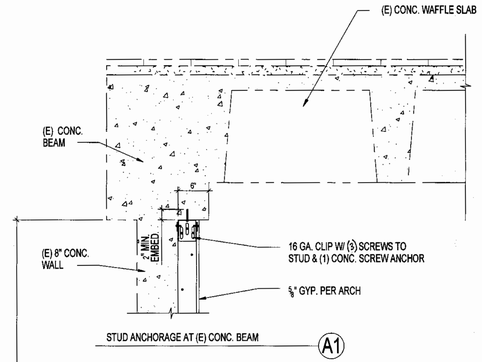
EAST ELEVATION WIND GIRT ATTACHMENT — SCALE: 1"=1'-0" — 71

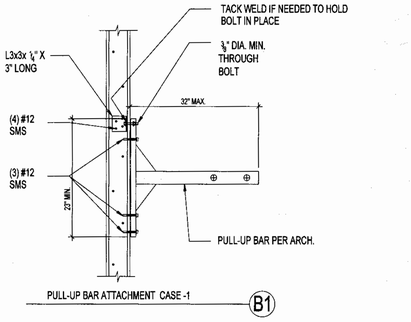


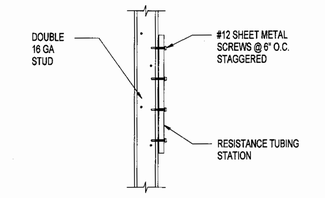
HSS TOP RAIL AT (E) GUARDRAILS ON TERRACE — SCALE: 1"=1'-0" — 68

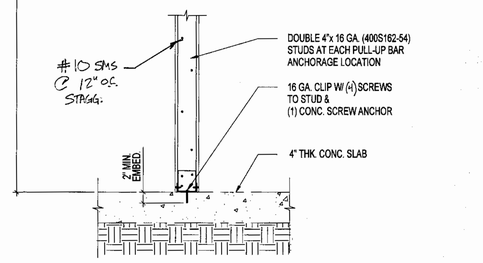




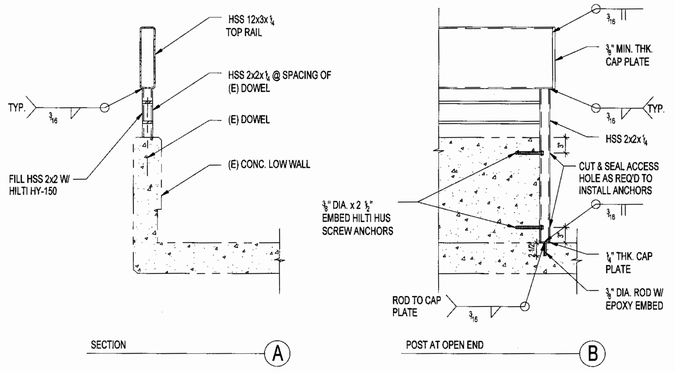




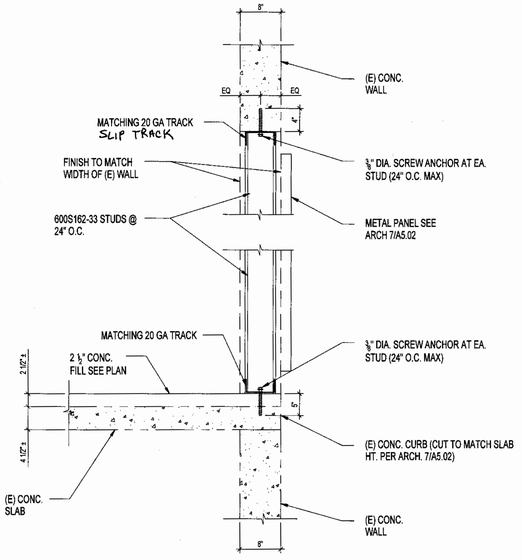




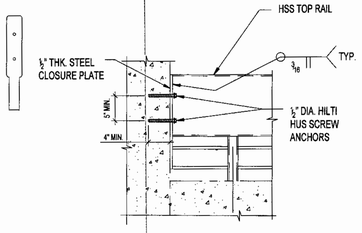
PULL-UP BAR & RESISTANCE TUBING STATION CONNECTION DETAIL — SCALE: 1"=1'-0" — 62



(N) RAILING TO (E) CONC. LOW WALL AT STAIR OPENING — SCALE: 1"=1'-0" — 72



SECTION AT PERFORATED PANEL — SCALE: 1"=1'-0" — 69



NEW RAILING TO (E) WALL AT STAIR OPENING — SCALE: 1"=1'-0" — 63

CONSULTANT

Orion Structural

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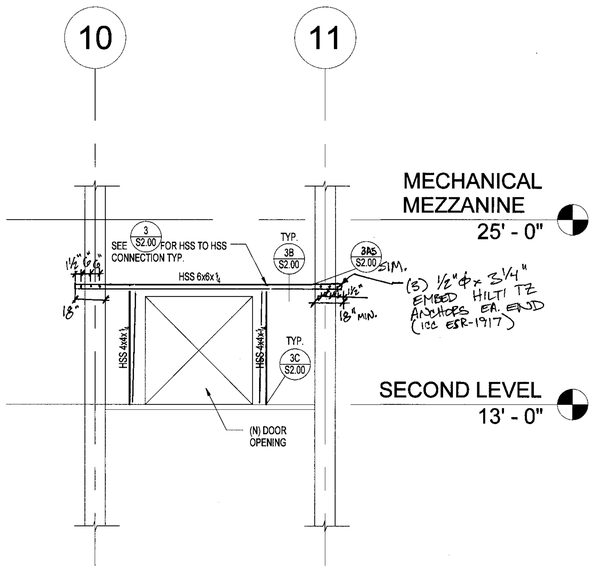
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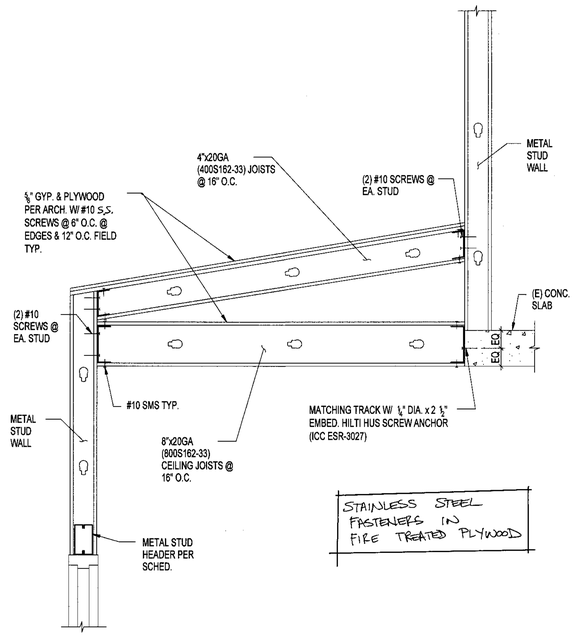
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S2.05

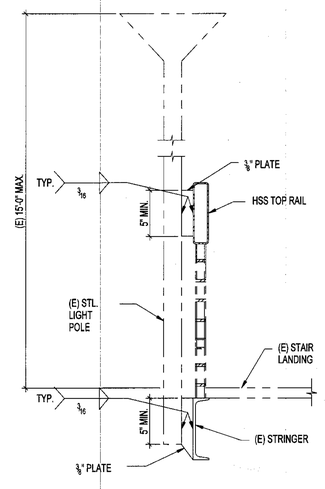
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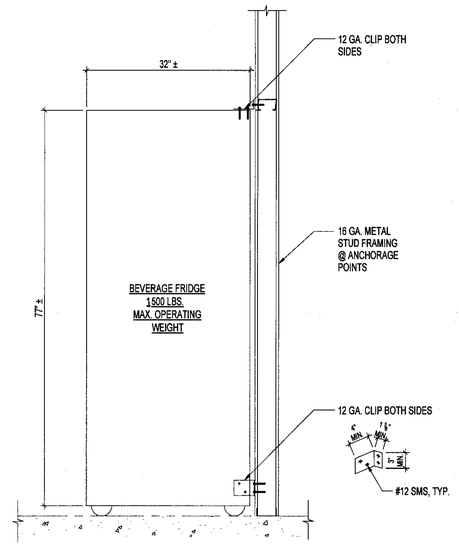
ELEVATION AT (N) DOOR OPENING ON SECOND LEVEL SCALE: 1/4"=1'-0" | 82



SHED ROOF ABOVE STAIR #4 SCALE: 1"=1'-0" | 79

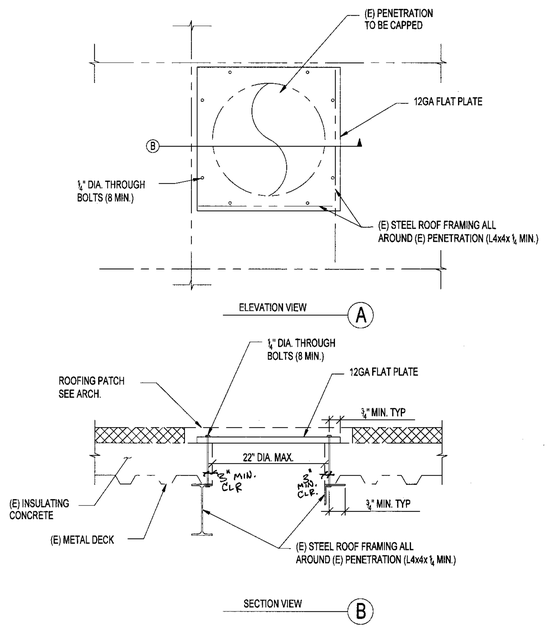


(E) LIGHT POLE TO STAIR ATTACHMENT SCALE: 1"=1'-0" | 76

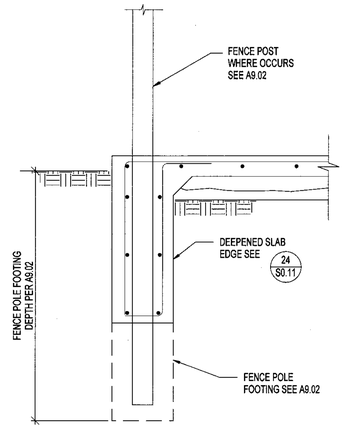


NOTE: VERIFY ATTACHMENT POINTS W/ MANUF.

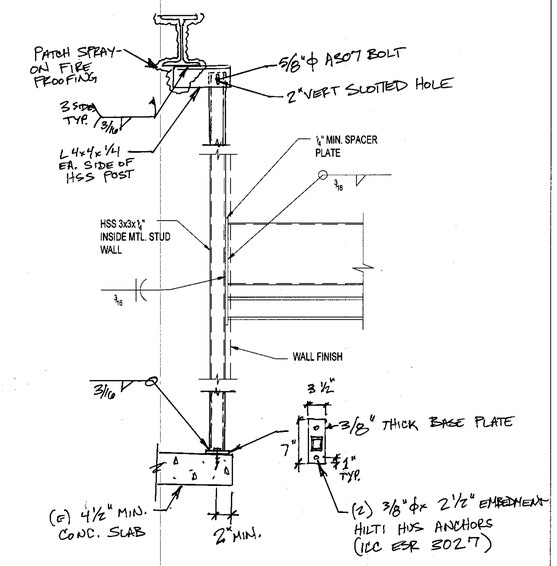
BEVERAGE FRIDGE ANCHORAGE SCALE: 1"=1'-0" | 73



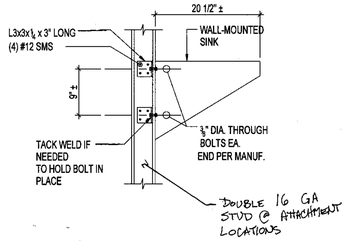
INFILL AT (E) ROOF PENETRATIONS SCALE: 1"=1'-0" | 83



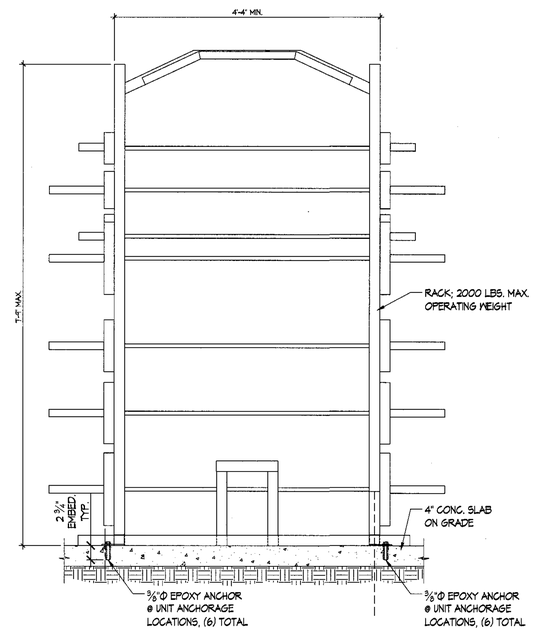
CHILLER ENCLOSURE EDGE SCALE: 1"=1'-0" | 80



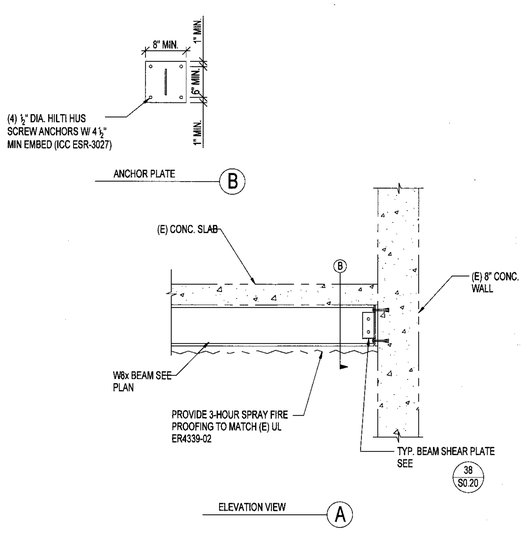
RAILING TO POST IN WALL AT LOBBY STAIR OPENING SCALE: 1"=1'-0" | 77



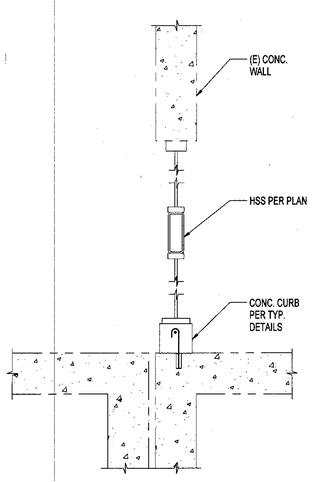
WALL MOUNTED SINK SCALE: 1"=1'-0" | 74



WEIGHT EQUIPMENT ANCHORAGE SCALE: 1"=1'-0" | 84



STEEL BEAM TO CONC. WALL SCALE: 1"=1'-0" | 81



SECTION AT EAST ELEVATION WIND GIRT SCALE: 1"=1'-0" | 75

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BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: Author
	CHECK: Checker
	JOB NO: OSG 16349

STRUCTURAL DETAILS

S2.06

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

MECHANICAL NOTES

1. SCOPE OF WORK: WORK INCLUDES THE FOLLOWING: FURNISH AND INSTALL ALL EQUIPMENT AND CONTROLS SHOWN ON THE ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS AND DESCRIBED IN THESE NOTES, THE BOOK SPECIFICATIONS AND THE CONTRACT DOCUMENTS. WORK INCLUDES BUT IS NOT LIMITED TO: DEMOLITION OF MULTIPLE AIR HANDLERS, BOILERS, AND ONE CONDENSING UNIT, DUCTING, PIPING, AND CONTROLS. INSTALLATION OF FOUR NEW AIR HANDLERS, ONE CHILLER, MULTIPLE FAN COILS AND CEILING CASSETTE UNITS, PUMPS, TANK, DUCTING, PIPING, BOILERS, AND CONTROLS, AND STARTUP AND COMMISSIONING OF REPLACED MECHANICAL AND CONTROL SYSTEMS AS DESCRIBED IN THE CONTRACT DOCUMENTS. INCLUDED ARE ALL DEVICES NEEDED TO MAKE COMPLETE AND FUNCTIONAL SPACE CONDITIONING SYSTEMS AND CONTROLS. CONTRACTOR SHALL FURNISH AND INSTALL, MAKE OPERABLE, AND TEST ALL SYSTEMS AND MECHANICAL EQUIPMENT SHOWN ON THE PLANS AND DESCRIBED IN THE SPECIFICATIONS AND CONTRACT DOCUMENTS. IN CONNECTION THEREWITH, CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL NECESSARY DEVICES, HARDWARE, AND SYSTEMS REQUIRED TO MAKE SAID EQUIPMENT PROPERLY AND SAFELY OPERABLE, INCLUDING BUT NOT LIMITED TO, MOUNTING HARDWARE, INSULATION, FILTERS, VIBRATION CONTROL DEVICES, DUCT SYSTEMS, CONTROL SYSTEMS, AND PATCHING AND PAINTING.

2. INTERPRETATION OF DRAWINGS, SPECIFICATIONS OR CONTRACT DOCUMENTS. IF ANY BIDDER IS IN DOUBT AS TO THE TRUE MEANING OF ANY PART OF THE DRAWINGS, THE SPECIFICATIONS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS; FINDS DISCREPANCIES, ERRORS OR OMISSIONS THEREIN; OR FINDS VARIANCES IN ANY OF THE CONTRACT DOCUMENTS WITH APPLICABLE RULES, REGULATIONS, ORDINANCES AND/OR LAWS, A WRITTEN REQUEST FOR AN INTERPRETATION OR CORRECTION THEREOF MAY BE SUBMITTED TO THE ENGINEER. IT IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE BIDDER TO SUBMIT SUCH REQUEST IN SUFFICIENT TIME FOR THE PREPARATION OF A RESPONSE THERETO AND DELIVERY OF SUCH RESPONSE TO ALL BIDDERS PRIOR TO THE SCHEDULED CLOSING FOR RECEIPT OF BID PROPOSALS. ANY REQUEST OF ANY BIDDER, PURSUANT TO THE FOREGOING SENTENCE THAT IS MADE LESS THAN SEVEN DAYS PRIOR TO THE SCHEDULED CLOSING DATE FOR THE RECEIPT OF BID PROPOSALS SHALL BE DEEMED UNTIMELY. ANY INTERPRETATION OR CORRECTION OF THE CONTRACT DOCUMENTS WILL BE MADE ONLY BY WRITTEN ADDENDUM DULY ISSUED BY THE OWNER OR THE ENGINEER, A COPY OF ANY SUCH ADDENDUM WILL BE MAILED OR OTHERWISE DELIVERED TO EACH BIDDER RECEIVING A SET OF THE CONTRACT DOCUMENTS. NO PERSON IS AUTHORIZED TO RENDER AN ORAL INTERPRETATION OR CORRECTION OF ANY PORTION OF THE CONTRACT DOCUMENTS TO ANY BIDDER, AND NO BIDDER IS AUTHORIZED TO RELY ON ANY SUCH ORAL INTERPRETATION OR CORRECTION. FAILURE TO REQUEST INTERPRETATION OR CLARIFICATION OF THE DRAWINGS, THE SPECIFICATIONS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS PURSUANT TO THE FOREGOING SHALL BE DEEMED TO BE A WAIVER OF ANY DISCREPANCY, DEFECT, OR CONFLICT THEREIN.

3. DIMENSIONS. ALL DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS BEFORE PROCEEDING WITH WORK. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON WORKING DRAWINGS. ALL SIZES OF EQUIPMENT AND MATERIALS SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER.

4. CODES AND STANDARDS: ALL WORK SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), 2016 CALIFORNIA BUILDING CODE, THE 2016 CALIFORNIA MECHANICAL CODE, THE 2016 CALIFORNIA PLUMBING CODE, THE NATIONAL ELECTRIC CODE, THE STATE OF CALIFORNIA, EQUIPMENT MANUFACTURER'S RECOMMENDED PROCEDURES, AND STANDARD CONSTRUCTION PRACTICES. NOTE: WHERE TWO OR MORE CODES CONFLICT, THE MOST RESTRICTIVE SHALL APPLY. NOTHING IN THESE PLANS AND SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO APPLICABLE CODES.

5. SUBMITTALS REQUIRED: PRIOR TO ORDERING EQUIPMENT AND MATERIALS, CONTRACTOR SHALL FURNISH TO ENGINEER / OWNER SUBMITTALS AND SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIALS PROPOSED FOR USE IN THIS PROJECT. ORDERING OF EQUIPMENT AND MATERIALS SHALL ONLY PROCEED AFTER SATISFACTORY REVIEW OF ALL SUBMITTALS BY CONTRACTOR / ENGINEER / OWNER. COPIES OF ALL OWNER'S MANUALS, WARRANTIES AND OTHER WRITTEN INFORMATION REGARDING SYSTEMS SHALL BE PRESENTED TO OWNER PRIOR TO THE COMPLETION OF THE PROJECT.

6. CONSTRUCTION OBSERVATION: IN ADDITION TO THE REQUIREMENT FOR OBTAINING INSPECTIONS BY THE LOCAL JURISDICTION, CONTRACTOR SHALL NOTIFY ENGINEER AT APPROPRIATE TIMES DURING THE CONSTRUCTION PROCESS SO THAT ENGINEER CAN VISIT SITE TO BECOME GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF CONTRACTOR'S WORK AND TO DETERMINE IF THE WORK IS PROCEEDING IN GENERAL ACCORDANCE WITH THE CONTRACT DOCUMENTS.

7. UNIT LOCATIONS: EQUIPMENT AND SYSTEM LOCATIONS SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL STRUCTURAL MEMBERS AND EXISTING CONDITIONS IN THE FIELD, AND LOCATE UNITS AND DUCTWORK TO AVOID INTERFERENCE. ANY SIGNIFICANT DEVIATIONS FROM THE PLANS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER. ALLOW CLEARANCE FOR DUCTWORK AND PIPING. ALL CLEARANCES REQUIRED BY UNIT MANUFACTURER SHALL BE MAINTAINED. ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH CODES AND THE RECOMMENDED INSTALLATION PROCEDURES PUBLISHED BY THE MANUFACTURER.

8. DUCTWORK & PIPING: CONTRACTOR SHALL INSTALL NEW DUCTWORK AND PIPING IN THE APPROXIMATE LOCATIONS SHOWN ON THE DRAWINGS. ALL DUCTWORK & PIPING SHALL BE SECURELY ANCHORED TO THE BUILDING IN AN APPROVED MANNER THAT WILL RENDER IT FREE FROM VIBRATION AND LATERAL MOVEMENT. CONTRACTOR SHALL PROVIDE WITHOUT COST TO THE OWNER ALL REQUIRED TRANSITIONS AND OFFSETS TO AVOID CONFLICTS WITH STRUCTURE AND OTHER TRADES.

9. MATERIALS - DUCTWORK: ALL NEW DUCTWORK FOR HVAC SYSTEMS SHALL BE GALVANIZED STEEL CONFORMING TO ASTM SPEC A525.

RECTANGULAR DUCTWORK SHALL BE MADE FROM GALVANIZED STEEL SHEETS. DUCT CONSTRUCTION, AND REINFORCING SHALL BE PER TABLES 6-1, 6-2, AND 6-3 OF THE CALIFORNIA MECHANICAL CODE. DUCTWORK SHALL BE OF THE FOLLOWING GAUGES: UP TO 12" - 26 GAUGE. 13"-30" - 24 GAUGE. CURVED ELBOWS SHALL HAVE CENTRALIZE RADIUS NOT LESS THAN THE WIDTH OF THE DUCT. WHERE ABRUPT TURNS AND ELBOWS ARE USED, TURNING VANES SHALL BE PROVIDED. TAKE-OFFS FROM MAIN DUCTS SHALL BE MADE WITH 45 DEGREE ANGLES WITH VOLUME DAMPERS WHERE SHOWN. ALL PANELS SHALL BE CROSS BROKEN TO ENSURE RIGIDITY.

ALL EXPOSED DUCTING (OTHER THAN THE MECHANICAL MEZZANINE) SHALL BE 22 GA. SPIRAL TYPE WITH 1" DUCT LINER. CONNECTIONS SHALL BE MADE WITH DUCTMATE IND. SPIRALMATE OR OVALMATE CONNECTORS.

ALL BRANCH SUPPLY AND RETURNS SHALL HAVE VOLUME DAMPERS REGARDLESS IF SHOWN OR NOT. INSTALL POTTORFF REMOTE DAMPER OPERATORS AT INACCESSABLE LOCATIONS.

10. DUCT INSULATION: INSULATE ALL DUCTING WITH 2" OF GLASS FIBER INSULATION WITH VAPOR BARRIER. MIN R-VALUE 4.2. DUCTS MAY BE INSULATED IN GROUPS AT ZONE HEAD.

11. BALANCING: FOLLOWING INSTALLATION, CONTRACTOR SHALL START UP AND BALANCE ALL HVAC SYSTEMS TO CONFORM TO AIR VOLUMES INDICATED ON PLANS. COPIES OF BALANCING RECORDS SHALL BE FURNISHED TO BUILDING OWNER AND PROJECT ARCHITECT. SEE BOOK SPECIFICATIONS FOR FURTHER REQTS.

12. VIBRATION ISOLATION: INSTALL FLEXIBLE CONNECTIONS BETWEEN MECHANICAL EQUIPMENT AND DUCTWORK. INSTALL NEW VIBRATION ISOLATION AT CHILLER. SEE MECHANICAL DETAILS & SPECIFICATIONS FOR SPECIFIC TYPE.

13. DUCT SUPPORTS AND HANGERS: DUCT SUPPORTS SHALL BE PER THE 2016 CALIFORNIA MECHANICAL CODE. RECTANGULAR DUCTS WITH A MAXIMUM SIZE NOT EXCEEDING 30" AND ALL ROUND DUCTS SHALL BE SUPPORTED WITH ONE INCH WIDE 18 GAUGE HANGER STRAPS. SUPPORTS SHALL BE LOCATED ON TWO OPPOSITE SIDES OF THE DUCT, SHALL BE METAL SCREWED TO THE SIDES AND BOTTOM OF THE DUCT, SHALL BE SPACED AT NOT MORE THAN 7'-8" ON CENTERS AND SHALL BE LATERALLY BRACED. SECURE STRAPS TO STRUCTURAL FRAMING PER SMACNA STDS. FOR SEISMIC LEVEL "A".

14. CLEANUP: EVERY DAY, AND AFTER ALL WORK HAS BEEN COMPLETED, CONTRACTOR SHALL CLEAN ENTIRE JOB-SITE OF ALL DEBRIS ASSOCIATED WITH MECHANICAL SYSTEMS. EXPOSED PARTS WHICH ARE TO BE PAINTED SHALL BE THOROUGHLY CLEANED READY FOR PAINTING.

15. WIRING: ALL WIRING SHALL BE PERFORMED IN ACCORDANCE WITH NEC REQTS. ALL WIRING SHALL BE IN CONDUIT. ALL INTERIOR LOW VOLTAGE AND CONTROL WIRING SHALL BE IN WIREMOLD AND IN FAN ROOMS SHALL BE IN CONDUIT. EXPOSED CONDUIT SHALL BE INSTALLED IN A SQUARE, PLUMB, AND LEVEL MANNER WITH THOUGHT GIVEN TO THE FINAL APPEARANCES. PROVIDE TO ENGINEER SHOP DRAWING FOR CONTROL TRANSFORMER CONFIGURATIONS DETAILING CIRCUITS TO BE USED, LOAD CALCULATIONS, WIRE SIZES, AND LOCATIONS. WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT NATIONAL ELECTRICAL CODE AND ELECTRICAL SPECIFICATIONS. ALL TRANSFORMERS SHALL BE PROTECTED BY PROPERLY SIZED CIRCUIT BREAKER OR FUSE(S). ALL TRANSFORMERS SHALL HAVE RESETABLE BREAKER ON THE LOAD SIDE. ALL LOW VOLTAGE CONTROL & COMMUNICATIONS WIRING SHALL BE DONE ACCORDING TO MANUFACTURERS INSTALLATION MANUAL. PROVIDE SUBMITTALS ON WIRE AND ENCLOSURES.

16. COORDINATION DURING CONSTRUCTION: THE CONTRACTOR SHALL COORDINATE ANY NECESSARY CHANGES IN WORK SCHEDULING WITH THE COLLEGE TO MINIMIZE THE DISRUPTION. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY HIS WORK TO BUILDING(S) AND EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.

17. CORRECTION OF WORK: THE CONTRACTOR SHALL PROMPTLY CORRECT ALL WORK THE OWNER FINDS DEFECTIVE OR FAILING TO CONFORM TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BEAR ALL COSTS REQUIRED BY THE CONTRACT DOCUMENTS, IF ANY OF THE WORK IS FOUND TO BE DEFECTIVE OR NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL CORRECT IT PROMPTLY AFTER RECEIPT OF A WRITTEN NOTICE FROM THE OWNER TO DO SO.

18. AS-BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER PRIOR TO ACCEPTANCE OF THE PROJECT. AS-BUILTS SHALL BE ON PRINTED SHEETS AND ON MAGNETIC MEDIA.

19. CLEAN ALL EXISTING SUPPLY AND RETURN DUCTWORK PER THE SPECIFICATIONS. INSTALL ACCESS DOORS AS NEED.

20. REBALANCE FIRST AND SECOND FLOOR SUPPLY AND RETURN DUCTING TO THE QUANTITIES SHOWN ON THE PLANS. PRIOR TO BALANCING REVIEW SITE CONDITIONS AND THEN SCHEDULE A MEETING WITH THE ENGINEER TO DISCUSS SCHEDULE AND SITE ISSUES.

21. CHILLED & HYDRONIC WATER PIPING SHALL BE U.S. MANUFACTURED SCHEDULE 40 STEEL PIPE WITH WELDED OR U.S. MANUFACTURED TYPE 'L' COPPER WITH WROT SOLDER TYPE FITTINGS. ALL PIPE SHALL BE COVERED WITH INSULATION. ALL EXTERIOR PIPING SHALL HAVE ALUMINUM JACKET WITH FORMED ALUMINUM ELBOWS.

22. EQUIPMENT AND CONDENSATE DRAINS SHALL TERMINATE AT FLOOR SINK. DRAINS SHALL BE U.S. MANUFACTURED TYPE 'L' COPPER WITH WROT COPPER FITTINGS AND SOLDERED JOINTS. VALVES SHALL BE NIBCO S-585 FULL PORT BALL VALVES. CONDENSATE DRAINS SHALL HAVE CLEAN-OUTS AT CHANGE OF DIRECTION AND SLOPE TO DRAIN.

23. AUTOMATED LOGIC CONTROLS ARE THE DISTRICT STANDARD. INTEGRATE NEW CONTROLS WITH EXISTING PROGRAMMING INCLUDING UPDATED GRAPHICS. PROVIDE NEW CONTROLLERS, ROUTER, SENSORS, WIRING, CONDUIT, PROGRAMMING FOR A COMPLETE INTEGRATED CONTROL SYSTEM.

24. CEILING SPACE IS VERY LIMITED AND PROACTIVE COORDINATION IS REQUIRED TO ALLOW FOR PROPER AND COMPLETE INSTALLATION OF ALL MECHANICAL, PLUMBING, FIRE SPRINKLER SYSTEMS, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL SYSTEMS AND EQUIPMENT. PROVIDE ALL OFFSETS AND TRANSITIONS REQUIRED. REVIEW OTHER DISCIPLINES PLANS TO AID IN THIS COORDINATION EFFORT.

GENERAL NOTES

1. CUTTING, BORING SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED ON THE DRAWINGS OR ACCEPTED BY THE MECHANICAL AND STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.

2. ALL WELDING SHALL BE SPECIALLY INSPECTED BY AN AWS-CWI QUALIFIED INSPECTOR APPROVED BY DSA/OS.

3. THE PROVISIONS OF CFC & CBC 33 SHALL BE ENFORCED ON THIS PROJECT.

4. RENEW ANY EXISTING STEEL FIREPROOFING AFFECT BY THIS CONSTRUCTION.

5. FIRE CAULK RATED ALL PENETRATIONS OF RATED ELEMENTS (EXCEPT AT FIRE SMOKE DAMPERS)

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTION 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 29, AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVEABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED(E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THESE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6, AND 2016 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25. AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (e.g. SMACNA OR OSPHD OPM) COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E0

MP ■ MD ■ PP ■ OPTION 1 DETAILED ON APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MP MD PP OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSPHD PRE-APPROVAL (OPM#)

MP MD PP OPTION 3: SHALL COMPLY WITH SMACNA SEISMIC RESTRAINT MANUAL (SRM), OSPHD EDITION (2009) INCLUDING ANY ADDENDA. FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SRM OSHPD EDITION , ARE DETAILED ON THE APPROVED DRAWINGS WITH THE PROJECT SPECIFIC NOTES AND DETAILS . THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL (AA) AND CONNECTION LEVEL (AA) FOR THE PROJECT AND CONDITIONS.

LIST OF DRAWINGS

M1.00	MECHANICAL NOTES
M1.01	MECHANICAL SCHEDULES
M2.00	FIRST FLOOR DEMOLITION PLAN
M2.01	SECOND FLOOR DEMOLITION PLAN
M2.02	MEZZANINE DEMOLITION PLAN
M2.03	ROOF DEMOLITION PLAN
M3.00	FIRST FLOOR MECHANICAL PLAN
M3.01	SECOND FLOOR MECHANICAL PLAN
M3.02	MEZZANINE MECHANICAL PLAN
M4.00	MECHANICAL ROOF PLAN
M5.00	MECHANICAL DETAILS
M5.01	MECHANICAL DETAILS
M5.02	MECHANICAL DETAILS
M6.01	MEZZANINE MECHANICAL PLAN - NORTH AREA
M6.02	MEZZANINE MECHANICAL PLAN - MIDDLE AREA
M6.03	MEZZANINE MECHANICAL PLAN - SOUTH AREA
M6.04	MECHANICAL FAN COIL DETAILS
M6.05	AIR HANDLER DETAILS
M7.00	MECHANICAL CONTROLS
EN1.00	ENERGY CALCULATIONS
EN1.01	ENERGY CALCULATIONS
EN1.02	ENERGY CALCULATIONS
EN1.03	ENERGY CALCULATIONS

ABBREVIATIONS

ABBRV	ABBREVIATIONS	DOA	DEDICATED OUTSIDE AIR		
ABV	ABOVE	DWN	DOWN	MIN	MINIMUM
AFF	ABOVE FINISHED FLOOR	(E)	EXISTING	(N)	NEW
APPROX	APPROXIMATELY	EA	EACH	OC	ON CENTER
BLDG	BUILDING	EL	ELEVATION	POC	POINT OF CONNECTION
BLW	BELOW	ELEC	ELECTRIC	PSI	POUNDS PER SQUARE INCH
BOT	BOTTOM	ELEV	ELEVATION	RAG	RETURN AIR GRILLE
CD	CEILING DIFFUSER	EQ	EQUIPMENT	RAR	RETURN AIR REGISTER
CFM	CUBIC FEET PER MINUTE	EQUIP	EQUIPMENT	SD	SMOKE DETECTOR
CHS	CHILLED WATER SUPPLY	EXH	EXHAUST	SHT	SHEET
CHR	CHILLED WATER RETURN	FIN	FINISHED	SOV	SHUT-OFF VALVE
CL	CENTERLINE	FRM	FROM	SPEC	SPECIFICATIONS
CLG	CEILING	FLR	FLOOR	SR	SIDEWALL REGISTER
COND	CONDENSATE	G	GAS	(TYP)	TYPICAL
CONT	CONTINUED	GPM	GALLONS PER MINUTE	UGND	UNDERGROUND
DIA	DIAMETER	HWS	HOT WATER SUPPLY	VTR	VENT TO ROOF
DOA	DEDICATED OUTSIDE AIR	HWR	HOT WATER RETURN		
DWG	DRAWING	MAX	MAXIMUM		

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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC ___ FLS ___ SS ___
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM KRIKE AMADOR C-26348 JANUARY 31, 2019 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. McTERNAN M030626 Exp. 6/30/18 MECHANICAL STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: HM/JS
	CHECK: HM/PW
	JOB NO:

MECHANICAL NOTES

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

M1.00
___ OF ___

CHILLER SCHEDULE

TAG	MANF. & MODEL	EER @102 F	IPLV @102F	CAPACITY @ 102° F	ENT. WATER	LVG WATER	ELECTRICAL DATA				FLOWRATE	PD	UNIT OPER.	OPTIONS	ANCHORAGE DETAIL
							VOLTAGE	PHASE	MCA	MOCP					
CH-1	QUANTECH	8.73	16.0	167 TONS	57 F	44 F	480	3	372	400	396	9 FT	WEIGHT 8001 LBS	FACTORY START AND TUNE, R-410A, AIR-COOLED SCROLL COMPRESSORS, LOW SOUND FAN SYSTEM WITH VFD'S, SERVICE ISO VALVES, ELECTRONIC THERMAL-DISPERSION FLOW SWITCH. PREMIUM COIL COATING, CONTROL TRANSFORMER. FIVE YEAR COIL FACTORY WARRANTY	1/M5.00
	QTC3170THE46XFBSDXX													COMPRESSOR BLANKETS, SINGLE POINT POWER SUPPLY CONTROL TRANSFORMER, BACNET BUILDING AUTOMATION INTERFACE	

BOILER SCHEDULE

TAG	MANF. & MODEL	OPERATING WEIGHT	INPUT BTUH	OUTPUT BTUH	TURNDOWN RATIO	EFF%	FLUE Ø	FLUE	FLOWRATE	H20 CONNECTION	GAS PRESURE	GAS CONNECTION	ELECTRICAL	FLA	NOTES	ANCHORAGE DETAIL
BH 1A	RAYPAK XFYRE MODEL 850H	555 LBS	850,000	799,000	15/1	94.5%	6" Ø	STAINLESS CAT IV	53 GPM	2"	6-12" WC	1-1/4"	110/1/60	5 AMPS	CONDENSATE NEUTRALIZATION KIT, TEMP TRAKER + HYBRID, B-62 BACNET CONNECTION	2/M5.00
BH 1B	RAYPAK XFYRE MODEL 850H	555 LBS	850,000	799,000	15/1	94.5%	6" Ø	STAINLESS CAT IV	53 GPM	2"	6-12" WC	1-1/4"	110/1/60	5 AMPS	CONDENSATE NEUTRALIZATION KIT	2/M5.00
BH 1C	RAYPAK XFYRE MODEL 850H	555 LBS	850,000	799,000	15/1	94.5%	6" Ø	STAINLESS CAT IV	53 GPM	2"	6-12" WC	1-1/4"	110/1/60	5 AMPS	CONDENSATE NEUTRALIZATION KIT	2/M5.00

BOILER PUMP SCHEDULE

TAG		GPM @ HEAD	ELEC	AMPS	WEIGHT
BP-1	B&G MODEL PD-38	53 GPM @ 25'	110/1/60	10	INC W/ BOILER
BP-2	B&G MODEL PD-38	53 GPM @ 25'	110/1/60	10	INC W/ BOILER
BP-3	B&G MODEL PD-38	53 GPM @ 25'	110/1/60	10	INC W/ BOILER

AIR HANDLING UNIT SCHEDULE

AIR FLOW MONITORING STATIONS AT OUTSIDE AIR INLET AND AT EXHAUST OUTLET AT AH-1. EBTRON OR EQUAL

TAG	MANF.	AREA SERVED	WEIGHT LBS	ANCHOR. DETAIL	CFM	FIRE ALARM SHUTDOWN	E.S.P.	VOLT	PHASE	HP	MCA	NOTES	MIN. OUTSIDE AIR CFM	FILTER	COOLING COIL	COOLING CAPACITY TOTAL/SENSIBLE MBTUH	FLOW RATE (GPM)	CONDITIONS ENTERING DB/WB SUMMER PERFORMANCE	LEAVING DB/WB	WATER TEMP IN/OUT	BELIMO VALVE MODEL CONNECTION CV	ELECTRICAL NOTES	OUTSIDE/RETURN AIR CONTROL
AHU-1	DYNAMIC AIR	OUTSIDE AIR	12,000	4/M6.05	31,000	Y	3.11	460	3	6@5 HP (30 HP TOTAL)	47	ABB VFD	12,820	FILTER	EPOXY COATED	502,840	N/A	EXHAUST 75/65	90/69		N/A	110 V 20 AMP FOR CONTROLS 110 V 20 AMP FOR LIGHTS	N/A
	HEAT EXCHANGER	EXHAUST			31,000		2.90			6@5 HP (30 HP TOTAL)	47	ABB VFD			PLATE HX			SUPPLY 102/67	86/63			SINGLE POINT POWER CONNECTION FOR FAN POWER	
AHU-2	DYNAMIC AIR	GYM	6,500	4/M6.05	16,000	Y	1.5	460	3	6@5 HP (30 HP TOTAL)	47	ABB VFD	7715	2" PRE	AL FINS COPPER	650/550	100	80/67	58/55.5	44/57	B352 2" 83	110 V 20 AMP FOR CONTROLS 110 V 20 AMP FOR LIGHTS	BELIMO NMB24-MFT (TWO)
														12" FINAL	TUBES COATED							SINGLE POINT POWER CONNECTION FOR FAN POWER	
AHU-3	DYNAMIC AIR	GYM	6,500	4/M6.05	16,000	Y	1.5	460	3	6@5 HP (30 HP TOTAL)	47	ABB VFD	7715	2" PRE	AL FINS COPPER	650/550	100	80/67	58/55.5	44/57	B352 2" 83	110 V 20 AMP FOR CONTROLS 110 V 20 AMP FOR LIGHTS	BELIMO NMB24-MFT (TWO)
														12" FINAL	TUBES COATED							SINGLE POINT POWER CONNECTION FOR FAN POWER	
AHU-4	DYNAMIC AIR	MAKE-UP AIR	6,200	4/M6.05	15,585	Y	2.5	460	3	2@10HP (20 HP TOTAL)	32	ABB VFD	15,570	12" FINAL	AL FINS COPPER	340/340	47.6	86/63	64/60	44/57	B248 2" 29	110 V 20 AMP FOR CONTROLS 110 V 20 AMP FOR LIGHTS	BELIMO NMB24-MFT (TWO)
															TUBES COATED							SINGLE POINT POWER CONNECTION FOR FAN POWER	

TAG	HEATING COIL	HEATING CAPACITY TOTAL MBTUH	FLOW RATE (GPM)	ENTERING DB SUMMER PERFORMANCE	LEAVING DB	WATER TEMP IN/OUT	BELIMO VALVE MODEL CONNECTION CV
AHU-1	PLATE HX	828	N/A	EXHAUST 75/61	50/49	N/A	N/A
	EPOXY COATED			SUPPLY 33/33	55/45		
AHU-2	AL FINS COPPER	637	43	55 F	91 F	155/125	B348 2" 29
	TUBES - COATED						
AHU-3	AL FINS COPPER	637	43	55 F	91 F	155/125	B248 2" 29
	TUBES - COATED						
AHU-4	AL FINS COPPER	505	34	55 F	90.5 F	150/120	B248 2" 29
	TUBES - COATED						

PUMP SCHEDULE

TAG	SERVICE	MANF. & MODEL	HP	ELEC	GPM @ HEAD	WEIGHT	VF DRIVE	ANCHORAGE DETAIL
P-1	CHILLED WATER	GRUNDFOS VL30957	7.5	460/3/60	200 @ 80 FT	380 LBS	ABB ACH 550	5/M5.01
A&B								
P-2	HEATING WATER	GRUNDFOS VL 20955	5	460/3/60	90 @ 65 FT	198 LBS	ABB ACH 550	5/M5.01
A&B								

SPLIT SYSTEM SCHEDULE

TAG	MAKE	MODEL	SERVES	WEIGHT (LBS)	ELECTRICAL DATA VOLTAGE	MCA	MOCP	COOLING CAPACITY BTUH	SEER	OPTIONS	NOTES	ANCHORAGE DETAIL
SS 1	MITSUBISHI	PUZ-A24NHA7 -BS OUTDOOR PKA-A24KA7 -INDOOR	IT ROOM	153 LBS 53 LBS	208/1/60	19	25	24,000	21.4	WIRED THERMOSTAT	INDOOR UNIT RECEIVES POWER FROM OUTDOOR UNIT	9/M5.01

FAN COIL SCHEDULE

TAG	ROOM #	SERVING	MAKE & MODEL	FAN ARRANGE	CFM	GENERAL FIRE ALARM SHUTDOWN	OUTSIDE AIR	EXTERNAL ESP WC	TSP (IN.WC)	ELECTRICAL DATA MOTOR (HP)	BRAKE (HP)	FAN RPM	MOTOR FULL LOAD AMPS	MCA	MOCP	ELECTRICAL DATA V/P/HZ	WEIGHT (LBS)	CHILLED WATER COIL EAT DB/WB (DEG. F)	LAT DB/WB (DEG. F)	TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	EWT/LWT (DEG.F)	FLUID FLOW (GPM)	FLUID PD (FT.)	BELIMO VALVE	HOT WATER COIL HEATING CFM	EAT DB/WB (DEG. F)	LAT DB/WB (DEG. F)	SENSIBLE CAPACITY (BTUH)	EWT/LWT (DEG.F)	FLUID FLOW GPM	BELIMO VALVE	ANCHORAGE DETAIL
FC-1	207,210,212	TEAM ROOMS/LOBBY	ENVIROTECH V40	2	2860	Y	1200	1.0	1.75	2.0	1.45	880	3.0	2.75	15	460/3/60	835	80/67	57/55.8	105060	72000	44/57	19.40	13.67	B-224	1900	55		106940	150/120	7.30	B-218	FILTER FRAME W/ 2" MERV 8 FILTER, BASE RAIL	6/M5.0
FC-2	213A	CARDIO ROOM	ENVIROTECH V40	2	4200	Y	1200	1.2	2.37	5.0	3.11	1058	6.33	7.91	15	460/3/60	835	80/67	57/55.8	157450	114870	44/57	24.20	3.14	B-224	2800	55		107880	150/120	7.30	B-218	FILTER FRAME W/ 2" MERV 8 FILTER, BASE RAIL	6/M5.0
FC-3	206A	FITNESS ROOMS	ENVIROTECH V20	1	2400	Y	730	1.0	2.1	1.5	1.16	1481	2.2	2.75	15	460/3/60	467	80/67	57/55.8	84060	61380	44/57	12.90	3.12	B-223	1600	55		67780	150/120	4.60	B-213	FILTER FRAME W/ 2" MERV 8 FILTER, BASE RAIL	6/M5.0
FC-4	206B	FITNESS ROOMS	ENVIROTECH V16	1	1800	Y	580	1.0	1.86	1.0	0.94	1305	1.51	1.89	15	460/3/60	349	80/67	50.9/57.9	52480	38140	44/57	8.10	12.0	B-218	1200	55		43740	150/120	3.00	B-213	FILTER FRAME W/ 2" MERV 8 FILTER, BASE RAIL	6/M5.0
FC-5	200, 203, 204	TEAM ROOMS/LOBBY	ENVIROTECH V40	1	2860	Y	1200	1.0	1.74	2.0	1.45	878	2.2	2.75	15	460/3/60	835	80/67	57/55.8	105060	72000	44/57	19.40	13.67	B-224	2500	55		96080	150/120	7.7	B-218	FILTER FRAME W/ 2" MERV 8 FILTER, BASE RAIL	6/M5.0
FC-6	100, 126	1ST FLR TRAIN/FITNESS RM	ENVIROTECH V40	1	3580	Y	1275	1.0	2.22	1.5	1.16	1421	2.2	2.75	15	460/3/60	835	80/67	57/55.8	105000	97000	44/57	19.00	3.14	B-224	2380	55		105000	150/120	7.30	B-218	FILTER FRAME W/ 2" MERV 8 FILTER, BASE RAIL	6/M5.0
FC-7	101	WEIGHT ROOM	ENVIROTECH V30	1	3640	Y	600	1.0	1.0	3.0	2.46	956	4.1	5.2	15	460/3/60	646	80/67	57/55.8	100000	91000	44/57	18.00	3.14	B-324	1200	55		100000	150/120	7.30	B-318	FILTER FRAME W/ 2" MERV 8 FILTER, BASE RAIL	6/M5.0
FC-8	102	ACADEMIC SS/MEETING ROOM	ENVIROTECH V20	1	1800	Y	900	0.8	1.0	1.0	0.72	1305	1.0	1.0	15	460/3/60	467	80/67	57/55.8	60000	54500	44/57	9.10	12.0	B-218	1600	55		56090	150/120	4.20	B-213	FILTER FRAME W/ 2" MERV 8 FILTER, BASE RAIL	6/M5.0
FC-9	134	ELECTRICAL ROOM	ENVIROTECH H20	3	2400	Y	0	0.5	1.0	1.0	1.0	1305	3.5	4.0	15	208/1/60	349	80/67	57/55.8	55090	55000	44/57	9.20	12.0	B-218	NO HEATING COIL								8/M5.04

FILTER FRAME W/ 2" MERV 8 FILTER, CLOSE ON RISE LINE VOLTAGE
HONEYWELL TSTAT, LITTLE GIANT CONDENSATE PUMP MODEL VCMA -20
UL 208 VOLT 1/30 HP W SAFETY FLOATWIRE TO SHUTDOWN UNIT.

ACCESSORIES

TAG	DESCRIPTION	SERVICE	MAKE MODEL	CONNECTIONS	NOTES	ANCHORAGE DETAIL
	BUTTERFLY VALVE	CHILLED & HEATING WATER	NIBCO OR STOCKHAM	FLANGED LUG STYLE	INSTALL AT LOCATION SHOWN ON PLANS	NA
	BALL VALVE	CHILLED & HEATING WATER	NIBCO OR STOCKHAM	SOLDER/THREADED	INSTALL AT LOCATION SHOWN ON PLANS	NA
	WYE STRAINER	CHILLED & HEATING WATER	STOCKHAM	FLANGED	INSTALL NEW ON CHILLED & HOT WATER LOOPS	4/M5.03
	VIBRATION ISOLATION	CHILLED & HEATING WATER	MASON INDUSTRIES SAFELEX SFDEJ	VARIES	INSTALL AT CHILLERS, BOILERS & PUMP CONNECTIONS SECURE PIPE PER MANUFACTURERS RECOMENDATIONS	4/M5.03
VT 1	VOLUME TANK	CHILLED WATER	HANSON WL-313-B	6" FLANGED	ASME 405 GALLONS. BAFFLED, INSULATED & ALUM. JACKETED. ANCHOR TO RESIST SEISMIC MOTION. WEIGHT 4436 LBS.	4/M5.00
ET 1	EXPANSION TANK	CHILLED WATER	AMTROL L200	1" NPT	ANCHOR TO RESIST SEISMIC MOTION. WEIGHT 629 LBS.	3/M5.00
ET 2	EXPANSION TANK	HEATING WATER	AMTROL L200	1" NPT	ANCHOR TO RESIST SEISMIC MOTION. WEIGHT 629 LBS.	3/M5.00
CF 1	CHEMICAL FEED TANK	CHILLED WATER	JL WINGERT DB-9HD	3/4" NPT	FLUSH SYSTEM AND PROVIDE ONE YEAR CHEMICAL TREATMENT SERVICE 50 LBS	7/M5.00
CF 2	CHEMICAL FEED TANK	HEATING WATER	JL WINGERT DB-2HD	3/4" NPT	FLUSH SYSTEM AND PROVIDE ONE YEAR CHEMICAL TREATMENT SERVICE 50 LBS	7/M5.00
BFP 1	BACKFLOW PREVENTER	CHILLED WATER	WATTS 909	1" NPT	WYE STRAINER & ISOLATION VALVES	NA
BFP 2	BACKFLOW PREVENTER	HEATING WATER	WATTS 909	1" NPT	WYE STRAINER & ISOLATION VALVES	NA
AS 1	AIR SEPERATOR	CHILLED WATER	BELL & GOSSETT MODEL R-5	5" FLANGED	429 LBS. W/ BLOWDOWN VALVE PIPED TO FLOOR SINK	4/M5.01
AS 2	AIR SEPERATOR	HEATING WATER	BELL & GOSSETT MODEL R-4	4" FLANGED	278 LBS. W/ BLOWDOWN VALVE PIPED TO FLOOR SINK	4/M5.01
FV 1	FILL VALVE	CHILLED WATER	BELL & GOSSETT MODEL F8-1U	1/2" UNION/ SWEAT	PRESSURE REGULATOR/FILL VALVE	NA
FV 2	FILL VALVE	HEATING WATER	BELL & GOSSETT MODEL F8-1U	3" FLANGED	PRESSURE REGULATOR/FILL VALVE	NA

AIR DISTRIBUTION DEVICES

CDS CEILING DIFFUSER SURFACE MOUNT TITUS PAR AA WHITE

CDT CEILING DIFFUSER TITUS PAR-AA WHITE T BAR TYPE

RAT RETURN AIR REGISTER TITUS PAR AA WHITE T BAR TYPE

EAS EXHAUST AIR SURFACE MOUNT. TITUS MODEL PAR AA WHITE

RAGHD RETURN AIR GRILLE HEAVY DUTY TITUS 30RR WHITE 1/2" SPACING

CDG CEILING DIFFUSER. TITUS MODEL TDV 30x30 NECK SIZE WHITE BORDER TYPE 5 (DROPPED FACE)

SRS SUPPLY REGISTER SPIRAL TYPE. TITUS S301 CLEAR ANODIZED ALUMINUM WITH EXTRACTOR

SR SUPPLY REGISTER TITUS MODEL 350FL ALUMINUM WHITE

TGS TRANSFER GRILLE SURFACE MOUNT TITUS PAR WHITE. NECK SIZE ON PLANS

TGT TRANSFER GRILLE T-BAR MOUNT TITUS PAR WHITE. NECK SIZE ON PLANS

L 1 LOUVER. POTTORFF MODEL SFK-445 16 GA. GALV. STEEL CUSTOM KYNAR FINISH MATCH ADJACENT SURFACES

FIRE SMOKE DAMPER SCHEDULE

TAG	LOCATION	TYPE
FSD 1A	1ST FLR BETWEEN GRIDS 2 & 3, G & H	HORIZONTAL
FSD 1B	1ST FLR BETWEEN GRIDS 6 & 7, G & H	VERTICAL
FSD 1C	1ST FLR BETWEEN GRIDS 11 & 12, G & H	VERTICAL
FSD 1D	1ST FLR BETWEEN GRIDS 11 & 12, G & H	HORIZONTAL
FSD 1E	2ND FLR BETWEEN GRIDS 11 & 12, G & H	VERTICAL
FSD 1F	2ND FLR BETWEEN GRIDS 11 & 12, G & H	VERTICAL
FSD 1G	2ND FLR BETWEEN GRIDS 2 & 3, G & H	VERTICAL
FSD 1H	2ND FLR BETWEEN GRIDS 2 & 3, G & H	VERTICAL
FSD 1I	2ND FLR BETWEEN GRIDS 2 & 3, G & H	VERTICAL
FSD 1J	2ND FLR BETWEEN GRIDS 2 & 3, G & H	VERTICAL
FSD 1K	2ND FLR BETWEEN GRIDS 2 & 3, G & H	VERTICAL
FSD 1L	2ND FLR BETWEEN GRIDS 11 & 12, G & H	VERTICAL
FSD 1M	MEZZANINE BETWEEN GRIDS 1&2 @ H	VERTICAL
FSD 1N	MEZZANINE BETWEEN GRIDS 1&2 @ H	VERTICAL
FSD 1O	MEZZANINE BETWEEN GRIDS 3&4 @ H	VERTICAL
FSD 1P	MEZZANINE BETWEEN GRIDS 5&6 @ H	VERTICAL
FSD 1Q	MEZZANINE BETWEEN GRIDS 6&7 @ G&H	VERTICAL
FSD 1R	MEZZANINE BETWEEN GRIDS 9&10 @ H	VERTICAL
FSD 1S	MEZZANINE BETWEEN GRIDS 11&12 @ H	VERTICAL
FSD 1T	MEZZANINE BETWEEN GRIDS 11&12 @ H	VERTICAL
FSD 1U	MEZZANINE BETWEEN GRIDS 11&12 @ H	VERTICAL
FSD 1V	MEZZANINE BETWEEN GRIDS 11&12 @ H	VERTICAL
FSD 1W	SHAFT @ MEZZANINE BETWEEN GRIDS 11&12, G&H	HORIZ.
FSD 1X	SHAFT @ MEZZANINE BETWEEN GRIDS 11&12, G&H	HORIZ.
FSD 1Y	SHAFT @ MEZZANINE BETWEEN GRIDS 11&12, G&H	HORIZ.
FSD 1Z	MEZZANINE BETWEEN GRIDS 8&9, G&H	VERTICAL
FSD 1AA	SHAFT @ MEZZANINE BETWEEN GRIDS 6&7, G&H	HORIZ.
FSD 1AB	SHAFT @ MEZZANINE BETWEEN GRIDS 2&3, G&H	HORIZ.
FSD 1AC	SHAFT @ MEZZANINE BETWEEN GRIDS 2&3, G&H	HORIZ.
FSD 1AD	SHAFT @ MEZZANINE BETWEEN GRIDS 2&3, G&H	HORIZ.
FSD 1AE	2ND FLOOR BETWEEN GRIDS 9&10, G&H	VERTICAL
FSD 1AF	2ND FLOOR BETWEEN GRIDS 7&8, G&H	VERTICAL
FSD 1AG	2ND FLOOR BETWEEN GRIDS 7&8, G&H	VERTICAL
FSD 1AH	2ND FLOOR BETWEEN GRIDS 6&7, G&H	VERTICAL
FSD 1AI	2ND FLOOR BETWEEN GRIDS 5&6, G&H	VERTICAL

FIRE SMOKE DAMPER SCHEDULE (CONT)

TAG	LOCATION	TYPE
FSD 1AJ	2ND FLR BETWEEN GRIDS 3&4, G & H	VERTICAL
FSD 1AK	2ND FLR BETWEEN GRIDS 3&4, G & H	VERTICAL
FSD 1AL	2ND FLR BETWEEN GRIDS 3&4, G & H	VERTICAL
FSD 1AM	2ND FLR BETWEEN GRIDS 1&2, H&J	VERTICAL
FSD 1AN	2ND FLR BETWEEN GRIDS 2&3, H&J	VERTICAL
FSD 1AO	2ND FLR BETWEEN GRIDS 11&12, H&J	VERTICAL
FSD 1AP	2ND FLR BETWEEN GRIDS 11&12, H&J	VERTICAL
FSD 1AQ	2ND FLR BETWEEN GRIDS 11&12, H&J	VERTICAL
FSD 1AR	2ND FLR BETWEEN GRIDS 11&12, H&J	VERTICAL
FSD 1AS	MEZZ WALL BETWEEN GRIDS 11&12, @ H	VERTICAL
FSD 1AT	MEZZ WALL BETWEEN GRIDS 11&12, @ H	VERTICAL
FSD 1AU	MEZZ WALL BETWEEN GRIDS 1&2, @ H	VERTICAL
FSD 1AV	MEZZ WALL BETWEEN GRIDS 1&2, @ H	VERTICAL

CEILING CASSETTES SCHEDULE

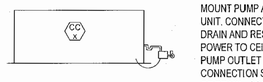
TAG	ROOM #	MAKE	MODEL	CFM	PRIMARY COIL OUTSIDE AIR	COOLING CAPACITY	COOLING GPM	SECONDARY COIL BELIMO VALVE	HEATING CAPACITY	HEATING GPM	BELIMO VALVE	VOLTAGE	AMPS	WEIGHT LBS	ANCHORAGE DETAIL	CONDENSATE PUMP	DETAIL
CC-1	128	MULTI-AQUA	MHCFC4W0401	400	40	6,500	1.0	B209B	13,475	0.75	B209B	208/1/60	0.4	51	12/M5.00	LITTLE GIANT EC-1	1/M1.01
CC-2	127	MULTI-AQUA	MHCFC4W0401	400	40	6,500	1.0	B209B	13,475	0.75	B209B	208/1/60	0.4	51		LITTLE GIANT EC-1	1/M1.01
CC-3	126A	MULTI-AQUA	MHCFC4W0401		40	6,500	1.0	B209B	13,475	0.75	B209B	208/1/60	0.4	51		LITTLE GIANT EC-1	1/M1.01
CC-4	126B	MULTI-AQUA	MHCFC4W0401	400	40	6,500	1.0	B209B	13,475	0.75	B209B	208/1/60	0.4	51		LITTLE GIANT EC-1	1/M1.01
CC-5	126C	MULTI-AQUA	MHCFC4W0401	400	40	6,500	1.0	B209B	13,475	0.75	B209B	208/1/60	0.4	51		LITTLE GIANT EC-1	1/M1.01
CC-6	112	MULTI-AQUA	MHCFC4W0401	400	40	6,500	1.0	B209B	13,475	0.75	B209B	208/1/60	0.4	51		LITTLE GIANT EC-1	1/M1.01
CC-7	117	MULTI-AQUA	MHCFC4W0401	400	40	6,500	1.0	B209B	13,475	0.75	B209B	208/1/60	0.4	51		LITTLE GIANT EC-1	1/M1.01
CC-8	118	MULTI-AQUA	MHCFC4W0401	400	40	6,500	1.0	B209B	13,475	0.75	B209B	208/1/60	0.4	51		LITTLE GIANT EC-1	1/M1.01
CC-9	119	MULTI-AQUA	MHCFC4W0401	400	40	6,500	1.0	B209B	13,475	0.75	B209B	208/1/60	0.4	51		LITTLE GIANT EC-1	1/M1.01
CC-10	105	MULTI-AQUA	MHCFC4W0401	400	40	6,500	1.0	B209B	13,475	0.75	B209B	208/1/60	0.4	51		LITTLE GIANT EC-1	1/M1.01

FIRE LIFE SAFETY DEVICES

FSD 1 FIRE SMOKE DAMPER. RECTANGULAR 1-1/2 HOUR POTTORFF MODEL FSD 141. 120VAC BELIMO SPRING CLOSED UL LISTED ACTUATOR LEAKAGE CLASS 1. MAX. 2000 FPM @ 4" WC

FSD 2 FIRE SMOKE DAMPER. OUT OF PARTITION RECTANGULAR 2 HOUR POTTORFF MODEL FSD 141-OP, 120VAC BELIMO SPRING CLOSED UL LISTED ACTUATOR LEAKAGE CLASS 1. MAX. 2000 FPM @ 4" WC

SD 1 DUCT SMOKE DETECTOR. FOR AIR HANDLER SHUTDOWN (>2000 CFM) AND FIRE SMOKE DAMPER ACTUATION. COMPATIBLE WITH FIRE ALARM. CONNECT TO FIRE ALARM AND WIRE FOR UNIT SHUTDOWN

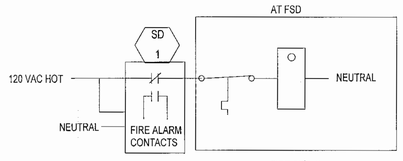


MOUNT PUMP AT SIDE OF CEILING CASSETTE UNIT. CONNECT RESERVOIR TO CONDENSATE DRAIN AND RESERVOIR TO PUMP. CONNECT PUMP POWER TO CEILING CASSETTE POWER. CONNECT PUMP OUTLET TO CONDENSATE DRAIN. CONNECTION SHALL BE MADE ABOVE CENTERLINE OF DRAIN. COORDINATE WITH PLUMBING CONTRACTOR FOR CONDENSATE PIPING CONNECTION.

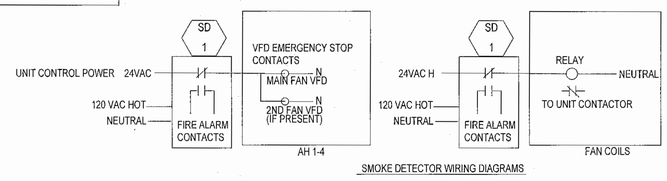
1 / M1.01 CEILING CASSETTE CONDENSATE PUMP DETAIL

FIRE SMOKE DAMPER NOTES
SEE ELECTRICAL SHEET E-204 FOR DAMPER CIRCUIT WITH LOCK ON DEVICE

TEST FOR PROPER DAMPER OPERATION IN THE PRESENCES OF THE IOR PER CBC 717 AND NFPA 80 & 105



FIRE SMOKE DAMPER



SMOKE DETECTOR WIRING DIAGRAMS

CONSULTANT
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Mechanical Engineers, Inc.
838 East Front Street
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email: hugh@aegroupmc.com

AMADOR WHITTLE
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28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

REGISTERED ARCHITECT WILLIAM JORGE AMADOR C-20534 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. METCALF M030626 Rem. 6/30/18 MECHANICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

BACKCHECK SUBMITTAL

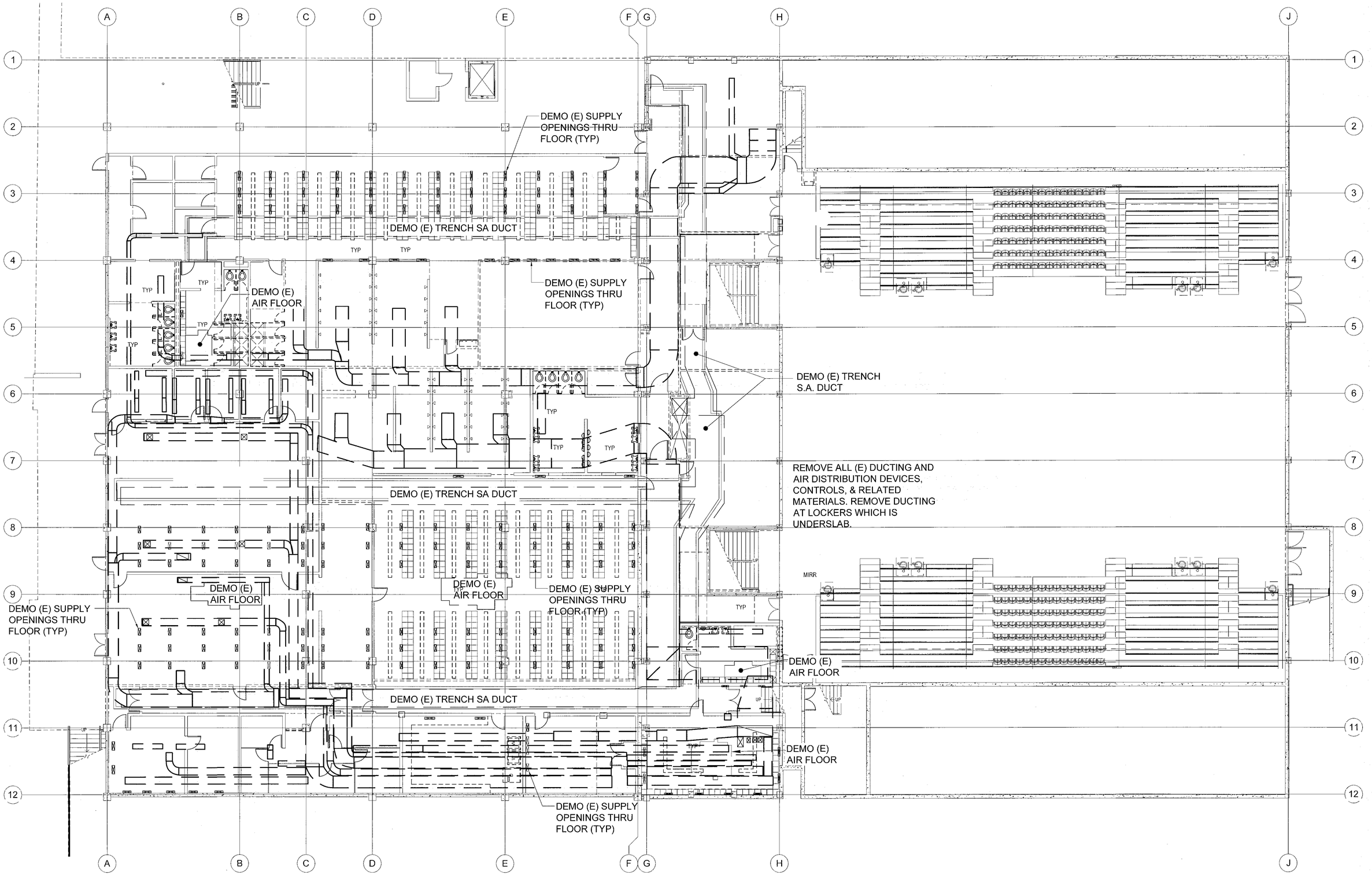
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REVISIONS	DATE: 03/26/18
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	CHECK: HM/PW
	JOB NO:

MECHANICAL SCHEDULES

M1.01 ___ OF ___

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY



1 FIRST FLOOR- DEMOLITION PLAN
1/8" = 1'-0"

NORTH

CONSULTANT
AE Group
Mechanical Engineers, Inc.
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email: hugh@aegroupmc.com

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AGOURA HILLS, CA 91301
(805) 530-3939 , (818) 974-0071

LICENSED ARCHITECT WILLIAM JOHN AMADOR C26348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. McTERNEN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD.
MOORPARK, CA
93021

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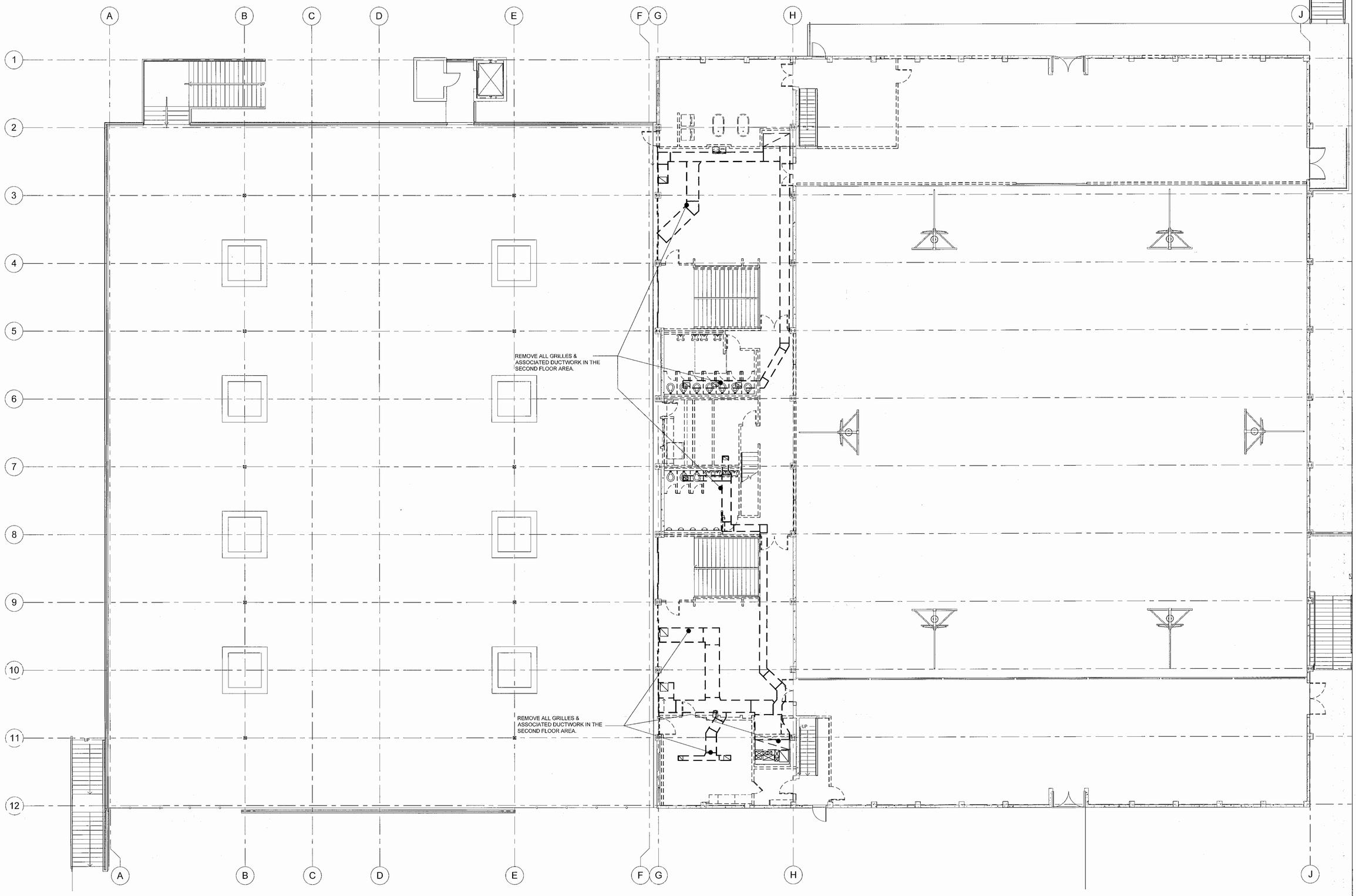
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	JOB NO:

FIRST FLOOR DEMOLITION PLAN

M2.00

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___ OF ___



1 SECOND FLOOR - DEMOLITION PLAN
1/8" = 1'-0"

NORTH

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AC ___ FLS ZNL SS ___
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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM POWELL WHITTLE C-20145 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. McTERNAN M030626 Rnn. 6/30/18 MECHANICAL STATE OF CALIFORNIA

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AGOURA HILLS, CA 91301
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MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

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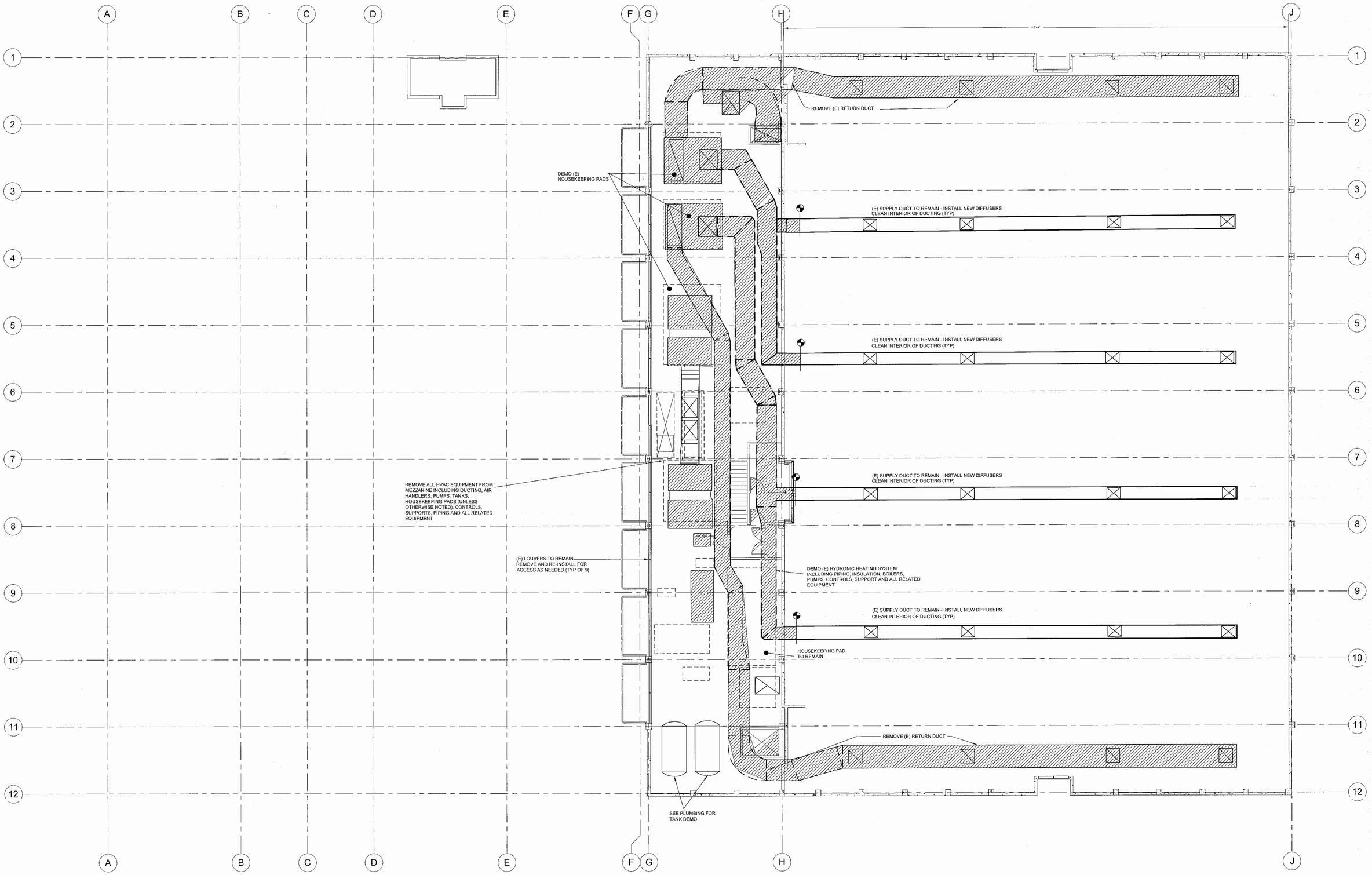
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SECOND FLOOR DEMOLITION PLAN

M2.01

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___ OF ___



1 MEZZANINE DEMOLITION PLAN
1/8" = 1'-0"

NORTH

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Mechanical Engineers, Inc.
836 East Front Street
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email: hugh@aegroupme.com

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LICENSED ARCHITECT WILLIAM JOSE AMADOR C-25348 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. MCTERNAN M030628 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

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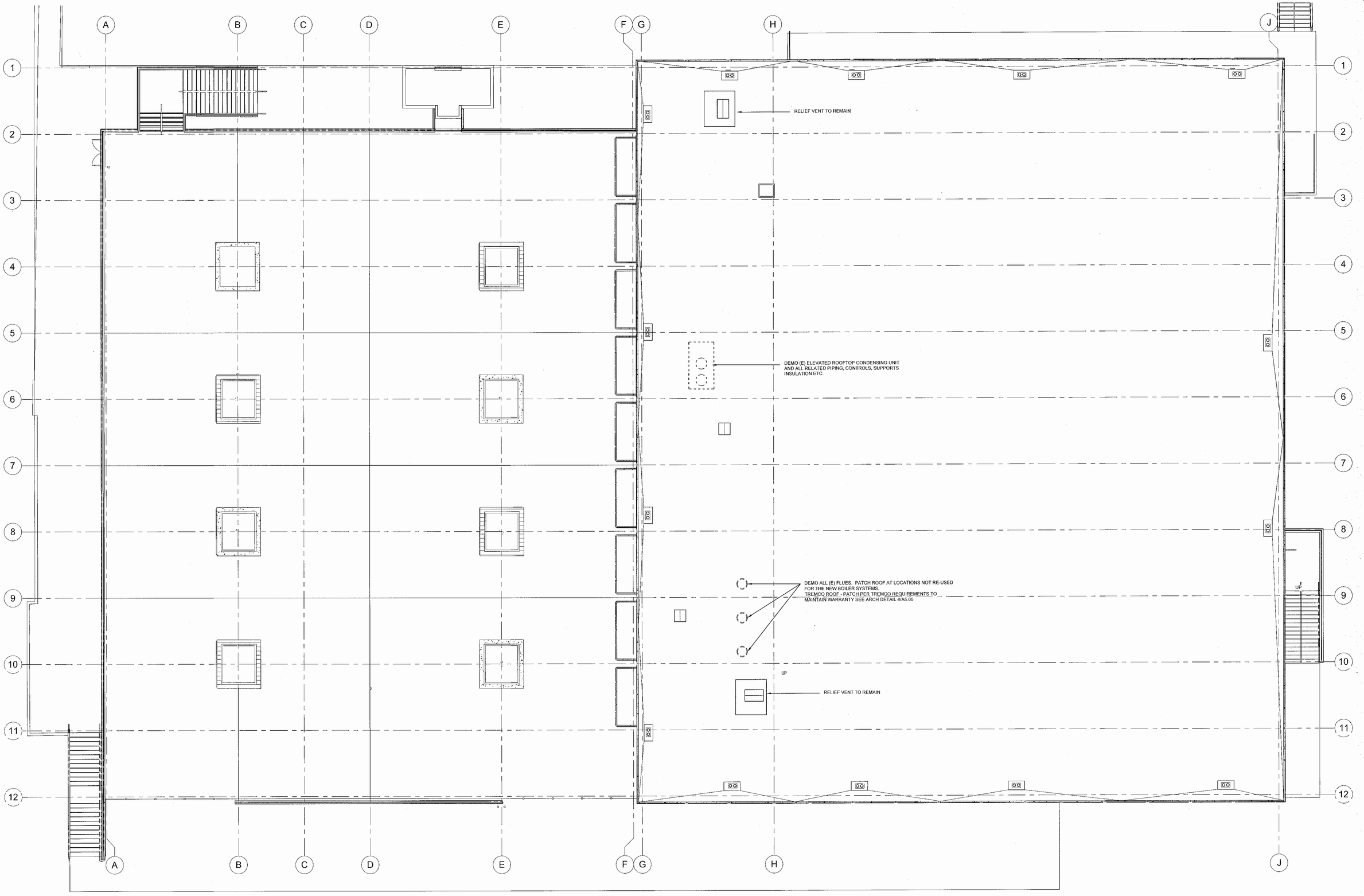
REVISIONS	DATE: 03/26/18
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	JOB NO:

MEZZANINE DEMOLITION PLAN

M2.02

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___ OF ___



1 ROOF DEMOLITION PLAN
1/8" = 1'-0"

NORTH

CONSULTANT

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LICENSED ARCHITECT WILLIAM JORGE AMADOR C-26348 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. MCTERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

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MOORPARK COLLEGE GYMNASIUM RENOVATION

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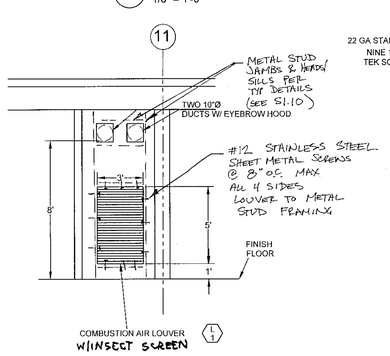
ROOF DEMOLITION PLAN

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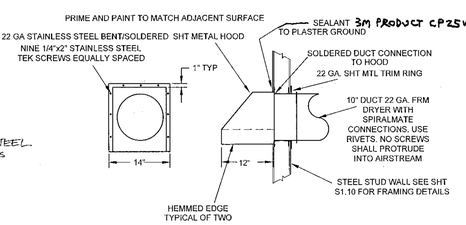
M2.03
___ OF ___

1 FIRST FLOOR- MECHANICAL PLAN
1/8" = 1'-0"

2 LAUNDRY ROOM WALL PENETRATIONS
1/4" = 1'-0"



3 DRYER VENT TERMINATION
NO SCALE



NORTH

LINE LEGEND

- SUPPLY
- EXHAUST & RETURN
- REFRIGERANT LINE
- TURNING VANES INSTALL AT ALL RECT. ELBOWS
- VOLUME DAMPERS AT ALL BRANCH TAKE-OFFS

SEISMIC JOINT LEGEND
- FLEXIBLE JOINT AT DUCTING SEE 8/M5.0
- FLEXIBLE JOINT AT PIPING SEE 9/M5.0

ALL EXPOSED DUCT SHALL BE 22. GA SPIRAL TYPE WITH 1" LINER AND SPRIALMATE CONNECTIONS

REFRIGERANT CALCULATION FOR ROOM 124

TWO ICE MACHINES 2 LBS R-404 PER MACHINE 4 LBS TOTAL
PER CMC TABLE 1102.2 ALLOWED QTY 31 LBS PER 1000 FT3
TOTAL ROOM VOLUME - 4488 FT3 138 LBS OF R-404 ALLOWED
4 LBS < 138 LBS ∴ OKAY

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AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

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FILE NO. 56-C1
APPL. NO. 03-118379
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LICENSED ARCHITECT HUGH A. MCTERNAN C-20349 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. MCTERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021
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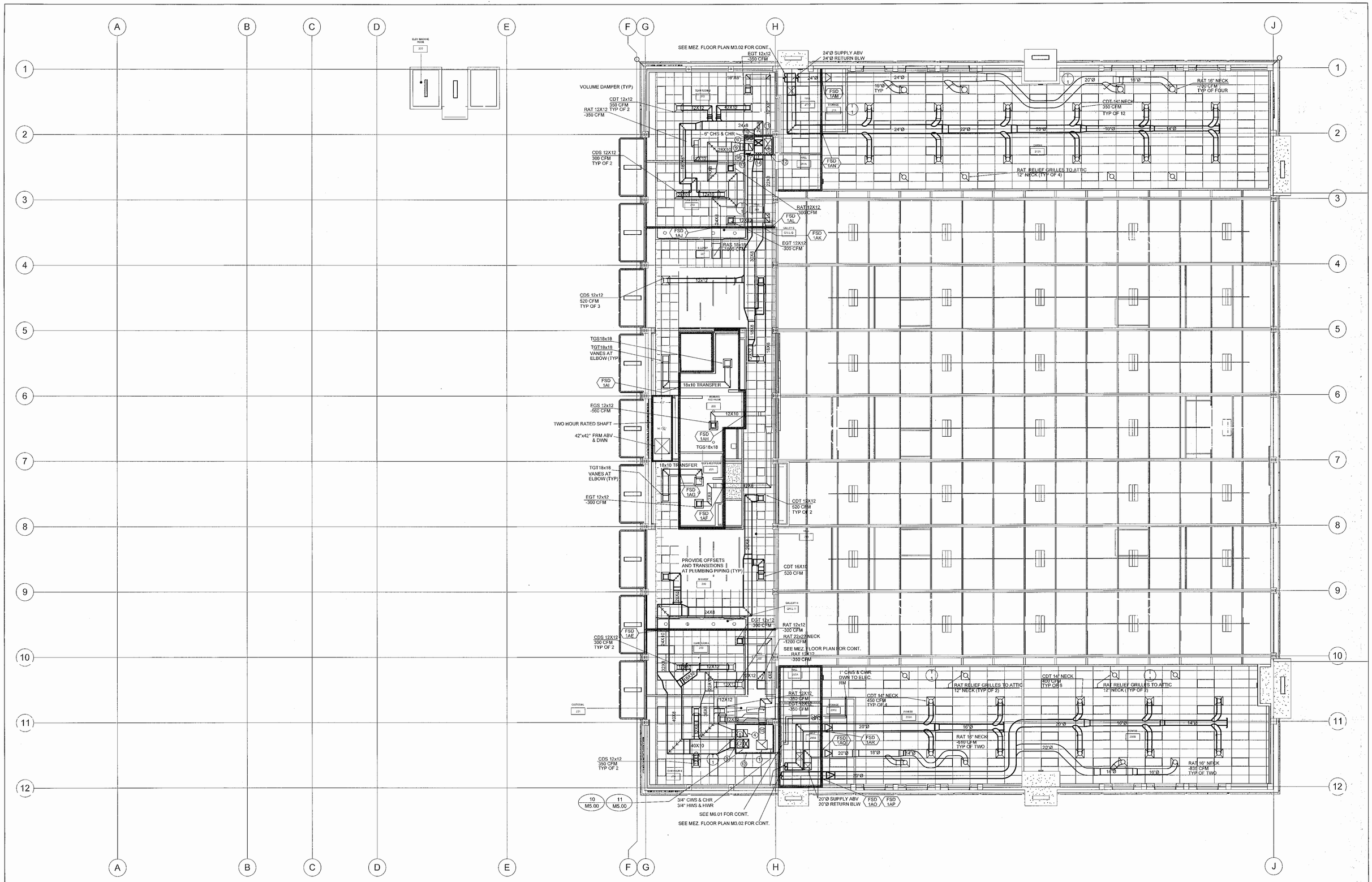
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FIRST FLOOR MECHANICAL PLAN

M3.00

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___ OF ___



1 SECOND FLOOR MECHANICAL PLAN

1/8" = 1'-0"

NORTH

SHEET NOTES

1. 30"x26" EXH UP 26"x26" EXH FRM BLW
2. 14"X26" SA FRM TO FC-5
3. FSD 1E 26"x14"
4. 14"x20" RA TO FC-5
5. FSD 1F 20"x14"
6. 18"X24" SA FRM ABOVE
7. 12"X20" RA TO FC-1
8. 28x20 EXH UP 24x20 EXH FRM BLW
9. FSD 1G 20"x10"
10. FSD 1H 24"x8"
11. FSD 1I 18"x8"
12. FSD 1J 22"x10"
13. TWO HOUR RATED SHAFT SEE 1/A5.06
14. FSD 1K 24"x12"
15. FSD 1L 18"x8"
16. HYDRONIC PIPING

SEE DETAILS FOR PIPE & DUCT SUPPORT AT SHAFT — 10/M5.00, 11/M5.00

SEE DETAILS FOR DUCT/DIFFUSER CONNECTIONS — 4/M5.01

CONSULTANT

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APPL. NO. 03-118379
AC FLS ZH SS
DATE 06-19-18

LICENSED ARCHITECT HUGH A. MCTEAGUE C-29348 JANUARY 31, 2019 CALIFORNIA STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. McTEAGUE M030626 Ren. 6/30/19 MECHANICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

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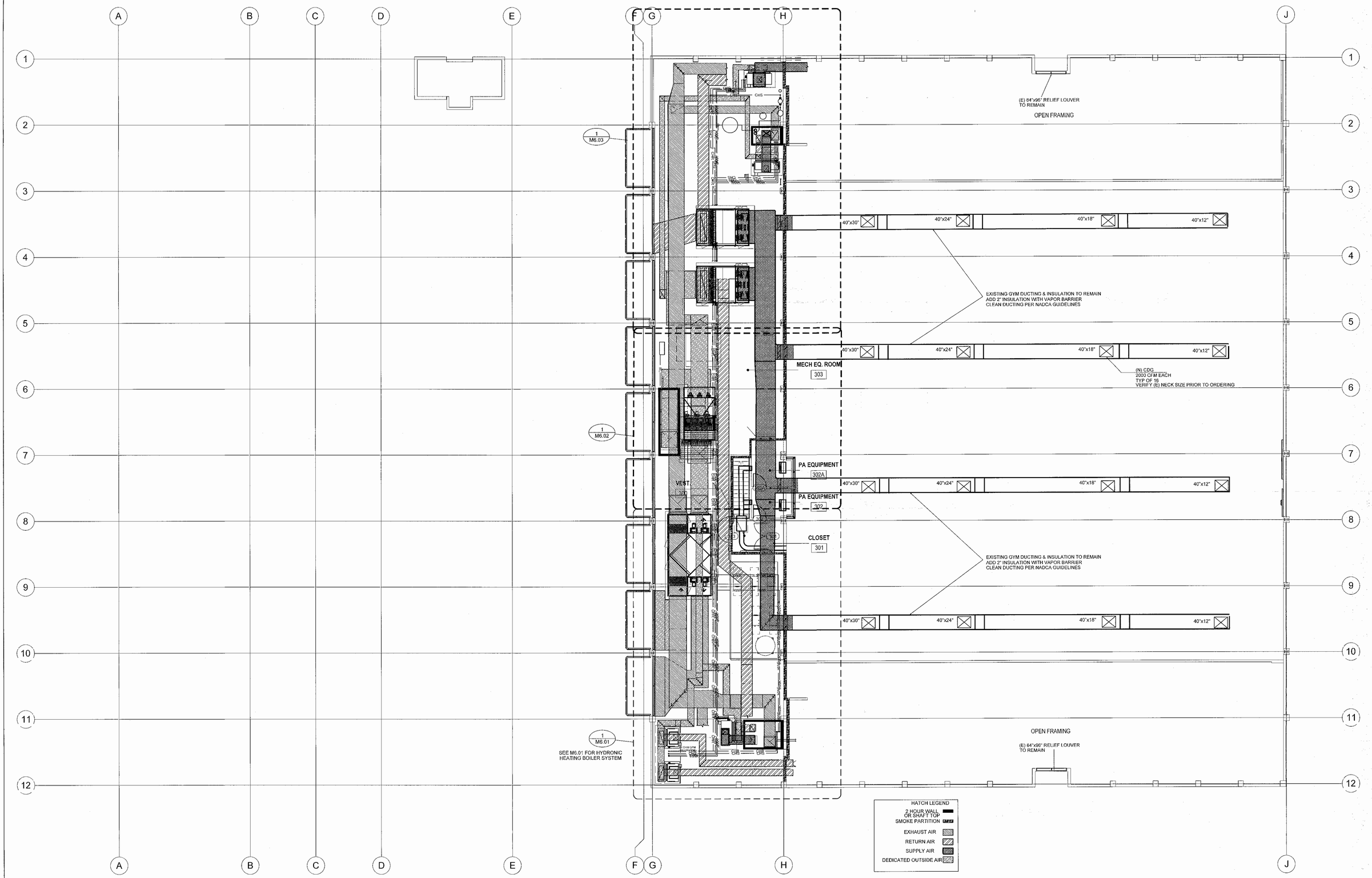
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SECOND FLOOR MECHANICAL PLAN

M3.01

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___ OF ___



1 MEZZANINE MECHANICAL PLAN
1/8" = 1'-0"

NORTH

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LICENSED ARCHITECT WILLIAM JOSE AMADOR C-30348 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. McTIERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

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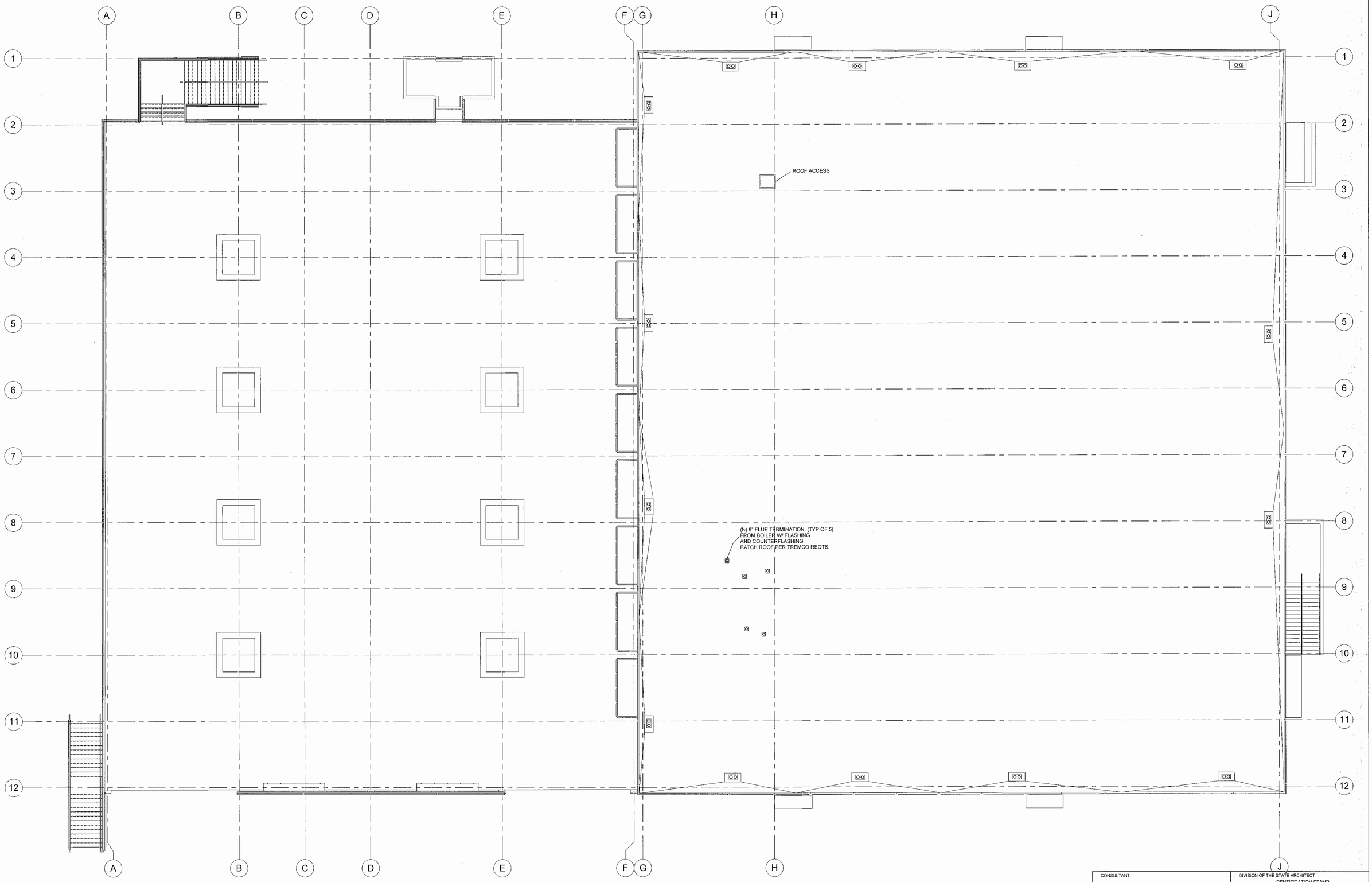
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MEZZANINE MECHANICAL PLAN

M3.02

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___ OF ___



1 MECHANICAL ROOF PLAN
1/8" = 1'-0"

NORTH

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT — WILLIAM JOHN AMADOR — C-20348 — JANUARY 31, 2019 RENEWAL DATE — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — HUGH A. McTERNAN — M030626 Ren. 6/30/18 — MECHANICAL — STATE OF CALIFORNIA

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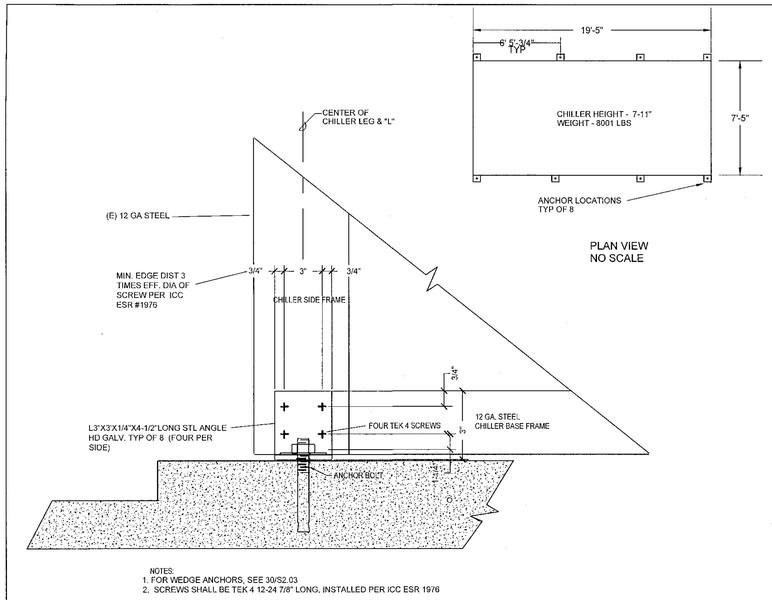
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MECHANICAL ROOF PLAN

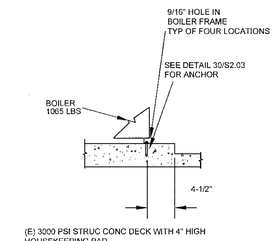
M4.00

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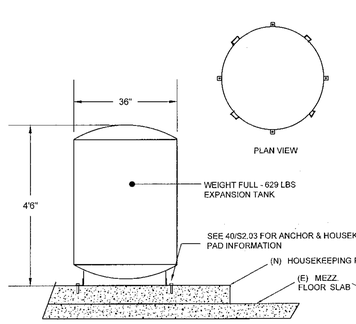
___ OF ___



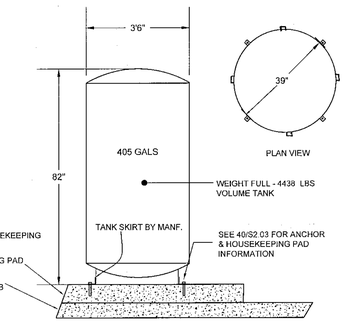
1 / M5.00 CHILLER ANCHORAGE DETAIL
SCALE: NO SCALE



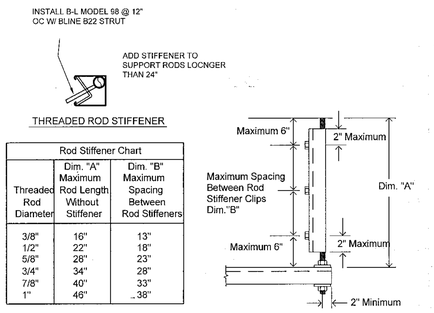
2 / M5.00 BOILER ANCHORAGE DETAIL
SCALE: NO SCALE



3 / M5.00 EXPANSION TANK ANCHORAGE DETAIL
NO SCALE

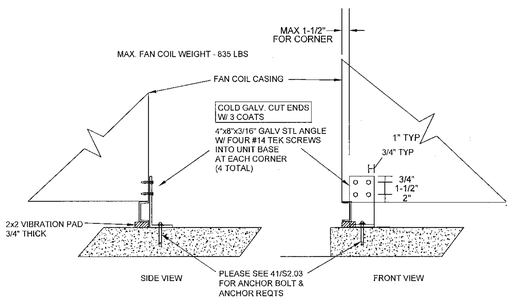


4 / M5.00 VOLUME TANK ANCHORAGE DETAIL
NO SCALE

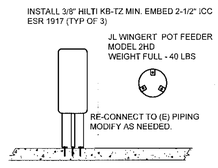


Rod Stiffener Chart		
Threaded Rod Diameter	Dim. "A" Maximum Rod Length Without Stiffener	Dim. "B" Maximum Spacing Between Rod Stiffeners
3/8"	16"	13"
1/2"	22"	18"
5/8"	28"	23"
3/4"	34"	28"
7/8"	40"	33"
1"	46"	38"

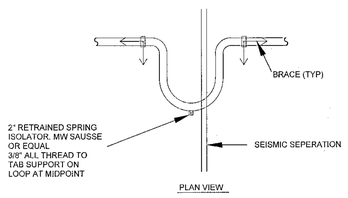
5 / M5.00 THREADED ROD STIFFENER
NO SCALE

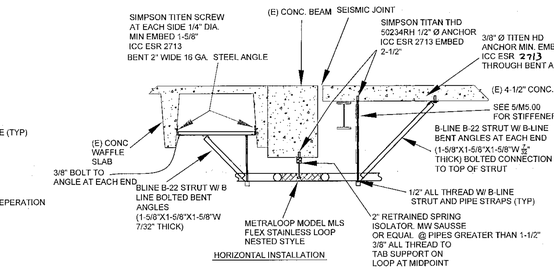


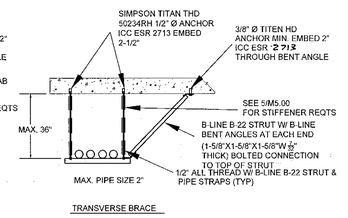
6 / M5.00 FAN COIL 1-8 ANCHORAGE DETAIL
SCALE: NO SCALE

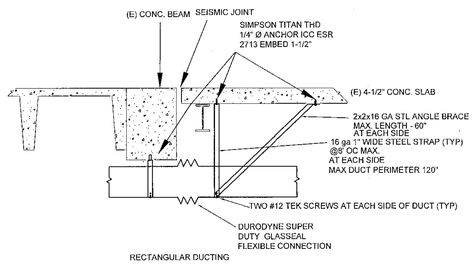


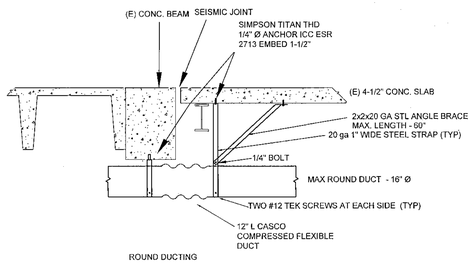
7 / M5.00 POT FEEDER ANCHORAGE
SCALE: 1/2"=1'-0"





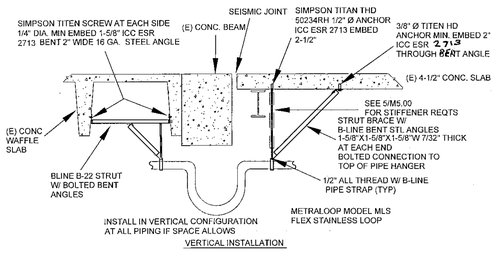






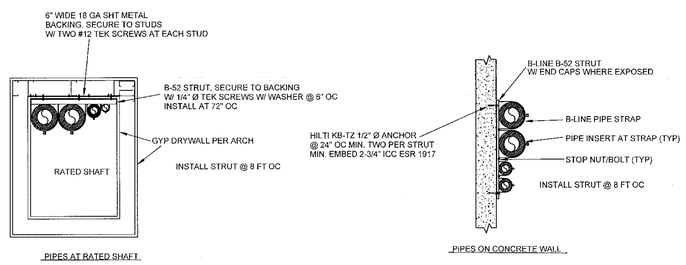
8 / M5.00 DUCT @ SEISMIC JOINT DETAIL
NO SCALE



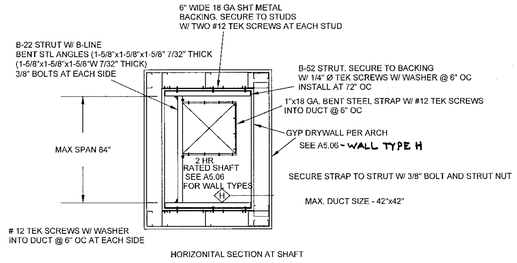


9A / M5.00 ROD STIFFENER
NO SCALE

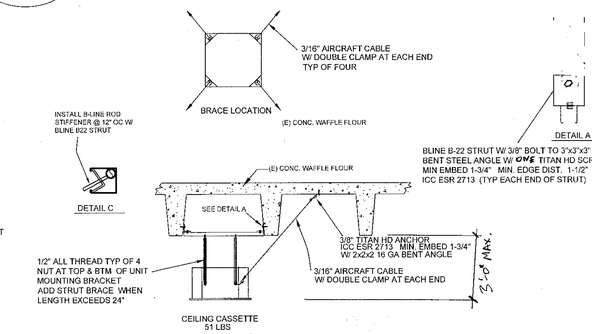
9 / M5.00 HYDRONIC PIPING AT SEISMIC JOINT
NO SCALE



10 / M5.00 PIPE SUPPORT DETAILS
NO SCALE



11 / M5.00 DUCT SUPPORT DETAILS
NO SCALE



12 / M5.00 CEILING CASSETTE SUPPORT
NO SCALE

CONSULTANT
AE Group
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838 East Front Street
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email: hugh@aegroupme.com

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS ZM SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT HUGH A. METCALF C-29348 JANUARY 31, 2019 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. METCALF M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

BACKCHECK SUBMITTAL

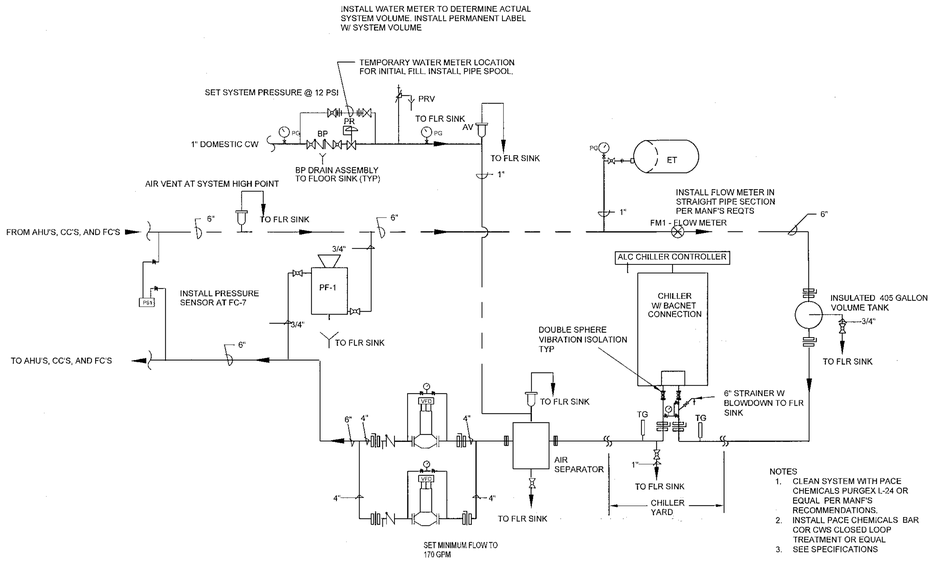
NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: HM/JS
	CHECK: HM/PW
	JOB NO:

MECHANICAL DETAILS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

M5.00
___ OF ___

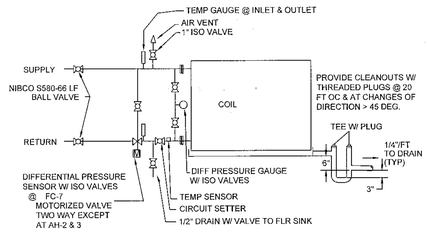


NOTES
1. CLEAN SYSTEM WITH PACE CHEMICALS PURGEX L-24 OR EQUAL PER MANF'S RECOMMENDATIONS.
2. INSTALL PACE CHEMICALS BAR COR CWS CLOSED LOOP TREATMENT OR EQUAL
3. SEE SPECIFICATIONS

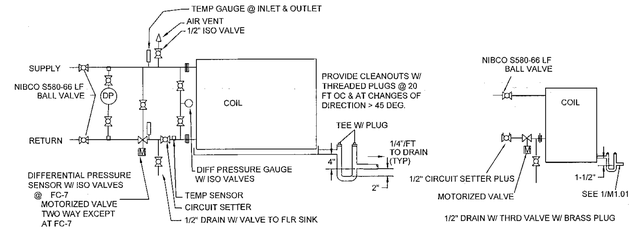
SYMBOLS LEGEND

- UNION (DIELECTRIC AT DISIMILAR METALS)
- PRESSURE RELIEF VALVE PIPE TO FLOOR SINK
- PRESSURE GAUGE - 0-60 PSIG W/ ISOLATION VALVE
- REMOTE PRESSURE SENSOR FOR PUMP SPEED CONTROL
- NIBCO S580 -66-LF BALL VALVE
- NIBCO CHECK VALVE
- DIFFERENTIAL PRESSURE GAUGE ASSEMBLY
- NIBCO BUTTERFLY VALVE
- AIR VENT AT SYSTEM HIGH POINT
- AIR VENT W/ 1/4" BLEAD TO DRAIN
- INLINE PUMP
- TEMP SENSOR
- TEMPERATURE GAUGE 0-200 DEG. F
- FLOW DIRECTION
- BACKFLOW PREVENTER PRESSURE REGULATION PIPE RELIEF TO DRAIN

1 / M5.01 CHILLED WATER PIPING SCHEMATIC
NO SCALE



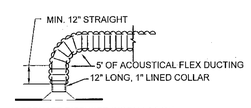
AHU PIPING



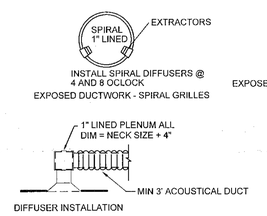
FAN COIL PIPING

CEILING CASSETTE PIPING

3 / M5.01 COIL PIPING DETAILS
SCALE: NO SCALE

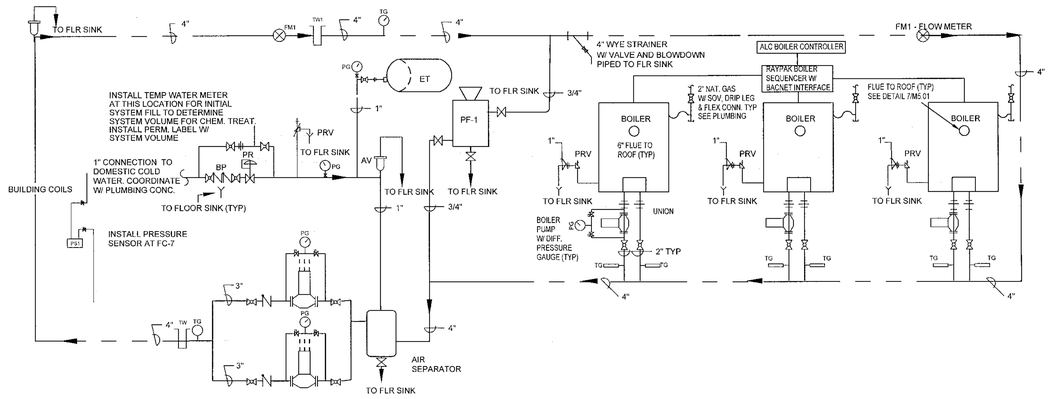


ALTERNATE DIFFUSER INSTALLATION

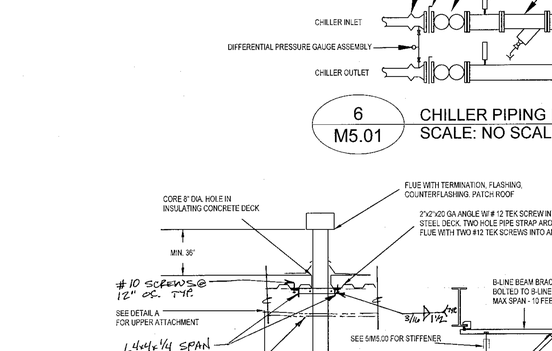


4 / M5.01 DIFFUSER INSTALLATION DETAIL
SCALE: NO SCALE

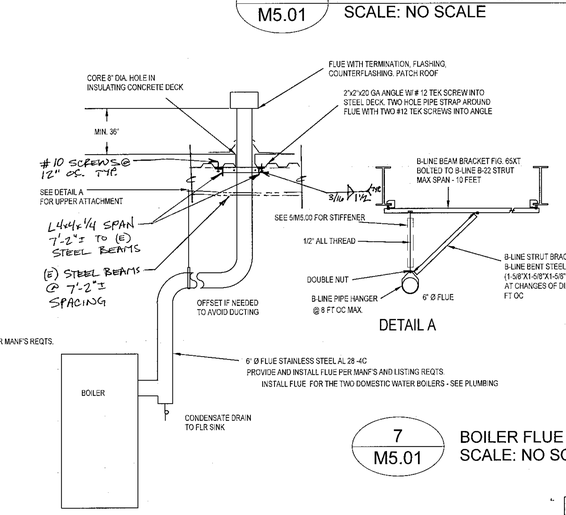
NOTES
1. CLEAN SYSTEM WITH PACE CHEMICALS PURGEX L-24 OR EQUAL PER MANF'S RECOMMENDATIONS.
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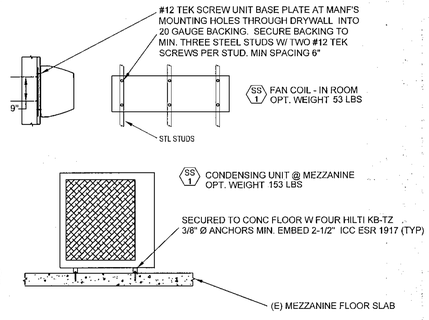
2 / M5.01 HYDRONIC HEATING SCHEMATIC
SCALE: NO SCALE



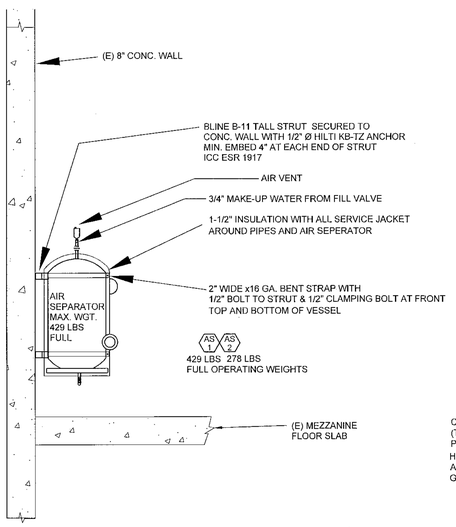
6 / M5.01 CHILLER PIPING DETAIL
SCALE: NO SCALE

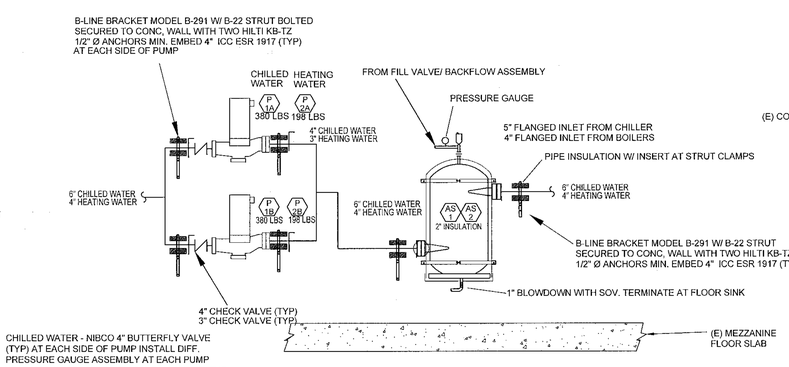


7 / M5.01 BOILER FLUE DETAIL
SCALE: NO SCALE

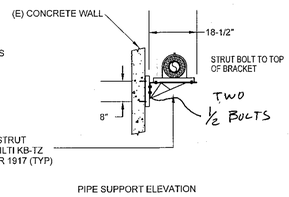


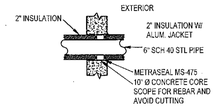
9 / M5.01 SPLIT SYSTEM ANCHORAGE
SCALE: NO SCALE





5 / M5.01 PUMP/AIR SEPARATOR MOUNTING DETAIL
SCALE: NO SCALE





8 / M5.01 CHILLER PIPE WALL PENETRATION
SCALE: NO SCALE

CONSULTANT

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email: hugh@aegroupmc.com

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED / REGISTERED PROFESSIONAL ENGINEER — WILLIAM PAUL AMADOR — C026348 — JANUARY 31, 2019 — RENEWAL DATE — STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER — HUGH A. METERYK — M030626 Rem. 6/30/18 — MECHANICAL — STATE OF CALIFORNIA

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(805) 530-3938 , (818) 874-0071

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93021

BACKCHECK SUBMITTAL

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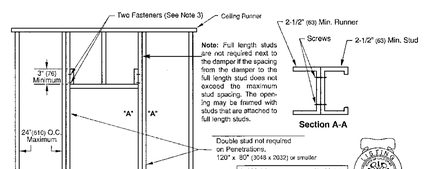
MECHANICAL DETAILS

M5.01 ___ of ___

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POTTORFF®

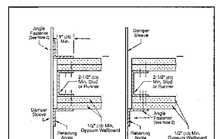
metal stud framing in drywall partitions
1½ hour — fire and combination fire smoke dampers
installation instructions



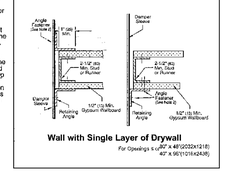
Opening Preparation Detail

NOTES

1. Gypsum panels must be screwed 12" (305) O.C. maximum to all stud and runner flanges surrounding opening.
2. Mounting angles shall be a minimum of ¾" x 1-½" tall x 20 gauge (19 x 38 x 1.0). For opening sizes ≤ 80" wide (2032), 96" high (2438), and not exceeding 26.67 square feet in area retaining angles are only required on one side of the partition and must be attached to the sleeve and the partition. For larger openings (or optional on smaller openings), 1-½" x 1-½" x 16 gauge (38 x 38 x 1.5), retaining angles are required on both sides of the partition and must be attached to the sleeve. Attachment to the sleeve shall be with No. 10 (M5) screws or bolts, ¼" (4.8) diameter steel rivets, Quick-Lock joints or welds at 8" (203) o.c. maximum. Attachment to partition/opening shall be with min. #10 fasteners with a minimum length as follows: For metal studs and the angles under the drywall, the fasteners must be a min. ½" long. For metal stud and the angles over the drywall the fastener must be a min. ½" longer than the thickness of the drywall, i.e., if the partition has one layer of ½" drywall on the attachment side, the screws must be ½" + ½" long. The fasteners in the partition should be located such that they are ½" below the top of the 1-½" flange of the retaining angles. Fasteners in the partition should be spaced 12" o.c. max. A minimum of two connections per side, top and bottom. A minimum ¾" x 20 gauge (19 x 1) flange lamination may be used in lieu of mounting angles. Refer to Sleeve Termination Supplemental Installation Instructions and Framing for Fire Dampers for further details. Ensure that attachment device does not interfere with the operation of the damper and the free movement of the damper blades.
3. All fasteners to be per UL Classified wall design.
4. See standard damper installation instruction sheets for additional details.
5. For dampers larger then 120" x 80" (3048 x 2032) double vertical studs are required.



Wall with Two Layers of Drywall



Wall with Single Layer of Drywall

For Openings ≤ 40" x 48" (1032x1218) 40" x 96" (1016x2438)

For Openings ≤ 80" x 48" (2032x1218) 40" x 96" (1016x2438)

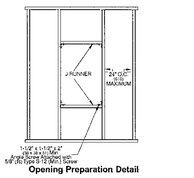
Information is subject to change without notice or obligation. **NOTE:** Dimensions in parentheses ( ) are millimeters.

POTTORFF® 5101 Blue Mound Road, Fort Worth, Texas 76106 www.pottorff.com

Fire and Fire Smoke Dampers **UMS** August 2013

POTTORFF®

metal stud framing in cavity shaftwall partitions
1½ hour — fire and combination fire smoke dampers
installation instructions



Opening Preparation Detail



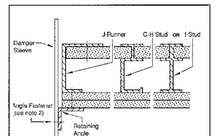
Optional Opening Preparation Detail for I-Stud Assembly

NOTES

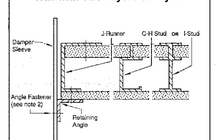
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2. Mounting angles shall be a minimum of ¾" x 1-½" tall x 20 gauge (19 x 38 x 1.0). For opening sizes ≤ 80" wide (2032), 96" high (2438), and not exceeding 26.67 square feet in area retaining angles are only required on one side of the partition and must be attached to the sleeve and the partition. For larger openings (or optional on smaller openings), 1-½" x 1-½" x 16 gauge (38 x 38 x 1.5), retaining angles are required on both sides of the partition and must be attached to the sleeve. Attachment to the sleeve shall be with No. 10 (M5) screws or bolts, ¼" (4.8) diameter steel rivets, Quick-Lock joints or welds, at 12" (305) o.c. maximum. Attachment to partition/opening shall be with min. #10 fasteners with a minimum length as follows: For metal stud and the angles under the drywall, the fasteners must be a min. ½" long. For metal stud and the angles over the drywall the fastener must be a min. ½" longer than the thickness of the drywall, i.e., if the partition has one layer of ½" drywall on the attachment side, the screws must be ½" + ½" long. The fasteners in the partition should be located such that they are ½" below the top of the 1-½" flange of the retaining angles. Fasteners in the partition should be spaced 12" o.c. max. A minimum of two connections per side, top and bottom. A minimum ¾" x 20 gauge (19 x 1) flange lamination may be used in lieu of mounting angles. Refer to Sleeve Termination Supplemental Installation Instructions and Framing for Fire Dampers for further details. Ensure that attachment device does not interfere with the operation of the damper and the free movement of the damper blades.
3. See standard damper installation instruction sheets for additional details.



CLASSIFIED SEE DETAILS ON UL CLASSIFICATION MARKING ON ENCLOSED PRODUCT CLASSIFIED
TESTED PER U.L. 555



Wall with Two Layers of Drywall



Wall with Single Layer of Drywall

Information is subject to change without notice or obligation. **NOTE:** Dimensions in parentheses ( ) are millimeters.

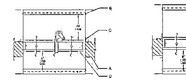
POTTORFF® 5101 Blue Mound Road, Fort Worth, Texas 76106 www.pottorff.com

Fire and Fire Smoke Dampers **UMSHCK** July 2006

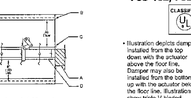
POTTORFF®

1½ hour — combination fire smoke dampers
horizontal installation instructions

The following installation details apply to models **CFS-171, CFS-172, FSD-141, FSD-142, FSD-143, FSD-151, FSD-152, FSD-171** and **FSD-172**



Horizontal Mount (Single Side Mounting Angle)



Horizontal Mount (2-sided Mounting Angles)

CLASSIFIED SEE DETAILS ON UL CLASSIFICATION MARKING ON ENCLOSED PRODUCT CLASSIFIED

* Illustration depicts damper installed from the top down with the actuator above the floor line. Damper may also be installed from the bottom up with the actuator below the floor line. Illustrations show triple-V bladed (140/170 type), steel airfoil blade (150 type) similar.

A. Concrete or masonry fire partition shown. The opening shall be a minimum of ¼" (6) with a maximum of ½" (13) larger than the overall damper and sleeve assembly size. When openings are larger than ¾" (19), but less than or equal to 6" (152) the mounting angles must be a minimum of 16 gauge (1.5) and must be wide enough to overlap the opening by a minimum of 1" (25). The damper must be installed with leading edge of closed blade within the partition.

B. For rigid type duct connections, the sleeve shall be a minimum of 16 gauge (1.5) for dampers up to 36" wide by 24" high (914 x 610) and a minimum of 14 gauge (1.9) for larger units. When lighter gauge sleeves are used, one or more of commonly used breakaway style connections are required. Refer to Sleeve Termination Supplemental Installation Instructions for further details. In no case will the sleeve gauge be less than the duct gauge to which it is connected. The damper sleeve shall not extend more than 16" (406) beyond the rated partition on the actuator side. The opposite side extension shall be a maximum of 6" (152) unless an access door is installed in the sleeve which then permits the extension to be a maximum of 16" (406).

C. Mounting angles shall be a minimum 1-½" x 1-½" x 16 gauge (38 x 38 x 1.6). Mounting angles are only required on the top side of the opening and must be attached to the sleeve at 6" (152) o.c. maximum, to the partition at 24" (610) o.c. maximum. There must be a minimum of two fasteners per side to both the sleeve and partition on all four sides. Alternately, mounting angles may be installed on both sides of the partition and must be attached only to the sleeve at 12" (305) o.c. maximum, with a minimum of two connections per side on all four sides. Attachment to the sleeve shall be with a minimum of #10 (M5) screws or bolts, ¼" (4.8) diameter steel rivets, Quick-Lock joints, or welds Attachment to the partition shall be with a minimum of #10 (M5) steel fasteners: anchors, bolts, or self-tapping masonry screws. A minimum ½" x 20 gauge (19 x 1) flange termination may be used in lieu of mounting angles. Ensure that the attachment device does not interfere with the operation of the damper and the free movement of the damper blades.

Note: If optional sealing between the mounting angle (or flange) leg and the surface of the partition, or floor and/or between the mounting angle leg and the surface of the damper sleeve is required, any of the following sealants may be used: Dow-Corning 700 or 732 or GE RTV 108 or SCS 1201 RTV These sealants must be applied such that they do not intrude into the annular space between the outside surface of the damper sleeve and the opening of the partition, or floor into which the damper/sleeve is installed. The annular space between damper sleeve and opening must not be filled with firestop materials such as fill, void, or cavity materials.

D. When joining multiple sections or fastening the damper to the sleeve, the damper shall be fastened with minimum ¼" (4.8) diameter steel rivets, Quick-Lock Joints, welds or #10 (M5) bolts or sheet metal screws at 8" (203) o.c. maximum. There must be a minimum of two connections per side, top and bottom. For FSD-151 and 152 installations more than one damper high and three dampers wide, a minimum 14 gauge x 5" (1.9 x 127) supplemental steel mullion is required. The mullion should be the same length as the opening/duct height and must be installed between the damper frames running parallel to the opening/duct height, at the center of the assembly. Support mullions should be attached to the damper frames using the same fasteners listed previously in this section.

E. A continuous bead of Dow-Corning 700 or 732, or GE RTV 108 or SCS 1201 RTV silicone rubber sealant shall be applied between the damper and the sleeve and between sections of a multiple damper assembly. Sealant is only required on one side of the damper.

F. Fire/Leakage rated dampers and qualified operators are tested together by Underwriters Laboratories and are factory installed to qualify for standard damper/operator warranties. Damper operator/actuator must be tested prior to system start-up to ensure proper operation. Before applying power to the operator/actuator, the power must be verified.

DUCT SIZES	GALVANIZED STEEL				STAINLESS STEEL	
	FSD-141, 142, 143	FSD-151, 152	FSD-171, 172	CFS-171, 172	FSD-141, 142, 143	
Maximum Single Section	36" x 48" (914 x 1219)	32" x 48" (813 x 1219)	24" x 24" (610 x 610)	12" x 12" (305 x 305)	36" x 48" (914 x 1219)	
Maximum Multiple Section	108" x 48"* (2743 x 1219)	144" x 96"* (3658 x 2438)	N/A	N/A	72" x 48" or 36" x 96"* (1829 x 1219 or 914 x 2438)	

* Individually sleeved dampers can be installed in partitions wider than the maximum U.L. multiple section size using the Support Mullion for Oversized Floor Openings. See Support Mullion for Oversized Floor Openings Installation Instructions for further details.

Information is subject to change without notice or obligation. **NOTE:** Dimensions in parentheses ( ) are millimeters.

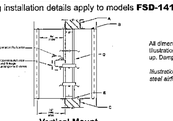
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Fire Smoke Dampers **UFSHCK** December 2009

POTTORFF®

1½ hour — combination fire smoke dampers
vertical installation instructions

The following installation details apply to models **FSD-141, FSD-142, FSD-143, FSD-151, FSD-152, FSD-152V, FSD-171** and **FSD-172**



Vertical Mount

All dimensions shown in ( ) are in millimeters. Illustration depicts damper installed vertical right side up. Damper may also be installed upside down.

Illustrations show triple-V bladed (140/170 type), steel airfoil blade (150 type) similar.

CLASSIFIED SEE DETAILS ON UL CLASSIFICATION MARKING ON ENCLOSED PRODUCT CLASSIFIED

A. Concrete or masonry fire partition shown. See Wood Stud and/or Steel Stud Framing for Fire Dampers In Drywall and/or Cavity Shaftwall Partitions Supplemental Installation Instructions for further vertical mount installation details. The opening shall be a minimum of ¼" (6) with a maximum of ¾" (19) larger than the overall damper and sleeve assembly size. When openings are larger than ½" (16), but less than 6" (152) the mounting angles must be a minimum of 16 gauge (1.5) and must be tall enough to overlap the opening by a minimum of 1" (25). Damper must be installed with leading edge of closed blade within the partition.

B. For rigid type duct connections, the sleeve shall be a minimum of 16 gauge (1.5) for dampers up to 36" wide by 24" high (914 x 610) and 14 gauge (1.9) for larger units. When lighter gauge sleeves are used, one or more of commonly used breakaway style connections are required. Refer to Sleeve Termination Supplemental Installation Instructions for further details. In no case will the sleeve gauge be less than the duct gauge to which it is connected. Damper sleeve shall not extend more than 16" (406) beyond the rated partition on the actuator side. The opposite side extension shall be a maximum of 6" (152) unless an access door is installed in the sleeve which then permits the extension to be a maximum of 16" (406).

C. Mounting angles shall be a minimum of ¾" x 1-½" tall x 20 gauge (19 x 38 x 1.0). For opening sizes ≤82" wide (2032), 96" tall (2438) and not exceeding 26.67 square feet (2.48 square meters) mounting angles are required on only one side of the partition and must be attached to the sleeve and the partition. For larger openings (or optional on smaller openings) 1-½" x 1-½" x 16 gauge (38 x 38 x 1.5) mounting angles are required on both sides of the partition and must be attached to the sleeve only. Attachment to the sleeve shall be with a minimum of #10 (M5) screws or bolts, ¼" (4.8) diameter steel rivets, Quick-Lock joints, or welds at 12" (305) o.c. maximum. Attachment to the partition/opening shall be with minimum #10 (M5) fasteners with a minimum length as follows: For metal studs and the angles under the drywall, the fasteners must be a minimum of ½" (12.7) long. For metal stud and the angles over the drywall the fastener must be a minimum of ½" (12.7) longer than the thickness of the drywall, i.e., if the partition has one layer of ½" (13) drywall on the attachment side, the screws must be ½" + ½" (12.7 + 13) = 25.4 (long. For wood stud openings, the minimum length is 1-½" (38) longer than the thickness of the drywall on the attachment side. For concrete or masonry openings, the anchors must be a minimum of #10 (M5) fasteners: screws, bolts or self-tapping masonry screws. Fasteners in the partition should be spaced at 12" (305) o.c. maximum. There must be a minimum of two connections per side on all four sides. A minimum of ¾" x 20 gauge (19 x 1) flange lamination may be used in lieu of mounting angles. Refer to Sleeve Termination Supplemental Installation Instructions and Framing for Fire Dampers for further details. Ensure that the attachment device does not interfere with the operation of the damper and the free movement of the damper blades.

Note: If optional sealing between the mounting angle (or flange) leg and the surface of the damper sleeve is required, any of the following sealants may be used: Dow-Corning 700 or 732 or GE RTV 108 or SCS 1201 RTV These sealants must be applied such that they do not intrude into the annular space between the outside surface of the damper sleeve and the opening of the partition, wall or floor into which the damper/sleeve is installed. The annular space between damper sleeve and opening must not be filled with firestop materials such as fill, void, or cavity materials.

D. When joining multiple sections or fastening the damper to the sleeve, the damper shall be fastened with ¼" (4.8) diameter steel rivets, Quick-Lock Joints, welds or #10 (M5) bolts or sheet metal screws at 8" (203) o.c. maximum. There must be a minimum of two connections per side, top and bottom. For vertical installations >198" wide x 96" high (2743 x 2438), a minimum 14 gauge x 5" wide (1.9 x 127) supplemental steel mullion is required. The mullion must be the same length as the opening/duct height. The mullion must be installed between the damper frames running parallel to the opening/duct height, at the center of the assembly. Supplemental support mullions should be attached to the damper frames using any of the same fasteners indicated previously in this section.

E. A continuous bead of Dow-Corning 700 or 732, or GE RTV 108 or SCS 1201 RTV silicone rubber sealant shall be applied between the damper and the sleeve and between sections of a multiple damper assembly. Sealant is only required on one side of the damper.

F. Fire/Leakage rated dampers and qualified operators are tested together by Underwriters Laboratories and are factory installed to qualify for standard damper/operator warranties. Damper operator/actuator must be tested prior to system start-up to ensure proper operation. Before applying power to the operator/actuator, the power must be verified.

DUCT SIZES	GALVANIZED STEEL				STAINLESS	
	FSD-141, 142, 143	FSD-151, 152	FSD-151V, 152V	FSD-171, 172	FSD-141, 142, 143	
Maximum Single Section	36" x 48" (914 x 1219)	32" x 48" (813 x 1219)	48" x 32" (1219 x 813)	24" x 24" (610 x 610)	36" x 48" (914 x 1219)	
Maximum Multiple Section	144" x 96" (3658 x 2438)	144" x 96" (3658 x 2438)	48" x 64" (1219 x 1626)	N/A	72" x 48" or 36" x 96" (1829 x 1219 or 914 x 2438)	

The above information for dampers installed in a vertical fire separation pertains to those where the damper blades are horizontal. However, as an exception, if the dampers are Model PSD-141 and are 5" (152) wide by 6" (152) high, they may be installed with the blades in a vertical orientation. All other installation details are as outlined above except that the mounting angle on the top of the damper sleeve needs only to be a minimum of ¾" (19) tall.

Information is subject to change without notice or obligation. **NOTE:** Dimensions in parentheses ( ) are millimeters.

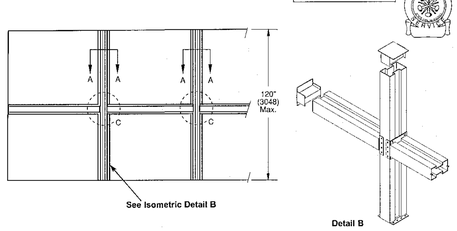
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Fire Smoke Dampers **UFSHCK** August 2013

POTTORFF®

steel mullion
support mullion for dampers in oversized wall openings
installation instructions

CLASSIFIED SEE DETAILS ON UL CLASSIFICATION MARKING ON ENCLOSED PRODUCT CLASSIFIED



General Installation

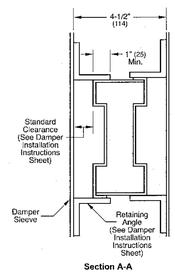
Fabricate mullions of 16 gauge (1.6) galvanized steel (Construction Details fig. 1). Two mullion pieces are joined with ¼" (5) diameter steel pop rivets or ½" (19) long welds located 6" (152) maximum from each end and 12" (305) o.c. maximum. The mullions should permit clearance between the mullion and top cap. Required clearance is ¼" (3) per foot (305) of wall opening height. Maximum permitted clearance is 1-¼" (32). (**eg.,** for 8' (2440) high opening, the permitted clearance is– ¼" per foot x 8' = 1" to 1-¼" (3.2 per 305 x 8 = 25 to 32).

Fabricate two caps per each mullion of 12 gauge (3) galvanized steel (Construction Details fig. 2). top and bottom caps must permit mullion to overlap each cap by minimum 3" (76). Cap height is calculated by adding 3" (76) to permitted mullion expansion clearance which is ¼" (3) per foot (305) of wall opening height.

Insert mullion caps into mullion end allowing mullion to float between the caps. DO NOT fasten mullion to caps in any way. Locate within opening to provide correct expansion clearance for dampers.

(8) Tapcon 1/4" Ø Flathead Screws. Min. Embed 1-1/2" ICC ESR 2202 at top and bottom mullion cap

If steel inlets are present, four 1" (25) welds (two per mullion cap leg) may be used to anchor each mullion cap.



Section A-A

Note: Underwriters Laboratories does not recognize steel support mullions for use with dynamic fire dampers.

Information is subject to change without notice or obligation. **NOTE:** Dimensions in parentheses ( ) are millimeters.

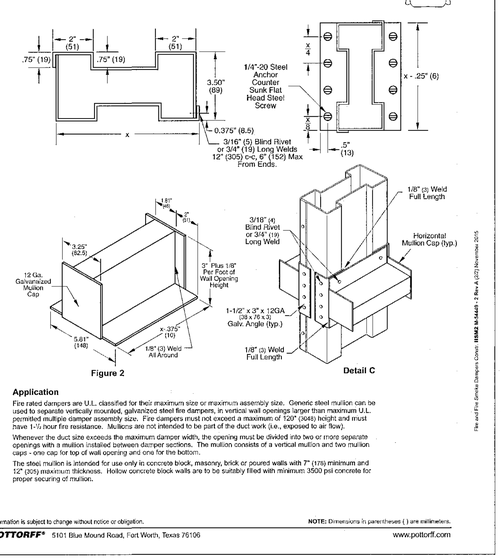
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Fire and Fire Smoke Dampers Detail **UFSHCK SS-54453-1** February 2015

POTTORFF®

steel mullion
support mullion for dampers in oversized wall openings
construction details

CLASSIFIED SEE DETAILS ON UL CLASSIFICATION MARKING ON ENCLOSED PRODUCT CLASSIFIED



Application

Fire rated dampers are U.L. classified for their maximum size or maximum assembly size. Generic steel mullion can be used to separate vertically mounted, galvanized steel fire dampers, in vertical wall openings larger than maximum U.L. permitted multiple damper assembly size. Fire dampers must not exceed a maximum of 120" (3048) height and must have 1-½ hour fire resistance. Mullions are not intended to be part of the duct work (i.e., exposed to air flow).

Whenever the duct size exceeds the maximum damper width, the opening must be divided into two or more separate openings with a mullion installed between damper sections. The mullion consists of a vertical mullion and two mullion caps - one cap for top of wall opening and one for the bottom.

The steel mullion is intended for use only in concrete block, masonry, brick or poured walls with 7" (178) minimum and 12" (305) maximum thickness. Hollow concrete block walls are to be suitably filled with minimum 3500 psi concrete for proper securing of mullion.

Information is subject to change without notice or obligation. **NOTE:** Dimensions in parentheses ( ) are millimeters.

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Fire and Fire Smoke Dampers Detail **UFSHCK SS-54453-1** Rev A (02) November 2015

1
M5.02
FIRE SMOKE DAMPER DETAILS
SCALE: NO SCALE

3
M5.02
FIRE SMOKE DAMPER MULLION DETAILS
SCALE: NO SCALE

HILTI Product information

High-performance intumescent firestop sealant FS-ONE MAX

Applications
- For effectively sealing most common through penetrations in a variety of base materials
- For use on concrete, masonry and drywall
- Mixed and multiple penetrations
- Metal pipe penetrations: copper, steel and EMT
- Insulated metal pipe penetrations: steel and copper
- Plastic pipe penetrations: closed or vented

Advantages
- US-produced: "Buy American" compliant
- One product for a variety of common through penetrations
- Cost-effective, easy-to-use solution
- Water-based and paintable
- Industry-leading VOC results
- Ethylene glycol-free



Technical data	Value
Chemical basis	Water-based acrylic dispersion
Approx. Density	84.3 lb/ft³
Color	Red
Application temperature range	41 - 104 °F
Approx. cure time*	4 mm/3 days
Temperature resistance range	-4 to 212 °F
Mold and mildew performance	Class 0 (ASTM G21-96)
Mold and mildew resistance	Yes
Surface burning characteristics UL 723 (ASTM E84)	Flame spread: 0 Smoke development: 10
Tested in accordance with	UL 1479, ASTM E814, ASTM E84, CAN/ULC S115, ASTM G21, ASTM E90
California State fire marshal approval	CSFM Listing 7485-1220:0108 for FS-ONE MAX Intumescent Firestop Sealant
Expansion ratio (unrestricted, up to)	1:5

* at 75°F/24°C, 50% relative humidity



Order Designation	Package Content	Item number
FS-ONE MAX 20oz foil (3 cans + disp)	1x Foil pack dispenser manual CS 270 P1, 75x Firestop sealant FS-ONE MAX 20 oz foil	3630052
FS-ONE MAX 20oz tube (1 case)	12x Firestop sealant FS-ONE MAX, 20 oz cartridge	3630049
FS-ONE MAX 5 gallon (10 pails)	10x Firestop sealer FS-ONE MAX 5 gallon pail	3630050
FS-ONE MAX 20oz foil (1 case)	12x Firestop sealant FS-ONE MAX 20 oz foil	3630056
FS-ONE MAX 20oz foil (3 cases)	75x Firestop sealant FS-ONE MAX 20 oz foil	3630051
FS-ONE MAX 20oz Foil Pallet	600x FSONE MAX 20 oz foil, 250x Bulk Shipping Container	3654713
FS-ONE MAX 10 oz cartridge		2101531
FS-ONE MAX 5 gallon pail		2101532

12/16 (US)

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2
M5.02
FIRE CAULKING
SCALE: NO SCALE

CONSULTANT

AE Group
Mechanical Engineers, Inc.
838 East Front Street
Ventura, California 93001
(805) 653-1722 FAX: (805) 653-7260
email: hugh@aegroupme.com

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IDENTIFICATION STAMP
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DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JORGE AMADOR C-26345 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. MCTERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

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AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

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7075 CAMPUS RD,
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BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

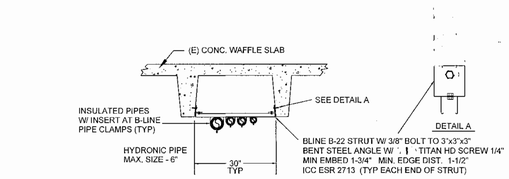
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	CHECK: HM/PW
	JOB NO:

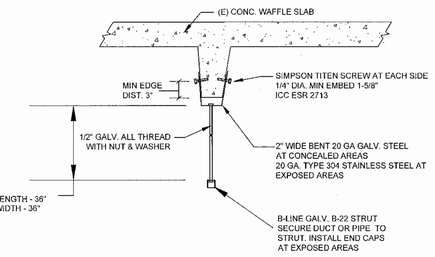
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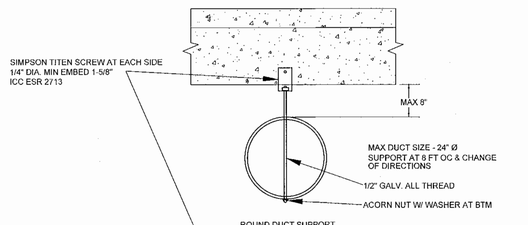
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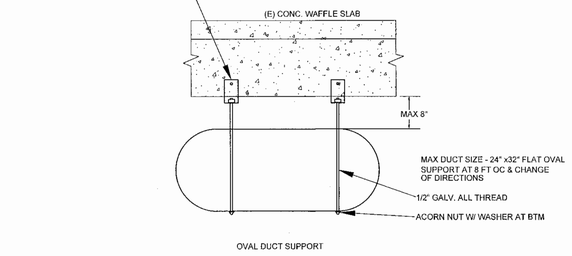
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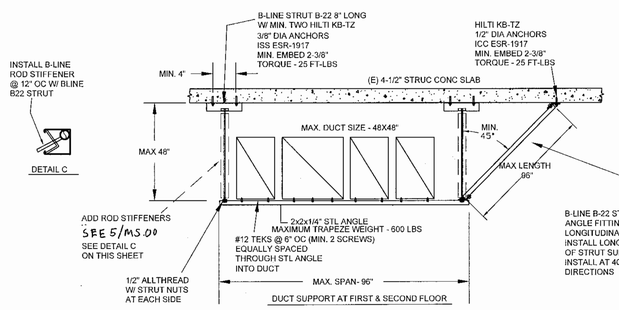


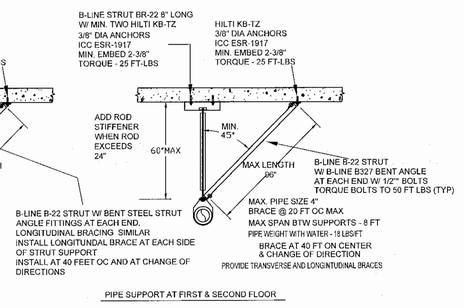


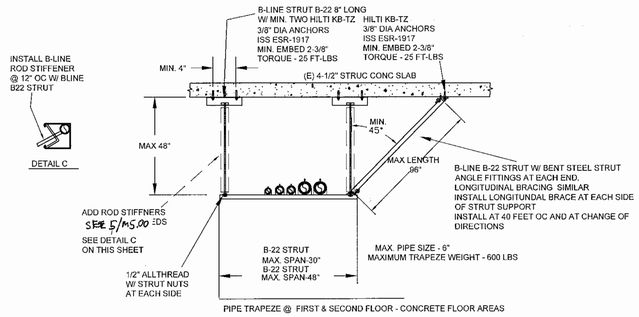


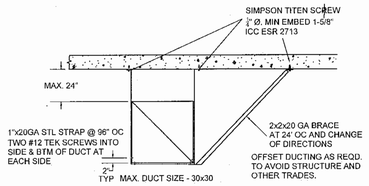


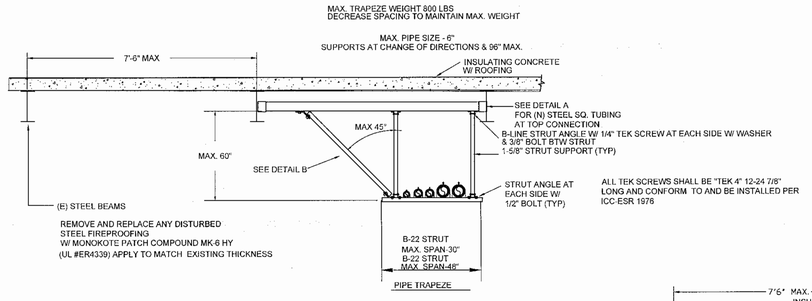
2 M5.03 DUCT SUPPORT AT PRE-CAST DECK @ EXPOSED AREAS
SCALE: NO SCALE

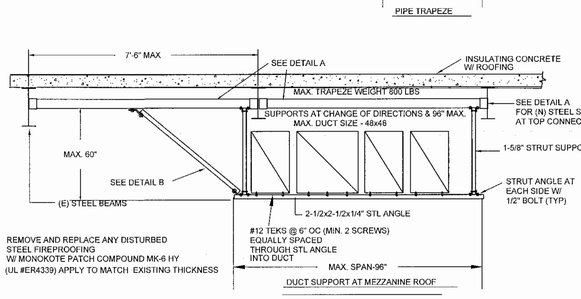


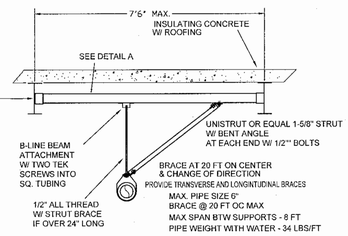


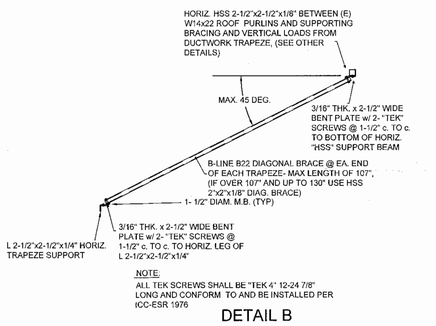


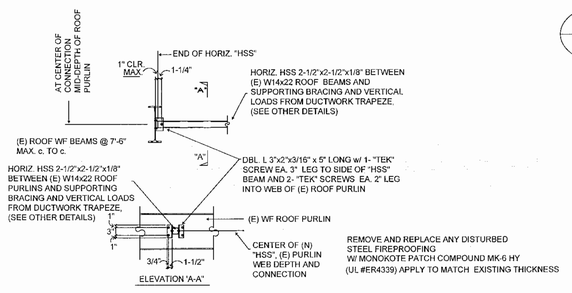




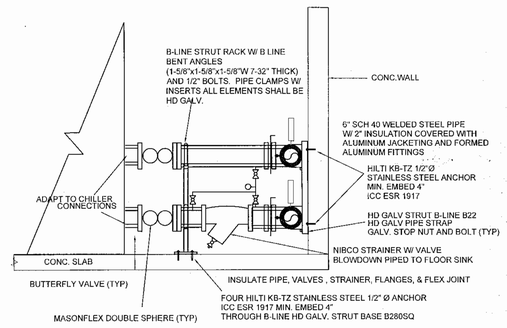




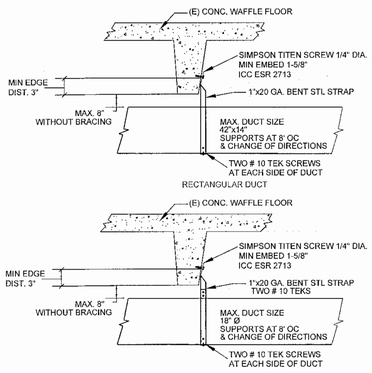




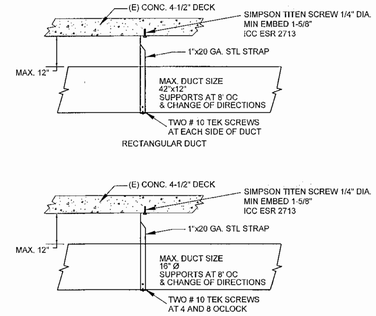
3 M5.03 DUCT SUPPORT DETAILS
SCALE: 1/2"=1'-0"



4 M5.03 CHILLER PIPE SUPPORTS
SCALE: 1/2"=1'-0"



5 M5.03 RECTANGULAR - ROUND DUCT SUPPORT AT CONCEALED AREAS
SCALE: 1/2"=1'-0" WAFFLE SLAB



6 M5.03 RECTANGULAR - ROUND DUCT SUPPORT AT CONCEALED AREAS
SCALE: 1/2"=1'-0" CONCRETE DECK

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AMADOR WHITTLE
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(805) 530-3938 , (818) 874-0071

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FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS ZM SS ___
DATE 06-19-18

LICENSED ARCHITECT WILLIAM VINCE WHITTLE C-26554 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. METERAIN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

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MECHANICAL DETAILS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

M5.03
___ OF ___

SEE M6.02 FOR CONT.

SEE M3.02 FOR CONT.

(E) LOUVER TO REMAIN (TYP)

AH 1 — 12,000 LBS

(E) 30x6 RELIEF

1" LINED DUCT RAG 30x6

(E) 12x12 RETURN

7 M5.01 TYP OF 3

AS 2 — 429 LBS

BFP 2 / PR 2 / P 2A / P 2B — 198 LBS EACH

SEE HYDRONIC PIPING DIAGRAM 2/M5.01

5 M5.01

2" HWS & HWR TO BOILER CLEAR, SEE 2/M5.01 CLEARANCE AREA

40"x30" VOLUME DAMPER POTTORFF MD42

TO BOILER SYSTEM 2 M5.01 TYP OF 3

B 1A — 555 LBS

B 1B — 555 LBS

2 M5.00

B 1C — 555 LBS

FROM BOILER SYSTEM

ET 1J — 687 LBS

CT 2 — 50 LBS

3 M5.01

FSD 1R

POINT OF CONNECTION TO (E) DUCTING

SEE M3.02 FOR DUCTING IN THIS AREA

40"X30"

40"x30" SUPPLY

DOMESTIC WATER BOILERS (TWO) PROVIDE AND INSTALL FLUES FOR DOMESTIC HOT WATER BOILERS. SEE PLUMBING DRAWINGS

7 M5.01 TYP OF TWO

EXHAUST 1946S cfm 48X28

2-1/2" CHS & CHR 1-1/2" HWS & HWR

18X18 2510 CFM

18X10 1200 CFM

18X12

INDICATES 1HR PARTITION - SEE ARCH. PLANS

HATCH LEGEND
2 HOUR WALL OR SHAFT TOP
SMOKE PARTITION SP-2

3/4" CHS & CHR

RETURN 30X26 -7500 CFM

TRANSITION UP

TRANSITION DWN

18X18 2400 CFM

EXHAUST 32X28 -8965 CFM

SEE DETAILS FOR SUPPORT AT SHAFT

10 M5.00 / 11 M5.00

2 M6.01

3/4" CHS, CHR, HWS, HWR

3/4" CHS & CHR

3/4" HWS & HWR

FIRE CAULK PIPE PENETRATIONS

32x28 EXH FRM BLW

14x20 RETURN FRM BLW

30X24 7500 CFM

18X12 1310 CFM

2" CHS & CHR 1-1/2" HW & HWR

FC 3 — 467 LBS

3 M6.04 FC 3

5 M6.04 FC 5 — 835 LBS

2" LINED PLENUM

16"x22" OPENING AT FLR LVL

FSD 1X

FSD 1Y

FSD 1W

32x28 34x30 OPENING

28"x26" OPENING 18x24 DWN

FIRE CAULK PIPE PENETRATIONS AT RATED WALL (TYP)

SEE M3.01 FOR CONT.

1" CHS & CHR

TWO HOUR RATED SHAFT STARTS AT FLOOR LEVEL

1-1/2" CHS & CHR

CHR TO FC-3
& HWR TO FC-3

S & CHR DWN
HWR DWN

CHR TO FC-4
& HWR TO FC-4

3 M5.01

4 M6.04 FC 4 — 349 LBS

1-1/4" CHS & CHR 1" HW & HWR

18x18 SUPPLY BELOW 18x18 RETURN ABOVE

20"X20" OPENING

3 M6.01

FSD 1S / FSD 1T

2 M6.01 / 4 M6.01

FSD 1AS / FSD 1AT

GYM RETURN & EXHAUST DUCT ABV

FSD 1U / FSD 1V

4 M6.01

1 MEZZANINE MECHANICAL PLAN - NORTH AREA
SCALE 1/2" = 1'-0"

NORTH

(E) ROOF

16 GA. SHEET METAL MULLION PER DETAIL 3/M5.02

FSD 1AS / FSD 1AT

(E) 60x24 OPENING

EXHAUST DUCT 28"x24"

RETURN DUCT 28"x24"

FOUR (N) 20x20 OPENINGS

FSD 1T / FSD 1U / FSD 1S / FSD 1V

1'-2" / 1'-2" / 1'-2" / 1'-4" / 4'-8½"

3 WALL OPENINGS AT GRIDLINE H
SCALE 1/2" = 1'-0"

B-LINE STRUT BRACE TO WALL W/ 3/8"Ø HILTI KB-TZ ANCHOR MIN. EMBED 4"

ENLARGE EACH DUCT INLET TO 28"Wx42"H W/ (N) 1/2" (#2) MESH GALV WELDED SCREEN (16 GA. WIRE) AT RETURN INLET

30x24

FSD 1AT / FSD 1AS

30x24 -7500 CFM

28X24

30x24 -7500 CFM

28X24

DUCT SUPPORT - SEE 4/M6.01

(E) 60x24 OPENING VERIFY

2 UPPER DUCTING PLAN
SCALE 1/2" = 1'-0"

B-LINE STEEL ANGLE (1-5/8"x1-5/8"x1-5/8"W 7-32" THICK) W 3/8" BOLT TO STRUT & HILTI KB-TZ 1/2" Ø ANCHOR MIN. EMBED 4" ICC ESR 1917

INSTALL FIRE SMOKE DAMPER PER LISTING (TYP)

B-LINE B-22 STRUT

(E) ROOF

B-LINE BEAM CLAMP BC70

FSD 1AT / FSD 1AS / FSD 1T — EXHAUST RETURN

ENLARGE DUCT INLET (RETURN & EXHAUST) TO 28"Wx42"H W/ (N) 1/2" (#2) MESH GALV WELDED SCREEN (16 GA. WIRE)

5/8" ALLTHREAD WITH B LINE B22 STRUT AT DUCTS. SECURE DUCTS TO STRUT W/ 2x2x2 20 GA STL ANGLE 3/8" BOLT TO STRUT & TWO #12 TEK SCREWS INTO DUCTING

B-LINE STEEL ANGLE (1-5/8"x1-5/8"x1-5/8"W 7-32" THICK) W 3/8" BOLT TO STRUT & HILTI KB-TZ 1/2" Ø ANCHOR MIN. EMBED 4" ICC ESR 1917 TO CONC. WALL (TYP)
SEE M3.01 FOR CONT.

FSD 1S

(E) 8" CONC. WALL

VANES (TYP)

INSULATED DUCT TO REST ON JOISTS

2X2X20 GA STL ANGLE AT EACH SIDE OF DUCT TWO #12 TEK SCREWS INTO STEEL JOIST FACE AND TWO #12 TEK INTO EACH SIDE OF DUCTING SUPPORT @ 8 FT OC AND AT CHANGE OF DIRECTIONS (TYP)

4 SECTION
SCALE 1/4" = 1'-0"

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT — WILLIAM JOHN WHITTLE — C-20348 — RENEWAL DATE JANUARY 31, 2019 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — HUGH A. McTEAGUE — M030626 Ren. 6/30/18 — MECHANICAL — STATE OF CALIFORNIA

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(805) 530-3938 , (818) 874-0071

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93021

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MEZZANINE MECHANICAL PLAN - NORTH AREA

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M6.01

___ OF ___

SEE M6.03 FOR CONT.

2-1/2" CHILLED & 2" HOT WATER DWN TO COIL CONNECTIONS

9 M6.05

4" CHS & CHR
3" HW & HWR

AHU

EXHAUST
44x24
-12,290 CFM

24X14

AH 3
6,500 LBS

RETURN
30X26
-7500 CFM

2-1/2" CHILLED & 1-1/2" HOT WATER DWN TO COIL CONNECTIONS

OFFSET DWN FOR PIPING CLEARANCE

(E) LOUVER TO REMAIN (TYP)

48x28 DOA DWN

9 M5.01

SS 1
153 LBS

REFRIG. LINESET & CONTROL CONDUIT

2-1/2" CHS & CHR
4" HW & HWR

EXHAUST
44"x24"
-12,290 CFM

48x28 DOA
14,415 CFM

AHU 4
6,200 LBS

42x32

2" CHS & CHR TO AHU-4
1-1/2" HWS & HWR TO AHU-4

42x42 CONDITIONED OUTSIDE AIR DUCT BELOW

FIRE CAULK PIPE PENETRATIONS
REFRIGERANT LINESET DOWN

44"x44" OPENING
FSD 1AA
AT FLOOR LEVEL

42"x42" CONDITIONED OUTSIDE AIR DWN
15,585 CFM

TWO HOUR RATED SHAFT STARTS AT FLOOR LEVEL

SEE DETAILS FOR SUPPORT AT SHAFT

11 M5.00

48X36 DWN
15,585 CFM

2-1/2" CHS & CHR
4" HW & HWR

48x48

48x48 DWN
30,000 CFM

48x48 UP
30,000 CFM

(E) FAN TO REMAIN

54X30

POTTORFF MD42
40"x30" VOLUME DAMPER

FSD 1P

POINT OF CONNECTION TO (E) DUCTING

40"X30"

40"x30" SUPPLY

SEE M3.02 FOR CONT.

HATCH LEGEND
2 HOUR WALL OR SHAFT TOP
SMOKE PARTITION

← INDICATES 1HR PARTITION - SEE ARCH. PLANS

FSD 1Q

1" LINED DUCT
RAG 30x6

(E) 30"x6" RELIEF

POINT OF CONNECTION TO (E) DUCTING

40"X30"

POTTORFF MD42
40"x30" VOLUME DAMPER
PROVIDE REMOTE DAMPER ADJUSTMENT

(E) 30x6 RELIEF

1" LINED DUCT
RAG 30x6

SEE M6.01 FOR CONT.

NORTH

1 MEZZANINE MECHANICAL PLAN - MIDDLE AREA
SCALE 1/2" = 1'-0"

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT HUGH A. MCTERNAN No. C-20548 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. MCTERNAN M030626 Ren. 6/30/19 MECHANICAL STATE OF CALIFORNIA

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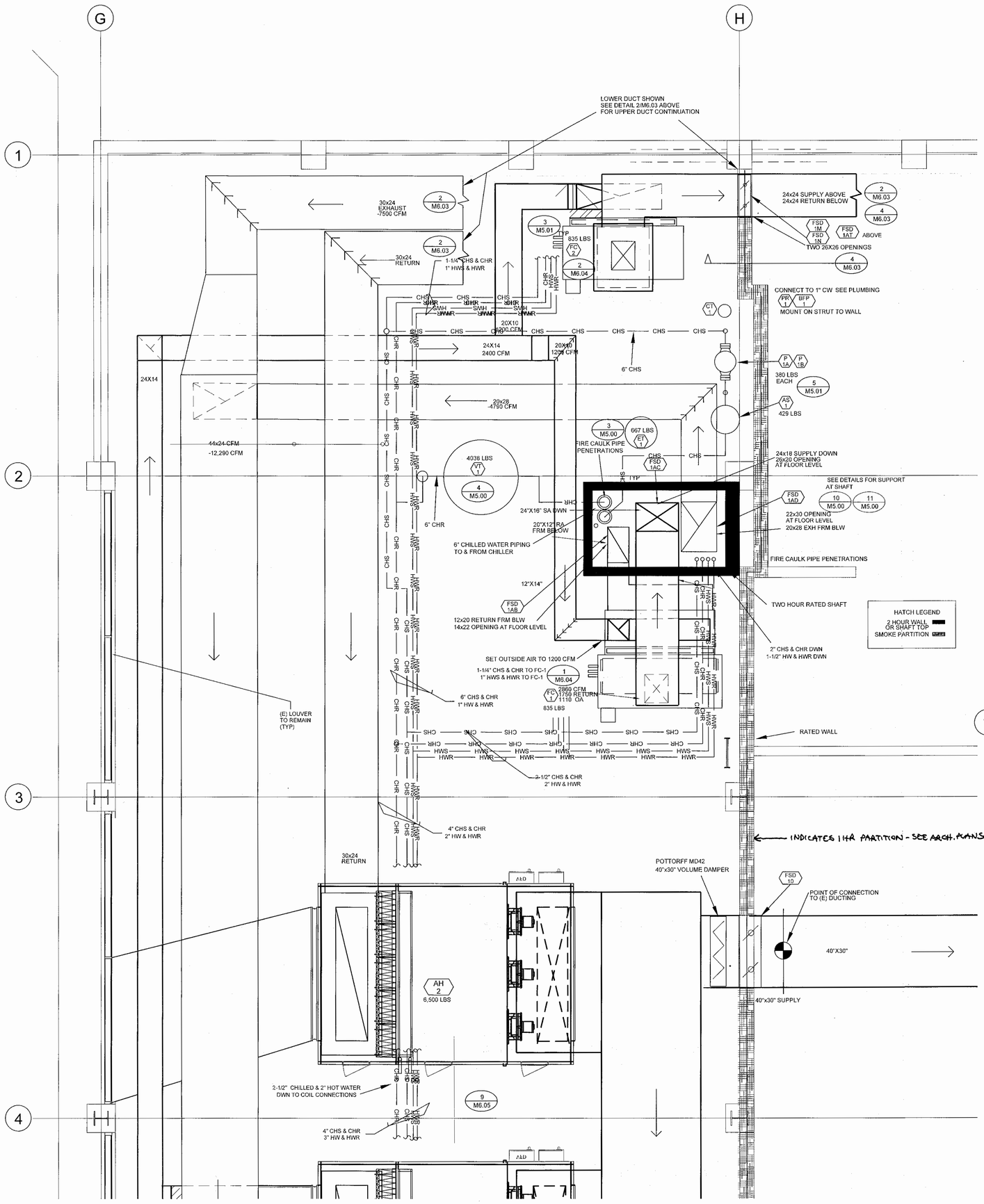
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MEZZANINE MECHANICAL PLAN - MIDDLE AREA

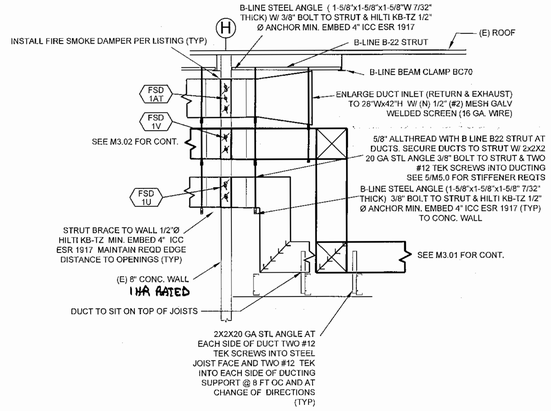
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M6.02

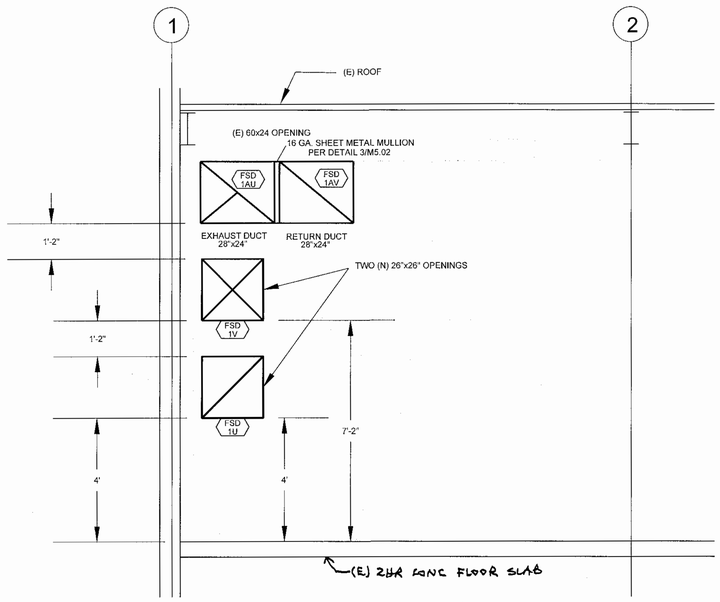
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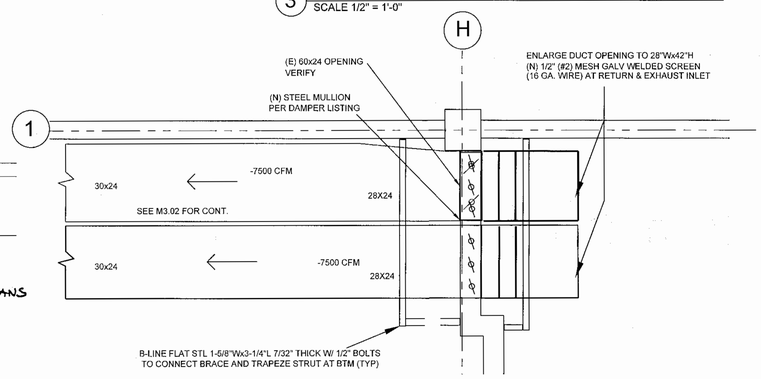
1 MEZZANINE MECHANICAL PLAN - SOUTH AREA
SCALE 1/2" = 1'-0"



4 SECTION
SCALE 1/4" = 1'-0"



3 WALL OPENINGS AT GRIDLINE H
SCALE 1/2" = 1'-0"



2 UPPER DUCTING PLAN
SCALE 1/2" = 1'-0"

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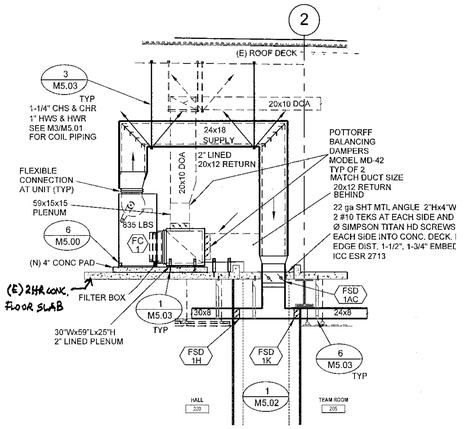
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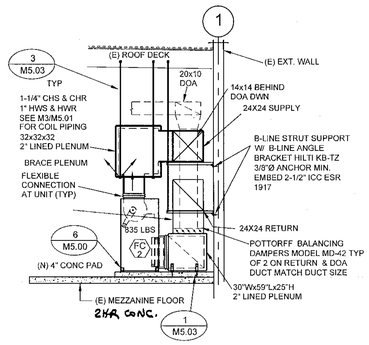
MEZZANINE MECHANICAL PLAN - SOUTH AREA

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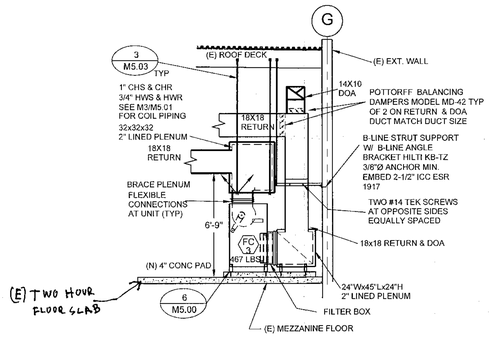
M6.03
OF



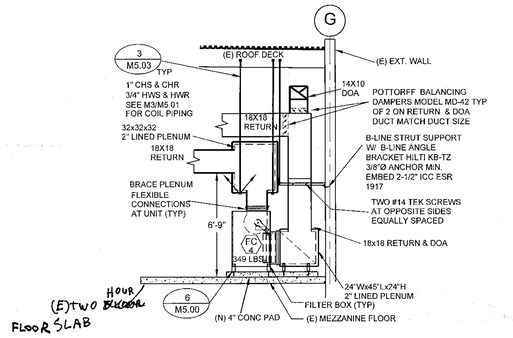
1 M6.04 FC-1 DETAIL
SCALE: 1/4"=1'-0"



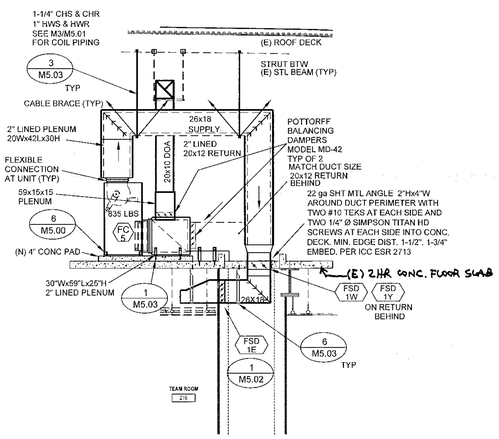
2 M6.04 FC-2 DETAIL
SCALE: 1/4"=1'-0"



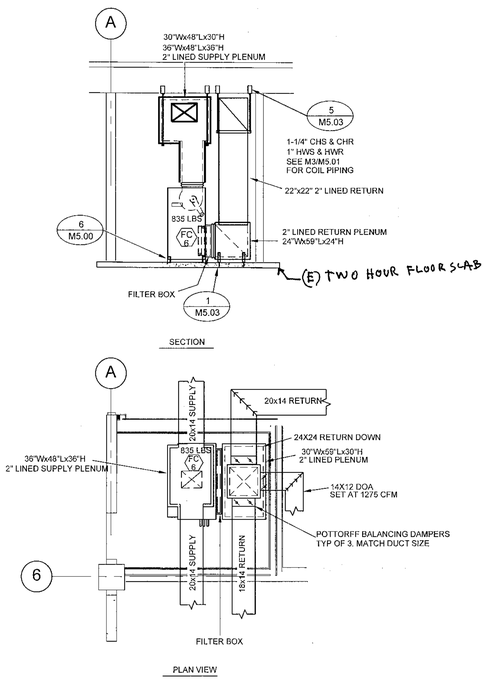
3 M6.04 FC-3 DETAIL
SCALE: 1/4"=1'-0"



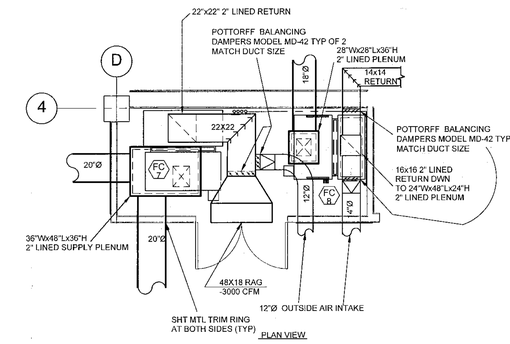
4 M6.04 FC-4 DETAIL
SCALE: 1/4"=1'-0"

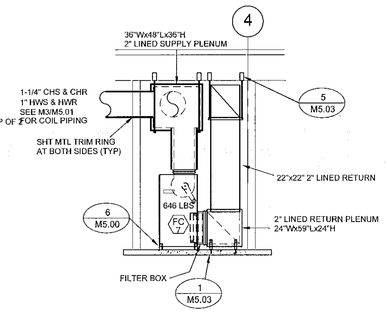


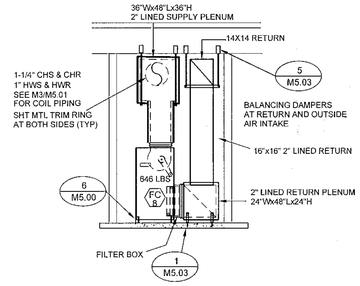
5 M6.04 FC-5 DETAIL
SCALE: 1/4"=1'-0"



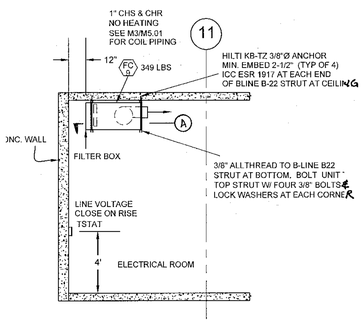
6 M6.04 FC-6 DETAIL
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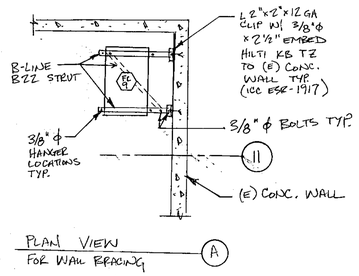






7 M6.04 FC-7 & 8 DETAILS
SCALE: 1/4"=1'-0"





8 M6.04 FC-9 DETAILS
SCALE: 1/4"=1'-0"

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BACKCHECK SUBMITTAL

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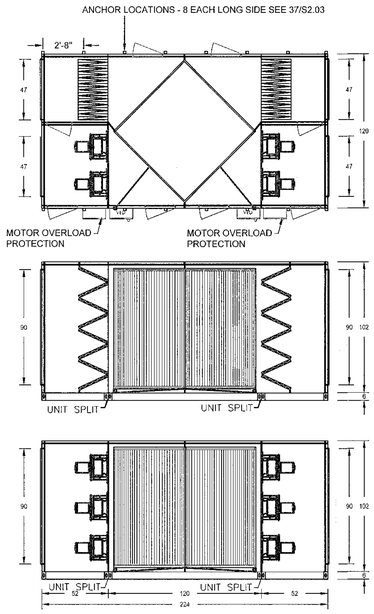
REVISIONS	DATE: 03/26/18
	DRAWN: HM/JS
	CHECK: HM/PW
	JOB NO:

MECHANICAL FAN COIL DETAILS

M6.04

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

___ OF ___



AHU-1

31,000 CFM @ 3.19"TSP SUPPLY 1.5" ESP
31,000 CFM @ 2.93"TSP RETURN 1.5" ESP

SUPPLY AIR BLOWER:

QTY OF 6:
ZIEHL ABEGG: MODEL GR45C-4DM
5167 CFM @ 3.19 TSP 2243 RPM; 3.84 BHP;
WITH 5.0 HP ODP PREMIUM EFF MOTOR; 460/3/60

RETURN AIR BLOWER:

QTY OF 6:
ZIEHL ABEGG: MODEL GR45C-4DM
5167 CFM @ 2.93 TSP 2204 RPM; 3.58 BHP;
WITH 5.0 HP ODP PREMIUM EFF MOTOR; 460/3/60

PLATE TYPE HEAT EXCHANGER:

HEATEX MODEL : H2000

AIR FILTERS:

2" THICK, 30% EFF
PLEATED FILTERS

APPROX UNIT WEIGHT:

SECTION 1 : 3,525 LBS

SECTION 2 : 4,250 LBS

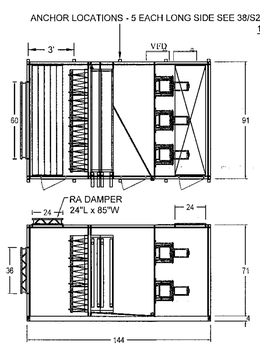
SECTION 3 : 3,525 LBS

APPROX UNIT TOTAL :
11,300 LBS

AIR FLOW MONITORING STATION

INSTALL AT OUTSIDE AIR OUTLET AND EXHAUST AIR OUTLET

1 / M6.05 — AHU #1 DETAILS
SCALE 1/4"=1'0"



AHU-2 & AHU-3

16,000 CFM @ 4.61" TSP SUPPLY, 2.0" ESP

SUPPLY AIR BLOWER:

QTY OF 6:
ZIEHL ABEGG: MODEL # GR35C-2DM
2667 CFM @ 4.61 TSP 2948 RPM; 2.76 BHP;
WITH 5.0 HP ODP PREMIUM EFF MOTOR; 460/3/60

CHW COIL:

QTY OF 2 :
60"FH x 77" FL, 10 FINS / 6 ROWS,
ALUMINUM FINS, COPPER TUBES , GALVANIZED
CASING. 2.5" CONNECTIONS

HW COIL:

QTY OF 2 :
60"FH x 77" FL, 11 FINS / 2 ROWS,
ALUMINUM FINS, COPPER TUBES , GALVANIZED
CASING 2" CONNECTIONS

AIR FILTERS:

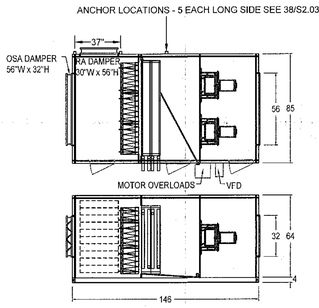
PRE FILTERS: 2" THICK, 30% EFF PLEATED FILTERS

FINAL FILTERS: 12" THICK, 95% EFF PLEATED FILTERS

APPROX UNIT WEIGHT:

APPROX UNIT WEIGHT : 6,000 LBS

2 / M6.05 — AHU 2&3 DIMENSIONS
SCALE 1/4"=1'0"



AHU-4

12,820 CFM @ 4.15" TSP SUPPLY, 2.0" ESP

SUPPLY AIR BLOWER:

QTY OF 2:
ZIEHL ABEGG: MODEL # GR50C-4DM
6410 CFM @ 4.15 TSP 2107 RPM; 5.92 BHP;
WITH 7.5 HP ODP PREMIUM EFF MOTOR; 460/3/60

CHW COIL:

51"FH x 72" FL, 6 FINS / 4 ROWS,
ALUMINUM FINS, COPPER TUBES , GALVANIZED
CASING. 2" CONNECTION

HW COIL:

51"FH x 72" FL, 11 FINS / 2 ROWS,
ALUMINUM FINS, COPPER TUBES , GALVANIZED
CASING. 2" CONNECTION

AIR FILTERS:

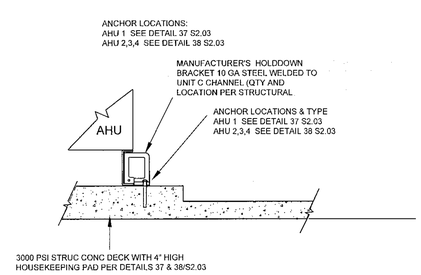
PRE FILTERS: 2" THICK, 30% EFF PLEATED FILTERS

FINAL FILTERS: 12" THICK, 95% EFF PLEATED FILTERS

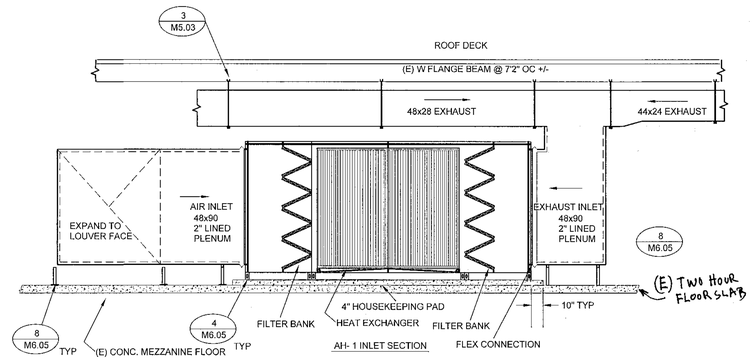
APPROX UNIT WEIGHT:

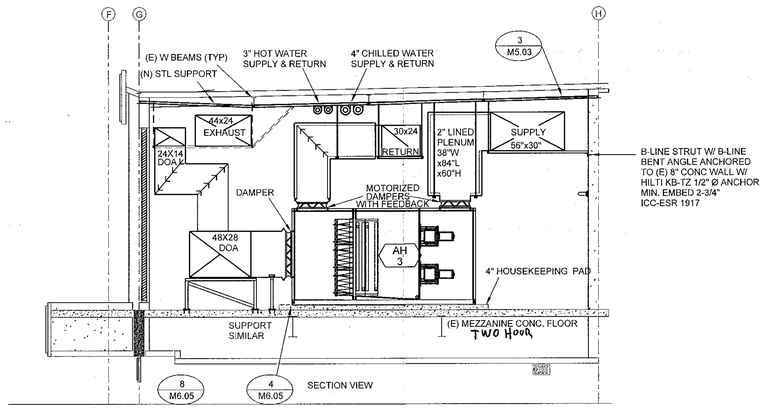
APPROX UNIT WEIGHT : 4,500 LBS

3 / M6.05 — AHU #4 DIMENSIONS
SCALE 1/4"=1'0"

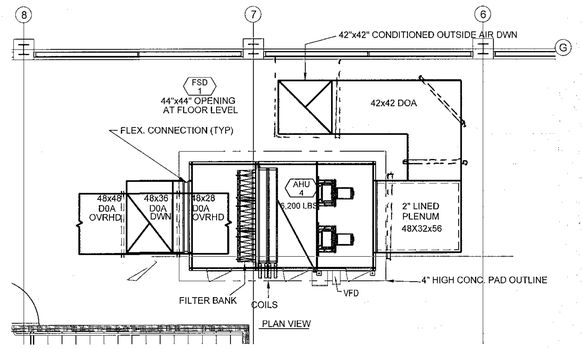


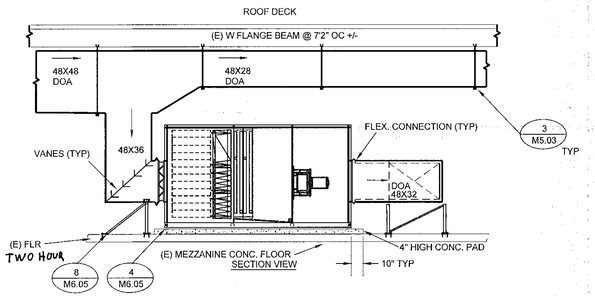
4 / M6.05 — AHU ANCHOR DETAILS
SCALE NO SCALE



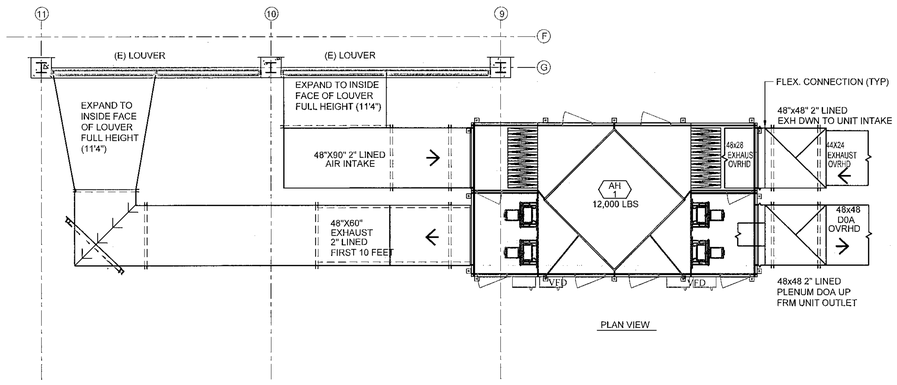


6 / M6.05 — AH #3 DETAIL
SCALE 1/4"=1'0"

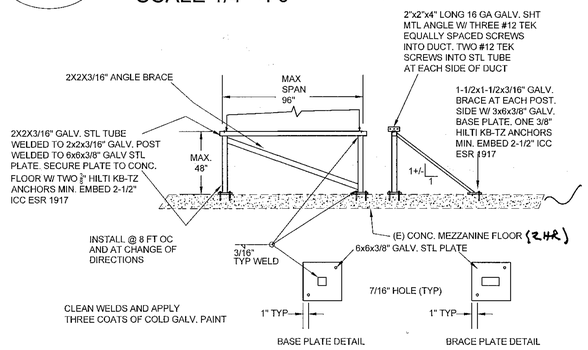




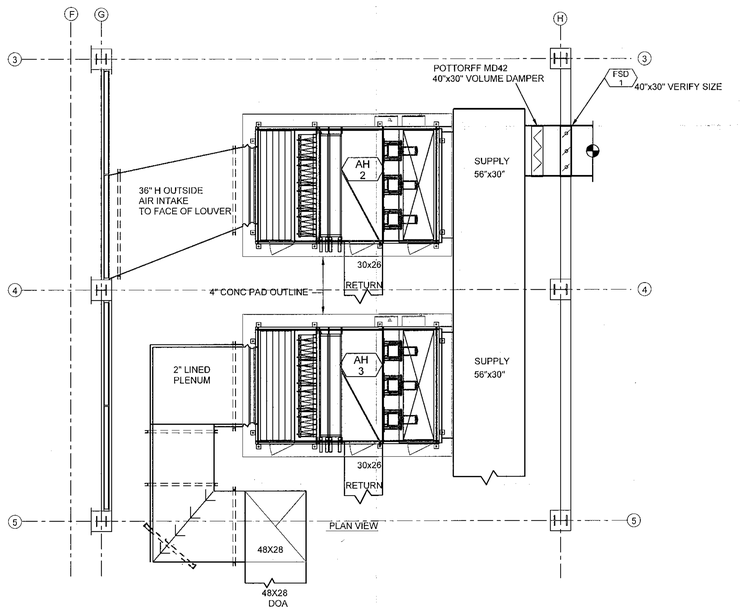
7 / M6.05 — AHU #4 DETAILS
SCALE 1/4"=1'0"



5 / M6.05 — AHU #1 DETAILS
SCALE 1/4"=1'0"



8 / M6.05 — DUCT SUPPORT DETAIL
SCALE 1/4"=1'0"



9 / M6.05 — AH #2&3 PLAN VIEW DETAIL
SCALE 1/4"=1'0"

CONSULTANT

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830 East Front Street
Ventura, California 93001
(805) 653-1722 FAX: (805) 653-7260
email: hugh@aegroupme.com

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT HUGH A. MCTERNAN C-30348 JANUARY 31, 2020 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. MCTERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3538 , (818) 874-2071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD.
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BACKCHECK SUBMITTAL

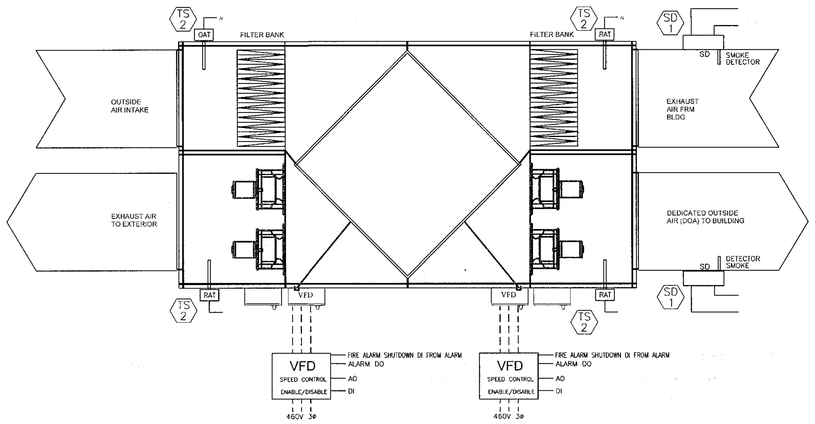
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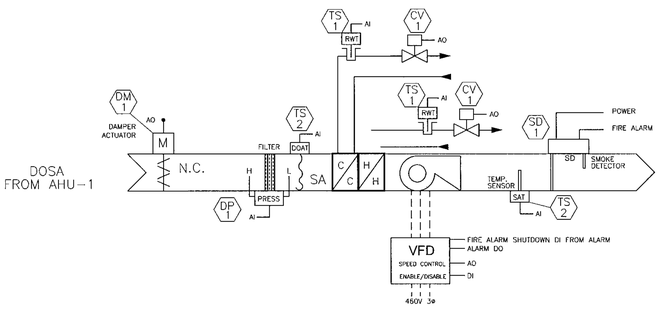
AIR HANDLER DETAILS

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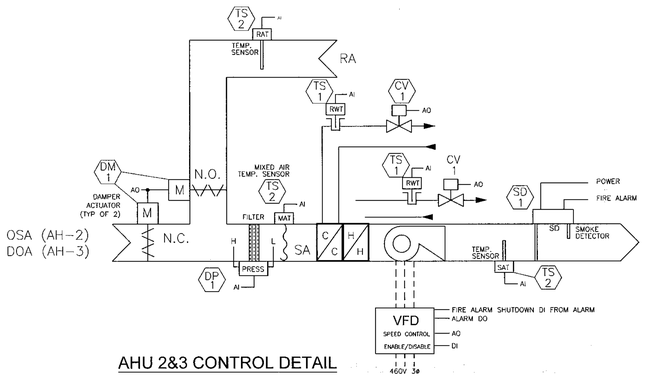
M6.05
___ OF ___



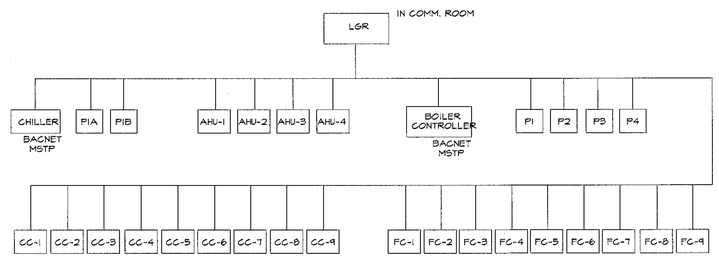
AHU 1 CONTROL DETAIL



AHU 4 CONTROL DETAIL



AHU 2&3 CONTROL DETAIL



CONTROL TOPOGRAPHY
NO SCALE

CONTROL POINTS (show on graphics)

AH-1 — CM 1

INPUTS
- DEDICATED OUTSIDE AIR TEMP AFTER HEAT EXCHANGER
- DEDICATED OUTSIDE AIR TEMP BEFORE HEAT EXCHANGER
- EXHAUST AIR TEMP FROM BUILDING
- EXHAUST AIR TEMP TO EXTERIOR
- VFD ALARM (EXHAUST)
- VFD ALARM (OUTSIDE AIR)
- FIRE ALARM SHUTDOWN (EMERGENCY STOP CONTACTS AT VFD 1)
- FIRE ALARM SHUTDOWN (EMERGENCY STOP CONTACTS AT VFD 2)
- PRESSURE SENSOR # 1 LOCATE AT AH-3

OUTPUTS
- VFD 1 ENABLE
- VFD 1 SPEED
- VFD 2 ENABLE
- VFD 2 SPEED

CONTROL POINTS (show on graphics)

AH 4 — CM 1

INPUTS
- SUPPLY AIR TEMP
- OUTSIDE AIR FROM AH-1
- CHILLED WATER RETURN TEMP
- HOT WATER RETURN TEMP
- VFD ALARM - FAN
- SUPPLY DUCT PRESSURE SENSOR
- SPACE PRESSURE SENSOR - LOCATE AT FC-6
- SPACE PRESSURE SENSOR - LOCATE ON DUCT ABOVE ROOM 112
- AIR FLOW MONITORING STATION - OUTSIDE AIR
- AIR FLOW MONITORING STATION - EXHAUST AIR
- THERMOSTAT - MEN'S LOCKER RM
- THERMOSTAT - WOMEN'S LOCKER RM — AVERAGE
- BUILDING EXHAUST AIR TEMPERATURE

OUTPUTS
- VFD 1 ENABLE
- VFD 1 SPEED
- CHILLED WATER VALVE
- HOT WATER VALVE

CONTROL POINTS (show on graphics)

AH 2&3 - CONSTANT VOLUME — CM 1

INPUTS
- SUPPLY AIR TEMP
- RETURN AIR TEMP
- MIXED AIR TEMP
- CHILLED WATER RETURN TEMP
- HOT WATER RETURN TEMP
- VFD ALARM - FAN
- SUPPLY DUCT PRESSURE SENSOR
- SUPPLY DAMPER FEEDBACK
- RETURN DAMPER FEEDBACK
- FILTER DIFF. PRESSURE
- CO2 SENSOR/TEMP IN GYM
- CO2 SENSOR/TEMP IN GYM

OUTPUTS
- VFD 1 ENABLE
- VFD 1 SPEED
- CHILLED WATER VALVE
- HOT WATER VALVE
- OUTSIDE AIR DAMPER (AH-3) DOA (AH-2)
- RETURN AIR DAMPER
- SUPPLY DAMPER

CHILLER — CM 2

INPUTS
- BACNET MODULE FROM CHILLER
  - KILOWATTS
  - HEAD PRESSURE
  - PERCENTAGE OF FULL LOAD
  - CHILLER ALARM
- SUPPLY H20 TEMP
- RETURN H20 TEMP
- PUMP 1 ALARM
- PUMP 2 ALARM
- DIFF. PRESSURE AT FC-7
- FLOW METER

OUTPUTS
- CHILLER ONE ENABLE
- CHILLER TEMP RESET
- PUMP ONE ENABLE
- PUMP ONE SPEED
- PUMP TWO ENABLE
- PUMP TWO SPEED
- CHILLER TEMP RESET THROUGH BACNET

BOILER — CM 2

INPUTS
- BACNET INTERFACE WITH BOILER CONTROLLER
- SUPPLY WATER TEMP
- RETURN WATER TEMP
- PUMP P1 STATUS
- PUMP P2 STATUS

OUTPUTS
- BACNET INTERFACE WITH BOILER CONTROLLER
- SYSTEM ENABLE
- SUPPLY WATER TEMP RESET
- PUMP ONE ENABLE
- PUMP ONE SPEED
- PUMP TWO ENABLE
- PUMP TWO SPEED

EXTERIOR LIGHTS — CM 4

OUTPUTS
- 6 ZONES (6 DISCRETE OUTPUTS)
- COORDINATE W/ ELECTRICAL

FAN COILS — CM 3

INPUTS
- THERMOSTAT
- SUPPLY AIR TEMP
- FIRE ALARM SHUTDOWN

OUTPUTS
- FAN ENABLE
- CHILLED WATER VALVE CONTROL
- HOT WATER VALVE CONTROL

CEILING CASSETTE UNITS — CM 3

INPUTS
- THERMOSTAT

OUTPUTS
- FAN ENABLE
- CHILLED WATER VALVE CONTROL
- HOT WATER VALVE CONTROL

DOMESTIC WATER BOILER — CM 5

INPUTS
- SUPPLY WATER TEMP.
- TANK WATER TEMP
- RECIRC RETURN TEMP
- BACNET CONNECTION TO TEMPTRACKER

OUTPUTS
- BOILER CONTROLLER ENABLE
- RECIRCULATION PUMP

CONTROL SCHEDULE

- CM 1 — CONTROL MODULE, ALC S SERIES. SEE EACH AIR HANDLER FOR INPUTS AND OUTPUTS
- CM 2 — CONTROL MODULE, ALC M SERIES W/ BACNET CONNECTION. SEE BOILER AND CHILLER POINTS LIST FOR INPUTS AND OUTPUTS
- CM 3 — CONTROL MODULE, ALC Z SERIES. SEE FAN COIL & CEILING CASSETTE POINTS LIST
- CM 4 — CONTROL MODULE, ALC Z SERIES. FOR EXTERIOR LIGHTING CONTROL. PROVIDE PATCH CABLE TO LIGHTING PANEL
- CM 5 — CONTROL MODULE, ALC Z SERIES. SEE DOMESTIC BOILER INTERFACE TO CONTROLLER
- R 1 — ROUTER ALC LGR. CONNECT TO (E) CAMPUS NETWORK. PROVIDE PATCH CABLE
- T 1 — THERMOSTAT, ALC MODEL ZS PRO W/ SETPOINT ADJUSTMENT & TIMED LOCAL OVERRIDE
- T 2 — THERMOSTAT, ALC MODEL ZS PLUS , WALL SENSOR ONLY WITH CO2 W/ PROTECTIVE CAGE
- T 3 — THERMOSTAT, ALC MODEL ZS ALC , WALL SENSOR ONLY W/ PROTECTIVE CAGE
- DT 1 — DUCT TEMP SENSOR - 10K-2-D-XX", DUCT MOUNTED TEMPERATURE SENSOR WITH INTEGRATED HANDY BOX. USED FOR SUPPLY AND RETURN AIR TEMP. BAPI
- OT 1 — AVERAGING TEMP SENSOR - 10K-2-A-XX', OUTSIDE AIR AVERAGING TEMP SENSOR WITH INTEGRATED EXTERIOR BOX. BAPI.
- AT 1 — AVERAGING TEMP SENSOR - 10K-2-A-XX', MIXED AIR AVERAGING TEMP SENSOR WITH INTEGRATED HANDY BOX. BAPI.
- PX 1 — PRESSURE TRANSMITTER - 0-5VDC OUTPUT, TO BE USED ACROSS FILTER TO DETERMINE FILTER STATUS & SUPPLY DUCT PRESSURE. DWYER 604A OR VERIS IND.
- CS 1 — CURRENT SENSOR - 0-5VDC OR 4-20mA OUTPUT CURRENT SENSOR, TO DETERMINE MOTOR AMPERAGE AND STATUS. VERIS INDUSTRIES OR NIELSEN KULJIAN
- CV 1 — CONTROL VALVE - 2-WAY VALVE (SEE M1.1) WITH AN ELECTRONIC ACTUATOR WITH EITHER 0-5VDC OR 4-20mA COMMAND SIGNAL. VALVE AND ACTUATOR SHALL BE BELIMO.
- DM 1 — DAMPER ACTUATOR - SIZE 125% OF DAMPER AREA, WITH 0-10VDC OR 4-20mA CONTROL SIGNAL. ACTUATOR SHALL BE BELIMO.
- LP 1 — LIQUID PRESSURE SENSOR - DWYER SERIES 634A, 4-20mA SIGNAL 0-100 PSI RANGE. PROVIDED BY CONTROLS CONTRACTOR. WELD-O-LET INSTALLED BY PLUMBING CONTRACTOR.
- LT 1 — IMMERSION SENSOR - 10K-2-I-XX" WP IMMERSION TEMP SENSOR WITH STAINLESS STEEL THERMAL WELL AND WEATHER PROOF ENCLOSURE. PROVIDED BY CONTROLS CONTRACTOR, THERMAL WELL INSTALLED BY MECHANICAL PIPING CONTRACTOR.
- PS 1 — H20 DIFF. PRESSURE TRANSMITTER - 4-20ma OUTPUT, FOR SYSTEM PRESSURE CONTROL PROVIDE ISOLATION VALVE AT CONNECTION TO PIPING. DWYER INSTRUMENTS 634-E-1
- FM 1 — FLOW METER, SIGNET MODEL 5924-551 FIELD MOUNT 4-20 MA OUTPUT TO EMS. CHILLED WATER INSERTION FITTING 6" PIPE W/ PADDLEWHEEL. HOT WATER INSERTION FITTING 4" PIPE W/ METAL PADDLEWHEEL
- FA 1 — FIRE ALARM SHUTDOWN. COORDINATE WITH FIRE ALARM CONTRACTOR FOR UNIT SHUTDOWN UPON FIRE ALARM. PROVIDE ANY NEEDED INPUT POINTS OR RELAYS. USE EMERGENCY STOP CONTACTS AT VFD

CONSULTANT

AE Group
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838 East Front Street
Ventura, California 93001
(805) 653-1722 FAX: (805) 653-7260
email: hugh@aegroupmc.com

DIVISION OF THE STATE ARCHITECT
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DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

LICENSED ARCHITECT — WILLIAM JORGE MADSON — C-33516 — JANUARY 31, 2019 — RENEWAL DATE — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — HUGH A. McTEER — M030626 Ren. 6/30/18 — MECHANICAL — STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

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	JOB NO:

MECHANICAL CONTROLS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

M7.00

___ OF ___

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
CEC-NRCC-MCH-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-01-E
Mechanical Systems	(Page 1 of 4)

Project Name: Moorpark College Gymnasium Rennovation — Date Prepared: 10/14/2017

A. MECHANICAL COMPLIANCE DOCUMENTS & WORKSHEETS (check box if worksheet is included)
For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2016 Nonresidential Manual
Note: The Enforcement Agency may require all forms to be incorporated onto the building plans.

YES	NO	Comp. Doc./Worksheet #	Title
☑	☐	NRCC-MCH-01-E (Part 1 of 3)	Certificate of Compliance, Declaration. Required on plans for all submittals.
☑	☐	NRCC-MCH-01-E (Part 2 of 3)	Certificate of Compliance, Required Acceptance Tests (MCH-02-A to 11-A). Required on plans for all submittals.
☑	☐	NRCC-MCH-01-E (Part 3 of 3)	Certificate of Compliance, Required Acceptance Tests (MCH-12-A to 18-A). Required on plans where applicable.
☑	☐	NRCC-MCH-02-E (Part 1 of 2)	Mechanical Dry Equipment Summary is required for all submittals with Central Air Systems. It is optional on plans.
☑	☐	NRCC-MCH-02-E (Part 2 of 2)	Mechanical Wet Equipment Summary is required for all submittals with chilled water, hot water or condenser water systems. It is optional on plans.
☑	☐	NRCC-MCH-03-E	Mechanical Ventilation and Reheat is required for all submittals with multiple zone heating and cooling systems. It is optional on plans.
☑	☐	NRCC-MCH-07-E (Part 1 of 2)	Power Consumption of Fans. Required on plans where applicable
☑	☐	NRCC-MCH-07-E (Part 2 of 2)	Power Consumption of Fans. Declaration. Required on plans where applicable

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
CEC-NRCC-MCH-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-01-E
Mechanical Systems	(Page 2 of 4)

Project Name: Moorpark College Gymnasium Rennovation — Date Prepared: 10/14/2017

B. MECHANICAL HVAC ACCEPTANCE FORMS (check box for required compliance documents)
Test Performed By:
Designer:
This compliance document is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for HVAC systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. All equipment of the same type that requires a test, list the equipment description and the number of systems.
Installing Contractor:
The contractor who installed the equipment is responsible to either conduct the acceptance test themselves or have a qualified entity run the test for them. If more than one person has responsibility for the acceptance testing, each person shall sign and submit the Certificate of Acceptance applicable to the portion of the construction or installation for which they are responsible.
Enforcement Agency:
Plancheck – The NRCC-MCH-01-E compliance document is not considered a completed document and is not to be accepted by the building department unless the correct boxes are checked.
Inspector - Before occupancy permit is granted all newly installed process systems must be tested to ensure proper operations.

Test Description	MCH-02-A	MCH-03-A	MCH-04-A	MCH-05-A	MCH-05-A	MCH-07-A	MCH-08-A	MCH-09-A	MCH-10-A	MCH-11-A
Equipment Requiring Testing or Verification	# of Units	Outdoor Air	Single Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation (DCV)	Supply Fan VAV	Valve Leakage Test	Supply Water Temp. Reset	Hydronic System Variable Flow Control	Automatic Demand Shed Control
DYNAMIC AIR (	1	☑	☐	☐	☑	☐	☑	☐	☐	☐	☐
DYNAMIC AIR (	1	☑	☐	☐	☑	☐	☑	☐	☐	☐	☐
Envirotech V40	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐
Envirotech V40	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐
Envirotech V20	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐
Envirotech V16	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐
Envirotech V40	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐
Envirotech V40	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐
Envirotech V30	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐
Envirotech V20	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
CEC-NRCC-MCH-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-01-E
Mechanical Systems	(Page 2 of 4)

Project Name: Moorpark College Gymnasium Rennovation — Date Prepared: 10/14/2017

B. MECHANICAL HVAC ACCEPTANCE FORMS (check box for required compliance documents)
Test Performed By:
Designer:
This compliance document is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for HVAC systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. All equipment of the same type that requires a test, list the equipment description and the number of systems.
Installing Contractor:
The contractor who installed the equipment is responsible to either conduct the acceptance test themselves or have a qualified entity run the test for them. If more than one person has responsibility for the acceptance testing, each person shall sign and submit the Certificate of Acceptance applicable to the portion of the construction or installation for which they are responsible.
Enforcement Agency:
Plancheck – The NRCC-MCH-01-E compliance document is not considered a completed document and is not to be accepted by the building department unless the correct boxes are checked.
Inspector - Before occupancy permit is granted all newly installed process systems must be tested to ensure proper operations.

Test Description	MCH-02-A	MCH-03-A	MCH-04-A	MCH-05-A	MCH-05-A	MCH-07-A	MCH-08-A	MCH-09-A	MCH-10-A	MCH-11-A
Equipment Requiring Testing or Verification	# of Units	Outdoor Air	Single Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation (DCV)	Supply Fan VAV	Valve Leakage Test	Supply Water Temp. Reset	Hydronic System Variable Flow Control	Automatic Demand Shed Control
Multi-Aqua MHC	10	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐
		☐	☐

STATE OF CALIFORNIA
HVAC DRY & WET SYSTEM REQUIREMENTS
CEC-NRCC-MCH-02-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-02-E
HVAC Dry & Wet System Requirements	(Page 2 of 3)

Project Name: Moorpark College Gymnasium Rennovation — Date Prepared: 10/14/2017

B. Equipment Tags and System Description[1] – Wet Systems

MANDATORY MEASURES	*T-24 Sections*	*Reference to the Requirements in the Contract Documents[2]*		
Heating Hot Water Equipment Efficiency[3]	110.1			
Cooling Chilled and Condenser Water Equipment Efficiency[3]	110.1, 140.4(i)			
Open and Closed Circuit Cooling Towers conductivity or flow-based controls	110.2(e) 1			
Open and Closed Circuit Cooling Towers Maximum Achievable Cycles of Concentration (LSI)[3]	110.2(e) 2			
Open and Closed Circuit Cooling Towers Flow Meter with analog output	110.2(e) 3			
Open and Closed Circuit Cooling Towers Overflow Alarm	110.2(e) 4			
Open and Closed Circuit Cooling Towers Efficient Drift Eliminators	110.2(e) 5			
Pipe Insulation	120.3			
PRESCRIPTIVE MEASURES				
Cooling Tower Fan Controls	140.4(h)2, 140.4(h)5	Y/N	Y/N	Y/N
Cooling Tower Flow Controls	140.4(h)3			
Centrifugal Fan Cooling Towers[4]	140.4(h)4			
Air-Cooled Chiller Limitation[5]	140.4(j)			
Variable Flow System Design	140.4(k)			
Chiller and Boiler Isolation	140.4(k)			
CHW and HHW Reset Controls	140.4(k)			
WLHP Isolation Valves	140.4(k)			
VSD on CHW, CW & WLHP Pumps >5HP	140.4(k)			
DP Sensor Location	140.4(k)			

Notes:
1. Provide equipment tags (e.g. CH 1 to 3) or system description (e.g. CHW loop) as appropriate. Multiple units with common requirements can be grouped together.
2. Provide references to plans (i.e. Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system.
3. The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency requirements are applicable (e.g. full- and part-load) include all. For chillers operating at non-standard efficiencies provide the Kadj values. For chillers also note whether the efficiencies are Path A or Path B.
4. Identify if cooling towers have propeller fans. If towers use centrifugal fans document which exception is used.
5. If air-cooled chillers are used, document which exceptions have been used to comply with 140.4(j) and the total installed design capacity of the air-cooled chillers in the chilled water plant.
6. Identify the existence of a completed MCH-06-E when open or closed circuit cooling towers are specified to be installed, otherwise enter "N/A".

STATE OF CALIFORNIA
HVAC SYSTEM REQUIREMENTS
CEC-NRCC-MCH-03-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-02-E
HVAC Wet System Requirements	(Page 3 of 3)

Project Name: Moorpark College Gymnasium Rennovation — Date Prepared: 10/14/2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Jose Sanchez	Documentation Author Signature:	
Company:	AE Group Mechanical Engineers, Inc.	Signature Date:	10/14/2017
Address:	838 East Front Street	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Ventura, Ca 93003	Phone:	805-653-1722

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Hugh McTernan	Responsible Designer Signature:	
Company:	AE Group Mechanical Engineers, Inc.	Date Signed:	10/14/2017
Address:	838 East Front Street	License:	M030626
City/State/Zip:	Ventura, Ca 93001-2925	Phone:	805-653-7260

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-03-E
Mechanical Ventilation & Reheat	(Page 1 of 2)

Project Name: Moorpark College Gymnasium Rennovation — Date Prepared: 10/14/2017

A. Mechanical Ventilation and Reheat

ACTUAL DESIGN INFO (FROM EQUIPMENT SCHEDULES, ETC) | AREA BASIS | OCCUPANCY BASIS | ROOM BASIS | MINIMUM | VAV Reheated Primary Air CFM | | VAV Deadband Primary Air CFM | |

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
ZONE/SYSTEM NAME/ TAG	DESIGN PRIMARY COOLING AIRFLOW (CFM)	DESIGN PRIMARY HEATING AIRFLOW (CFM)	DESIGN PRIMARY AIRFLOW (CFM)	DESIGN PRIMARY HEATING AIRFLOW (CFM)	CNTRL TYPE DDC (Y/N)	TRANSFER AIRFLOW (CFM)	CONDITIONED AREA (ft²)	MIN CFM BY AREA	MAX CFM BY AREA	BLDG. OCCUPANCY	CFM PER PERSON	MIN CFM BY OCCUPANT	MIN CFM BY ROOM	RECEIV VENT AIRFLOW (CFM)	COMPLY?	PERCENTAGE BASED ON PRIMARY COOLING AIR	MAXIMUM REHEAT (CFM)	COMPLY?	% BASED ON MAX PRIMARY COOLING	MAX DEADBAND AIRFLOW (CFM)	COMPLY?
Main gym (Half)							6,525	0.38	2,447	498.1	15.0	7,471		7,471	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		7,471	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A
Main Gym (Half)							6,525	0.38	2,447	498.1	15.0	7,471		7,471	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		7,471	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A
(FC-1) Rm 210	0	0	0	Y	124	330	0.38	124	8.2	15.0	124			124	☒ Pass ☐ Fail	0	124	0	124		☒ Pass ☐ Fail ☐ N/A
(FC-1) Lobby Rı	0	0	0	Y	276	736	0.38	276	10.1	15.0	151			276	☒ Pass ☐ Fail	0	276	0	276		☒ Pass ☐ Fail ☐ N/A
(FC-1) Rm 212	0	0	0	Y	206	549	0.38	206	13.7	15.0	206			206	☒ Pass ☐ Fail	0	206	0	206		☒ Pass ☐ Fail ☐ N/A

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-03-E
Mechanical Ventilation & Reheat	(Page 1 of 2)

Project Name: Moorpark College Gymnasium Rennovation — Date Prepared: 10/14/2017

A. Mechanical Ventilation and Reheat

ACTUAL DESIGN INFO (FROM EQUIPMENT SCHEDULES, ETC) | AREA BASIS | OCCUPANCY BASIS | ROOM BASIS | MINIMUM | VAV Reheated Primary Air CFM | | VAV Deadband Primary Air CFM | |

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
ZONE/SYSTEM NAME/ TAG	DESIGN PRIMARY COOLING AIRFLOW (CFM)	DESIGN PRIMARY HEATING AIRFLOW (CFM)	DESIGN PRIMARY AIRFLOW (CFM)	DESIGN PRIMARY HEATING AIRFLOW (CFM)	CNTRL TYPE DDC (Y/N)	TRANSFER AIRFLOW (CFM)	CONDITIONED AREA (ft²)	MIN CFM BY AREA	MAX CFM BY AREA	BLDG. OCCUPANTS	CFM PER PERSON	MIN CFM BY OCCUPANT	MIN CFM BY ROOM	RECEIV VENT AIRFLOW (CFM)	COMPLY?	PERCENTAGE BASED ON PRIMARY COOLING AIR	MAXIMUM REHEAT (CFM)	COMPLY?	% BASED ON MAX PRIMARY COOLING	MAX DEADBAND AIRFLOW (CFM)	COMPLY?
(FC-2) Rm 213												Total		606	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A
							2,660	0.38	998	54.3	15.0	814		998	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		998	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A
(FC-3) Fitness F							1,474	0.38	553	29.5	15.0	443		553	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		553	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A
(FC-4) Fitness F							1,065	0.38	407	21.7	15.0	326		407	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		407	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-03-E
Mechanical Ventilation & Reheat	(Page 1 of 2)

Project Name: Moorpark College Gymnasium Rennovation — Date Prepared: 10/14/2017

A. Mechanical Ventilation and Reheat

ACTUAL DESIGN INFO (FROM EQUIPMENT SCHEDULES, ETC) | AREA BASIS | OCCUPANCY BASIS | ROOM BASIS | MINIMUM | VAV Reheated Primary Air CFM | | VAV Deadband Primary Air CFM | |

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
ZONE/SYSTEM NAME/ TAG	DESIGN PRIMARY COOLING AIRFLOW (CFM)	DESIGN PRIMARY HEATING AIRFLOW (CFM)	DESIGN PRIMARY AIRFLOW (CFM)	DESIGN PRIMARY HEATING AIRFLOW (CFM)	CNTRL TYPE DDC (Y/N)	TRANSFER AIRFLOW (CFM)	CONDITIONED AREA (ft²)	MIN CFM BY AREA	MAX CFM BY AREA	BLDG. OCCUPANTS	CFM PER PERSON	MIN CFM BY OCCUPANT	MIN CFM BY ROOM	RECEIV VENT AIRFLOW (CFM)	COMPLY?	PERCENTAGE BASED ON PRIMARY COOLING AIR	MAXIMUM REHEAT (CFM)	COMPLY?	% BASED ON MAX PRIMARY COOLING	MAX DEADBAND AIRFLOW (CFM)	COMPLY?
(FC-5) Rm 204							472	0.38	177	11.8	15.0	177		177	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
(FC-5) Rm 203							332	0.38	125	7.4	15.0	111		125	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
(FC-5) Lobby Rı							672	0.38	252	10.3	15.0	155		252	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		553	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A
(FC-6) Rm 126							1,218	0.38	457	25.4	15.0	381		457	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
(FC-6) Rm 100 I							1,478	0.38	554	30.2	15.0	452		554	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		1,011	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-03-E
Mechanical Ventilation & Reheat	(Page 1 of 2)

Project Name: Moorpark College Gymnasium Rennovation — Date Prepared: 10/14/2017

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01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
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(FC-7) Rm 112							2,267	0.38	850	22.7	15.0	340		850	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		850	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A
(FC-8) Rm 102							596	0.38	224	29.8	15.0	447		447	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
(FC-8) Rm 103 I							593	0.38	222	29.7	15.0	445		445	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		892	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A
Rm 128 Office							85	0.38	32	1.0	15.0	15		32	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		32	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-03-E
Mechanical Ventilation & Reheat	(Page 1 of 2)

Project Name: Moorpark College Gymnasium Rennovation — Date Prepared: 10/14/2017

A. Mechanical Ventilation and Reheat

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Rm 127 Office							84	0.38	32	1.0	15.0	15		32	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		32	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A
Rm 126A Office							152	0.38	57	1.0	15.0	15		57	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		57	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A
Rm 126B Office							123	0.38	46	2.1	15.0	31		46	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		46	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A
Rm 126C Privat							99	0.38	37	2.0	15.0	30		37	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-03-E
Mechanical Ventilation & Reheat	(Page 1 of 2)

Project Name: Moorpark College Gymnasium Rennovation — Date Prepared: 10/14/2017

A. Mechanical Ventilation and Reheat

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Rm 119 Office							123	0.15	18	1.0	15.0	15		18	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		18	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A
Rm 105 Office							156	0.38	58	1.9	15.0	29		58	☒ Pass ☐ Fail						☐ Pass ☐ Fail ☒ N/A
												Total		58	☐ Pass ☐ Fail						☐ Pass ☐ Fail ☐ N/A

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-03-E
Mechanical Ventilation & Reheat	(Page 2 of 2)

Project Name: Moorpark College Gymnasium Rennovation — Date Prepared: 10/14/2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Jose Sanchez	Documentation Author Signature:	
Company:	AE Group Mechanical Engineers, Inc.	Signature Date:	10/14/2017
Address:	838 East Front Street	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Ventura, Ca 93003	Phone:	805-653-1722

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Responsible Designer Name:	Hugh McTernan	Responsible Designer Signature:	
Company:	AE Group Mechanical Engineers, Inc.	Date Signed:	10/14/2017
Address:	838 East Front Street	License:	M030626
City/State/Zip:	Ventura, Ca 93001-2925	Phone:	805-653-7260

CONSULTANT
AE Group
Mechanical Engineers, Inc.
838 East Front Street
Ventura, California 93001
(805) 653-1722 FAX: (805) 653-7260
email: hugh@aegroupme.com

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS ___ SS ___
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM SPENCER AMADOR C-30348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. McTERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

28326 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/18
	DRAWN: HM/JS
	CHECK: HM/PW
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ENERGY CALCULATIONS

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

EN1.01 ___ OF ___

STATE OF CALIFORNIA
FAN POWER CONSUMPTION
CEC-NRCC-MCH-07-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-07-E
Power Consumption of Fans Requirements	(Page 1 of 2)
Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
		MOTOR	DRIVE		
AHU-2 - Supply Fan	30.000	94.1 %	99.0 %	1.0	24,023

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B02 x B04 x 746 / (B03a x B03b)
		MOTOR	DRIVE		

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	24,023	W
	02	SUPPLY DESIGN AIRFLOW	16,000	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_T) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	1.501	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_T		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_T		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	1.501	W/CFM

1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm for Constant Volume systems or 1.25 W/cfm for VAV systems.

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FAN POWER CONSUMPTION
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CERTIFICATE OF COMPLIANCE	NRCC-MCH-07-E
Power Consumption of Fans Requirements	(Page 1 of 2)
Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
		MOTOR	DRIVE		
AHU-3 - Supply Fan	30.000	94.1 %	99.0 %	1.0	24,023

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B02 x B04 x 746 / (B03a x B03b)
		MOTOR	DRIVE		

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	24,023	W
	02	SUPPLY DESIGN AIRFLOW	16,000	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_T) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	1.501	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_T		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_T		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	1.501	W/CFM

1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm for Constant Volume systems or 1.25 W/cfm for VAV systems.

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CERTIFICATE OF COMPLIANCE	NRCC-MCH-07-E
Power Consumption of Fans Requirements	(Page 1 of 2)
Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
		MOTOR	DRIVE		
Fan Coil 1 - Supply Fan	2.000	86.5 %	99.0 %	1.0	1,684

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B02 x B04 x 746 / (B03a x B03b)
		MOTOR	DRIVE		

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	1,684	W
	02	SUPPLY DESIGN AIRFLOW	2,000	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_T) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	0.589	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_T		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_T		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	0.589	W/CFM

1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm for Constant Volume systems or 1.25 W/cfm for VAV systems.

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Power Consumption of Fans Requirements	(Page 1 of 2)
Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
		MOTOR	DRIVE		
Fan Coil 2 - Supply Fan	5.000	91.7 %	99.0 %	1.0	4,109
Enviratech V40 (FC-2)	5.000	91.7 %	100.0 %	1.0	4,068

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B02 x B04 x 746 / (B03a x B03b)
		MOTOR	DRIVE		

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	8,176	W
	02	SUPPLY DESIGN AIRFLOW	4,200	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_T) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	1.947	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_T		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_T		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	1.947	W/CFM

1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm for Constant Volume systems or 1.25 W/cfm for VAV systems.

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Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
		MOTOR	DRIVE		
Fan Coil 3 - Supply Fan	1.500	86.5 %	99.0 %	1.0	1,307
Enviratech V20 (FC-3)	1.500	86.5 %	100.0 %	1.0	1,294

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B02 x B04 x 746 / (B03a x B03b)
		MOTOR	DRIVE		

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	2,600	W
	02	SUPPLY DESIGN AIRFLOW	2,000	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_T) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	0.723	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_T		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_T		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	0.726	W/CFM

1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm for Constant Volume systems or 1.25 W/cfm for VAV systems.

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Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
		MOTOR	DRIVE		
Fan Coil 4 - Supply Fan	1.000	86.5 %	99.0 %	1.0	871
Enviratech V15 (FC-4)	1.000	86.5 %	100.0 %	1.0	862

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B02 x B04 x 746 / (B03a x B03b)
		MOTOR	DRIVE		

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	1,734	W
	02	SUPPLY DESIGN AIRFLOW	1,850	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_T) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	0.963	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_T		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_T		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	0.963	W/CFM

1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm for Constant Volume systems or 1.25 W/cfm for VAV systems.

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Power Consumption of Fans Requirements	(Page 1 of 2)
Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
		MOTOR	DRIVE		
Fan Coil 5 - Supply Fan	2.000	89.5 %	99.0 %	1.0	1,684
Enviratech V40 (FC-5)	2.000	89.5 %	100.0 %	1.0	1,667
Enviratech V40 (FC-5)	2.000	89.5 %	100.0 %	1.0	1,667
Enviratech V40 (FC-6)	2.000	89.5 %	100.0 %	1.0	1,667

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B02 x B04 x 746 / (B03a x B03b)
		MOTOR	DRIVE		

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	6,668	W
	02	SUPPLY DESIGN AIRFLOW	2,800	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_T) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	2.337	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_T		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_T		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	2.337	W/CFM

1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm for Constant Volume systems or 1.25 W/cfm for VAV systems.

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Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
		MOTOR	DRIVE		
Fan Coil 6 - Supply Fan	1.500	86.5 %	99.0 %	1.0	1,307
Enviratech V40 (FC-6)	1.500	86.5 %	100.0 %	1.0	1,294

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B02 x B04 x 746 / (B03a x B03b)
		MOTOR	DRIVE		

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	2,600	W
	02	SUPPLY DESIGN AIRFLOW	3,800	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_T) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	0.684	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_T		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_T		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	0.684	W/CFM

1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm for Constant Volume systems or 1.25 W/cfm for VAV systems.

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Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
		MOTOR	DRIVE		
Fan Coil 7 - Supply Fan	3.000	89.5 %	99.0 %	1.0	2,529
Enviratech V20 (FC-7)	3.000	89.5 %	100.0 %	1.0	2,501

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B02 x B04 x 746 / (B03a x B03b)
		MOTOR	DRIVE		

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	5,076	W
	02	SUPPLY DESIGN AIRFLOW	3,579	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_T) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	1.408	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_T		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_T		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	1.408	W/CFM

1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm for Constant Volume systems or 1.25 W/cfm for VAV systems.

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Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
		MOTOR	DRIVE		
Fan Coil 8 - Supply Fan	1.000	86.5 %	99.0 %	1.0	871
Enviratech V20 (FC-8)	1.000	86.5 %	100.0 %	1.0	862
Enviratech V20 (FC-8)	1.000	86.5 %	100.0 %	1.0	862

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B02 x B04 x 746 / (B03a x B03b)
		MOTOR	DRIVE		

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	2,596	W
	02	SUPPLY DESIGN AIRFLOW	3,575	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_T) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	0.726	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_T		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_T		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	0.726	W/CFM

1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm for Constant Volume systems or 1.25 W/cfm for VAV systems.

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Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
		MOTOR	DRIVE		
CC-1 - Supply Fan	1.000	86.5 %	99.0 %	1.0	871

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B02 x B04 x 746 / (B03a x B03b)
		MOTOR	DRIVE		

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	871	W
	02	SUPPLY DESIGN AIRFLOW	400	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_T) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	2.178	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_T		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_T		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	2.178	W/CFM

1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm for Constant Volume systems or 1.25 W/cfm for VAV systems.

STATE OF CALIFORNIA
FAN POWER CONSUMPTION
CEC-NRCC-MCH-07-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-07-E
Power Consumption of Fans Requirements	(Page 1 of 2)
Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01	02	03		04	05
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
		MOTOR	DRIVE		
CC-2 - Supply Fan	1

STATE OF CALIFORNIA
FAN POWER CONSUMPTION
CEC-NRCC-MCH-07-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-07-E
Power Consumption of Fans Requirements	(Page 1 of 2)
Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01 FAN DESCRIPTION	02 DESIGN BRAKE HP	03 EFFICIENCY MOTOR	03 EFFICIENCY DRIVE	04 NUMBER OF FANS	05 PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
CC-3 - *Supply Fan*	*1.000*	*86.5 %*	*99.0 %*	*1.0*	*871*

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01 FAN DESCRIPTION	02 DESIGN BRAKE HP	03 EFFICIENCY MOTOR	03 EFFICIENCY DRIVE	04 NUMBER OF FANS	05 PEAK WATTS B02 x B04 x 746 / (B03a x B03b)

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	871	W
	02	SUPPLY DESIGN AIRFLOW	400	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_t) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	2.178	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_t		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_t		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	2.178	W/CFM

1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm for Constant Volume systems or 1.25 W/cfm for VAV systems.

STATE OF CALIFORNIA
FAN POWER CONSUMPTION
CEC-NRCC-MCH-07-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-07-E
Power Consumption of Fans Requirements (Page 1 of 2)
Project Name: Moorpark College Gymnasium Rennovation Date Prepared: 10/14/2017

A. Constant Volume Fan Systems
NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01 FAN DESCRIPTION	02 DESIGN BRAKE HP	03 EFFICIENCY MOTOR	03 EFFICIENCY DRIVE	04 NUMBER OF FANS	05 PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
CC-6 - *Supply Fan*	*1.000*	*86.5 %*	*99.0 %*	*1.0*	*871*

B. Variable Air Volume Fan Systems
NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01 FAN DESCRIPTION	02 DESIGN BRAKE HP	03 EFFICIENCY MOTOR	03 EFFICIENCY DRIVE	04 NUMBER OF FANS	05 PEAK WATTS B02 x B04 x 746 / (B03a x B03b)

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	871	W
	02	SUPPLY DESIGN AIRFLOW	400	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_t) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	2.178	W/CFM
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	05	SP_t		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_t		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	2.178	W/CFM

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CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
FAN POWER CONSUMPTION
CEC-NRCC-MCH-07-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-07-E
Power Consumption of Fans Requirements (Page 1 of 2)
Project Name: Moorpark College Gymnasium Rennovation Date Prepared: 10/14/2017

A. Constant Volume Fan Systems
NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01 FAN DESCRIPTION	02 DESIGN BRAKE HP	03 EFFICIENCY MOTOR	03 EFFICIENCY DRIVE	04 NUMBER OF FANS	05 PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
CC-7 - *Supply Fan*	*1.000*	*86.5 %*	*99.0 %*	*1.0*	*871*

B. Variable Air Volume Fan Systems
NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01 FAN DESCRIPTION	02 DESIGN BRAKE HP	03 EFFICIENCY MOTOR	03 EFFICIENCY DRIVE	04 NUMBER OF FANS	05 PEAK WATTS B02 x B04 x 746 / (B03a x B03b)

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	871	W
	02	SUPPLY DESIGN AIRFLOW	400	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_t) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	2.178	W/CFM
	04	SP_x		in W.C or Pa
	05	SP_t		in W.C or Pa
B) Calculate Fan Adjustment and enter on line 6.	06	Fan Adjustment = 1-(SP_x – 1)/SP_t		
C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	2.178	W/CFM

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CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
FAN POWER CONSUMPTION
CEC-NRCC-MCH-07-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-07-E
Power Consumption of Fans Requirements (Page 1 of 2)
Project Name: Moorpark College Gymnasium Rennovation Date Prepared: 10/14/2017

A. Constant Volume Fan Systems
NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01 FAN DESCRIPTION	02 DESIGN BRAKE HP	03 EFFICIENCY MOTOR	03 EFFICIENCY DRIVE	04 NUMBER OF FANS	05 PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
CC-8 - *Supply Fan*	*1.000*	*86.5 %*	*99.0 %*	*1.0*	*871*

B. Variable Air Volume Fan Systems
NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01 FAN DESCRIPTION	02 DESIGN BRAKE HP	03 EFFICIENCY MOTOR	03 EFFICIENCY DRIVE	04 NUMBER OF FANS	05 PEAK WATTS B02 x B04 x 746 / (B03a x B03b)

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	871	W
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	05	SP_t		in W.C or Pa
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C) Calculate Adjusted Fan Power Index and enter on row 7	07	ADJUSTED FAN POWER INDEX (Line 3 x Line 6)[1]	2.178	W/CFM

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CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
FAN POWER CONSUMPTION
CEC-NRCC-MCH-07-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-07-E
Power Consumption of Fans Requirements (Page 1 of 2)
Project Name: Moorpark College Gymnasium Rennovation Date Prepared: 10/14/2017

A. Constant Volume Fan Systems
NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01 FAN DESCRIPTION	02 DESIGN BRAKE HP	03 EFFICIENCY MOTOR	03 EFFICIENCY DRIVE	04 NUMBER OF FANS	05 PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
CC-9 - *Supply Fan*	*1.000*	*86.5 %*	*99.0 %*	*1.0*	*871*

B. Variable Air Volume Fan Systems
NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01 FAN DESCRIPTION	02 DESIGN BRAKE HP	03 EFFICIENCY MOTOR	03 EFFICIENCY DRIVE	04 NUMBER OF FANS	05 PEAK WATTS B02 x B04 x 746 / (B03a x B03b)

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	871	W
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CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
FAN POWER CONSUMPTION
CEC-NRCC-MCH-07-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-07-E
Power Consumption of Fans Requirements	(Page 2 of 2)
Project Name: Moorpark College Gymnasium Rennovation	Date Prepared: 10/14/2017

A. Constant Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Constant Volume Fan Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01 FAN DESCRIPTION	02 DESIGN BRAKE HP	03 EFFICIENCY MOTOR	03 EFFICIENCY DRIVE	04 NUMBER OF FANS	05 PEAK WATTS A02 x A04 x 746 / (A03a x A03b)
CC-10 – Supply Fan	*1.000*	*86.5 %*	*99.0 %*	*1.0*	*871*

B. Variable Air Volume Fan Systems

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp of Variable Air Volume (VAV) Systems when using the Prescriptive Approach. See Power Consumption of fans §140.4(c).

01 FAN DESCRIPTION	02 DESIGN BRAKE HP	03 EFFICIENCY MOTOR	03 EFFICIENCY DRIVE	04 NUMBER OF FANS	05 PEAK WATTS B02 x B04 x 746 / (B03a x B03b)

C. Totals and Adjustments

FILTER PRESSURE ADJUSTMENT Equation 140.4-A in §140.4(c) of the Building Energy Efficiency Standards.	01	TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)	871	W
	02	SUPPLY DESIGN AIRFLOW	400	CFM
A) If filter pressure drop (SP_x) is greater than 1 inch W. C. or 245 Pascal then enter SP_x on line 4. Enter Total Fan pressure drop across the fan (SP_t) on line 5.	03	TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)[1]	2.178	W/CFM
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STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
CEC-NRCC-PLB-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-01-E
Water Heating System General Information	(Page 1 of 2)
Project Name: *Moorpark College Gymnasium Rennovation*	Date Prepared: *10/14/2017*

A. GENERAL INFORMATION/SYSTEM INFORMATION

01	Water Heater System Name:	
02	Water Heater System Configuration:	
03	Water Heater System Type:	
04	Building Type:	
05	Total Number of Water Heaters in Systems:	
06	Central DHW Distribution Type:	
07	Dwelling Unit DHW Distribution Type:	

B. WATER HEATER INFORMATION

Each water heater type requires a separate compliance document.

01	Water Heater Type:	
02	Fuel Type:	
03	Manufacture Name:	
04	Model Number:	
05	Number of Identical Water Heaters:	
06	Installed Water Heater System Efficiency:	
07	Required Minimum Efficiency:	
08	Standby Loss Percent or Standby Loss Total:	
09	Rated Input:	
10	Pilot Energy:	
11	Water Heater Tank Storage Volume:	
12	Exterior Insulation on Water Heater:	
13	Volume of Supplemental Storage:	
14	Internal Insulation on Supplemental Storage:	
15	Exterior Insulation on Supplemental Storage:	

C. PLUMBING COMPLIANCE FORMS & WORKSHEETS

Check box if worksheet is included.

For detailed instructions on the use of this and all Energy Standards compliance documents, refer to the 2016 Nonresidential Manual
Note: The Enforcement Agency may require all compliance documents to be incorporated onto the building plans.

YES	NO	Doc/Worksheet #	Title
☑	☐	NRCC-PLB-01-E	Certificate of Compliance, Declaration. Required on plans for all submittals.
☑	☐	NRCI-PLB-01-E	Certificate of Installation. Required on plans for all submittals.
☐	☐	NRCI-PLB-02-E	Certificate of installation, required on central systems in high-rise residential, hotel/motel application.
☐	☐	NRCI-PLB-03-E	Certificate of installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.
☐	☐	NRCI-PLB-21-H	Certificate of installation, required on HERS verified central systems in high-rise residential, hotel/motel application.
☐	☐	NRCI-PLB-22-H	Certificate of installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.
☐	☐	NRCI-STH-01-E	Certificate of installation, required on any solar water heating

STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
CEC-NRCC-PLB-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-01-E
Water Heating System General Information	(Page 2 of 2)
Project Name: Moorpark College Gymnasium Rennovation	Date Prepared: 10/14/2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jose Sanchez		Documentation Author Signature:	
Company: AE Group Mechanical Engineers, Inc.		Signature Date: 10/14/2017	
Address: 838 East Front Street		CEA/HERS Certification Identification (if applicable):	
City/State/Zip: Ventura, Ca 93003		Phone: 805-653-1722	

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Hugh McTernan		Responsible Designer Signature:	
Company: AE Group Mechanical Engineers, Inc.		Date Signed: 10/14/2017	
Address: 838 East Front Street		License: M030626	
City/State/Zip: Ventura, Ca 93001-2925		Phone: 805-653-7260	

STATE OF CALIFORNIA
FAN POWER CONSUMPTION
CEC-NRCC-MCH-07-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-07-E
Power Consumption of Fans Requirements (Page 2 of 2)
Project Name: Moorpark College Gymnasium Rennovation Date Prepared: 10/14/2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jose Sanchez		Documentation Author Signature:	
Company: AE Group Mechanical Engineers, Inc		Signature Date: 10/14/2017	
Address: 838 East Front Street		CEA/HERS Certification Identification (if applicable):	
City/State/Zip: Ventura, Ca 93003		Phone: 805-653-1722	

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3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
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Responsible Designer Name: Hugh McTernan		Responsible Designer Signature:	
Company: AE Group Mechanical Engineers, Inc		Date Signed: 10/14/2017	
Address: 838 East Front Street		License: M030626	
City/State/Zip: Ventura, Ca 93001-2925		Phone: 805-653-7260	

CONSULTANT

AE Group
Mechanical Engineers, Inc.
838 East Front Street
Ventura, California 93001
(805) 653-1722 FAX: (805) 653-7260
email: hugh@aegroupme.com

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC — FLS — SS —
DATE 06-19-18

LICENSED ARCHITECT WILLIAM JORGE AMADOR C-26034 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. McTERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

AMADOR WHITTLE
ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: **03/26/18**
	DRAWN: **HM/JS**
	CHECK: **HM/PW**
	JOB NO:
ENERGY CALCULATIONS	**EN1.03**
IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY	___ OF ___

PLUMBING NOTES

1. SCOPE OF WORK: THIS IS A REMODELING CONTRACT AND INCLUDES THE FOLLOWING: REPLACING EXISTING FIXTURES, CONNECT ALL PLUMBING FIXTURES AND EQUIPMENT SHOWN ON THE PLUMBING PLANS INCLUDING FURNISHING AND INSTALLING ALL ASSOCIATED PIPING, VALVES, STOPS, TRAPS, DRAINS, ESCUTCHEONS INSULATION, ETC.. ALSO FURNISH AND INSTALL ALL PIPING AND PLUMBING FIXTURES SHOWN ON THE CIVIL, PLUMBING AND ARCHITECTURAL DRAWINGS AND DESCRIBED IN THESE NOTES AND THE BOOK SPECIFICATIONS. IN CONNECTION WITH THIS WORK, CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL NECESSARY LABOR, DEVICES, HARDWARE AND SYSTEMS REQUIRED TO MAKE SAID SYSTEMS PROPERLY AND SAFELY OPERABLE, INCLUDING, BUT NOT LIMITED TO, SAW CUTTING, TRENCHING AND BACKFILL, PATCHING & FILLING OF UNUSED PENETRATIONS, MOUNTING AND SUPPORT HARDWARE, FRAMING, INSULATION, VALVES, AND CLEANOUTS.

2. EXAMINATION OF SITE AND CONTRACT DOCUMENTS. EACH BIDDER SHALL, AT ITS SOLE COST AND EXPENSE, INSPECT THE SITE OF THE PROPOSED WORK TO BECOME FULLY ACQUAINTED WITH CONDITIONS RELATING TO THE WORK AND TO FULLY UNDERSTAND THE FACILITIES, DIFFICULTIES AND RESTRICTIONS ATTENDING THE EXECUTION OF THE WORK UNDER THE CONTRACT DOCUMENTS AND COST THEREOF. BIDDERS SHALL THOROUGHLY REVIEW AND BE FAMILIAR WITH THE CONTRACT DOCUMENTS, INCLUDING WITHOUT LIMITATION, THE SPECIFICATIONS AND THE DRAWINGS. THE FAILURE OR OMISSION OF ANY BIDDER TO RECEIVE OR EXAMINE ANY OF THE CONTRACT DOCUMENTS, FORMS, INSTRUMENTS, ADDENDA, OR OTHER DOCUMENTS OR TO INSPECT THE SITE SHALL NOT RELIEVE SUCH BIDDER FROM ANY OBLIGATIONS WITH RESPECT TO THE BID PROPOSAL. THE CONTRACT OR THE WORK REQUIRED UNDER THE CONTRACT DOCUMENTS. THE OWNER ASSUMES NO RESPONSIBILITY OR LIABILITY TO ANY BIDDER FOR, NOR SHALL THE OWNER BE BOUND BY, ANY UNDERSTANDINGS, REPRESENTATIONS OR AGREEMENTS OF THE OWNER'S AGENTS, EMPLOYEES OR OFFICERS CONCERNING THE CONTRACT DOCUMENTS OR THE WORK MADE PRIOR TO EXECUTION OF THE CONTRACT. THE SUBMISSION OF A BID PROPOSAL SHALL BE DEEMED PRIMA FACIE EVIDENCE OF THE BIDDER'S FULL COMPLIANCE WITH THE REQUIREMENTS OF THIS SECTION.

3. INTERPRETATION OF DRAWINGS, SPECIFICATIONS OR CONTRACT DOCUMENTS. IF ANY BIDDER IS IN DOUBT AS TO THE TRUE MEANING OF ANY PART OF THE DRAWINGS, THE SPECIFICATIONS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS; FINDS DISCREPANCIES, ERRORS OR OMISSIONS THEREIN; OR FINDS VARIANCES IN ANY OF THE CONTRACT DOCUMENTS WITH APPLICABLE RULES, REGULATIONS, ORDINANCES AND/OR LAWS, A WRITTEN REQUEST FOR AN INTERPRETATION OR CORRECTION THEREOF MAY BE SUBMITTED TO THE ENGINEER. IT IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE BIDDER TO SUBMIT SUCH REQUEST IN SUFFICIENT TIME FOR THE PREPARATION OF A RESPONSE THERETO AND DELIVERY OF SUCH RESPONSE TO ALL BIDDERS PRIOR TO THE SCHEDULED CLOSING FOR RECEIPT OF BID PROPOSALS. ANY REQUEST OF ANY BIDDER, PURSUANT TO THE FOREGOING SENTENCE THAT IS MADE LESS THAN SEVEN DAYS PRIOR TO THE SCHEDULED CLOSING DATE FOR THE RECEIPT OF BID PROPOSALS SHALL BE DEEMED UNTIMELY. ANY INTERPRETATION OR CORRECTION OF THE CONTRACT DOCUMENTS WILL BE MADE ONLY BY WRITTEN ADDENDUM DULY ISSUED BY THE OWNER OR THE ENGINEER. A COPY OF ANY SUCH ADDENDUM WILL BE MAILED OR OTHERWISE DELIVERED TO EACH BIDDER RECEIVING A SET OF THE CONTRACT DOCUMENTS. NO PERSON IS AUTHORIZED TO RENDER AN ORAL INTERPRETATION OR CORRECTION OF ANY PORTION OF THE CONTRACT DOCUMENTS TO ANY BIDDER, AND NO BIDDER IS AUTHORIZED TO RELY ON ANY SUCH ORAL INTERPRETATION OR CORRECTION. FAILURE TO REQUEST INTERPRETATION OR CLARIFICATION OF THE DRAWINGS, THE SPECIFICATIONS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS PURSUANT TO THE FOREGOING SHALL BE DEEMED TO BE A WAIVER OF ANY DISCREPANCY, DEFECT, OR CONFLICT THEREIN.

4. DIMENSIONS. ALL DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS BEFORE PROCEEDING WITH WORK. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON WORKING DRAWINGS. ALL SIZES OF EQUIPMENT AND MATERIALS SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER. ALL PLUMBING FIXTURES SHALL BE INSTALLED PER THE DIMENSIONS ON THE ARCHITECTURAL DRAWINGS.

5. CODES AND STANDARDS: ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE TITLE 24 2016 CALIFORNIA CODE OF REGULATIONS (CCR); 2016 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 CCR, THE 2016 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 CCR, THE 2016 CALIFORNIA BUILDING CODE, 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, THE STATE OF CALIFORNIA, DSA, THE LOCAL JURISDICTION, AND STANDARD CONSTRUCTION PRACTICES. ALL PLUMBING FIXTURES SHALL BE IN STRICT ACCORDANCE WITH THE FIXTURE SCHEDULE, AND SHALL BE NEW AND FREE FROM DEFECTS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES, AND SHALL OBTAIN APPROVED INSPECTIONS FOR ALL WORK AS REQUIRED BY OWNER, DSA, AND LOCAL JURISDICTION. CONTRACTOR SHALL MAINTAIN IN EFFECT ALL INSURANCE REQUIRED BY STATE LAWS, LOCAL JURISDICTION, AND GENERAL CONTRACTOR / OWNER. WHERE CONFLICT OR VARIATION EXISTS AMONGST CODES, STANDARDS SPECIFICATIONS, OR DRAWINGS, THE MOST STRINGENT SHALL GOVERN.

6. SUBMITTALS REQUIRED: PRIOR TO ORDERING FIXTURES AND MATERIALS, CONTRACTOR SHALL FURNISH SUBMITTALS OF ALL FIXTURES AND MATERIALS PROPOSED FOR USE IN THIS PROJECT. ALL FIXTURES AND MATERIALS SHALL BE INSTITUTIONAL GRADE HEAVY DUTY QUALITY. ORDERING OF FIXTURES AND MATERIALS SHALL ONLY PROCEED AFTER SATISFACTORY REVIEW OF ALL SUBMITTALS BY ENGINEER / OWNER. COPIES OF ALL OWNER'S MANUALS, WARRANTIES, AND OTHER WRITTEN INFORMATION REGARDING SYSTEMS SHALL BE SUBMITTED TO OWNER.

7. CONSTRUCTION OBSERVATION: IN ADDITION TO THE REQUIREMENT FOR OBTAINING INSPECTIONS BY THE LOCAL JURISDICTION, CONTRACTOR SHALL NOTIFY ENGINEER AT APPROPRIATE TIMES DURING THE CONSTRUCTION PROCESS SO THAT ENGINEER CAN VISIT SITE TO BECOME GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF CONTRACTOR'S WORK AND TO DETERMINE IF THE WORK IS PROCEEDING IN GENERAL ACCORDANCE WITH THE CONTRACT DOCUMENTS.

8. TRENCHING: MATERIAL SHALL BE EXCAVATED FROM TRENCHES AND PILED ADJACENT TO THE TRENCH. MATERIAL SHALL BE PILED IN SUCH A MANNER THAT WILL CAUSE A MINIMUM OF INCONVENIENCE TO PUBLIC TRAVEL. ALL ROCK, BOULDERS, AND STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF SIX (6) INCHES UNDER AND AROUND PIPES. EXCAVATIONS SHALL BE KEPT FREE OF WATER. TRENCHES SHALL BE DUG TO TRUE AND SMOOTH BOTTOM GRADES AND IN ACCORDANCE WITH THE LINES INDICATED ON DRAWINGS AND AS DIRECTED. TRENCH WIDTHS SHALL NOT EXCEED 30 INCHES OR 1.5 TIMES OUTSIDE DIAMETER OF THE PIPE PLUS 18 INCHES WHICHEVER IS GREATER. MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF PIPE INSTALLED PLUS 12 INCHES.

DEPTH OF TRENCHING FOR WATER AND GAS PIPING SHALL BE SUCH AS TO GIVE A MINIMUM COVER OF 18 INCHES OVER THE TOP OF THE PIPE. DEEPER EXCAVATION MAY BE REQUIRED DUE TO LOCALIZED BREAKS IN GRADE, OR TO INSTALL THE NEW PIPING UNDER EXISTING CULVERTS OR OTHER UTILITIES WHERE NECESSARY.

TRENCHING FOR SEWERS AND DRAINS SHALL BE OF SUFFICIENT WIDTH TO PERMIT PROPER JOINTING OF THE PIPE AND BACKFILLING OF MATERIAL ALONG THE SIDES OF THE PIPE. TRENCH WIDTH AT THE SURFACE OF THE GROUND SHALL BE KEPT TO THE MINIMUM AMOUNT NECESSARY TO INSTALL THE PIPE IN A SAFE MANNER. TRENCHES SHALL BE EXCAVATED BELOW THE BARREL OF THE PIPE A SUFFICIENT DISTANCE TO PROVIDE FOR BEDDING MATERIAL.

WHERE THE TRENCH BOTTOM IS IN A MATERIAL WHICH IS UNSUITABLE FOR FOUNDATION OR WHICH WILL MAKE IT DIFFICULT TO OBTAIN UNIFORM BEARING FOR THE PIPE, SUCH MATERIAL SHALL BE REMOVED AND A STABLE FOUNDATION PROVIDED. THIS SHALL INCLUDE THE PREPARATION OF THE NATIVE TRENCH BOTTOM AND/OR THE TOP OF THE FOUNDATION MATERIAL TO A UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF PIPE RESTS FIRMLY ON A SUITABLE PROPERLY COMPACTED MATERIAL. GRAVEL TO BE USED FOR FOUNDATION PURPOSES SHALL BE OF A TYPE AND GRADATION TO PROVIDE A SOLID COMPACT BEDDING IN THE TRENCH.

9. BACKFILL: CONTRACTOR SHALL PROTECT BURIED CAST IRON PIPING WITH DOUBLE-WRAPPED 8-MIL POLYETHYLENE, AND PROVIDE BACKFILL 6" MIN. ALL AROUND PIPE USING CLEAN SAND BACKFILL PER THE SOILS REPORT.

TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE PIPE FROM DAMAGE, MOVEMENT AND SHIFTING. COMPACTION EQUIPMENT USED ABOVE THE PIPE ZONE SHALL BE OF A TYPE THAT DOES NOT INJURE THE PIPE. WHERE ORIGINAL EXCAVATED MATERIAL IS UNSUITABLE FOR TRENCH BACKFILL, BACKFILL GRAVEL SHALL BE PLACED. UNSUITABLE MATERIAL SHALL BE REMOVED TO A DISPOSAL AREA. WHEREVER A TRENCH IS EXCAVATED IN A PAVED ROADWAY, SIDEWALK OR OTHER AREA WHERE MINOR SETTLEMENTS WOULD BE DETRIMENTAL AND WHERE NATIVE EXCAVATED MATERIAL IS NOT SUITABLE FOR COMPACTION AS BACKFILL, TRENCH SHALL BE BACKFILLED WITH BACKFILL GRAVEL. WARNING TAPE MARKERS AND TRACER WIRES SHALL BE INSTALLED DURING BACKFILL OPERATIONS.

THE METHOD OF COMPACTION SHALL BE PER THE SOIL'S REPORTS REQUIREMENTS.
WHERE BACKFILL IS REQUIRED TO BE COMPACTED TO A SPECIFIED DENSITY, TESTS FOR COMPLIANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GOVERNING AUTHORITY. ALLOW TESTING SERVICE TO INSPECT AND APPROVE EACH SUBGRADE AND FILL LAYER BEFORE FURTHER FILL, BACKFILL OR CONSTRUCTION WORK IS PERFORMED.

10. PIPING LOCATIONS: PIPING LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL LATERAL STUBS, OFFSETS, OBSTRUCTIONS, ETC. REQUIRED IN THE FIELD. THE ACTUAL LOCATIONS OF LINES, CLEANOUTS AND CONNECTIONS MAY VARY PROVIDED THAT COMPLETE SYSTEMS ARE SIZED AND INSTALLED IN COMPLIANCE WITH CODES. ANY SIGNIFICANT DEVIATIONS FROM THE PLANS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER PRIOR TO INSTALLATION.
11. WATER PIPING: ALL HIGHER PRESSURE (GREATER THAN 80 PSI) SITE PIPING SHALL BE SCHEDULE 80 PVC. ALL REGULATED (80 PSI AND LOWER) UNDERGROUND SITE PIPING SHALL BE SCHEDULE 40 PVC. WITH SOLVENT WELD JOINTS. INSTALL TRACER WIRE FOR PVC PIPE. TRANSITIONS FROM PVC TO COPPER SHALL BE MADE WITH MALE PVC TO FEMALE COPPER ADAPTERS. ALL ABOVE GROUND COLD AND HOT WATER PIPES IN BUILDINGS SHALL BE U.S. MANUFACTURED TYPE "L" HARD COPPER WITH U.S. MANUFACTURED WROUGHT COPPER FITTINGS AND (NON-LEAD) SOLDER SWEAT JOINTS. ALL UNDERGROUND WATER PIPING IN BUILDINGS SHALL BE U.S. MANUFACTURED TYPE "K" SOFT COPPER, WITH NO JOINTS ALLOWED UNDER SLABS. UNDERGROUND JOINTS NOT UNDER SLABS SHALL BE BRAZED. ALL WATER SHUT-OFF VALVES SHALL BE BALL TYPE OF BRONZE CONSTRUCTION, NIBCO S-685-80-D-LF, OR EQUAL. WHERE PIPES PIERCE FINISHED SURFACES, CHROME PLATED CAST BRASS ESCUTCHEONS WITH SET SCREW (BRASSCRAFT CB SERIES OR EQUAL) SHALL BE INSTALLED. LAVATORY AND SINK STOPS SHALL BE HEAVY PATTERN, ANGLE, 1/2" FIP INLET, 1/2" MIP OUTLET, WITH LOOSE KEY, CHROME PLATED C36000 BRASS, BRASSCRAFT HSR87C, KOHLER K-7675, OR EQUAL. CONNECT STOPS WITH CHROME PLATED BRASS NIPPLES INTO FIP ADAPTERS BEHIND ESCUTCHEONS. SUPPLY TUBES SHALL BE BRAIDED STAINLESS STEEL WITH 1/2" FITTINGS AT BOTH ENDS, FLUIDMASTER NO-BURST. DRINKING FOUNTAIN STOPS SHALL BE REGULAR PATTERN, STRAIGHT, WITH LOOSE KEY, BRASSCRAFT OR EQUAL, AND SUPPLY TUBES SHALL BE BRAIDED STAINLESS STEEL, FLUIDMASTER NO-BURST.
12. WASTE AND VENT PIPING: ALL ABOVE GRADE STORM WATER, WASTE, VENTS, FITTINGS SHALL BE U.S. MANUFACTURED "NO-HUB" CAST IRON WITH FOUR-BAND NSF-CERTIFIED STAINLESS STEEL BAND CLAMPS. ALL BURIED CAST IRON PIPING SHALL BE DOUBLE-WRAPPED WITH 8 MIL POLYETHYLENE AND BACKFILLED WITH CLEAN SAND MINIMUM 6" ALL AROUND. (SEE NOTE 9.). UNDERGROUND PIPING SHALL BE PVC PLASTIC GRAVITY SEWER PIPE SCH 40 WITH SOLVENT WELDED FITTINGS. EXTENSIONS TO SERVE CLEANOUTS AT GRADE SHALL BE NO-HUB CAST IRON WITH STAINLESS STEEL BAND CLAMPS. ALL LINES SHALL BE SLOPED @ 1/4"/FT MIN OR IN COMPLIANCE WITH CODE. WHERE VENT PIPES PENETRATE THE ROOF, PIPING SHALL BE FLASHED AND COUNTER-FLASHED. VANDAL-PROOF VENT CAPS (JR SMITH 1748, ZURN Z-193, OR EQUAL) SHALL BE INSTALLED ON EVERY PLUMBING VENT. SINKS SHALL BE INSTALLED WITH ADA COMPLIANT OFFSET PERFORATED GRID DRAIN ASSEMBLIES, AMER STD, OR EQUAL. LAVATORY AND SINK P-TRAPS SHALL BE INSTITUTIONAL GRADE CHROME PLATED VANDAL-PROOF HEAVY DUTY CAST BRASS, McGUIRE MFG CO "VANDAL TRAP", OR EQUAL. FOR SINK INSTALLATIONS WITH HOT WATER ONLY, WITH McGUIRE PROWRAP ADA INSULATION. WHERE DRAINS PENETRATE WALLS, CHROME PLATED CAST BRASS ESCUTCHEONS WITH SET SCREWS SHALL BE INSTALLED. ALL VENT PIPING NOT SHOWN FOR DRAWING CLARITY. VENT ALL FIXTURES PER CPC REQTS.

13. CLEANOUTS: WALL CLEANOUTS SHALL BE CAST IRON CLEANOUT TEE WITH COUNTERSUNK BRONZE PLUG AND ROUND STAINLESS STEEL COVER WITH VANDAL-PROOF -SCREWS - J.R. SMITH 4532S-UY; ZURN Z-1446-BP-VP, OR EQUAL. FLOOR CLEANOUTS SHALL BE CAST IRON BODY WITH BRONZE PLUG AND SQUARE ADJUSTABLE NON-SKID NICKEL-BRONZE TOP WITH VANDAL PROOF TOP FOR FINISHED FLOOR, J.R. SMITH 4043S-PB, ZURN ZN-1400-TVP, OR EQUAL. CLEANOUTS TO GRADE SHALL BE J.R. SMITH 4253S OR EQUAL WITH BRONZE PLUG AND NON-SKID COVER WITH LIFTING DEVICE SET FLUSH WITH SURFACE FOR PAVED AREAS. NON-TRAFFIC OR NON-SURFACED AREAS SHALL BE INSTALLED WITH CAST IRON CLEANOUT RISERS TERMINATING WITH BRONZE PLUG WITHIN CONCRETE YARD BOX WITH CAST IRON COVER AND THE WORDS "BUILDING SEWER CLEANOUT" MARKED ON COVER.

14. PIPING SUPPORT: ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2016 CALIFORNIA PLUMBING CODE. HORIZONTAL WATER PIPES AND CONDENSATE DRAINS SHALL BE HUNG WITH SUPERSTRUT C-727-F ADJUSTABLE FELT-LINED PIPE HANGERS, THREADED ROD, AND BEAM ATTACHMENT BRACKETS, LOCATED AT SIX FOOT MAXIMUM INTERVALS. VERTICAL WATER PIPES AND CONDENSATE DRAINS SHALL BE SUPPORTED AT THEIR BASES AND AT EACH STORY OR AT TEN FOOT MAXIMUM INTERVALS, TO PREVENT SWAYING, PROVIDE LATERAL BRACING AT SIX FOOT INTERVALS ANCHORED TO OVERHEAD FRAMING. HORIZONTAL NATURAL GAS PIPING SHALL BE SUSPENDED WITH THE SAME HARDWARE AS FOR WATER PIPING, EXCEPT WITHOUT FELT LINER, LOCATED EVERY TEN FEET FOR PIPES 3/4" AND SMALLER, AND TWELVE FEET MAXIMUM FOR PIPES 1" AND LARGER. VERTICAL NATURAL GAS PIPING SHALL BE SUPPORTED AT EACH STORY HEIGHT. TO PREVENT SWAYING, PROVIDE LATERAL BRACING AT TEN FOOT INTERVALS ANCHORED TO OVERHEAD FRAMING.

HORIZONTAL CAST IRON PIPING SHALL BE HUNG WITH SUPERSTRUT C-710 ADJUSTABLE CLEVIS HANGERS, THREADED ROAD, AND BEAM ATTACHMENT BRACKETS, LOCATED AT FIVE FOOT MAXIMUM INTERVALS. TO PREVENT SWAYING, PROVIDE LATERAL BRACING AT FIVE FOOT INTERVALS ANCHORED TO OVERHEAD FRAMING. VERTICAL PIPING SHALL BE SUPPORTED AT EACH FLOOR WITH SUPERSTRUT C-720 RISER CLAMPS AND AT MIDSPAN WITH C-708 CLAMPS INTO SUPERSTRUT CHANNEL.

15. INSULATION: INSULATE ALL HOT WATER PIPING WITH 1 INCH THICK FIBERGLASS WITH ALL-SERVICE JACKET INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. THERE SHALL BE NO GAPS IN THE INSULATION. INSULATE DRAIN TRAPS BELOW SINKS WITH MCGUIRES PROWRAP ADA INSULATION. INSTALL LAVS WITH TRUEBRO LAV SHIELDS.

16. TESTING: ALL PIPING AND FIXTURES INSTALLED SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2016 CALIFORNIA PLUMBING CODE. ALL FIXTURES AND EQUIPMENT SHALL BE FUNCTION TESTED WITH A WRITTEN REPORT PROVIDED DETAIL THE PROPER OPERATION AND ADJUSTMENT OF EACH FIXTURE OR PIECE OF EQUIPMENT.

17. ROUGH-IN: EXCEPT WHERE INDICATED IN THE FIXTURE SCHEDULE FOR ACCESSIBLE FIXTURES, PIPING ROUGH-IN SHALL BE IN PRECISE ACCORDANCE WITH THE STANDARD ROUGH-IN DIMENSIONS PUBLISHED BE THE MANUFACTURER. ALL FIXTURES SHALL BE LOCATED IN STRICT CONFORMANCE WITH THE ARCHITECTURAL PLANS. COORDINATE W/ FRAMING & CONCRETE CONTRACTORS FOR BACKING & BLOCKOUTS AS REQD.

18. STERILIZATION: ALL WATER PIPING SHALL BE FLUSHED AND STERILIZED. FLUSH EACH UNIT OF WATER SUPPLY AND DISTRIBUTION SYSTEM THOROUGHLY WITH CLEAN WATER AT THE HIGHEST VELOCITIES ATTAINABLE. STERILIZE WATER LINES BY FILLING WITH A SOLUTION CONTAINING FIFTY (50) PARTS OF CHLORINE PER MILLION PARTS OF WATER AND HOLDING THE SOLUTION THEREIN FOR AT LEAST EIGHT (8) HOURS WITH A WATER HEAD OF AT LEAST FIVE FEET ABOVE THE HIGHEST POINT IN THE SYSTEM. CONTINUE FLUSHING UNTIL THE RESIDUAL CHLORINE IS APPROXIMATELY, BUT NOT MORE THAN, TWO (2.0) PARTS PER MILLION. TAKE SAMPLES PER LAB REQUIREMENTS AND PROVIDE TEST RESULTS. IF HARMFUL BACTERIA ARE PRESENT, REDO STERILIZATION PROCEDURE.

19. NATURAL GAS PIPING: ALL ABOVE GROUND NATURAL GAS PIPING SHALL BE US MANUFACTURED BLACK (INTERIOR) OR GALVANIZED (EXTERIOR) SCH. 40 STEEL PIPE WITH 150 POUND BLACK OR GALVANIZED THREADED FITTINGS. PROVIDE A CAPPED DIRT LEG IN EACH PIPE SERVING GAS BURNING EQUIPMENT. EXTERIOR ABOVE GRADE GAS PIPING SHALL BE GALVANIZED SCH. 40 PIPE WITH GALVANIZED FITTING. FINAL CONNECTIONS TO APPLIANCE SHALL HAVE A DEDICATED SHUT OFF VALVE AND DORMONT FLEXIBLE GAS CONNECTOR.

20. LOW-FLOW FIXTURES: THE PLUMBING FIXTURES AND PLUMBING FITTINGS SHALL MEET THE FOLLOWING STANDARDS: TOILETS - 1.28 GALLONS PER FLUSH MAX. URINALS - .125 GALLONS PER FLUSH MAX. SHOWER HEADS - 2.0 GPM MAX. LAVATORY FAUCETS - 0.5 GPM MAX. SINK FAUCETS - 1.8 GPM MAX. ALL FIXTURES SHALL MEET APPLICABLE ANSI STDS.

21. MAINTAIN A MINIMUM OF FIFTEEN FEET OF CLEARANCE BETWEEN ANY AIR INTAKE AND ALL VENTS AND FLUES.

22. CORRECTION OF WORK: THE CONTRACTOR SHALL PROMPTLY CORRECT ALL WORK THE COLLEGE FINDS DEFECTIVE OR FAILING TO CONFORM TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BEAR ALL COSTS REQUIRED BY THE CONTRACT DOCUMENTS. IF ANY OF THE WORK IS FOUND TO BE DEFECTIVE OR NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL CORRECT IT PROMPTLY AFTER RECEIPT OF A WRITTEN NOTICE FROM THE COLLEGE TO DO SO.

23. AS-BUILT DRAWINGS SHALL BE GIVEN TO THE COLLEGE PRIOR TO ACCEPTANCE OF THE PROJECT.

24. WARRANTY: THE CONTRACTOR SHALL WARRANT THAT ALL SYSTEMS, SUBSYSTEMS, AND COMPONENT PARTS ARE FULLY FREE FROM DEFECTIVE DESIGN, MATERIALS, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE COLLEGE.

25. CLEANUP: CONTRACTOR SHALL THOROUGHLY CLEAN ENTIRE JOBSITE EVERY DAY OF ALL DEBRIS ASSOCIATED WITH MECHANICAL & PLUMBING INSTALLATION.

26. COORDINATION DURING CONSTRUCTION: THE CONTRACTOR SHALL COORDINATE ANY NECESSARY CHANGES IN WORK SCHEDULING WITH COLLEGE TO MINIMIZE THE DISRUPTION. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY HIS WORK TO BUILDING(S), SITE IMPROVEMENTS AND EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.

27. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.

28. AT ACCESSIBLE TOILETS COORDINATE WITH GRAB BAR INSTALLATION. PROVIDE OFFSET TAILPIECES IF NEEDED.

29. ALL PIPING SHOWN IS DIAGRAMMATIC, COORDINATE CAREFULLY WITH OTHER TRADES TO AVOID CONFLICTS.PROVIDE ALL PIPING OFFSETS, TRANSITIONS, SUPPORTS REQUIRED TO AVOID OTHER TRADES.

30. INSTALL PLUMBING VENTS PER CPC REQUIREMENTS. SIZE PER TABLE 703.2. INCREASE ONE VENT SIZE AT HORIZONTAL RUNS EXCEEDING 1/3 TOTAL PERMITTED LENGTH PER 904.2. PROVIDE ALL CORING REQUIRED AND FLASHING AND VENT CAP AT ROOF TERMINATION. INSTALL METRALOOP OR EQUAL SEISMIC PIPE ASSEMBLY AT BUILDING SEISMIC JOINT. NOTE: CONCRETE BEAM AT SEISMIC JOINT FOR ELEVATION OF SEWER VENTING. VENT SHALL BE LEVEL OR SLOPE UP. ALL SEWER VENTS ARE NOT SHOWN FOR DRAWING CLARITY. PROVIDE AS-BUILT PLUMBING VENT PLAN AT CONCLUSION OF CONSTRUCTION.

31. PROVIDE ALL BACKING FOR FIXTURE AND PIPING INSTALLATION.

NATURAL GAS PIPE SIZING PER CPC - CHAPTER 12, TABLE 1216.2(1)
MOORPARK COLLEGE GYMNASIUM

EQUIPMENT	QTY	BTUH/EA	TOTAL BTUH
BOILERS	5	850,000	4,250,000
DRYERS	2	270,000	540,000
TOTAL			4,790,000
CFH @ 1,000 BTUH / CF			4,790 CFH

DISTANCE TO FURTHEST APPLIANCE: 150 FT.

FROM TABLE 1216.2(1) (150 FT.)

SIZE:	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
CFH:	40	83	157	322	482	928	1500	2610	5330

MOORPARK COLLEGE GYMNASIUM HOT WATER CALCULATIONS

	QTY	FLOW (GPH)	GALLONS PER HOUR	DIVERSITY 40%	
LAVATORY	30	8	240	98	
SHOWERS	27	105	2835	1134	
WASHING MACHINGS	2	120	240	240	NO DIVERSITY
WHIRLPOOL TUB	4	123	492	369	75% DIVERSITY
TOTAL				1841	

ΔT = TEMPERATURE RISE 140 - 55 = 85 °F 85 °F
Y = GALLONS/ HR X WEIGHT OF GALLON OF H20 1927 X 8.34 = 15019 LBS 15353 LBS
TOTAL BTUH REQUIRED Q = ΔT X Y 1305 MBTUH

MOORPARK COLLEGE GYMNASIUM WATER PIPING SIZING PER CPC- APPENDIX A

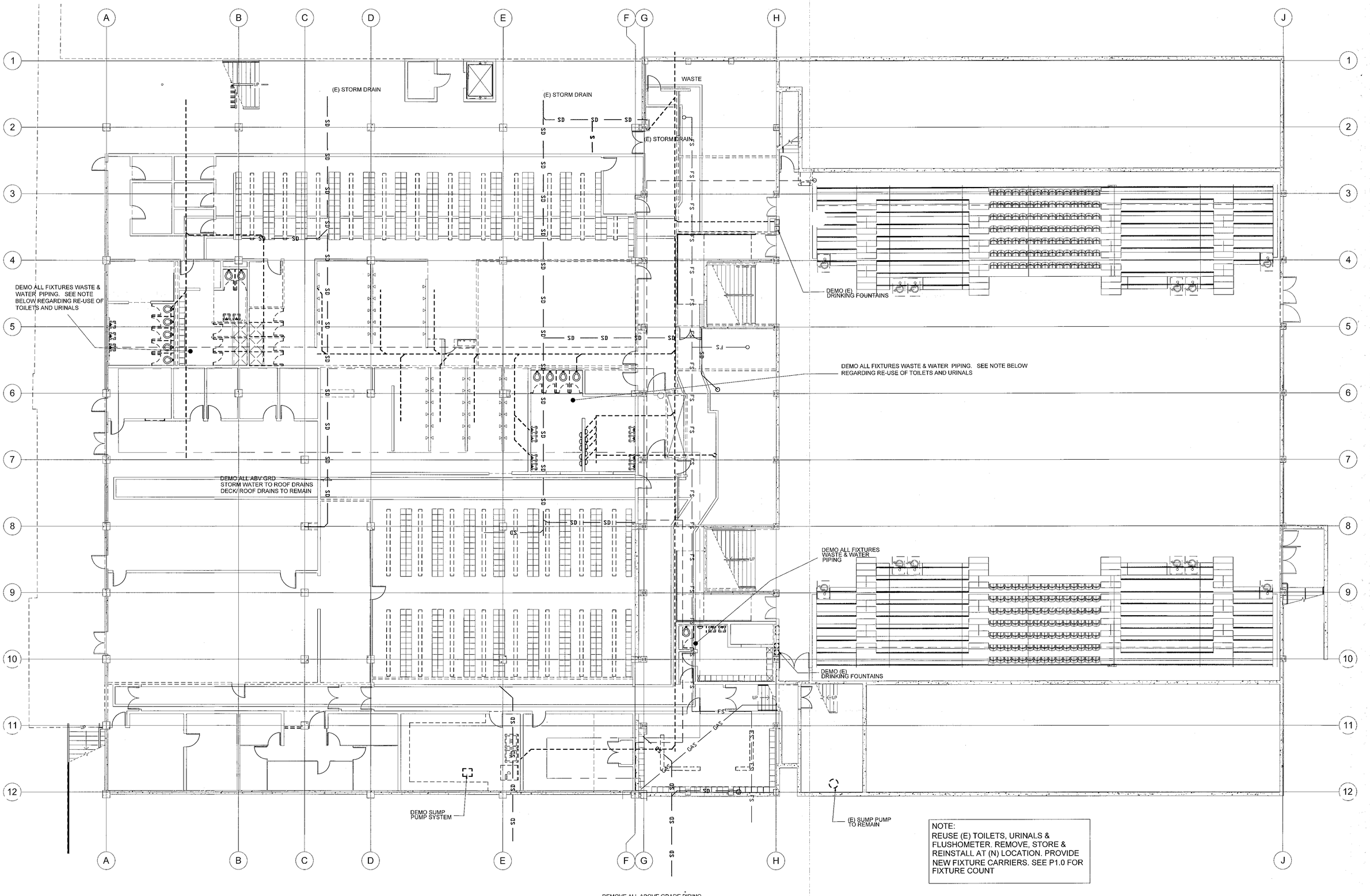
	QTY	CW FU	HW FU	WASTE FU	CW FU TOTAL	HW FU TOTAL	WASTE FU TOTAL		
WATER CLOSET	19	5	-	4	95	-	76		
ASSEMBLY WATER CLOSET	13	8	-	6	104	-	78		
LAVATORY	19	1	.75	1	19	14.25	19		
ASSEMBLY LAVATORY	11	1	.75	1	11	8.25	11		
URINALS	10	4	-	2	40	-	20		
ASSEMBLY URINALS	4	5	-	5	20	-	20		
SINK (S-1)	1	1.5	1.125	2	1.5	1.125	2		
SINK (S-2)	1	1.5	1.125	2	1.5	1.125	2		
SINK (S-3)	1	1.5	1.125	2	1.5	1.125	2		
DRINKING FOUNTAIN/BOTTLE FILLER	2	0.5	-	0.5	1	-	1		
SHOWER (SH-1)	21	2.0	1.5	2	42	31.5	42		
SHOWER (SH-2)	6	2.0	1.5	2	12	9	12		
WHIRLPOOL TUB	4	4.0	3.0	2	16	12	8		
ICE MACHINE - WATER FILTER	2	1.0	-	-	2	-	-		
WASHER	2	4.0	3.0	3	8	6	6		
MOP SINK	2	3.0	2.25	3	6	4.5	6		
TOTAL FIXTURE UNITS					380.5	88.875	305		
SITE WATER PRESSURE (BEFORE PRESSURE REGULATOR)							105	PSI	
PRESSURE AT BUILDING (AFTER PRESSURE REGULATOR)							70	PSI	
DEMAND LOAD FROM CHART A-3							150	GPM	
MAXIMUM DISTANCE TO FURTHEST FIXTURE							205	FT.	
PLUS 50% FOR FITTINGS							102.5	FT.	
TOTAL							307.5	FT.	
MIN. PRESSURE AT FIXTURE							25	PSI	
PRESSURE AVAILABLE FOR FRICTION					70 PSI - 25 PSI = 45 PSI		45	PSI	
PRESSURE AVAILABLE PER HUNDRED FEET OF COPPER					(45 PSI / 307.5 FT.) X 100 = 14.6 PSI/100 FT.				

PIPE SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
CW (MAX. GPM @ 7 FPS)	4 GPM	10 GPM	18 GPM	27 GPM	37 GPM	64 GPM	100 GPM	160 GPM	250 GPM
TANK TYPE FIXTURE UNITS	4	13	26	46	74	195	380	692	1335
FLUSH VALVE FIXTURE UNITS	-	-	-	10	23	88	245	631	1335
HW (MAX. GPM @ 5 FPS)	3.5 GPM	7.5 GPM	14 GPM	19 GPM	28 GPM	48 GPM	71 GPM	120 GPM	180 GPM
TANK TYPE FIXTURE UNITS	3	9	20	28	49	119	230	479	809

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC SECTION 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26, AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVEABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED(E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATI



NOTE:
REUSE (E) TOILETS, URINALS & FLUSHOMETER. REMOVE, STORE & REINSTALL AT (N) LOCATION. PROVIDE NEW FIXTURE CARRIERS. SEE P1.0 FOR FIXTURE COUNT

REMOVE ALL ABOVE GRADE PIPING & RELATED MATERIALS. REMOVE UNDERGROUND PIPING AS NEEDED FOR INSTALLATION OF NEW PIPING. SEAL ENDS OF ANY ABANDONED PIPING

NORTH

1 FIRST FLOOR PLUMBING - DEMOLITION PLAN
1/8" = 1'-0"

CONSULTANT

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Ventura, California 93001
(805) 653-1722 FAX: (805) 653-7260
email: hugh@aegroupme.com

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS ___ SS ___
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JORIE WHITTLE STATE OF CALIFORNIA C-30348 RENEWAL DATE JANUARY 31, 2019

REGISTERED PROFESSIONAL ENGINEER HUGH A. MCTIERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
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(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

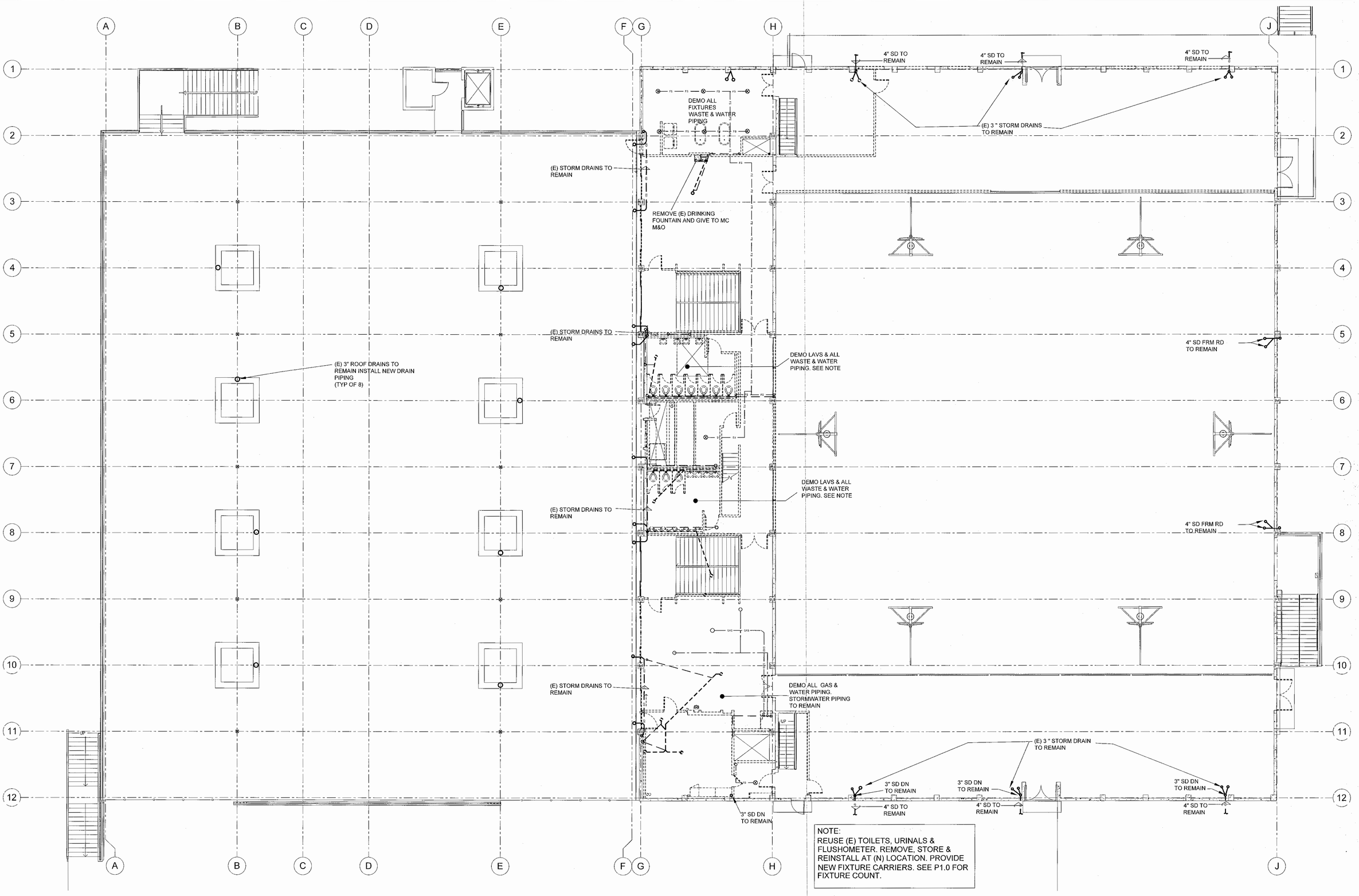
BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/18
	DRAWN: HM/JS
	CHECK: HM/PW
	JOB NO:

FIRST FLOOR PLUMBING
DEMOLITION PLAN
IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

P2.00
OF



NOTE:
REUSE (E) TOILETS, URINALS & FLUSHOMETER. REMOVE, STORE & REINSTALL AT (N) LOCATION. PROVIDE NEW FIXTURE CARRIERS. SEE P1.0 FOR FIXTURE COUNT.

1 SECOND FLOOR PLUMBING - DEMOLITION PLAN

1/8" = 1'-0"

NORTH

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LICENSED ARCHITECT WILLIAM FORE AMADOR C-20349 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. MCTERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD.
MOORPARK, CA
93021

BACKCHECK SUBMITTAL

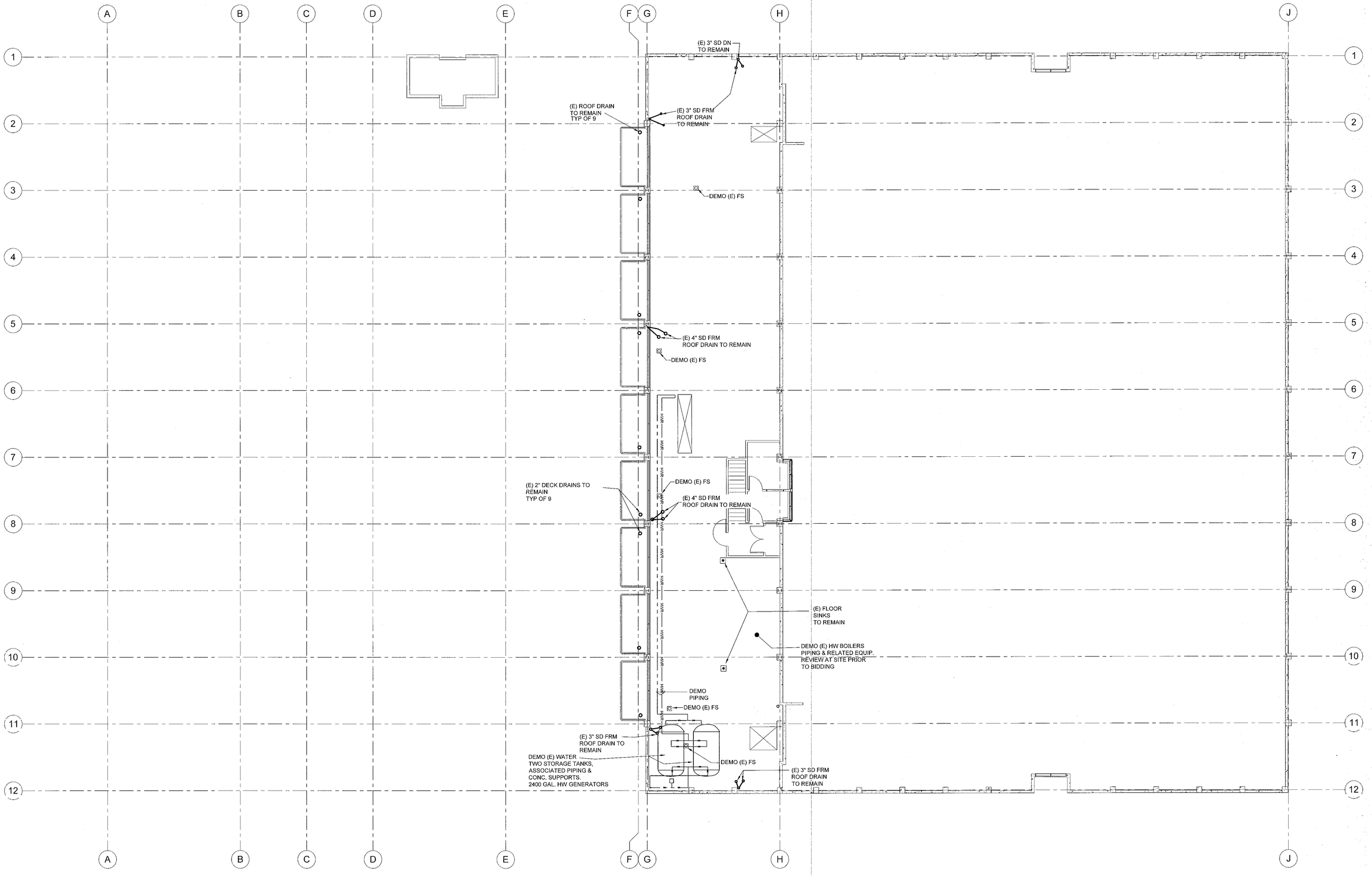
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SECOND FLOOR PLUMBING DEMOLITION PLAN

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

P2.01 ___ OF ___



1 MEZZANINE PLUMBING - DEMOLITION PLAN
1/8" = 1'-0"

NORTH

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LICENSED ARCHITECT WILLIAM JORGE AMADOR C-26348 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. MCTERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

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MEZZANINE PLUMBING
DEMOLITION PLAN

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

P2.02
___ OF ___

AT START OF CONSTRUCTION POTHOLE ALL POC'S TO VERIFY SIZE AND INVERT. PROVIDE SURVEYED INVERTS TO ENGINEER & ARCHITECT. SHOW ON AS-BUILTS

POC TO (E)

INVERT -84" BELOW FINISHED FLOOR

(E) SITE SEWER

POC

COTG

DOUBLE TWO WAY COTG TYP.

2 P3.00 TYP.

6" WASTE @ 2% SLOPE

(N) 6" WASTE

2" WASTE

INSTALL FLOOR SINK 1" ABOVE SLAB TO PREVENT STORM WATER INTRUSION. INSTALL JR SMITH QUAD CLOSE TRAP SEAL

1-1/2" VENT TO TOP OF WALL W/ STUDOR OUTDOOR VENT AT OUTLET

10' TYP

6" STORM DRAIN

4" WASTE

3" SD

3" SD FRM ABV

6" WASTE

SEE 5/S0.10 (TYP)

6" SD

1" CW UP

1" HW & 3/4" HWR UP TO AND FROM MEZZ.

3" VENT UP

CORE WALL & INSTALL METRASEAL AND CAULKING

3 P3.00

2 P3.01

2 HR RATED SHAFT ABOVE FIRE CAULK PENETRATIONS INSTALL SLEEVES IN NEW CONCRETE OR CORE (E) CONCRETE. AVOID CUTTING REBAR (TYP AT THREE SHAFTS)

SOV 1

16 P4.00

2" VENT

2" CW

6" WASTE

6" SD UNDRGRD

3" RW FRM ABV

6" SD DWN 4" CO @ 24" AFF

4" SD @ 1/4"/FT OVRHD

2" WASTE

3" DN.

3" FRM ABV

ABV CLG

5 P3.01

3" RW FRM ABOVE

6 P3.01

4 P3.01

WCO

3" RW FRM ABV

3/4" COND DRAIN TO FS

1 M1.01

1-1/2" VENT

TYP FOR CONDENSATE PUMP CONNECT COND. DRAIN TO PUMP ASSEMBLY

24 FU CWV

3" RW DN.

7 P3.01

4" SD

16 P4.00

4" VENT

4" SD

WOMEN'S LOCKERS SHOWERS 121B

WOMEN'S LOCKERS C 120C

WOMEN'S LOCKERS B 120B

WOMEN'S LOCKERS A 120A

WOMEN'S LOCKERS RESTROOM 121

WOMEN'S STAFF RESTROOM 104D

WOMEN'S STAFF SHOWERS 104C

WOMEN'S STAFF LOCKERS 104B

VEST. 104A

OFFICE 105

STORAGE G-1A

ACADEMIC STUDENT SUCCESS 102

MEETING 103

MECHANICAL ROOM 130

IDF 1 131

ELEC. RM 136

WEIGHT ROOM 101

FITNESS 102

STORAGE 100A

MECHANICAL ROOM 100

OFFICE 126A

OFFICE 126B

PRIVATE CONSULTATION 126C

WET ROOM 124

TRAINING ROOM 126

RESTROOM 122

VEST. 121

VEST. 120

CORRIDOR 111

HALL 106

ELEV. MACHINE ROOM 132

RATED SHAFT ABV

CORR 104

GALLERY A GALL-A

GALLERY B GALL-B

GALLERY C GALL-C

GALLERY D GALL-D

GALLERY E GALL-E

GALLERY F GALL-F

STORAGE 107

WOMEN'S RESTROOM 108

CUSTODIAL 133

MEN'S RESTROOM 109

STORAGE 110

GYM G-1

(E) 4" FRM ABOVE

3/4" COND DRAIN FROM CEILING CASSETTES TO LAV TAILPIECE SEE 1/M1.01

2-1/2" CW

4" WASTE

OFFICE 117

OFFICE 118

OFFICE 119

COPY 129

OFFICE 128

OFFICE 127

EQUIPMENT OFFICE 125

MEN'S LOCKERS RESTROOM 123A

MEN'S ASSISTANT LOCKERS 113B

OFFICE 112

VEST. 113

MEN'S LOCKERS 113A

CORRIDOR 114

ELECTRICAL ROOM 134

EQUIPMENT 125A

LAUNDRY 125B

MEN'S LOCKERS SHOWERS 123B

MEN'S STAFF RESTROOM 116A

MEN'S STAFF LOCKERS 116

3" RW DN ABV (E) PTG TYP

3" RW DN

3" RW FRM ABV

4" VENT

3" RW DN

3" WASTE

2-1/2" CW

2" CW

3" WASTE FRM ABV
4" VENT UP
2" HW FRM ABV
1" HWR UP
4" GAS UP
2" CW UP

2" WASTE FRM ABV

CONDENSATE PUMP

3/4" CONDENSATE TO DRYWELL FROM FAN COIL. PIPE PATH THROUGH VENTILATION OPENING

4" SD UDR GRD

2" CW

3" VENT

2" HW

1" HWR

4" VENT

2" G

2" HW

2" GAS

2-1/2" CW

(E) GAS

(N) 4" SD UNDER GRD

POC

POC TO (E)

(N) 4" SD UNDER GRD

SEE 5/S0.10 (TYP)

(E) 4" DOMESTIC COLD WATER

(E) RP BACKFLOW TO REMAIN

DRYWELL

20 P4.00 VENT GRATE

RATED SHAFT ABOVE FIRE CAULK PENETRATIONS INSTALL SLEEVES IN NEW CONCRETE OR CORE (E) CONCRETE. AVOID CUTTING REBAR (TYP AT THREE SHAFTS)

POTHOLE TO VERIFY INVERT PRIOR TO BEGINNING PIPING TYP

(E) GAS REGULATOR & SOV TO REMAIN EGV 1

INSTALL (N) SEISMIC SAFETY VALVE W/ UNION. REPIPE AS REQD. PAINT TO MATCH

(N) 4" DOMESTIC COLD WATER CUT & PATCH CONC. SLAB AT GRADE

(E) MED. PRESSURE GAS SUPPLY WITH (E) PRESSURE REG. AND (E) SEISIMIC SAFETY VALVE. LITTLE FIREFIGHTER MODEL VAGV-150

NOTES:
1. REINSTALL EXISTING LOW FLOW TOILETS, URINALS & FLUSHOMETERS. PROVIDE NEW CARRIERS & HARDWARE.

2. MAIN SEWER VENT ROUTES SHOWN. FINAL CONNECTIONS OMITTED FOR CLARITY. INSTALL VENTING PER CPC REQTS. AT THE BEGINNING OF CONSTRUCTION CAREFULLY LAYOUT ALL PIPING TAKING INTO ACCOUNT SEISMIC JOINT, BUILDING ELEMENTS AND OTHER TRADES.

3. VERIFY LOCATION AND INVERT OF ALL POINTS OF CONNECTION AT BEGINNING OF PROJECT. SHOW LOCATION AND INVERT ON AS-BUILT DRAWINGS

1. FINISHED GRADE
2. 4" DEEP CONCRETE PAD IN UNPAVED AREA. EXTEND 6" MIN ALL AROUND BOX.
3. LABEL COVER "SEWER"
4. BRONZE CLEANOUT PLUG.
5. 1/2" SLOPE
6. PRE-CAST CONCRETE BOX WITH CAST IRON COVER (CHRISTY or EQUAL W/ TRAFFIC RATED LID)
7. COMBY TEE

2 P3.00 SURFACE CLEANOUT TO GRADE (COTG) (TYP) SCALE: NONE

INTERIOR EXTERIOR 4" TYPE L COPPER WATER PIPE METRASEAL MS-325 6" Ø CONCRETE CORE SCOPE FOR REBAR AND AVOID CUTTING

3 P3.00 PIPE PENETRATION AT CONCRETE WALL SCALE: NONE

KEYED HOSE BIB
GALV STRUT W/ CLAMP SECURE STRUT TO WALL W/ SIMPSON TITEN STAINLESS SCREW AT EACH SIDE 1/4" DIA. MIN EMBED 1-5/8" ICC ESR 2713
3/4 TYPE L COPPER WATER PIPE
METRASEAL MS-200 2" Ø CONCRETE CORE SCOPE FOR REBAR AND AVOID CUTTING

1 FIRST FLOOR - PLUMBING PLAN
1/8" = 1'-0"

NORTH

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LICENSED ARCHITECT WILLIAM JORGE AMADOR C-32349 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. McTERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

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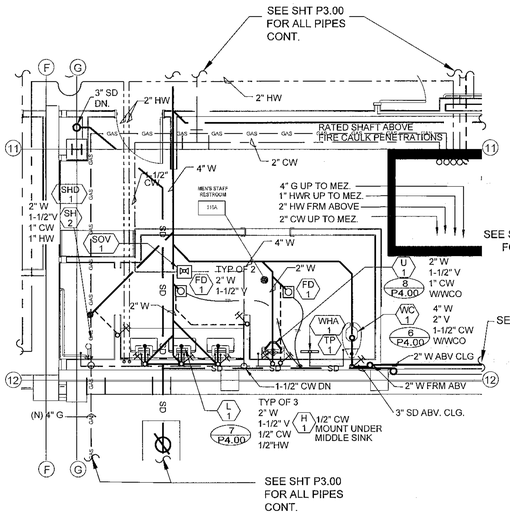
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FIRST FLOOR PLUMBING PLAN

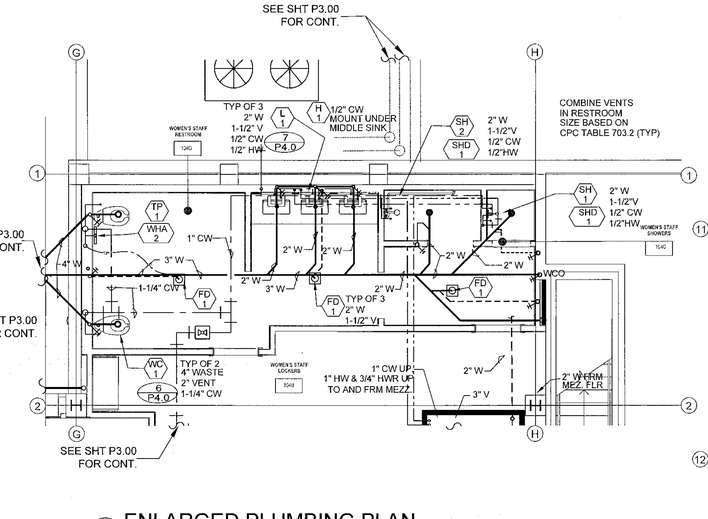
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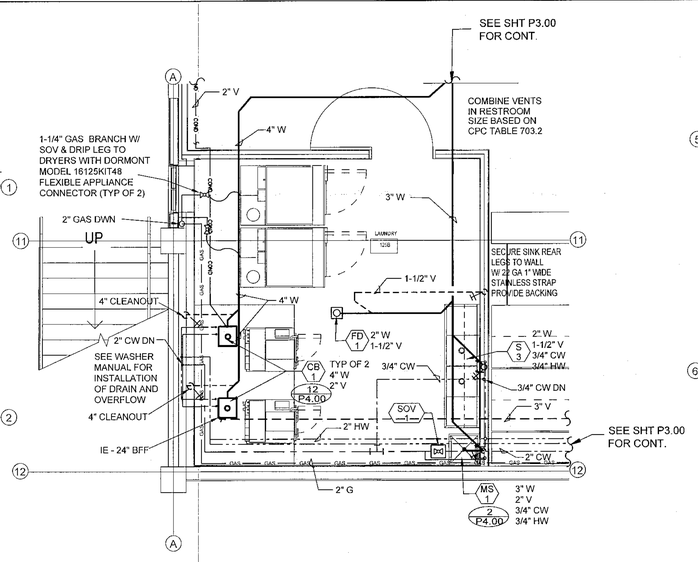
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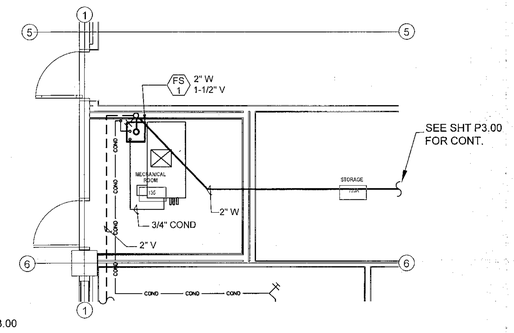
1 ENLARGED PLUMBING PLAN
1/4" = 1'-0"



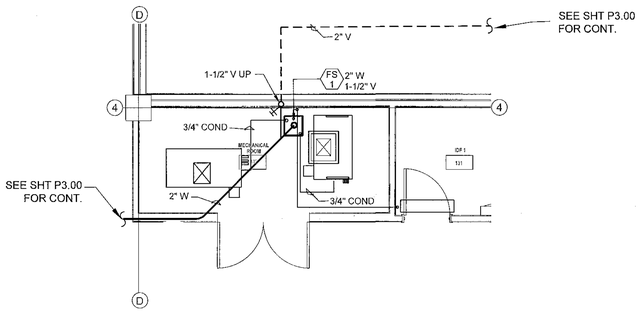
2 ENLARGED PLUMBING PLAN
1/4" = 1'-0"



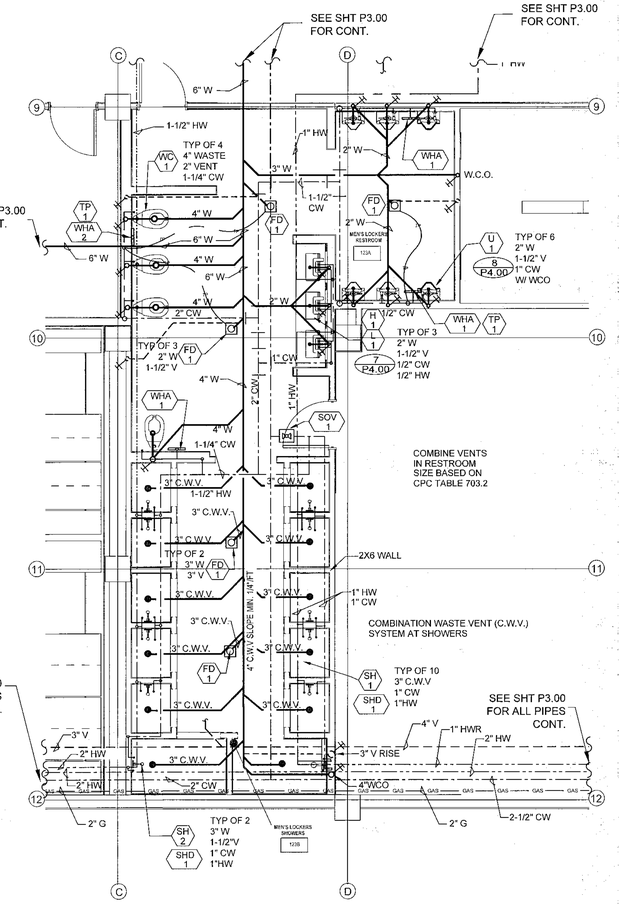
3 ENLARGED PLUMBING PLAN
1/4" = 1'-0"



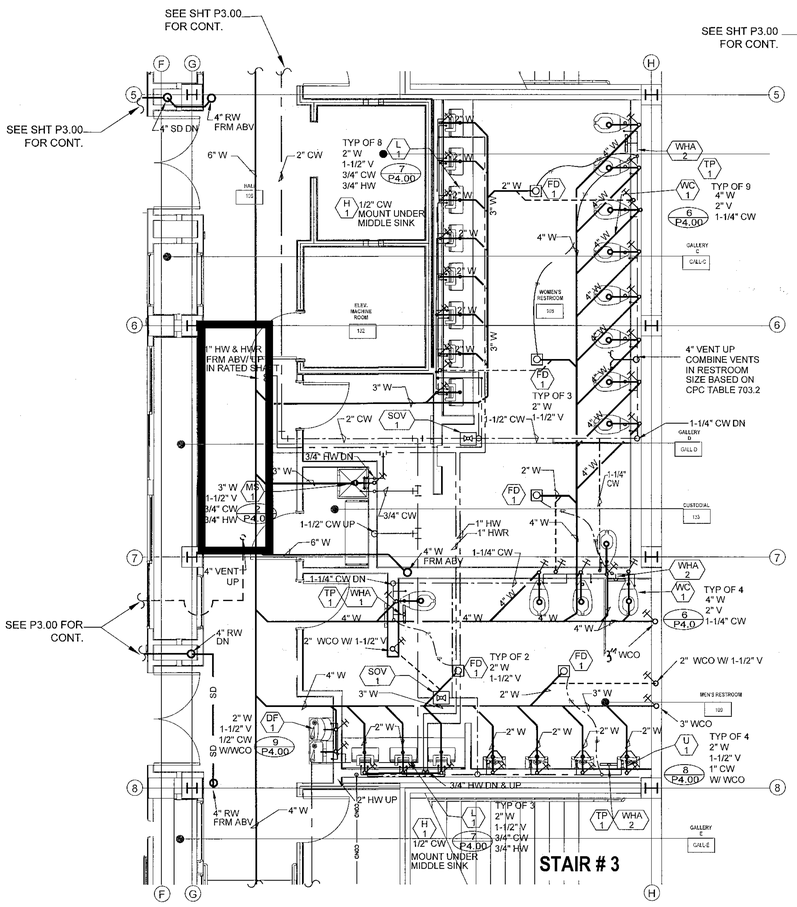
4 ENLARGED PLUMBING PLAN
1/4" = 1'-0"



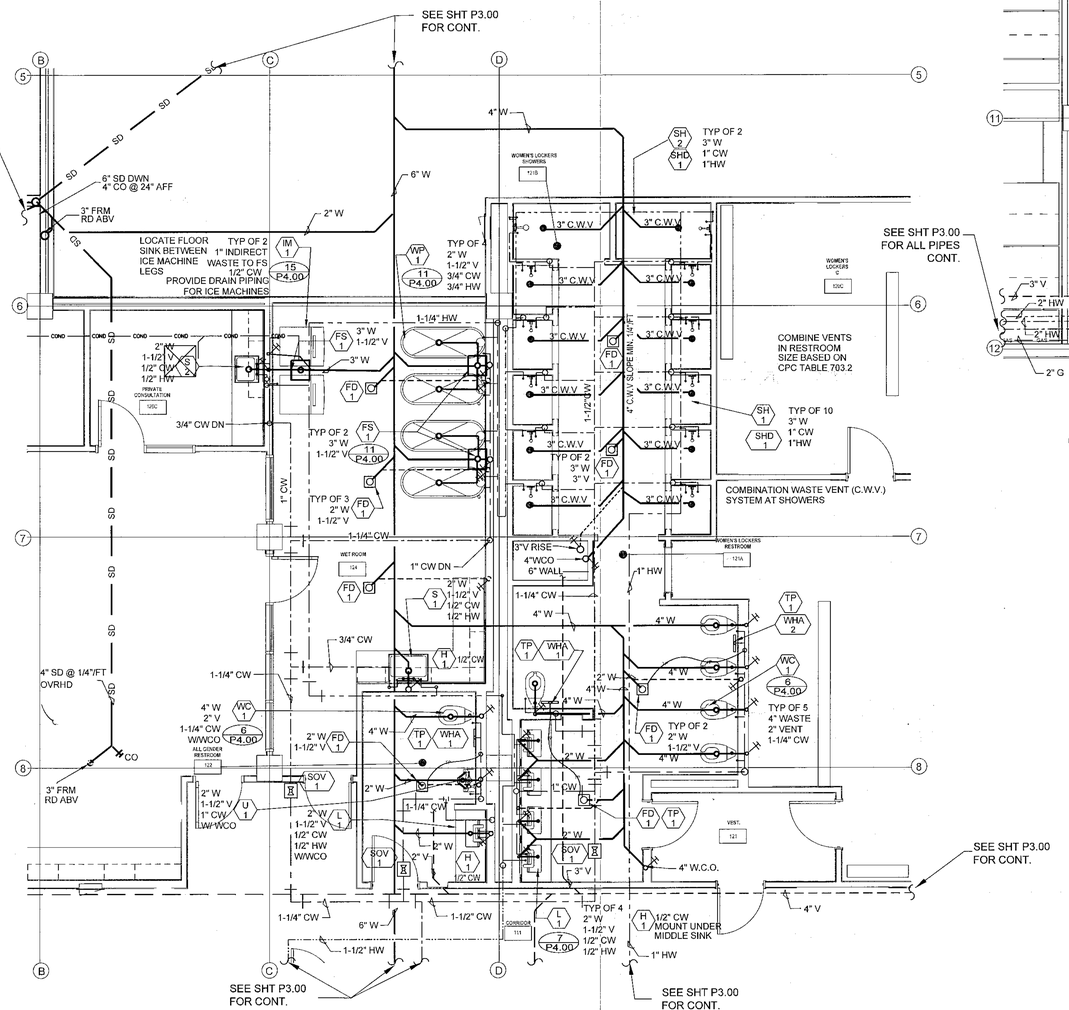
5 ENLARGED PLUMBING PLAN
1/4" = 1'-0"



8 ENLARGED PLUMBING PLAN
1/4" = 1'-0"



6 ENLARGED PLUMBING PLAN
1/4" = 1'-0"



7 ENLARGED PLUMBING PLAN
1/4" = 1'-0"

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LICENSED ARCHITECT HUGH A. METERAN C-20348 JANUARY 31, 2019 RENEWAL DATE
REGISTERED PROFESSIONAL ENGINEER HUGH A. METERAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

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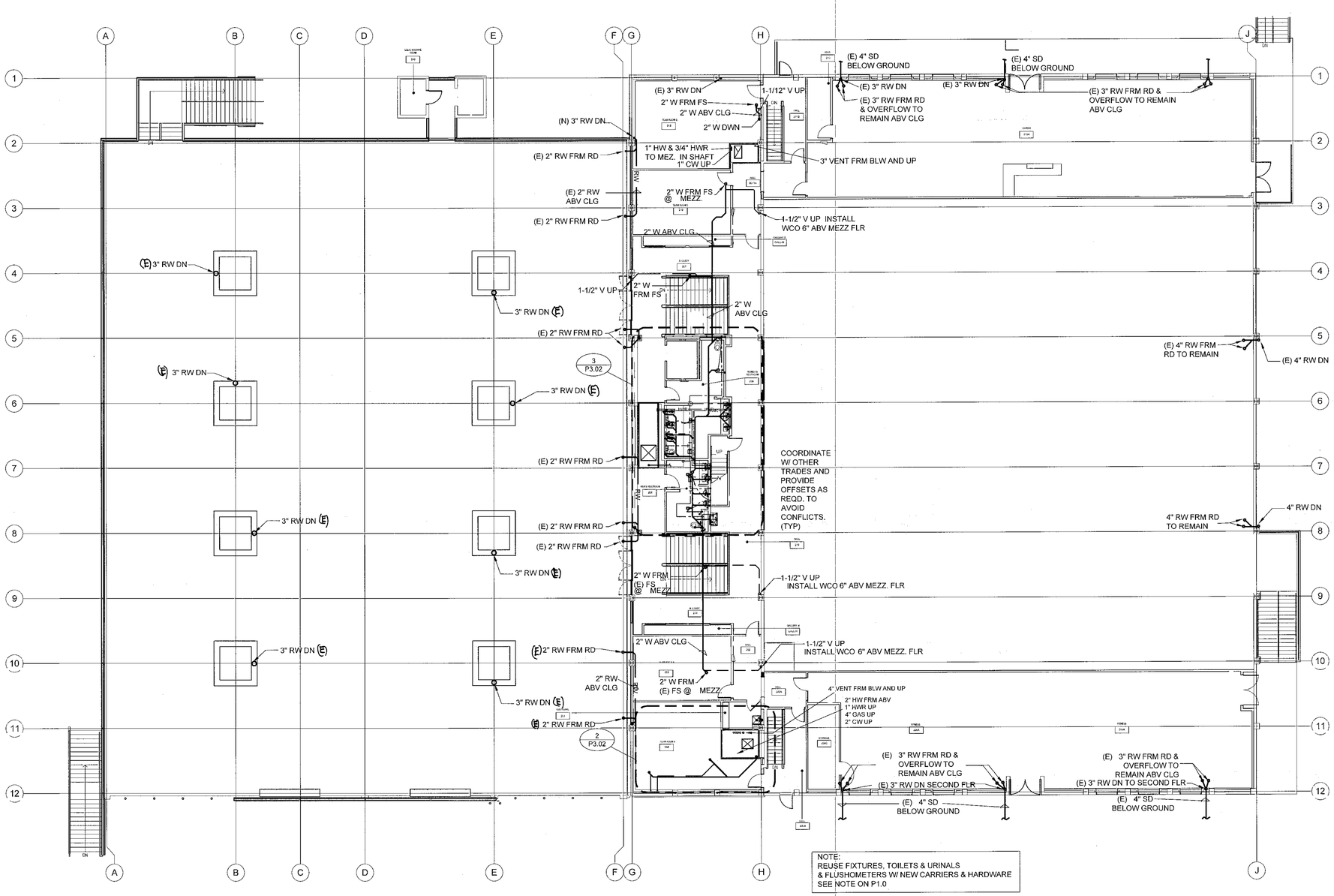
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ENLARGED PLUMBING PLANS

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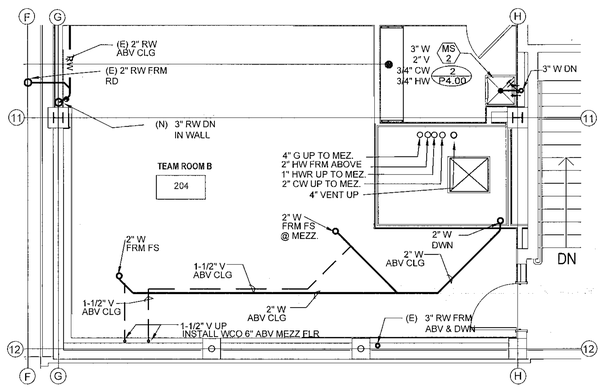
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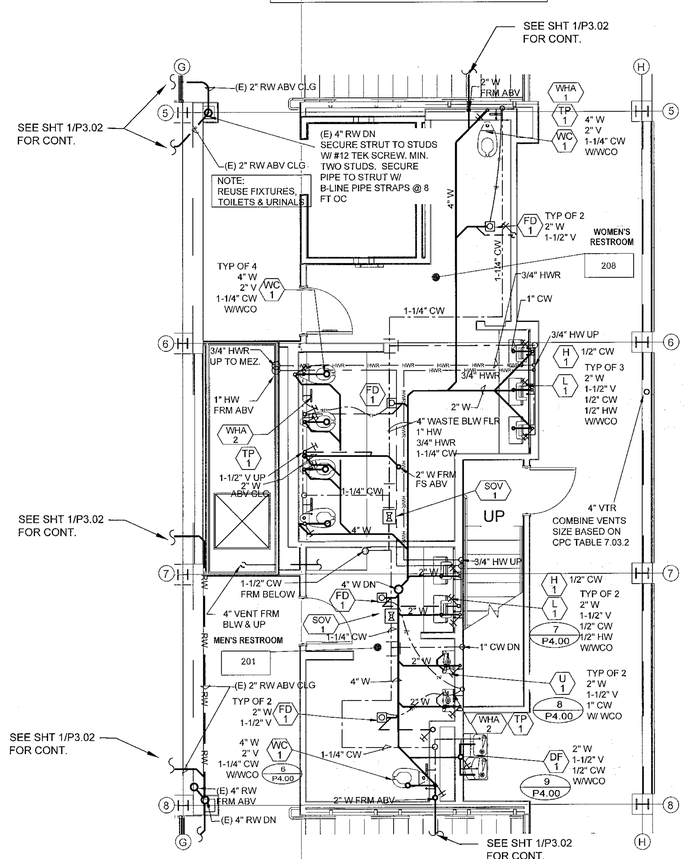
NOTE:
REUSE FIXTURES, TOILETS & URINALS
& FLUSHOMETERS W/ NEW CARRIERS & HARDWARE
SEE NOTE ON P1.0

1 SECOND FLOOR - PLUMBING PLAN
3/32" = 1'-0"

NORTH



2 SECOND FLOOR PLUMBING PLAN
1/4" = 1'-0"



3 SECOND FLOOR PLUMBING PLAN
1/4" = 1'-0"

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AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM AMADOR C-26048 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. MCTERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

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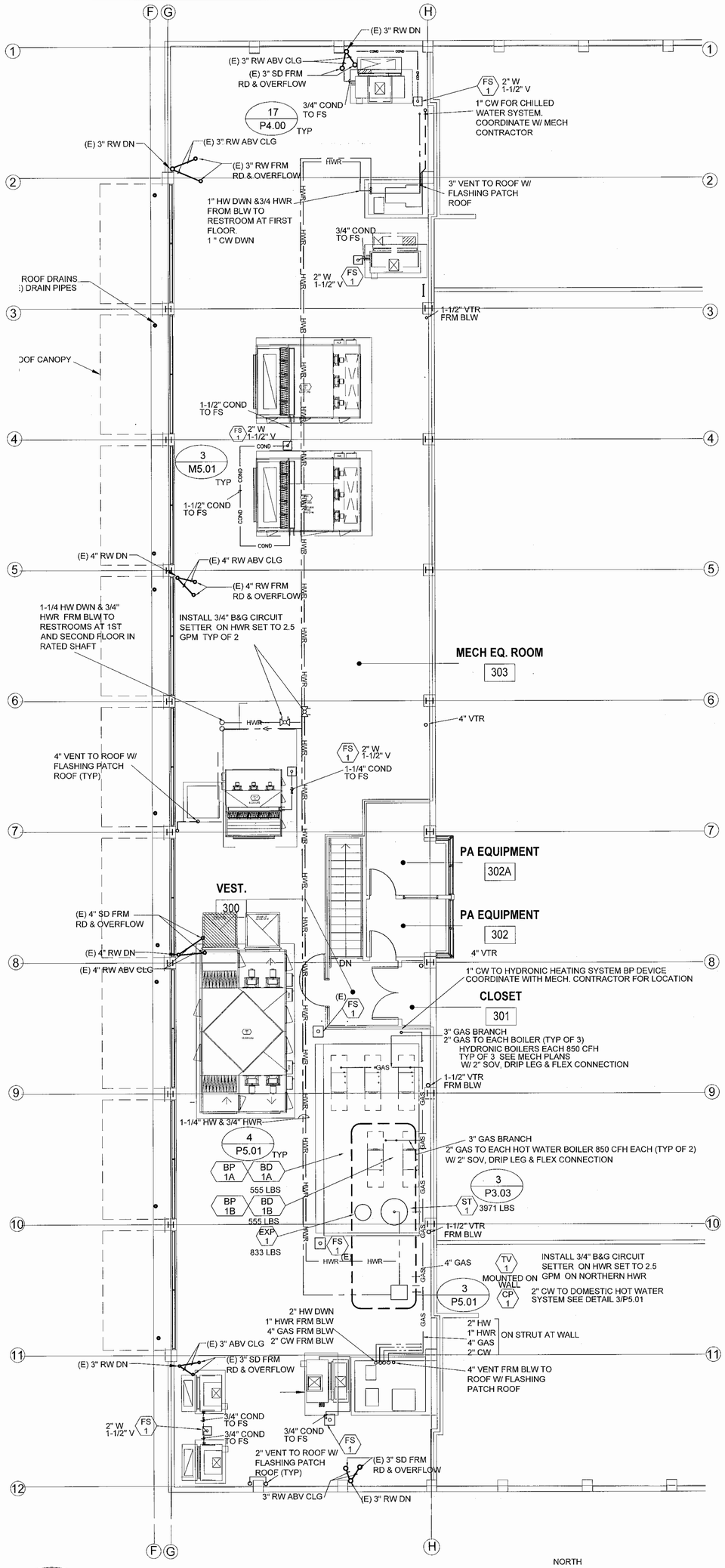
REVISIONS	DATE: 03/26/18
	DRAWN: HM/JS
	CHECK: HM/PW
	JOB NO:

SECOND FLOOR PLUMBING PLAN

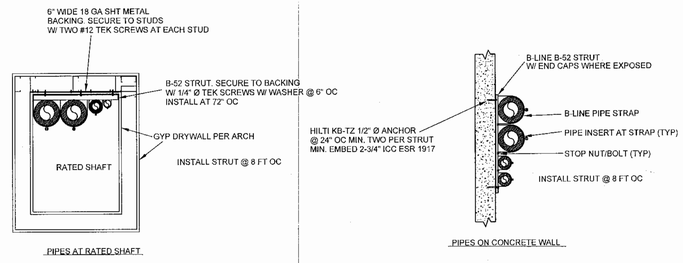
P3.02

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

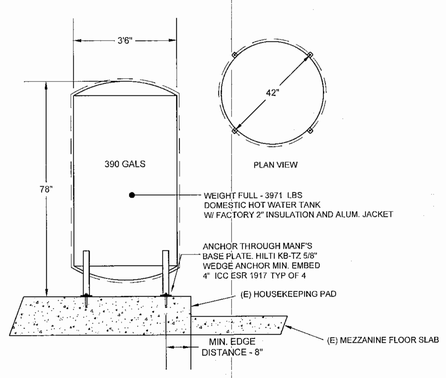
___ OF ___



1 P3.03 MEZZANINE - PLUMBING PLAN
3/16" = 1'-0"



2 P3.03 PIPE SUPPORT DETAILS TYPICAL



3 P3.03 DOMESTIC HOT WATER TANK ANCHORAGE

CONSULTANT
AE Group
Mechanical Engineers, Inc.
838 East Front Street
Ventura, California 93001
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email: hugh@aegroupmc.com

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

LICENSED ARCHITECT JORGE AMADOR C-35046 RENEWAL JANUARY 31, 2019 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. METERMAN M030626 Rnn. 6/30/18 MECHANICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

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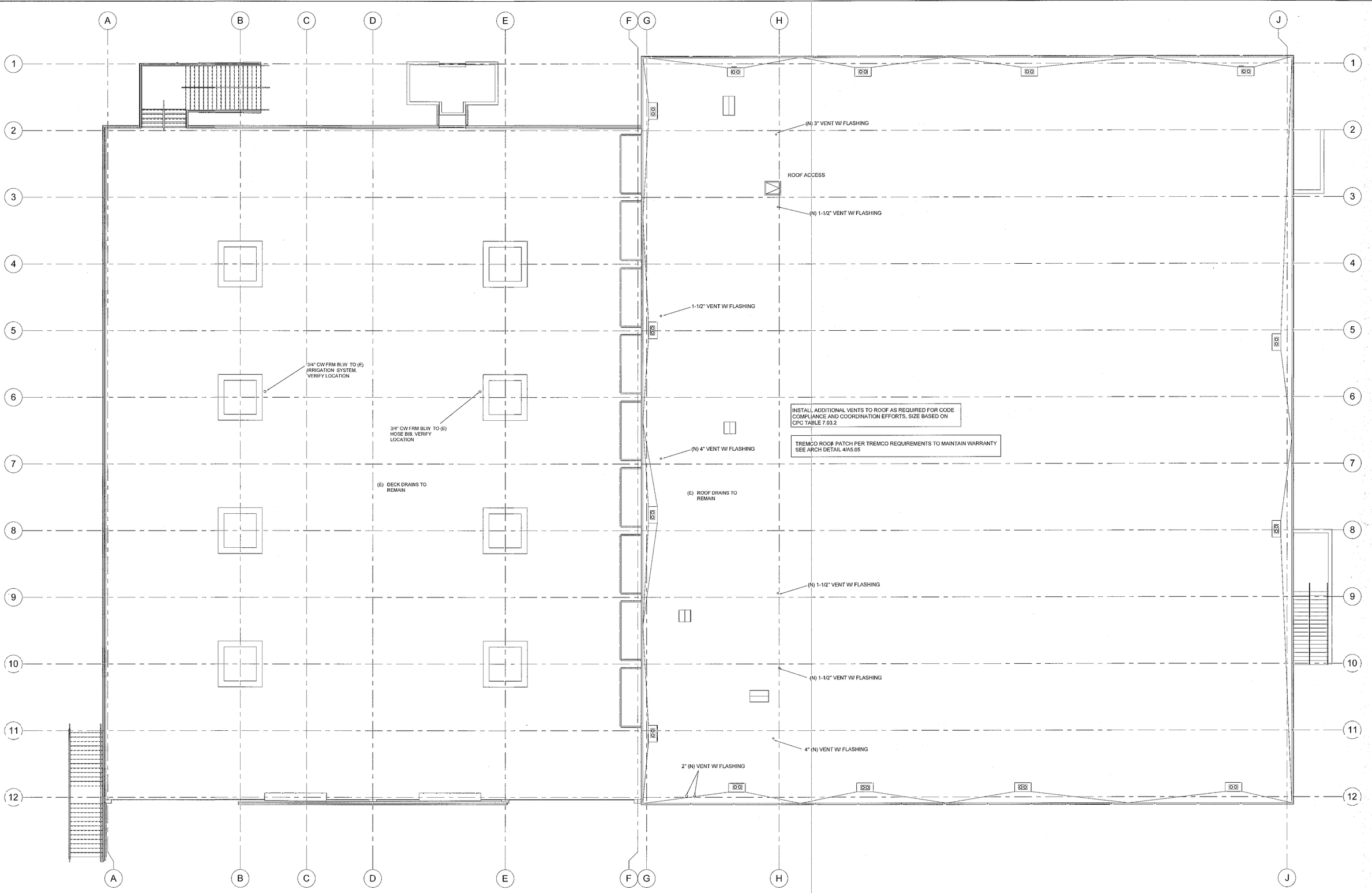
REVISIONS	DATE: 03/26/18
	DRAWN: HM/JS
	CHECK: HM/PW
	JOB NO:

MEZZANINE PLUMBING PLAN

P3.03

IF THIS SHEET IS NOT 36" X 47", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

__ OF __



1 ROOF PLUMBING PLAN
1/8" = 1'-0"

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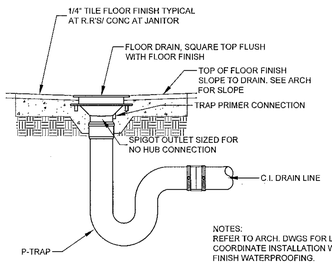
REVISIONS	DATE: 03/26/18
	DRAWN: HM/JS
	CHECK: HM/PW
	JOB NO:

ROOF PLUMBING PLAN

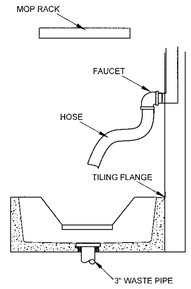
IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

P3.04

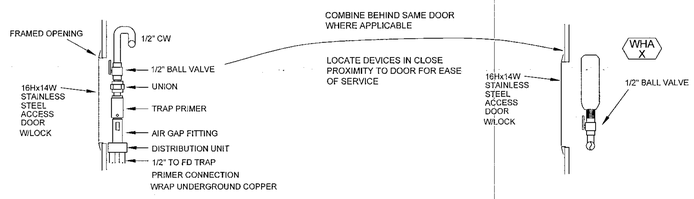
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1 / P4.00 FLOOR DRAIN DETAIL
SCALE: NO SCALE

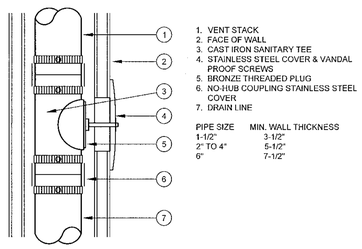


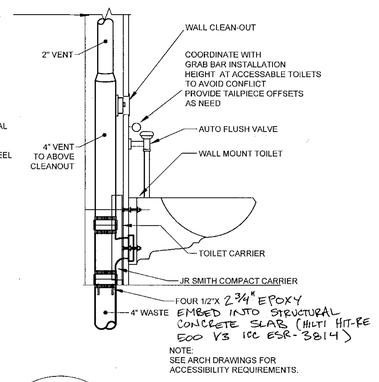
2 / P4.00 MOP SINK DETAIL
SCALE: NO SCALE



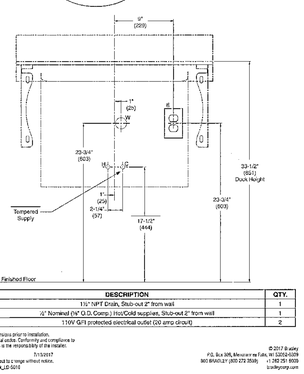
3 / P4.00 TRAP PRIMER DETAIL
SCALE: NO SCALE

4 / P4.00 WATER HAMMER ARRESTOR DETAIL
SCALE: NO SCALE





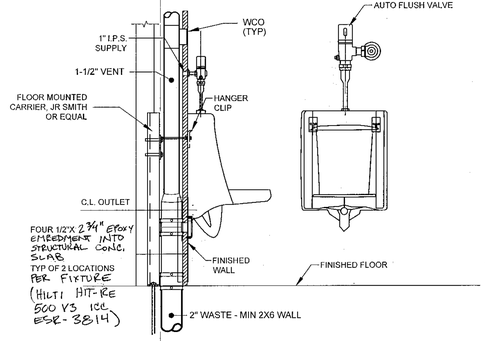
5 / P4.00 WALL CLEAN OUT DETAIL
SCALE: NO SCALE



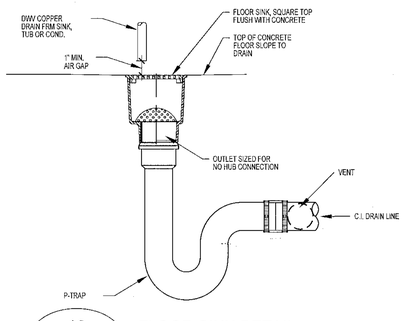
CODE	DESCRIPTION	QTY.
A	1½" NPT Drain, Stub-out 2" from wall	1
H,C	½" Nominal (¾" O.D. Comp.) Hot/Cold supplies, Stub-out 2" from wall	1
E	110V GFI protected electrical outlet (on ame circuit)	2

Verify all rough-in dimensions prior to installation. Consult local and national codes. Conformity and compliance to local and national codes is the responsibility of the installer.
Page 11 of 13 7/13/2017
This information is subject to change without notice.
Display_Sink_DimDesk_LD-5010
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P.O. Box 305, Menasha the Falls, WI 52935-0305
800.BRADLEY (800.272.3539) +1 262 251 6000
bradleycorp.com

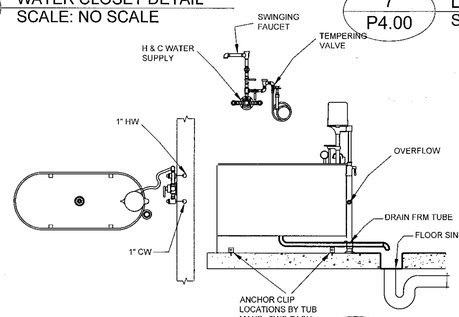
7 / P4.00 LAVATORY ROUGH-IN INFORMATION
SCALE: NO SCALE



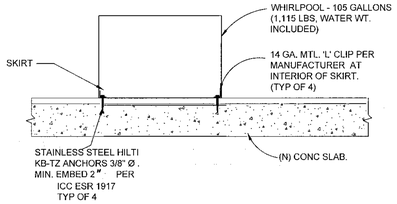
8 / P4.00 URINAL DETAIL
SCALE: NO SCALE



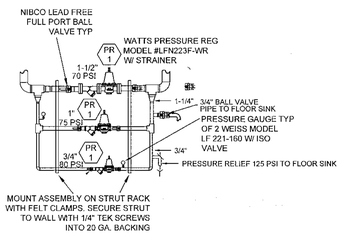
10 / P4.00 FLOOR SINK DETAIL
SCALE: NO SCALE



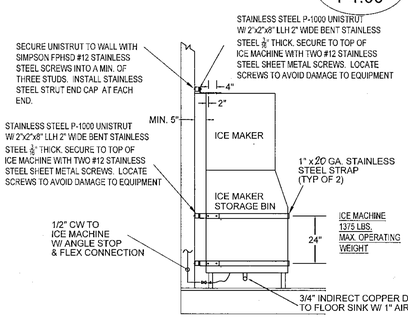
11 / P4.00 WHIRLPOOL ANCHORAGE DETAIL
SCALE: NO SCALE



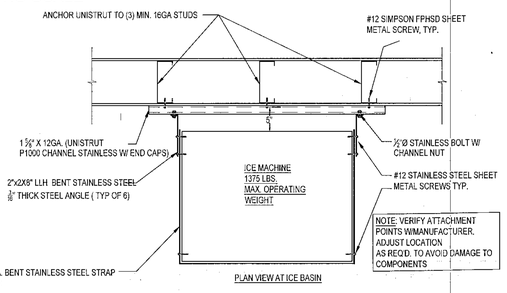
9 / P4.00 DRINKING FOUNTAIN DETAIL
SCALE: NO SCALE

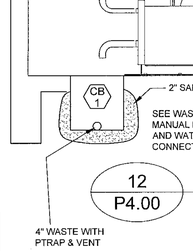


14 / P4.00 PRESSURE REGULATION STATION
SCALE: NO SCALE

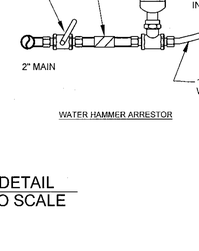


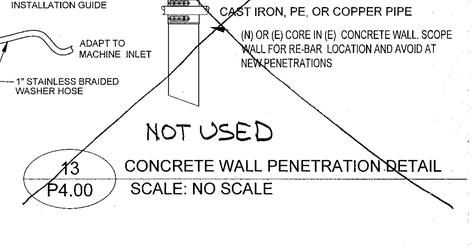
15 / P4.00 ICE MACHINE ANCHORAGE DETAIL
SCALE: NO SCALE





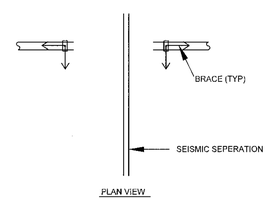
12 / P4.00 WASHER DETAIL
SCALE: NO SCALE

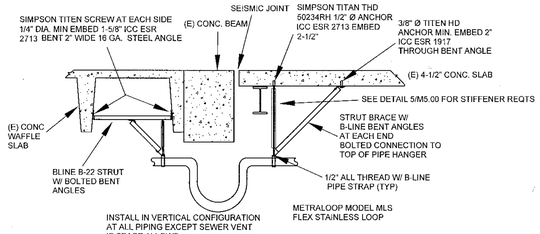


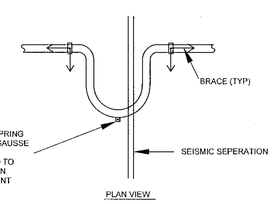


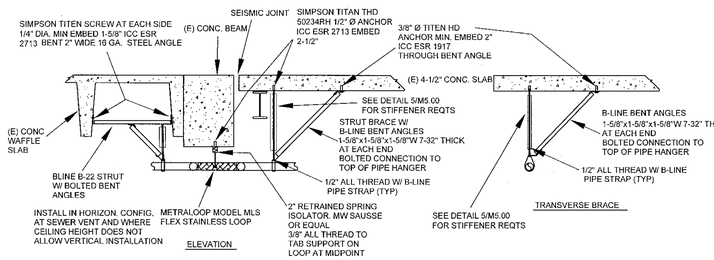
NOT USED

13 / P4.00 CONCRETE WALL PENETRATION DETAIL
SCALE: NO SCALE

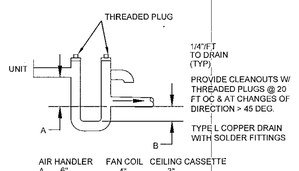




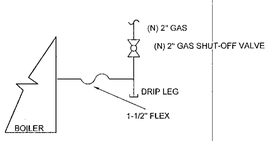




16 / P4.00 PIPE AT SEISMIC JOINT
SCALE: NO SCALE

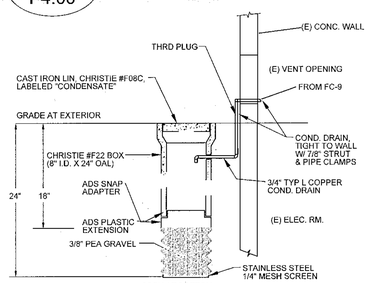


17 / P4.00 CONDENSATE DRAIN
SCALE: NO SCALE



18 / P4.00 GAS SUPPLY DETAIL
SCALE: NO SCALE

19 / P4.00 NOT USED



20 / P4.00 DRYWELL DETAIL
SCALE: NONE

CONSULTANT

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LICENSED ARCHITECT WILLIAM PINE WHITTLE C-25348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. McTERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

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PLUMBING DETAILS

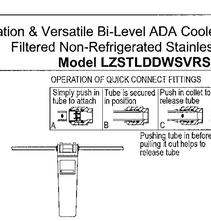
P4.00 ___ OF ___

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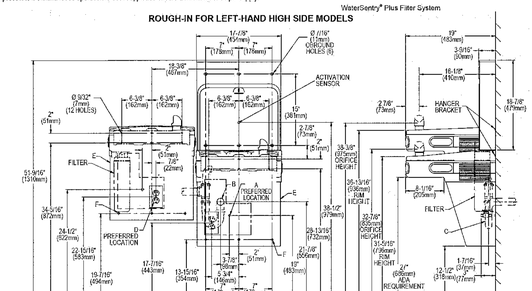
IMPORTANT!
INSTALLER PLEASE NOTE :
This water cooler has been designed and built to provide water to the user which has not been altered by materials in the cooler waterways. The grounding of electrical equipment such as telephone, computer, etc. to water lines is a common procedure. The grounding may be in the building but may also occur away from the building. This grounding can cause electrical feedback into a water cooler creating an electrolysis which creates a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by installing the cooler using the proper materials as shown below.

NOTICE
This water cooler must be connected to the water supply using a dielectric coupling. The cooler is furnished with a non-metallic strainer which meets this requirement. The drain tray which is provided by the installer should also be plastic to completely isolate the cooler from the building plumbing system.
Bottle filler unit or bracket attached to wall by 6 holes (as shown). Water and electrical will connect through pre-punched hole in basin.
These products are designed to operate on 20 psi to 105 psi supply line pressure. Simultaneous operation of both bubblers on a bi-level unit may not be possible depending on water supply pressure. If simultaneous operation is desired, please ensure a minimum of 65 psi supply.

OPERATION OF QUICK CONNECT FITTINGS



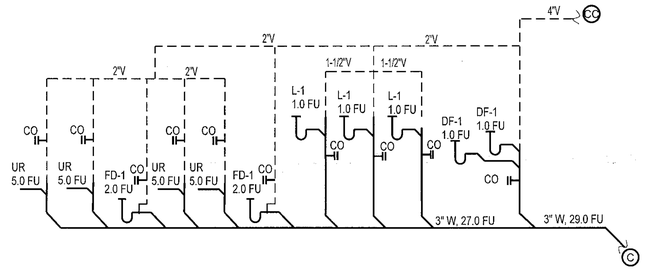
ROUGH-IN FOR LEFT-HAND HIGH SIDE MODELS



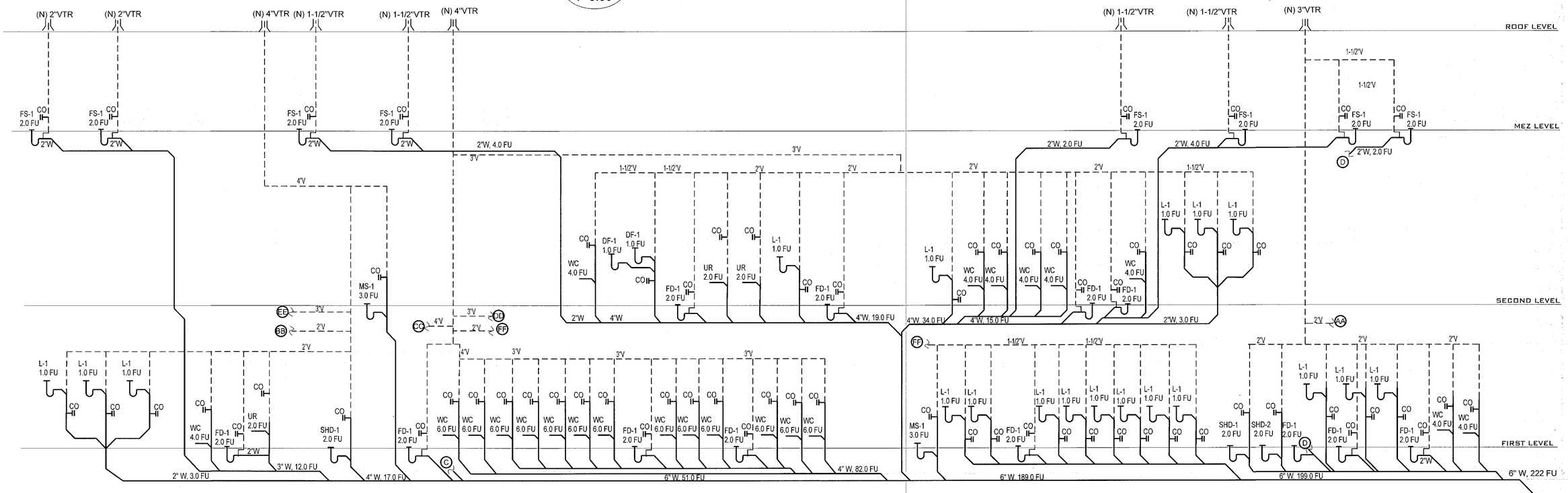
REDUCE HEIGHT BY 3 INCHES FOR INSTALLATION OF CHILDRENS ADA COOLER

LEGEND:
A = Recommended Water Supply location. Shut-off Valve (not furnished) to accept 3/8" O.D. unplated copper tube. Up to 3" (76mm) maximum cut from wall.
B = Recommended Waste Outlet location. To accommodate 1-1/2" nominal drain. Drain stub 2" (51mm) cut from wall.
C = 1-1/2" Trap (not furnished).
D = Electrical Supply (3) Wire Recessed Box Duplex Outlet.
E = Insure proper ventilation by maintaining 6" (152mm) minimum clearance from cabinet louvers to wall.
F = 7/16" (11mm) Bolt Holes for fastening to wall.
Note : New installations Must Use Ground Fault Circuit Interrupter (GFCI). It is highly recommended that the circuit be dedicated and the load protection be sized for 20 amps.

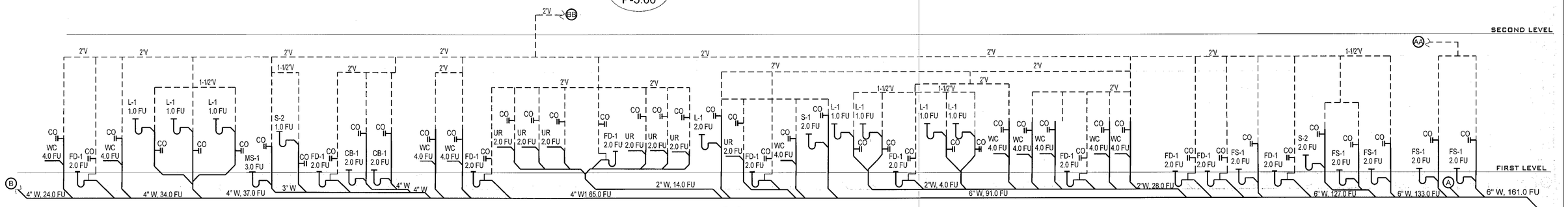
In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkay.com for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design, quality, and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.



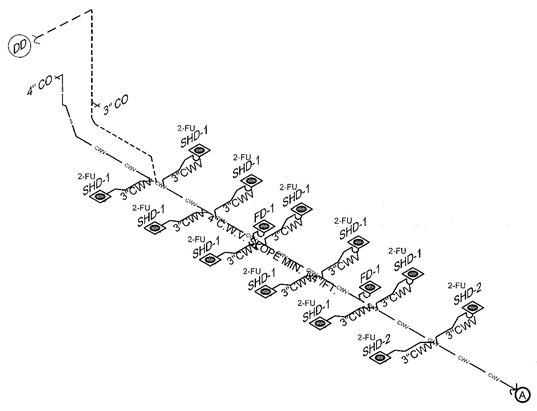
5 P-5.00 WASTE/VENT RISER DIAGRAM
SCALE: NONE



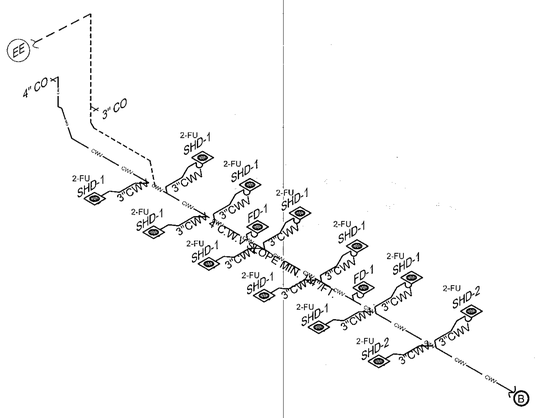
4 P-5.00 WASTE/VENT RISER DIAGRAM
SCALE: NONE



3 P-5.00 WASTE/VENT RISER DIAGRAM
SCALE: NONE



1 P-5.00 COMBINATION WASTE & VENT ISOMETRIC DIAGRAM
SCALE: NONE



2 P-5.00 COMBINATION WASTE & VENT ISOMETRIC DIAGRAM
SCALE: NONE

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ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM JORNE AMADOR C-20348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER HUGH A. MCTERNAN M030626 Ren. 6/30/18 MECHANICAL STATE OF CALIFORNIA

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MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD,
MOORPARK, CA
93021

BACKCHECK SUBMITTAL

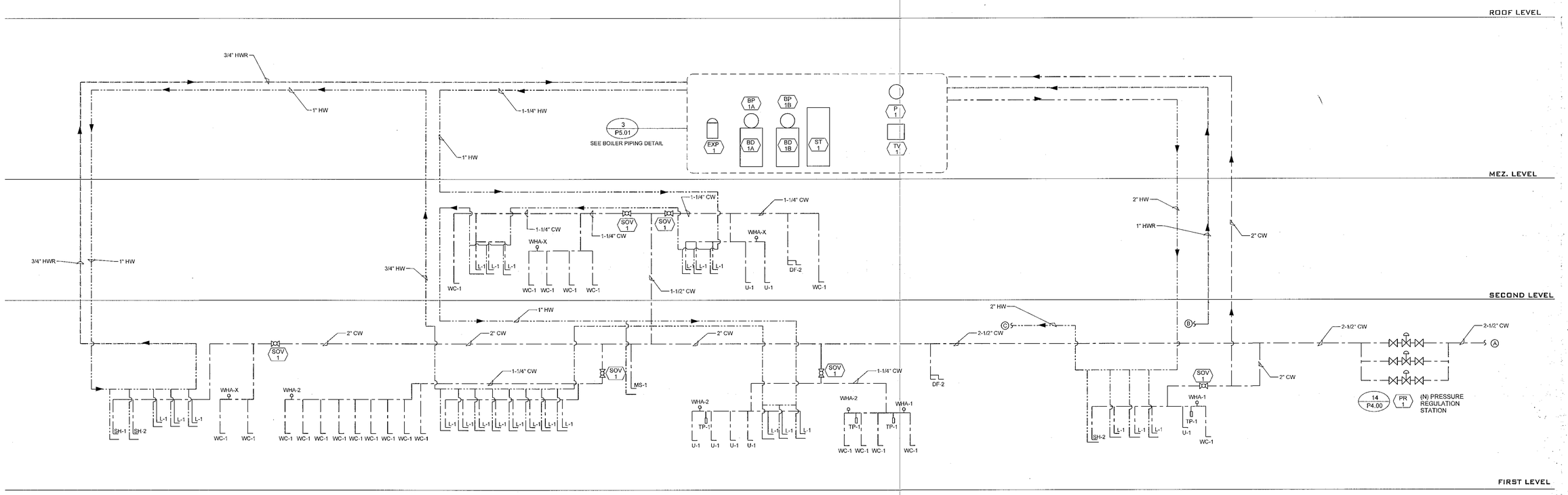
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REVISIONS	DATE: 03/26/18
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PLUMBING WASTE & VENT RISERS

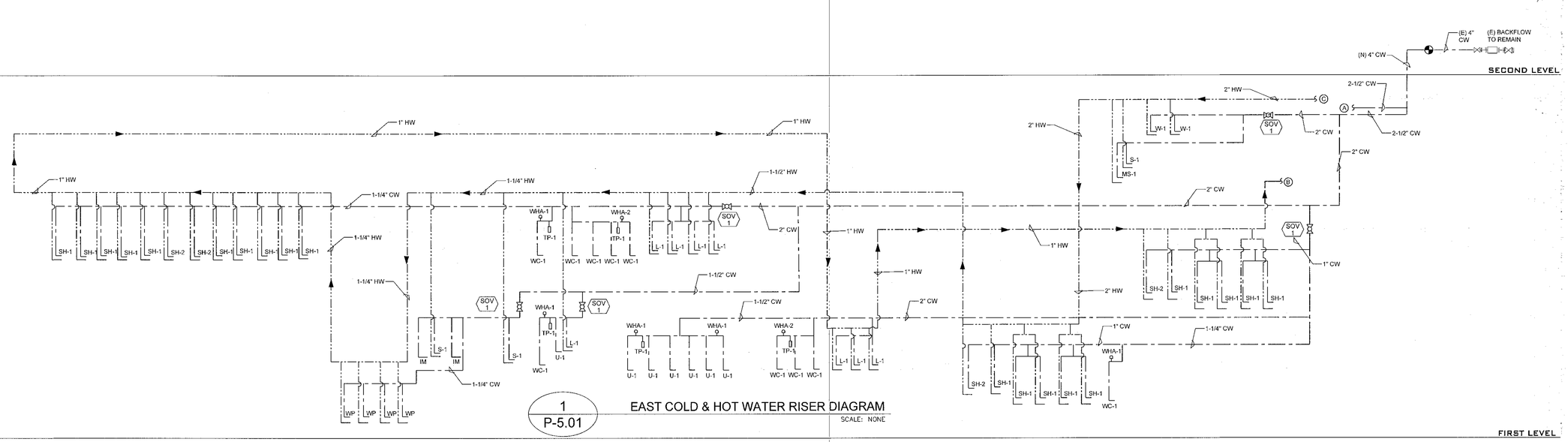
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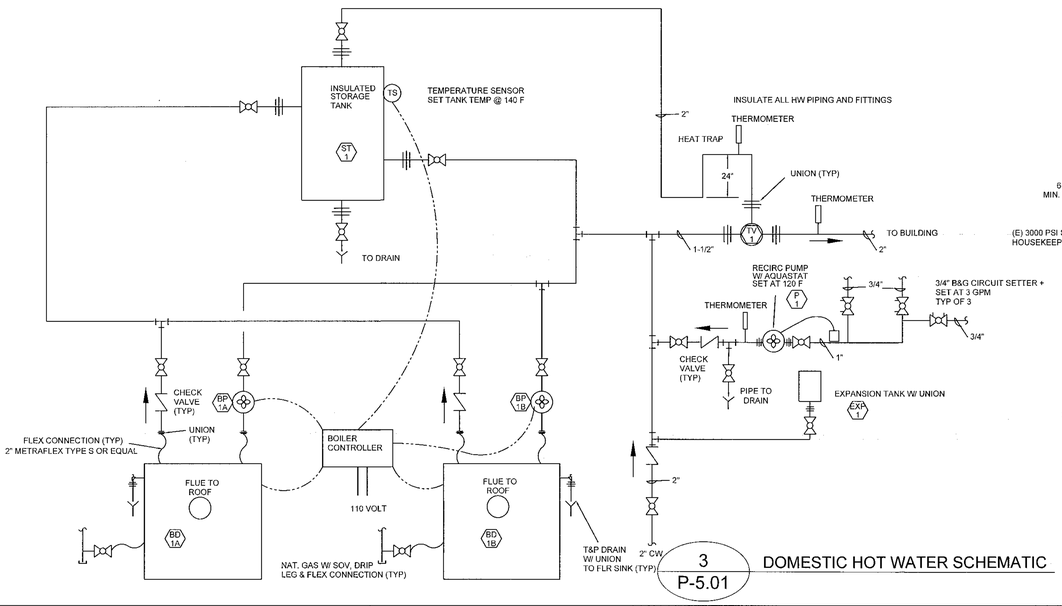
2 P-5.01 SOUTH COLD & HOT WATER RISER DIAGRAM

SCALE: NONE

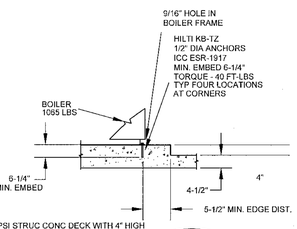


1 P-5.01 EAST COLD & HOT WATER RISER DIAGRAM

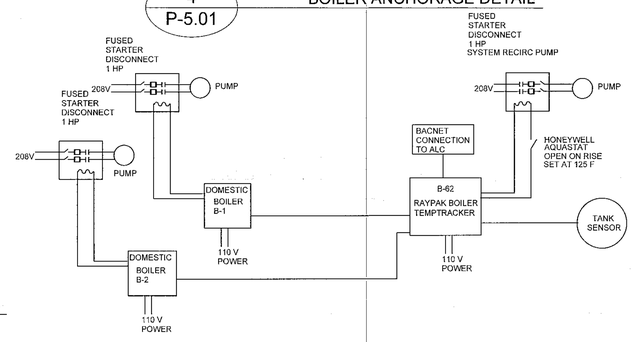
SCALE: NONE



3 P-5.01 DOMESTIC HOT WATER SCHEMATIC



4 P-5.01 BOILER ANCHORAGE DETAIL



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GENERAL NOTES

A. GENERAL

1. SCOPE
THE DRAWINGS AND THESE GENERAL NOTES DESCRIBE THE SCOPE OF WORK AND SYSTEMS. THE MATERIAL REQUIRED FOR THE WORK SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED, UNLESS SPECIFICALLY NOTED OTHERWISE. THE WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING PRINCIPAL SYSTEMS AND EQUIPMENT.

2. PERMITS AND CHARGES
OBTAIN AND PAY FOR ALL NECESSARY CONSTRUCTION PERMITS, INSPECTION FEES, AND OTHER CHARGES BY AGENCIES HAVING JURISDICTION.

3. REGULATIONS AND CODES
PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE 2016 C.E.C., CALIFORNIA ADMINISTRATIVE CODE TITLE 8, AND OTHER CODES AND REGULATIONS HAVING JURISDICTION. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY AND THE MANUFACTURERS RECOMMENDATIONS.

4. VERIFYING EXISTING CONDITIONS
BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE BUILDING. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER. BY THE ACT OF SUBMITTING A BID PROPOSAL FOR THE WORK, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT WILL BE CONSIDERED AS VALID, DUE TO FAILURE TO ALLOW FOR CONDITIONS WHICH MAY EXIST.

5. COORDINATION
COORDINATE ALL WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTION REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.

ELECTRICAL EQUIPMENT LOCATIONS INDICATED ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION SHALL BE VERIFIED.

SCALING OFF OF DRAWINGS SHALL BE DONE AT CONTRACTORS RISK. DO NOT SCALE DEVICES, LIGHTING FIXTURES OR ANY EQUIPMENT FROM PLANS.

LIGHTING FIXTURE QUANTITIES AND LENGTHS SHALL BE CONTRACTORS RESPONSIBILITY. FIXTURES ARE SHOWN FOR CIRCUITING ONLY. CONTRACTOR TO VERIFY SIZES & QUANTITIES PRIOR TO BID.

6. SERVICE CONTINUITY
UNINTERRUPTED EXISTING ELECTRICAL POWER SHALL BE MAINTAINED TO OTHER TRADES FOR TEMPORARY POWER AREAS OF THE SITE DURING CONSTRUCTION. PROVIDE ANY TEMPORARY SERVICES AS MAY BE REQUIRED. IDENTIFY AT BID TIME, ALL WORK TO BE DONE ON PREMIUM TIME AND THE TOTAL OVERTIME MAN-HOURS REQUIRED FOR COMPLETION. SITE SKV AND SITE COM SHALL BE DONE ON WEEKENDS ON PREMIUM TIME.

7. AS BUILT
PROVIDE RECORD DRAWINGS IN ACAD TO THE OWNER WITH ALL CHANGES NOTED THEREON AT THE COMPLETION OF THE PROJECT. RECORD DRAWINGS SHALL BE SIGNED AND DATED BY CONTRACTOR PRIOR TO RELEASE OF FINAL RETENTION OF ALL MONIES.

8. GUARANTEE
CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR AND MATERIALS ON ALL WORK AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR.

9. SHOP DRAWINGS
SUBMIT SHOP DRAWINGS AND MATERIAL LIST FOR REVIEW PRIOR TO COMMENCING ANY WORK. ALL EQUIPMENT TO BEAR U.L. LABEL OR THAT OF ANOTHER ACCEPTABLE TESTING LABORATORY. SHOP DRAWINGS MUST BE STAMPED BY THE CONTRACTOR FOR CONFORMANCE PRIOR TO SUBMITTAL.

SUBMIT THREE HARD COPY SETS OF SHOP DRAWINGS FOR REVIEW PRIOR TO PURCHASING ALL BREAKER MOUNTING HARDWARE, DISCONNECT SWITCHES, FUSES, CONTROLLERS, LIGHTING FIXTURES, LIGHT SWITCHES, RECEPTACLES, ETC.

10. CONTRACTOR BID
CONTRACTOR'S BID SHALL BE BASED ON ALL WORK SHOWN ON THE PLANS AND AS SPECIFIED. IF CONTRACTOR PROPOSES TO SUBSTITUTE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST FOR CONSIDERATION OF THE OWNER AND ENGINEER PRIOR TO BID IN WRITING. ALL SUBSTITUTIONS MUST BE REVIEWED BY THE ENGINEER IN WRITING. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ANY CHARGES RESULTING FROM HIS PROPOSED SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK, THE OWNER, ENGINEER OF RECORD OR THE WORK OF OTHER CONTRACTORS.

B. MATERIAL AND INSTALLATION
ALL WORK AND MATERIAL SHALL CONFORM TO THE LATEST RULES OF THE GOVERNING ELECTRICAL CODE AND INSTALLATION SHALL BE OF THE LATEST INDUSTRY STANDARDS OF WORKMANSHIP.

ALL MATERIALS SHALL BE NEW AND LISTED FOR THE APPLICATION BY UNDERWRITERS LABORATORY (U.L.).

1. CONDUITS
CONDUIT SHALL BE EMT, PVC, IMC, RIGID OR FLEXIBLE STEEL TYPE. CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH UL-1. A GROUND WIRE IS REQUIRED IN ALL FLEXIBLE CONDUIT AND UNDERGROUND CONDUIT. BUSHINGS SHALL BE INSTALLED ON ALL LOW VOLTAGE CONDUITS. PROVIDE 3/16" NYLON PULL STRING IN ALL EMPTY CONDUITS. NO MC, BX OR AC90 SHALL BE PERMITTED. FLEXIBLE STEEL CONDUIT RUNS SHALL BE LIMITED TO A MAXIMUM LENGTH OF 6 FEET.

2. SWITCHES AND RECEPTACLES
PROVIDE 20AMP NEMA RATED SWITCHES AND RECEPTACLES OF SPECIFICATION GRADE. ALL SWITCHES SHALL BE RATED FOR 120 AND/OR 277 VOLT AND RECEPTACLES SHALL BE NEMA 5-20R. ALL DEVICES SHALL BE DECORA SERIES TYPE WITH COLOR SELECTION BY CONTRACTOR/OWNERS REPRESENTATIVE EXCEPT IN ALL MECHANICAL ROOMS WHICH SHALL HAVE 304 STAINLESS COVERS.

3. FEEDERS AND BRANCH CIRCUITS IDENTIFICATION
IDENTIFY FEEDERS WITH THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, LOAD END, AND IN PULL BOXES WITH E-Z CODE OR OTHER APPROVED WIRE MARKER.

IDENTIFY BRANCH CIRCUITS WITH I.D. MARKERS, THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, AT ALL SPLICES, IN JUNCTION BOXES, AND IN SWITCH & RECEPTACLE OUTLETS. USE PLASTIC COATED SELF-STICKING MARKERS SUCH AS THOMAS & BETTS E-Z CODE FOR IDENTIFICATION OF CONDUCTORS IN EVERY BRANCH CIRCUIT.

IDENTIFY SIGNAL & COMMUNICATION CABLES AT TERMINAL AND OUTLET UNIQUELY WITH PERMANENT LABELING.

4. CONDUCTORS
DELIVER ALL CONDUCTORS TO THE JOB SITE IN ORIGINAL UNBROKEN CARTON OR REEL, PROPERLY TAGGED WITH U.L. LABEL, SIZE, TYPE, MANUFACTURER, TRADE NAME AND THE DATE OF MANUFACTURE. (MUST BE MANUFACTURED WITHIN 6 MONTHS)

PROVIDE COPPER CONDUCTORS #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. PROVIDE STRANDED COPPER CONDUCTORS FOR ALL WIRING. USE CONDUCTORS WITH 90°C THHN/THWN 600 VOLTS INSULATION, UNLESS OTHERWISE NOTED.

5. LIGHTING FIXTURES
PROVIDE LIGHTING FIXTURES WITH ELECTRONIC BALLASTS PER SCHEDULE.

NO SUBSTITUTIONS OF FIXTURES SHALL BE PROVIDED WITHOUT THE APPROVAL OF THE ENGINEER -OF-RECORD.

6. PANELBOARDS (BID SQUARE D PROVIDE OF ALTERNATE BID)
DISTRIBUTION AND LIGHTING PANELBOARDS WITHIN PROJECT AREA SHALL BE OF THE COPPER BUS THREE PHASE, FOUR WIRE DISTRIBUTED PHASING TYPE. CIRCUITING SHALL BE ARRANGED TO PROVIDE, AS NEARLY AS POSSIBLE, AN EVENLY BALANCED LOAD ON ALL PHASES. PANELBOARDS SHALL BE BOLT-ON CIRCUIT BREAKER TYPE. AVAILABLE FAULT CURRENT IS STATED ON PANELBOARD SCHEDULE. PROVIDE PANEL IDENTIFICATION NAMEPLATE (ENGRAVED ON-ADHESIVE 1/2" MINIMUM LETTERS) AND ACCURATE TYPEWRITTEN LIST OF CIRCUITS IN THE DIRECTORY FRAME.

7. STRUCTURAL SUPPORT
EACH SECTION OF FLOOR MOUNTED SWITCHBOARD, DISTRIBUTION BOARD, MCC, ETC. SHALL BE BOLTED TO THE CONCRETE HOUSEKEEPING PAD USING (6) 3/4"-10 GRADE 2 BOLTS AND CONICAL WASHERS TORQUED TO 70LB-FT. PROVIDE MINIMUM 4000 PSI STRENGTH CONCRETE BELOW ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. TIE THE TOP OF ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT TO THE BUILDING STRUCTURE IN A SEISMICALLY APPROVED MANNER.

8. ELECTRICAL CERTIFICATION
"ELECTRICIANS" PERFORMING WORK ON THIS PROJECT SHALL BE CURRENTLY CERTIFIED IN ACCORDANCE WITH THE STATE OF CALIFORNIA AB931 AND THE DIVISION OF APPRENTISHIP STANDARDS SECTION 3099.

C. DEMOLITION
1. NOTIFY THE OWNER IMMEDIATELY WHEREVER EXISTING EQUIPMENT IS ENCOUNTERED WHICH MUST BE RELOCATED DUE TO THE NEW CONSTRUCTION, AND WHICH IS NOT INDICATED ON THE PLANS.

2. ALL REMOVED MATERIALS AND EQUIPMENT WHICH ARE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON THE PREMISES AS DIRECTED BY OWNER, AND NEATLY PILE OR STORE THEM AND PROTECT FROM DAMAGE. REMOVE FROM PREMISES AND DISPOSE OF ALL MATERIALS CONSIDERED BY THE OWNER TO BE SCRAP.

3. ALL DEVICES, CIRCUITS CONDUCTORS, FEEDERS ETC., WHEN NOTED TO BE REMOVED, SHALL BE REMOVED TO THE LAST ACTIVE DEVICE. ALL OVER-CURRENT PROTECTION AND DISCONNECT DEVICES NO LONGER UTILIZED BUT REMAINING AS LAST ACTIVE DEVICE SHALL BE LABELED AS "SPARE". COORDINATE ALL OUTAGES WITH OWNERS REPRESENTATIVE.

4. DISCONNECT AND MAKE SAFE ALL ELECTRICAL SYSTEMS ON SITE AND IN WALL, FLOORS, AND CEILINGS SCHEDULED FOR REMOVAL.

5. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.

6. REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY AND RE-LABEL DEVICES AS SPARES.

7. REMOVE ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOOR, AND PATCH SURFACES.

8. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVE. PROVIDE BLANK COVER FOR ABANDONED OUTLETS WHICH ARE NOT REMOVED.

9. DISCONNECT AND REMOVE ABANDONED LUMINAIRES. REMOVE BRACKETS, STEWS, HANGERS, AND OTHER ACCESSORIES.

10. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK

11. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.

12. BEGINNING OF DEMOLITION MEANS CONTRACTOR ACCEPTS EXISTING CONDITIONS.

13. PROVIDE OWNER THE CHOICE OF ANY SALVAGE. CONTRACTOR TO DELIVER ANY SALVAGE (CLEANED TO BE ACCEPTABLE) TO THE W & O STORAGE BUILDING ON CAMPUS. ANY MATERIAL DEEMED UNDESIRABLE BY THE OWNER SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR.

D. EXECUTION
1. CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE CONFINES AS MUCH AS POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK.

2. EQUIPMENT, MATERIALS AND SUPPLIES REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.

3. DO ALL DRILLING, CUTTING, CHANNELING AND PATCHING REQUIRED TO INSTALL ELECTRICAL WORK AS INDICATED OR HEREIN SPECIFIED. ALL HOLES, CURBS, ETC., IN FLOORS, CEILINGS AND WALLS SHALL BE PATCHED, UNLESS INDICATED OTHERWISE. PAINT ALL NEW ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTINGS PENETRATING INTO FIRE RATED ENVELOPES, SPACES, ETC.

4. ALL CONDUIT RUNS SHALL BE CONCEALED, UNLESS SHOWN OTHERWISE. PROVIDE A PULL WIRE IN ALL EMPTY CONDUITS.

5. EXISTING CONDITION SHOWN IS FROM AVAILABLE RECORD DRAWINGS AND VISUAL FIELD SURVEY AND SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITION AT SITE.

6. ALL WORK SHOWN IS NEW UNLESS SPECIALLY INDICATED AS EXISTING (X). ALL ELECTRICAL EQUIPMENT MOUNTING AND ANCHORAGE MUST CONFORM WITH LOCAL AND STATE SEISMIC CODES.

E. TELEPHONE SYSTEMS
PROVIDE RACEWAYS, AND ALL MATERIAL INCLUDING PULLING CABLE IN EACH RACEWAY AS REQUIRED FOR THE TELEPHONE SYSTEM PER THE TELEPHONE REQUIREMENTS.
ALL CAT 6 CABLES SHALL BE TESTED & MEET CURRENT BICSI STANDARDS, A TEST REPORT SIGNED BY A RCCD SHALL BE PROVIDED WITH THE DOCUMENTATION.

F. GROUNDING & BONDING
FURNISH AND INSTALL COMPLETE BONDING AND GROUNDING SYSTEM AS REQUIRED BY CODES. CONTINUITY OF GROUNDING SHALL BE MAINTAINED MECHANICALLY AND ELECTRICALLY THROUGHOUT THE SYSTEM. A GREEN GROUNDING CODE SIZED CONDUCTOR SHALL BE CARRIED IN ALL CONDUITS.

G. INSTALLATION
1. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT A COMPLETE AND WORKABLE ELECTRICAL INSTALLATION BE PROVIDED FOR ALL THE EQUIPMENT DESCRIBED OR SHOWN AS BEING IN THIS CONTRACT. TOWARD THIS END FURNISH ALL LABOR AND TOOLS NECESSARY AND FURNISH AND INSTALL ALL APPARATUS, MATERIALS AND EQUIPMENT IN A FASHION COMPLYING WITH ALL APPLICABLE CODES, INCLUDING ITEMS REQUIRED BUT NOT NORMALLY SHOWN, SUCH AS LAMPS, COUPLINGS, HANGERS, BRACKETS, CLAMPS, BOXES, CONNECTORS AND HARDWARE. REFER ALSO TO WRITTEN SPECIFICATIONS FOR GENERAL, MECHANICAL AND ELECTRICAL SECTIONS.

2. PROCURE ALL PERMITS FROM LEGALLY CONSTITUTED AUTHORITIES, ARRANGE FOR ALL INSPECTIONS AND PAY ALL COSTS FOR FEES AND TESTS IN CONNECTION THEREWITH. COMPLY WITH CODES: NOTHING IN THESE PLANS AUTHORIZES DEVIATION FROM APPLICABLE CODES.

3. DETERMINE EXACT ROUTING OF CONCEALED FEEDERS AND BRANCH HOMERUNS IN COOPERATION WITH OTHER TRADES TO SIMPLIFY INSTALLATION WHEREVER POSSIBLE BUT SUBJECT TO APPROVAL OF ARCHITECT FOR VISUAL AND STRUCTURAL REASONS.

4. PROVIDE A CODE APPROVED DISCONNECT SWITCH OR BREAKER WITHIN SIGHT OF EVERY MOTOR AND FEED MOTORS NOT EQUIPPED WITH "BUILT IN" PROTECTION THROUGH A MAGNETIC OR MANUAL STARTER WITH OVERLOAD HEATERS SIZED TO COMPLY WITH MOTOR MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODES.

5. FOR CONNECTIONS TO EXHAUST FANS, PUMPS, COMPRESSORS, SPACE HEATERS, WATER HEATERS, AQUASTATS, SOLENOID VALVES AND OTHER MECHANICAL EQUIPMENT AND FOR CONDUITS AND WIRE REQUIRED BUT NOT NECESSARILY SHOWN ON THESE DRAWINGS REFER TO MECHANICAL PLANS AND DETERMINE EXACT LOCATIONS UNDER DIRECTION OF HEATING AND VENTILATING CONTRACTOR.

6. DO NOT RUN ANY CONDUIT IN SLAB IF ITS OUTSIDE DIAMETER EXCEEDS 1/3 THE THICKNESS OF THE SLAB. LOCATE CONDUITS WITHIN THE MIDDLE OF THE SLAB. WHERE CONDUITS ARE GROUPED IN PARALLEL RUNS, SPACE THEM 3" OR MORE APART. WHERE CONDUITS CROSS EACH OTHER, THICKEN SLAB PROPORTIONATELY OVER A HORIZONTAL AREA EQUAL TO TEN TIMES THE DIAMETER OF THE LARGEST CONDUIT. REFER ALSO TO DETAILS SHOWN.

7. FOR CIRCUITS FED THROUGH FLUORESCENT FIXTURE CHANNELS AND FEEDS TO RECESSED INCANDESCENT FIXTURES USE INSULATED WIRE OF 105 DEG. CELSIUS RATING.

8. SIZE OUTLET BOXES IN CONFORMITY WITH CODE FOR NUMBER AND GAUGE OF CONDUCTORS THEREIN, EXCEPT WHERE NOTED TO BE LARGER. MINIMUM BOX SIZE SHALL BE 4" SQUARE BY 1-1/2" DEEP.

9. EXAMINE PLANS TO DISCERN CEILINGS WITH A FIRE RATING OF ONE HOUR OR MORE. PROVIDE A ONE HOUR FIRE-RATED ENCLOSURE OVER EACH LIGHT FIXTURE RECESSED THEREIN.

10. ALL ELECTRICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUIT SHALL BE IN STRAIGHT LINES PARALLEL WITH, OR AT RIGHT ANGLES TO, COLUMN LINES OR BEAMS AND SPACED BY AT LEAST THREE (3) INCHES FROM WATER LINES WHENEVER THEY RUN LONG SIDE OR ACROSS SUCH LINES. CONDUIT SHALL NOT BE RUN BELOW CABLE TRAYS OR LIGHT FIXTURES WITHOUT SPECIFIC APPROVAL OF THE OWNERS REPRESENTATIVE. HANGERS SHALL BE FASTENED TO STEEL, CONCRETE OR MASONRY, BUT NOT TO PIPING. HANGERS AND SUPPORT SYSTEMS ARE AN INTEGRAL PART OF THE VISUAL ENVIRONMENT. ALL HANGERS AND SUPPORTS EXPOSED TO PUBLIC VIEW MUST BE SHOWN IN DETAIL ON PLANS SUBMITTED TO ENGINEER FOR APPROVAL OF APPEARANCE. ALL HANGERS MUST BE UNIFORMLY SPACED AND NEATLY INSTALLED WITH NO EXCESS MATERIAL BEYOND WHAT IS REQUIRED FOR THE SUPPORT FUNCTION. CONTRACTOR SHALL SELECT ACCESSORIES AND HARDWARE WITH A SMOOTH, NEAT FINISHED APPEARANCE AND PAINT ALL EXPOSED CONDUIT HANGERS TO MATCH THE ADJACENT FINISHES.

11. ALL WALL SWITCHES AND RECEPTACLES SHALL BE MOUNTED BETWEEN 18" AND 48" PER ADA REQUIREMENTS UNLESS NOTED OTHERWISE.

12. ALL DISTRIBUTION BOARDS, SWITCHBOARDS AND TRANSFORMERS THAT ARE FLOOR MOUNTED SHALL BE MOUNTED ON 2" THICK HOUSEKEEPING PAD. TRANSFORMER SHALL BE ON VIBRATION ISOLATION PADS AND CONNECTED WITH FLEXIBLE CONDUIT.

13. CONTRACTOR SHALL EXAMINE PLANS AND VERIFY IN FIELD LOCATIONS OF ALL FIRE RATED WALLS, CEILINGS AND FLOORS. CONTRACTOR SHALL SEAL ALL ELECTRICAL SYSTEM PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS AND FLOORS WITH U.L. LISTED MATERIAL APPROVED BY THE AUTHORITY HAVING JURISDICTION.

14. IN WEIGHT ROOMS & OTHER ROOMS WITH MIRRORS OR WHITE BOARDS AT 24" ABOVE FINISHED FLOOR, THE CONTRACTOR IS TO HORIZONTALLY MOUNT RECEPTACLES.

H. FIRE ALARM SYSTEM
1. CONTRACTOR SHALL PROVIDE AND INSTALL A FIRE ALARM SYSTEM AND EMERGENCY VOICE EVACUATION / COMMUNICATIONS SYSTEMS FOR THE PROJECT AREA TO INCLUDE: (BUT NOT LIMITED TO (SEE SHEET FA1.01 FOR A COMPLETE LIST OF DEVICES))
   A) SMOKE DETECTORS IN ALL REQUIRED AREAS
   B) HEAT DETECTORS IN ALL REQUIRED AREAS
   C) DUCT DETECTORS IN ALL REQUIRED SPACES
   D) STROBES/ALARMS IN ALL REQUIRED AREAS
   E) PULL STATIONS AT ALL LEGAL FIRE EXITS
   F) TAMPER AND FLOW SWITCHES
   G) ELEVATOR
   H) FIRE SMOKE DAMPERS
   I) DOOR HOLD OPEN
   J) HVAC SHUTDOWN
   K) SPEAKERS

2. CONTRACTOR SHALL SUBMIT FOR THE OWNERS SIGNED APPROVAL, APPROVED FIRE DEPARTMENT FIRE ALARM DRAWINGS FOR THE PROJECT SPACE.

3. CONTRACTOR SHALL BE EDWARDS.

4. ALL DEVICES AND EQUIPMENT SHALL BE 2018 CALIFORNIA STATE FIRE MARSHALL APPROVED AND CURRENTLY LISTED.

5. CONTRACTOR SHALL WARRANTY ALL DEVICES AND SYSTEMS FOR A PERIOD OF TWO YEARS.

6. CONTRACTOR SHALL PROVIDE 6 (SIX) HARD COPY SETS OF FIRE ALARM MANUALS FOR ALL SYSTEMS AND DEVICES IN ADDITION TO 6 (SIX) HARD COPY SETS OF A SYSTEM OPERATIONAL MANUAL TAILORED FOR THE PROJECT SPACE.

7. CONTRACTOR SHALL PROVIDE AN INDIVIDUALLY ADDRESSABLE TOTALLY SUPERVISED SYSTEM WITH BATTERY BACK-UP FOR 24 HOURS OF MONITORING INITIATING CIRCUITS PLUS 30 MINUTES OF ALARM WITH DUAL RATE BATTERY CHARGER. PRIOR TO THE FINAL SYSTEM TEST CONTRACTOR SHALL SHOW COMPLIANCE WITH CFC SECTION 901.2.1.

8. CONTRACTOR SHALL PROVIDE A SATISFACTORY SYSTEM TEST IN THE PRESENCE OF THE OWNER, FIRE PREVENTION BUREAU AND CONSULTING ENGINEER.

9. CONTRACTOR SHALL PROVIDE A CENTRAL MASTER ANNUNCIATOR PANEL IN THE ELECTRICAL ROOM AND A REMOTE PANEL IN AN AREA PER OWNERS REPRESENTATIVE AND LOCAL FIRE MARSHAL REQUESTING FINAL.

10. ANNUNCIATOR PANEL SHALL BE NONGRAPHIC WITH NAMEPLATE AND LED FOR EACH DEVICE ADDRESS, WITH AUDIBLE ALARM AND KEYED SILENCE SWITCH.

11. CONTRACTOR SHALL PROVIDE ALL CONNECTION TO POWER PANELS, CONDUIT AND WIRE AND CONNECTIONS REQUIRED TO PROVIDE A FUNCTIONAL FIRE ALARM SYSTEM.

12. EMERGENCY POWER FOR THE FIRE ALARM AND VOICE EVACUATION SYSTEM SHALL COMPLY WITH CFC SECTION 907.5.2.2.5, IN ADDITION TO CFC 604.1.4, 604; CBC CHAPTER 27 AND CEC ARTICLE 700.

SEE SHEET FA1.01 FOR FIRE ALARM CONDUCTORS COLOR CODE.

SYMBOLS (ALL DIMENSIONS ARE TO CENTER LINE OF DEVICE UNLESS OTHERWISE NOTED)

- RELAY CONTROLLED RECEPTACLE AT 18" AFF, PROVIDE WITHIN 6'-0" OF NON CONTROLLED RECEPTACLE. PROVIDE COVER PLATE WITH ENGRAVED "CONTROLLED".
- WP GFCI RECEPTACLE AT 18" AFF
- GFCI RECEPTACLE AT 42" AFF
- SINGLE RECEPTACLE, WALL MOUNTED @ +18"AFF, NEMA 5-20R U.O.N.
- DUPLEX RECEPTACLE, WALL MOUNTED @ +18"AFF, NEMA 5-20R U.O.N.
- I.G. ISOLATED (ORANGE) GROUND DUPLEX RECEPTACLE, WALL MTD.@18"AFF, NEMA 5-20R U.O.N.
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, WALL MOUNTED @ +18"AFF
- DUPLEX RECEPTACLE, WALL MOUNTED @ +18" NEMA 5-20R U.O.N. TOP RECEPTACLE SWITCHED
- DUPLEX RECEPTACLE, FLOOR MOUNTED, NEMA 5-20R
- CEILING MOUNTED DUPLEX RECEPTACLE, 5-20R
- (2)RJ-45 JACKS AND 2 GANG 4SD BOX WITH DEVICES AND 2 CAT 6 CABLES PER NOTES & SPECIFICATION. PROVIDE 1-1/4"C MINIMUM TO CABLE TRAY OR TO IDF VIA J-HOOKS.
- TELECOM RJ-45 OUTLETS, 2 GANG FLOOR BOX WITH SINGLE GANG P-RING. 1"C. MINIMUM TO IDF. PROVIDE WITH BUSHING AND 2 CAT 6 CABLES PER NOTES & SPECIFICATION.
- SPECIAL OUTLET, TYPE AS REQUIRED BY EQUIPMENT.
- CLG JUNCTION BOX (CEILING MTD.) SIZE PER TABLE AND NEC ARTICLE 370
- JUNCTION BOX (WALL MTD.) SIZE PER TABLE AND NEC ARTICLE 370
- THERMOSTAT
- BRANCH CIRCUIT PANELBOARD – 120/208VAC, 3ø, 4W.
- BRANCH CIRCUIT PANELBOARD – 480/277V, 3ø, 4W
- 4'X8'X3/4" TELEPHONE BACKBOARD, MARINE PLYWOOD AND PAINTED WITH FIRE RESISTANT PAINT, PER OWNERS REPRESENTATIVE.
- CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS,
- CONDUIT RUN CONCEALED BELOW FLOOR OR UNDERGROUND
- EMERGENCY CIRCUIT
- FLEXIBLE CONDUIT (WITH GROUND CONDUCTOR, PROVIDE LIQUID TIGHT CONDUIT IN ALL EXPOSED AREAS)
- CONDUIT STUB UP, CAP AND IDENTIFY
- CONDUIT TURNS UP
- CONDUIT TURNS DOWN
- CONDUIT FITTING SEALED WITH APPROVED COMPOUND FOR ENVIRONMENT SEPARATION.
- #12 HASH MARKS INDICATE QUANTITY OF #12 CONDUCTORS. NO HASH MARKS INDICATE (2)#12AWG. (PROVIDE GROUND CONDUCTOR IN ALL CONDUITS.) WHERE NO NUMBER IS INDICATED, THE CONDUCTORS ARE #12AWG(MIN.) CONDUIT SIZE IS AS REQUIRED BY ELECTRICAL CODE. (3/4" CONDUIT MINIMUM).
- 2LA 1-3-5, 7 INDICATES A HOMERUN TO PNL 2LA, CKTS 1-3-5 WITH SHARED NEUTRAL & CKT 7 WITH DEDICATED NEUTRAL.

3/4"C-2#12 & 1#12 GND	1" CONDUIT MINIMUM IF UNDERGROUND (CONTRACTOR TO PROVIDE DEDICATED NEUTRALS FOR CIRCUITS WHICH DO NOT HAVE COMMON CIRCUIT HANDLE TIES ON BREAKERS FEEDING THE CIRCUITS)
3/4"C-3#12 & 1#12 GND	
3/4"C-4#12 & 1#12 GND	
3/4"C-5#12 & 1#12 GND	
3/4"C-2#10 & 1#10 GND	
3/4"C-3#10 & 1#10 GND	
3/4"C-4#10 & 1#10 GND	
3/4"C-5#10 & 1#10 GND	

- 1 SEE KEY NOTE #1 AS INDICATED ON DRAWING
- $p SWITCH WITH PILOT LIGHT @ 42"AFF
- $3ab 3-WAY SWITCH, a & b INDICATES LIGHT FIXTURE TO BE SWITCHED (EACH A 3-WAY) MOUNTED @ 42" AFF
- $ SWITCH MOUNTED @ +42" AFF
- $M MOTOR RATED SWITCH
- $a,b,c,d CIRCUIT SWITCH LEGS — WALL SWITCHES
- 60AS, 30AF, 3P DISCONNECT SWITCH, 60AMP SWITCH, 35 AMP FUSE, 3 POLE W/ OVERCURRENT PROTECTION U.O.N.
- M 100A UTILITY METER (OR AS NOTED)
- 3P, 100AS 60AF FUSED DISCONNECT SWITCH 100AMP SWITCH RATING WITH 60 AMP FUSES, 3 POLE
- 200AF, 150AT, 3P MOLDED CASE CIRCUIT BREAKER 200 AMP FRAME, 150 AMP TRIP RATING, 3 POLE
- CCTV CCTV-VERIFY MOUNTING LOCATION AND REQUIREMENTS WITH CLIENT/OWNER.
- S SPEAKER
- A CONDUIT RUN FOR AUDIO
- T 3/4"C-CAT 6 CABLE TO IDF
- 2T 1"C-(2)CAT 6 CABLE TO IDF
- WALL MOUNTED CLOCK AMERICAN TIME SIGNAL

JUNCTION BOX FILL

JUNCTION BOX DIMENSION, INCHES TRADE SIZE OR TYPE	MIN. CU. IN. CAP.	MAXIMUM NUMBER OF CONDUCTORS NO. 14	NO. 12	NO. 10	NO. 8	NO. 6
4 x1-1/4 ROUND OR OCTAGONAL	12.5	6	5	5	4	2
4 x1-1/2 ROUND OR OCTAGONAL	15.5	7	6	6	5	3
4 x2-1/8 ROUND OR OCTAGONAL	21.5	10	9	8	7	4
4 x1-1/4 SQUARE	18.0	9	8	7	6	3
4 x1-1/2 SQUARE	21.0	10	9	8	7	4
4 x2-1/8 SQUARE	30.3	15	13	12	10	6
4-11/16 x1-1/4 SQUARE	25.5	12	11	10	8	5
4-11/16 x1-1/2 SQUARE	29.5	14	13	11	9	5
4-11/16 x2-1/8 SQUARE	42.0	21	18	16	14	8
3 x2 x1-1/2 DEVICE	7.5	3	3	3	2	1
3 x2 x2 DEVICE	10.0	5	4	4	3	2
3 x2 x2-1/4 DEVICE	10.5	5	4	4	3	2
3 x2 x2-1/2 DEVICE	12.5	6	5	5	4	2
3 x2 x2-3/4 DEVICE	14.0	7	6	5	4	2
3 x2 x3-1/2 DEVICE	18.0	9	8	7	6	3
4 x2-1/8 x1-1/2 DEVICE	10.3	5	4	4	3	2
4 x2-1/8 x1-7/8 DEVICE	13.0	6	5	5	4	2
4 x2-1/8 x2-1/8 DEVICE	14.5	7	6	5	4	2
3-3/4 x2 x2-1/2 MASONRY BOX / GANG	14.0	7	6	5	4	2
3-3/4 x2 x3-1/2 MASONRY BOX / GANG	21.0	10	9	8	7	4
FS – MINIMUM INTERNAL DEPTH 1-3/4 SINGLE COVER / GANG	13.5	6	6	5	4	2
FD – MINIMUM INTERNAL DEPTH 2-3/8 SINGLE COVER / GANG	18.0	9	8	7	6	3
FS – MINIMUM INTERNAL DEPTH 1-3/4 MULTIPLE COVER / GANG	18.0	9	8	7	6

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 1 of 6)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

A. General Information

Climate Zone: 6	Conditioned Floor Area: 54411					
	Unconditioned Floor Area:					
Building Type:	☐	Nonresidential	☐	High-Rise Residential	☐	Hotel/Motel
☑ Schools	☐	Relocatable Public Schools	☑	Conditioned Spaces	☐	Unconditioned Spaces
Phase of Construction:	☐	New Construction	☐	Addition	☑	Alteration
Method of Compliance:	☐	Complete Building	☑	Area Category	☐	Tailored
Project Address: 7075 CAMPUS RD, MOORPARK, CA 93021						

B. Lighting Compliance Documents (select yes for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	COMP. DOC.	TITLE
⦿	○	NRCC-LTI-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
⦿	○	NRCC-LTI-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
⦿	○	NRCC-LTI-03-E	Indoor Lighting Power Allowance
⦿	○	NRCC-LTI-04-E	Tailored Method Worksheets
⦿	○	NRCC-LTI-05-E	Line Voltage Track Lighting Worksheets
○	⦿	NRCC-LTI-06-E	Indoor Lighting Existing Conditions

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 6)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

C. Summary of Allowed Lighting Power

Conditioned and Unconditioned space lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
01	**Installed** Lighting NRCC-LTI-01-E, Table H, page 5	+	15325	**Installed** Lighting NRCC-LTI-01-E, Table H, page 5	+	
02	Portable Only for Offices NRCC-LTI-01-E, Table G, page 4	+				
03	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-		Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	
04	Adjusted **Installed** Lighting Power (row 1 plus row 2 minus row 3)	=	15325	Adjusted **Installed** Lighting Power (row 1 minus row 3)	=	0
	Complies ONLY if **Installed** ≤ **Allowed** (Box 04 < Box 05)			Complies ONLY if **Installed** ≤ **Allowed** (Box 04 < Box 05)		
05	**Allowed** Lighting Power Conditioned NRCC-LTI-03-E, page 1 Alterations with replacement luminaires that have at least 50/35%lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-06, page 2		76175.4	**Allowed** Lighting Power Unconditioned NRCC-LTI-03-E, page 1 Alterations with replacement luminaires that have at least 50/35% lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-06, page 2		

D. Declaration of Required Certificates of Installation

Declare by selecting yes for all of the Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
⦿	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
⦿	○	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
○	⦿	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
○	⦿	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
○	⦿	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
○	⦿	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 6)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

E. Declaration of Required Certificates of Acceptance

Declare by selecting yes for all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	FORM/TITLE	
○	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
⦿	○	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
○	⦿	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector
○	⦿	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for: ☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

F. Indoor Lighting Schedule and Field Inspection Energy Checklist

- ☐ The actual indoor lighting power listed on the next 2 pages includes all installed permanent and planned portable lighting systems.
- ☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
- ☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
- ☐ Also include track lighting in schedule, and submit the track lighting compliance document (NRCC-LTI-05-E) when line-voltage track lighting is installed.

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 4 of 6)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

G. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)

- This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance document.
- This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office
- Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.

Office Portable Luminaire Schedule	Office Installed Portable Luminaire W/ft²							Office Location	Field Inspector	
01	02	03	04	05	06	07	08	09	10	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable luminaire watts in this office (G02 x G03)	Square feet of this office	Watts per square foot (G04 / G05)	If G06 ≤ 0.3, enter zero; If G06 > 0.3, (G06-0.3)	(G05 x G07)	Identify Office area in which these portable luminaires are installed	Pass	Fail
			0				0		○	○
			0				0		○	○
			0				0		○	○
			0				0		○	○
			0				0		○	○
Total installed portable luminaire watts that are greater than 0.3 W/ft² per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

H. Indoor Lighting Schedule and Field Inspection Energy Checklist

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
01	02	03	04		05	06	07	08	
			How wattage was determined						
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	CEC-Default from NA8	According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (H03 x H05)	Primary Function area in which these luminaires are installed	Pass	Fail
B1	BATHROOM 1 X 4 LED	19	☐	☑	12	228	1ST & 2ND LEVEL	○	○
D1	4" DOWNLITE LED	25	☐	☑	15	375	1ST & 2ND LEVEL	○	○
D2	6" DOWNLITE LED	31	☐	☑	21	651	1ST & 2ND LEVEL	○	○
D3	6" DOWNLITE LED	31	☐	☑	23	713	1ST & 2ND LEVEL	○	○
D4	8" DOWNLITE LED	34	☐	☑	6	204	1ST & 2ND LEVEL	○	○
F0	1 X 4 SURFACE LED	40	☐	☑	42	1680	1ST & 2ND LEVEL	○	○
F1	1 X 4 RECESSED LED	34	☐	☑	22	748	1ST & 2ND LEVEL	○	○
F2	2 X 2 TROFFER LED	37	☐	☑	18	666	1ST & 2ND LEVEL	○	○
F3	1 X 4 SURFACE LED	39	☐	☑	25	975	1ST & 2ND LEVEL	○	○
				INSTALLED WATTS PAGE TOTAL:		6240	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 6 of 6)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: KEN LUCCI	Documentation Author Signature:
Company: LUCCI & ASSOCIATES	Signature Date: 09-15-2017
Address: 3251 CORTE MALPASO, SUITE 511	CEA Certification Identification (if applicable):
City/State/Zip: CAMARILLO, CA., 93012	Phone: 805 389-6520

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: KEN LUCCI	Responsible Designer Signature:
Company: LUCCI & ASSOCIATES	Date Signed: 09-15-2017
Address: 3251 CORTE MALPASO, SUITE 511	License: E8340
City/State/Zip: CAMARILLO, CA., 93012	Phone: 805 389-6520

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

H. Indoor Lighting Schedule and Field Inspection Energy Checklist

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
01	02	03	04		05	06	07	08	
			How wattage was determined						
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	CEC-Default from NA8	According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (H03 x H05)	Primary Function area in which these luminaires are installed	Pass	Fail
F4	2 X 4 TROFFER LED	45	☐	☑	65	2925	1ST & 2ND LEVEL	○	○
F5	1 X 4 SURFACE LED	20	☐	☑	40	800	1ST & 2ND LEVEL	○	○
F8	1 X 4 SURFACE LED	24	☐	☑	35	840	1ST & 2ND LEVEL	○	○
P1	PENDANT	52	☐	☑	60	3120	1ST & 2ND LEVEL	○	○
S2	2 FT SURFACE LED	26	☐	☑	20	520	1ST & 2ND LEVEL	○	○
S4	4 FT SURFACE LED	40	☐	☑	22	880	1ST & 2ND LEVEL	○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
				INSTALLED WATTS PAGE TOTAL:		9085	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

CONSULTANT
LUCCI & ASSOCIATES INC.
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Web Site http://www.luccilland.com

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ✓ FLS 2+4 SS 10
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

ARCHITECTS STAMP
WILLIAM PERRY AMADOR — LICENSED ARCHITECT — C-35648 — JANUARY 31, 2019 RENEWAL DATE — STATE OF CALIFORNIA
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER — No. E 8340 — Exp. 09/30/2018 — ELECTRICAL — STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023
TITLE 24 PAGE 1	**E101**

IF THIS SHEET IS NOT 30"X 42", IT IS NOT FULL SIZE DRAWINGS ACCORDINGLY

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L.A.I.# 16159 PAPER SIZE 42"X36"

PATHNAME: G:\16\16159\ELL\Sheets\GYM
DRAWING FILENAME: 16159E101
DRAFTER: Lee Keener
DATE: 22 March 2018
TIME: 5:03 pm

Drawing as Opened: Paper Size: ISO A1 (841.00 x 594.00 MM) Scale Factor: 1.000000 Rotation: 0.00° Model Space Layout: Layout1 2017-08-19 05:06:51 PM G:\16\16159\ELL\Sheets\GYM\16159E101.dwg

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Offset: Lee Keener: G:\16\16159\ELL\Sheets\GYM\16159E101.dwg; DATE: AUG 19, 2017 TIME: 3:06 PM

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

A. Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
⊙	○	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
⊙	○	Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
⊙	○	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
⊙	○	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
⊙	○	All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
⊙	○	All luminaires shall be functionally controlled with manual ON and OFF lighting controls in accordance with Section 130.1(a).
⊙	○	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
⊙	○	The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
⊙	○	All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
⊙	○	Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
⊙	○	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
⊙	○	Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or leave empty if Exempted)								PAF Credit Calculation [2]			✓ If Acceptance Test Required	Field Inspector	
											Watts of Controlled Lighting	PAF	Control Credit (11 x 12)			
01	02	03	04	05	06	07	08	09	10		11	12	13	14	15	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	§140.6(a)2	§140.6(d)						Pass	Fail
1ST FLOOR	OCCUPANCY SENSOR	77	◆	◆									0	☐	○	○
2ND FLOOR	OCCUPANCY SENSOR	32	◆	◆	◆								0	☐	○	○
GYM FLOOR	DIMMER	6	◆	◆									0	☐	○	○
MEZANINE	OCCUPANCY SENSOR	5	◆	◆									0	☐	○	○
													0	☐	○	○
													0	☐	○	○
													0	☐	○	○
										Control Credit PAGE TOTAL (Sum of Column 13):			0			
										IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column 13):						
														Enter Control Credit total into NRCC-LTI-01-E; Page 1.		

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: KEN LUCCI	Documentation Author Signature:
Company: LUCCI & ASSOCIATES	Signature Date: 09-15-2017
Address: 3251 CORTE MALPASO, SUITE 511	CEA Certification Identification (if applicable):
City/State/Zip: CAMARILLO, CA., 93012	Phone: 805 389-6520

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable Inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: KEN LUCCI	Responsible Designer Signature:
Company: LUCCI & ASSOCIATES	Date Signed: 09-15-2017
Address: 3251 CORTE MALPASO, SUITE 511	License: E8340
City/State/Zip: CAMARILLO, CA., 93012	Phone: 805 389-6520

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 1 of 4)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES
If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.
If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts

	(a)		(b)
01 Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)	76175.4		
02 Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)			
03 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E			
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1	76175.4		0

☐ Check here if building contains both conditioned and unconditioned areas.

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

01	02		03		04
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER ft²	X	COMPLETE BLDG. AREA	=	ALLOWED WATTS
AUDITORIUM	1.4		54411		76175.4
	Total Area:		54411		
	Total Watts. Enter Total Watts into section A, row 1 (Above on this page)				76175.4

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES

	Watts
Total from section C-2.	
Total from section C-3.	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page).	0
For Alterations Only – Reduced lighting power option (Total Allowed Watts x 0.85). Enter this value into section A, row 2 if using this option.	

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 2 of 4)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

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C -2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE
- Do not include portable lighting for offices. Portable lighting for offices shall be documented only in Section G of NRCC-LTI-01-E.
- Separately list lighting for each primary function area as defined in §100.1 of the Standards.

01		02		03		04
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS PER ft²	X	AREA (ft²)	=	ALLOWED WATTS
Location in Building	Primary Function Area per Table 140.6-C					
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
				TOTALS		0
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance document)						WATTS

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 3 of 4)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
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C-3 AREA CATEGORY METHOD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes)

01	02	03 [2]	04	05	06	07
Primary Function	Sq Ft or Linear ft [1]	Additional Watts Allowed	Wattage Allowance (02 x 03)	Description(s) and Quantity of Special Luminaire Types in each Primary Function Area	Total Design Watts [3]	ALLOWED WATTS Smaller of 04 or 06
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
TOTALS – Enter into TOTAL AREA CATEGORY METHOD ADDITIONAL ALLOWANCES – Section C-1						

1. Use linear feet only for additional allowance for white board or chalk board. All other additional Area Category allowances shall use watts per square foot.
2. Additional watts are available only when allowed according to the footnotes on bottom of Table 140.6-C, which include: Specialized task work; Ornamental lighting; Precision commercial and industrial work; Per linear foot of white board or chalk board; Accent, display and feature lighting; and Videoconferencing studio lighting..
3. Luminaire classification and wattage shall be determined in accordance with §130.0(c) of the Standards.

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 4 of 4)
Project Name: MOORPARK COLLEGE GYMNASIUM 7075 CAMPUS RD, MOORPARK, CA 93021	Date Prepared: 10-15-2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: KEN LUCCI	Documentation Author Signature:
Company: LUCCI & ASSOCIATES	Signature Date: 09-15-2017
Address: 3251 CORTE MALPASO, SUITE 511	CEA Certification Identification (if applicable):
City/State/Zip: CAMARILLO, CA., 93012	Phone: 805 389-6520

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable Inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: KEN LUCCI	Responsible Designer Signature:
Company: LUCCI & ASSOCIATES	Date Signed: 09-15-2017
Address: 3251 CORTE MALPASO, SUITE 511	License: E8340
City/State/Zip: CAMARILLO, CA., 93012	Phone: 805 389-6520

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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ✓ FLS JH SS PP
DATE 06-19-18

AMADOR WHITTLE
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CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER — JOSEPH M. LUCCI — No. E 8340 — Exp. 09/30/2018 — ELECTRICAL — STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023
TITLE 24 PAGE 2	E102 OF —

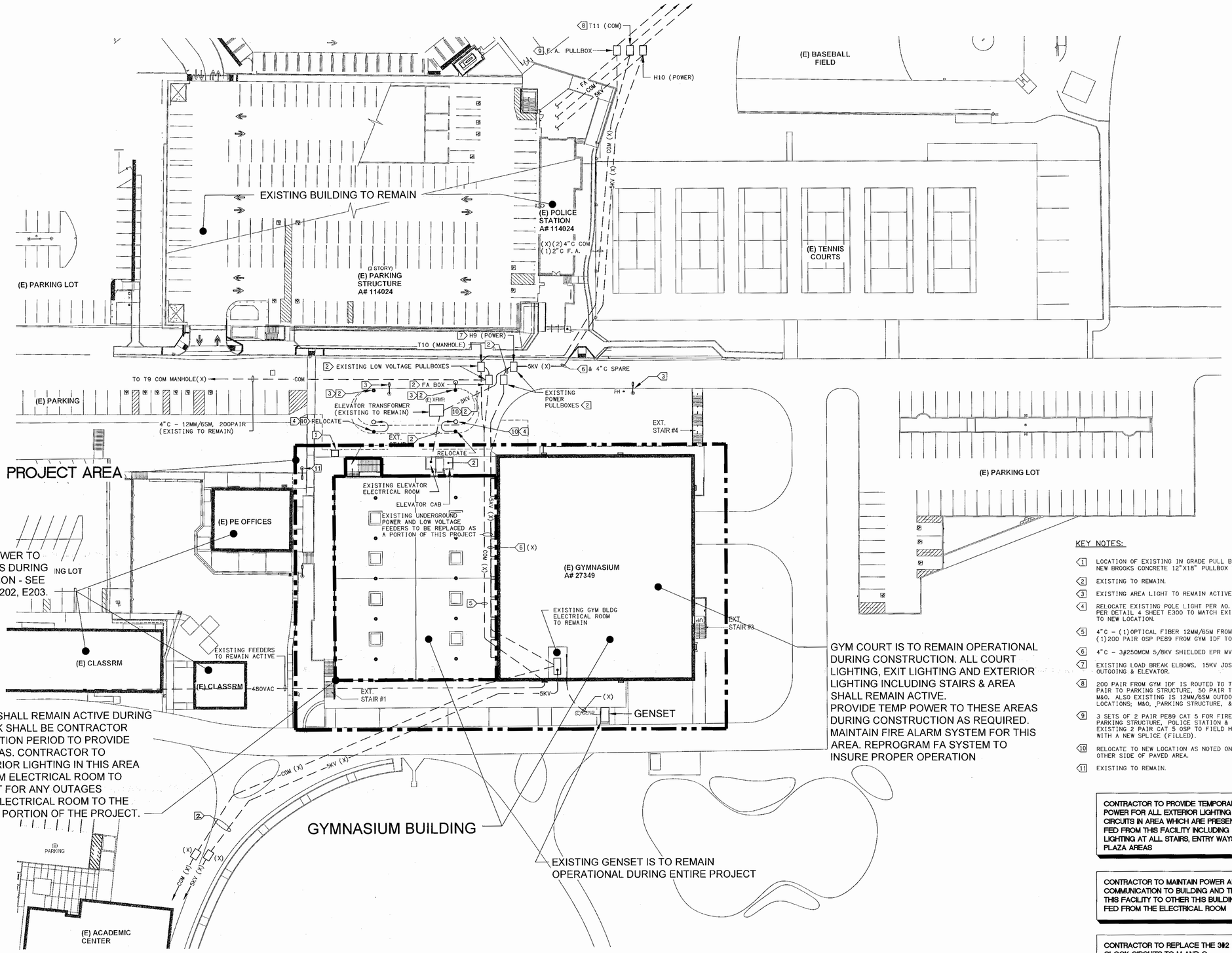
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G:\16\159\E\Sheets\GYM\16159E102.dwg Mar 22, 2018, 5:04pm Lee Keener



1"=30'-0" 0 15' 30' 60' 90'

SITE PLAN ELECTRICAL DEMOLITION

SCALE: 1"=30'-0"

1 / E120

KEY NOTES:

1. LOCATION OF EXISTING IN GRADE PULL BOX, RELOCATE PER C-4.00, PROVIDE NEW BROOKS CONCRETE 12"X18" PULLBOX WITH TRAFFIC RATED COVER.
2. EXISTING TO REMAIN.
3. EXISTING AREA LIGHT TO REMAIN ACTIVE.
4. RELOCATE EXISTING POLE LIGHT PER A0.00 & A1.00. PROVIDE POLE BASE PER DETAIL 4 SHEET E300 TO MATCH EXISTING, EXTEND EXISTING CIRCUIT TO NEW LOCATION.
5. 4"C - (1)OPTICAL FIBER 12MM/65M FROM GYM IDF TO PARKING STRUCTURE; & (1)200 PAIR OSP PE89 FROM GYM IDF TO T11 VIA T10.
6. 4"C - 3#250MCM 5/8KV SHIELDED EPR MV-105 OKONITE & 1/0 GROUND.
7. EXISTING LOAD BREAK ELBOWS, 15KV JOSELYN, STACKED 3 HIGH; INCOMING, OUTGOING & ELEVATOR.
8. 200 PAIR FROM GYM IDF IS ROUTED TO T11 WHERE IT IS SPLICED WITH 50 PAIR TO PARKING STRUCTURE, 50 PAIR TO POLICE STATION AND 50 PAIR TO M&O. ALSO EXISTING IS 12MM/65M OUTDOOR RATED TO EACH OF THE (3) LOCATIONS; M&O, PARKING STRUCTURE, & POLICE STATION FROM GYM IDF.
9. 3 SETS OF 2 PAIR PE89 CAT 5 FOR FIRE ALARM FROM GYM IDF TO EACH PARKING STRUCTURE, POLICE STATION & M & O FA PANELS. CONNECT THE EXISTING 2 PAIR CAT 5 OSP TO FIELD HOCKY IN THE EXISTING PULLBOX T11 WITH A NEW SPLICE (FILLED).
10. RELOCATE TO NEW LOCATION AS NOTED ON ARCHITECTURAL/CIVIL PLANS TO OTHER SIDE OF PAVED AREA.
11. EXISTING TO REMAIN.

CONTRACTOR TO PROVIDE TEMPORARY POWER FOR ALL EXTERIOR LIGHTING CIRCUITS IN AREA WHICH ARE PRESENTLY FED FROM THIS FACILITY INCLUDING LIGHTING AT ALL STAIRS, ENTRY WAYS AND PLAZA AREAS

CONTRACTOR TO MAINTAIN POWER AND COMMUNICATION TO BUILDING AND THRU THIS FACILITY TO OTHER THIS BUILDINGS FED FROM THE ELECTRICAL ROOM

CONTRACTOR TO REPLACE THE 3#2 CLOCK CIRCUITS TO M AND O BUILDING, PARKING STRUCTURE AND POLICE STATION STRUCTURE FROM GYM ELECTRICAL ROOM

CONSULTANT

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FILE NO. 56-C1
APPL NO. 03-118379
AC ✓ FLS ZK SS ✓
DATE 06-19-18

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ARCHITECT'S STAMP

LICENSED ARCHITECT — NEW PRIOR TO — JANUARY 01, 2019 — RENEWAL DATE — C-30345 — STATE OF CALIFORNIA

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CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER — No. E 16340 — Exp. 09/30/2018 — ELECTRICAL — STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

SITE PLAN ELECTRICAL DEMOLITION — **E120** — — OF —

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I.A.I.# 16159 PAPER SIZE 42"x36"

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PATHNAME: G:\16\1596\EL\Sheets\GYM DATE: 22 March 2018 TIME: 5:04 pm
DRAWING FILENAME: 16159E130 DRAFTER: Lee Keener

POWER TO ALL DEVICES AND FIXTURES IN THIS AREA TO REMAIN ACTIVE DURING THE PERIOD OF CONSTRUCTION

POWER TO ALL DEVICES AND FIXTURES IN THIS AREA TO REMAIN ACTIVE DURING THE PERIOD OF CONSTRUCTION - INCLUDING FIRE ALARM

LIGHTING WHEN REPLACED IN ELECTRICAL ROOM SHALL BE ACCOMPLISHED WHILE MAINTAINING SOME ACTIVE LIGHTING FIXTURES FOR SAFETY PURPOSES DURING MODIFICATION.

ALL EXTERIOR AREA LIGHTING SHALL BE MAINTAINED DURING PROJECT CONSTRUCTION EXCEPT WHERE NOTED OTHERWISE

CONTRACTOR SHALL, IN PROJECT AREA AS DEFINED BY THESE DOCUMENTS, REMOVE ALL LIGHTING FIXTURES, CONDUCTORS, CONDUITS, DEVICES, SUPPORTS, ETC AND PROPERLY DISPOSE OF ALL THESE ITEMS. CIRCUITS WHICH ARE REQUIRED TO REMAIN ENERGIZED DURING THE CONSTRUCTION PERIOD SINCE THEY ARE NEEDED FOR EXTERIOR LIGHTING, SAFETY, NIGHT LIGHTING OR OTHER CAMPUS FUNCTIONS SHALL REMAIN ACTIVE BY TEMPORARY MEANS AND SHALL BE CONTROLLED BY A NEW ASTRONOMICAL TIME CLOCK OR OTHER APPROVED (BY EOR) DEVICE UNTIL REPLACED AS A PORTION OF THE NEW CONSTRUCTION SCOPE OR SERVICES

DRAWING DOES NOT DEPICT ALL LIGHTING FIXTURES AND DEVICES

SEE E151 FOR "AS-BUILT" LIGHTING PLAN FOR THIS FLOOR

1/8"=1'-0" 0 4' 8' 16' 24'

FIRST FLOOR DEMOLITION - LIGHTING
SCALE: 1/8"=1'-0"

1 / E130

KEY NOTES:

[1] PROJECT AREA.

SHEET NOTES:

1. SCOPE: PROVIDE AND PERFORM DEMOLITION, PREPARATORY AND MISCELLANEOUS WORK IN AREAS AS INDICATED AND SPECIFIED, COMPLETE.
2. DEMOLITION AND REMOVAL OF EXISTING ELECTRICAL CONDUIT, WIRING AND EQUIPMENT REQUIRED TO COMPLETE THE PROJECT.
3. PREPARATION OF THE EXISTING BUILDING TO RECEIVE OR CONNECT THE NEW WORK.
4. MISCELLANEOUS DEMOLITION, CUTTING, ALTERATION, AND REPAIR WORK IN THE EXISTING BUILDING NECESSARY FOR THE COMPLETION OF THE ENTIRE PROJECT.
5. DISCONNECTING AND RECONNECTION OF ELECTRICAL EQUIPMENT AS REQUIRED BY THE CONSTRUCTION MODIFICATIONS.
6. EXISTING CONDITIONS: PRIOR TO BID MAKE A DETAILED SURVEY OF THE EXISTING CONDITIONS PERTAINING TO THE WORK. CHECK THE LOCATIONS OF ALL EXISTING STRUCTURES, EQUIPMENT AND WIRING (BRANCH CIRCUITING AND CONTROLS). CHECK FOR ANY HAZARDOUS MATERIALS WHICH MAY REQUIRE SPECIAL HANDLING.
7. SALVAGE AND DISPOSAL: ALL REMOVED MATERIAL OTHER THAN ITEMS TO BE REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF IN ACCORDANCE WITH INSTRUCTIONS FROM THE OWNER'S REPRESENTATIVE. DISPOSAL SHALL BE DONE IN ACCORDANCE WITH EPA AND GOVERNING BODY REQUIREMENTS AND REGULATIONS. CONTRACTOR SHALL PAY ALL FEES AND CHARGES FOR DISPOSAL.
8. SCHEDULE ALL WORK AND OUTAGES WITH OWNER AND OBTAIN OWNERS WRITTEN APPROVAL.
9. CONTRACTOR SHALL LEAVE ALL CIRCUITS ENERGIZED TO DEVICES IN AREAS OUTSIDE OF DEMOLITION AREA EVEN IF FEEDERS ARE ROUTED THROUGH DEMOLITION AREA.

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ARCHITECT'S STAMP
LICENSED ARCHITECT WILLIAM JOSE WHITTLE C-26348 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER JESSE PHILIP LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

FIRST FLOOR DEMOLITION - LIGHTING

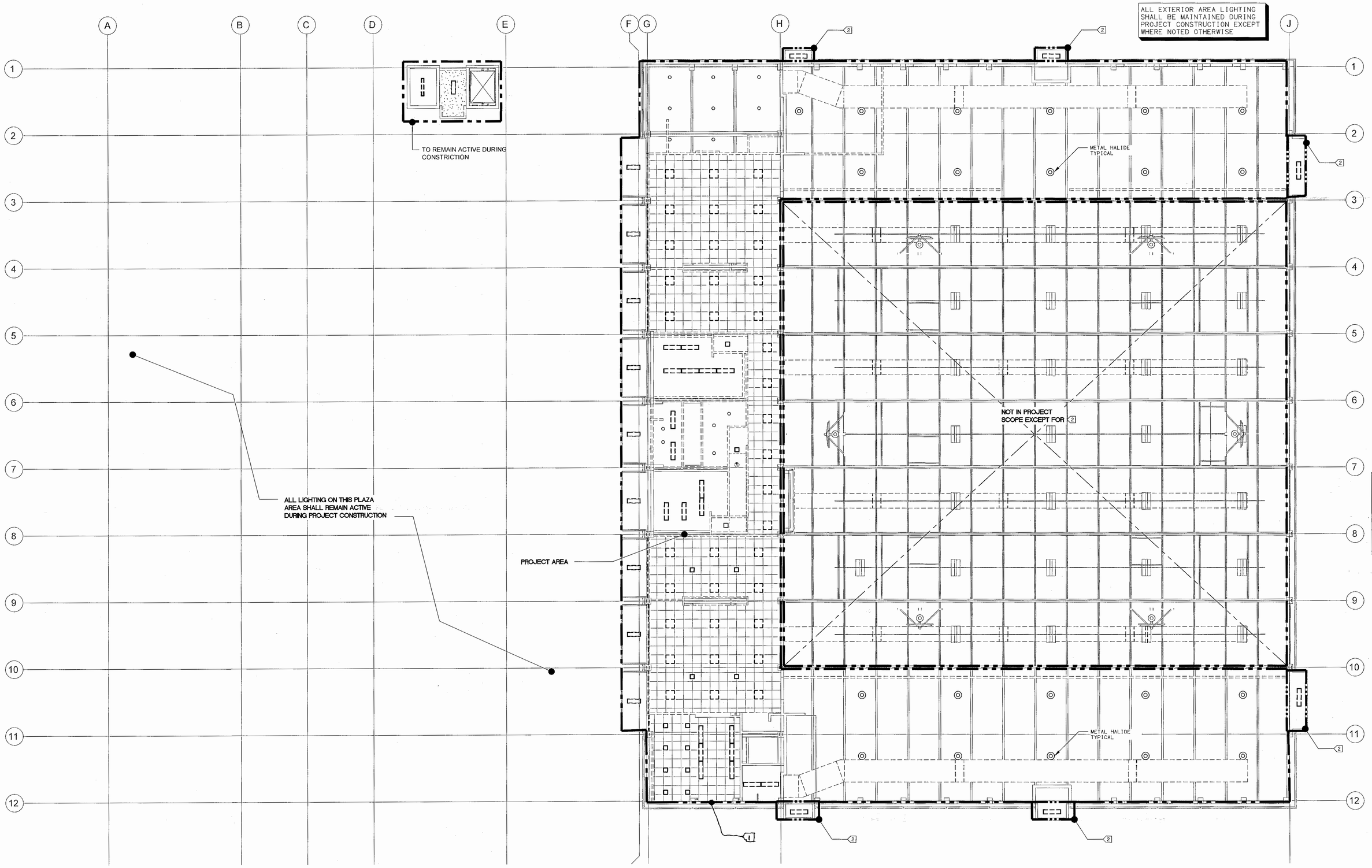
E130

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L.A.I.# 16159 PAPER SIZE 42"x36"

G:\16\1596\EL\Sheets\GYM\16159E130.dwg Mar 22, 2018, 5:04pm Lee Keener
plan: Lee Keener; G:\16\1596\EL\Sheets\GYM\16159E130.dwg; DATE: FEB 01, 2018, TIME: 8:25 AM
Drafter:Lee Keener Paper Size:E2
Plot By: Lee Keener
Plot Scale: 1.0000 ' / Inch
Plot Style Table: Color.ctb
Plot Date/Time: Thursday, March 22, 2018 - 5:04:07 PM
Last Saved By: Lee Keener
File Name: G:\16\1596\EL\Sheets\GYM\16159E130.dwg
Layout: FIRST FLOOR - DEMOLITION E130



CONTRACTOR SHALL, IN PROJECT AREA AS DEFINED BY THESE DOCUMENTS, REMOVE ALL LIGHTING FIXTURES, CONDUCTORS, CONDUITS, DEVICES, SUPPORTS, ETC AND PROPERLY DISPOSE OF ALL THESE ITEMS. CIRCUITS WHICH ARE REQUIRED TO REMAIN ENERGIZED DURING THE CONSTRUCTION PERIOD SINCE THEY ARE NEEDED FOR EXTERIOR LIGHTING, SAFETY, NIGHT LIGHTING OR OTHER CAMPUS FUNCTIONS SHALL REMAIN ACTIVE BY TEMPORARY MEANS AND SHALL BE CONTROLLED BY A NEW ASTRONOMICAL TIME CLOCK OR OTHER APPROVED (BY EOR) DEVICE UNTIL REPLACED AS A PORTION OF THE NEW CONSTRUCTION

DRAWING DOES NOT DEPICT ALL LIGHTING FIXTURES AND DEVICES - FIELD VERIFY

1/8"=1'-0"

0 4' 8' 16' 24'

SECOND FLOOR DEMOLITION - LIGHTING

SCALE: 1/8"=1'-0"

1 / E131

KEY NOTES:

1. PROJECT AREA.
2. CONTRACTOR TO MAINTAIN POWER TO OR REFEED POWER TO LIGHTING FIXTURES,(EXCEPT INCANDESCENT MEDIUM BAY INCANDESCENT HIGH BAY FIXTURES), BLEACHERS, FIRE ALARM, BASKETBALL WINCHES & OTHER COURT RELATED ELECTRICAL ITEMS.

SHEET NOTES:

1. SCOPE: PROVIDE AND PERFORM DEMOLITION, PREPARATORY AND MISCELLANEOUS WORK IN AREAS AS INDICATED AND SPECIFIED, COMPLETE.
2. DEMOLITION AND REMOVAL OF EXISTING ELECTRICAL CONDUIT, WIRING AND EQUIPMENT REQUIRED TO COMPLETE THE PROJECT.
3. PREPARATION OF THE EXISTING BUILDING TO RECEIVE OR CONNECT THE NEW WORK.
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7. SALVAGE AND DISPOSAL: ALL REMOVED MATERIAL OTHER THAN ITEMS TO BE REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF IN ACCORDANCE WITH INSTRUCTIONS FROM THE OWNER'S REPRESENTATIVE. DISPOSAL SHALL BE DONE IN ACCORDANCE WITH EPA AND GOVERNING BODY REQUIREMENTS AND REGULATIONS. CONTRACTOR SHALL PAY ALL FEES AND CHARGES FOR DISPOSAL.
8. SCHEDULE ALL WORK AND OUTAGES WITH TENANTS AND OWNERS WRITTEN APPROVAL.
9. CONTRACTOR SHALL LEAVE ALL CIRCUITS ENERGIZED TO DEVICES IN AREAS OUTSIDE OF DEMOLITION AREA EVEN IF FEEDERS ARE ROUTED THROUGH DEMOLITION AREA.

CONSULTANT

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REGISTERED PROFESSIONAL ENGINEER JOSEPH ANTHONY LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

SECOND FLOOR DEMOLITION - LIGHTING — **E131** — ___ of ___

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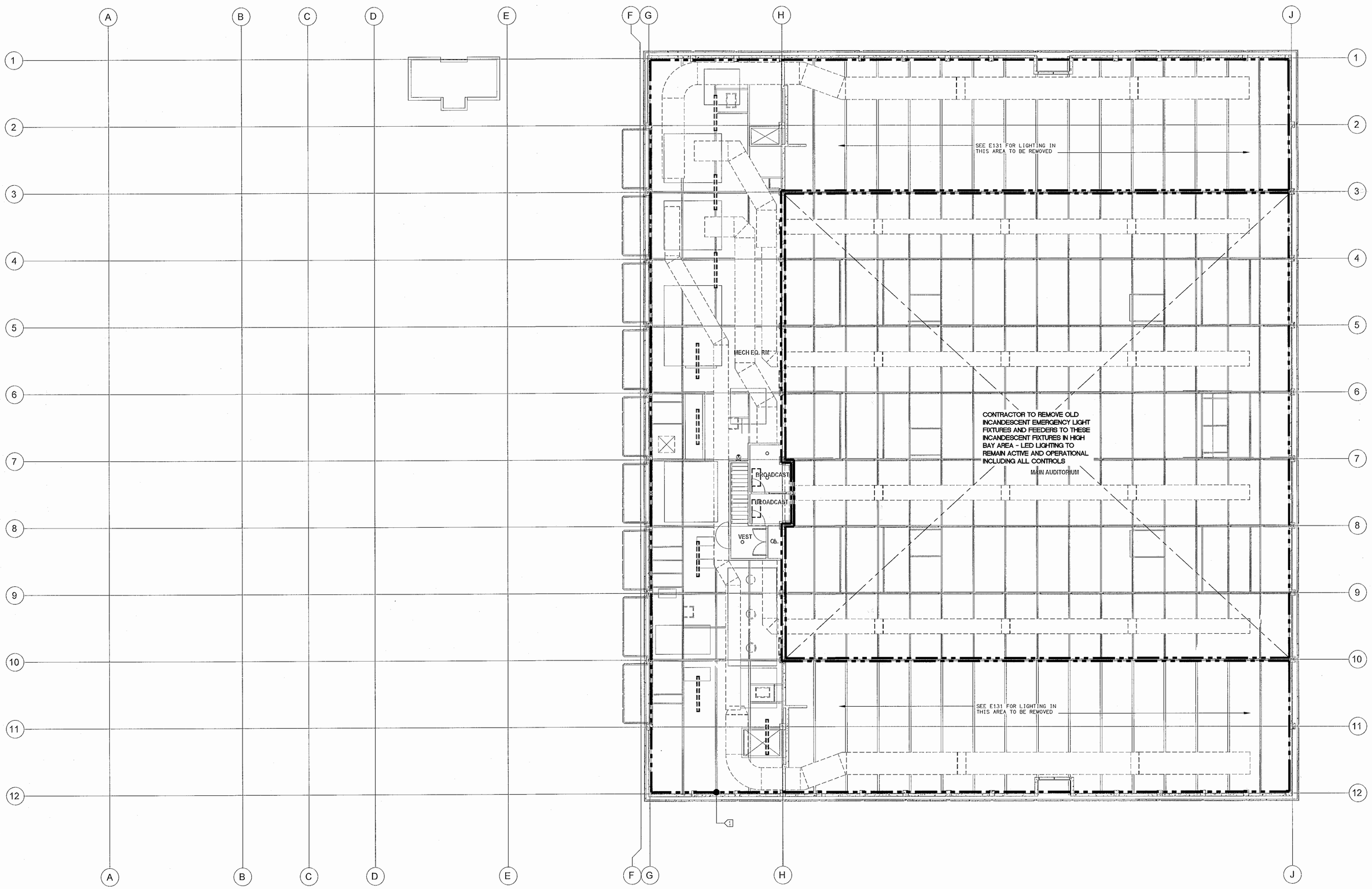
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L.A.I.# 16159 PAPER SIZE 42"x36"

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G:\16\159\EL\Sheets\GYM\16159E131.dwg Mar 22, 2018, 5:04pm Lee Keener

plotted: Lee Keener G:\16\159\EL\Sheets\GYM\16159E131.dwg DATE: FEB 01, 2019 TIME: 9:11 AM



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DRAWING DOES NOT DEPICT ALL LIGHTING FIXTURES AND DEVICES

1/8"=1'-0" 0 4' 8' 16' 24'

MEZZANINE DEMOLITION - LIGHTING

SCALE: 1/8"=1'-0"

1 / E132

KEY NOTES:

<1> PROJECT AREA TO HAVE LIGHTING FIXTURES, LIGHTING DEVICES & FEEDERS REMOVED & REPLACED PER E300 SERIES DRAWINGS. PROVIDE TEMPORARY LIGHTING FIXTURES FOR THIS AREA SINCE SOME OF THE POWER PANELS WILL REMAIN AND BE OPERATIONAL FOR GYM USAGE DURING CONSTRUCTION.

SHEET NOTES:

1. SCOPE: PROVIDE AND PERFORM DEMOLITION, PREPARATORY AND MISCELLANEOUS WORK IN AREAS AS INDICATED AND SPECIFIED, COMPLETE.
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APPL. NO. 03-118379
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REGISTERED PROFESSIONAL ENGINEER MICHELE THIW No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

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7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

MEZZANINE DEMOLITION - LIGHTING

E132

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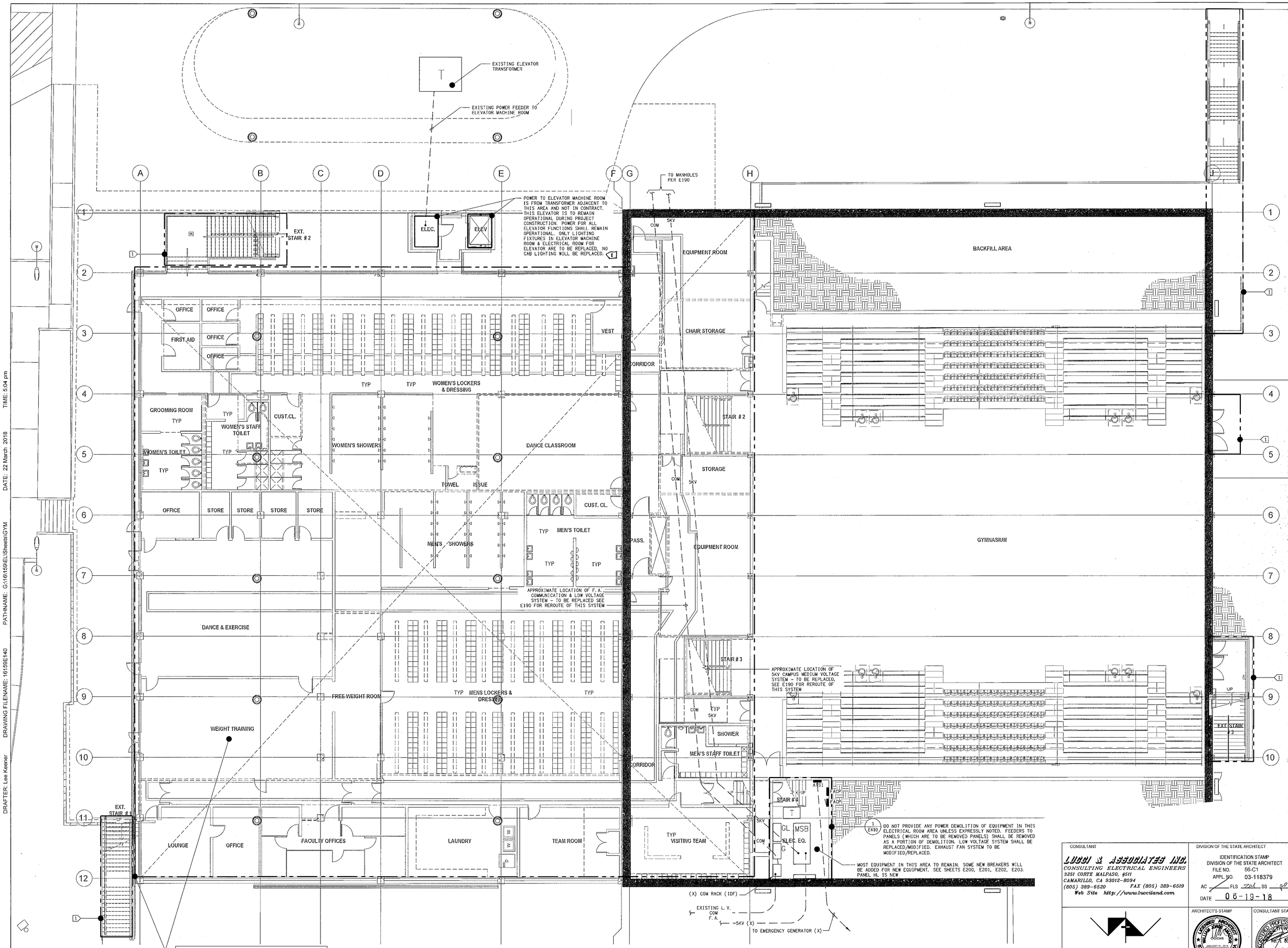
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L.A.I.# 16159 PAPER SIZE 42"x36"

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C:\16\159\2\Sheets\GYM\16159E132.dwg Mar 22, 2018, 5:04pm Lee Keener

Xrefs: Lee Keener G:\16\159\E\Sheets\GYM\16159E132.dwg DATE: FEB 01, 2018 TIME: 9:25 AM



KEY NOTES:

1 POWER TO EXTERIOR LIGHTING ON STAIRWELLS & ELEVATOR AREA SHALL REMAIN ACTIVE DURING CONSTRUCTION. CONTRACTOR TO PROVIDE TEMPORARY POWER FOR LIGHTING IN THESE AREAS.

SHEET NOTES:

1. SCOPE: PROVIDE AND PERFORM DEMOLITION, PREPARATORY AND MISCELLANEOUS WORK IN AREAS AS INDICATED AND SPECIFIED, COMPLETE.
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8. SCHEDULE ALL WORK AND OUTAGES WITH TENANTS AND OWNERS WRITTEN APPROVAL.
9. CONTRACTOR SHALL LEAVE ALL CIRCUITS ENERGIZED TO DEVICES IN AREAS OUTSIDE OF DEMOLITION AREA EVEN IF FEEDERS ARE ROUTED THROUGH DEMOLITION AREA.

1/8"=1'-0" 0 4' 8' 16' 24'

FIRST FLOOR DEMOLITION - ELECTRICAL POWER & LOW VOLTAGE

SCALE: 1/8"=1'-0"

1 / E140

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FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

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ARCHITECT'S STAMP
LICENSED ARCHITECT WILLIAM JOHNE AMADOR C026348 RENEWAL JANUARY 31, 2019 STATE OF CALIFORNIA

CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER ROBERT H. WHITTLE No. E 9340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

FIRST FLOOR DEMOLITION - ELECTRICAL POWER & LOW VOLTAGE

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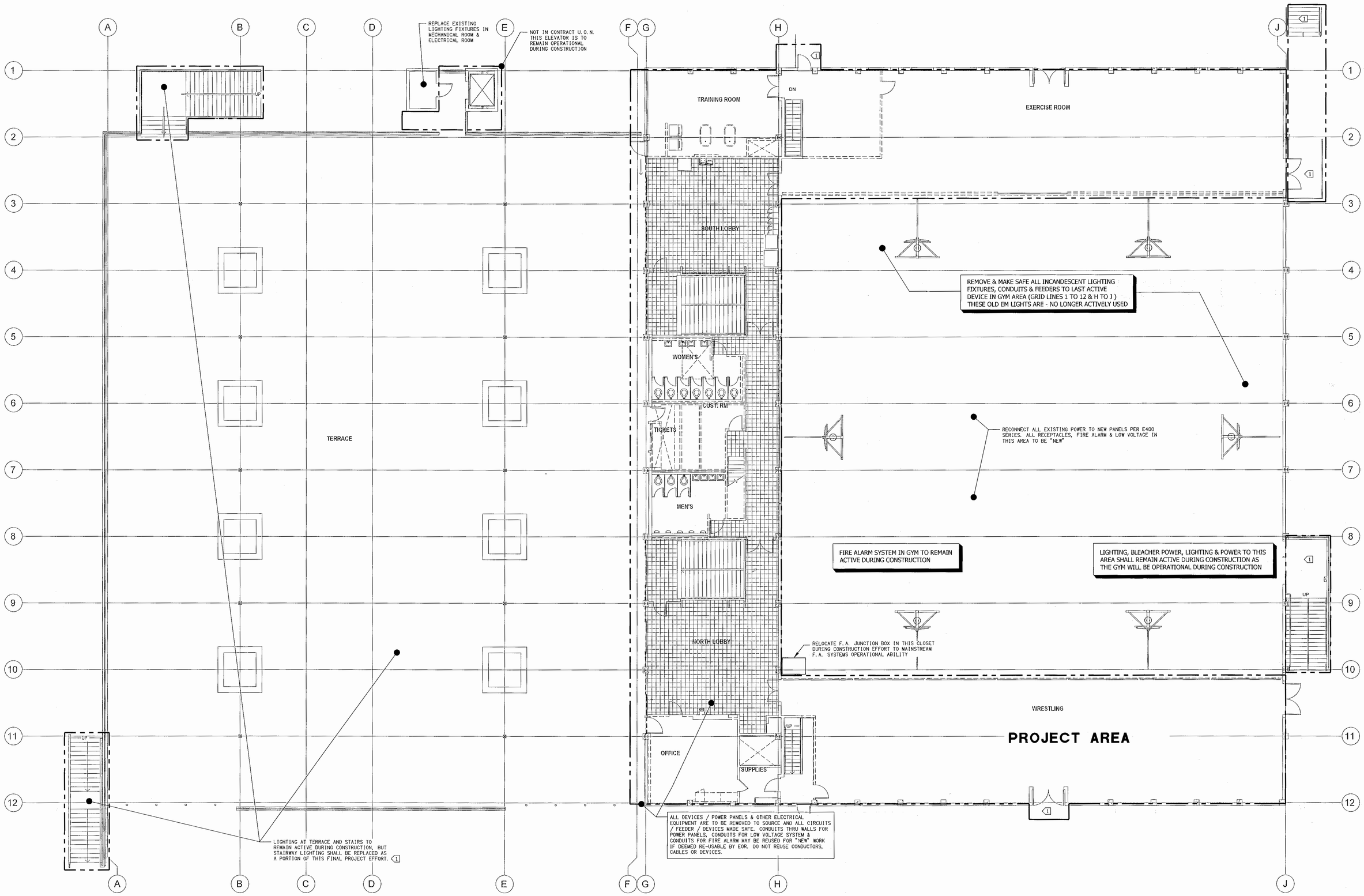
E140 SHEET OF

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L.A.I.# 16159 PAPER SIZE 42"x36"

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KEY NOTES:

1 LIGHTING FOR ENTRY/EGRESS AREAS & SITE LIGHTING SHALL REMAIN ACTIVE DURING THE PROJECT CONSTRUCTION PERIOD.

SHEET NOTES:

1. SCOPE: PROVIDE AND PERFORM DEMOLITION, PREPARATORY AND MISCELLANEOUS WORK IN AREAS AS INDICATED AND SPECIFIED, COMPLETE.
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9. CONTRACTOR SHALL LEAVE ALL CIRCUITS ENERGIZED TO DEVICES IN AREAS OUTSIDE OF DEMOLITION AREA EVEN IF FEEDERS ARE ROUTED THROUGH DEMOLITION AREA.

1/8"=1'-0" 0 4' 8' 16' 24'

SECOND FLOOR DEMOLITION - ELECTRICAL

SCALE: 1/8"=1'-0"

1 / E141

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LICENSED ARCHITECT WILLIAM FRED WHITTLE C-20348 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

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CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER RICHARD C. LUCCI No. E 9340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

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REVISIONS	DATE: 03/26/2018
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	CHECK: K.L.
	JOB NO: 16-MPC-023

SECOND FLOOR DEMOLITION - ELECTRICAL

E141

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1/8"=1'-0" 0 4' 8' 16' 24'

MEZZANINE DEMOLITION - ELECTRICAL

SCALE: 1/8"=1'-0"

1 / E142

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REGISTERED PROFESSIONAL ENGINEER JOHN P. LUCCI No. E 8940 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

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MEZZANINE DEMOLITION - ELECTRICAL

E142

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L.A.I.# 16159 PAPER SIZE 42"x36"

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DATE: 22 March 2018 TIME: 5:04 pm
PATHNAME: G:\16\16159E\LSheets\GYM
DRAWING FILENAME: 16159E151
DRAFTER: Lee Keener

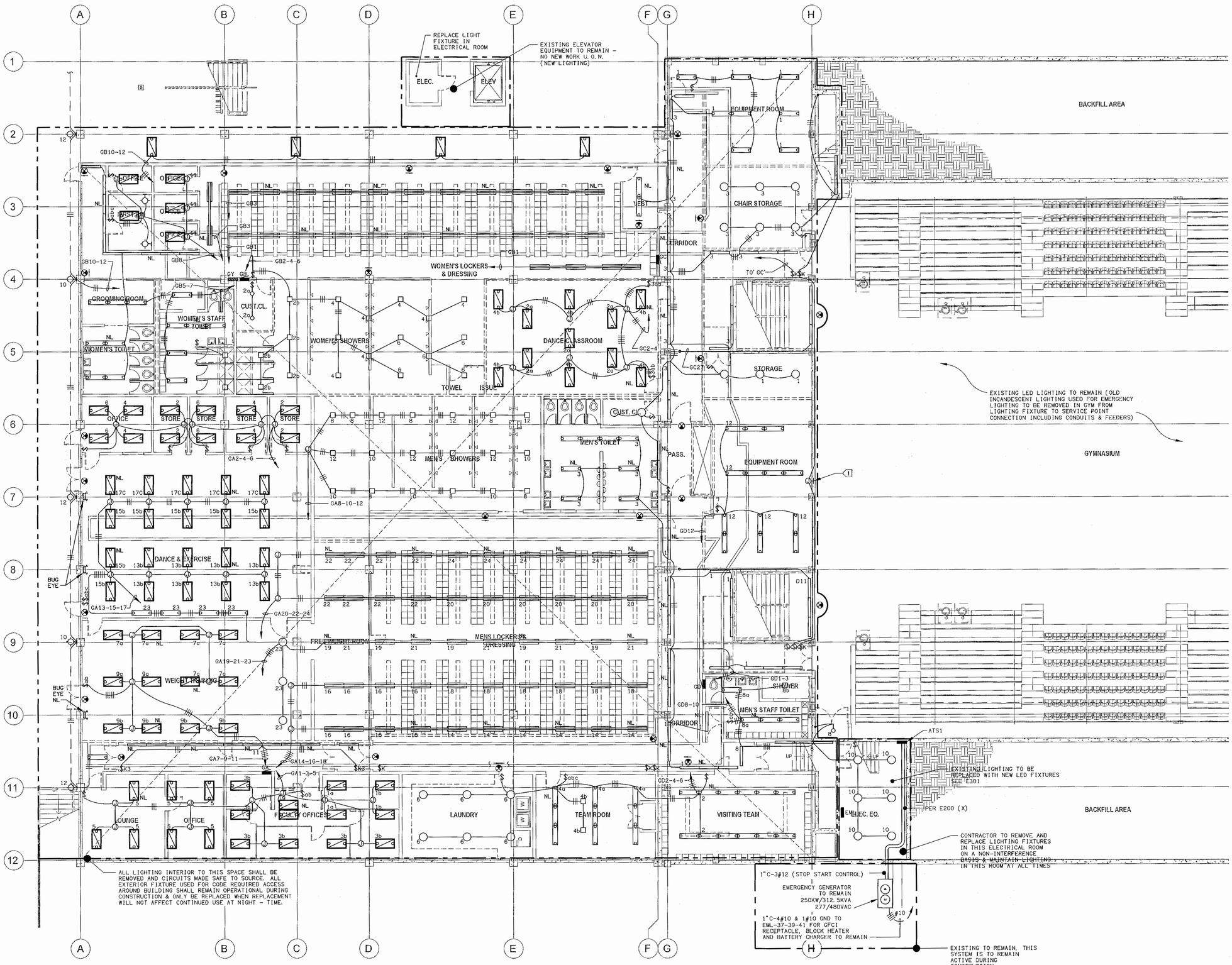
SHEET NOTES:

1. SCOPE: PROVIDE AND PERFORM DEMOLITION, PREPARATORY AND MISCELLANEOUS WORK IN AREAS AS INDICATED AND SPECIFIED, COMPLETE.
2. DEMOLITION AND REMOVAL OF EXISTING ELECTRICAL CONDUIT, WIRING AND EQUIPMENT REQUIRED TO COMPLETE THE PROJECT.
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7. SALVAGE AND DISPOSAL: ALL REMOVED MATERIAL OTHER THAN ITEMS TO BE REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF IN ACCORDANCE WITH INSTRUCTIONS FROM THE OWNER'S REPRESENTATIVE. DISPOSAL SHALL BE DONE IN ACCORDANCE WITH EPA AND GOVERNING BODY REQUIREMENTS AND REGULATIONS. CONTRACTOR SHALL PAY ALL FEES AND CHARGES FOR DISPOSAL.
8. SCHEDULE ALL WORK AND OUTAGES WITH TENANTS AND OWNERS WRITTEN APPROVAL.
9. CONTRACTOR SHALL LEAVE ALL CIRCUITS ENERGIZED TO DEVICES IN AREAS OUTSIDE OF DEMOLITION AREA EVEN IF FEEDERS ARE ROUTED THROUGH DEMOLITION AREA.
10. RETURN TO OWNER ALL REMOVED SELF ILLUMINATED EXIT SIGNS AND BATTERY BALLASTS. IF NOT NEEDED BY OWNER, CONTRACTOR TO DISPOSE OF EQUIPMENT PROPERLY.

KEY NOTES:

<1> REMOVE ALL LIGHTING FIXTURES, CONDUITS & CONDUCTORS & MAKE SAFE ALL CIRCUITS.

THE QUANTITY AND TYPES OF LIGHTING FIXTURES SHOWN ARE 'APPROXIMATE' BASED ON AS-BUILT CONDITIONS AND SITE SURVEY. CONTRACTOR TO VERIFY LOCATION AND QUANTITY

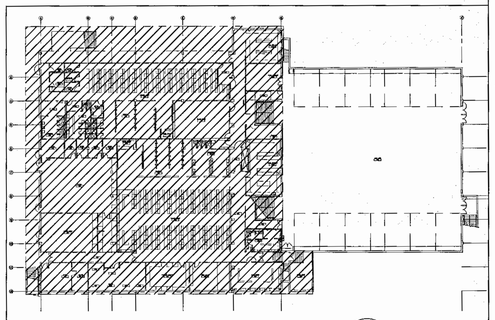


SCALE: 1/8"=1'-0"

FIRST FLOOR EXISTING LIGHTING PLAN

SCALE: 1/8"=1'-0"

1 / E151



KEY MAP

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519
Web Site http://www.lucciland.com

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

ARCHITECT'S STAMP
LICENSED ARCHITECT WILLIAM JOHN WHITTLE No. C-30941 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

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AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER MATTHEW LUCCI No. E 9340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

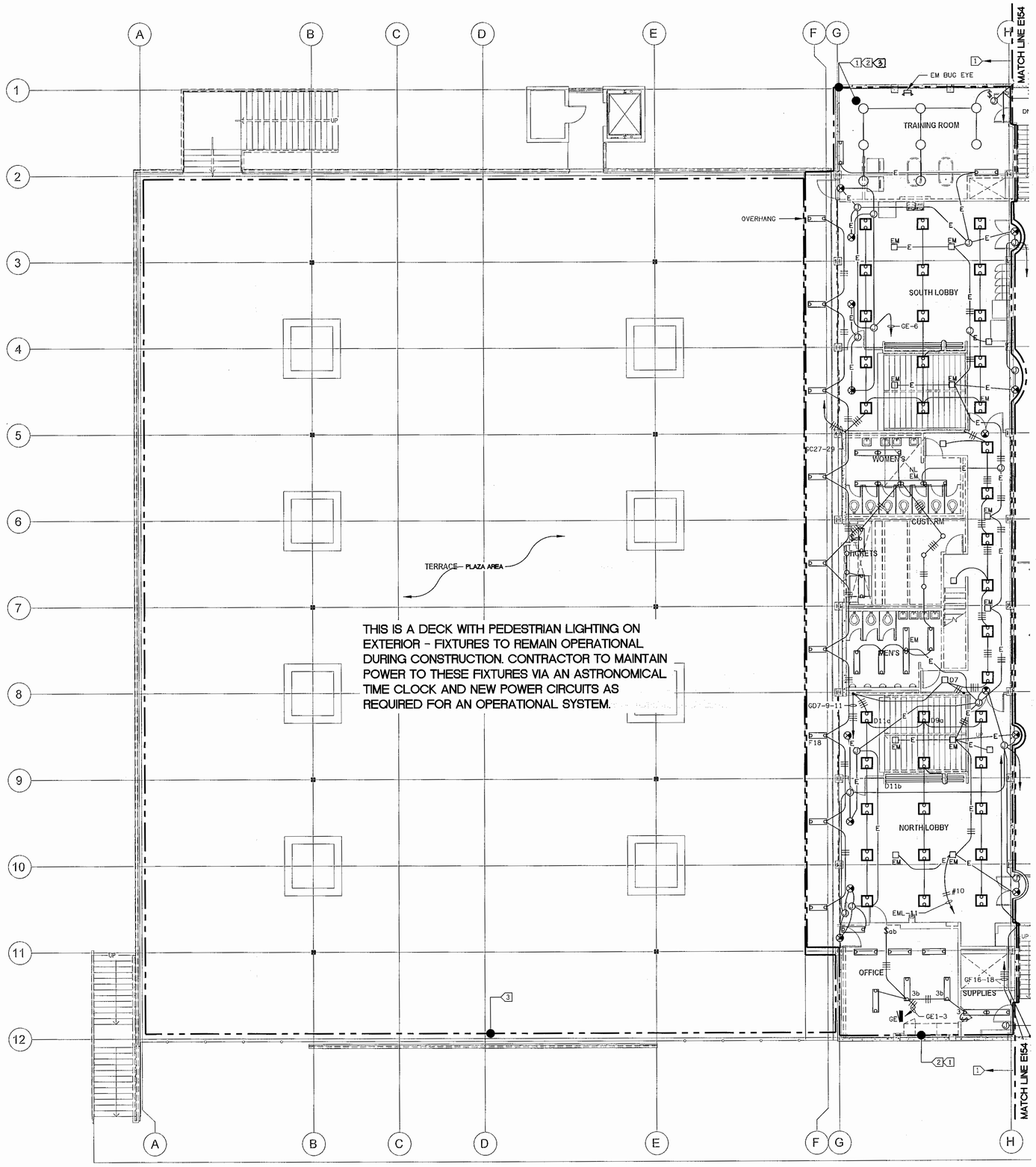
REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

FIRST FLOOR EXISTING LIGHTING PLAN

E151 OF

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

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THIS IS A DECK WITH PEDESTRIAN LIGHTING ON EXTERIOR - FIXTURES TO REMAIN OPERATIONAL DURING CONSTRUCTION. CONTRACTOR TO MAINTAIN POWER TO THESE FIXTURES VIA AN ASTRONOMICAL TIME CLOCK AND NEW POWER CIRCUITS AS REQUIRED FOR AN OPERATIONAL SYSTEM.

SCALE: 1/8"=1'-0"
0 8' 16'

SECOND FLOOR EXISTING LIGHTING PLAN

SCALE: 1/8"=1'-0"

1 / E153

SHEET NOTES:

1. SCOPE: PROVIDE AND PERFORM DEMOLITION, PREPARATORY AND MISCELLANEOUS WORK IN AREAS AS INDICATED AND SPECIFIED, COMPLETE.
2. DEMOLITION AND REMOVAL OF EXISTING ELECTRICAL CONDUIT, WIRING AND EQUIPMENT REQUIRED TO COMPLETE THE PROJECT.
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8. SCHEDULE ALL WORK AND OUTAGES WITH TENANTS AND OWNERS WRITTEN APPROVAL.
9. CONTRACTOR SHALL LEAVE ALL CIRCUITS ENERGIZED TO DEVICES IN AREAS OUTSIDE OF DEMOLITION AREA EVEN IF FEEDERS ARE ROUTED THROUGH DEMOLITION AREA.

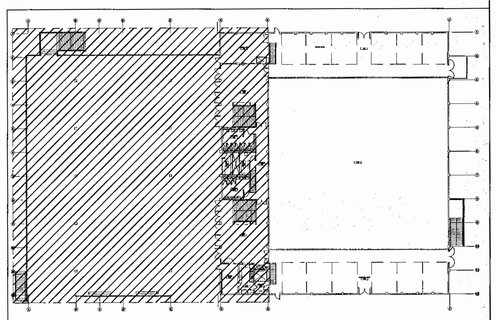
KEY NOTES:

<1> EXISTING LIGHTING FIXTURES, CONDUIT & CONDUCTORS TO BE REMOVED TO SERVICE & MAKE SAFE ALL CONNECTIONS.

<2> ALL LIGHTING INTERIOR TO THIS SPACE SHALL BE REMOVED AND CIRCUITS MADE SAFE TO SOURCE. ALL EXTERIOR FIXTURE USED FOR CODE REQUIRED ACCESS AROUND BUILDING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION & ONLY BE REPLACED WHEN REPLACEMENT WILL NOT AFFECT CONTINUED USE AT NIGHT - TIME.

<3> ALL EXTERIOR FIXTURE USED FOR CODE REQUIRED ACCESS AROUND BUILDING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION & ONLY BE REPLACED WHEN REPLACEMENT WILL NOT AFFECT CONTINUED USE AT NIGHT - TIME.

THE QUANITY AND TYPES OF LIGHTING FIXTURES SHOWN ARE 'APPROXIMATE' BASED ON AS-BUILT CONDITIONS AND SITE SURVEY. CONTRACTOR TO VERIFY



KEY MAP

CONSULTANT

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
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Web Site http://www.luccitand.com

DIVISION OF THE STATE ARCHITECT

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DIVISION OF THE STATE ARCHITECT
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DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

ARCHITECT'S STAMP

LICENSED ARCHITECT WILLIAM JORDAN AMADOR C-26348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

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AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

SECOND FLOOR EXISTING LIGHTING PLAN — **E153** — OF

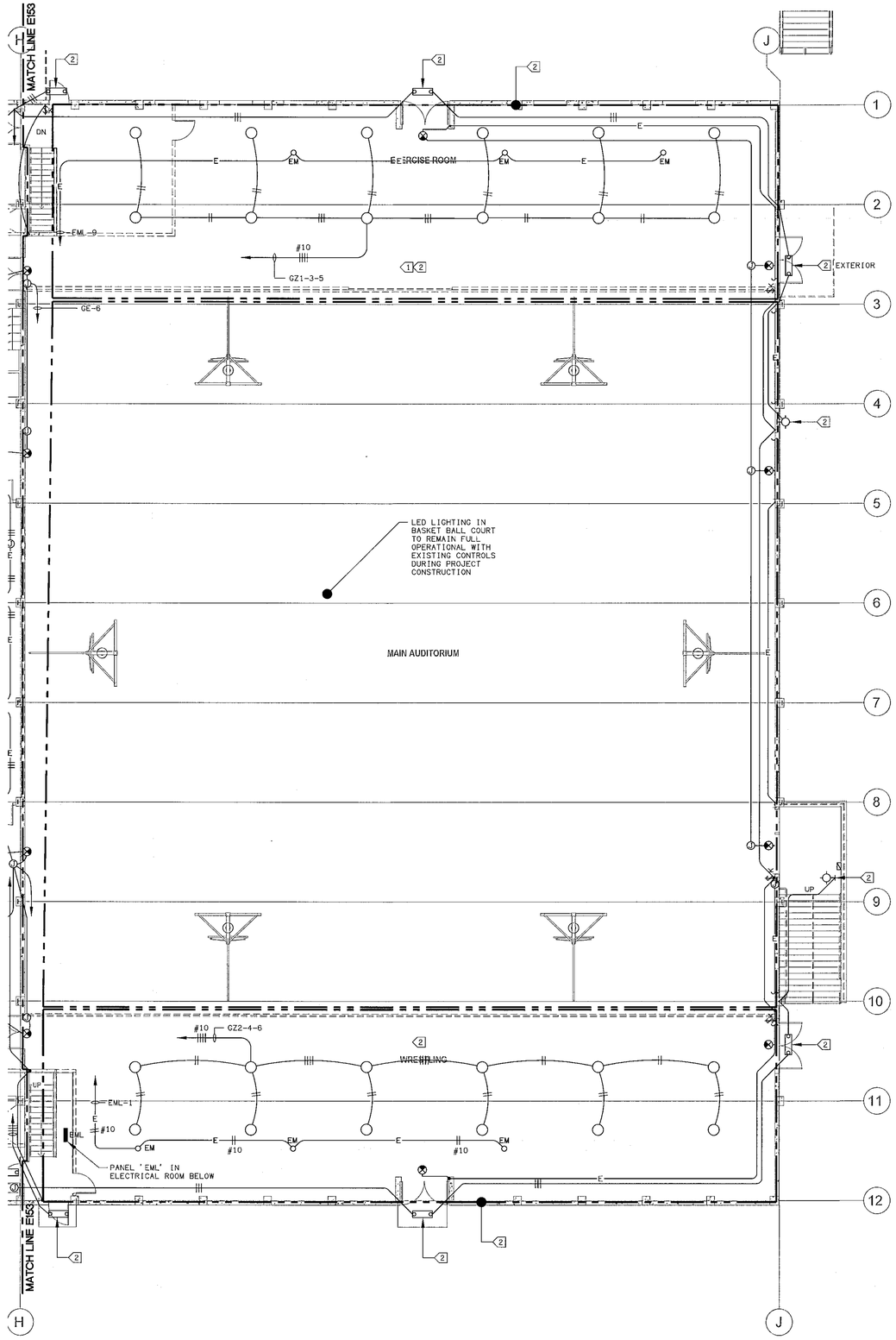
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L.A.I.# 16159 PAPER SIZE 42"x30"

DRAFTER: Lee Keener DRAWING FILENAME: 16159E153 PATHNAME: G:\16\159\ELL\Sheets\GYM DATE: 22 March 2018 TIME: 5:04 pm

G:\16\159\ELL\Sheets\GYM\16159E153.dwg Mar 22, 2018, 5:04pm Lee Keener



SCALE: 1/8"=1'-0"
0 8' 16'

SECOND FLOOR EXISTING LIGHTING PLAN

SCALE: 1/8"=1'-0"

1 – E154

N

SHEET NOTES:

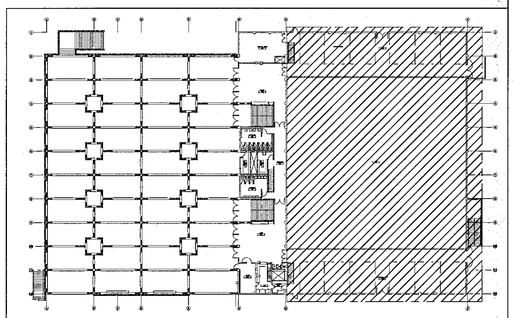
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10. CONTRACTOR TO RETURN TO OWNER ALL SELF ILLUMINATED EXIT SIGN.

KEY NOTES:

<1> NOT USED.

<2> ALL LIGHTING INTERIOR TO THIS SPACE SHALL BE REMOVED AND CIRCUITS MADE SAFE TO SOURCE. ALL EXTERIOR FIXTURE USED FOR CODE REQUIRED ACCESS AROUND BUILDING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION & ONLY BE REPLACED WHEN REPLACEMENT WILL NOT AFFECT CONTINUED USE AT NIGHT – TIME.

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KEY MAP

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Web Site http://www.luccicland.com

DIVISION OF THE STATE ARCHITECT

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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS 2H SS ___
DATE 06-19-18

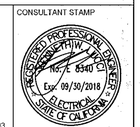
AMADOR WHITTLE
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28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

ARCHITECT'S STAMP



28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

CONSULTANT STAMP



MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

SECOND FLOOR EXISTING LIGHTING PLAN — **E154** — ___ OF ___

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L.A.I.# 16159 PAPER SIZE 42"x36"

DRAFTER: Lee Keener DRAWING FILENAME: 16159E154 PATHNAME: G:\16\159\EE\Sheets\CIM\16159E154.dwg DATE: 22 March 2018 TIME: 5:05 pm

Last Saved By: Lee Keener Plotted: Mar 22, 2018 - 5:05pm
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Xref: 16159E-Floor Plan Existing.dwg
Xref: 16159E-Floor Plan - Demo.dwg
Xref: 16159E-Floor Plan - New.dwg
Xref: 16159E-Floor Plan - Shade.dwg

G:\16\159\EE\Sheets\CIM\16159E154.dwg Mar 22, 2018, 5:05pm Lee Keener

DRAFTER: Lee Keener DRAWING FILENAME: 16159E155 PATHNAME: G:\16\16159\EL\Sheets\GYM DATE: 22 March 2018 TIME: 5:05 pm

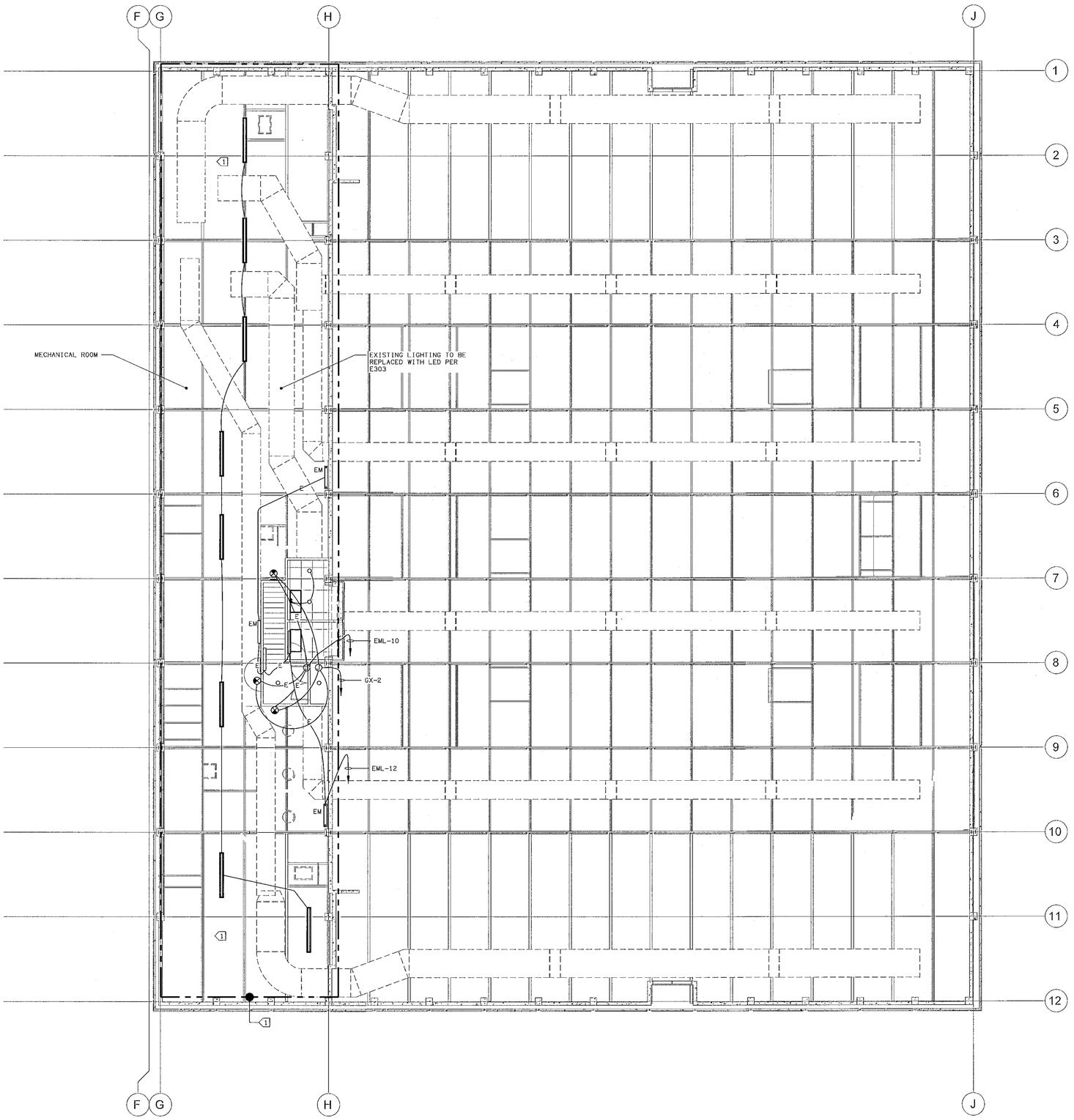
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KEY NOTES:

<1> ALL LIGHTING INTERIOR TO THIS SPACE SHALL BE REMOVED AND CIRCUITS MADE SAFE TO SOURCE. ALL EXTERIOR FIXTURE USED FOR CODE REQUIRED ACCESS AROUND BUILDING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION & ONLY BE REPLACED WHEN REPLACEMENT WILL NOT AFFECT CONTINUED USE AT NIGHT – TIME.

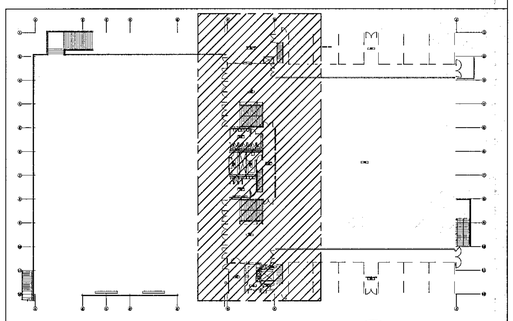
THE QUANITY AND TYPES OF LIGHTING FIXTURES SHOWN ARE 'APPROXIMATE' BASED ON AS-BUILT CONDITIONS AND SITE SURVEY. CONTRACTOR TO VERIFY



SCALE: 1/8"=1'-0"
0 8' 16'

MEZZANINE EXISTING LIGHTING PLAN
SCALE: 1/8"=1'-0"

1/E155



KEY MAP

CONSULTANT

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519
Web Site http://www.luccitand.com

DIVISION OF THE STATE ARCHITECT

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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS 21 SS 10
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

ARCHITECT'S STAMP

LICENSED ARCHITECT WILLIAM AMADOR WHITTLE C-30148 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER KEITH LUCCI No. E 8340 Exp 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

MEZZANINE EXISTING LIGHTING PLAN

E155

— OF —

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

G:\16\16159\EL\Sheets\GYM\16159E155.dwg Mar 22, 2018, 5:05pm Lee Keener

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L.A.I.# 16159 PAPER SIZE 42"x36"

SHEET NOTES:

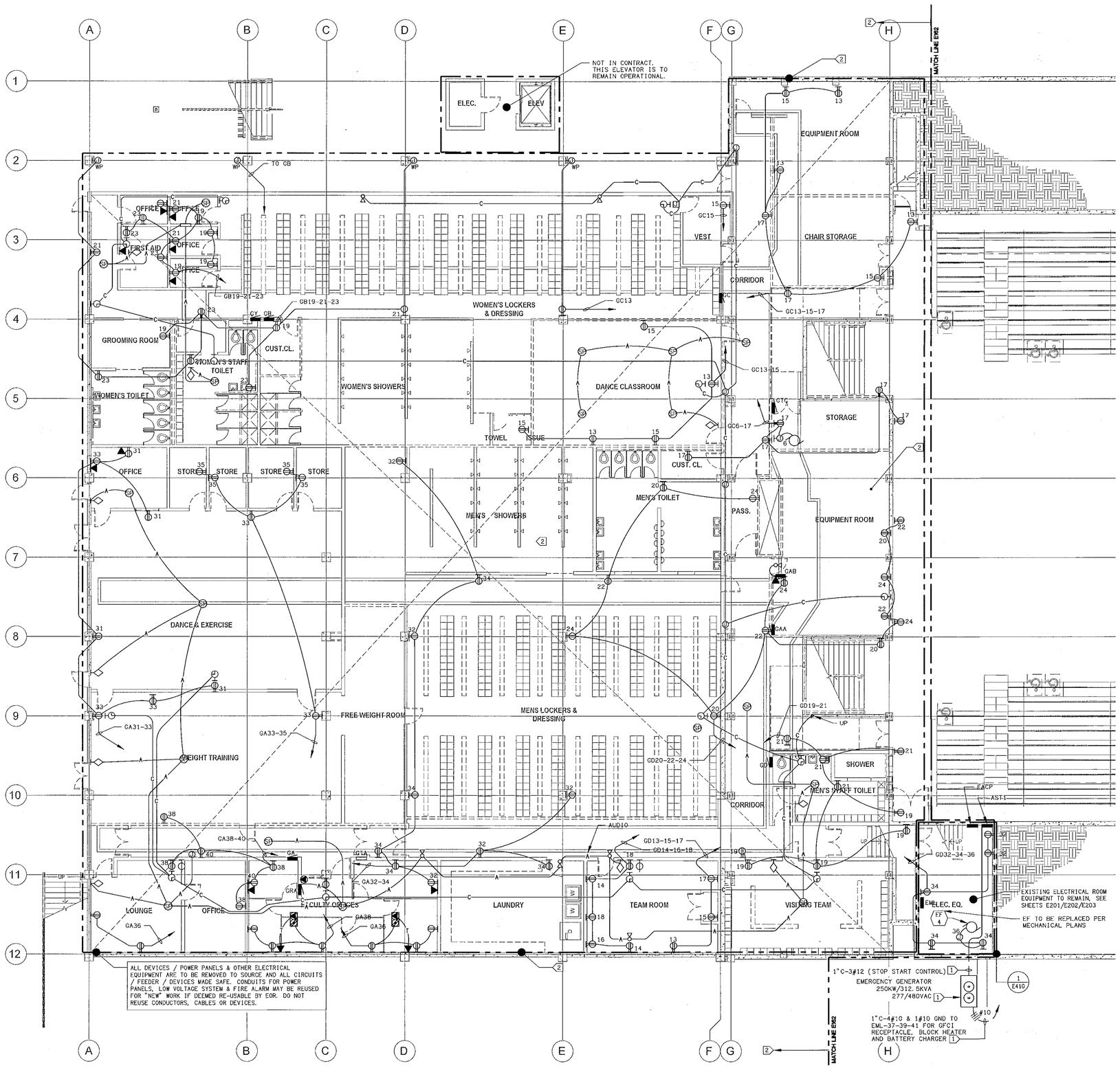
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9. CONTRACTOR SHALL LEAVE ALL CIRCUITS ENERGIZED TO DEVICES IN AREAS OUTSIDE OF DEMOLITION AREA EVEN IF FEEDERS ARE ROUTED THROUGH DEMOLITION AREA.

KEY NOTES:

<1> EXISTING PANEL CIRCUITS FEEDING EXTERIOR & STREET LIGHTING SHALL BE EXISTING TO REMAIN.

<2> ALL EXISTING DEVICES IN THIS AREA TO BE REMOVED UNLESS NOTED OTHERWISE. MAINTAIN POWER TO GYM FLOOR DEVICES.

LEGEND (TYPICAL ALL E160 SHEETS)
LOUDSPEAKER VOLUME CONTROL
HORN TYPE LOUDSPEAKER
TV OUTLET
SECONDARY CLOCK
SPEAKER RECESSED
—A— PUBLIC ADDRESS SYSTEM CONDUIT
—C— CLOCK & PROGRAM SYSTEM CONDUIT

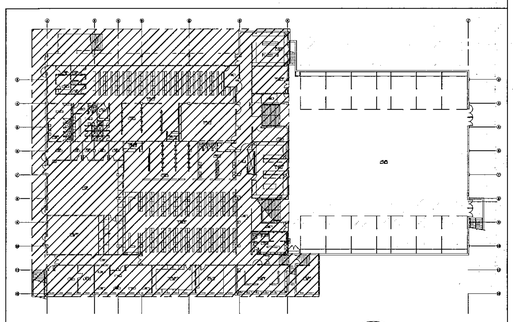


SCALE: 1/8"=1'-0"
0 8' 16'

FIRST FLOOR -EXISTING POWER & COM PLAN

SCALE: 1/8"=1'-0"

1 / E161



KEY MAP

CONSULTANT

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519
Web Site http://www.luccilandd.com

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS ___ SS ___
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

ARCHITECT'S STAMP

LICENSED ARCHITECT — RICHARD A. AMADOR — C-26348 — JANUARY 31, 2019 RENEWAL DATE — STATE OF CALIFORNIA

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER — KENNETH LUCCI — No. E 9340 — Exp 09/30/2018 — ELECTRICAL — STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

FIRST FLOOR -EXISTING POWER & COM PLAN

E161

— OF —

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

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L.A.I.# 16159 PAPER SIZE 42"x36"

DRAFTER: Lee Keener DRAWING FILENAME: 16159E161 PATHNAME: G:\16\159\EL\Sheets\GYM DATE: 22 March 2018 TIME: 5:05 pm

G:\16\159\EL\Sheets\GYM\16159E161.dwg Mar 22, 2018, 5:05pm Lee Keener

PLOT DATE: Mar 22, 2018 - 5:05pm
PLOT BY: Lee Keener
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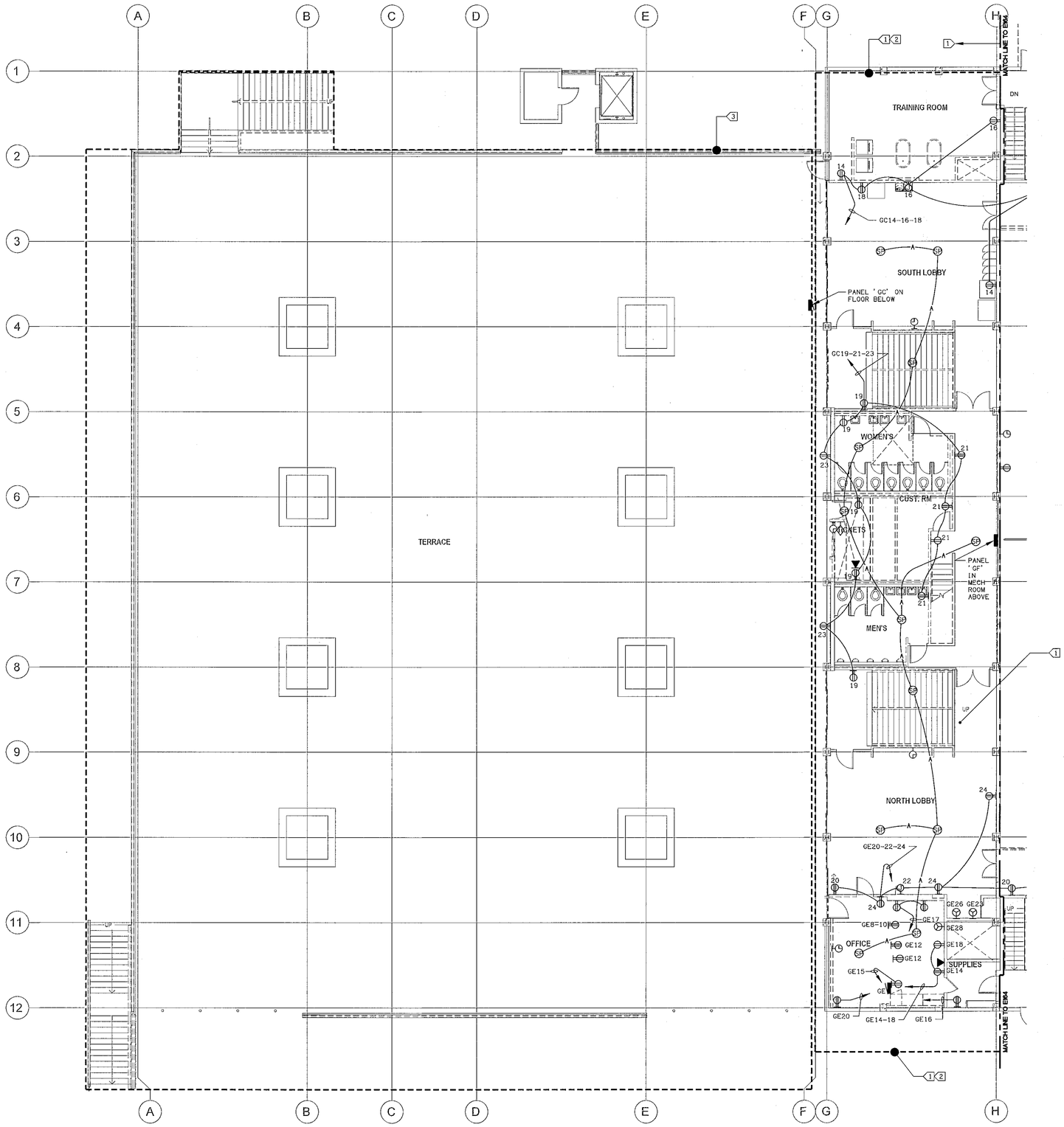
DRAFTER: Lee Keener DRAWING FILENAME: 16159E163 PATHNAME: G:\16\16159\ELI\Sheets\GYM DATE: 22 March 2018 TIME: 5:05 pm

SHEET NOTES:

1. SCOPE: PROVIDE AND PERFORM DEMOLITION, PREPARATORY AND MISCELLANEOUS WORK IN AREAS AS INDICATED AND SPECIFIED, COMPLETE.
2. DEMOLITION AND REMOVAL OF EXISTING ELECTRICAL CONDUIT, WIRING AND EQUIPMENT REQUIRED TO COMPLETE THE PROJECT.
3. PREPARATION OF THE EXISTING BUILDING TO RECEIVE OR CONNECT THE NEW WORK.
4. MISCELLANEOUS DEMOLITION, CUTTING, ALTERATION, AND REPAIR WORK IN THE EXISTING BUILDING NECESSARY FOR THE COMPLETION OF THE ENTIRE PROJECT.
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7. SALVAGE AND DISPOSAL: ALL REMOVED MATERIAL OTHER THAN ITEMS TO BE REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF IN ACCORDANCE WITH INSTRUCTIONS FROM THE OWNER'S REPRESENTATIVE. DISPOSAL SHALL BE DONE IN ACCORDANCE WITH EPA AND GOVERNING BODY REQUIREMENTS AND REGULATIONS. CONTRACTOR SHALL PAY ALL FEES AND CHARGES FOR DISPOSAL.
8. SCHEDULE ALL WORK AND OUTAGES WITH TENANTS AND OWNERS WRITTEN APPROVAL.
9. CONTRACTOR SHALL LEAVE ALL CIRCUITS ENERGIZED TO DEVICES IN AREAS OUTSIDE OF DEMOLITION AREA EVEN IF FEEDERS ARE ROUTED THROUGH DEMOLITION AREA.

KEY NOTES:

1. ALL EXISTING DEVICES IN THIS AREA TO BE REMOVED UNLESS NOTED OTHERWISE
2. ALL DEVICES / POWER PANELS & OTHER ELECTRICAL EQUIPMENT TO BE REMOVED TO SOURCE AND MADE SAFE. CONDUCTORS FOR POWER PANELS, LOW VOLTAGE SYSTEM & FIRE ALARM MAY BE REUSED FOR "NEW" WORK IF DEEMED RE-USABLE BY EOR.
3. ALL DEVICES IN THIS AREA TO REMAIN ACTIVE. PROVIDE TEMPORARY POWER FOR ALL DEVICES WHOSE CIRCUITS ARE REMOVED AS A PORTION OF THE DEMOLITION.



SCALE: 1/8"=1'-0"

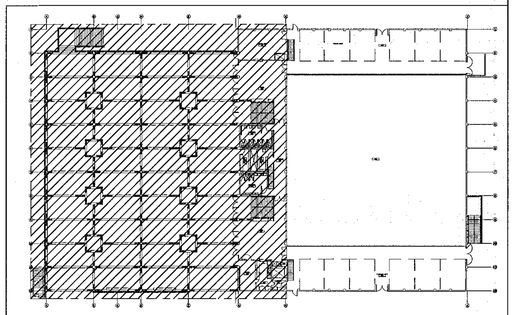
SECOND FLOOR EXISTING POWER & COM PLAN

SCALE: 1/8"=1'-0"

1 / E163

LEGEND (TYPICAL ALL E160 SHEETS)

- LOUDSPEAKER VOLUME CONTROL
- HORN TYPE LOUDSPEAKER
- TV OUTLET
- SECONDARY CLOCK
- SP SPEAKER RECESSED
- —A— PUBLIC ADDRESS SYSTEM CONDUIT
- —C— CLOCK & PROGRAM SYSTEM CONDUIT



KEY MAP

CONSULTANT

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
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CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519
Web Site http://www.lucciland.com

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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ____ FLS ZH SS 1
DATE 06-19-18

ARCHITECT

AMADOR WHITTLE
ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

ARCHITECT'S STAMP

LICENSED ARCHITECT WILLIAM KORIE AMADOR C-29348 JANUARY 31, 2019 STATE OF CALIFORNIA

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(805) 530-3938 , (818) 874-0071

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER JOSEPH P. LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

SECOND FLOOR EXISTING POWER & COM PLAN

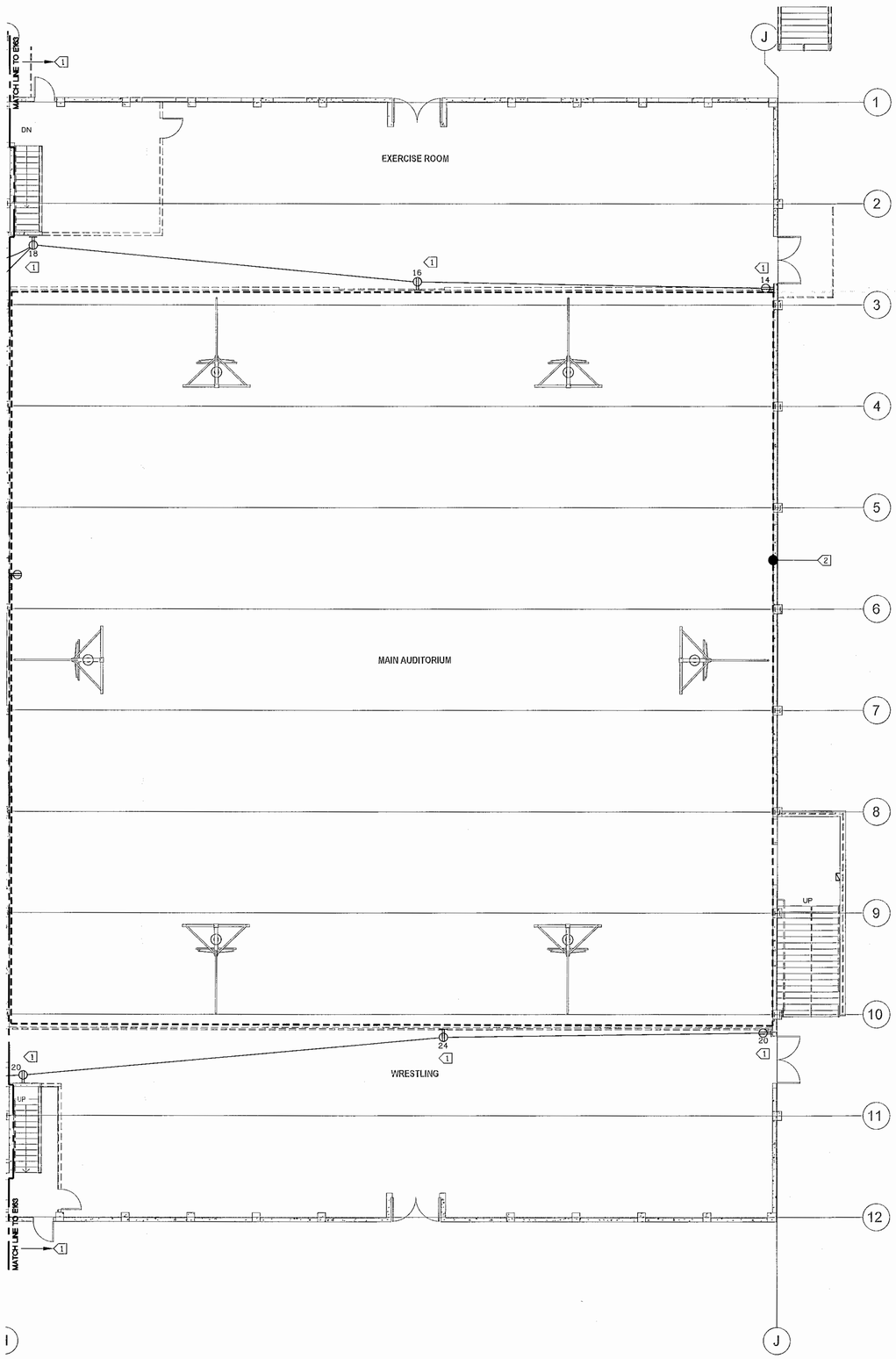
E163 OF ____

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L.A.I.# 16159 PAPER SIZE 42"x36"

G:\16\16159\ELI\Sheets\GYM\16159E163.dwg Mar 22, 2018, 5:05pm Lee Keener



SCALE: 1/8"=1'-0"

0 8' 16'

SECOND FLOOR EXISTING POWER & COM PLAN

SCALE: 1/8"=1'-0"

1 / E164

SHEET NOTES:

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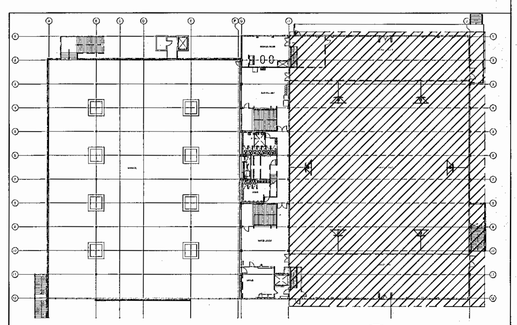
KEY NOTES:

<1> ALL DEVICES / POWER PANELS & OTHER ELECTRICAL EQUIPMENT IN THIS AREA TO BE REMOVED & NEW DEVICES & COVERS INSTALLED PER PLANS & SPECIFICATIONS. CONDUITS FOR POWER PANELS, LOW VOLTAGE SYSTEM & FIRE ALARM MAY BE REUSED FOR "NEW" WORK IF DEEMED RE-USABLE BY EOR.

<2> EXISTING DEVICES IN THIS AREA TO REMAIN ACTIVE.

LEGEND (TYPICAL ALL E160 SHEETS)

◇H	LOUDSPEAKER VOLUME CONTROL
⋈	HORN TYPE LOUDSPEAKER
⊖H	TV OUTLET
(C)H	SECONDARY CLOCK
(SP)	SPEAKER RECESSED
—A—	PUBLIC ADDRESS SYSTEM CONDUIT
—C—	CLOCK & PROGRAM SYSTEM CONDUIT



KEY MAP

CONSULTANT

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519
Web Site http://www.luccilaud.com

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC. FLS SS
DATE 06-19-18

ARCHITECT'S STAMP

LICENSED ARCHITECT — WILLIAM KIRBY AMADOR — No. C-30548 — JANUARY 31, 2019 — STATE OF CALIFORNIA

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER — KENNETH P. LUCCI JR. — No. E 8340 — Exp. 09/30/2018 — ELECTRICAL — STATE OF CALIFORNIA

AMADOR WHITTLE
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MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

SECOND FLOOR EXISTING POWER & COM PLAN

E164

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L.A.I.# 16159 PAPER SIZE 42"x36"

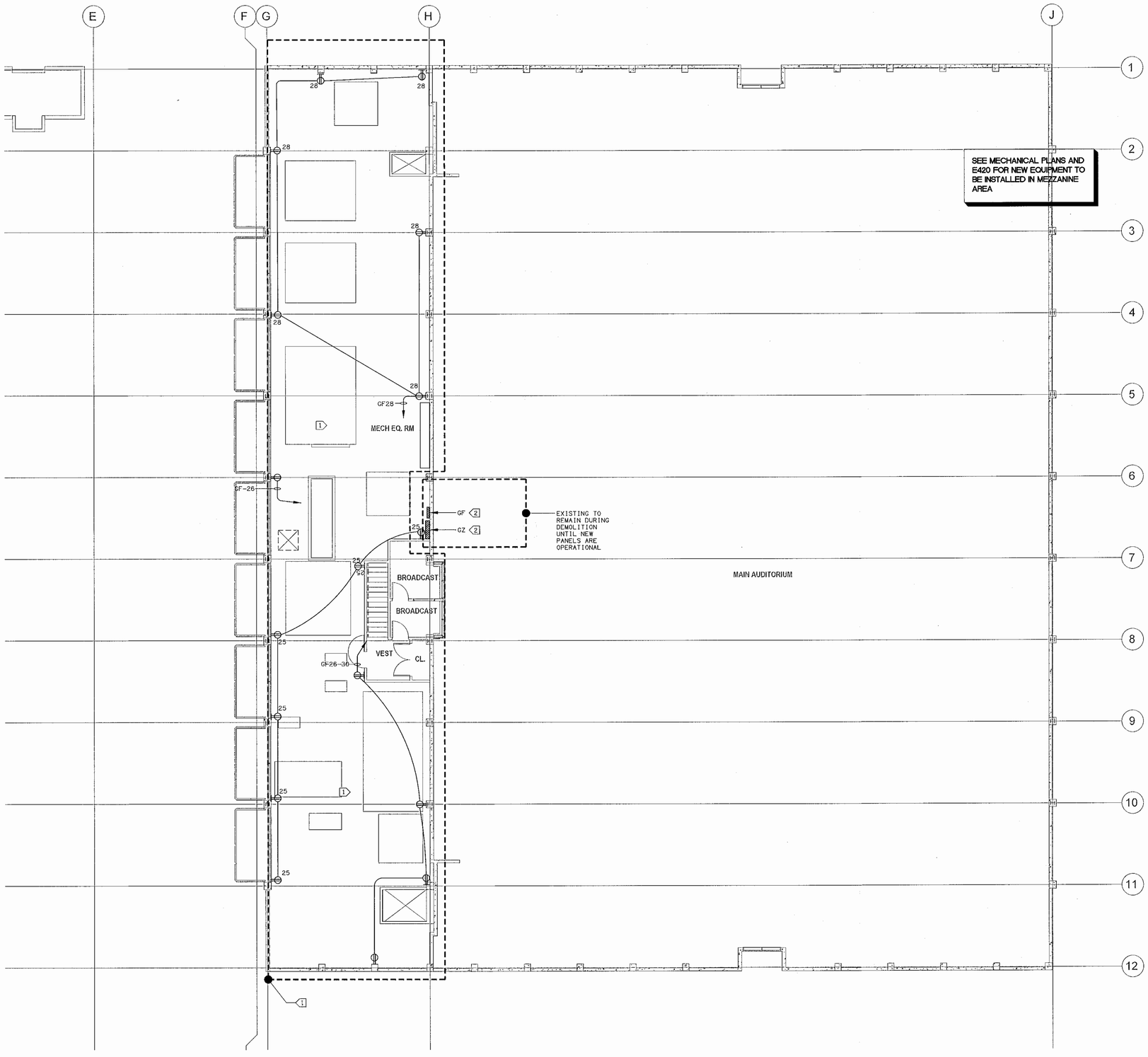
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ELECTRICAL SCHEDULE FOR EXISTING MECHANICAL EQUIPMENT

TAG #	DESCRIPTION	H.P.	FLA	MAX OCP	VOLTAGE	PHASE	NEMA STARTER SIZE	DISCONNECT	RECOMMENDED FUSE SIZE/TYPE *	REMARKS	PANEL/CIRCUIT NO.	FEEDER
HV 1	H&V UNIT #1	15	20		480/120	3ø	2	.	50A		.	.
HV 2	H&V UNIT #2	15	20		480/120	3ø	2	.	50A			
HV 3	H&V UNIT #3	5	7.5		480/120	3ø	0	.	20A			
HV 4	H&V UNIT #4	7.5	11		480/120	3ø	1	.	30A			
EF 1	EXHAUST FAN #1	7.5	11		480/120	3ø	1	.	30A			
EF 2	EXHAUST FAN #2	5	7.5		480/120	3ø	0	.	20A			
EF 3	EXHAUST FAN #3	3	4.5		480/120	3ø	0	.	15A			
HWP 1	HOT WATER PUMP #1	5	7.5		480/120	3ø	0	.	20A			
HWP 2	HOT WATER PUMP #2	3	4.5		480/120	3ø	0	.	15A			
ACU 1	A/C COND. UNIT - COMP. #1	15+2	25.5		480/120	3ø	–	.	50A			
ACU 2	A/C COND. UNIT - COMP. #2	15	22		480/120	3ø	–	.	50A			
DVP 1	DUPLEX VACUUM PUMP	2+2	6.6		480/120	3ø	–	.	15A			
DF 1	DUCT FURNACE	1/2	1.0		120	1ø	–	.	15A			

* ALL FUSES BY BUSSMANN AND SHALL BE SIZED PER MANUFACTURERS RECOMMENDATION.



SCALE: 1/8"=1'-0"
0 8' 16'

MEZZANINE EXISTING POWER & COM PLAN

SCALE: 1/8"=1'-0"

1 / E165

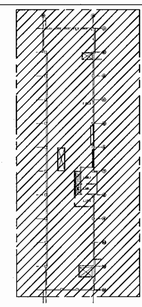
SHEET NOTES:

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KEY NOTES:

<1> ALL DEVICES / POWER PANELS & OTHER ELECTRICAL EQUIPMENT TO BE REMOVED TO SOURCE AND MADE SAFE. CONDUITS FOR POWER PANELS, LOW VOLTAGE SYSTEM & FIRE ALARM MAY BE REUSED FOR "NEW" WORK IF DEEMED RE-USABLE BY EOR.

<2> MAINTAIN POWER TO THESE PANELS; ONLY REMOVE CIRCUITS, FEEDERS, ETC FOR CIRCUITS WHICH ARE BEING ELIMINATED AS A PORTION OF THE DEMOLITION. MIGRATE LOADS TO NEW PANELS WHEN POWER & CONTROL IS AVAILABLE.



KEY MAP

CONSULTANT

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519
Web Site http://www.luccitland.com

DIVISION OF THE STATE ARCHITECT

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DIVISION OF THE STATE ARCHITECT
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AMADOR WHITTLE
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28328 AGOURA ROAD, SUITE 203
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(805) 530-3938 , (818) 874-0071

ARCHITECT'S STAMP

LICENSED ARCHITECT WILLIAM DOYLE JOHNSON C-20348 JANUARY 31, 2019 RENEWAL STATE OF CALIFORNIA

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AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 8941 Exp 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

MEZZANINE EXISTING POWER & COM PLAN & MECHANICAL SCHEDULE

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

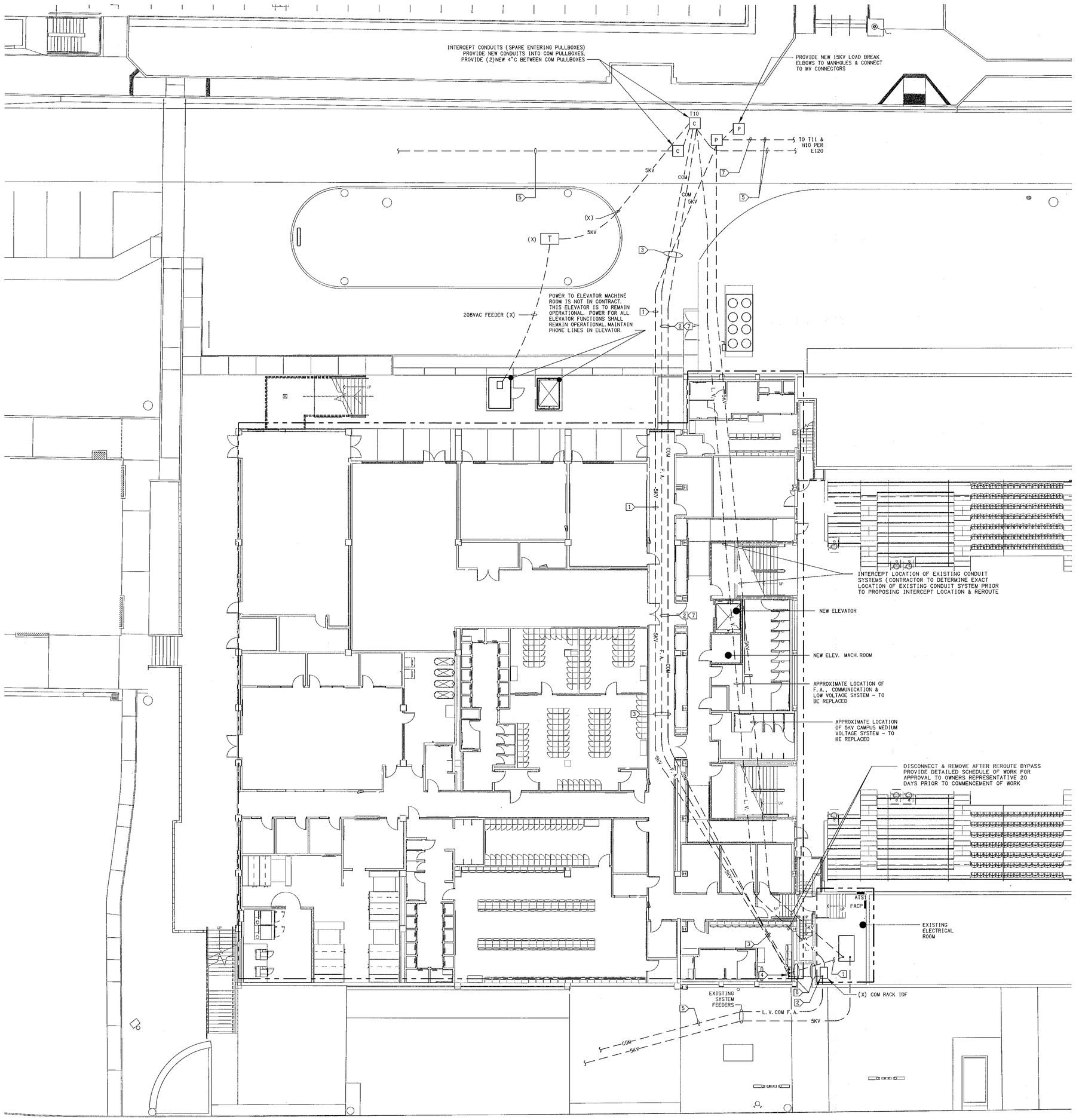
E165 — OF —

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L.A.I.# 16159 PAPER SIZE 42"x36"

DRAFTER: Lee Keener DRAWING FILENAME: 16159E165 PATHNAME: G:\16\159\ELI\Sheets\GYM DATE: 22 March 2018 TIME: 5:05 pm

G:\16\159\ELI\Sheets\GYM\16159E165.dwg Mar 22, 2018, 5:05pm Lee Keener



1"=10'-0" 0 5' 10' 20' 30'

SITE PLAN ELECTRICAL - NEW WORK FOR 5KV AND COM SYSTEMS

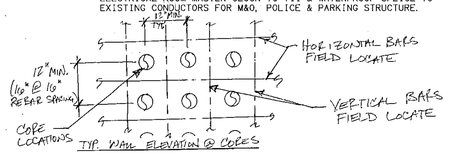
SCALE: 1"=10'-0"

1 / E190

N

KEY NOTES:

1. NEW UNDERGROUND (2)4"C, FOR 5KV ONE SPARE & ONE WITH NEW 3#250MCM, 5/8KV OKOGUARD EPR 133% SHIELDED COPPER CABLES & 1/0 GROUND, SEE E201 FOR SINGLE LINE. HORIZONTAL BORE PER & SPECIFICATIONS.
2. NEW (2)4"C (COM) & (2)2"C (F.A.), CABLES TO BE PROVIDED AND TERMINATED BY CONTRACTOR.
3. HORIZONTAL BORE CONDUITS FROM ROOM 116 TO EXISTING PULLBOXES SOUTH OF CHILLER.
4. PROVIDE 5KV RATED PULLBOX 5'-0"H x (AS REQ'D FOR SPACE) FOR 5KV CABLE & 5'-0"H X 2'-0"D X 2'-0"W FOR LOW VOLTAGE SYSTEM FOR TRANSITION TO ELECTRICAL ROOM.(VERIFY AVAILABLE SPACE WITH ARCHITECT AND LOCKER VENDOR.
5. SEE E120 FOR ADDITIONAL INFORMATION.
6. CONTRACTOR TO X-RAY WALLS AND CORE DRILL (5)5" OPENINGS FOR 4"RGS CONDUIT (2 FOR POWER & 3 FOR COM). CONTRACTOR TO BORE & CORE CONDUIT FROM ROOM #116(NEW) TO ELECTRICAL ROOM 5KV SWITCH & IDF RESPECTIVELY.
7. IN COM CONDUITS CONTRACTOR TO PROVIDE, INSTALL & TERMINATE THE FOLLOWING RUNS (SEE E120 FOR SITE INFORMATION)
   - ONE 200 PAIR PE89 OSP FROM GYM IDF TO T11 SPLICE CASE (E120) & RETERMINATE & FILL, CONNECT TO EXISTING 50 PAIR CABLES TO EACH OF (3) PARKING STRUCTURE, POLICE STATION & M&O.
   - 12/6 OUTDOOR RATED OPTICAL FIBER FROM GYM IDF VIA T11 TO PARKING STRUCTURE - TERMINATE BOTH ENDS. (REPLACE EXISTING)
   - 12/6 OUTDOOR RATED OPTICAL FIBER FROM GYM IDF VIA T11 TO POLICE STATION - TERMINATE BOTH ENDS. (REPLACE EXISTING).
   - 12/6 OUTDOOR RATED OPTICAL FIBER FROM GYM IDF VIA T11 TO M&O - TERMINATE BOTH ENDS. (REPLACE EXISTING).
   - PROVIDE 3/10 STRANDED XHHW FOR CLOCK SYSTEM FROM GYM ELECTRICAL ROOM MASTER CLOCK TO T11 & WATERPROOF SPLICE TO EXISTING CONDUCTORS FOR M&O, POLICE & PARKING STRUCTURE.



CONTRACTOR TO PROVIDE TEMPORARY POWER FOR ALL EXTERIOR LIGHTING CIRCUITS IN AREA WHICH ARE PRESENTLY FED FROM THIS FACILITY INCLUDING LIGHTING AT ALL STAIRS AND ENTRY WAYS

CONTRACTOR TO MAINTAIN POWER AND COMMUNICATION TO BUILDING AND THRU THIS FACILITY TO OTHER BUILDINGS FED FROM THE ELECTRICAL ROOM

CONSULTANT

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Web Site http://www.lucciland.com

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IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS ZK SS
DATE 06-19-18

ARCHITECT'S STAMP

AMADOR WHITTLE
ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

LICENSED ARCHITECT WILLIAM KIRBY AMADOR C-26348 RENEWAL JANUARY 31, 2019 STATE OF CALIFORNIA

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CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER KENNETH LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
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	JOB NO: 16-MPC-023

SITE PLAN ELECTRICAL - NEW WORK FOR 5KV AND COM SYSTEMS

E190

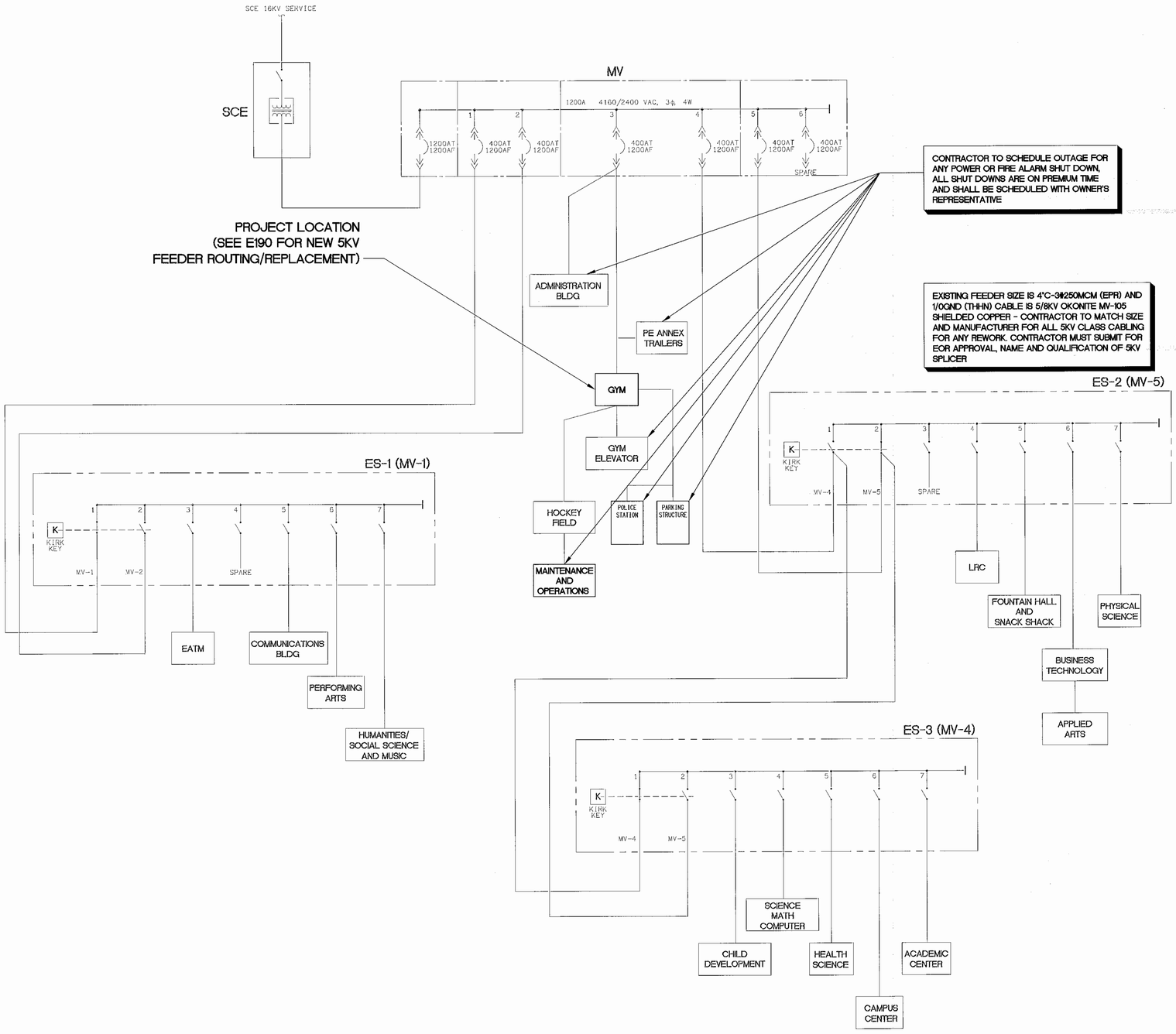
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L.A.I.# 16159 PAPER SIZE 42"x36"

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MOORPARK COLLEGE EXISTING 5KV SINGLE LINE DIAGRAM

SCALE: NONE

1 / E200

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(805) 530-3838 , (818) 874-0071

ARCHITECT'S STAMP

LICENSED ARCHITECT WILLIAM JORGE AMADOR C-26548 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
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CONSULTANT STAMP

CERTIFIED PROFESSIONAL ENGINEER JOSEPH H. WHITTLE No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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REVISIONS	DATE: 03/26/2018
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	CHECK: K.L.
	JOB NO: 16-MPC-023

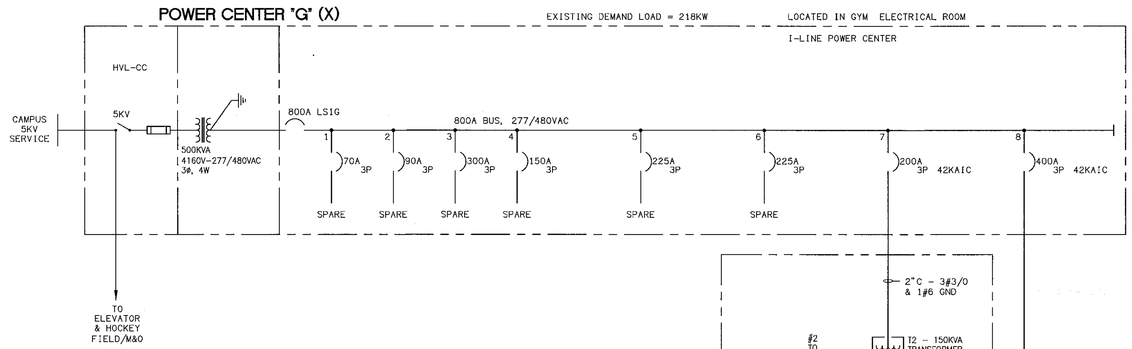
EXISTING 5KV SINGLE LINE DIAGRAM

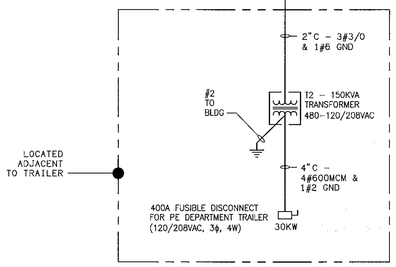
SHEET NO. E200 OF

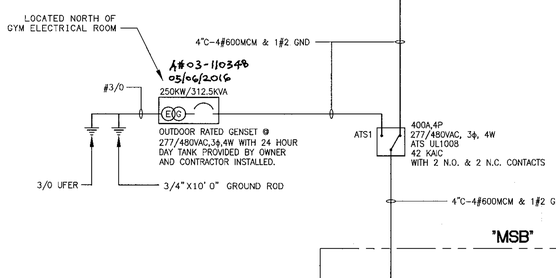
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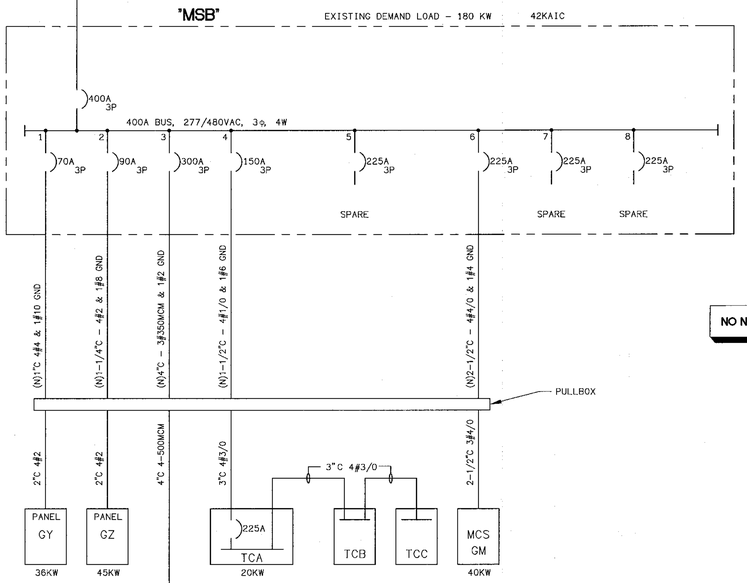
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L.A.I.# 16159 PAPER SIZE 42"x36"

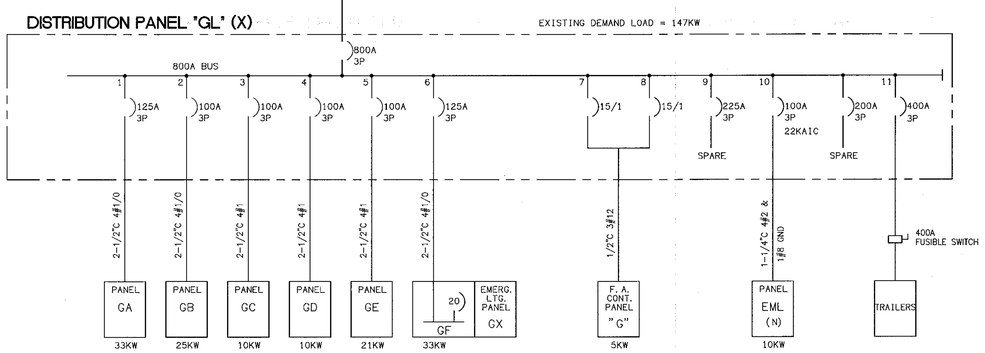








NO NEW WORK ON THIS SHEET



EXISTING ELECTRICAL SINGLE LINE DIAGRAM
SCALE: NONE

1 / E201

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ARCHITECT'S STAMP

LICENSED ARCHITECT WILLIAM JOHNE AMADOR No. 20348 JANUARY 31, 2020 STATE OF CALIFORNIA

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER PHILIP K. LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

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MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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	CHECK: K.L.
	JOB NO: 16-MPC-023

EXISTING ELECTRICAL SINGLE LINE DIAGRAM

E201 — OF —

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L.A.I.# 16159 - PAPER SIZE 42"x30"

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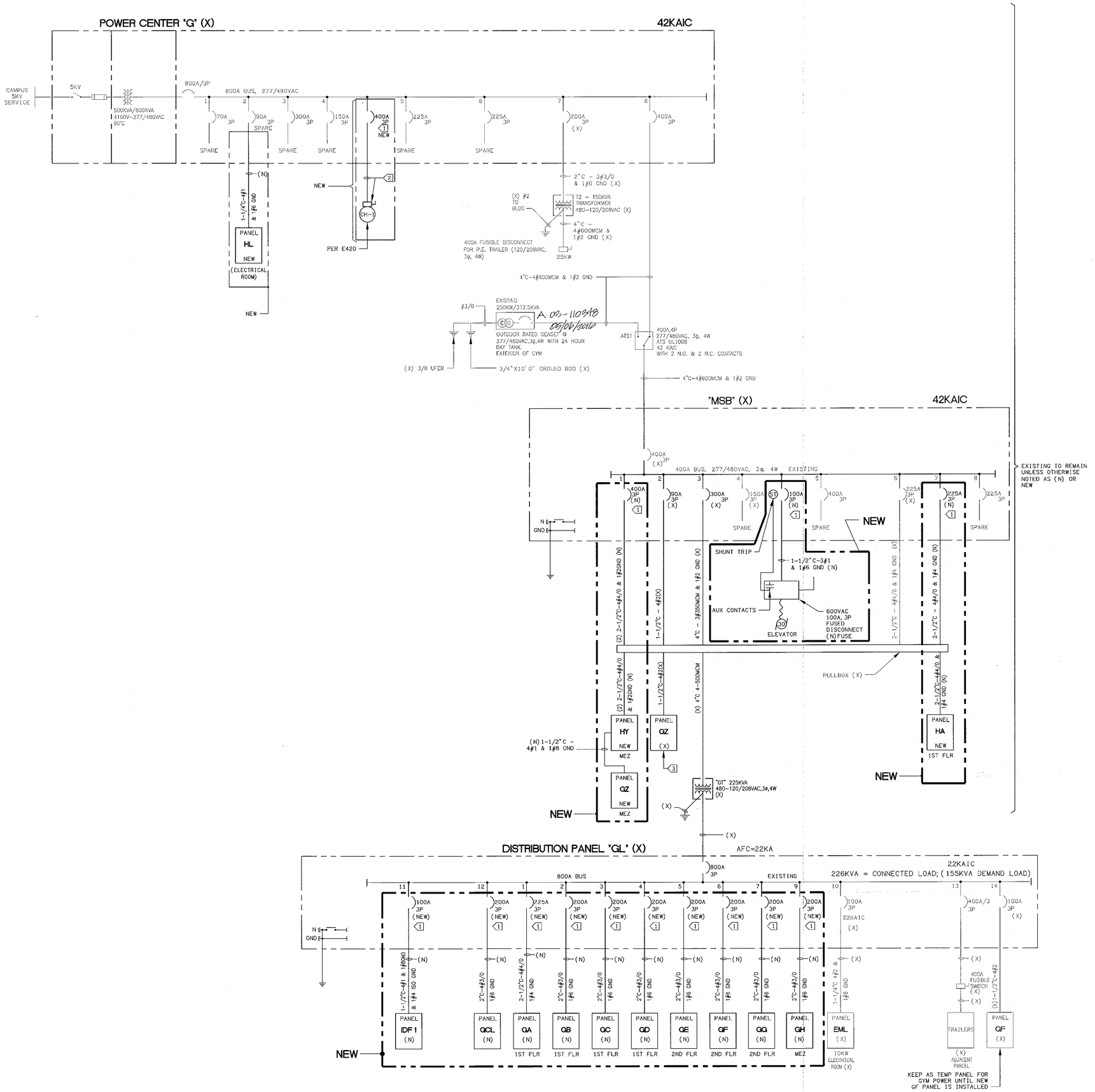
Drafted in Autocad Paper Size: 30 X 42 Scale: 1/8"=1'-0" G:\16\16159E\LISheets\GYM\16159E201.dwg Xref's Loaded: XREF\16159E-TITLE.dwg XREF\16159E-NOTES.dwg

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KEY NOTES:

1. MATCH MANUFACTURER (SQ D) & AIC RATING.
2. PER E420.
3. REPLACE WITH NEW GZ NEW DURING CONSTRUCTION (NEEDED FOR INTERIM GYM LIGHTING)
4. FUSE PER MFG RECOMMENDATIONS.

CONTRACTOR TO PERFORM ARC FLASH AND COORDINATION STUDY AND PROVIDE ALL LABELING FOR ALL PANELS INCLUDING BUT NOT LIMITED TO 'G', 'MSB' AND 'GL' AND TRANSFORMER 'GT' CONTRACTOR TO OBTAIN SCE AFC FROM SCE AND E200 MV BREAKER SETTINGS FROM MOORPARK COLLEGE



LOAD SUMMARY 'GL'	
DESCRIPTION	LOAD (KVA)
IDF1	45
GCL	10
GA	56
GB	20
GC	8
GD	28
GE	13
GF	15
GG	10
GH	24
EML	12
TRAILERS	25
TOTAL	266KVA = 628A@120/208VAC, 3φ, 4W

LOAD SUMMARY 'G'	
DESCRIPTION	LOAD (KVA)
CHILLER	225
TRAILER	25
MSB	306
TOTAL	556KVA = 669A@277/480VAC

LOAD SUMMARY 'MSB'	
DESCRIPTION	LOAD (KVA)
HY	115 (200*)
HA	26
GL	120 (266*)
ELEVATOR	30
TOTAL	291KVA = 350A@480/277VAC

* CONNECTED

NEW CIRCUIT BREAKERS ARE TO BE SQUARE D AND FULLY RATED FOR AIC AND MATCH THE EXISTING BOARD RATINGS. RETURN ALL REPLACED BREAKERS TO OWNERS REPRESENTATIVE.

REVISED ELECTRICAL SINGLE LINE DIAGRAM 1/E202
SCALE: NONE

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MOORPARK COLLEGE GYMNASIUM RENOVATION

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REVISIONS	DATE: 03/26/2018
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	CHECK: K.L.
	JOB NO: 16-MPC-023

REVISED ELECTRICAL SINGLE LINE DIAGRAM

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E202 SHEET 4 OF

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L.A.I.# 16159 PAPER SIZE 42"x36"

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EXISTING PANEL

PANEL NUMBER GY | VOLTAGE 480/277 | PHASE 3 | WIRE 4
SOURCE G | A.I.C. 22KAIC
PANEL LOCATION WOMENS LOCKER & DRESSING G-107 | BUS AMPERE RATING 100
■ NEMA 1 ■ COPPER BUSS ■ MAIN LUGS ONLY ■ FLUSH MOUNTING

LCL	MCB	RCPT	LITE	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE
				FUT. PARKING LOT	1880				20	1	A
						1880				3	B
							1880	3		5	C
					1880				20	7	A
				"EL"		1880				9	B
				SPLIT BUS			1880	3		11	C
		3		STREET LTG.	1410				20	13	A
		3		"LL"		1410				15	B
		4					1880	3		17	C
				TOTALS	4700	5170	4700				

CKT	BRKR AMP	BRKR POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MCB	RCPT	LITE	LCL
2	20	1	1880			FUT. PARKING LOT				
4				1880		SPARE				
6		3			1880	SPARE				
8			1880			SPACE				
10				1880						
12					1880					
14	20		1410			STREET LTG.				3
16				1410						3
18		3			1410					3
			3760	3760	3760	TOTALS				

L.C.L. VOLT AMPS: 0 PHASE A 0 PHASE B 0 PHASE C 0
TOTAL VOLT AMPS: 25850 PHASE A 8460 PHASE B 8930 PHASE C 8460
TOTAL AMPS: 31.1 PHASE A 30.5 PHASE B 32.2 PHASE C 30.5

EXISTING PANEL

PANEL NUMBER GD | VOLTAGE 120/208 | PHASE 3 | WIRE 4
SOURCE GL | A.I.C. 10,000
PANEL LOCATION CORR G137 | BUS AMPERE RATING 225A
■ NEMA 1 ■ COPPER BUSS ■ MAIN LUGS ONLY ■ FLUSH MOUNTING

LCL	MCB	RCPT	LITE	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE
		23		137-39	1150			1	20	1	A
	1	8		126, L.V.TRANSF		800				3	B
				SPARE			--			5	C
		8		207	920					7	A
		10		209		1200				9	B
		16		144,209,TROPHY CAB,TEL NICHE			1130			11	C
	1			150	200					13	A
	1			150 - WHIRLPOOL		800				15	B
	1			150 - WHIRLPOOL			800			17	C
	5			137,45,48,49	1000					19	A
	4			137,40,43		800				21	B
				SPARE			--			23	C
	3			143	600					25	A
4	2			SCORE BOARD		1000				27	B
	4			143			800			29	C
				SPARE	--					31	A
	4			143-FLR BOXES & N.WALL		400				33	B
	4			143-FLR BOXES & N.WALL			600			35	C
				SPACE						37	A
				SPACE						39	B
				SPACE						41	C
				TOTALS	3870	5000	3330				

CKT	BRKR AMP	BRKR POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MCB	RCPT	LITE	LCL
2	20	1	1200			149				12
4				1200		150				11
6					900	151				6
8			810			140,45,48				10
10				900		147				6
12					1300	136				13
14			400			150	2			
16				700		150 - REFRIG	1			
18					400	150	2			
20			800			126,29,36,44	4			
22				800		129,36,37,43	4			
24					1000	129,35,36,43	5			
26			830			BACKSTOP - WEST	1			
28				830		BACKSTOP - MAIN	1			
30					830	BACKSTOP - EAST	1			
32			400			147-IRRIG CONTROLLERS	2			
34				800		147	3			
36					500	147 - EXH FAN #4	1			
38						SPACE				
40						SPACE				
42						SPACE				
			4440	5230	4930	TOTALS				

L.C.L. VOLT AMPS: . PHASE A . PHASE B . PHASE C .
TOTAL VOLT AMPS: 26800 PHASE A 8310 PHASE B 10230 PHASE C 8260
TOTAL AMPS: 74.4 PHASE A 69.3 PHASE B 85.3 PHASE C 68.8

EXISTING PANEL

PANEL NUMBER GA | VOLTAGE 208/120 | PHASE 3 | WIRE 4
SOURCE GL | A.I.C. 10,000
PANEL LOCATION CORRIDOR G160 | BUS AMPERE RATING 225
■ NEMA 1 ■ COPPER BUSS ■ MAIN LUGS ONLY ■ FLUSH MOUNTING

LCL	MCB	RCPT	LITE	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE
				152-55	1200			1	20	1	A
			6	152, 56,-58		1200				3	B
			7	159			1400			5	C
			6	127	1200					7	A
			6	127		1200				9	B
			12	160			600			11	C
			8	122	1600					13	A
			7	122		1400				15	B
			6	122			1200			17	C
			5	129	500					19	A
			5	129		500				21	B
			7	122, 28			1000			23	C
4			3	WALK LTG	600					25	A
4			3	WALK LTG		600				27	B
4			3	WALK LTG			600			29	C
		4		117, 22	800					31	A
		5		117, 27, 28		1000				33	B
		5		118-21, 52			1000			35	C
				SPARE	--					37	A
				SPARE		--				39	B
				SPARE			--			41	C
				TOTALS	5900	5900	5800				

CKT	BRKR AMP	BRKR POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MCB	RCPT	LITE	LCL
2	20	1	800			118, 21				4
4				800		120, 27				4
6					800	119, 27				4
8			1050			123, 24				7
10				900		124, L.V. TRANSF	1			6
12					900	124				6
14			600			129				6
16				800		129				8
18					600	129				6
20			600			129				6
22				800		129				8
24					600	129				6
26			400			WALK LTG				2
28				400		WALK LTG				2
30					550	WALK NT. LTG. SIGNS				4
32			1000			123, 29, 53	5			
34				1000		129, 51, 53, 60	5			
36					1200	154, 55, 59	6			
38			1000			156-58	5			
40				1000		127, 58-60	5			
42					--	SPARE				
			5450	5700	4650	TOTALS				

L.C.L. VOLT AMPS: 0 PHASE A 0 PHASE B 0 PHASE C 0
TOTAL VOLT AMPS: 33400 PHASE A 11350 PHASE B 11600 PHASE C 10450
TOTAL AMPS: 92.7 PHASE A 94.6 PHASE B 96.7 PHASE C 87.1

EXISTING PANEL

PANEL NUMBER GZ | VOLTAGE 480/277 | PHASE 3 | WIRE 4
SOURCE G | A.I.C. 10,000
PANEL LOCATION MECH. EQUIP. RM G-301 | BUS AMPERE RATING 100
■ NEMA 1 ■ COPPER BUSS ■ MAIN LUGS ONLY ■ SURFACE MOUNTING

LCL	MCB	RCPT	LITE	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE
		9		GYMNASIUM	4050			1	20	1	A
		9				4050				3	B
		9					4050			5	C
		9			4050					7	A
		9				4050				9	B
		9					4050			11	C
				SPACE						13	A
										15	B
										17	C
				TOTALS	8100	8100	8100				

CKT	BRKR AMP	BRKR POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MCB	RCPT	LITE	LCL
2	20	1	4050			GYMNASIUM				9
4				4050						9
6					4050					9
8			4050							9
10				4050						9
12					--	SPARE				
14						SPACE				
16										
18										
			8100	8100	4050	TOTALS				

L.C.L. VOLT AMPS: 0 PHASE A 0 PHASE B 0 PHASE C 0
TOTAL VOLT AMPS: 44550 PHASE A 16200 PHASE B 16200 PHASE C 12150
TOTAL AMPS: 53.6 PHASE A 58.5 PHASE B 58.5 PHASE C 43.9

EXISTING PANEL

PANEL NUMBER GE | VOLTAGE 208/120 | PHASE 3 | WIRE 4
SOURCE GL | A.I.C. 10,000
PANEL LOCATION CONCESSION SALES G212 | BUS AMPERE RATING 225
■ NEMA 1 ■ COPPER BUSS ■ MAIN LUGS ONLY ■ FLUSH MOUNTING

LCL	MCB	RCPT	LITE	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE
				212	1200					1	A
		8		213,15		800				3	B
				SPARE			--			5	C
4		4		WALK LTG	800					7	A
4		4		WALK LTG		800				9	B
4		4		WALK LTG			800			11	C
	1			COUNTER, SOUTH	200					13	A
	1			WALL, SOUTH		200				15	B
	2			COUNTER, WEST			400			17	C
				SPARE	--					19	A
				SPARE		--				21	B
	1			COLD DRINK VEND. MACH.			1400			23	C
				SPARE	--					25	A
				SPARE		--				27	B
				SPARE			--			29	C
				SPACE						31	A
				NORMAL SOURCE EXIT SIGN		600		1	20	33	B
				NORMAL SOURCE EXIT SIGN			600	1	20	35	C
				TOTALS	2200	1800	2600				

CKT	BRKR AMP	BRKR POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MCB	RCPT	LITE	LCL
2	20	1	--			SPARE				
4				--		SPARE				
6					--	SPARE				
8			1200			BUN WARMER	1			
10				700		HOT DOG COOKER	1			
12					1000	COCA COLA DISPENSER	1			
14			200			WALL, NORTH	1			
16				1000		REFRIGERATOR	1			
18					700	ICE CREAM CAB.	1			
20			800			209,11,12	4			
22				500		DRINKING FOUNTAIN	1			
24					800	209,11,12	4			
26	30	1	2800			COFFEE VEND. MACH.	1			
28	30			2500		COFFEE URN				
30		2			2500					
32						SPACE				
34										
36										
			5000	4700	5000	TOTALS				

L.C.L. VOLT AMPS: 0 PHASE A 0 PHASE B 0 PHASE C 0
TOTAL VOLT AMPS: 21300 PHASE A 7200 PHASE B 6500 PHASE C 7600
TOTAL AMPS: 59.1 PHASE A 60.0 PHASE B 54.2 PHASE C 63.3

EXISTING PANEL

PANEL NUMBER GB | VOLTAGE 208/120 | PHASE 3 | WIRE 4
SOURCE GL | A.I.C. 10,000
PANEL LOCATION WOMENS LOCKER & DRESSING G107 | BUS AMPERE RATING 100
■ NEMA 1 ■ COPPER BUSS ■ MAIN LUGS ONLY ■ FLUSH MOUNTING

LCL	MCB	RCPT	LITE	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE
			15	107, L.V. TRANSF.	1500			1	20	1	A
			13	101, 07		1300				3	B
			16	101, 01, 12			1100			5	C
			9	109, 10, 12	1000					7	A
				SPARE		--				9	B
				SPARE			--			11	C
4		4		WALK & TERRACE LTS.	800					13	A
4		4		WALK & TERRACE LTS.		800				15	B
4		3		WALK & TERRACE LTS.			600			17	C
		6		104-06, 09, 13	1200					19	A
		6		101, 02, 04, 05, 07, 12		1200				21	B
		6		102, 03, 07, 10, 12			1200			23	C
				SPARE	--					25	A
				SPARE		--				27	B
				SPARE			--			29	C
				TOTALS	4500	3300	2900				

CKT	BRKR AMP	BRKR POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MCB	RCPT	LITE	LCL
2	20	1	950			113, 14				7
4				1050		114, 15				7
6					900	114				6
8			1250			102--06				7
10				1020		OUTSIDE				8
12					650	OUTSIDE NT. LTS.				7
14			--			SPARE				
16				--		SPARE				
18					--	SPARE				
20			--			SPARE				
22				--		SPARE				
24	30	1			2000	109--HAIR DRYER	1			
26	30	1	2000			109--HAIR DRYER	1			
28	30	1		2000		109--HAIR DRYER	1			
30	30	1			2000	109--HAIR DRYER	1			
			4200	4070	5550	TOTALS				

L.C.L. VOLT AMPS: 0 PHASE A 0 PHASE B 0 PHASE C 0
TOTAL VOLT AMPS: 24520 PHASE A 8700 PHASE B 7370 PHASE C 8450
TOTAL AMPS: 68.1 PHASE A 72.5 PHASE B 61.4 PHASE C 70.4

EXISTING PANEL TO REMAIN

PANEL NUMBER EML | VOLTAGE 208/120 | PHASE 3 | WIRE 4
SOURCE GL | A.I.C. 22KAIC
PANEL LOCATION ELECTRICAL ROOM | BUS AMPERE RATING 100
■ NEMA 1 ■ COPPER BUSS ■ MAIN LUGS ONLY ■ SURFACE MOUNTING

LCL	MCB	RCPT	LITE	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE
				GYM LITES	750				20	1	A
						1000				3	B
							500			5	C
					1000					7	A
				2ND LEVEL LITES		750				9	B
				EXIT SIGNS	300		1300			11	C
				SPARE						13	A
										15	B
										17	C
										19	A
										21	B
										23	C
				BLOCK HEARTER	1500					25	A
				RECEPTACLE		500				27	B
				BATTERY CHARGER			500			29	C
				TOTALS	3550	2250	2300				

CKT	BRKR AMP	BRKR POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MCB	RCPT	LITE	LCL
2	20	1	--			SPARE				
4				--		SPARE				
6					--	SPARE				
8						SPACE				
10										
12										
14										
16										
18										
20										
22										
24										
26										
28										
30										
32										
34										
36										
			0	600	800	TOTALS				

L.C.L. VOLT AMPS: 0 PHASE A 0 PHASE B 0 PHASE C 0
TOTAL VOLT AMPS: 9500 PHASE A 3550 PHASE B 2850 PHASE C 3100
TOTAL AMPS: 37.8 PHASE A 29.6 PHASE B 23.8 PHASE C 25.8
ALL BREAKERS WITH LOCK ON DEVICES

EXISTING PANEL

PANEL NUMBER GF | VOLTAGE 208/120 | PHASE 3 | WIRE 4
SOURCE GL | A.I.C. 10,000
PANEL LOCATION MECH. EQUIP. RM G-301 | BUS AMPERE RATING 225
■ NEMA 1 ■ COPPER BUSS ■ MAIN LUGS ONLY ■ SURFACE MOUNTING

LCL	MCB	RCPT	LITE	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE
		15		205,06,303,04	1465				20	1	A
		15		204,07,08,302,05,06		1550				3	B
	1			205 - CLG HTR			1250			5	C
	1	4		143(AT TRUSS)L.V.TRANSF	800					7	A
		4		143(AT TRUSS)L.V.TRANSF		800				9	B
4	2			SCORE BOARDS			1000			11	C
		10		301	1500					13	A
				SPARE		--				15	B
	1			BATTERY CHARGER			1000			17	C
		3		303,05	600					19	A
	1			SOUND EQUIPMENT RACK		1000				21	B
	1			SOUND EQUIPMENT RACK			1000			23	C
		6		301	1200					25	A
	2			H.W. CIRC. PUMPS		1000				27	B
	1			D.H.W. CIRC. PUMP			300			29	C
				SPARE	--					31	A
				SPARE		--				33	B
				SPARE			--			35	C
				SPACE						37	A
				SPACE						39	B
				SPACE						41	C
				TOTALS	5565	4350	4550				

CKT	BRKR AMP	BRKR POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MCB	RCPT	LITE	LCL
2	20	1	1200			301				8
4				1050		301				7
6					1200	301				8
8			800			143(AT TRUSS)L.V.TRANSF	4			
10				800		143(AT TRUSS)L.V.TRANSF	4			
12					1000	ANTE-PRO SPOTS				2
14			1000			ANTE-PRO SPOTS				2
16				1200		CANOPIES				15
18					1050	NT. LTS.				17
20			500			SUPPLY FAN #AH12	1			
22				400		303	2			
24					400	304	2			
26			1000			301	5			
28				1200		301	6			
30	15	1			600	301 - BOILER CONTROLS	4			
32	20	1	--			SPARE				
34				--		SPARE				
36					--	SPARE				
38	20		1500			EMERG. LTG. PNL. "GX"				
40				1800						
42		3			1800					
			6000	6450	6050	TOTALS				

L.C.L. VOLT AMPS: 0 PHASE A 0 PHASE B 0 PHASE C 0
TOTAL VOLT AMPS: 32965 PHASE A 11565 PHASE B 10800 PHASE C 10600
TOTAL AMPS: 91.5 PHASE A 96.4 PHASE B 90.0 PHASE C 88.3

EXISTING PANEL

PANEL NUMBER GC | VOLTAGE 120/208 | PHASE 3 | WIRE 4
SOURCE GL | A.I.C. 10,000
PANEL LOCATION CORR G132 | BUS AMPERE RATING 225A
■ NEMA 1 ■ COPPER BUSS ■ MAIN LUGS ONLY ■ FLUSH MOUNTING

LCL	MCB	RCPT	LITE	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE
			13	130,34,41	1350			1	20	1	A
	1		24	108,32,33, L.V.TRANSF		1300				3	B
			10	125,31,35			1340			5	C
4			2	OUTSIDE NT LTS	400					7	A
4			2	OUTSIDE NT LTS		400				9	B
4			2	OUTSIDE NT LTS			400			11	C
		6		107,16,30,43	1200					13	A
		6		108,15,6,30,31		1200				15	B
		7		125,32,33,34,42,43			1400			17	C
		5		203,04,05,09	1000					19	A
		4		206,07,08		800				21	B
		2		EXTERIOR			400			23	C
			8	201	1200					25	A
			16	42,203,TROPHY CAB,TEL NICHE		1130				27	B
			10	203			1200			29	C
				SPACE						31	A
				SPACE						33	B
				SPACE						35	C
				TOTALS	5150	4830	4740				

CKT	BRKR AMP	BRKR POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MCB	RCPT	LITE	LCL
2	20	1	1000			116			5	
4				1200		116			6	
6					300	134--PUMP	1			
8			1000			WALK & TERRACE LTG			5	4
10				1200		WALK & TERRACE LTG			6	4
12					1200	WALK & TERRACE LTG			6	4
14			1000			201,02,03	4			
16				500		DRINKING FOUNTAIN	1			
18					600	202,03	3			
20			500			TENNIS COURTS			1	4
22				500		TENNIS COURTS			1	4
24					500	TENNIS COURTS			1	4
26			--			SPARE				
28				--		SPARE				
30					--	SPARE				
32						SPACE				
34						SPACE				
36						SPACE				
			3500	3400	2600	TOTALS				

L.C.L. VOLT AMPS: . PHASE A . PHASE B . PHASE C .
TOTAL VOLT AMPS: 24220 PHASE A 8650 PHASE B 8230 PHASE C 7340
TOTAL AMPS: 67.3 PHASE A 72.1 PHASE B 68.6 PHASE C 61.2

KEY NOTES:

1. LOCK ON DEVICE.
2. VIA 6 POLE ELECTRICALLY HELD CONTACTOR -- CONTACTOR CONTROLLED VIA ATS AUXILIARY CONTACTS TO TURN ON DURING POWER LOSS.
3. THIS PANEL IS TO REMAIN ACTIVE DURING CONSTRUCTION UNTIL IT IS REPLACED AS A PORTION OF THE REWORK.
4. PROVIDE TEMP POWER TO THESE CIRCUITS DURING CONSTRUCTION.

GY	GD	GA
GZ	GE	GB
EML	GF	GC

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DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC FLS 2&1 SS 10
DATE 06-19-18

ARCHITECT'S STAMP
LICENSED ARCHITECT WILLIAM JORGE AMADOR C-30345 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

EXISTING ELECTRICAL PANEL SCHEDULES

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

E203 — OF —

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L.A.I.# 16159 PAPER SIZE 42"X36"

DRAFTER: Lee Keener DRAWING FILENAME: 16159E203 PATHNAME: G:\16159\EL\Sheets\GYM DATE: 22 March 2018 TIME: 5:05 pm

G:\16\159\EL\Sheets\GYM\16159E203.dwg Mar 22, 2018, 5:05pm Lee Keener

NEW PANEL

PANEL NUMBER HL VOLTAGE 277/480 PHASE 3 WIRE 4
SOURCE G A.I.C. 42KAIC
PANEL LOCATION ELECTRICAL ROOM BUS AMPERE RATING 100
■ NEMA 1 ■ COPPER BUSS
■ MAIN LUGS ONLY
■ SURFACE MOUNTING

LCL	MXD	RDT	LTG	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE A B C	CKT	BRKR AMP	POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MXD	RDT	LTG	LCL
				LIGHTING 1ST FLOOR	1700			1	20	1		2	20	1	1500			LIGHTING 2ND FLOOR				
						1500				3		4				1500						
							1600			5		6					1500						
				SPARE	–					7		8			2000			GYM FLOOR				
						–				9		10				2000		GYM FLOOR				
							–			11		12					2000	GYM FLOOR				
					–					13		14			–			SPARE				
						–				15		16				–						
							–			17		18					–					
					–					19		20			–			SPARE				
						–				21		22				–						
							–			23		24					–					
					–					25		26			–			SPARE				
						–				27		28				–						
							–			29		30					100	POWER LINK PANEL				
				TOTALS	1700	1500	1600								3500	3500	3600	TOTALS				

L.C.L. VOLT AMPS: 0 PHASE A 0 PHASE B 0 PHASE C 0
TOTAL VOLT AMPS: 15400 PHASE A 5200 PHASE B 5000 PHASE C 5200
TOTAL AMPS: 18.5 PHASE A 18.8 PHASE B 18.1 PHASE C 18.8

REPROGRAM HA PANEL TO "TURN ON" ALL CIRCUITS DURING A LOSS OF POWER CONDITION – (HL-30 FEEDER LOSS OF POWER VIA DROP OUT OF NO/NC RELAY (NEW) FED FROM HL-30)

NEW PANEL

POWER LINK EM PANEL (CONTRACTOR TO PROVIDE ALL MOTORIZED BREAKERS) CONNECT TO EMS SYSTEM VIA <3>

PANEL NUMBER HA VOLTAGE 277/480 PHASE 3 WIRE 4
SOURCE MSB A.I.C. 25,000
PANEL LOCATION 1ST FLOOR BUS AMPERE RATING 225
■ NEMA 1 ■ COPPER BUSS
■ MAIN LUGS ONLY
■ FLUSH MOUNTING

LCL	MXD	RDT	LTG	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE A B C	CKT	BRKR AMP	POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MXD	RDT	LTG	LCL
				LIGHTING	1500			1	20	1		2	20	1	1500			LIGHTING				
						1500				3		4				1500						
					1500					5		6			1500							
						1500				7		8				1500						
							1500			9		10					1500					
				SPARE	–					11		12			1500							
						–				13		14				1500						
							–			15		16					1500					
					–					17		18			–			SPARE				
						–				19		20				–						
							–			21		22					–					
					–					23		24			–			SPARE				
						–				25		26				–						
							–			27		28					–					
					–					29		30			–			SPARE				
						–				31		32				–						
							–			33		34					–					
					–					35		36			–			SPARE				
						–				37		38				–						
							–			39		40					–					
5				DISPLAY LITES			200			41		42					–					
				TOTALS	3000	3000	3200								6000	6000	4500	TOTALS				

L.C.L. VOLT AMPS: . PHASE A . PHASE B . PHASE C .
TOTAL VOLT AMPS: 25700 PHASE A 9000 PHASE B 9000 PHASE C 7700
TOTAL AMPS: 30.9 PHASE A 32.5 PHASE B 32.5 PHASE C 27.8

NEW PANEL

PANEL NUMBER HY VOLTAGE 277/480 PHASE 3 WIRE 4
SOURCE MSB A.I.C. 25,000
PANEL LOCATION MEZZANINE BUS AMPERE RATING 400
■ NEMA 1 ■ COPPER BUSS
■ MAIN CIRCUIT BREAKER 400
■ SURFACE MOUNTING

LCL	MXD	RDT	LTG	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE A B C	CKT	BRKR AMP	POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MXD	RDT	LTG	LCL
				FC-2	1200				15	1		2	60		10500			AHU-1A				
				FC-2		1200				3		4				10500		AHU-1A				
				FC-2			1200	3		5		6	3				10500	AHU-1A				
				FC-3	800				15	7		8	60		10500			AHU-1B				
				FC-3		800				9		10				10500		AHU-1B				
				FC-3			800	3		11		12	3				10500	AHU-1B				
				FC-4	600				15	13		14	60		10500			AHU-2				
				FC-4		600				15		16				10500		AHU-2				
				FC-4			600	3		17		18	3				10500	AHU-2				
				FC-5	700				15	19		20	60		12500			AHU-3				
				FC-5		700				21		22				12500		AHU-3				
				FC-5			700	3		23		24	3				12500	AHU-3				
				PUMP P1A	2500				15	25		26	60		12500			AHU-4				
				PUMP P1A		2500				27		28				12500		AHU-4				
				PUMP P1A			2500	3		29		30	3				12500	AHU-4				
				PUMP P1B	2500				15	31		32	15		1200			PUMP 2A				
				PUMP P1B		2500				33		34				1200		PUMP 2A				
				PUMP P1B			2500	3		35		36	3				1200	PUMP 2A				
				FC-1	2000				15	37		38	60		1200			PUMP 2B				
				FC-1		2000				39		40				1200		PUMP 2B				
				FC-1			2000	3		41		42	3				1200	PUMP 2B				
				FC-6	2000				15	43		44	15		–			SPARE				
				FC-6		2000				45		46				–						
				FC-6			2000	3		47		48	3				–	SPARE				
				FC-7	2000				15	49		50	15		–			SPARE				
				FC-7		2000				51		52				–						
				FC-7			2000	3		53		54	3				–	SPARE				
				FC-8	2000				15	55		56	100		1600			REFEED GZ				
				FC-8		2000				57		58				1600		REFEED GZ				
				FC-8			2000	3		59		60	3				1600	REFEED GZ				
				SPARE	–				15	61		62	60		–			SPARE				
				SPARE		–				63		64				–						
				SPARE			–	3		65		66	3				–	SPARE				
				SPARE	–			1	20	67		68	20	1	–			SPARE				
				SPARE		–				69		70				–		SPARE				
				SPARE			–			71		72					–	SPARE				
				TOTALS	16300	16300	16300								60500	60500	60500	TOTALS				

L.C.L. VOLT AMPS: . PHASE A . PHASE B . PHASE C .
TOTAL VOLT AMPS: 230400 PHASE A 76800 PHASE B 76800 PHASE C 76800
TOTAL AMPS: 277.3 PHASE A 277.3 PHASE B 277.3 PHASE C 277.3

NEW REPLACEMENT PANEL

PANEL NUMBER GZ VOLTAGE 480/277 PHASE 3 WIRE 4
SOURCE HY A.I.C. 25,000
PANEL LOCATION MEZZANINE BUS AMPERE RATING 100
■ NEMA 1 ■ COPPER BUSS
■ MAIN LUGS ONLY
■ SURFACE MOUNTING

LCL	MXD	RDT	LTG	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE A B C	CKT	BRKR AMP	POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MXD	RDT	LTG	LCL
	9			GYMNASIUM	4050			1	20	1		2	20	1	4050			GYMNASIUM				9
	9					4050				3		4				4050						9
	9						4050			5		6					4050					9
	9				4050					7		8			4050							9
	9					4050				9		10				4050						9
	9						4050			11		12					–	SPARE				
				MEZ LITES	300					13		14						SPACE				
						300				15		16										
							300			17		18										
				SPARE	–					19		20										
						–				21		22										
							–			23		24										
					–					25		26										
						–				27		28										
							–			29		30										
					–					31		32										
						–				33		34										
							–			35		36										
					–					37		38										
						–				39		40										
							–			41		42										
				TOTALS	8400	8400	8400								8100	8100	4050	TOTALS				

L.C.L. VOLT AMPS: 0 PHASE A 0 PHASE B 0 PHASE C 0
TOTAL VOLT AMPS: 45450 PHASE A 16500 PHASE B 16500 PHASE C 12450
TOTAL AMPS: 54.7 PHASE A 59.6 PHASE B 59.6 PHASE C 44.9

SEE DETAILS 5 AND 6 SHEET E600 FOR PANEL MOUNTING DETAILS

EXISTING PANEL TO REMAIN

PANEL NUMBER EML VOLTAGE 120/208 PHASE 3 WIRE 4
SOURCE GL A.I.C. 22KAIC
PANEL LOCATION ELECTRICAL ROOM BUS AMPERE RATING 100
■ NEMA 1 ■ COPPER BUSS
■ MAIN LUGS ONLY
■ SURFACE MOUNTING

LCL	MXD	RDT	LTG	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE A B C	CKT	BRKR AMP	POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MXD	RDT	LTG	LCL
				GYM LITES	750			1	20	1		2	20	1	–			SPARE				
						1000				3		4				–		SPARE				
							500			5		6			–			SPARE				
					1000					7		8				–		FACP				1
						750				9		10			600			EXIT LITES				
				2ND LEVEL LITES			1300			11		12					700	MEZ LITES				
				EXIT SIGNS	300					13		14						SPARE				
				SPARE						15		16										
				SPARE						17		18										
4				FC-9	1000				15	19		20										
						1000				21		22										
							1000	3		23		24										
				BLOCK HEARTER	1500			1	20	25		26										
				RECEPTACLE		500				27		28					500	FA AMP				1
				BATTERY CHARGER			500			29		30					100	CONTROL POWER				
				TOTALS	4550	3250	3300										0 1100 800	TOTALS				

L.C.L. VOLT AMPS: 0 PHASE A 0 PHASE B 0 PHASE C 0
TOTAL VOLT AMPS: 13000 PHASE A 4550 PHASE B 4350 PHASE C 4100
TOTAL AMPS: 36.1 PHASE A 37.9 PHASE B 36.3 PHASE C 34.2
ALL BREAKERS WITH LOCK ON DEVICES

NEW PANEL

PANEL NUMBER IDF1 VOLTAGE 120/208 PHASE 3 WIRE 4
SOURCE GL A.I.C. 10,000
PANEL LOCATION IDF ROOM 122 BUS AMPERE RATING 100
■ NEMA 1 ■ COPPER BUSS
■ MAIN CIRCUIT BREAKER 100A
■ SURFACE MOUNTING

LCL	MXD	RDT	LTG	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE A B C	CKT	BRKR AMP	POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MXD	RDT	LTG	LCL
				RACKS	500			1	20	1		2	20	1	·			SPARE				
						500				3		4				·						
							500			5		6			·							
					500					7		8				·						
						500				9		10			·							
							500			11		12				·						
					500					13		14			·							
						500				15		16				·						
							500			17		18			·							
				SPARE	–					19		20				·						
						–				21		22			·							
							–			23		24				·						
					–					25		26			·							
						–				27		28				·						
							–			29		30			·							
				TOTALS	1500	1500	1500								·	·	·	TOTALS				

L.C.L. VOLT AMPS: . PHASE A . PHASE B . PHASE C .
TOTAL VOLT AMPS: 4500 PHASE A 1500 PHASE B 1500 PHASE C 1500
TOTAL AMPS: 12.5 PHASE A 12.5 PHASE B 12.5 PHASE C 12.5
ISOLATED GROUND BUSS

NEW PANEL

PANEL NUMBER GCL VOLTAGE 120/208 PHASE 3 WIRE 4
SOURCE GL A.I.C. 10,000
PANEL LOCATION CLASSROOM 115 BUS AMPERE RATING 225
■ NEMA 1 ■ COPPER BUSS
■ MAIN LUGS ONLY
■ FLUSH MOUNTING

LCL	MXD	RDT	LTG	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE A B C	CKT	BRKR AMP	POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MXD	RDT	LTG	LCL
				DESK RECEPTACLE	360			1	20	1		2	20	1	360			DESK RECEPTACLE				
				DESK RECEPTACLE		360				3		4				360		DESK RECEPTACLE				
				DESK RECEPTACLE			360			5		6			360			DESK RECEPTACLE				
				DESK RECEPTACLE	360					7		8				360		DESK RECEPTACLE				
				DESK RECEPTACLE		360				9		10			360			DESK RECEPTACLE				
				DESK RECEPTACLE			360			11		12				360		DESK RECEPTACLE				
				DESK RECEPTACLE	360					13		14			360			DESK RECEPTACLE				
				DESK RECEPTACLE		360				15		16				360		DESK RECEPTACLE				
				DESK RECEPTACLE			360			17		18			360			DESK RECEPTACLE				
				DESK RECEPTACLE	360					19		20				360		DESK RECEPTACLE				
				WEST WALL RECEPTACLE		360				21		22					360	EAST WALL RECEPTACLE				
				WEST WALL RECEPTACLE			360			23		24					360	EAST WALL RECEPTACLE				
				WEST WALL RECEPTACLE	360					25		26					360	EAST WALL RECEPTACLE				
				PROJECTOR		500				27		28					–	SPARE				
				SCREEN			100			29		30					–	SPARE				
				SPARE	–					31		32				–		SPARE				
				SPARE		–				33		34					–	SPARE				
				SPARE			–			35		36					–	SPARE				
				SPARE	–					37		38				–		SPARE				
				SPARE		–				39		40					–	SPARE				
				SPARE			–			41		42					–	SPARE				
				TOTALS	1800	1940	1540								1800	1440	1440	TOTALS				

L.C.L. VOLT AMPS: . PHASE A . PHASE B . PHASE C .
TOTAL VOLT AMPS: 9960 PHASE A 3600 PHASE B 3380 PHASE C 2980
TOTAL AMPS: 27.7 PHASE A 30 PHASE B 28.2 PHASE C 24.8

NEW PANEL

PANEL NUMBER GH VOLTAGE 120/208 PHASE 3 WIRE 4
SOURCE GL A.I.C. 10,000
PANEL LOCATION MEZZANINE BUS AMPERE RATING 225
■ NEMA 1 ■ COPPER BUSS
■ MAIN LUGS ONLY
■ SURFACE MOUNTING

LCL	MXD	RDT	LTG	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE A B C	CKT	BRKR AMP	POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MXD	RDT	LTG	LCL
				BOILER-1A	1500			1	20	1		2	20	1	200			AHU-1A				
				BOILER-1B		1500				3		4				200		AHU-1A				
				BOILER-1C			1500			5		6					200	AHU-1B				
				BP-1 BOILER-1 PUMP	900					7		8			200			AHU-1B				
				BP-2 BOILER-2 PUMP		900				9		10				–		SPARE				
				BP-3 BOILER-3 PUMP			900			11		12					500	FIRE SMOKE DAMPER				1
				SPARE	900					13		14			500			FIRE SMOKE DAMPER				1
				CIRC PUMP CP		900			20	15		16					500	FIRE SMOKE DAMPER				1
				CIRC PUMP			900	2		17		18					500	DUCT DETECTOR				1
				'SS' SPLIT SYSTEM	1500				30	19		20			500			DUCT DETECTOR				1
				'SS' SPLIT SYSTEM		1500		2		21		22					500	DUCT DETECTOR				1
				SUPPLY FAN			200	1	20	23		24					1260	RECEPTACLE	7			
				BOILER PUMP 1A	200				20	25		26			180			HALL RECEPTACLE				
						200		2		27		28				360		IDF RECEPTACLE				
				BOILER PUMP 1B			200		20	29		30			360			IDF RECEPTACLE				
					200			2		31		32					360	IDF RECEPTACLE				
				BOILER DOMESTIC 1A		600		1	20	33		34				360		IDF RECEPTACLE				
				BOILER DOMESTIC 1B			600	1	20	35		36					360	BROADCAST RECEPTACLE				
				AH2 LITES	200			1	20	37		38				360		BROADCAST RECEPTACLE				
				AH2 RECEPTACLE		200		1	20	39		40			360			BROADCAST RECEPTACLE				
				AH2 CONTROLS			200	1	20	41		42				360		BROADCAST RECEPTACLE				
				AH3 LITES	200			1	20	43		44			–			SPARE				
				AH3 RECEPTACLE		200				45		46				–						
				AH3 CONTROLS			200			47		48					–					
				AH4 LITES	200					49		50			–							
				AH4 RECEPTACLE		200				51		52				–						
				AH4 CONTROLS			200			53		54					100	CP (PI.00)				
				SINK UNIT	1000					55		56			100			CONTROL POWER				
				SINK UNIT		1000				57		58				100		CONTROL POWER				
				SINK UNIT			1000			59		60			100			CONTROL POWER				
				TOTALS	6800	7200	5900								2400	2580	3740	TOTALS				

L.C.L. VOLT AMPS: . PHASE A . PHASE B . PHASE C .
TOTAL VOLT AMPS: 28620 PHASE A 9200 PHASE B 9780 PHASE C 9640
TOTAL AMPS: 79.5 PHASE A 76.7 PHASE B 81.5 PHASE C 80.3

<4> NEW BREAKER & LOADS.

<5> PROVIDE CONNECTION (3/4"C-2#12 & 1#12 GND) TO 4 POLE 277VAC COIL CONTACTOR (LVC) WHICH IS TO BE PROGRAMMED PER OWNERS REQUIREMENTS FOR 120VAC DISPLAY & CORRIDOR LIGHTS ON FIRST & SECOND FLOOR (CIRCUITS 60-58 & 60). PROVIDE 250VA TRANSFORMER 277-120VAC WITH PRIMARY PROTECTION.

NEW PANEL

PANEL NUMBER GG VOLTAGE 120/208 PHASE 3 WIRE 4
SOURCE GL A.I.C. 10,000
PANEL LOCATION HALL SOUTH BUS AMPERE RATING 225
■ NEMA 1 ■ COPPER BUSS
■ MAIN LUGS ONLY
■ FLUSH MOUNTING

LCL	MXD	RDT	LTG	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE A B C	CKT	BRKR AMP	POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MXD	RDT	LTG	LCL
				SPARE	–			1	20	1		2	20	1	–			SPARE				
				SPARE		–				3		4				–		SPARE				
				SPARE			–			5		6			–			SPARE				
				SPARE	–					7		8				–		SPARE				
				SPARE		–				9		10			1000			RESTROOM SINK				
				SPARE			–			11		12					540	HALL RECEPTACLE	2			
				SPARE	–					13		14			360			TEAM ROOM RECEPTACLE	2			
				SPARE		–				15		16				360		TEAM ROOM RECEPTACLE	2			
				SPARE			–			17		18					360	TEAM ROOM RECEPTACLE	2			
				SPARE	–					19		20			360			TEAM ROOM RECEPTACLE	2			
				SPARE		–				21		22				360		TEAM ROOM RECEPTACLE	2			
				SPARE			–			23		24					360	TEAM ROOM RECEPTACLE	2			
				SPARE	–					25		26			500			DOOR	1			
				SPARE		–				27		28				360		SOUTH LOBBY RECEPTACLE	2			
				SPARE			–			29		30					360	SOUTH LOBBY RECEPTACLE	2			
				SPARE	–					31		32			1500			RESTROOM SINK	1			
				SPARE		–				33		34				1500		RESTROOM SINK	1			
				SPARE			–			35		36					1000	VENDING MACHINE	1			
				SPARE	–					37		38			1000			VENDING MACHINE	1			
				SPARE		–				39		40				1000		VENDING MACHINE	1			
1				SMOKE FIRE DAMPER			200			41		42					180	RESTROOM RECEPTACLE	1			
				TOTALS	·	·	200								3720	4580	2800	TOTALS				

L.C.L. VOLT AMPS: . PHASE A . PHASE B . PHASE C .
TOTAL VOLT AMPS: 11300 PHASE A 3720 PHASE B 4580 PHASE C 3000
TOTAL AMPS: 31.4 PHASE A 31 PHASE B 38.2 PHASE C 25

NEW PANEL

PANEL NUMBER GF VOLTAGE 120/208 PHASE 3 WIRE 4
SOURCE GL A.I.C. 10,000
PANEL LOCATION CARDIO ROOM BUS AMPERE RATING 225
■ NEMA 1 ■ COPPER BUSS
■ MAIN LUGS ONLY
■ FLUSH MOUNTING

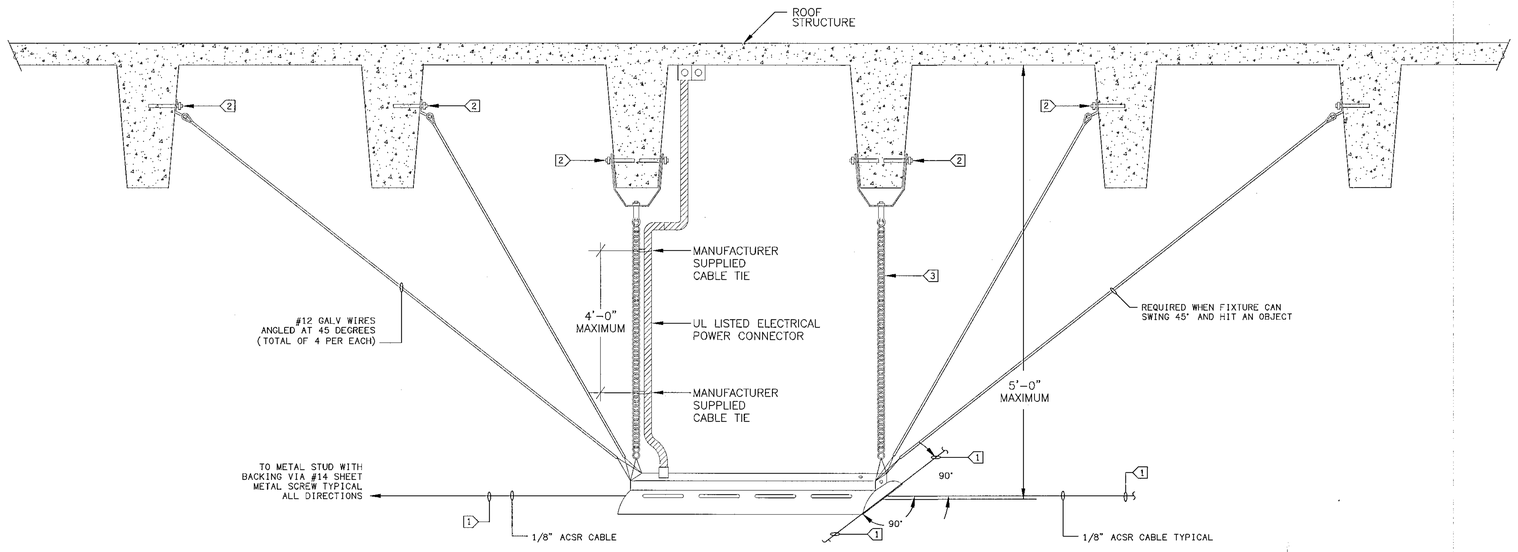
LCL	MXD	RDT	LTG	CIRCUIT DESCRIPTION	LOAD(VA) A	B	C	BRKR POLE	AMP	CKT	PHASE A B C	CKT	BRKR AMP	POLE	LOAD(VA) A	B	C	CIRCUIT DESCRIPTION	MXD	RDT	LTG	LCL
			1	CARDIO RECEPTACLE	500			1	20	1		2	20	1	500			CARDIO RECEPTACLE			1	
			1	CARDIO RECEPTACLE		500				3		4				500		CARDIO RECEPTACLE			1	
			1	CARDIO RECEPTACLE			500			5		6					500	CARDIO RECEPTACLE			1	
			1	CARDIO RECEPTACLE	500					7		8			500			CARDIO RECEPTACLE			1	
			1	CARDIO RECEPTACLE		500				9		10				500		CARDIO RECEPTACLE			1	
			1	CARDIO RECEPTACLE			500			11		12					500	CARDIO RECEPTACLE			1	
			1	CARDIO RECEPTACLE	500					13		14			500			CARDIO RECEPTACLE			1	
			1	CARDIO RECEPTACLE		500				15		16				500		CARDIO RECEPTACLE			1	
			1	CARDIO RECEPTACLE			500			17		18					500	CARDIO RECEPTACLE			1	
			1	CARDIO RECEPTACLE	500					19		20			500			CARDIO RECEPTACLE			1	
			1	CARDIO RECEPTACLE		500				21		22				500		CARDIO RECEPTACLE			1	
			1	CARDIO RECEPTACLE			500			23		24					500	CARDIO RECEPTACLE			1	
			1	CARDIO RECEPTACLE	500					25		26			500			CARDIO RECEPTACLE			1	
			1	RECEPTION RECEPTACLE		360				27		28				500		CARDIO RECEPTACLE			1	
			1	VIDEO RECEPTACLE			500			29		30					500	CARDIO RECEPTACLE			1	
			·	SPARE	–					31		32			–			SPARE			·	
			·	SPARE		–				33		34				–		SPARE			·	
			·	SPARE			–			35		36					–	SPARE			·	
			·	SPARE	–					37		38			–			SPARE			·	
			·	SPARE		–				39		40				–		SPARE			·	

DETAIL NOTES:

1. FOR WIRE ATTACHMENT TO STRUCTURE SEE ARCHITECTURAL AND STRUCTURE DRAWINGS.
2. REFER TO FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.

KEY NOTES:

<1> CONNECT TO STRUCTURE OR NEXT FIXTURE.
<2> SEE STRUCTURAL DETAIL 39/S0.20 FOR WIRE ATTACHMENT TO STRUCTURE TYPICAL
<3> AIRCRAFT CABLE UL LISTED BY MANUFACTURER



FIXTURE TYPE MOUNTING DETAIL

SCALE: NONE

2 / E300

LIGHTING FIXTURE SCHEDULE

TAG	SYMBOL	WATT	DESCRIPTION	LAMP - TYPE AND QUANTITY	MOUNTING	MANUFACTURER AND MODEL NUMBER	REMARKS
B1 -		14	BATHROOM	LED	SURFACE	VISA CB6505ASTA L35K-H MVOLT BSIL	-
C1 -	◎	4	SURFACE CYLINDER	LED	SURFACE	INDY LC4 S 13SL 3.5K MVOLT W G4 80CR7 EZ1 NL	
D0 -	○	18	4 INCH DOWNLIGHT	LED	RECESSED	LITHONIA #EVO 35/10 4AR MWD LSS MVOLT - NEPP N80	
D1 -	○	26	4 INCH DOWNLIGHT	LED	RECESSED	LITHONIA #EVO 35K/1400 4AR MVOLT - NEPP N80	-
D2 -	○	31	6 INCH DOWNLIGHT	LED	RECESSED	LITHONIA #EVO 35K/1800 6ARMD MVOLT - NEPP N80	-
D3 -	○	31	6 INCH DOWNLIGHT WET LOCATION	LED	RECESSED	LITHONIA #EVO 35/22 8AR MVOLT - NEPP N80	-
D4 -	○	34	8 INCH DOWNLIGHT	LED	RECESSED	LITHONIA #EVO 35K/1800 6DFD MVOLT - NEPP N80	
F0 -	▭	40	1'X4' EXTERIOR FIXTURE	LED	SURFACE	LITHONIA STL4 40L D40 LP835 N80	
F1 -	▭	34	1'X4' TROFFER	LED	RECESSED	LITHONIA BLT4 40L ADP MVOLT EZ1 LP835 N80	USE DGA 14 FOR DRYWALL APPLICATIONS
F2 -	▭	37	2'X2' TROFFER LED	LED	T-BAR	LITHONIA # 2BLT2-33L-ADP-MVOLT-LP835-N80- NES7-EZ1	USE DGA 14 FOR DRYWALL APPLICATIONS
F3 -	▭	39	1'X4' EXTERIOR FIXTURE	LED	RECESSED	LITHONIA 2F SL4 40L EZ1 LP835 N80	
F4 -	▭	45	2'X4' TROFFER LED	LED	T-BAR	LITHONIA # 2BTL4-48L-ADP-MVOLT-EZB-LP835-N80	USE DGA 24 FOR DRYWALL APPLICATIONS
F5 -	▭	20	1'X4' SURFACE	LED	SURFACE	LITHONIA FML WL48 835	
F8 -	▭	24	1'X4' SURFACE	LED	SURFACE	LITHONIA WL4 LED	
M -	▭	25	6"x4'-0"	LED	SURFACE	EUREKA 3132-40-MG-LED 35K MV	
P1 -	▭	52	PENDANT	LED	SUSPENDED	PEERLESS 7CRM 3LHI (LENGTH AS NOTED)277 SCT ENNB LMES20 LP835 F2/48 C110 N80	
P1-A -	▭	52	PENDANT	LED	SUSPENDED	PEERLESS 7CRM 3LHI (LENGTH AS NOTED)277 SCT ENNB LMES20 LP835 F2/48 C110 N80	
P1-B -	▭	52	PENDANT	LED	SUSPENDED	PEERLESS 7CRM 3LHI (LENGTH AS NOTED)277 SCT ENNB LMES20 LP835 F2/48 C110 N80	
R3 -	▬	24	2"X3'0" LED RECESSED	LED	RECESSED	MARK SL2L LOP 3 FLPGB 90CRI 35K 600 DARK 277 NLIGHT CLO	
R4 -	▬	24	2"X4'0" LED RECESSED	LED	RECESSED	MARK SL2L LOP 4 FLPGB 90CRI 35K 600 DARK 277 NLIGHT CLO	
R5 -	▬	30	2"X5'0" LED RECESSED	LED	RECESSED	MARK SL2L LOP 5 FLPGB 90CRI 35K 600 DARK 277 NLIGHT CLO	
R6 -	▬	36	2"X6'0" LED RECESSED	LED	RECESSED	MARK SL2L LOP 6 FLPGB 90CRI 35K 600 DARK 277 NLIGHT CLO	
R7 -	▬	42	2"X7'0" LED RECESSED	LED	RECESSED	MARK SL2L LOP 7 FLPGB 90CRI 35K 600 DARK 277 NLIGHT CLO	
R8 -	▬	48	2"X8'0" LED RECESSED	LED	RECESSED	MARK SL2L LOP 8 FLPGB 90CRI 35K 600 DARK 277 NLIGHT CLO	
S2 -	▭	26	SURFACE 10"x24"	LED	SURFACE	LITHONIA STL2 22L D26 N80 LP835	
S4 -	▭	40	SURFACE 10"x48"	LED	SURFACE	LITHONIA STL4 40L D40 N80 LP835	
SL -	▭	25	STRIP LIGHT	LED	SURFACE	LITHONIA ZL1N L48 FST277 5000L 80OCRI WH nPP16D	
UC -	▭	20	UNDER COUNTER 24"	LED	UNDER COUNTER	BRUCK 138 LED LENGTH AS REQUIRED WHITE - 3	
WP -		25	WALL PACK	LED	WALL	LITHONIA CSXWLED 30C 1000 40K T3M MVOLT PE DWXHD	
WP3 -		15	WALL PACK SMALL	LED	WALL	LITHONIA OLW31	
WL -	▭	40	RECESSED LINEAR WALL	LED	RECESSED	MARK SPRLD (LENGTH AS NOTED) G9N 35 AD 277 FA N80	
X -	⊗ OR EXIT	7	EXIT SIGN WITH BATTERY	LED	UNIVERSAL	LITHONIA EDGRW (1 OR 2 AS NOTED) G EL (WM) WHERE NOTED	ARROW AS REQUIRED PER PATH OF EGRESS <1>
X5 -	⊗	·	SURFACE MOUNTED EXIT SIGN	LED	SURFACE	LITHONIA LQC W1R ELN	IN MECHANICAL ROOMS

ALL EXIT SIGNS SHALL BE NEW, EVEN UNITS IN GYM COURT AREA (COURT AREA UNITS HAVE CAGES)

ALL BUILDING LIGHTING, INTERIOR AND EXTERIOR IS ON EMERGENCY GENERATOR

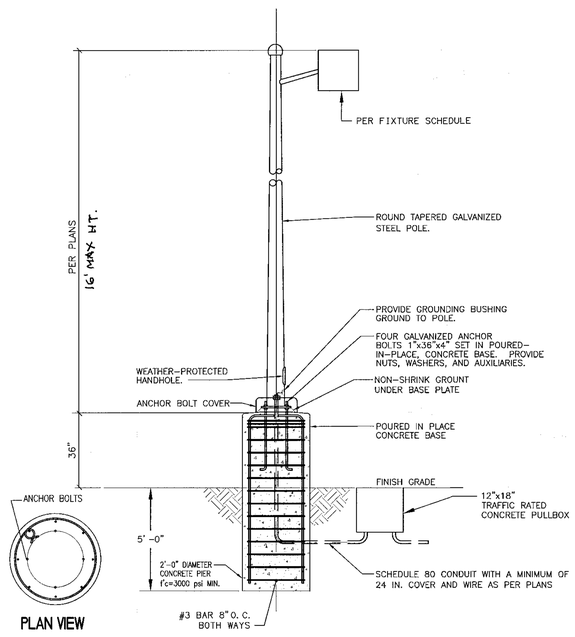
KEY NOTES:

<1> MAXIMUM DISTANCE BETWEEN EXIT SIGNS SHALL NOT EXCEED 50'0", VERIFY WITH MANUFACTURER.

DEVICE/CONTROL LEGEND

TAG	DESCRIPTION
—C5—	CAT 5 CABLE
$V	VACANCY SENSOR SWITCH
$OS (d)	OCCUPANCY SENSOR SENSOR SWITCH - LINE VOLTAGE DUAL LEVEL WSD PDT 2P 'd' DENOTES DIMMING FEATURE
$OL	nLIGHT WALL SWITCH DECORA OCCUPANCY SENSOR DUAL TECHNOLOGY (PDT) LOW VOLTAGE ON/OFF/RAISE/LOWER CONTROL #nWSXPDTLVDXWH
GFX	nPOD GFX GRAPHIC WALLPOD
D1	nLIGHT ON/OFF RAISE LOWER #nPODMDXWH
D2	nLIGHT DIMMER 2 CHANNEL ON/OFF TOGGLE #nPODM2PDXWH
D4	nLIGHT DIMMER 4 CHANNEL TOGGLE WITH DIMMING #nPODM4PDXWH
RP	nLIGHT RELAY PACK #nPP16
RPD	nLIGHT RELAY PACK WITH 0-10V DIMMING CONTROL #nPP16D
OS	nLIGHT STANDARD RANGE 360° SENSOR CEILING MOUNT, LOW VOLTAGE DUAL TECHNOLOGY #nCMPDT9
OS LV	LINE VOLTAGE OCCUPANCY SENSOR CEILING MOUNT 120/277V SENSOR SWITCH
OSP	nLIGHT STANDARD RANGE 360° SENSOR CEILING MOUNT, LOW VOLTAGE DUAL TECHNOLOGY (PDT) PHOTOCELL WITH DIMMING (NO WIRES) #nCMPDT9ADCX
AIOS	nLIGHT AUTOMATIC DIMMING CONTROL PHOTOCELL, CEILING MOUNT, LOW VOLTAGE DUAL ZONE WITH OCCUPANCY SENSOR nCMPDT10ADCXDZ
PP2	POWER PACK, 2 LEVEL, 120/277VAC DUAL VOLTAGE

NOT PART OF DSA REVIEW

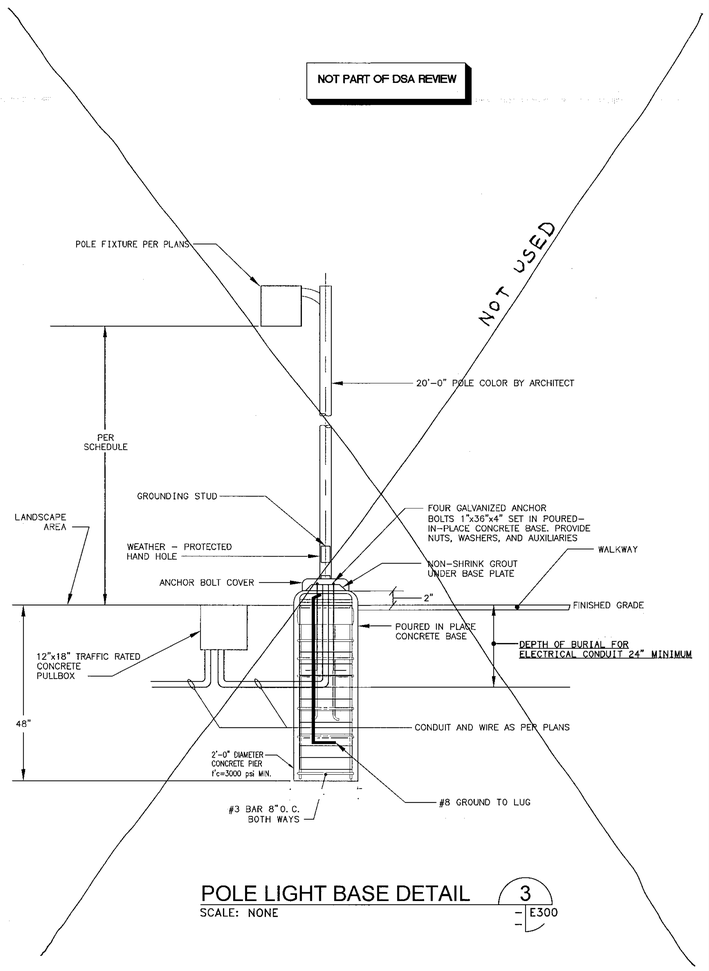


POLE MOUNTED PARKING BASE

SCALE: NONE WHEN ADJACENT TO DRIVEWAY OR PARKING

4 / E300

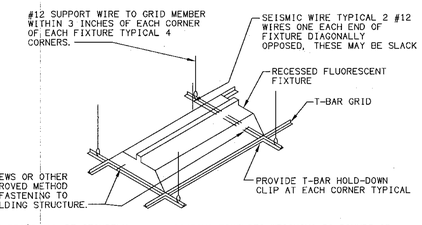
NOT PART OF DSA REVIEW



POLE LIGHT BASE DETAIL

SCALE: NONE

3 / E300



ALL LIGHTING FIXTURES SHALL BE SECURELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. THE ATTACHMENT DEVICE SHALL HAVE A CAPACITY OF 100 PERCENT OF THE LIGHT FIXTURE WEIGHT ACTING IN ANY DIRECTION.

WHEN INTERMEDIATE SYSTEMS ARE USED, #12 GAGE HANGERS SHALL BE ATTACHED TO THE GRID MEMBERS WITHIN 3 INCHES OF EACH CORNER OF EACH FIXTURE. TANDEM FIXTURES MAY UTILIZE COMMON WIRES.

WHERE HEAVY DUTY SYSTEMS ARE USED, SUPPLEMENTAL HANGERS ARE NOT REQUIRED IF A 48 INCH MODULAR HANGER PATTERN IS FOLLOWED. WHEN CROSS RUNNERS ARE USED WITHOUT SUPPLEMENTAL HANGERS TO SUPPORT LIGHTING FIXTURES, THESE CROSS RUNNERS MUST PROVIDE THE SAME CARRYING CAPACITY AS THE MAIN RUNNER.

LIGHTING FIXTURES WEIGHING 56 POUNDS OR MORE SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.

PENDANT MOUNTED LIGHTING FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING 9 GAGE WIRE OR APPROVED ALTERNATE.

NOTE: ALL ELECTRICAL EQUIPMENT, CONDUIT, FIXTURES, ETC. SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE AS PER CITY ORDINANCES.

FIXTURE SCHEDULE NOTES:

1. FIXTURES TYPE IN CONTACT WITH INSULATION SHALL HAVE U.L. LISTED THERMAL BARRIER.
2. CONTRACTOR SHALL VERIFY THE TYPE OF CEILING BEFORE ORDERING NEW FIXTURES. CONTRACTOR IS FULLY RESPONSIBLE TO PROVIDE ALL MOUNTING BRACKETS TO FIT CEILING CONDITIONS AT NO EXTRA CHARGE TO THE OWNER.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES.
4. SEE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS, CEILING CONFIGURATION AND LIGHTING PLACEMENT.
5. XX / XX - FIXTURE TYPE / QUANTITY (CONTRACTOR TO VERIFY)

FIXTURE MOUNTING DETAIL

SCALE: NONE

1 / E300

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APPL NO. 03-118379
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REGISTERED PROFESSIONAL ENGINEER — LEE KEENER — No. E 9340 — Exp 09/30/2018 — ELECTRICAL — STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
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	JOB NO: 16-MPC-023

LIGHTING FIXTURE SCHEDULE

E300

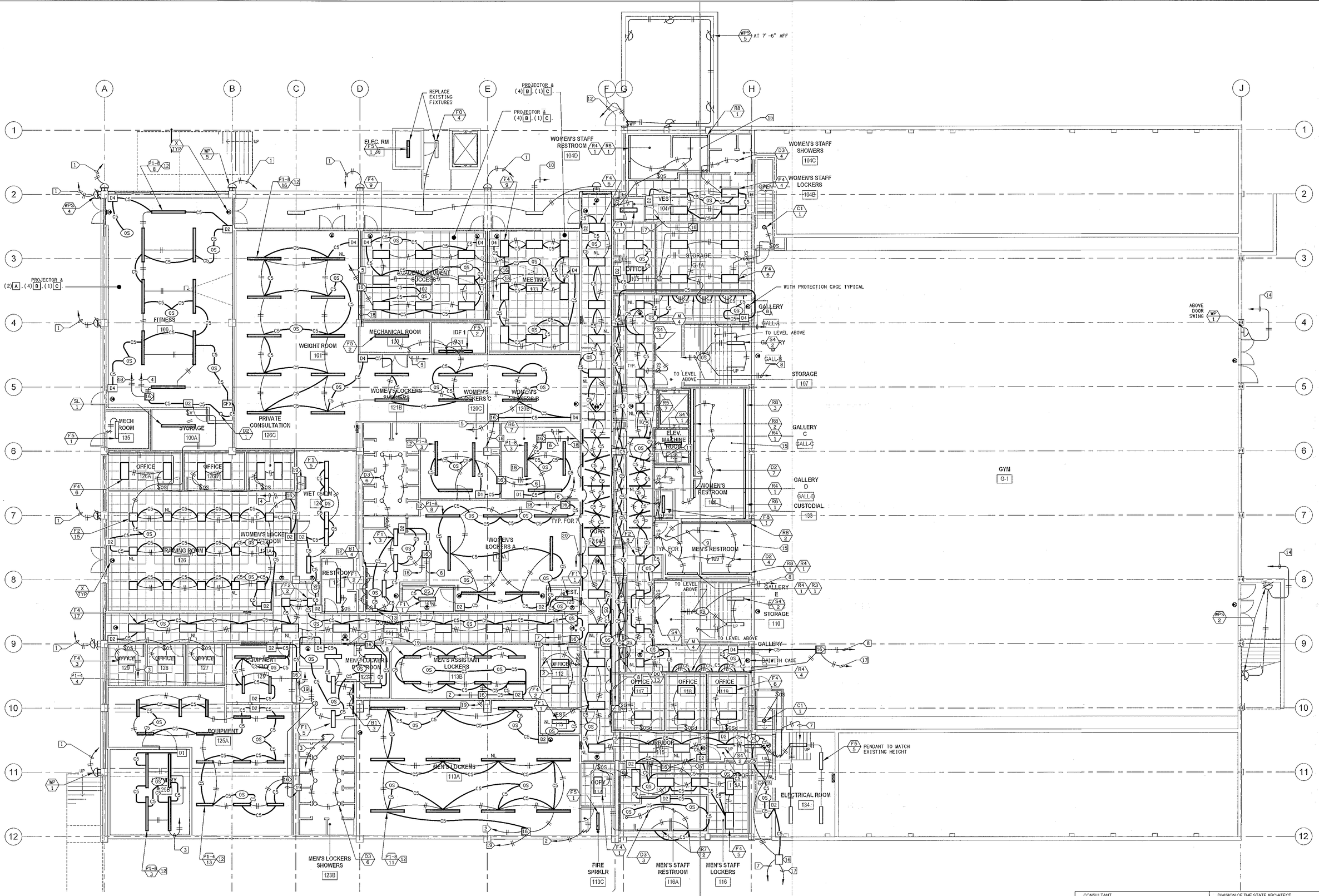
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L.A.I.# 16159 PAPER SIZE 42"x36"

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G:\16\1559\ELI\Sheets\GYM\16159E300.dwg Mar 22, 2018, 5:05pm Lee Keener



1/8"=1'-0" 0 4' 8' 16' 24'

FIRST FLOOR LIGHTING PLAN

SCALE: 1/8"=1'-0"

1 / E301

CONTRACTOR TO SUPPLY AND INSTALL THE FOLLOWING AV EQUIPMENT AS NOTED ON E301 AND E302.

PROJECTOR MOUNT AND CONTROL (IN ALL ROOMS WITH PROJECTORS)

PROJECTOR
- EPSON POWERLITE 2255U WIRELESS FULL HD WUXGA 3LCD PROJECTOR
- PROJECTOR SPEED-CONNECT ABOVE TILE SUSPENDED CEILING KIT
- 6-9' ADJUSTABLE EXTENSION COLUMN
- RPA UNIVERSAL AND CUSTOM CEILING PROJECTOR MOUNTS
- CRESTRON DMPS3-4K-300-C WITH DM-RMC-SCALER-C

SPEAKERS
- A ELECTROVOICE EVID C4.2 (QUANTITY AS NOTED)
- B ELECTROVOICE EVID C8.2 (QUANTITY AS NOTED)
- C ELECTROVOICE EVID 12.1 (1 PER ROOM)

INTERFACE CABLING PER ROOM TO TEACHER POSITION/PODIUM (AS REQUIRED BY THE MANUFACTURER)

CONTRACTOR TO VERIFY ALL FIXTURE COUNTS SHOWN

ALL LIGHTING FIXTURES ARE CONNECTED/POWERED BY EMERGENCY GENERATOR

SHEET NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION, CEILING TYPE, TRIM, AND REQUIREMENTS OF ALL LIGHT FIXTURES AND CONTROL PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH INSTALLATION.
2. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
3. 3/4" CONDUIT MINIMUM UNLESS OTHERWISE NOTED.
4. ALL LIGHTING FIXTURES SHALL BE SECONDARILY SUPPORTED WITH SAFETY CABLES, PROVIDED BY CONTRACTOR.
5. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
6. ALL EXIT SIGNS ARE +12" TO CENTER LINE OF FIXTURE ABOVE DOOR FRAME UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL PROVIDE ALL BACKING, BRACKETS, SUPPORTS, AND MOUNTING HARDWARE NECESSARY TO PROPERLY INSTALL LIGHTING FIXTURES.
8. VERIFY THE EXACT ROUTING OF ALL EXPOSED CONDUIT WITH OWNER PRIOR TO INSTALLATION.
9. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
10. PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTOR IN ALL LIGHTING SYSTEM CONDUITS.

KEY NOTES:

1. HA-2
2. HA-4
3. HA-6
4. HA-8
5. HA-10
6. HA-12
7. HA-14
8. HA-16
9. HA-18
10. HA-20.
11. HA-22.
12. PROVIDE GRIP LOCK CONNECTION ON PENDANT AIRCRAFT CABLE TO WALLS IN BOTH DIRECTIONS. USE 1/8" CABLE ACSR.
13. nPP16 nLIGHT.
14. HA-5.
15. FIELD VERIFY FIXTURE LEGTHS IN RESTROOMS.
16. nPP16D EMG
17. HL-1.
18. HL-3.
19. HL-5.
20. GH-60 VIA HL PER KEY NOTE 5 E204 FOR CORRIDOR DISPLAYS.

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ARCHITECT'S STAMP

LICENSED ARCHITECT WILLIAM CRAIG AMADOR C-26348 JANUARY 31, 2014 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 8541 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

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MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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	CHECK: K.L.
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FIRST FLOOR LIGHTING PLAN

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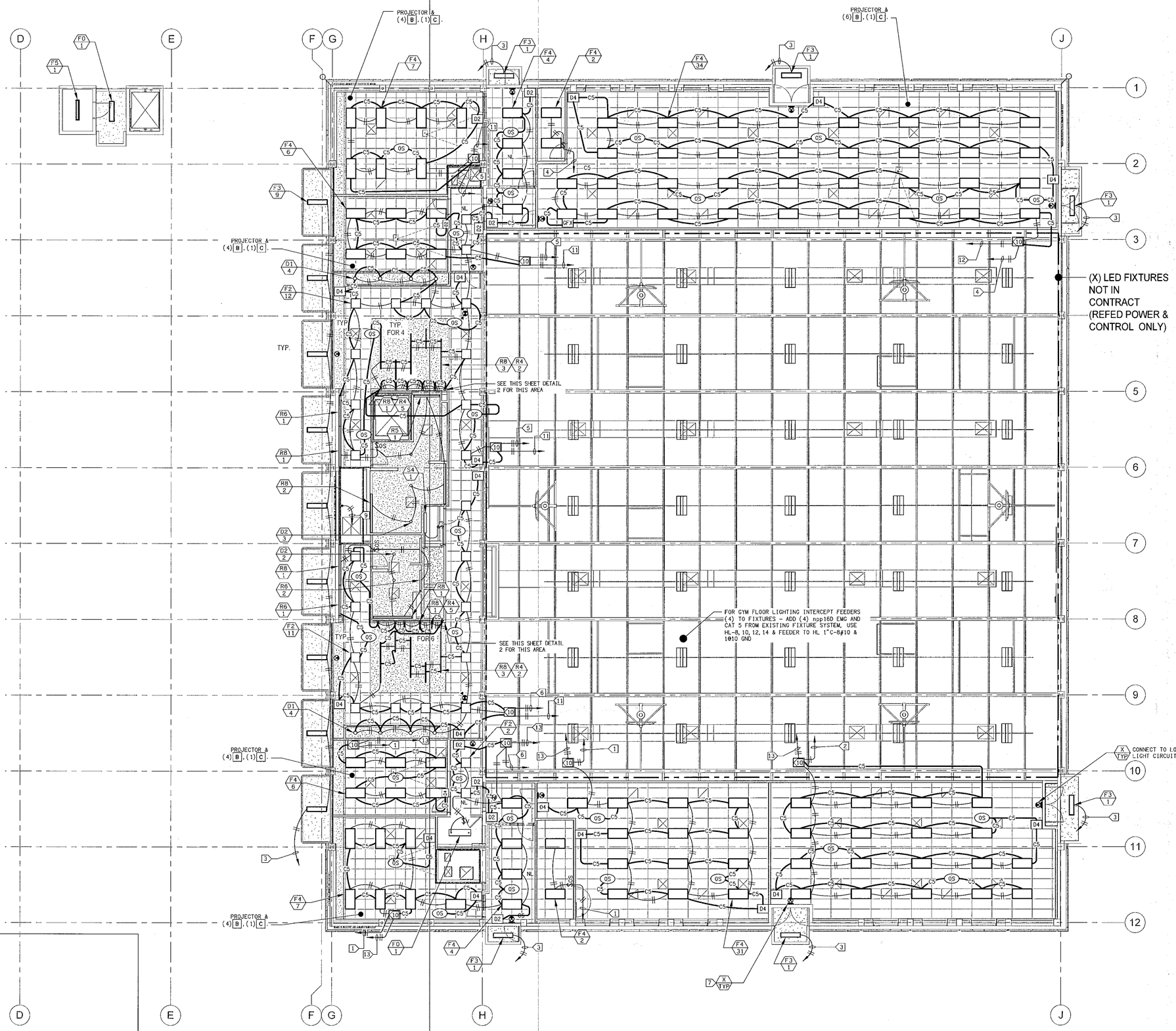
E301 OF

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L.A.I.# 16159 PAPER SIZE 42"x36"

DRAFTER: Lee Keener DRAWING FILENAME: 16159E301 PATHNAME: G:\16\16159\ELS\Sheets\GYM DATE: 22 March 2018 TIME: 5:06 pm

Plotted by: Lee Keener Date: Mar 23
Plotting scale: 1:1
Plotting device: ARCH E1 36.00 x 24.00
Paper size: ARCH E1 36.00 x 24.00
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XREF:



1/4"=1'-0" 0 2' 4' 8' 12'

STAIR ELEVATION SHOWING DISPLAY CASES 2 / E302

SCALE: 1/4"=1'-0"

1/8"=1'-0" 0 4' 8' 16' 24'

SECOND FLOOR LIGHTING PLAN 1 / E302

SCALE: 1/8"=1'-0"

CONTRACTOR TO SUPPLY AND INSTALL THE FOLLOWING AV EQUIPMENT AS NOTED ON E301 AND E302.

PROJECTOR MOUNT AND CONTROL (IN ALL ROOMS WITH PROJECTORS)

PROJECTOR
- EPSON POWERLITE 2255U WIRELESS FULL HD WUXGA 3LCD PROJECTOR
- PROJECTOR SPEED-CONNECT ABOVE TILE SUSPENDED CEILING KIT
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- B ELECTROVOICE EVID C8.2 (QUANTITY AS NOTED)
- C ELECTROVOICE EVID 12.1 (1 PER ROOM)

INTERFACE CABLING PER ROOM TO TEACHER POSITION/PODIUM (AS REQUIRED BY THE MANUFACTURER)

KEY NOTES:

1. HA-1.
2. HA-3.
3. HA-5 - VIA PROGRAMMED CIRCUIT BREAKERS.
4. HA-7.
5. HA-9.
6. HA-11.
7. CONNECT TO EML-6.
8. PROVIDE 1/4"ACSR CABLE & GRIP LOCK CONNECTORS FROM STRUCTURE TO FIXTURE TO PREVENT THEM FROM "LIGHTING" OBJECTS WHEN THEY SING 45 DEGREES.
9. GD-58 VIA PANEL HA CONTACTORS, SEE KEY NOTE 5 SHEET E204.
10. nLIGHT npp16D EMG.
11. HL-2.
12. HL-4.
13. HL-6.

SHEET NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION, CEILING TYPE, TRIM, AND REQUIREMENTS OF ALL LIGHT FIXTURES AND CONTROL PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH INSTALLATION.
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10. PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTOR IN ALL LIGHTING SYSTEM CONDUITS.

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ASSOCIATE PROFESSIONAL ENGINEER IN ELECTRICAL — No. E 8540 — Exp. 09/30/2018 — STATE OF CALIFORNIA

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SECOND FLOOR LIGHTING PLAN — **E302** — SHEET — OF —

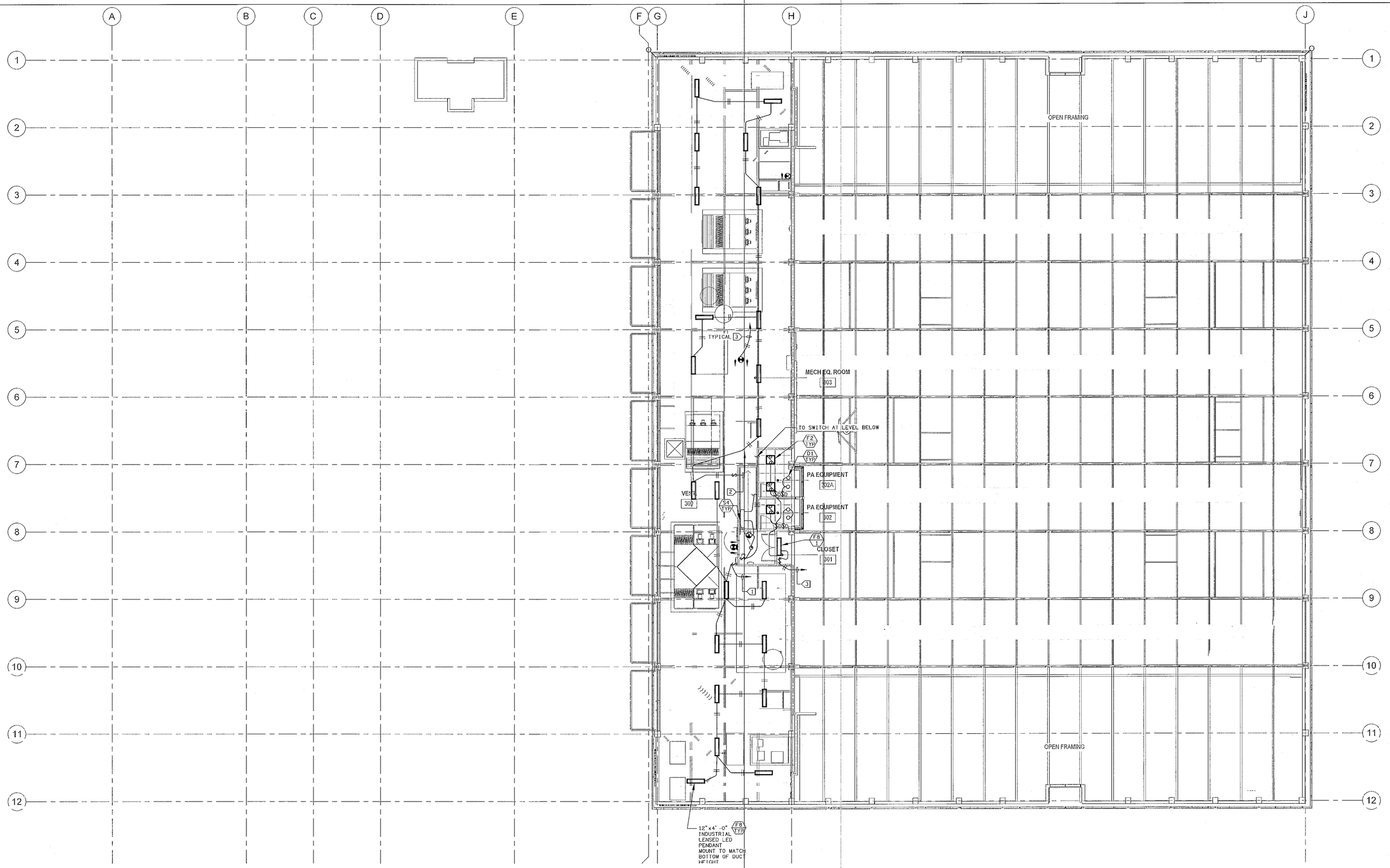
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1/8"=1'-0" 0 4' 8' 16' 24'

MEZZANINE LIGHTING PLAN

SCALE: 1/8"=1'-0"

1 / E303

SHEET NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION, CEILING TYPE, TRIM, AND REQUIREMENTS OF ALL LIGHT FIXTURES AND CONTROL PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH INSTALLATION.
2. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
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10. PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTOR IN ALL LIGHTING SYSTEM CONDUITS.

KEY NOTES:

1. GZ-13.
2. GZ-15.
3. GZ-17.

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	CHECK: K.L.
	JOB NO: 16-MPC-023

MEZZANINE LIGHTING PLAN

E303

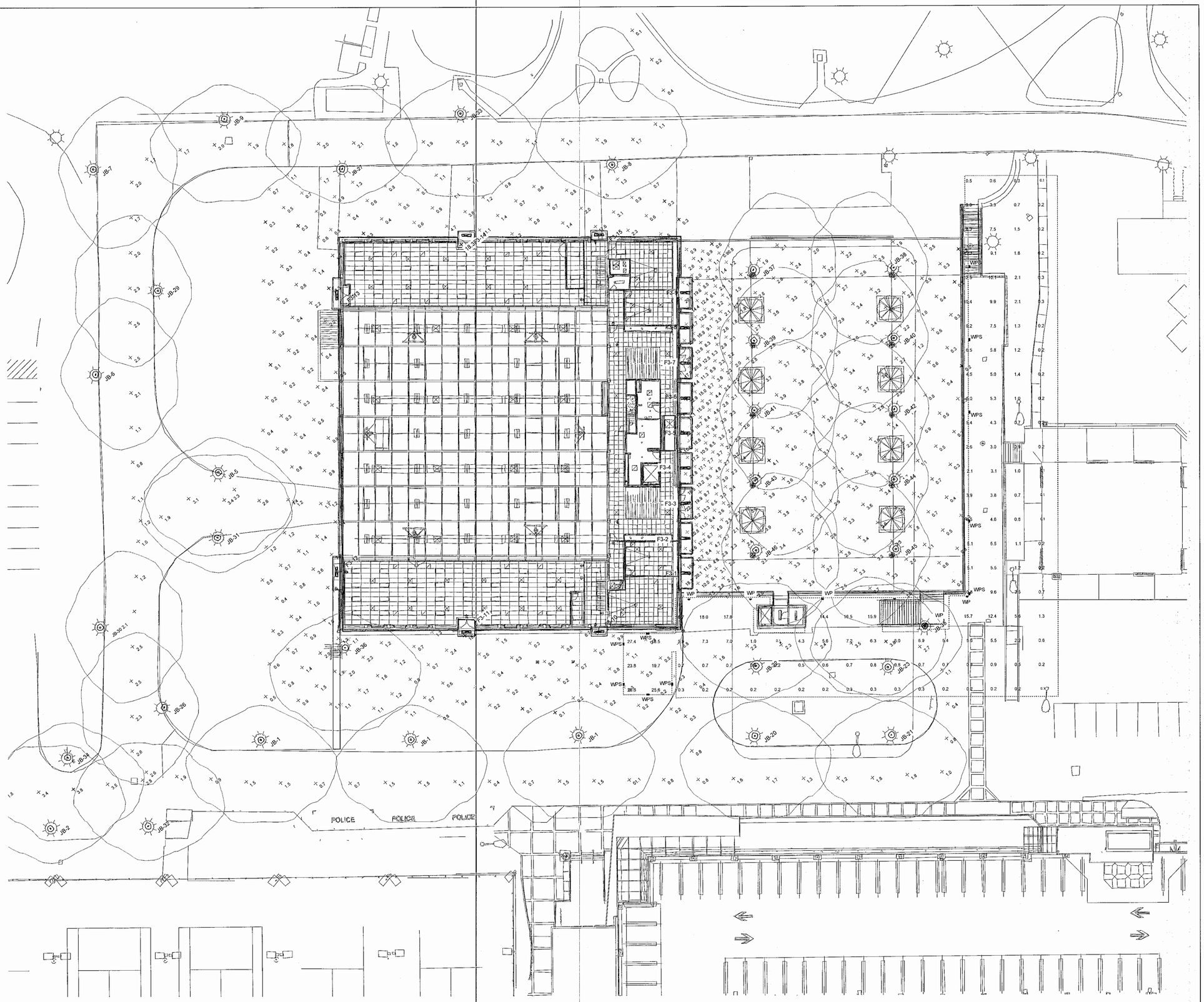
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Schedule

Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage
	JB	36	Cyclone Lighting	CLE17T4x-FGC-3-40W-4K	CYCLONE LIGHTING POST TOP LED FIXTURE WITH INDIVIDUAL LED LENS OPTICS AND CLEAR FLAT LENS	20 White LEDs	1	4208.613	0.95	45
	F3	15	Lithonia Lighting	TLX4 40L RW A12 MVOLT EZ1 LP835 N80	TLX4 1X4 4000 NOMINAL LUMENS, A12 LENS, 3500K	LED	1	4077	0.95	39
	WP	6	Lithonia Lighting	CSXW LED 30C 1000 40K T3M MVOLT PE DWHXD	CONTOUR SERIES LED WALL-MOUNT WITH 30 4000K LEDS OPERATED AT 1000mA AND PRECISION MOLDED ACRYLIC TYPE III LENS, PUSH BUTTON PHOTOCELL	LED	1	10932	0.95	104
	WPS	9	Lithonia Lighting	OLW 31	LED GENERAL PURPOSE WALLPACK WITH TYPE III OPTICS; Scaled From LTL25215	LED	1	3964	0.95	44.2

ALL EGRESS LIGHTING IS ON EMERGENCY POWER

1/16"=1'-0" (0, 8', 16', 32', 48')

EXTERIOR PHOTOMETRIC PLAN
SCALE: 1/16"=1'-0"

1 – E306

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AMADOR WHITTLE
ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

ARCHITECT'S STAMP
LICENSED ARCHITECT JORGE LUIS AMADOR C-30340 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

EXTERIOR PHOTOMETRIC PLAN

E306
OF —

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE SCALE DRAWINGS ACCORDINGLY

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L.A.I.# 16159 PAPER SIZE 42"x36"

DRAFTER: Lee Keener DRAWING FILENAME: 16159E306 PATHNAME: G:\16\16159\ELI\Sheets\GYM DATE: 22 March 2018 TIME: 5:06 pm

Brightness Control: Paper Size: E1
Plot Scale: 1/16" = 1'-0"
Plot Offset: 0.00, 0.00
Plot Rotation: 0
Plotted By: Lee Keener
Plot Date/Time: 3/22/2018 5:06:04 PM
Plot Style Table: ANSI-D.ctb
Layout: E306 - REV CONSTRUCTION KEYNOTE PLAN.dwg
Xref: 16159E306 - T-SHT FLOOR - REV CONSTRUCTION KEYNOTE PLAN.dwg

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JB

Levanto

cyclone



WP

CSXW LED
LED Wall Luminaire



Catalog Number
Notes
Type

Specifications

Height:	7-1/8" (22.2 cm)
Width:	16-3/8" (41.3cm)
Depth:	9-5/16" (23.6 cm)
Weight (max):	30 lbs (13.6 kg)



Introduction

The Contour® Series luminaires offer traditional square dayforms with softened edges for a versatile look that complements many applications.

The CSXW LED combines the latest in LED technology with the familiar aesthetic of the Contour® Series for stylish, high-performance illumination that lasts. It is ideal for replacing 100-400W metal halide in wall-mounted applications with typical energy savings of 80% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: CSXW LED 30C 700 40K T3M MVOLT DDBXD

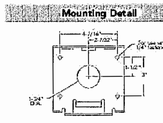
CSXW LED

Series	Lumens	Color temperature	Distribution	Voltage	Mounting	Shipped installed	Shipped separately	Color
CSXW LED	30C 3,000 lm	700 700 nominal	40K 4000K	T2M Type II, medium	MVOLT[1]	Shipped included	PE Photocontrol, button type[2,3]	DDBXD Dark bronze
	50C 5000 lm	1000 1000 nominal	50K 5000K	T3M Type III, medium	120[1]	(blank) Surface mount	BSTG 0-10V dimming pigtail (no control)[4]	DBLBXD Black
			T4M Type IV, medium	208[1]		Shipped separately	SF Single fuse (120, 277, 347V)[5]	DNAXD Natural aluminum
			T4FFM Type IV Automotive, Forward throw, medium	240[1]		SRM Surface-mounted back box (for conduit entry)[6]	DF Double fuse (208, 240, 480V)[5]	DWHXD White
				277[1]				DBTXD Textured bronze
				347[1]				DBLBXD Textured black
				480[1]				DNATXD Textured natural aluminum
								DWHXD Textured white

Shipped installed	
PE	Photocontrol, button type[2,3]
BSTG	0-10V dimming pigtail (no control)[4]
SF	Single fuse (120, 277, 347V)[5]
DF	Double fuse (208, 240, 480V)[5]

Shipped separately[7]	
WG	Wall guard
WGM	Wire guard

Mounting Detail



Accessories

Ordered and shipped separately.

CSXWBBSURD U	Back box accessory (specify finish)
CSXWGU	Wire guard accessory
CSXWGU	Wall guard accessory

NOTES
1. Cord guard with 40K/WG (GU) provides the shortest lead time as Controls factory for 5000K/3,500K lead times.
2. NOTE: Photocell sensor operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with Factory Installed (PE, DF options) or photocontrol (PC option).
3. Available with 700 max. options only (30C, 70K).
4. Also available as a separate accessory; see Accessories information at left.
5. Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option.
6. Must be ordered with fixture; cannot be field installed.
7. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.

WPS

LITHONIA LIGHTING

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE
Provides ambient ambiance-free general illumination from indoor to semi-residential and commercial applications such as retail, education, multi-unit housing and storage. Ideal for lighting building facades, parking areas, walkways, garages, loading areas and any other outdoor space requiring reliable security lighting.

CONSTRUCTION
Sturdy weather resistant aluminum housing with a dark bronze finish.

High performance LEDs are powered by an MVOLT driver providing 3000 and 4000 delivered lumens at 5000K. 100,000 hours L70 lifespan based on IESNA LM-80-08 results and calculated per IESNA TM-21-11 methodology. Fixture is maintenance-free.

Rated for cold locations to a minimum -40°C minimum ambient.

Adjustable back-to-down, photocell standard automatically turns light on at dusk and off at dawn for convenience and energy savings.

Photocell can be disabled by rotating the photocell cover.

OPTICS
Nighttime friendly™ full cutoff above 90° angle, standard.

INSTALLATION
Wall or arm mount (mounting arm sold separately).

All mounting hardware included.

LISTINGS
UL Certified to 1598 safety standards. C-UL Certified to Canadian safety standards. Wet location listed.

Tested in accordance with IESNA LM-79 and LM-80 standards. DLC qualified product.

WARRANTY
5 year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications are subject to change without notice.

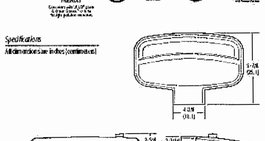
Outdoor General Purpose

OLW

LED WALL PACK

Specifications

All dimensions are inches (centimeters)



Ordering Information

For shortest lead times, configure products using bolded options.

Example: OLW 23

OLW

Series	Lumens/Color temperature (CCT)	Voltage	Features	Finish
OLW LED Wall Light	**23** 3,000 delivered lumens / 5000K[1]	(blank) MVOLT (120V-277V)	(blank) Photocell included	(blank) DDB Dark Bronze
	31 4,300 delivered lumens/ 5000K[1]			

Accessories: Order as separate catalog number.
OAM 18 DDBXD6 18" Steel mounting arm

Notes
1 Correlated Color temperature (CT) shown is nominal per ANSI C78.377-2008.

F3

LITHONIA LIGHTING

Catalog Number
Notes
Type

T SERIES SURFACE MOUNT

TLX4

1' x 4' LED



eldoLED DLC LISTED

Specifications

Length: 48 [121.9]
Width: 12-1/4 [31.1]
Depth: 4-3/4 [12.1]



All dimensions are inches (centimeters) unless otherwise indicated.

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control at the switch, providing advanced control functionality at the luminaire level, when a selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details.

TLX4 Surface Mount LED Lighting 1' x 4'



ORDERING INFORMATION — Lead times will vary depending on options selected. Consult with your sales representative. **Example:** TLX4 48IL FW A12 EZ1 LP835 N80

TLX4								
Series	**Lumens**	**Door**	**Lens**	**Voltage**	**Driver**			
TLX4 Surface LED 1x4	20L 2000 lumens	FW Flush aluminum, white	A12 #12 pattern acrylic	(Blank) MVOLT (120-277)	EZ1 0-10V, dims to 1% (1% requires 2-wire dimming)			
	30L 3000 lumens	RW Recessed aluminum, white	AW9 #9 pattern acrylic, 0.156" thick	347 347[1]	EZ2 0-10V, dims to 10% (10% requires 2-wire dimming)			
	40L 4000 lumens		AWS Matte white .040" thick		EZ3 0-10V, dims to dark (0-1% with dimming)			
	48L 4800 lumens		AFL Microprism		EZ4 0-10V, dims to dark (0-1% with dimming)			
	60L 6000 lumens		SWL Satin white		EXA1 Emergency battery backup, 1 hour[2]			
					EXA4 Emergency battery backup, 4 hour[2]			
					SCD Step-level dimming[3]			

Color temperature		Control		Options	
LP830	3000 K	(blank) No controls		E2L 700 nominal lumens for battery pack[4]	
LP835	3500 K	NLTAIR2 nLight wireless enabled		E24L 1400 nominal lumens for battery pack[4]	
LP840	4000 K	PIRNLTAIR2 nLight, wireless enabled, with 30% (LOS) low ambient sensor, for use with our exclusive supply EM power			
LP850	5000 K	PIR nLight, wireless enabled, with 30% (LOS) low ambient sensor, for use with any emergency EM power			
		EMNLTAIR2 nLight, wireless enabled, for use with our exclusive supply EM power			

Notes
1. Approximate lumen output.
2. Not available with A, or EM, flashing pulse or 2 Driver.
3. Not available with NLTAIR, NLTAIR2, PIRNLTAIR, or PIRNLTAIR2.
4. Comes as standard. Requires no additional ordering. Visit www.lithonia.com/dlc.com/WaterMiser for more information.
2. Not available for 4K, or EM, options.

Performance Data				
Lumens	**Package**	**Lumens**	**Input Watts**	**LPW**
20L	LP830	2,210.5	21	105.4
20L	LP835	2,339.9	21	111.6
20L	LP840	2,375.7	21	113.4
20L	LP850	2,354.8	21	112.1
30L	LP830	3,161.5	30	104.8
30L	LP835	3,311.3	30	109.8
30L	LP840	3,333.9	30	110.5
30L	LP850	3,146.9	30	111.6
40L	LP830	3,991.0	39	102.3
40L	LP835	4,045.9	39	104.3
40L	LP840	4,096.3	39	105.3
40L	LP850	4,048.6	39	106.9
48L	LP830	4,791.3	47	102.0
48L	LP835	4,897.2	47	104.2
48L	LP840	4,933.1	47	104.9
48L	LP850	5,901.1	47	106.5
60L	LP830	5,430.3	55	98.7
60L	LP835	5,540.3	55	100.6
60L	LP840	5,582.0	55	101.1
60L	LP850	5,376.1	55	103.0

LITHONIA LIGHTING
An Acuity Brands Company
TLX4-1X4
MD: One Lithonia Way, Conyers, GA 30012 Phone: 800 858 7503 Fax: 770 929 8709 www.lithonia.com © 2013-2016 Acuity Brands Lighting, Inc. All rights reserved. Rev. 09/22/16

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LUCCI & ASSOCIATES INC.
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CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519
Web Site http://www.lucciland.com

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FILE NO. 56-C1
APPL. NO. 03-118379
AC ✓ FLS ZM SS RP
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.
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(805) 530-3938 , (818) 874-0071

ARCHITECT'S STAMP

LICENSED ARCHITECT — WILLIAM JOHN AMADOR — No. C-30348 — JANUARY 31, 2019 — RENEWAL DATE — STATE OF CALIFORNIA

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AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER — MICHAEL THOMAS WHITTLE — No. E 8340 — Exp: 09/30/2018 — ELECTRICAL — STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023
LIGHT FIXTURE CUT SHEETS	**E307**

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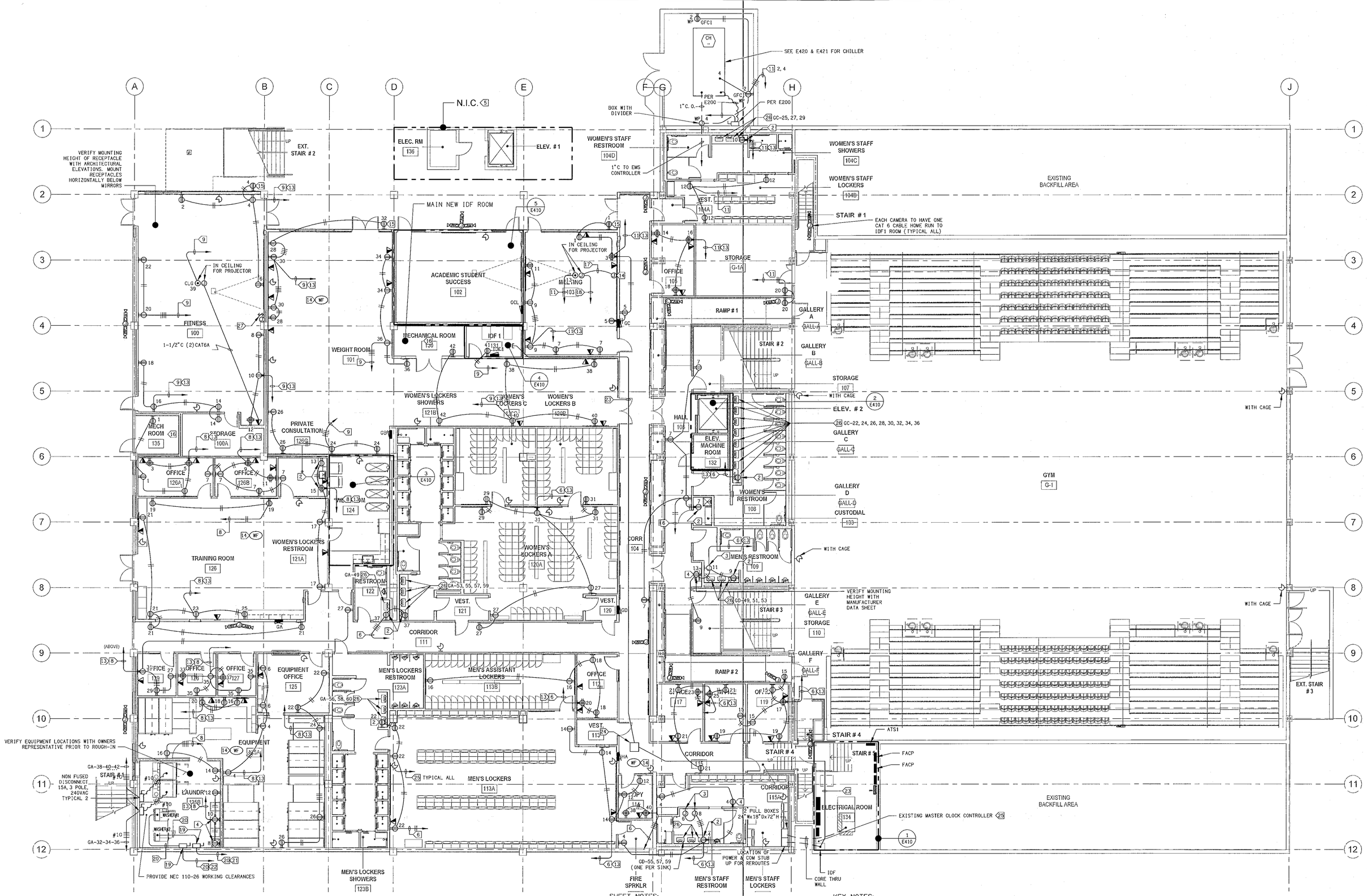
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L.A.I.# 16159 PAPER SIZE 42"x36"

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DRAFTER: Lee Keener DRAWING FILENAME: 16159E401 PATHNAME: G:\16\159\ELL\Sheets\GYM DATE: 22 March 2018 TIME: 5:07 pm



SEE FA PLANS FOR FIRE ALARM AND VOICE EVACUATION

PROVIDE 3/4"C TO EACH INTERIOR AND EXTERIOR DOOR WITH CARD KEY ACCESS FROM IDF1 ROOM - NO RUN LONGER THAN 260 FEET AND PROVIDE PULL BOXES AFTER 270° OF BENDS

SHEET NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN AND FINISH.
2. PROVIDE FLEXIBLE STEEL CONDUIT TO ALL EQUIPMENT WHICH MAY VIBRATE OR MOVE.
3. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
4. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
5. 3/4" CONDUIT MINIMUM U.O.N.
6. PROVIDE CODE SIZE EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
7. PROVIDE CONTROLS FOR MECHANICAL EQUIPMENT PER MECHANICAL DOCUMENTS. VERIFY LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT ON MECHANICAL DOCUMENTS.
8. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
9. VERIFY THE EXACT ROUTING OF ALL EXPOSED CONDUIT WITH OWNER PRIOR TO INSTALLATION.
10. POWER FOR ALL FAUCET & FLUSH VALVES SHALL BE CONNECTED VIA NEAREST LOCAL RECEPTACLE CIRCUIT & CONNECTED PER THE PLUMBING PLANS.

KEY NOTES:

1. NOT USED.
2. +42" AFF GFCI RECEPTACLE.
3. HAND DRYER, PROVIDE CONNECTIONS, MATCH HEIGHT PER ARCHITECTURAL PLANS.
4. GFCI RECEPTACLE.
5. RECONNECT ALL ELEVATOR ELECTRICAL EQUIPMENT AFTER REMODEL IS COMPLETED.
6. HOMERUN TO PANEL GD, CIRCUITS AS NOTED.
7. HOMERUN TO PANEL GAA, CIRCUITS AS NOTED.
8. HOMERUN TO PANEL GA, CIRCUITS AS NOTED.
9. HOMERUN TO PANEL GB, CIRCUITS AS NOTED.
10. HOMERUN TO PANEL GC, CIRCUITS AS NOTED.
11. HOMERUN TO PANEL GC, CIRCUITS AS NOTED.
12. HOMERUN TO PANEL GC, CIRCUITS AS NOTED.
13. 3/4"C-6#10 & 1#10 GND.
14. WIFI, 3/4"C-(2)CAT 6A TO IDF.
15. WP GFCI RECEPTACLE.
16. SEE E421 FOR MECHANICAL SYSTEM CONNECTIONS IN THIS AREA.
17. 1-1/2"C TO TEACHER AREA 4S MUD RING, (2)CAT 6A.
18. 1-1/2"C TO IDF (2 CAT 6A).
19. 100AMP, NON FUSED DISCONNECT 240VAC 3 POLE, SEE E201 FOR FEEDER SIZE..
20. 1-1/4"C - 4#2 & 1#8 GND.
21. TO PANEL GA FOR WASHER #1.
22. TO PANEL GA FOR WASHER #2.
23. (3)2"C FOR COM. ONE CONDUIT WITH 2 SETS 12/6 OPTICAL CABLE, ONE CONDUIT WITH 25 PAIR CAT 5e CABLE. TERMINATE FIBER & COPPER ON BOTH ENDS.
24. 24"x24"x6" PULLBOX IN CEILING, MOUNT PER STRUCTURAL DETAIL 39 ON SO. 20 TO WAFFLE SLAB WITH P2000 UNISTRUT ACROSS BACK OF BOX. TOTAL WEIGHT LESS THAN 70 LBS..
25. PROVIDE 3/4"C - 2#12 & 1#12 GROUND TO EACH CLOCK FROM CLOCK CONTROLLER.
26. PROVIDE ONE 20A, 120VAC GFCI RECEPTACLE FOR EACH SINK FOR SYSTEM.
27. CIRCUIT GB-37 FOR PROJECTOR SCREEN, PROVIDE WALL MOUNTED SWITCH & FEEDER TO SCREEN, PROVIDE 3/4"C & CONTROL CABLE FOR CRESTRON CONTROLS

1/8"=1'-0" 0 4' 8' 16' 24'

FIRST FLOOR - ELECTRICAL POWER & LOW VOLTAGE
SCALE: 1/8"=1'-0"

1 / E401

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ARCHITECT'S STAMP
LICENSED ARCHITECT WILLIAM JOHNE MAJOR C-30349 JANUARY 31, 2017 RENEWAL DATE STATE OF CALIFORNIA

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(805) 530-3938 , (818) 874-4071

CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER MICHAEL H. LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

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	JOB NO: 16-MPC-023

FIRST FLOOR - ELECTRICAL POWER & LOW VOLTAGE

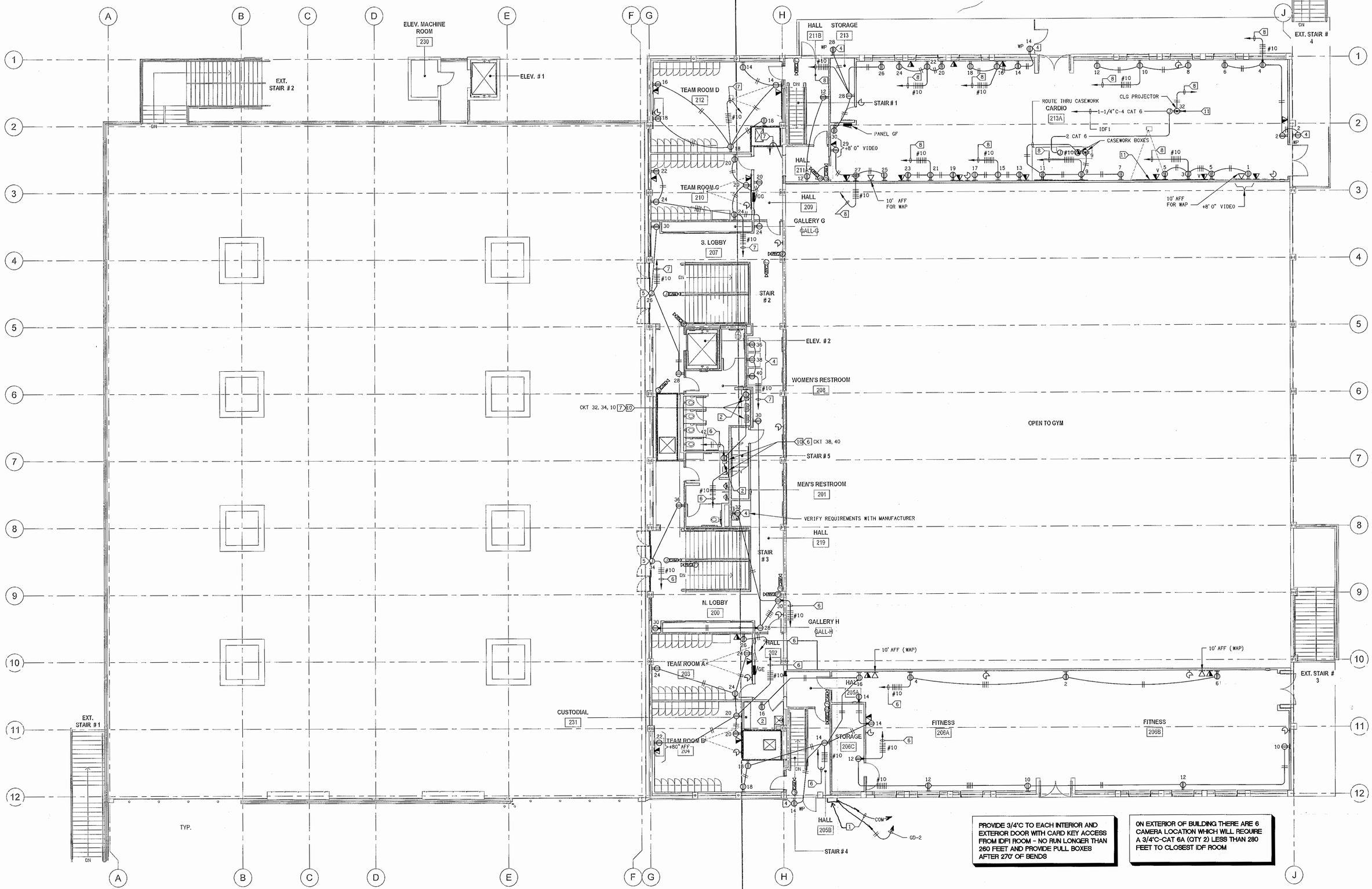
E401 OF

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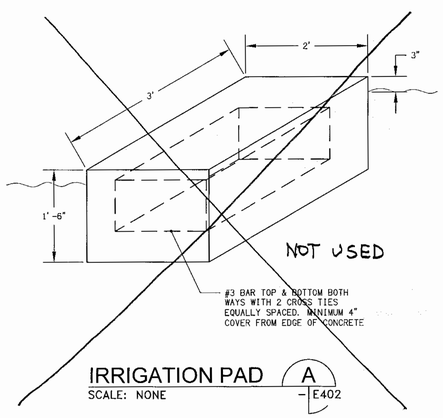
L.A.I.# 16159 - PAPER SIZE 42"x36"

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REFERENCE FILES: Current\A-1 FLOOR - KEY CONSTRUCTION REFERENCE PLAN.dwg
Current\E-1 FLOOR - KEY CONSTRUCTION REFERENCE PLAN.dwg
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PROVIDE 3/4"C TO EACH INTERIOR AND EXTERIOR DOOR WITH CARD KEY ACCESS FROM IDF1 ROOM - NO RUN LONGER THAN 260 FEET AND PROVIDE PULL BOXES AFTER 270' OF BENDS

ON EXTERIOR OF BUILDING THERE ARE 6 CAMERA LOCATION WHICH WILL REQUIRE A 3/4"C-CAT 6A (QTY 2) LESS THAN 280 FEET TO CLOSEST IDF ROOM



IRRIGATION PAD A
SCALE: NONE — E402

KEY NOTES:

1. IRRIGATION CONTROLLER RAINMASTER 48 STATION EVOLUTION DX3 CONTROLLER WITH A STAINLESS STEEL WALL MOUNT CABINET, ETHERNET COMMUNICATION BOARD AND A FLOW BOARD. THE MODEL # IS: DX48-SWM, DX-ETHER, DX-FLOW. THERE IS ALSO A SPECIAL CABLE FOR THE COMMUNICATION THAT NEEDS TO BE USED # IS: EV-CAB-COM.
2. +42" AFF GFCI RECEPTACLE.
3. HAND DRYER, PROVIDE CONNECTIONS, MATCH HEIGHT PER ARCHITECTURAL PLANS.
4. GFCI RECEPTACLE.
5. ELECTRIC DOOR OPERATOR.
6. HOME RUN TO PANEL GE CIRCUITS AS NOTED.
7. HOME RUN TO PANEL GG CIRCUITS AS NOTED.
8. HOME RUN TO PANEL GF CIRCUITS AS NOTED.
9. NOT USED
10. PROVIDE ONE 20A, 120VAC GFCI RECEPTACLE FOR EACH SINK FOR SYSTEM.
11. PROVIDE SCREEN SWITCH & POWER FROM NEAREST RECEPTACLE.

SHEET NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN AND FINISH.
2. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
3. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
4. 3/4" CONDUIT MINIMUM U. O. N.
5. PROVIDE CODE SIZE EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
6. PROVIDE CONTROLS FOR MECHANICAL EQUIPMENT PER MECHANICAL DOCUMENTS. VERIFY LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT ON MECHANICAL DOCUMENTS.
7. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
8. VERIFY THE EXACT ROUTING OF ALL EXPOSED CONDUIT WITH OWNER PRIOR TO INSTALLATION.

1/8"=1'-0" 0 4' 8' 16' 24'

SECOND FLOOR - ELECTRICAL POWER & LOW VOLTAGE 1 — E402
SCALE: 1/8"=1'-0"

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
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DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

ARCHITECT'S STAMP
LICENSED ARCHITECT WILLIAM JOHNE AMADOR C-20346 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

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CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER ROBERT J. LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

SECOND FLOOR - ELECTRICAL POWER & LOW VOLTAGE

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY.

E402 — OF —

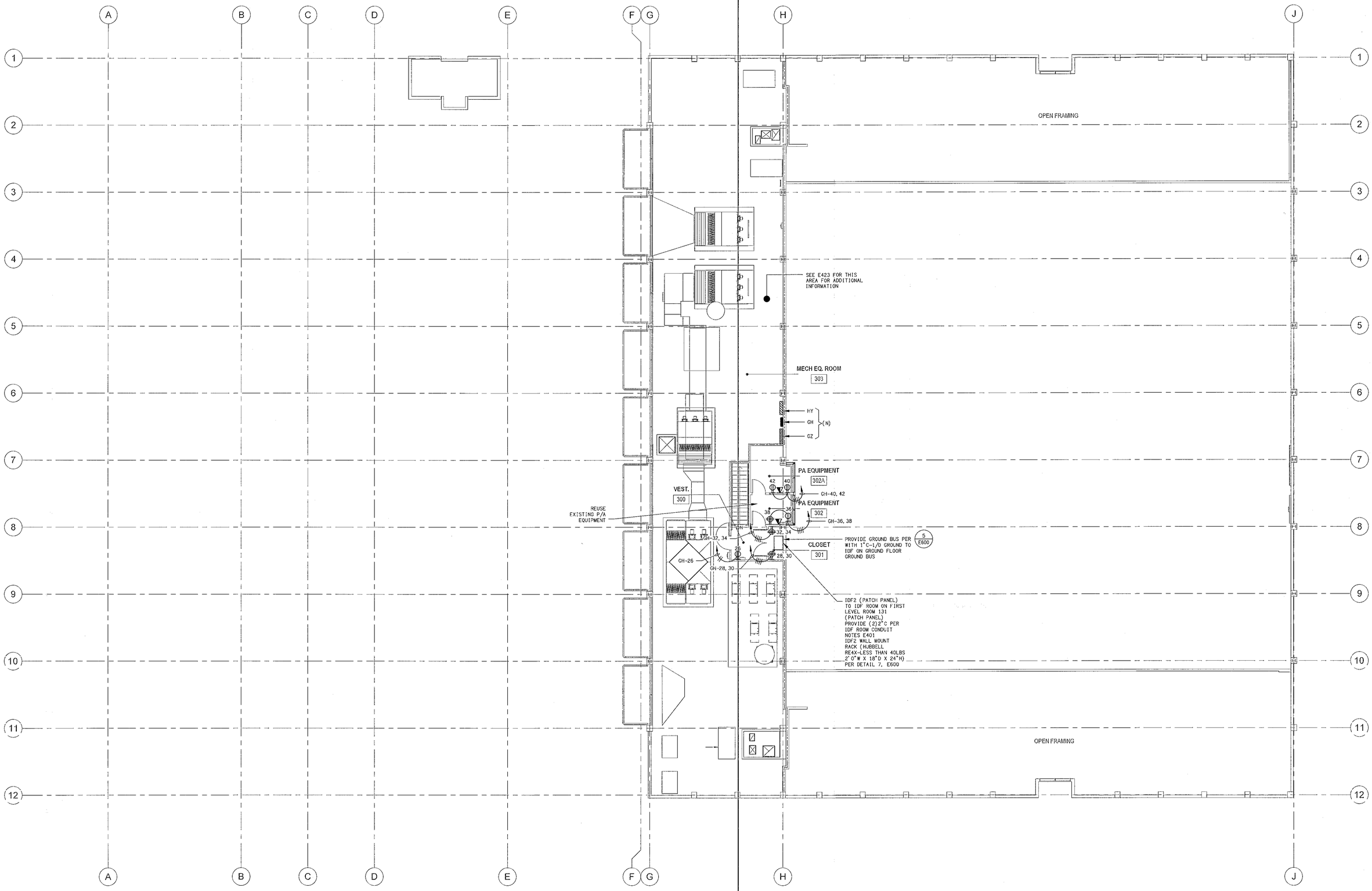
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L.A.I.# 16159 PAPER SIZE 42"x36"

DRAFTER: Lee Keener DRAWING FILENAME: 16159E402 PATHNAME: G:\16\159\EL\Sheets\GYM DATE: 22 March 2018 TIME: 5:07 pm

G:\16\159\EL\Sheets\GYM\16159E402.dwg Mar 22, 2018, 5:07pm Lee Keener

PATHNAME: G:\16\159\ELSheets\GYM DATE: 22 March 2018 TIME: 5:07 pm
DRAFTER: Lee Keener DRAWING FILENAME: 16159E405



PROVIDE CAT 6 CABLE IN 3/4"C TO EACH INTERIOR AND EXTERIOR DOOR WITH CARD KEY ACCESS

1/8"=1'-0" 0 4' 8' 16' 24'

MECHANICAL MEZZANINE - NEW CONSTRUCTION

SCALE: 1/8"=1'-0"

1 / E405

SHEET NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN AND FINISH.
2. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
3. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
4. 3/4" CONDUIT MINIMUM U. O. N.
5. PROVIDE CODE SIZE EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
6. PROVIDE CONTROLS FOR MECHANICAL EQUIPMENT PER MECHANICAL DOCUMENTS. VERIFY LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT ON MECHANICAL DOCUMENTS.
7. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
8. VERIFY THE EXACT ROUTING OF ALL EXPOSED CONDUIT WITH OWNER PRIOR TO INSTALLATION.

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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-16

AMADOR WHITTLE ARCHITECTS, INC.
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ARCHITECT'S STAMP
LICENSED ARCHITECT C-20348 JANUARY 31, 2017 RENEWAL DATE STATE OF CALIFORNIA

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REGISTERED PROFESSIONAL ENGINEER RICHARD K. LUCCI No. E 8410 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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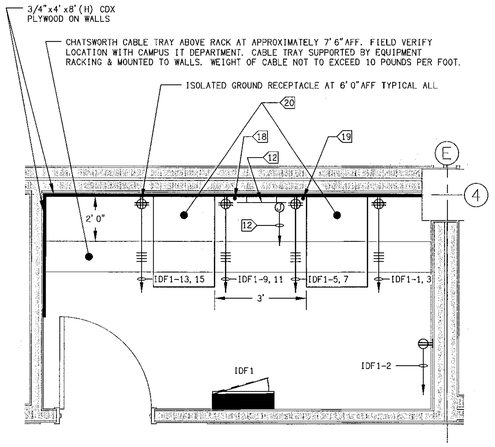
REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

MECHANICAL MEZZANINE - NEW CONSTRUCTION
IF THIS SHEET IS NOT 30" X 42" IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

E405

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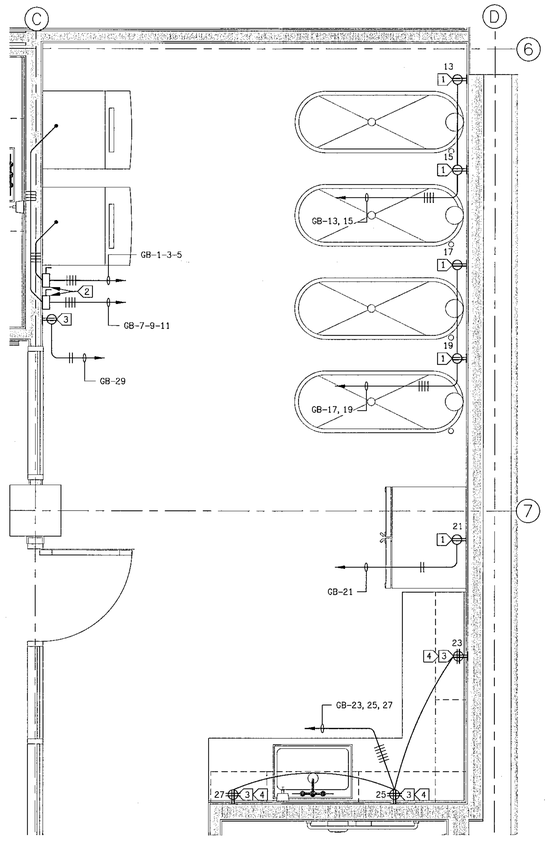
L.A.I.# 16159 PAPER SIZE 42"x36"



FIRST FLOOR - IDF 1 ROOM #131 — 4 / E410

SCALE: 1/2"=1'-0"

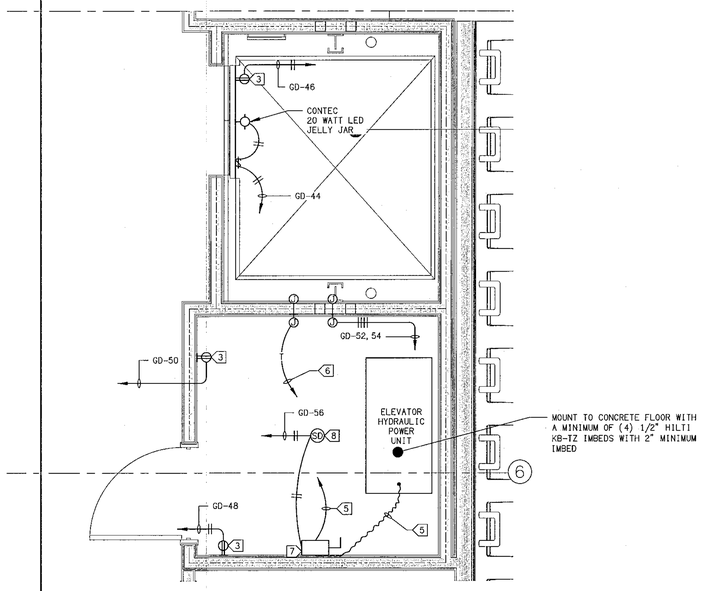
1/2"=1'-0" 0 1' 2' 4' 6'



FIRST FLOOR - WET ROOM #124 — 3 / E410

SCALE: 1/2"=1'-0"

1/2"=1'-0" 0 1' 2' 4' 6'



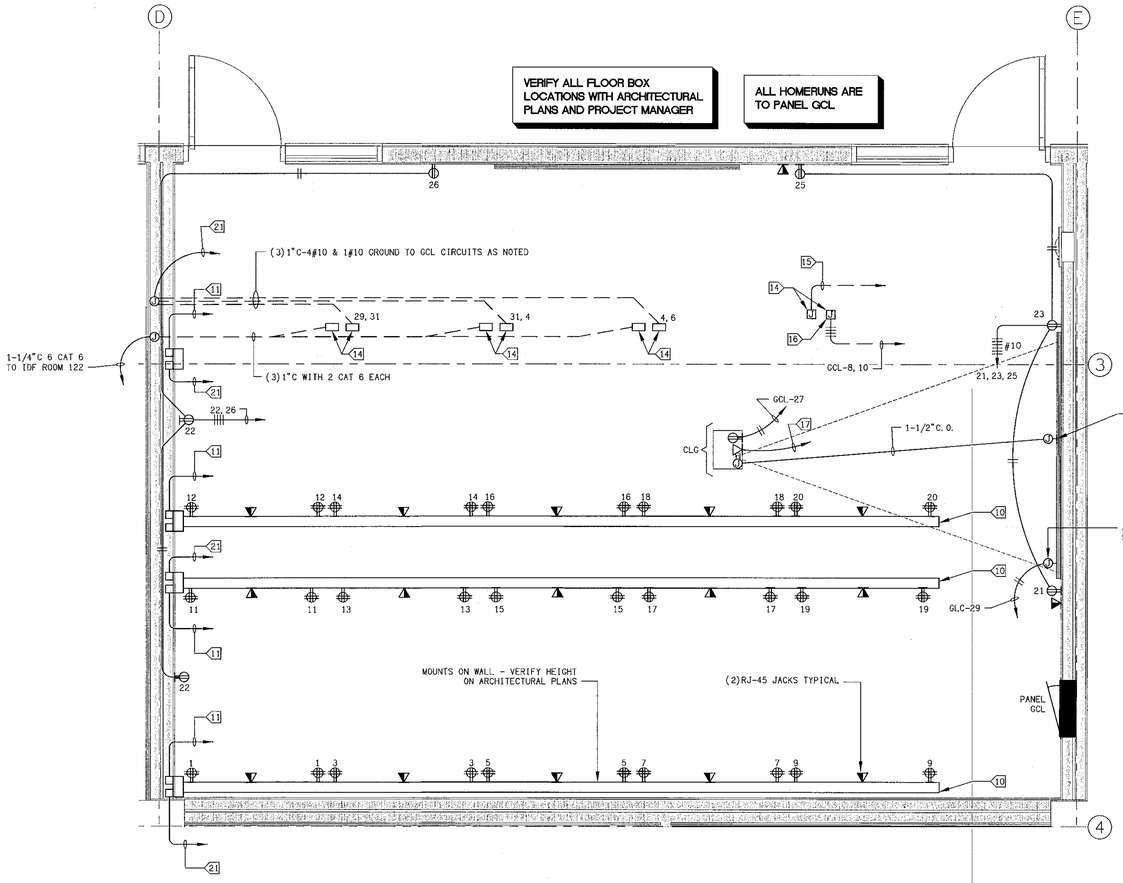
FIRST FLOOR - ELEVATOR MACHINE ROOM #132 — 2 / E410

SCALE: 1/2"=1'-0"

1/2"=1'-0" 0 1' 2' 4' 6'

KEY NOTES:

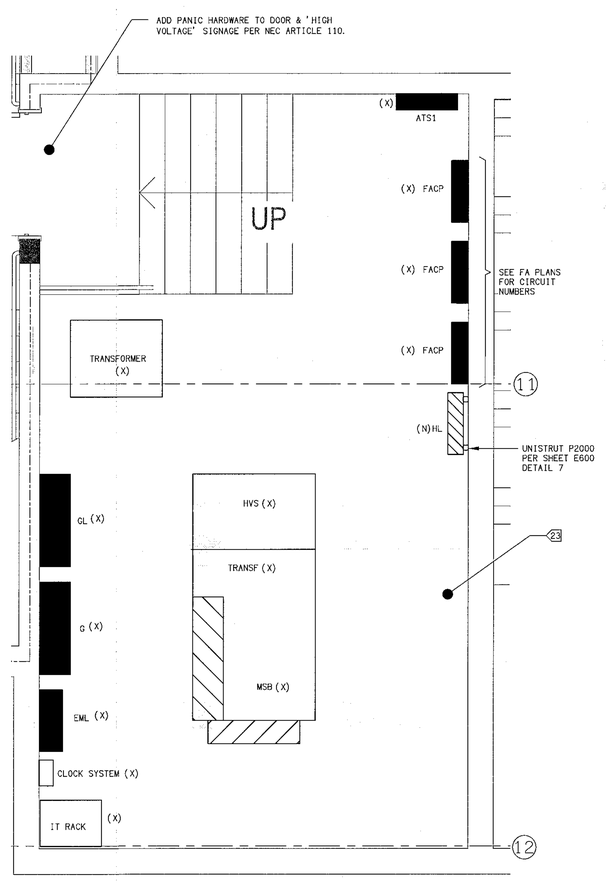
1. HOSPITAL GRADE RECEPTACLE WITH GROUND FAULT PROTECTION, MOUNT AT 42"AFF.
2. NON FUSED DISCONNECT, 240VAC, 2 POLE, 15A.
3. GFCI RECEPTACLE.
4. MOUNT 8" ABOVE COUNTER.
5. PER E201.
6. DEDICATED PHONE LINE.
7. FUSED DISCONNECT SWITCH PER E201 WITH AUXILIARY CONTACTS.
8. SMOKE DETECTOR WITH AUXILIARY CONTACTS.
9. TO SHUNT TRIP ELEVATOR BREAKER.
10. WIREMOLD G4000 RUN BELOW DESK, END FEED AS NOTED FOR POWER & DATA.
11. (10)CAT 6A TO IDF ROOM 122.
12. GROUND BUS MOUNTED AT 7'0"AFF PER DETAIL 5 E600 (#1/0 GROUND TO GL IN 1"C).
13. 1"C.O. TO IDF.
14. HUBBELL SERIES ONE FLOOR BOX, DEDICATE ONE FOR POWER & ONE FOR COM (WITH RJ-45 JACKS), CONTRACTOR TO VERIFY FLOOR BOX LOCATION WITH OWNERS REPRESENTATIVE.
15. 1-1/4"C-(4)CAT 6A TO IDF ROOM & 1"C- (2)CAT 6A TO PROJECTOR.
16. DOUBLE DUPLEX IN FLOOR BOX (HUBBEL SYSTEM ONE)
17. 1-1/4"C-(2)CAT 6A TO IDF ROOM 122.
18. (3)2"C TO ELECTRICAL ROOM IDF
    - (1)2"C-25 PAIR OSP PE89
    - (1)2"C-12/6 OPTICAL FIBER WITH CONNECTORS
    - (1)2"C - SPARE
19. (2)2"C TO MEZZANINE IDF
    - (1)2"C-12/6 OPTICAL FIBER TO MEZ IDF
    - (1)2"C-(10) PAIR OSP PE89 TO MEZ IDF
20. POST RACKS WITH DISTRIBUTION & CABLE MANAGEMENT - QTY 2 BY CONTRACTOR, CONTRACTOR TO PROVIDE (2) 50 PAIR PUNCH DOWN TERMINALS & (2) 24 PORT FIBER TO COPPER CONVERTERS. MOUNT TO FLOOR WITH SUPPORT FOR EACH POST RACK REQUIREMENTS (SEE E604 FOR INFORMATION AND CALCULATIONS)
21. 1-1/4"C - 10#10 & 2#10 GND TO PANEL GCL. CIRCUITS AS NOTED
22. ROUTE 1-1/2"C FROM PROJECTOR AREA TO 24"AFF, 3 GANG OPENING WITH COVER PLATE. CONDUIT SHALL HAVE LONG SWEEPS AND BUSHINGS (AND PULL STRING) AT BOTH ENDS. CONDUIT AT 24"AFF BOX SHALL BE EVEN TO THE TOP OF THE OPENING.
23. EXISTING EQUIPMENT TO REMAIN. F.A. SYSTEM TO REMAIN ACTIVE FOR AREAS OF THE PROJECT WHICH ARE TO BE IN USE DURING CONSTRUCTION. REPLACEMENT FA SYSTEM IS SHOWN ON FA PLANS.



FIRST FLOOR - ACADEMIC STUDENT #102 — 5 / E410

SCALE: 1/2"=1'-0"

1/2"=1'-0" 0 1' 2' 4' 6'



FIRST FLOOR - ELECTRICAL ROOM #134 — 1 / E410

SCALE: 1/2"=1'-0"

1/2"=1'-0" 0 1' 2' 4' 6'

CONSULTANT

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DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC — FLS TH SS —
DATE 06-19-18

ARCHITECT'S STAMP
WILLIAM RAY AMADOR — LICENSED ARCHITECT — No. C-20345 — JANUARY 31, 2019 — STATE OF CALIFORNIA

CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER — No. E 8540 — Exp. 09/30/2018 — ELECTRICAL — STATE OF CALIFORNIA

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MOORPARK COLLEGE GYMNASIUM RENOVATION

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

FIRST FLOOR - ELECTRICAL POWER & LOW VOLTAGE

IF THIS SHEET IS NOT 36"X24", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

E410

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L.A.I.# 16159 PAPER SIZE 42"x36"

DRAFTER: Lee Keener DRAWING FILENAME: 16159E410 PATHNAME: G:\16\16159\ELS\Sheets\GYM DATE: 22 March 2018 TIME: 5:07 pm

Plot Device Name: Paper Size: ARCH E1 36.00in x 24.00in (Landscape) Plot Area: 36.00in x 24.00in Plot Offset: 0.00in, 0.00in (Centered) Plot Scale: 1.00 = 1.00in Plot Style Table: ARCHITECTURAL-MONOCHROME.ctb Plot Date/Time: Mar 22, 2018, 5:01pm Last Saved By: Lee Keener

G:\16\16159\ELS\Sheets\GYM\16159E410.dwg Mar 22, 2018, 5:01pm Lee Keener

ELECTRICAL SCHEDULE FOR MECHANICAL EQUIPMENT

TAG	DESCRIPTION	H.P.	FLA	MCA	VOLTAGE	PHASE	NEMA STARTER SIZE	DISCONNECT	RECOMMENDED FUSE SIZE/TYPE *	REMARKS	PANEL/CIRCUIT NO.	FEEDER
AHU 1	AIR HANDLING UNIT #1A (OUTSIDE AIR)	30	.	47	460	3	VFD	60A/3P	60	110V 20 AMP FOR CONTROLS (CIRCUIT GH-2), SINGLE POINT POWER, 110V 20 AMP FOR LIGHTS (CIRCUIT-GH-4)	HY-2-4-6	1"C - 3#6 & 1#10 GND
AHU 1	AIR HANDLING UNIT #1B (EXHAUST)	30		47	460	3	VFD	60A/3P	60	110V 20 AMP FOR CONTROLS (CIRCUIT GH-6), SINGLE POINT POWER, 110V 20 AMP FOR LIGHTS (CIRCUIT-GH-8)	HY-8-10-12	1"C - 3#6 & 1#10 GND
AHU 2	AIR HANDLING UNIT #2 (GYM)	30		47	460	3	VFD	60A/3P	60	110V 20 AMP FOR CONTROLS (CIRCUIT GH-37), SINGLE POINT POWER, CONTROLS GH-39 110V 20 AMP FOR LIGHTS (CIRCUIT-GH-41)	HY-14-16-18	1"C - 3#6 & 1#10 GND
AHU 3	AIR HANDLING UNIT #3 (GYM)	30		47	460	3	VFD	60A/3P	60	110V 20 AMP FOR CONTROLS (CIRCUIT GH-43), SINGLE POINT POWER, CONTROLS GH-45 110V 20 AMP FOR LIGHTS (CIRCUIT-GH-47)	HY-20-22-24	1"C - 3#6 & 1#10 GND
AHU 4	AIR HANDLING UNIT #4 (MAKE UP AIR)	20		32	460	3	VFD	60A/3P	40	110V 20 AMP FOR CONTROLS (CIRCUIT GH-49), SINGLE POINT POWER, CONTROLS GH-51, 110V 20 AMP FOR LIGHTS (CIRCUIT GH-53)	HY-26-28-30	1"C - 3#6 & 1#10 GND
BH 1A	BOILER HEATER #1A	1/2	5	12	110	1		MOTOR RATED SWITCH	NONE		GH-1	3/4"C - 2#12 & 1#12 GND
BH 1B	BOILER HEATER #1B	1/2	5	12	110	1		MOTOR RATED SWITCH	NONE		GH-3	3/4"C - 2#12 & 1#12 GND
BH 1C	BOILER HEATER #1C	1/2	5	12	110	1		MOTOR RATED SWITCH	NONE		GH-5	3/4"C - 2#12 & 1#12 GND
BP 1	BOILER PUMP 1	3/4	7	15	120	1		15A/3P	10A		GH-7	3/4"C - 2#12 & 1#12 GND
BP 2	BOILER PUMP 2	3/4	7	15	120	1		15A/3P	10A		GH-9	3/4"C - 2#12 & 1#12 GND
BP 3	BOILER PUMP 3	3/4	7	15	120	1		15A/3P	10A		GH-11	3/4"C - 2#12 & 1#12 GND
CH 1	CHILLER		372	400	480	3	VFD	400A/3P	400A		PER E201	4"C - 3#600MCM & 1#2 GND
FC 1	FAN COIL #1	2	2.75	15	460	3		15A/3P	5A		HY-37-39-41	3/4"C - 3#12 & 1#12 GND
FC 2	FAN COIL #2	5	7.91	15	460	3		15A/3P	400A		HY-1-3-5	3/4"C - 3#12 & 1#12 GND
FC 3	FAN COIL #3	1.5	2.75	15	460	3		15A/3P	5A		HY-7-9-11	3/4"C - 3#12 & 1#12 GND
FC 4	FAN COIL #4	1	1.89	15	460	3		15A/3P	5A		HY-13-15-17	3/4"C - 3#12 & 1#12 GND
FC 5	FAN COIL #5	2	2.75	15	460	3		15A/3P	5A		HY-19-21-23	3/4"C - 3#12 & 1#12 GND
FC 6	FAN COIL #6	1.5	2.75	15	460	3		15A/3P	5A		HY-43-45-47	3/4"C - 3#12 & 1#12 GND
FC 7	FAN COIL #7	3	5.2	15	460	3		15A/3P	10A		HY-49-51-53	3/4"C - 3#12 & 1#12 GND
FC 8	FAN COIL #8	1	1.0	15	460	3		15A/3P	4A		HY-55-57-59	3/4"C - 3#12 & 1#12 GND
FC 9	FAN COIL #9	1	1.51	15	208	3		15A/3P	4A		EML-19, 21, 23	3/4"C - 3#12 & 1#12 GND
P 1A	PUMP 1A	10	14	20	460	3	VFD	30A/3P	20A		HY-25, 27, 29	3/4"C - 3#10 & 1#10 GND
P 1B	PUMP 1B	10	14	20	460	3	VFD	30A/3P	20A		HY-31, 33, 35	3/4"C - 3#10 & 1#10 GND
P 2A	PUMP 2A	5	8	15	460	3	VFD	15A/3P	15A		HY-32, 34, 36	3/4"C - 3#12 & 1#12 GND
P 2B	PUMP 2B	5	8	15	460	3	VFD	15A/3P	15A		HY-38, 40, 42	3/4"C - 3#12 & 1#12 GND
P 1	PUMP 1 (HOT WATER) PER P1.00	3/4	7	15	208	1		15A/3P	10A		GH-15-17	3/4"C - 2#12 & 1#12 GND
CP 1	CIRC PUMP PER P1.00		.	2	120	1		SWITCH	NONE		GH-54-30	3/4"C - 2#12 & 1#12 GND
SS 1	SPLIT SYSTEM		19	25	208	1		30A/2P	25A	CONNECT TO FAN COIL PER MANUFACTURER (3/4"C-3#10)	GH-19-21	3/4"C - 3#10 & 1#10 GND
CC 1	COOLING COIL #1 (RM 128)		0.4	15	208	1		15A/2P	2A		GA-39-41	3/4"C - 2#12 & 1#12 GND
CC 2	COOLING COIL #2 (RM 127)		0.4	15	208	1		15A/2P	2A			3/4"C - 2#12 & 1#12 GND
CC 3	COOLING COIL #3 (RM 126A)		0.4	15	208	1		15A/2P	2A			3/4"C - 2#12 & 1#12 GND
CC 4	COOLING COIL #4 (RM 126B)		0.4	15	208	1		15A/2P	2A			3/4"C - 2#12 & 1#12 GND
CC 5	COOLING COIL #5 (RM 126C)		0.4	15	208	1		15A/2P	2A			3/4"C - 2#12 & 1#12 GND
CC 6	COOLING COIL #6 (RM 112)		0.4	15	208	1		15A/2P	2A		GA-28-30	3/4"C - 2#12 & 1#12 GND
CC 7	COOLING COIL #7 (RM 117)		0.4	15	208	1		15A/2P	2A			3/4"C - 2#12 & 1#12 GND
CC 8	COOLING COIL #8 (RM 118)		0.4	15	208	1		15A/2P	2A			3/4"C - 2#12 & 1#12 GND
CC 9	COOLING COIL #9 (RM 119)		0.4	15	208	1		15A/2P	2A			3/4"C - 2#12 & 1#12 GND
CC 10	COOLING COIL #10 (RM 105)		0.4	15	208	1		15A/2P	2A		GD-30-32	3/4"C - 2#12 & 1#12 GND
P 1	PUMP 1 (HOT WATER)	3/4	7	15	208	1		15A/3P	10A		GH-15-17	3/4"C - 2#12 & 1#12 GND
SF 1	SUPPLY FAN (BOOTH)	1/6		15	120	1		SWITCH	NONE		GH-23	3/4"C - 2#12 & 1#12 GND
BP 1A	BOILER PUMP DOMESTIC 1A	3/4	5		208	1		15A/2P	10A		GH-25-27	3/4"C - 2#12 & 1#12 GND
BP 1B	BOILER PUMP DOMESTIC 1B	3/4	5		208	1		15A/2P	10A		GH-29-31	3/4"C - 2#12 & 1#12 GND
BD 1A	BOILER DOMESTIC 1A		5		120	1		SWITCH	NONE		GH-33	3/4"C - 2#12 & 1#12 GND
BD 1B	BOILER DOMESTIC 1B		5		120	1		SWITCH	NONE		GH-35	3/4"C - 2#12 & 1#12 GND
CP 1	CIRCULATION PUMP		1		120	1		SWITCH	NONE		GH-54	3/4"C - 2#12 & 1#12 GND

ALL WITH DUCT DETECTORS & FA SHUT DOWN PER FA PLANS

* ALL FUSES BY BUSSMANN AND SHALL BE SIZED PER MANUFACTURERS RECOMMENDATION.

PROVIDE VFD RATED CABLE FOR EACH PIECE OF EQUIPMENT WITH VFD DRIVE.

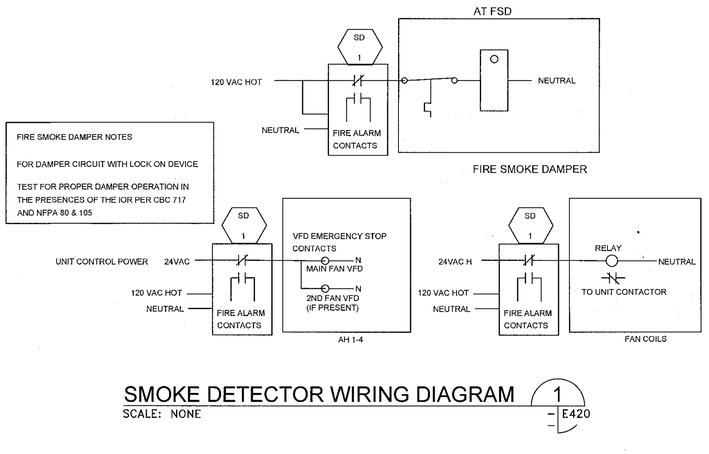
SEE FA PLANS FOR LOCATIONS, CIRCUITING & DETAILS

FIRE LIFE SAFETY DEVICES

FSD 1	FIRE SMOKE DAMPER RECTANGULAR 2 HOUR 120VAC FSD-141
FSD 2	FIRE SMOKE DAMPER OUT OF PARTITION RECTANGULAR 2 HOUR 120VAC FSD-141
SD 1	DUCT SMOKE DETECTOR FOR AH>2000CFM FOR AH SHUTDOWN & SMOKE DAMPER ACTIVATION, COMPATIBLE WITH & CONNECT TO F.A. SYSTEM

FIRE LIFE SAFETY DEVICES

FSD 1	FIRE SMOKE DAMPER, RECTANGULAR 1-1/2 HOUR POTTORFF MODEL FSD 141. 120VAC BELIMO SPRING CLOSED UL LISTED ACTUATOR LEAKAGE CLASS 1. MAX. 2000 FPM @ 4" WC
FSD 2	FIRE SMOKE DAMPER, OUT OF PARTITION RECTANGULAR 2 HOUR POTTORFF MODEL FSD 141-OP, 120VAC BELIMO SPRING CLOSED UL LISTED ACTUATOR LEAKAGE CLASS 1. MAX. 2000 FPM @ 4" WC
SD 1	DUCT SMOKE DETECTOR, FOR AIR HANDLER SHUTDOWN (>2000 CFM) AND FIRE SMOKE DAMPER ACTUATION. COMPATIBLE WITH FIRE ALARM. CONNECT TO FIRE ALARM AND WIRE FOR UNIT SHUTDOWN



SMOKE DETECTOR WIRING DIAGRAM

SCALE: NONE

1 / E420

SHEET NOTES:

1. FIELD VERIFY MECHANICAL EQUIPMENT LOCATIONS.
2. SEE ELECTRICAL SCHEDULE FOR MECHANICAL EQUIPMENT FOR ELECTRICAL REQUIREMENTS.
3. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES.
4. THE LOCATION OF ALL ROOF PENETRATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS.
5. PROVIDE ROOF JACKS AND PROPERLY SEAL ALL ROOF PENETRATIONS TO A LEAK FREE CONDITION.
6. THE FINAL CONNECTIONS TO EQUIPMENT SHALL BE LIQUIDTIGHT FLEXIBLE METAL CONDUIT. INSTALL WITH ENOUGH SLACK TO PRECLUDE VIBRATION TRANSMISSION. SUPPORT SHALL BE PER N.E.C. ARTICLE 351-8
7. PROVIDE WEATHERPROOF AND EXTERIOR RATED DEVICES IN ALL EXTERIOR AREAS.
8. PROVIDE ALL DEVICES AS REQUIRED ON MECHANICAL CONTRACTOR SHOP DRAWINGS AND APPROVED SUBMITTALS.
9. NO CONDUIT/FEEDER SHALL BE PERMITTED ON THE ROOF WITH CRIPPLES, ALL FEEDERS SHALL BE RUN BENEATH THE ROOF.
10. ALL DISCONNECTS SHALL BE MOUNTED ON UNISTRUT ON AH UNIT.
11. CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL ELECTRICAL DEVICES PRIOR TO BID, ROUGH-IN & INSTALLATION.
12. CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWING. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
13. EACH DISCONNECT OR STARTER AND A SPARE SET OF FUSES SHALL BE CONTRACTOR PROVIDED.

KEY NOTES:

1. FOR FEEDER AND DISCONNECT INFORMATION SEE ELECTRICAL SCHEDULE FOR MECHANICAL EQUIPMENT THIS SHEET.
2. PROVIDE 3/4"C & CONTROLS PER MECHANICAL.
3. W.P. GFCI.

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MOORPARK, CA 93021

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	CHECK: K.L.
	JOB NO: 16-MPC-023

ELECTRICAL SCHEDULE FOR MECHANICAL EQUIPMENT

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E420 — OF —

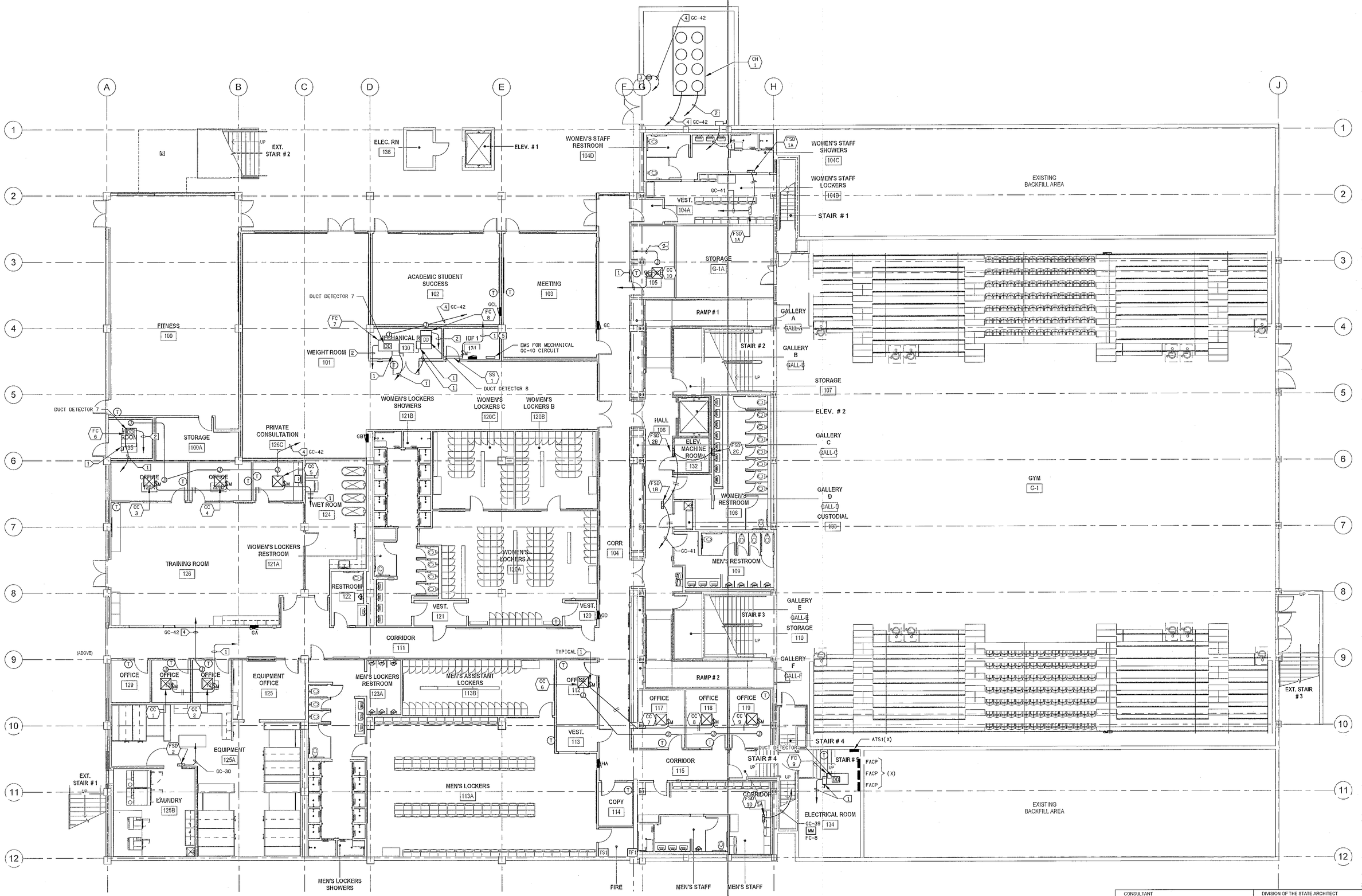
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G:\16\159\ELSheets\GYM\16159E420.dwg Mar 22, 2018, 5:07pm Lee Keener

DRAFTER: Lee Keener DRAWING FILENAME: 16159E421 PATHNAME: G:\16\1559\ELI\Sheets\GYM DATE: 22 March 2018 TIME: 5:07 pm



SEE FIRE ALARM PLANS (FA SERIES) FOR LOW VOLTAGE CONNECTION

CONTRACTOR TO PROVIDE ALL LOW VOLTAGE CONDUIT AND BOXES AS SHOWN ON MECHANICAL PLANS AND AS REQUIRED TO PROVIDE AN OPERATIONAL CONTROL SYSTEM. CONTRACTOR TO PROVIDE 120VAC POWER TO CONTROLLER FROM NEAREST POWER PANEL SPARE CIRCUITS.

SHEET NOTES:

1. FIELD VERIFY MECHANICAL EQUIPMENT LOCATIONS.
2. SEE ELECTRICAL SCHEDULE FOR MECHANICAL EQUIPMENT FOR ELECTRICAL REQUIREMENTS.
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KEY NOTES:

1. FOR FEEDER AND DISCONNECT INFORMATION SEE ELECTRICAL SCHEDULE FOR MECHANICAL EQUIPMENT E420.
2. PROVIDE 3/4"C & CONTROLS PER MECHANICAL DRAWINGS.
3. W.P. GFCI.
4. PROVIDE 120VAC FOR CONTROLS.
5. INDOOR UNIT RECEIVES POWER FROM OUTDOOR UNIT (MEZZANINE).

1/8"=1'-0" 0 4' 8' 16' 24'

FIRST FLOOR - MECHANICAL EQUIPMENT PLAN

SCALE: 1/8"=1'-0"

1 / E421

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MOORPARK, CA 93021

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FIRST FLOOR - MECHANICAL EQUIPMENT PLAN

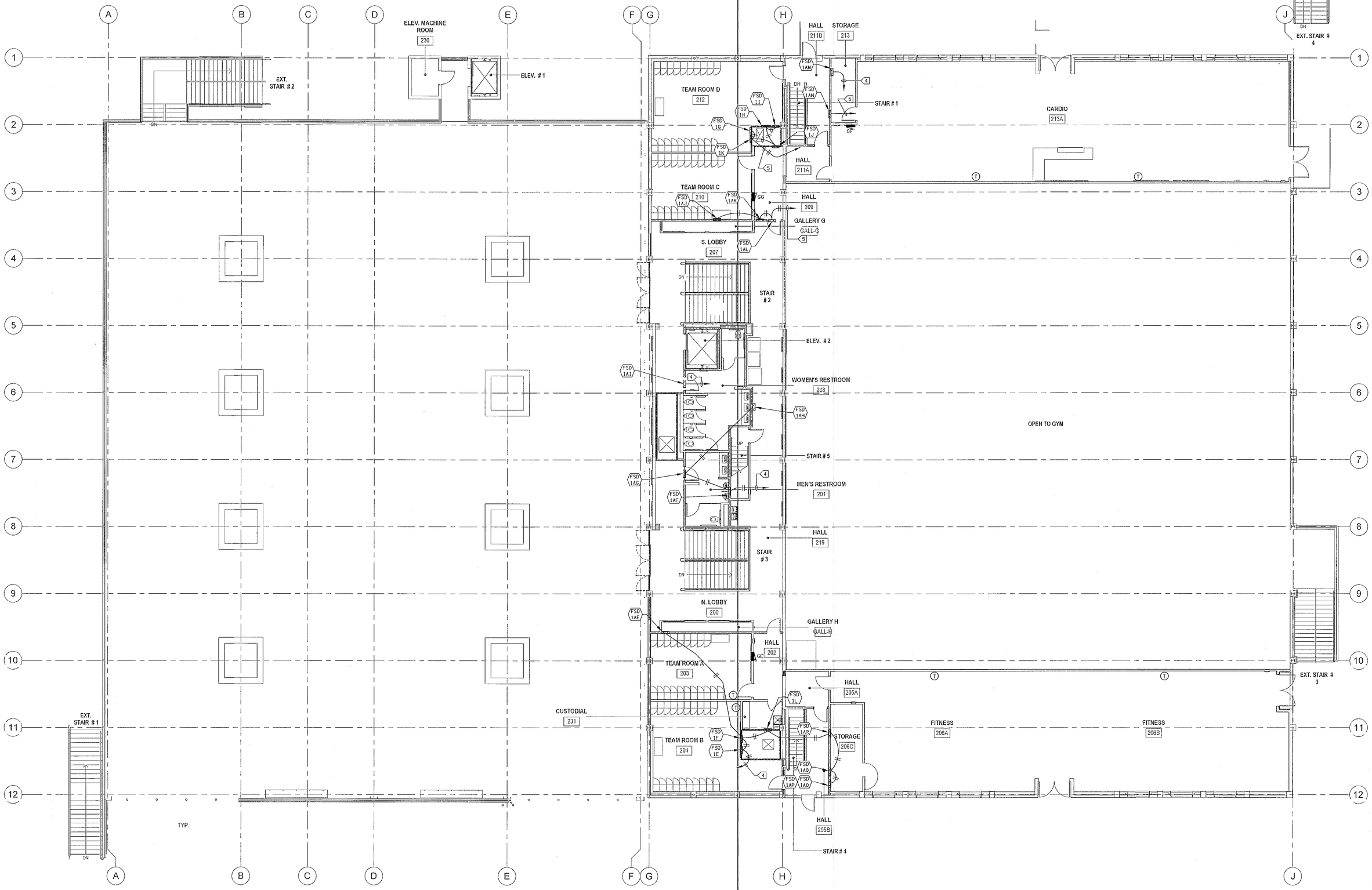
E421

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SEE FIRE ALARM PLANS (FA SERIES) FOR LOW VOLTAGE CONNECTION

CONTRACTOR TO PROVIDE ALL LOW VOLTAGE CONDUIT AND BOXES AS SHOWN ON MECHANICAL PLANS AND AS REQUIRED TO PROVIDE AN OPERATIONAL CONTROL SYSTEM. CONTRACTOR TO PROVIDE 120VAC POWER TO CONTROLLER FROM NEAREST POWER PANEL SPARE CIRCUITS.

SHEET NOTES:

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KEY NOTES:

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2. PROVIDE 3/4"C & CONTROLS PER MECHANICAL.
3. W.P. GFCI.
4. GC-35.
5. GC-37.

1/8"=1'-0" 0 4' 8' 16' 24'

SECOND FLOOR - MECHANICAL EQUIPMENT PLAN
SCALE: 1/8"=1'-0"

1 / E422

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MOORPARK, CA 93021

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SECOND FLOOR - MECHANICAL EQUIPMENT PLAN

E422

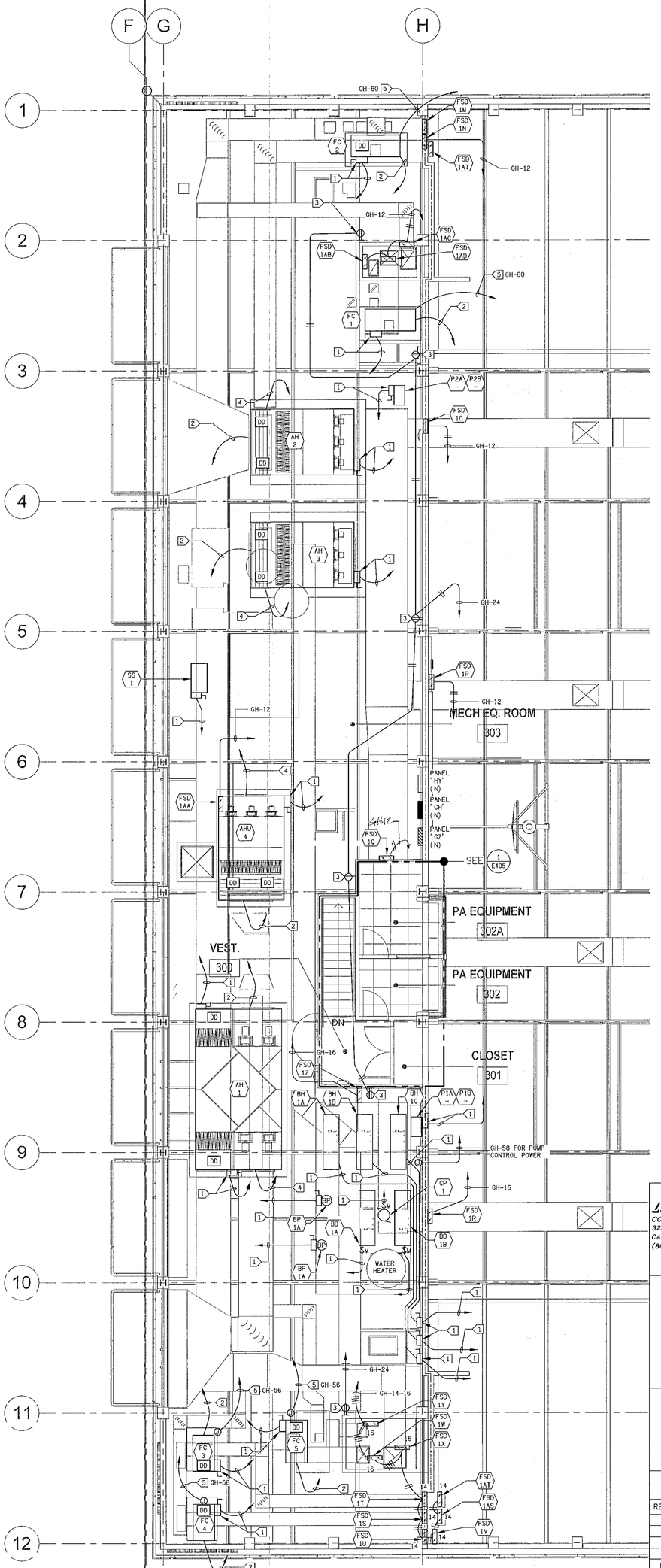
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SHEET NOTES:

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KEY NOTES:

<1> FOR FEEDER AND DISCONNECT INFORMATION SEE ELECTRICAL SCHEDULE FOR MECHANICAL EQUIPMENT E420.

<2> PROVIDE 3/4"C & CONTROLS PER MECHANICAL PLANS.

<3> GFCI. RECEPTACLE.

<4> 120VAC CONNECTION PER MECHANICAL PLANS & E420 SCHEDULE.

<5> CONTROL POWER (120VAC)

PROVIDE 36" WIDE BY 6'-8" CLEARANCE IN FRONT OF ALL VFDS, DISCONNECTS, ETC FOR WORKING AREAS AND 30" WIDE BY 6'-8" HEIGHT CLEAR ACCESS TO THESE SPACES

CONTRACTOR TO PROVIDE ALL LOW VOLTAGE CONDUIT AND BOXES AS SHOWN ON MECHANICAL PLANS AND AS REQUIRED TO PROVIDE AN OPERATIONAL CONTROL SYSTEM. CONTRACTOR TO PROVIDE 120VAC POWER TO CONTROLLER FROM NEAREST POWER PANEL SPARE CIRCUITS.

SEE FIRE ALARM PLANS (FA SERIES) FOR LOW VOLTAGE CONNECTION

3/16" = 1'-0"
0 1' 4' 8' 12'

MEZZANINE - MECHANICAL EQUIPMENT PLAN
SCALE: 3/16"=1'-0"

1 / E423

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REGISTERED PROFESSIONAL ENGINEER KEVIN L. LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

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	JOB NO: 16-MPC-023

MEZZANINE - MECHANICAL EQUIPMENT PLAN

E423

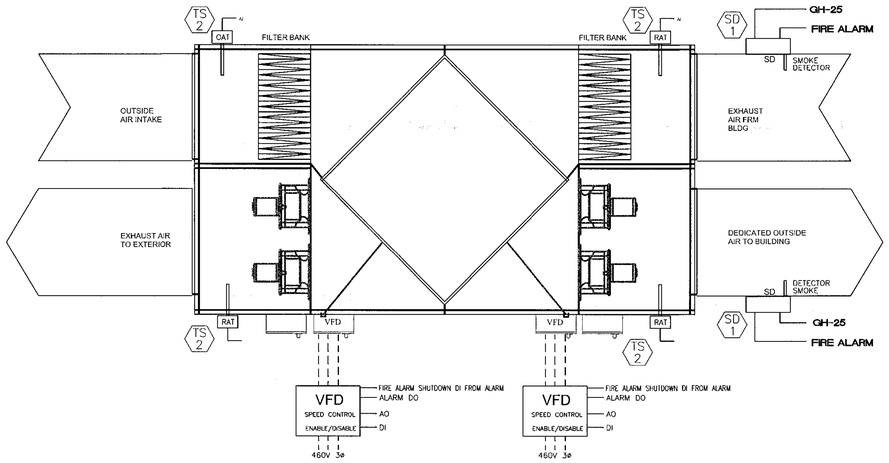
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AHU 1 CONTROL DETAIL

CONTROL POINTS (show on graphics)

AH-1 — CM 1

INPUTS
DEDICATED OUTSIDE AIR TEMP AFTER HEAT EXCHANGER
DEDICATED OUTSIDE AIR TEMP BEFORE HEAT EXCHANGER
EXHAUST AIR FROM BUILDING
EXHAUST AIR TO EXTERIOR
VFD ALARM (EXHAUST)
VFD ALARM (OUTSIDE AIR)
FIRE ALARM SHUTDOWN (EMERGENCY STOP CONTACTS AT VFD 1)
FIRE ALARM SHUTDOWN (EMERGENCY STOP CONTACTS AT VFD 2)
PRESSURE SENSOR # 1 LOCATE AT AH-3

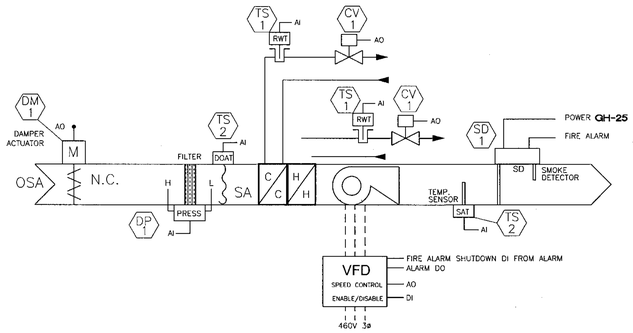
OUTPUTS
VFD 1 ENABLE
VFD 1 SPEED
VFD 2 ENABLE
VFD 2 SPEED

CHILLER — CM 2

INPUTS
BACNET MODULE FROM CHILLER
KILOWATTS
HEAD PRESSURE
PERCENTAGE OF FULL LOAD
CHILLER ALARM

SUPPLY H20 TEMP
RETURN H20 TEMP
PUMP 1 ALARM
PUMP 2 ALARM
DIFF. PRESSURE AT AH-2
DIFF. PRESSURE AT FC-6 (VIA FC-6 MODULE)

OUTPUTS
CHILLER ONE ENABLE
CHILLER TEMP RESET
PUMP ONE ENABLE
PUMP ONE SPEED
PUMP TWO ENABLE
PUMP TWO SPEED
CHILLER TEMP RESET THROUGH BACNET



AHU 4 CONTROL DETAIL

CONTROL POINTS (show on graphics)

AH 1 — CM 1

INPUTS
SUPPLY AIR TEMP
OUTSIDE AIR FROM AH-1
CHILLED WATER RETURN TEMP
HOT WATER RETURN TEMP
VFD ALARM - FAN
SUPPLY DUCT PRESSURE SENSOR
SPACE PRESSURE SENSOR - LOCATE AT FC-6
SPACE PRESSURE SENSOR - LOCATE ON DUCT ABOVE ROOM 112
AIR FLOW MONITORING STATION - OUTSIDE AIR
AIR FLOW MONITORING STATION - EXHAUST AIR

OUTPUTS
VFD 1 ENABLE
VFD 1 SPEED
CHILLED WATER VALVE
HOT WATER VALVE

BOILER — CM 2

INPUTS
BACNET INTERFACE WITH BOILER CONTROLLER
SUPPLY WATER TEMP
RETURN WATER TEMP
PUMP P1 STATUS
PUMP P2 STATUS

OUTPUTS
BACNET INTERFACE WITH BOILER CONTROLLER
SYSTEM ENABLE
SUPPLY WATER TEMP RESET
PUMP ONE ENABLE
PUMP ONE SPEED
PUMP TWO ENABLE
PUMP TWO SPEED

EXTERIOR LIGHTS

OUTPUTS
6 ZONES (6 DISCRETE OUTPUTS)
COORDINATE W/ ELECTRICAL

→ CONNECT TO HA PANEL POWER LINK SYSTEM

FAN COILS

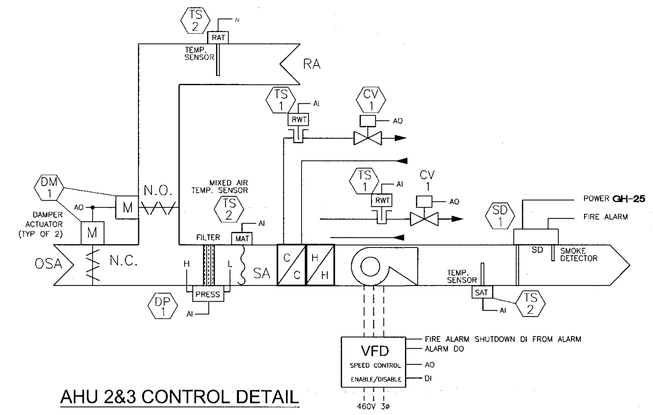
INPUTS
THERMOSTAT
SUPPLY AIR TEMP

OUTPUTS
FAN ENABLE
CHILLED WATER VALVE CONTROL
HOT WATER VALVE CONTROL

CEILING CASSETTE UNITS

INPUTS
THERMOSTAT

OUTPUTS
FAN ENABLE
CHILLED WATER VALVE CONTROL
HOT WATER VALVE CONTROL



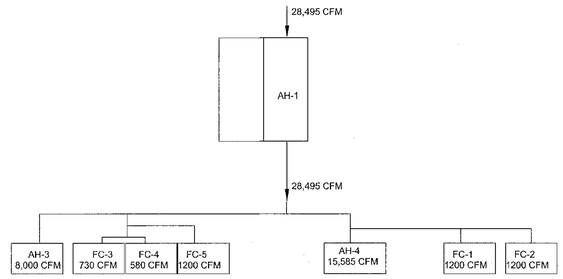
AHU 2&3 CONTROL DETAIL

CONTROL POINTS (show on graphics)

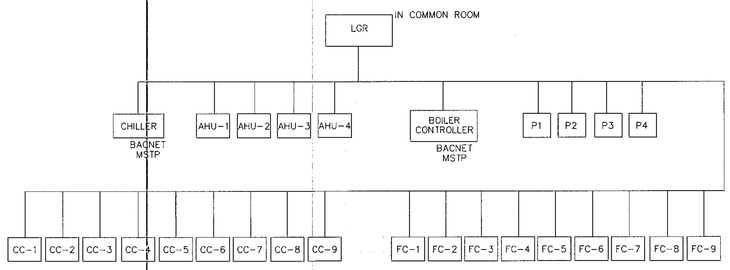
AH 2&3 — CM 1

INPUTS
SUPPLY AIR TEMP
OUTSIDE AIR FROM AH-1
CHILLED WATER RETURN TEMP
HOT WATER RETURN TEMP
VFD ALARM - FAN
SUPPLY DUCT PRESSURE SENSOR
SPACE PRESSURE SENSOR - LOCATE AT FC-6
SPACE PRESSURE SENSOR - LOCATE ON DUCT ABOVE ROOM 112

OUTPUTS
VFD 1 ENABLE
VFD 1 SPEED
CHILLED WATER VALVE
HOT WATER VALVE
OUTSIDE AIR DAMPER
RETURN AIR DAMPER



OUTSIDE AIR FLOW



CONTROL TOPOGRAPHY
NO SCALE

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ARCHITECT'S STAMP

LICENSED ARCHITECT — JORGE AMADOR — C-20348 — JANUARY 31, 2019 — STATE OF CALIFORNIA

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CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER — KEVIN L. LUCCI — No. E 8340 — Exp. 09/30/2018 — ELECTRICAL — STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

POWER FOR MECHANICAL CONTROLS

E424

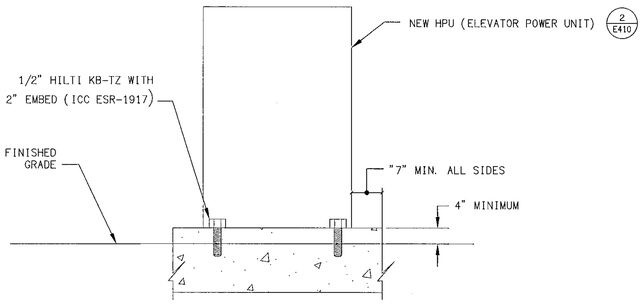
IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

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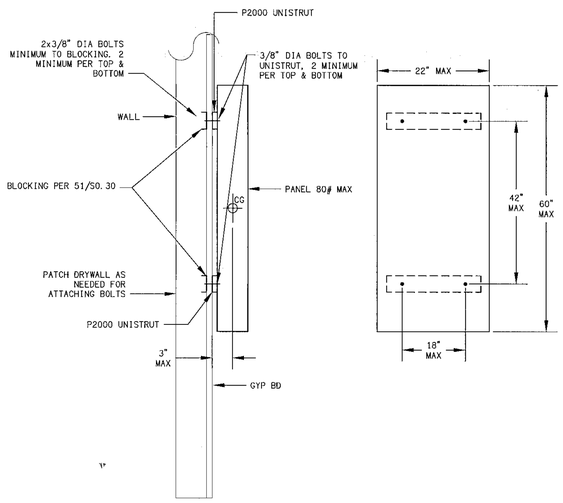
L.A.I.# 16159 PAPER SIZE 42"x36"

DRAFTER: Lee Keener DRAWING FILENAME: 16159E424 PATHNAME: G:\16\159\EL\Sheets\GYM DATE: 22 March 2018 TIME: 5:07 pm

G:\16\159\EL\Sheets\GYM\16159E424.dwg Mar 22, 2018, 5:07pm Lee Keener

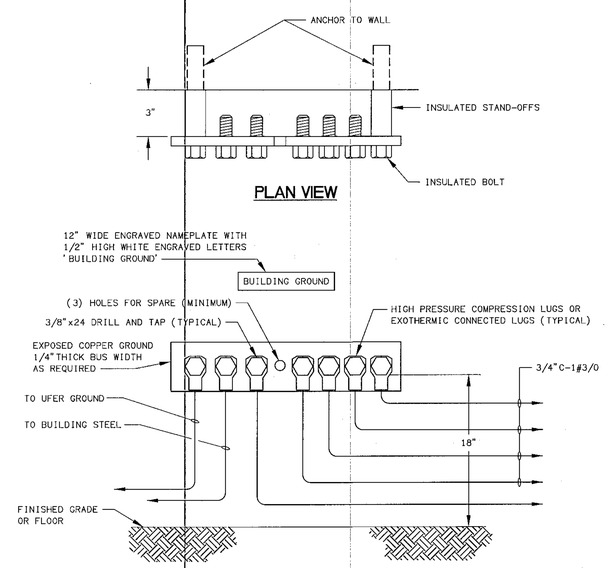


ANCHOR DETAIL 8
SCALE: NONE — E600

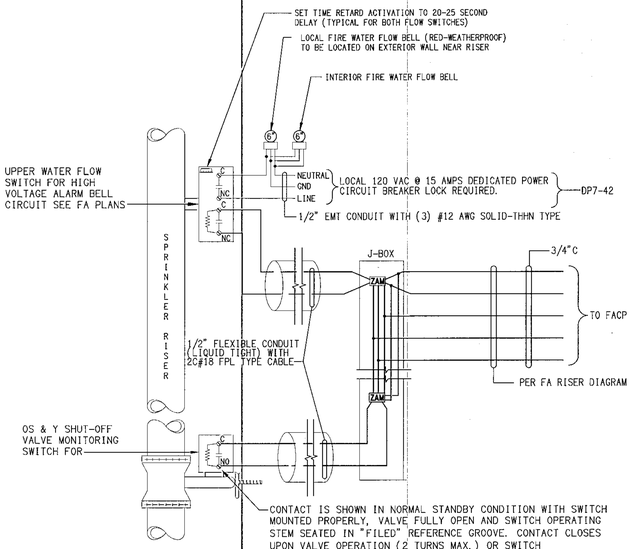


SIDE VIEW FRONT VIEW

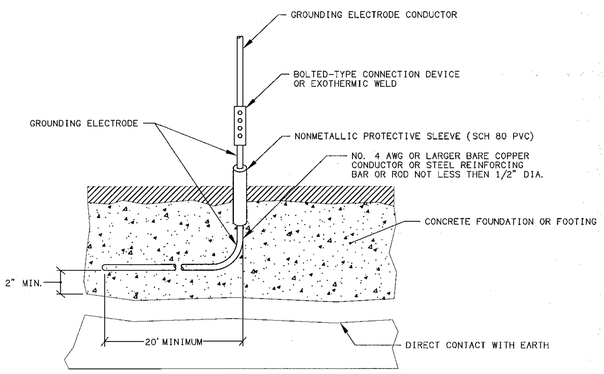
SURFACE MOUNTED PANEL 7
SCALE: NONE — E600



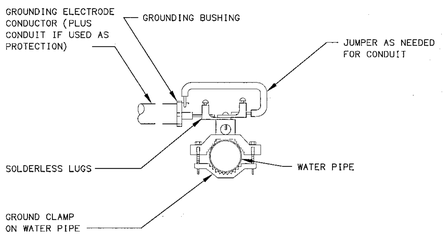
TYPICAL GROUND BUS BAR DETAIL 5
SCALE: NONE — IDF ROOM — E600



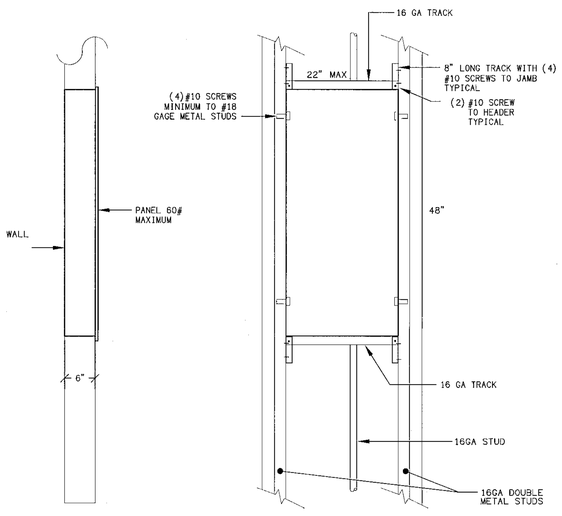
SPRINKLER RISER WITH OSY VALVE WIRING DIAGRAM 4
SCALE: NONE — E600



UFER GROUND DETAIL 3
SCALE: NONE — E600



COLD WATER GROUND DETAIL 2
SCALE: NONE — E600



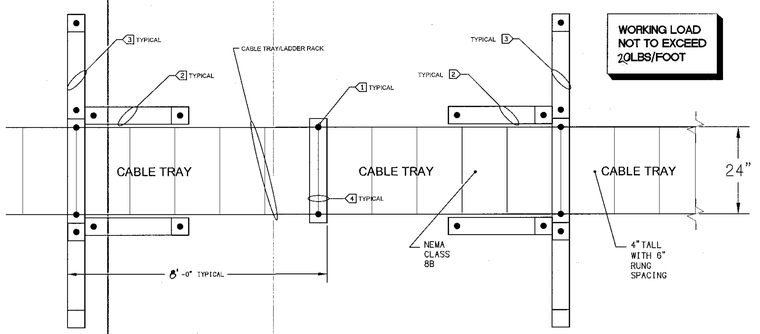
SIDE VIEW FRONT VIEW

NOTE: FOR TYPICAL INFORMATION
SEE STRUCTURAL DETAIL 53/S0.30

FLUSH MOUNTED PANEL 6
SCALE: NONE — E600

KEY NOTES:

1. 3/8" DIAMETER ROD PROVIDE AT 8'-0" INTERVALS OR AS SPECIFIED BY MANUFACTURER PER 37/S0.20.
2. LONGITUDINAL CHANNEL BRACING WITH 90 DEGREE ANGLE FITTING. PROVIDE AT 20'-0" INTERVALS OR AS SPECIFIED BY MANUFACTURER. SEE 39/S0.20
3. TRANSVERSE SEISMIC CHANNEL BRACING WITH HINGED SEISMIC BRACKET. PROVIDE AT 40'-0" INTERVALS OR AS SPECIFIED BY MANUFACTURER. SEE 39/S0.20
4. P2000 UNISTRUT OR APPROVED EQUAL.



CABLE TRAY SEISMIC BRACING PLAN VIEW 1
SCALE: NTS — E600

CONSULTANT

LUCCI & ASSOCIATES INC.
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CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519
Web Site http://www.lucciland.com

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DATE 06-19-18

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ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
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LICENSED ARCHITECT WILLIAM JOHNIE WHITTLE C-26344 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

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REGISTERED PROFESSIONAL ENGINEER JAMES M. LUCCI No. E 6340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

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MOORPARK, CA 93021

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	CHECK: K.L.
	JOB NO: 16-MPC-023

ELECTRICAL DETAILS

E600 OF

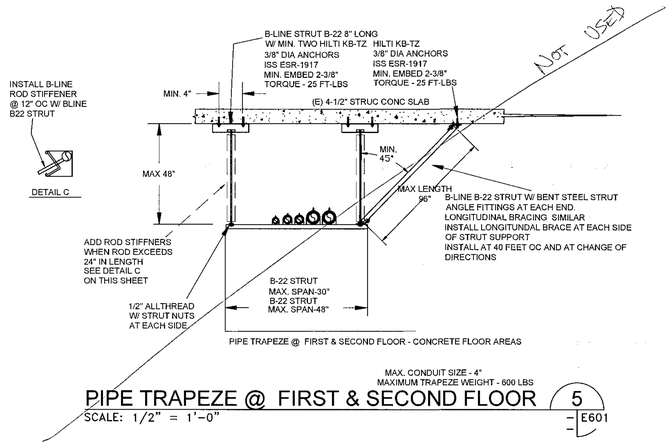
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L.A.I.# 16159 PAPER SIZE 42"x36"

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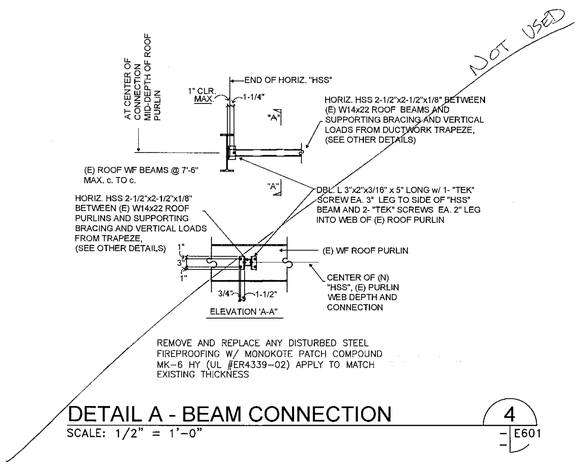
G:\16\16159\ELI\Sheets\GYM\16159E600.dwg Mar 22, 2018, 5:08pm Lee Keener



PIPE TRAPEZE @ FIRST & SECOND FLOOR

SCALE: 1/2" = 1'-0"

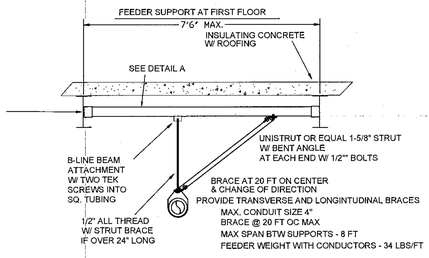
5 / E601



DETAIL A - BEAM CONNECTION

SCALE: 1/2" = 1'-0"

4 / E601



CONDUIT SUPPORT AT MEZZANINE FLOOR

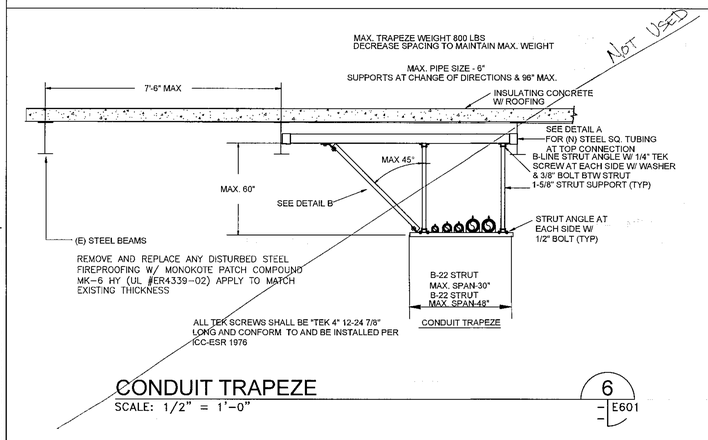
SCALE: 1/2" = 1'-0"

3 / E601

NOT USED

SCALE: NONE

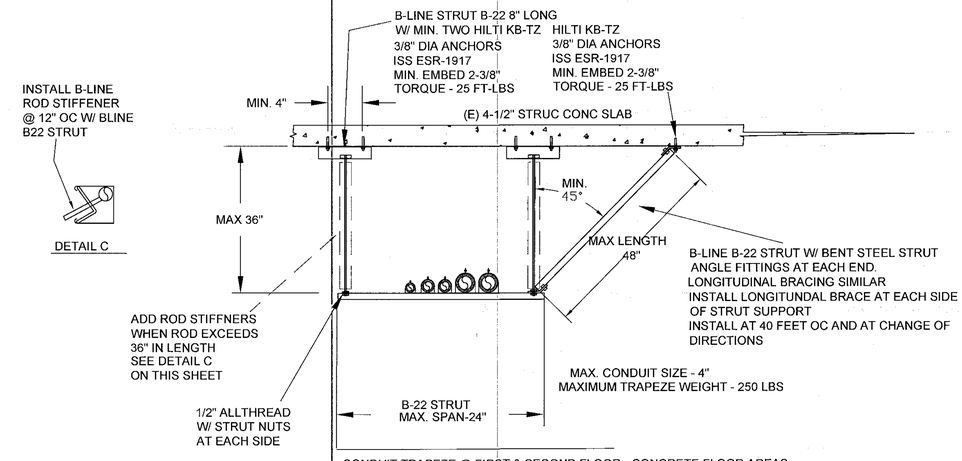
2 / E601

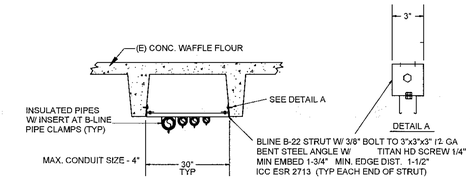


CONDUIT TRAPEZE

SCALE: 1/2" = 1'-0"

6 / E601

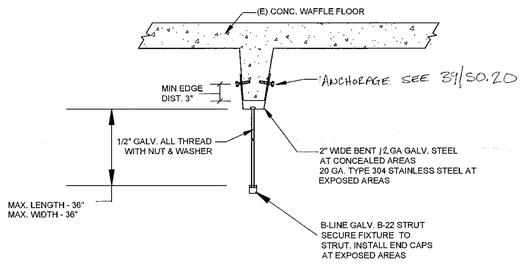




CONDUIT AT WAFFLE SLAB

SCALE: 1/2" = 1'-0"

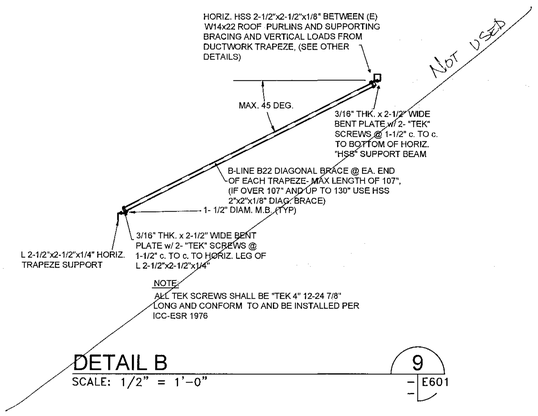
7 / E601



PENDANT FIXTURE

SCALE: 1/2" = 1'-0"

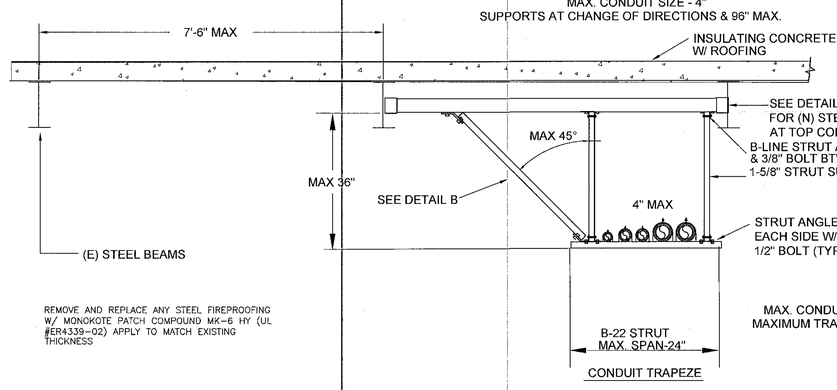
8 / E601

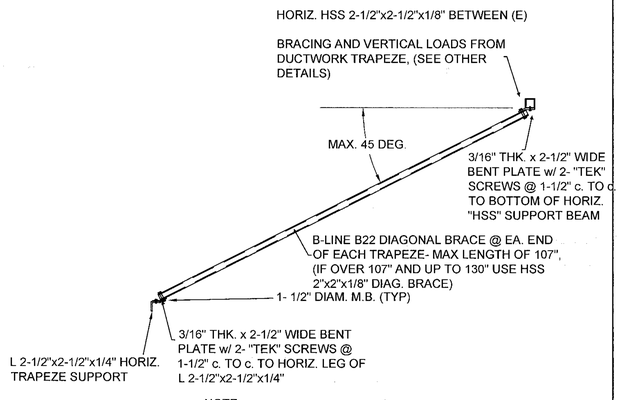


DETAIL B

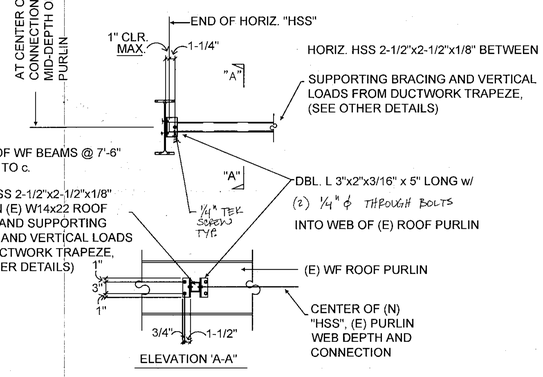
SCALE: 1/2" = 1'-0"

9 / E601





DETAIL B



DETAIL A - BEAM CONNECTION

CONDUIT TRAPEZE DETAIL

SCALE: NONE

1 / E601

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LICENSED ARCHITECT WILLIAM JOHN AMADOR No. C-30048 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA
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CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER MICHAEL PHILIP LUCCI No. E 8940 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

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REVISIONS	DATE: 03/26/2018
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	JOB NO: 16-MPC-023

ELECTRICAL DETAILS

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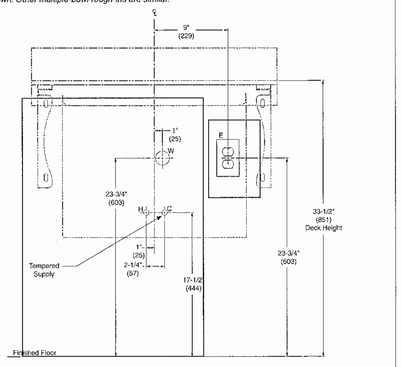
DATE: 22 March 2018 TIME: 5:08 pm
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DRAWING FILENAME: 16159E601
DRAFTER: Lee Keener

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Plumbing and Electrical Rough-Ins

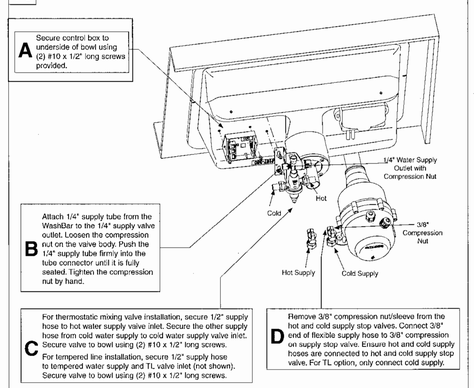
(mm)

- *Mounting for Standard, ADA and TAS height shown.*
- *Typical OmniDeck rough-ins for single WB-TR1 bowl are shown. Other multiple-bowl rough-ins are similar.*



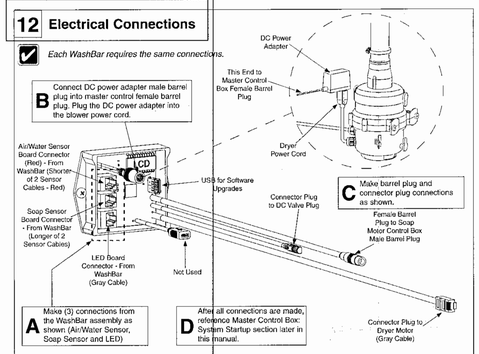
CODE	DESCRIPTION	QTY.
A	1½" NPT Drain, Stub-out 2" from wall	1
H,C	½" Nominal (¾" O.D. Comp.) Hot/Cold supplies, Stub-out 2" from wall	1
E	110V GFI protected electrical outlet (15 amp circuit breaker)	1

10 Control Box and Valve Installation



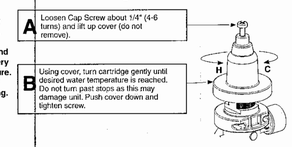
12 Electrical Connections

- *Each WashBar requires the same connections.*



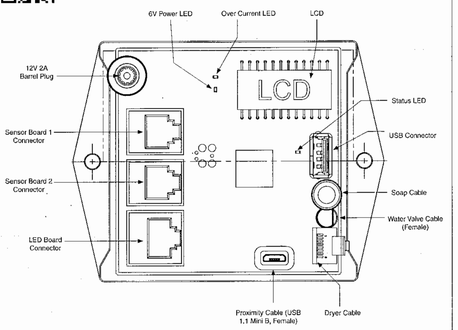
13 Adjust Temperature with Water Running

⚠WARNING This valve is NOT factory preset. Upon installation, the temperature of this valve must be checked and adjusted to ensure delivery of a safe water temperature. Water in excess of 110°F (43°C) may cause scalding.



Master Control Box

Scan to watch maintenance and troubleshooting videos for the WashBar!



System Startup

- *Before providing power to WashBar, make sure the area under the WashBar is clear of any obstructions and that sensors are clear.*

The first time the WashBar is powered up, there is a sequence of LEDs that will light up.

- Within 5-10 seconds of receiving power, the WashBar will cycle it's LED lights RED, GREEN and then BLUE. Once the LEDs turn blue, the WashBar is in Standy/Idle Mode.

- *If any of the WashBar LEDs flash RED, check for sensor obstruction. Once obstruction is removed or cleaned, the WashBar LEDs will return to blue indicating that the WashBar is in Standby/Idle Mode.*
  - The power LED on the master control box will be GREEN indicating the unit has power.

Master Control Box: Operation Modes

Standby/Idle Mode

Standby/Idle mode is automatically activated when the WashBar is not in use. All of the sensors (soap, water, dryer) are active in this mode. When any sensor is activated (soap, water, dryer or approach), the WashBar will exit Standby/Idle Mode.

LED Indicators	Meaning
All blue dimmed	Default/normal
All blue	User option, See Configuration Mode
All Off	User option, See Configuration Mode
Only Soap LED solid red	Low soap (Reset: Hold hand under soap sensor until red LED turns off, approximately 13 seconds.)
Soap and water LED solid red	Soap sensor board error
Air and water LED solid red	Air sensor board error
Soap and air LED solid red	Both sensor boards error
All LED solid red	Air sensor board error and low soap
Any Flashing Red LED	Dryer, water or soap has timed-out. This is caused by a obstructed sensor. Remove obstruction or wipe sensors with microfiber cloth to prevent from scratching sensor. System will return operational automatically once cleared.

- *The dryer has a 1.5 second delay in this mode.*

Operation Mode

Operation mode is the normal dispensing/washing/drying mode automatically activated when the WashBar is in use. All of the sensors (soap, water, dryer) are active in this mode.

While in operating mode:

- The soap and water can activate at the same time but the dryer cannot activate at the same time as the soap and water.
- When dryer is active, disable water sensor closest to dryer.
- When a water sensor is still detecting an object after 30 seconds, the water will shut off and wait for a no-detect before becoming ready again.
- To reset low soap, hold hand under soap for 13 seconds (see table below for low soap indicator LED).
- When a soap sensor is still detecting an object after 15 seconds, the soap will primo for 30 seconds or until a no-detect occurs before becoming ready again.
- When a dryer sensor is still detecting an object after 30 seconds, the dryer will shut off and wait for no detect before becoming ready again.

LED Indicators	Meaning
All blue bright	Ready Mode
Green bright	Dispensing soap, water or air
Only Soap LED solid red	Low soap (Reset: Hold hand under soap sensor until red LED turns off, approximately 13 seconds)
Soap and water LED solid red	Soap sensor board error
Air and water LED solid red	Air sensor board error
Soap and air LED solid red	Both sensor boards error
All LED solid red	Air sensor board error and low soap
Any Flashing Red LED	Dryer, water or soap has timed-out. This is caused by a obstructed sensor. Remove obstruction or wipe sensors with microfiber cloth to prevent from scratching sensor. System will return operational automatically once cleared.

Cleaning Mode

Cleaning mode temporarily locks out the WashBar for approximately 30 seconds. All of the sensors (soap, water, dryer) are inactive in this mode. After 30 seconds, the WashBar will exit Cleaning Mode and return to Standby/Idle Mode. Use a soft cloth and ethyl alcohol or water to clean WashBar access plates/sensor windows.

To activate Cleaning Mode:

1. Place a hand under the dryer and then immediately (within 1 second) under the soap sensor and hold hands under both dryer and soap sensors for approximately 5 seconds until all LED lights turn solid white.
2. Remove hands only when all LED lights turn solid white.

- *LED lights may flash and cycle different colors. To activate this mode, only remove hands once all LED lights are solid white.*

Configuration Mode

Configuration Mode is when the user can configure the WashBar or obtain cycle counts for soap, water and dryer. All of the sensors (soap, water, dryer) are active in this mode. After 10 seconds of no use, the WashBar will slow flash all LEDs green and then return to Standby/Idle Mode.

To activate Configuration Mode:

1. Place a hand under the dryer and then immediately (within 1 second) under the soap sensor and hold hands under both dryer and soap sensors for approximately 10 seconds until all LED lights turn solid red.
2. Remove hands only when all LED lights turn solid red.

- *LED lights may flash and cycle different colors. To activate this mode, only remove hands once all LED lights are solid red.*
- *While in Configuration Mode, LED lights will be solid red unless changing configurations or getting cycle counts.*

Cycle Counts

To display cycle counts, while in Configuration Mode:

1. Place and remove hand within 3 seconds under the device you want to get a cycle count for (soap, water, dryer).
2. The LED light for that device will turn green to indicate the count will follow.
3. The LED light for that device will turn solid red and then flash the number of cycles as follows:
   - Soap: the LED flashes the number of 100,000 cycles for the device.
   - Water: the LED flashes the number of 10,000 cycles for the device.
   - Dryer: the LED flashes the number of 1,000 cycles for the device.

For example, a water activation cycle of 248,000 will be displayed in the following order: A solid green water LED, followed by a 1.5 second solid red soap LED, followed by 2 white soap LED flashes (indicating the 2 in 248,000). Next, there will be a 1.5 second solid red water LED followed by 4 white soap LED flashes (indicating the 4 in 248,000). Finally, a 1.5 second solid red dryer LED followed by 8 white soap LED flashes (indicating the 8 in 248,000).

Setting the Soap Type

If the WashBar is set to the correct soap type, the low soap indicator will display low soap at 80% empty as intended. If not set correctly, a liquid soap system will be empty before indicator lights up if set to foam and a foam soap system will be 60% empty if set to liquid.

To set soap type, while in Configuration Mode:

1. Hold hand under soap sensor for 5 seconds to start selection process. Selection options will cycle until hand is removed.
2. Continue to hold hand under soap until desired setting color is shown then remove hand while color is being displayed.
   - Red LED: Liquid Soap (3200 dispensing cycles occur before low soap counter needs to be reset. This is the Default setting when WashBar is reset.)
   - Blue LED: Foam Soap (4000 dispensing cycles occur before low soap counter needs to be reset.)

Setting the LED Lights ON (Bright) / ON (Low) / OFF for Standby/Idle Mode

To set the LED lights to ON (Bright) / ON (Low) / OFF for Standby/Idle Mode, while in Configuration Mode:

1. Hold hand under water sensor for 5 seconds to start the selection process. Selection options will cycle until hand is removed.
2. Continue to hold hand under water until desired setting color is shown then remove hand while color is being displayed.
   - Blue LED (Bright): standby LEDs ON (default when WashBar is reset)
   - Blue LED (Low): Standby LEDs slightly dimmer
   - LED Off: standby LEDs OFF

Setting Motor Speed

To set the dyer motor speed, while in Configuration Mode:

1. Hold hand under dryer for 5 seconds to start selection process. Selection options will cycle until hand is removed.
2. Continue to hold hand under dryer until desired setting color is shown then remove hand while color is being displayed.
   - Red LED: High Speed (default when WashBar is reset)
   - Blue LED: Medium Speed
   - LED Off: Low Speed

Reset Mode

Reset mode is when the user can reset all WashBar settings back to their default settings. This removes all custom configuration options but does not reset counters. Counters cannot be reset. All of the sensors (soap, water, dryer) are active in this mode. Once the WashBar has been reset, it will automatically return to Standby/Idle Mode.

To reset the WashBar:

1. Place a hand under the dryer and then immediately (within 1 second) under the soap sensor and hold hands under both dryer and soap sensors for approximately 20 seconds until all LED lights turn solid green.
2. Remove hands once all LED lights turn solid green. WashBar has now been reset and will return to Standby/Idle Mode. If foam soap is being used, the soap type will need to be set to foam. If this step is not done, the low soap indicator will not be accurate. See Configuration section "Setting the Soap Type."

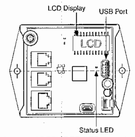
- *LED lights may flash and cycle different colors. To reset the WashBar, only remove hands once all LED lights are solid green.*

24 Hour Water Purge

If water has not been used within 24 hours, the WashBar will automatically run water for 5 seconds. This is not configurable by the user.

Software Update

- *Software revisions can be found at www.bradleycorp.com/software-updates/washbar*



The master control board software can be updated using a USB flash drive. To update the software:

1. Download the desired software revision into the ROOT directory of a USB flashdrive (do not copy file in any folder).
2. Place the USB flash drive containing the desired software into the master control board.
3. DO NOT REMOVE FLASH DRIVE until status LED on master control board turns off and LED lights on WashBar turn all BLUE to indicate update is complete.

- *LEDs may turn off after ALL have flashed BLUE if standby LED setting is set to "OFF". RED LEDs may be solid if low soap or board error has occurred or Flashing RED if sensor is blocked.*

4. Remove USB flash drive if desired. Leaving USB flash drive in master control board will not affect WashBar performance.

- *Software version will display on the LCD screen. Software can be reversed to a previous version by having only an earlier version of the software on the USB flash drive.*

Displaying Software Revision and Cycle Counts on LCD Display

The master control board has an LCD screen that continuously displays information about the software version and cycle counts for the soap, water and dryer. To view the LCD display:

5. Open the access panel.
6. Locate the LCD screen on the master control board. The display will cycle through the software revision and counts. Cycle counts are displayed x1000 (ex. 65 = 65,000)
   - REV followed by the software revision
   - SOP followed by the soap cycle count
   - H2O followed by the water cycle count
   - AIR followed by the dryer cycle count

INSTALLATION FOR LD-5010 OMNIDECK WITH WASHBAR

SCALE: NONE

1 / E602

REFERENCE ONLY

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519
Web Site http://www.luccland.com

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MOORPARK COLLEGE GYMNASIUM RENOVATION

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	JOB NO: 16-MPC-023

LAVATORY BASIN ELECTRICAL DETAILS

E602

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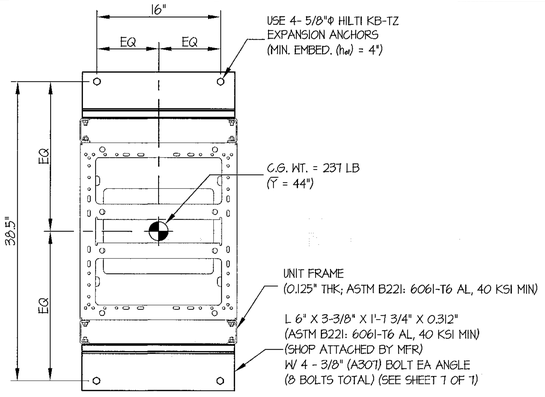
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DES. J. ROBERSON | JOB NO. 11-1453 | DATE 2/1/16 | SHEET 3 OF 7 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS — 1.30 < MAX S_{DS} ≤ 1.80 — CONCRETE SLAB



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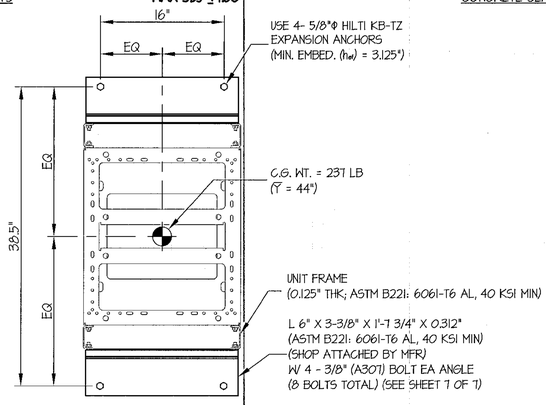
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SEISMIC SUPPORTS & ATTACHMENTS — MAX S_{DS} ≤ 1.30 — CONCRETE SLAB



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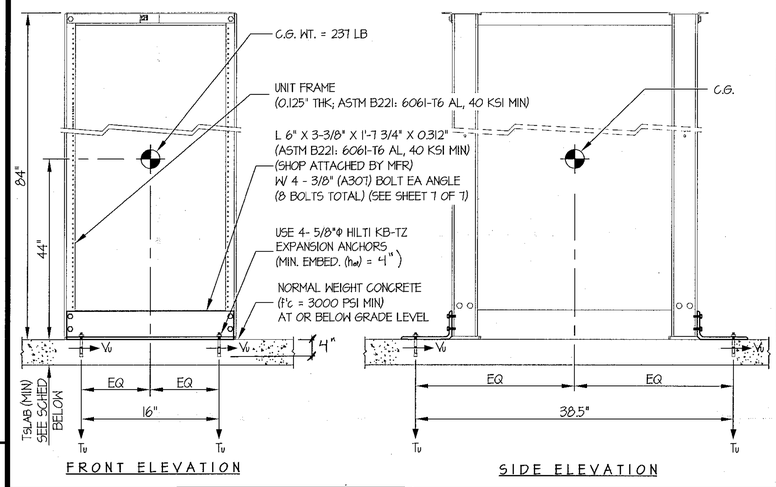
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SEISMIC SUPPORTS & ATTACHMENTS — CONCRETE SLAB



FRONT ELEVATION — SIDE ELEVATION

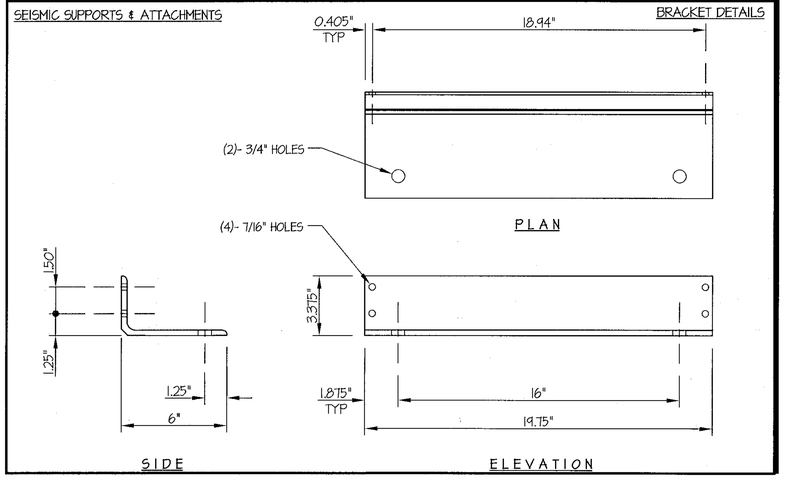
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SEISMIC SUPPORTS & ATTACHMENTS — BRACKET DETAILS



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LICENSED ARCHITECT — WILLIAM KIRBY AMADOR — C-14546 — JANUARY 31, 2019 RENEWAL DATE — STATE OF CALIFORNIA

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(805) 530-3938 , (818) 874-0071

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER — KENNETH W. LUCCI, JR. — No. E 8340 — Exp. 09/30/2018 — ELECTRICAL — STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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CHATSWORTH PRODUCT DETAILS

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PROJECT SCOPE:

PROVIDE FULL MANUAL FIRE ALARM SYSTEM INCLUDING A.D.A. REQUIRED HORN / STROBES AND SMOKE DETECTORS AS SHOWN ON THESE DRAWINGS

LEGEND

SYMBOL	QTY	MODEL	MAKE	DESCRIPTION	CSFM #	MOUNTING
	1	EST3	EST	-NEW MAIN FIRE ALARM CONTROL PANEL	7165-1591:186	-WALLBOX PROVIDED
	1	3-CAB7B	EST	-ENCLOSURE	7165-1591:186	-MOUNTS TO WALL
	1	3-CAB7D	EST	-DOOR ASSEMBLY FOR 3-CAB21	7165-1591:186	-MOUNTS ON 3-CAB21B
	1	3-CHAS7	EST	-CHASSIS ASSEMBLY FOR 7 LRMS	7165-1591:186	-MOUNTS ON 3-CAB21B
	1	3-CPU/PPS	EST	-CENTRAL PROCESSING UNIT	7165-1591:186	-MOUNTS ON RAIL
FACP	1	3-LCD	EST	-CPU LCD DISPLAY	7165-1591:186	-MOUNTS ON RAIL
	1	3-RS485	EST	-NETWORK COMMUNICATION CARD	7165-1591:186	-MOUNTS ON RAIL
	1	3-SSDC1	EST	-SINGLE LOOP CONTROLLER MODULE	7165-1591:186	-MOUNTS ON RAIL
	1	3-IDC8/4	EST	-STROBE MODULE	7165-1591:186	-MOUNTS IN WALLBOX
	1	3-PPS/M	EST	-PRIMARY POWER SUPPLY	7165-1591:186	-MOUNTS IN WALLBOX
	2	3-LRMF	EST	-BLANK LRM FILLER	N/A	-MOUNTS ON RAIL
	2	12V17A	EST	-17 AH BATTERY	N/A	-MOUNTS IN WALLBOX
AA	2	3-ZA40A	EST	-AUDIO AMPLIFIER 40W	7170-1130-183	-TO WALL
FATC	1	N/A	BY OTHERS	-FIRE ALARM TERMINAL CABINET	N/A	
	2	BPS10	EST	-SIGNAL EXTENDER POWER SUPPLY	7300-1591:200	-WALL BOX PROVIDED
RA	1	3-LCDANN	EST	-REMOTE ANNUNCIATOR	7120-1591:193	-4"SQ.ELEC.BOX W/SINGLE GANG RING
F	17	SIGA-270	EST	-MANUAL PULL STATION	7150-1657:129	-SINGLE GANG RING OR OUTLET
	7	SIGA-HRS	EST	-HEAT DETECTOR	7270-1591:215	-MOUNTS TO SIGA-SB BASE
		SIGA-SB	EST	-BASE	7300-1591:120	-4"SQ.BOX WITH 3" "O" RING
	14	SIGA-PS	EST	-SMOKE DETECTOR	7272-1591:125	-MOUNTS TO SIGA-SB BASE
		SIGA-SB	EST	-BASE	7300-1591:120	-4"SQ.BOX WITH 3" "O" RING
		SIGA-DH	EST	-DUCT DETECTOR HOUSING	3240-1591:133	-MOUNTED BY MECHANICAL CONTRACTOR
	10	SIGA-PS	EST	-SMOKE DETECTOR	7272-1591:126	-MOUNTS TO SIGA-SB BASE
		SIGA-SB	EST	-BASE	7300-1591:120	-MOUNTS IN SIGA-DH HOUSING
	12	G1F-VM	EST	-STROBE 15 CANDELA (WALL MOUNT)	7125-1591:203	-SINGLE GANG RING OR OUTLET
	1	G1F-VM	EST	-STROBE 110 CANDELA (WALL MOUNT)	7125-1591:203	-SINGLE GANG RING OR OUTLET
	13	G4F-S7VM	EST	-HORN/STROBE 15 CANDELA	7125-1591:218	-4"SQ.DEEP ELECTRICAL BOX
	3	G4F-S7VM	EST	-HORN/STROBE 30 CANDELA	7125-1591:218	-4"SQ.DEEP ELECTRICAL BOX
	22	G4F-S7VM	EST	-HORN/STROBE 150 CANDELA	7125-1591:218	-4"SQ.DEEP ELECTRICAL BOX
CR	5	SIGA-CR	EST	-ADDRESSABLE RELAY	7300-1388.178	-SINGLE GANG RING OR OUTLET
		PAM-1	EST	-MULTI VOLTAGE RELAY	7300-1388.178	-SINGLE GANG RING OR OUTLET
CT1	5	SIGA-CT1	EST	-TRANSPONDER	7300-1388.178	-SINGLE GANG RING OR OUTLET
CT2	1	SIGA-CT2	EST	-TRANSPONDER	7300-1388.178	-4"SQ.DEEP ELECTRICAL BOX
CC1	1	SIGA-CC1	EST	-SIGNAL CIRCUIT MODULE	7300-1388.178	-INSIDE BPS10
B	1	439D-10AW(R)	EST	-10" BELL	7136-1657:150	-NO.449 WEATHERPROOF WALL BOX
		OSYSU	POTTER	-EXISTING WATERFLOW SWITCH	N/A	
		OSYSU	POTTER	-EXISTING TAMPER SWITCH	N/A	
SP	16	G4RTF-S7	EST	-70V SPEAKER - 2W	7320-1657-211	-4"SQ.DEEP ELECTRICAL BOX

SEQUENCE OF OPERATION

	MANUAL PULL STATION	AREA SMOKE DETECTOR	DUCT SMOKE DETECTOR	SPRINKLER WATERFLOW SWITCH	SPRINKLER TAMPER SWITCH	SYSTEM TROUBLE	120V AC POWER FAILURE
ANNUNCIATE AT MAIN FACP	YES	YES	YES	YES	YES	YES	YES
ANNUNCIATE AT REMOTE ANNUNCIATOR	YES	YES	YES	YES	YES	YES	YES
ANNUNCIATE AT 24 HOUR LOCATION	YES	YES	YES	YES	YES	YES	YES
ACTIVATE AUDIBLE AND VISUAL SIGNALS	YES	YES	YES	YES	NO	NO	NO
SHUTDOWN AIR HANDLERS	YES	YES	YES	YES	NO	NO	YES
CLOSE SMOKE/FIRE DAMPERS	YES	YES	YES	YES	NO	NO	YES

NOTES

1. ALL WIRE SHALL BE IN CONDUIT AND SHALL CONFORM TO NEC CEC 2004 AND LOCAL ELECTRICAL CODES.

"A"-DENOTES 2 CONDUCTORS #18AWG FPL CABLE	ADDRESSABLE DEVICE CIRCUIT	RED (+), BLACK (-)
"2A"-DENOTES 4 CONDUCTORS #18AWG FPL CABLE	ADDRESSABLE DEVICE LOOP	RED (+), BLACK (-), BLUE (+), BROWN (-)
"C"-DENOTES 2 CONDUCTORS #14AWG THHN CABLE	STROBE CIRCUIT	YELLOW (+), BLUE (-)
"2C"-DENOTES 4 CONDUCTORS #14AWG THHN CABLE	STROBE CIRCUIT	YELLOW (+), BLUE (-), STRIPED (+), STRIPED (-)
"H"-DENOTES 2 CONDUCTORS #14AWG THHN CABLE	STROBE CIRCUIT	YELLOW (+), BLUE (-)
"2H"-DENOTES 4 CONDUCTORS #14AWG THHN CABLE	STROBE CIRCUIT	YELLOW (+), BLUE (-), STRIPED (+), STRIPED (-)
"N"-DENOTES 2 CONDUCTORS #14AWG THHN CABLE	NETWORK (RS484 CIRCUIT	ORANGE (+), BROWN (-)
"P"-DENOTES 2 CONDUCTORS #14AWG THHN CABLE	AUXILIARY CIRCUIT	ORANGE (+), BROWN (-)

2. ALL WIRING, INITIATING, INDICATING DEVICES, AND ANNUNCIATOR PANEL SHALL BE SUPERVISED TO THE PRINCIPAL POINT OF ANNUNCIATION. THE FIRE ALARM PANEL SHALL SUPERVISE THE ANNUNCIATOR PANEL ALL INITIATING DEVICES. POINT AND COMMON ANNUNCIATION AND T-TAPPING OF SUPERVISED DEVICES IS PROHIBITED.
3. WIRING SHALL NOT BE LOOPED THROUGH DEVICES AND MUST BE CUT IN AND OUT AT EACH DEVICE.
4. WALL MOUNTED A.D.A. STROBES SHALL BE MOUNTED BETWEEN 80" AND 96" ABOVE THE FINISHED FLOOR MEASURED TO THE BOTTOM OF THE STROBE LENS WITH A MINIMUM OF 5" TO THE CEILING FROM THE TOP OF THE LENS. A.D.A. STROBES SHALL PRODUCE A MINIMUM OF 15 CANDELA AND SHALL FLASH NO MORE THAN 2 FLASHES PER SECOND & NOT LESS THAN 1 FLASH PER SECOND. AREAS HAVING 3 OR MORE STROBES SHALL BE SYNCHRONIZED.

   IN ROOMS: WALL MOUNTED STROBES SHALL BE MOUNTED IN ACCORDANCE WITH NFPA 72, 1999, TABLE 6-4.4.1(A).
   IN CORRIDORS WALL MOUNTED STROBES SHALL BE MOUNTED IN ACCORDANCE WITH NFPA 72, 1999, TABLE 6-4.4.2.

5. ALL HOME RUNS TO EXISTING FIRE ALARM TERMINAL CABINET LOCATED IN ELECTRICAL ROOM UNLESS OTHERWISE NOTED.
6. THE FIRE ALARM SYSTEM SHALL BE INSTALLED BY B.E.C. ALL DEVICES IN THE FIRE ALARM SYSTEM SHALL BE COMPATIBLE AND INSTALLED TO MANUFACTURES SPECIFICATION AND SHALL ALSO BE INSTALLED IN COMPLIANCE WITH THE APPLICABLE REQUIREMENTS OF NFPA 72.
7. THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, 2001 CBC SECTION 1632A AND TABLE 16A-0. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT SHALL BE SHOWN ON PLANS.
8. CONNECT EQUIPMENT TO A DEDICATED 120V CIRCUIT, CIRCUIT BREAKER SHALL BE LOCKED IN THE ON POSITION WITH AN APPROVED MECHANICAL CLIP. CIRCUIT DISCONNECTING MEANS SHALL HAVE A RED WARNING, SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONAL, AND SHALL BE IDENTIFIED AS "FIRE ALARM". THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.
9. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
10. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CHANGE ORDER, APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
11. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
12. FIRE ALARM SYSTEM MUST CONNECT CAMPUS FIRE ALARM NETWORK IN PLACE CONTACT B.E.C. FOR FURTHER INFORMATION.
13. ALL CONDUIT AND BOXES SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70, (2002 EDITION, CHAPTER 3 / CALIFORNIA ELECTRICAL CODE 2004)
14. AUTHORIZED DISTRIBUTOR;

    B.E.C.
    2246 LINDSAN WAY
    GLENDORA, CA 91740
    PHONE (909) 305-1600
    FAX (909) 305-1603

NO EXISTING COMBINATION FIRE SMOKE DAMPERS ARE LOCATED WITHIN THE BUILDING.

COMPLETE FIRE ALARM SYSTEM SUBMITTAL

REFERENCE

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519
Web Site http://www.luccilland.com

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REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

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	CHECK: K.L.
	JOB NO: 16-MPC-023

EXISTING LEGEND AND NOTES
FIRE ALARM PLAN

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FA0.01

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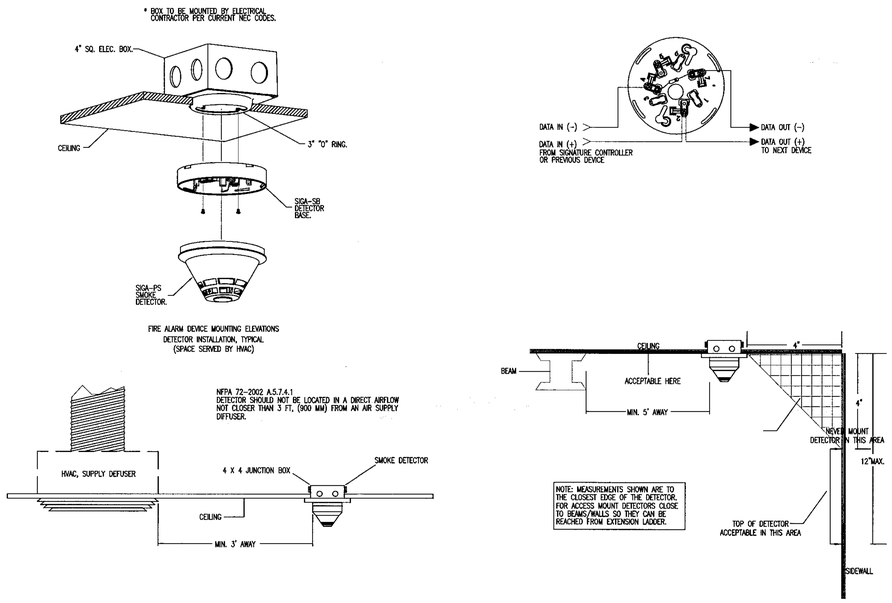
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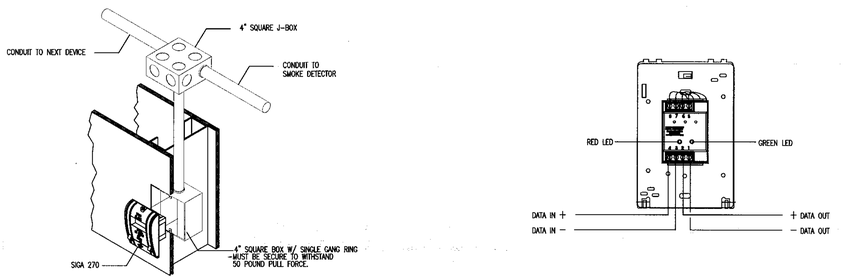
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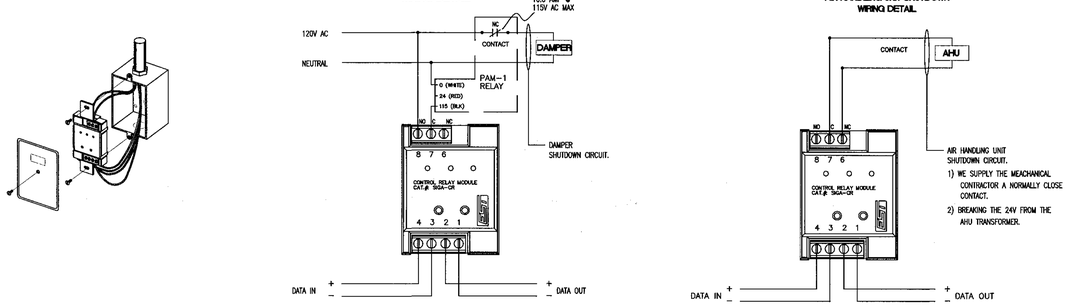
SMOKE DETECTOR DETAIL



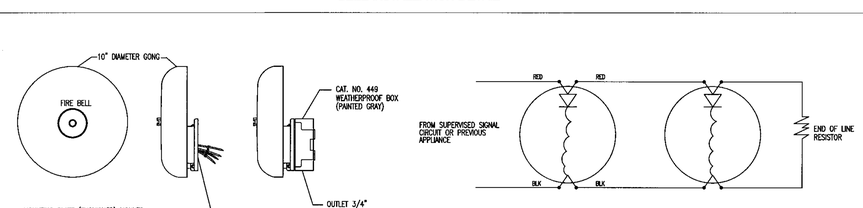
SIGA-270 PULL STATION DETAILS



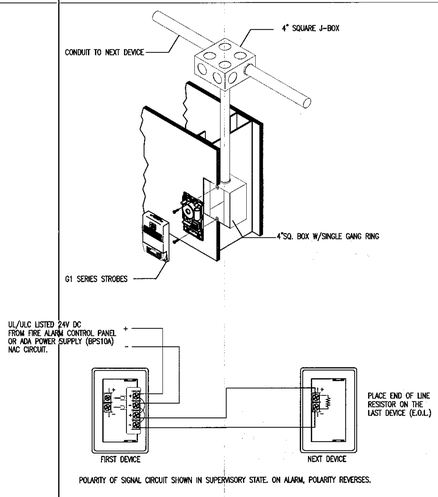
CONTROL RELAY DETAILS



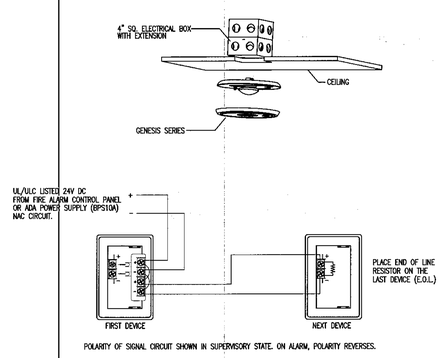
BELL INSTALLATION DETAIL



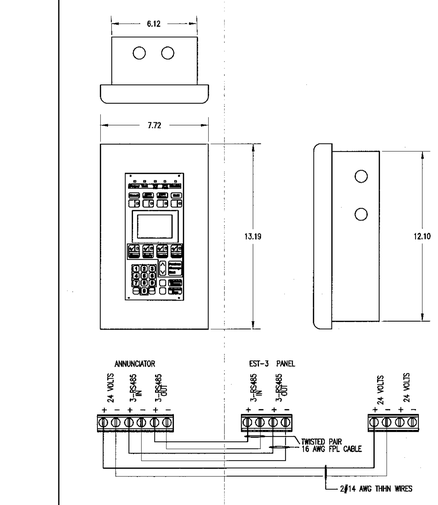
WALL MOUNTED HORN/STROBE DETAILS



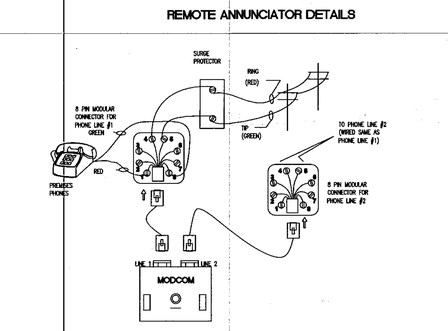
CEILING MOUNTED HORN/STROBE DETAILS



REMOTE ANNUNCIATOR DETAILS



REMOTE ANNUNCIATOR DETAILS



VOLTAGE DROP CALCULATION

CIRCUIT: STROBE CIRCUIT

VOLTAGE:	24 VOLTS			
DISTANCE:	350 FEET			
NEW LOAD:	0.456 AMPS.	4	110CD HORN/STROBES(WALL) @	0.245
NEW LOAD:	0.721 AMPS.			
WIRE SIZE:	14 AWG.	3.07		OHMS/1000'
CIRCUIT AMPS.	.980 AMPS.			

VOLTAGE DROP = (DISTANCE X LOAD X OHMS/1000') / 1000
= 1.053 VOLTS

% DROP= (V.D./VOLTAGE) X 100
= 4.38%

BATTERY CALCULATIONS

Total Current	
STANDBY	0.150 A
ALARM	1.124 A

Device	Secondary Non-Alarm Current Qty		Draw	Non-Alarm	Secondary Alarm Current Qty		Draw	Alarm
1. System Modules								
HPFF8 Main Circuit Board	1	x	0.07500	0.07500	1	x	0.20600	0.20600
2. NAC #1 (A)								
HORN/STROBE	0	x	0.00000		0	x	0.24500	
SMOKE DETECTOR	74	x	0.00000	0.00000	74	x	0.01800	1.33200
HORN/STROBE (15cd)	6	x	0.06900	0.41400	6	x	0.10900	0.65400
STROBE (15cd)	13	x	0.06900	0.89700	13	x	0.10900	1.41700
HORN/STROBE (75cd)	9	x	0.15900	1.43100	9	x	0.26300	2.36700
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
NAC #1 Totals (Max 3 Amps):				0.07500				5.77000

Load Requirements 1.124 Amp Hours
Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Standby Load 0.075 A	x	Required Standby Time 24 hours	1.80
Alarm Load 1.124 A	x	Required Alarm Time (hours) 0.084 hours	0.094
		Total Secondary Load	1.894
		◉ USA ○ Canada Derating factor x 1.2	
		Secondary Load Requirements	**2.270** AH

Battery Selection 7 Amp Hours

THIS IS A MANUAL ANNUNCIATION SYSTEM ONLY

REFERENCE

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APPL NO. 03-118379
AC FLS SS
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FIRE ALARM DETAILS AND BATTERY CALCULATIONS
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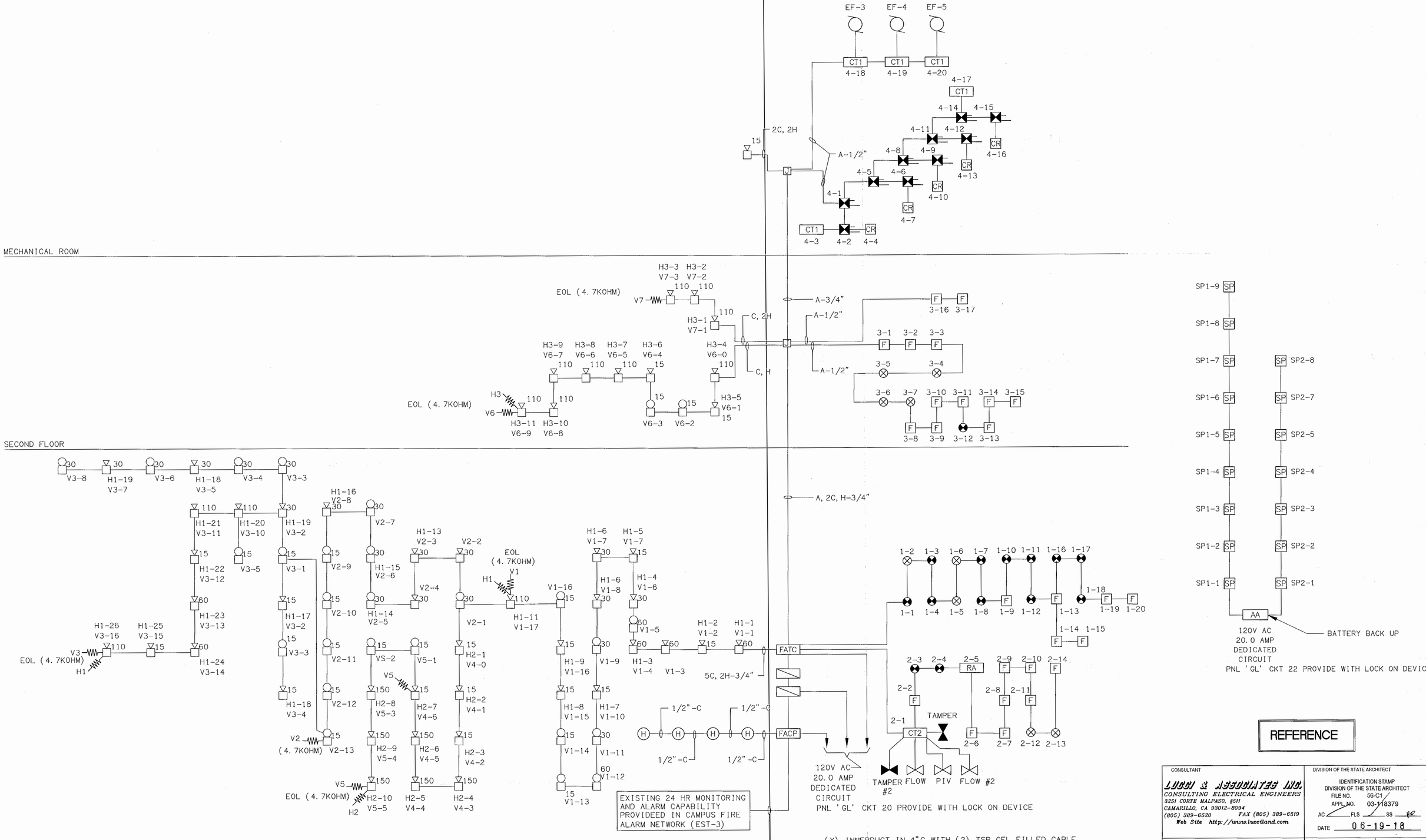
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L.A.I.# 16159 PAPER SIZE 42"x36"

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Mar 22, 2018, 5:08pm Lee Keener



RISER DIAGRAM

SCALE: NONE

1 – FA0.03

REFERENCE

COMPLETE FIRE ALARM SYSTEM SUBMITTAL

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EXISTING RISER DIAGRAM
FIRE ALARM PLAN

FA0.03

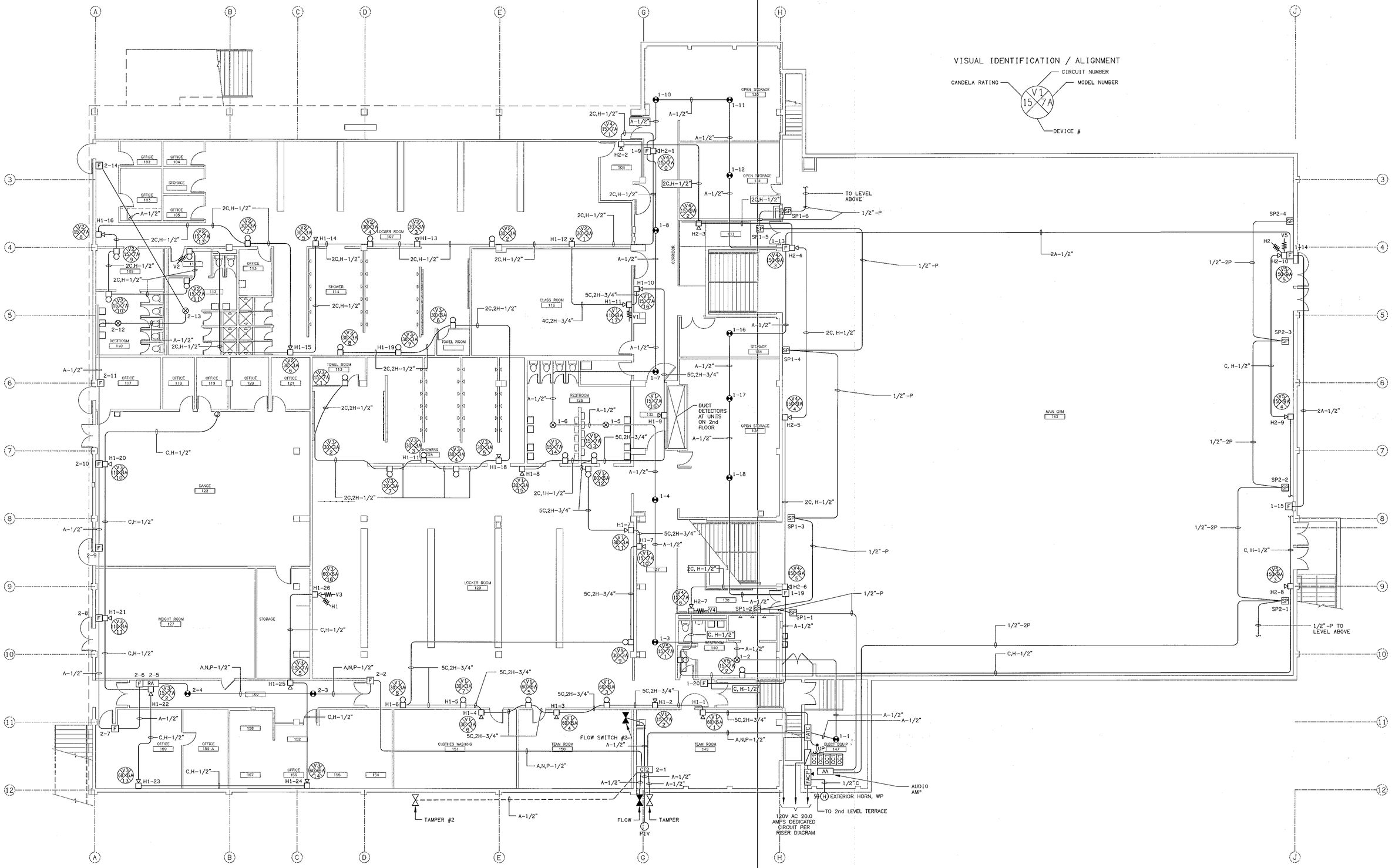
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L.A.I.# 16159 PAPER SIZE 42"x36"

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1/8"=1'-0" 0 4' 8' 16' 24'

EXISTING FIRST FLOOR FIRE ALARM PLAN

SCALE: 1/8"=1'-0"

1 / FA0.10

N

REFERENCE

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REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

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EXISTING FIRST FLOOR FIRE ALARM PLAN

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY

FA0.10 ___ OF ___

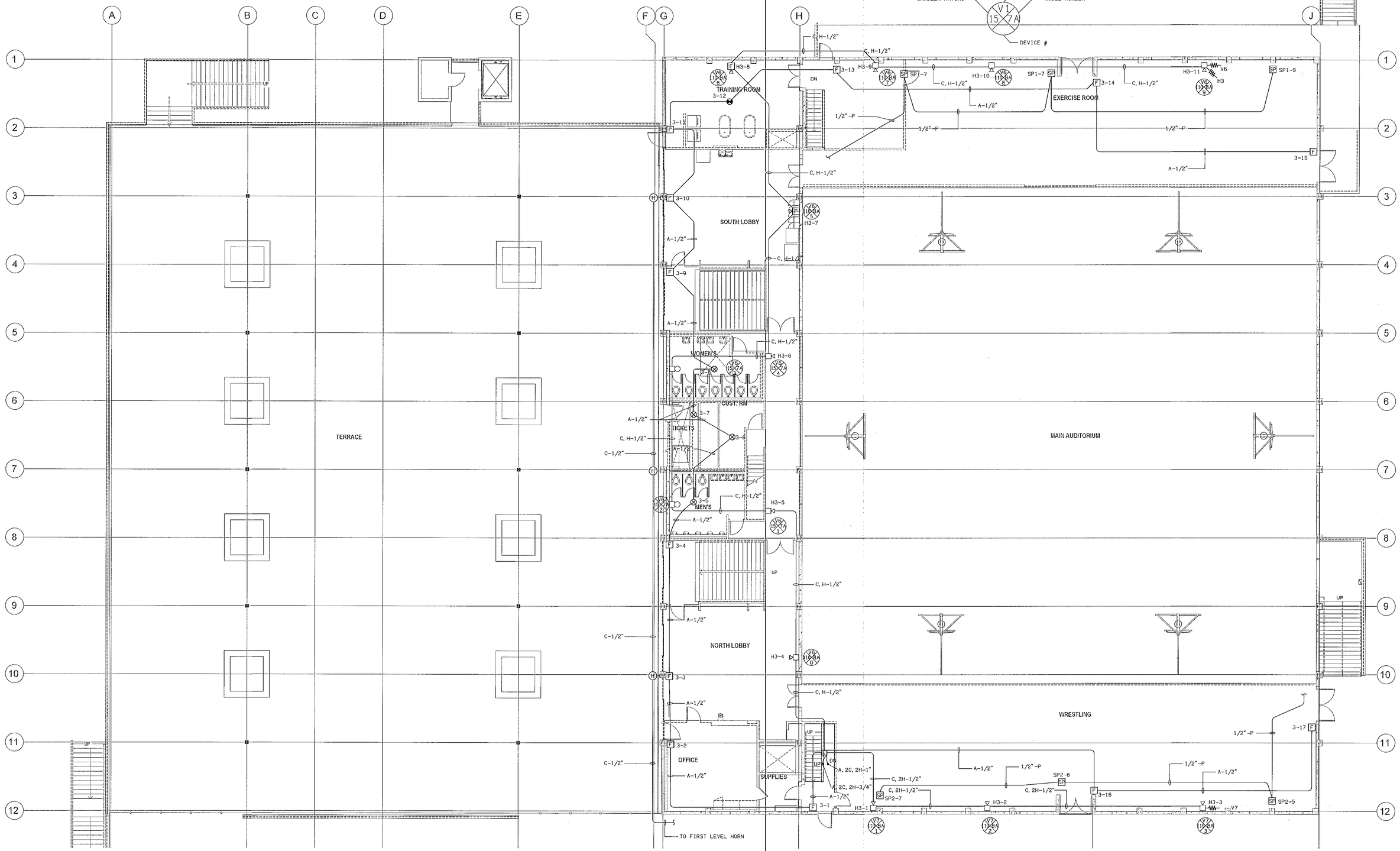
COMPLETE FIRE ALARM SYSTEM SUBMITTAL

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L.A.I.# 16159 - PAPER SIZE 42"x36"

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WILLIAM JORGE AMADOR
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RENEWAL DATE JANUARY 31, 2019
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Exp. 09/30/2018
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EXISTING SECOND FLOOR FIRE ALARM PLAN

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FA0.20

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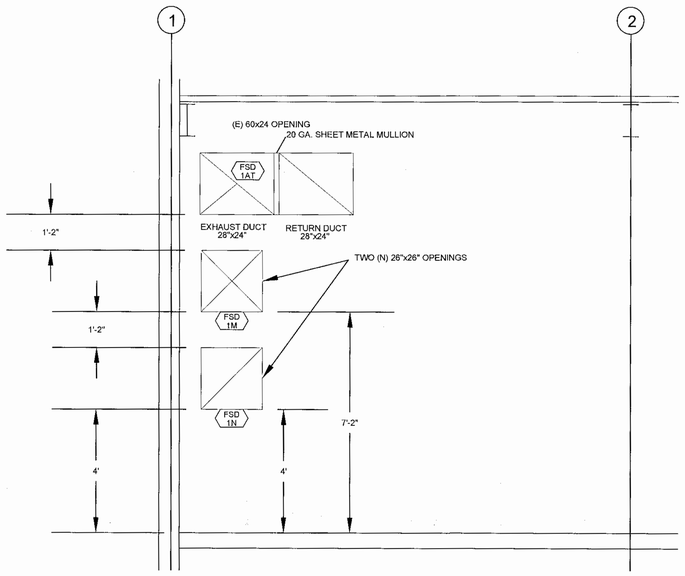
COMPLETE FIRE ALARM SYSTEM SUBMITTAL

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JOB L.A.I.# 16159 PAPER SIZE 42"x36"

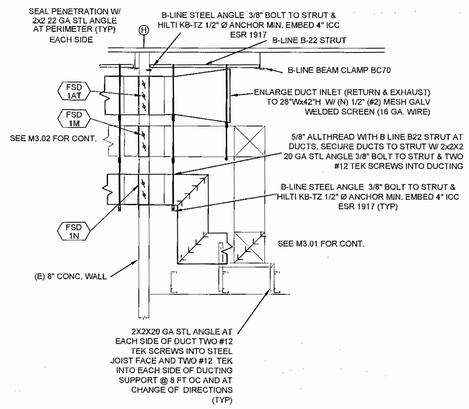
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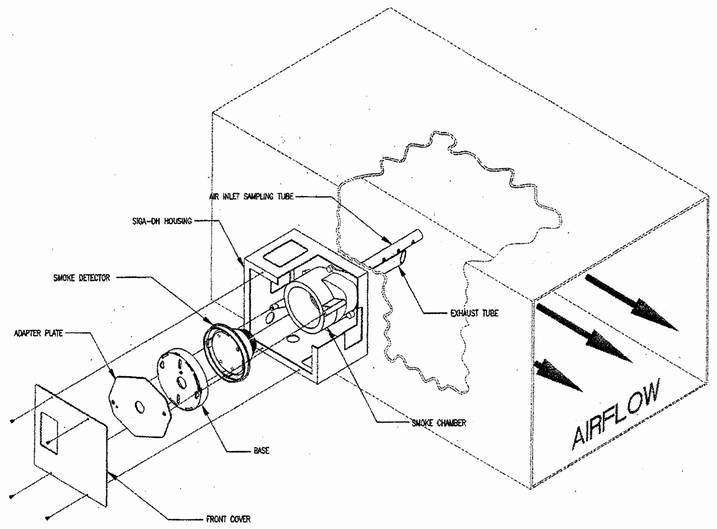
WALL OPENINGS AT GRIDLINE H 6

SCALE: 1/2" = 1'0" – FA0.30



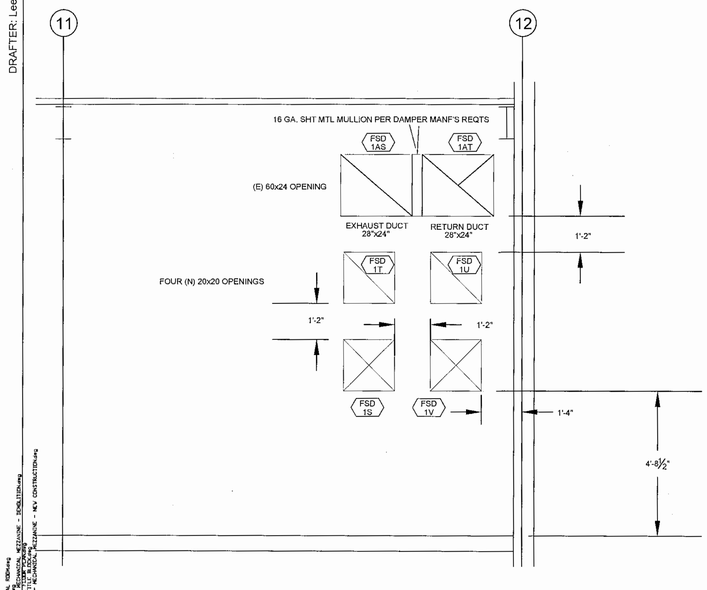
ELEVATION 5

SCALE: 1/4" = 1'0" – FA0.30



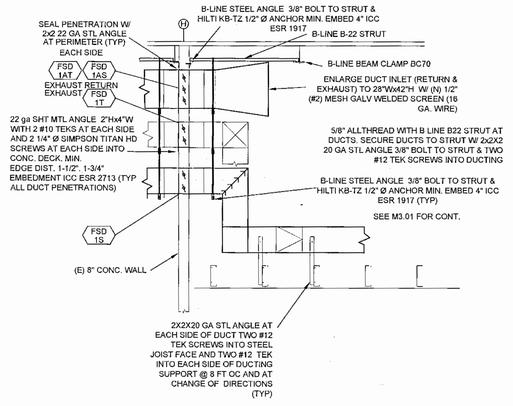
DUCT DETECTOR MOUNTING DETAIL 2

SCALE: NONE – FA0.30



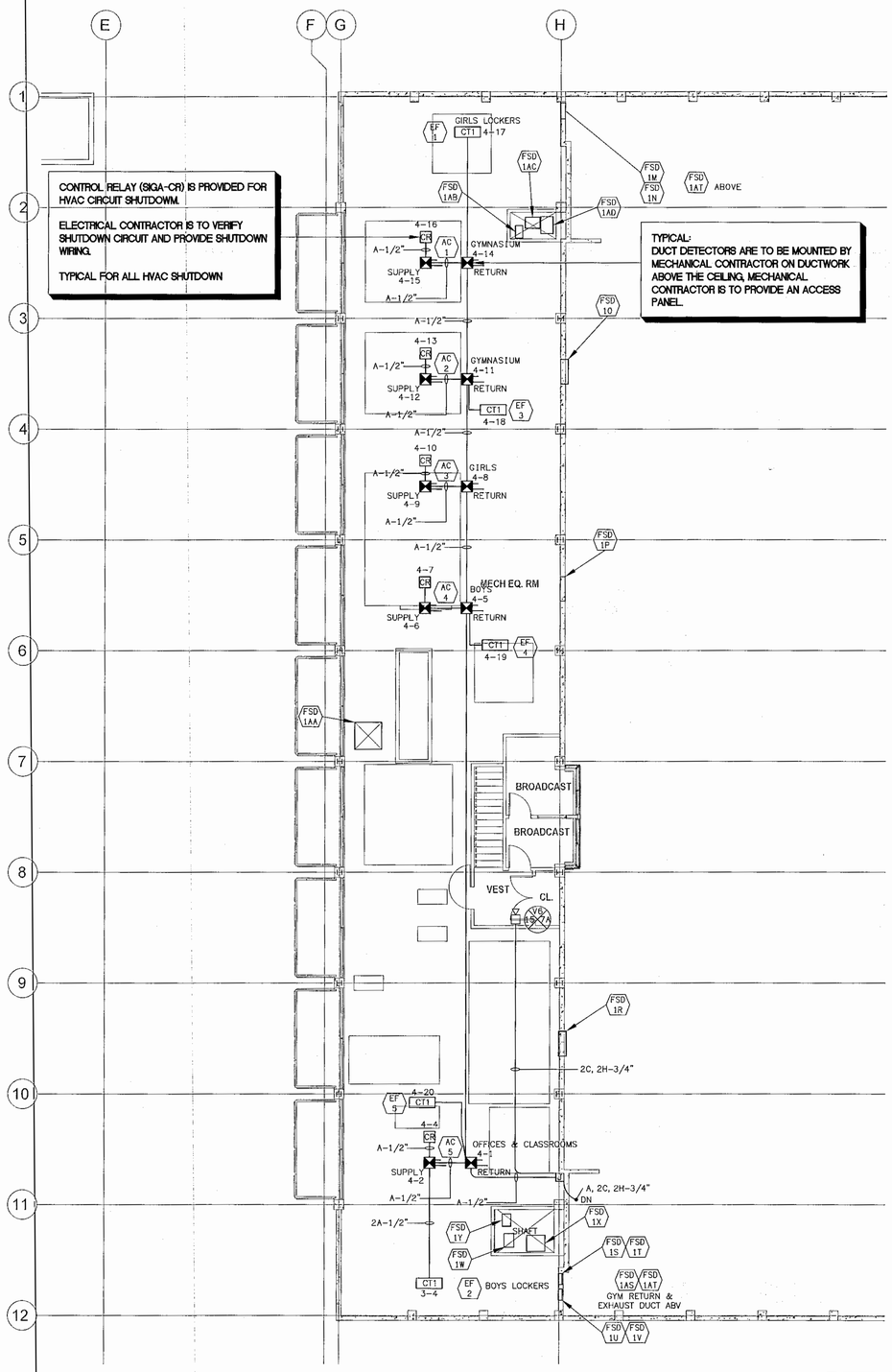
WALL OPENINGS AT GRIDLINE H 4

SCALE: 1/2" = 1'0" – FA0.30



SECTION 3

SCALE: 1/4" = 1'0" – FA0.30



EXISTING MEZZANINE FIRE ALARM PLAN 1

SCALE: 1/8"=1'-0" – FA0.30

N

REFERENCE

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EXISTING MEZZANINE FIRE ALARM PLAN

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DEVICE LEGEND

SYMBOL	QTY.	MODEL	MAKE	DESCRIPTION	CSFM #	MOUNTING
		EST3	EST	-NEW MAIN FIRE ALARM CONTROL PANEL	7165-1657:0186	-WALLBOX PROVIDED
	1	3-CAB7B	EST	-ENCLOSURE	7165-1657:0186	-MOUNTS TO WALL
	1	3-CAB7D	EST	-DOOR ASSEMBLY FOR 3-CAB7	7165-1657:0186	-MOUNTS ON 3-CAB7B
	1	3-CHAS7	EST	-CHASSIS ASSEMBLY FOR 7 LRMS	7165-1657:0186	-1 CHASSIS SPACE IN WALLBOX
	1	3-CPU3	EST	-CENTRAL PROCESSING UNIT	7165-1657:0186	-MOUNTS ON RAIL
	1	3-LCD	EST	-CPU LCD DISPLAY	7165-1657:0186	-MOUNTS ON RAIL
	1	3-RS485B	EST	-NETWORK COMMUNICATION CARD	7165-1657:0186	-MOUNTS ON RAIL
FACP	1	3-MODCOM	EST	-MODEM/DIALER (DACT) VERSION	7165-1657:0186	-MOUNTS ON RAIL
	1	3-SSDC1	EST	-SINGLE SIGNATURE DRIVER CONTROLLER	7165-1657:0186	-MOUNTS ON RAIL
	1	3-LRMF	EST	-BLANK LRM FILLER	N/A	-MOUNTS ON RAIL
	2	3-PPS/M	EST	-PRIMARY POWER SUPPLY	7165-1657:0186	-MOUNTS IN WALLBOX SEE RISER
	1	SLA1116	POWER PATROL	-7.0 AH BATTERY	N/A	-MOUNTS IN WALLBOX MINIMUM 10/17 MANUFACTURER DATE STAMP
	1	3-LCDANN	EST	-REMOTE ANNUNCIATOR	7120-1657:0193	-MOUNTS TO RLCM/B
ANN	1	RLCM/B	EST	-ANNNUNCIATOR WALLBOX (FLUSH MOUNTED)	7120-1657:0193	-MOUNTS TO WALL
	0	N/A	BY OTHERS	-FIRE ALARM TERMINAL CABINET	N/A	-INSTALLED BY OTHERS
ACM	10		EST			
FATC	1	BPS10A	EST	-SIGNAL EXTENDER POWER SUPPLY	7300-1657:0	-WALLBOX PROVIDED
	4	SLA1075	POWER PATROL	-7.2 AH BATTERY X2	N/A	-MOUNTS IN WALLBOX
	22	G4	EST	STROBE/STROBE 15 CANDELA (W=WALL C=CEILING)	7125-1657:02	-4"SQUARE BOX WITH SINGLE GANG RING
CD	2	G4	EST	STROBE/STROBE 30 CANDELA (W=WALL C=CEILING)	7125-1657:02	-4"SQUARE BOX WITH SINGLE GANG RING
			EST			
	9	G4	EST	STROBE/STROBE 75 CANDELA (W=WALL C=CEILING)	7125-1657:02	-4"SQUARE BOX WITH SINGLE GANG RING
	1	G4	EST	STROBE/STROBE 110 CANDELA (W=WALL C=CEILING)	7125-1657:02	-4"SQUARE BOX WITH SINGLE GANG RING
CD	30	G1-VM	EST	-STROBE 15 CANDELA (W=WALL C=CEILING)	7125-1657:02	-4"SQUARE BOX WITH SINGLE GANG RING
	0	G1-VM	EST	-STROBE 30 CANDELA (W=WALL C=CEILING)	7125-1657:02	-4"SQUARE BOX WITH SINGLE GANG RING
	0	G1-VM	EST	-STROBE 60 CANDELA (W=WALL C=CEILING)	7125-1657:0218	-4"SQUARE BOX WITH SINGLE GANG RING
	0	G1-VM	EST	-STROBE 75 CANDELA (W=WALL C=CEILING)	7125-1657:0218	-4"SQUARE BOX WITH SINGLE GANG RING
	0	G1-VM	EST	-STROBE 110 CANDELA (W=WALL C=CEILING)	7125-1657:0218	-4"SQUARE BOX WITH SINGLE GANG RING
	44	SIGA-270	EST	-MANUAL PULL STATION	7150-1657:0129	-4"SQUARE BOX WITH SINGLE GANG RING -SINGLE GANG RING OR OUTLET -"BREAK GLASS TYPE (NOT ACKNOW LEDGE)
(B)	1	438D-10N5-R	EST	-BELL	7136-1657:0150	-449 WEATHER PROOF BOX
DD	163	SIGA-PD	EST	-SMOKE DETECTOR	7272-1657:0126	-MOUNTS TO SIGA-SB BASE
	0	SIGA-SB	EST	-BASE	7300-1657:0120	-4" SQ. BOX WITH 3" "O" RING
HD	0	SIGA-HRS	EST	-HEAT DETECTOR	7270-1657:0125	-MOUNTS TO SIGA-SB BASE
	0	SIGA-SB	EST	-BASE	7300-1657:0120	-4" SQ. BOX WITH 3" "O" RING
CC1	0	SIGA-CC1S	EST	-SIGNAL MODULE	7300-1657:0121	-4" SQ. ELECTRICAL BOX 1-1/2" DEEP
CT1	0	SIGA-CT1	EST	-SINGLE TRANSPONDER	7300-1657:0121	-SINGLE GANG RING
CT2	0	SIGA-CT2	EST	-DUAL TRANSPONDER	7300-1657:0121	-SINGLE GANG RING
MM	0	SIGA-CR	EST	-ADDRESSABLE RELAY	7300-1657:0121	-SINGLE GANG RING
	0	PAM-1	AIRPRODUCTS	-MULTI VOLTAGE RELAY	7300-1004:0101	-SINGLE GANG RING
TF	3	PIBV2	NOTIFIER	-TAMPER FLOW	7770-1209:0149	ONE PER FLOOR
TS	3	PIBV2A	NOTIFIER	-TAMPER SWITCH	7770-1209:0149	ONE AT ENTRY
SD	19	SIGA-PD	EST	SMOKE DUCT DETECTOR	7272-1657:0126	
J	3	N/A	BY OTHERS	-JUNCTION BOX	N/A	
SP	16	G4RTF-S7	EST	-70V SPEAKER - 2W	7320-1657:0211	-4" SQ. DEEP ELECTRICAL BOX
DH	4	1504-AQN5	EST	-DOOR HOLD OPEN DEVICE	3650-1501:0137	24VDC
CO	1	SIGA-COD	EST	CO DETECTOR	5278-1657:0335	-SIGA-SB BASE 4SQ

WIRE LEGEND

TYPE	CONDUCTORS	SIZE	TYPE CABLE	CIRCUIT DESCRIPTION	WIRE COLOR SCHEME	LISTING
A	2	#18AWG	FPL	ADDRESSABLE DEVICE CIRCUIT	RED (+), BLACK (-)	UL AQ224 1424/581 WEST PENN
2A	4	#18AWG	FPL	ADDRESSABLE DEVICE LOOP	RED (+), BLACK (-), BLUE (+), BROWN (-)	UL AQ224 1424/581 WEST PENN
C	2	#14AWG	THHN	STROBE CIRCUIT	YELLOW (+), BLUE (-)	UL 83
2C	4	#14AWG	THHN	STROBE LOOP	YELLOW (+), BLUE (-), YELLOW STRIPED (+), BLUE STRIPED (-)	UL 83
N	4	#16AWG	THHN	NETWORK (RS484) CIRCUIT	RED (+), BLACK (-)	UL 83
P	2	#14AWG	THHN	AUXILIARY POWER CIRCUIT	ORANGE (+), BROWN (-)	UL 83
V	2	#10AWG	THHN	STROBE CIRCUIT	YELLOW (+), BLUE (-)	UL 83
2V	4	#10AWG	THHN	STROBE LOOP	YELLOW (+), BLUE (-), YELLOW STRIPED (+), BLUE STRIPED (-)	UL 83
H	2	#10AWG	THHN	SPEAKER STRANDED	BLACK, RED	UL 83

SEQUENCE OF OPERATION

DEVICE \ ACTION	THROUGHOUT BUILDING SOUND GENERAL ALARM	SOUND TROUBLE BUZZER	ACTIVATE ADDRESSABLE MODULE FOR MONITORING	ANNUNCIATE AT PANEL	TRANSMIT TROUBLE SIGNAL FOR ALL DEVICES & COMPONENTS TO SUPERVISING STATION	TRANSMIT ALARM SIGNAL TO SUPERVISING STATION	ACTIVE REMOTE POWER SUPPLY PANEL (FCPS)	RELEASE DOORS & VISUAL ALARMS FROM F.A. SYSTEM	RECALL ELEVATOR TO PRIMARY RECALL FLOOR & ACTIVATE SMOKE CONTAINMENT SYSTEM	RECALL ELEVATOR TO ALTERNATIVE RECALL FLOOR	SHUT DOWN HVAC UNIT	DOOR HOLD OPEN
MANUAL PULL STATION	●		●	●		●	●	●				●
INDICATING CIRCUIT FAILURE		●		●								
INITIATING CIRCUIT FAILURE		●		●								
AC / BATTERY FAILURE		●		●		●						
F.A. SYSTEM LOW BATTERY		●		●								
TAMPER SWITCH		●		●		●						
SMOKE DETECTORS 3RD FLOOR	●			●		●	●	●	●			●
SMOKE DETECTORS 2ND FLOOR	●			●		●	●	●	●			●
SMOKE DETECTORS 1ST FLOOR	●			●		●	●	●	●	●		●
SMOKE DETECTORS ELEVATOR BASEMENT	●			●		●	●	●	●			●
HEAT DETECTORS	●			●		●	●	●				●
FIRE SMOKE DAMPERS	●		●	●		●		●			●	●
DUCT DETECTORS (COORDINATE WITH SLOPE)	●		●	●		●		●			●	●
ISOLATOR LINE TROUBLE		●		●								
EARTH GROUND FAULT		●			●							
ELECTRICAL ROOM SMOKE	●		●	●		●	●	●		●		●
SMOKE DETECTOR - TOP OF SHAFT									●			

PROJECT NOTES

GENERAL NOTES

1. ALL WIRE SHALL BE IN CONDUIT PER CFC ARTICLE 907.
2. MANUAL PULL STATIONS TO BE MOUNTED AT 48 IN. ABOVE FLOOR SURFACE TO THE CENTER OF THE STATION. (DETAIL 1)
3. MOUNT AUDIO VISUAL 80 IN. ABOVE FINISHED FLOOR TO THE BOTTOM OF THE LIGHT OR 6" FROM BELOW CEILING WHICH EVER IS LOWEST. PER NFPA 72 CHAPTER 18, CFC 907.1.2.
4. MAINTAIN CFC WIRING COLOR CODES.
5. ALL WIRING TO BE AS CALLED FOR IN N.E.C. ARTICLE 760 & CFC 907.
6. IDENTIFY THE FIRE ALARM CIRCUIT AT THE ELECTRICAL PANEL IN RED, PROVIDE A BREAKER LOCK-ON DEVICE. CFC 907.6
7. DEVICE TYPES AND LOCATIONS ARE SHOWN AS CALLED FOR ON THE BID DOCUMENTS.

APPLICABLE CODES

2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, CCR.
2016 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 C.C.R.
(2015 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2016 CALIFORNIA AMENDMENTS).
2016 CALIFORNIA ELECTRICAL CODE - PART 3, TITLE 24 C.C.R.;
2016 CALIFORNIA MECHANICAL CODE- PART 4, TITLE 24 C.C.R.;
2016 CALIFORNIA PLUMBING CODE - PART 5, TITLE 24 C.C.R.;
2016 CALIFORNIA ENERGY CODE (CEC) - PART 6, TITLE 24 C.C.R.
2016 CALIFORNIA HISTORICAL BUILDING CODE (CHBC) - PART 8, TITLE 24 C.C.R.
2016 CALIFORNIA FIRE CODE (2015 IFC) - PART 9, TITLE 24 C.C.R.;
2016 CALIFORNIA REFERENCE STANDARDS CODE - PART 12, TITLE 24 C.C.R.

PARTIAL LIST OF APPLICABLE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS

NFPA 13 (CALIFORNIA AMENDED) - AUTOMATIC SPRINKLER SYSTEMS, 2016 EDITION
NFPA 14 (CALIFORNIA AMENDED) - STANDPIPES SYSTEMS, 2016 EDITION
NFPA 24 (CALIFORNIA AMENDED) - PRIVATE FIRE MAINS, 2016 EDITION
NFPA 72 (CALIFORNIA AMENDED) - NATIONAL FIRE ALARM CODES, 2016 EDITION

SCOPE OF WORK

PROVIDE A NEW ADDRESSABLE FIRE ALARM SYSTEM FOR BUILDING, AUTOMATIC TYPE FOR COMPLETE BUILDING INCLUDING VOICE EVACUATION.

FIRE ALARM ZONE SCHEDULE

THE NEW FIRE ALARM SYSTEM IS A EST3 EDWARD ADDRESSABLE TYPE. EACH INITIATING DEVICE IS ANNUNCIATED AS A UNIQUE ADDRESS OR ZONE AT THE PANEL AND ANNUNCIATOR.

F.A. RACEWAY SIZING

MINIMUM CONDUIT SIZE SHALL BE 3/4" DIAMETER AND SHALL NOT EXCEED 40% FILL.

FIRE ALARM N.A.C. DEVICE NUMBERING KEY

SP 1-5
- 1-5 — NUMBER OF DEVICE IN CIRCUIT OR.
- SP — CIRCUIT NUMBER (NUMBERING STARTS AGAIN AT EACH "FCPS")
- NOTIFICATION APPLIANCE CIRCUIT TYPE (SP=SPEAKER V=VISUAL)

FIRE ALARM ADDRESSABLE DEVICE IDENTIFICATION KEY

1D-015 (IDENTIFICATION MATCHES ACTUAL LED DISPLAY IN "FACP" OR "ANN")
- 015 — 3-DIGIT NUMBER OF ADDRESSABLE DEVICE
- D — "D" DESIGNATED ADDRESSABLE "DEVICE". "M" DESIGNATED "MONITOR" MODULE.
- 1 — SLC LOOP NUMBER

REQUIRED NOTES

THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRIC CODE.

INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE CALIFORNIA DEPT. OF THE STATE ARCHITECT'S FIRE MARSHAL.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE SYSTEM SHALL BE MADE BY INSTALLATION TECHNICIAN PER CFC 901.2.1, PROVIDE STATEMENT OF COMPILATION WHEN WITNESSING FOR THE FINAL TEST BY IOR & LOCAL AHJ. IN THE PRESENCE OF THE LOCAL AHJ IOR SSS FIELD ENGINEER, OWNER AND ENGINEER OF RECORD.

A MINIMUM OF 48 HOURS NOTICE SHALL BE REQUIRED FOR ANY INSPECTION AND/OR TESTING.

ALL DEVICES OF THE FIRE ALARM SYSTEM SHALL BE APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL.

A STAMPED SET OF APPROVED FIRE ALARM PLANS SHALL BE ON THE JOB SITE AND RETAINED ON SITE/PREMISES FOR 5 YEARS PER CFC 901.6.2 / TITLE 19 USED FOR INSTALLATION. ANY DEVIATION FROM APPROVED PLANS, INCLUDING THE SUBSTITUTION OF DEVICES SHALL BE APPROVED BY THE DSA FLS.

ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE, OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR OF RECORD.

A CERTIFICATE OF COMPLIANCE SHALL BE PREPARED BY THE INSTALLER AND GIVEN TO THE FIRE MARSHAL UPON COMPLETION OF THE INSTALLATION.

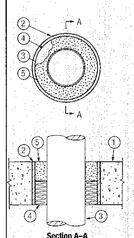
COMPLETE THE NFPA 72 RECORD OF COMPLETION, TESTING ALL DEVICES AND APPLIANCES. PROVIDE A COPY OF THE COMPLETED RECORD OF COMPLETION TO THE OWNER (SCHOOL DISTRICT), ARCHITECT, LOCAL FIRE AUTHORITY AND DSA VIA THE PROJECT INSPECTOR.

MONITOR MODULES SHALL BE INSTALLED WITHIN 36" OF MONITORED DEVICE

SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN 36" OF SUPPLY HVAC REGISTERS

Caulk-Type Materials

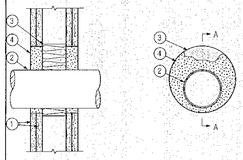
Fire Tests	UL System	Test Criteria	Description
Floor/Wall Assembly	C-AJ-1020[3]	F-Rating 3 Hr. / T-Rating 1 Hr.	1. Concrete floor or wall assembly, minimum 4-1/2" thickness floor/minimum 6-1/2" wall. 2. Steel sleeve (optional). 3. Metallic pipe: A Steel pipe: 6" diameter (or smaller) Schedule 10 (or heavier) steel pipe. B Conduit: 4" diameter (or smaller) electrical metallic tubing (EMT) or 6" diameter rigid steel conduit. 4. Forming material: Mineral wool insulation[2] (minimum 4.0 pcf) firmly packed into the opening as a permanent form; see table below for minimum required thickness. 5. Type AS or Type SS: Minimum thickness of sealant as specified in the table below, applied within the opening, flush with the top surface of the floor or both surfaces of the wall.



Maximum Pipe Diameter (in)	Maximum EMT	Annular Space (in.)	Forming Material Thickness (in.)	Minimum Sealant Thickness (in.)	F Rating (hours)	T Rating (hours)
1-1/2	—	3/8 to 2-1/8	2-1/2	2	3	1
6	4	3/8 to 3/4	3-1/2	1	3	0
6	4	3/8 to 1	2-1/2	2	3	0

Mortar-Type Materials

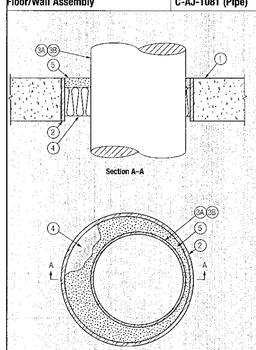
Fire Tests	UL System	Test Criteria	Description
Wall Assembly	W-L-1027[4]	F-Rating 2 Hr. / T-Rating 0 Hr.	1. Gypsum wallboard/stud wall assembly. 2. Metallic pipe: A Conduit: 4" diameter (or smaller) electrical metallic tubing (EMT) or steel conduit. A minimum 1/4" to maximum 2-1/4" annular space between pipe and periphery of opening is required. B Copper tubing: 6" diameter (or smaller) Type M (or heavier) copper tubing. A minimum 1" to maximum 1-5/8" annular space between pipe and periphery of opening is required. C Steel pipe: 4" diameter (or smaller) schedule 10 (or heavier) steel pipe. A minimum 1/4" to maximum 2-1/4" annular space between pipe and periphery of opening is required. D Steel pipe: 6" diameter (or smaller) schedule 10 (or heavier) steel pipe. A minimum 1" to maximum 1-5/8" annular space between pipe and periphery of opening is required. 3. Forming material: Minimum 2-1/2" thick mineral wool insulation[2] (minimum 3.5 pcf) firmly packed into the opening as a permanent form. 4. Type FC: Minimum 1" thick compound applied within opening, flush with both surfaces of the wall.



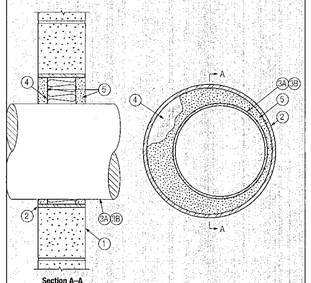
ALL WALL PENETRATIONS MUST BE VERIFIED BY SPECIAL FIELD INSPECTORS SINCE STRUCTURE IS RISK CATAGORY III

Mortar-Type Materials

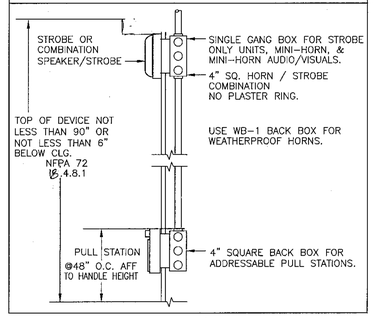
Fire Tests	UL System	Test Criteria	Description
Floor/Wall Assembly	C-AJ-1081 (Pipe)	F-Rating 3 Hr. / T-Rating 0 Hr.	1. Concrete floor or wall assembly, minimum 4-1/2" thickness floor, minimum 6-1/2" wall. The annular space range shall be minimum 1/4" to maximum 4" for 10" diameter steel pipe, 4" or 6" diameter conduit, 4" diameter copper tubing, or cables. The annular space range shall be minimum 1/4" to maximum 1-15/16" for 24" diameter steel pipe, and minimum 1/4" to maximum 1-13/16" for 6" diameter copper tubing or copper pipe. 2. Steel sleeve (optional). 3. Metallic pipe: A Steel pipe: 24" diameter (or smaller) schedule 10 (or heavier) steel pipe. B Conduit: 4" diameter (or smaller) electrical metallic tubing (EMT) or 6" steel conduit. C Copper tubing: 6" diameter (or smaller) Type M (or heavier) copper tubing. D Cables: 100-pair 24 AWG with PVC insulation minimum 10 to 40% maximum fill. 4. Forming material: Minimum 3" of mineral wool insulation[2] (minimum 3.5 pcf) firmly packed into the opening as a permanent form. 5. Type FC or RFC: Minimum 1" thick compound applied within the opening, flush with the top surface of the floor or both surfaces of the wall.



C-AJ-3045 (Cable)[3]

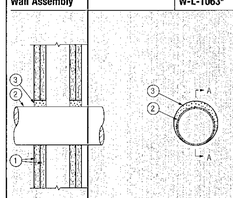


MOUNTING HEIGHT DETAIL 1



Mortar-Type Materials

Fire Tests	UL System	Test Criteria	Description
Wall Assembly	W-L-1063[3]	F-Rating 2 Hr. / T-Rating 0 Hr.	1. Gypsum wallboard/stud wall assembly. The annular space range shall be minimum 1/4" to maximum 1-5/8". 2. Metallic pipe: A Steel pipe: 3-1/2" diameter (or smaller) Schedule 10 (or heavier) steel pipe. B Conduit: 3-1/2" diameter (or smaller) electrical metallic tubing (EMT) or steel conduit. C Copper tubing: 4" diameter (or smaller) Type M (or heavier) copper tubing. 3. Type FC or RFC: Minimum 1" thick compound applied within opening, flush with both surfaces of the wall.



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DATE 06-19-18

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REGISTERED PROFESSIONAL ENGINEER No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

FIRE ALARM GENERAL NOTES AND DEVICES LEGEND

IF THIS SHEET IS NOT 36" X 48", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY.

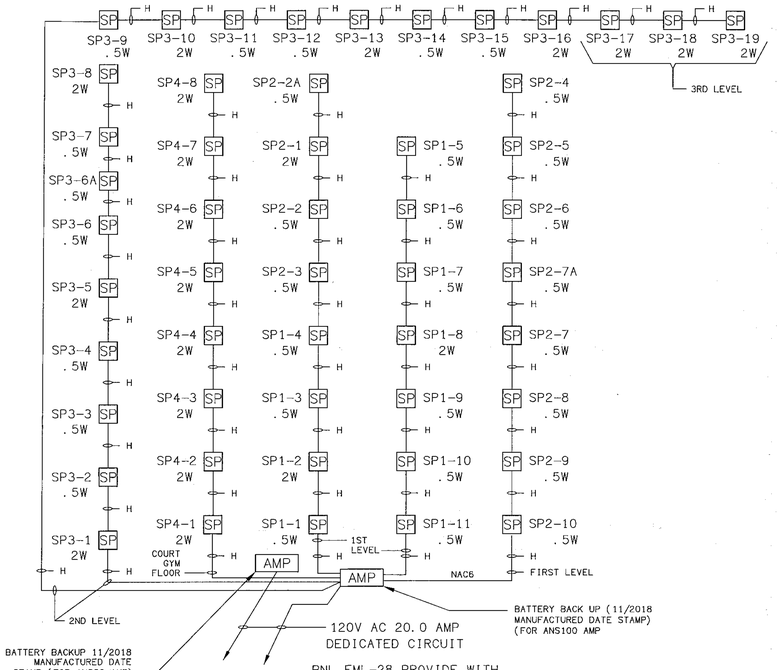
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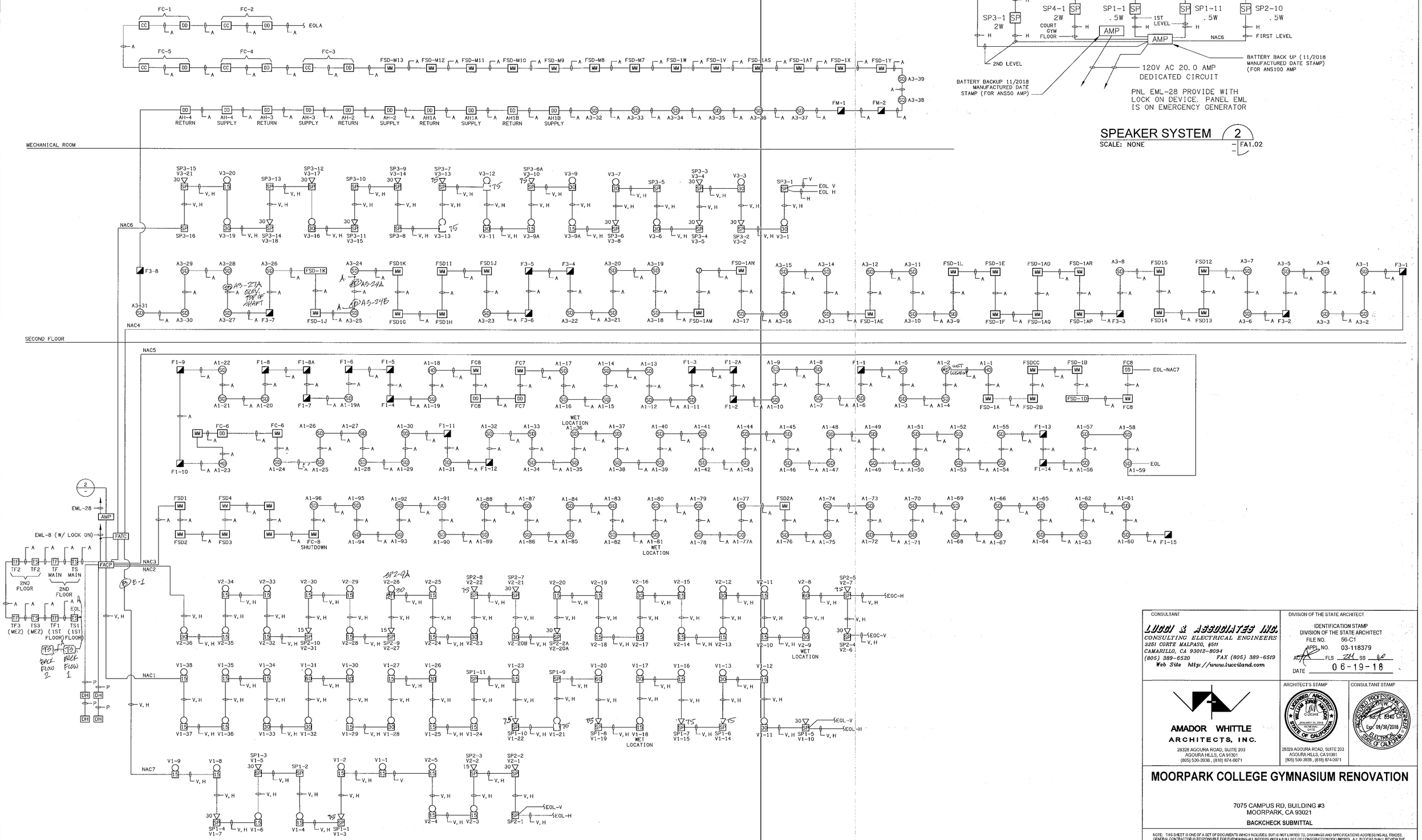
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PATHNAME: G:\16\159\EL\Sheets\GYM DATE: 22 March 2018 TIME: 5:09 pm
DRAWING FILENAME: 16159FA1.01
DRAFTER: Lee Keener

SPEAKER LOAD PER AMP
ANS-50 WATT AMP = 16 WATTS
ANS-100 WATT AMP = 39.5 WATTS



SPEAKER SYSTEM 2
SCALE: NONE — FA1.02



RISER DIAGRAM 1
SCALE: NONE — FA1.02

COMPLETE BUILDING FIRE ALARM SYSTEM SUBMITTAL

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CONSULTANT STAMP

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	CHECK: K.L.
	JOB NO: 16-MPC-023

NEW RISER DIAGRAM
FIRE ALARM PLAN

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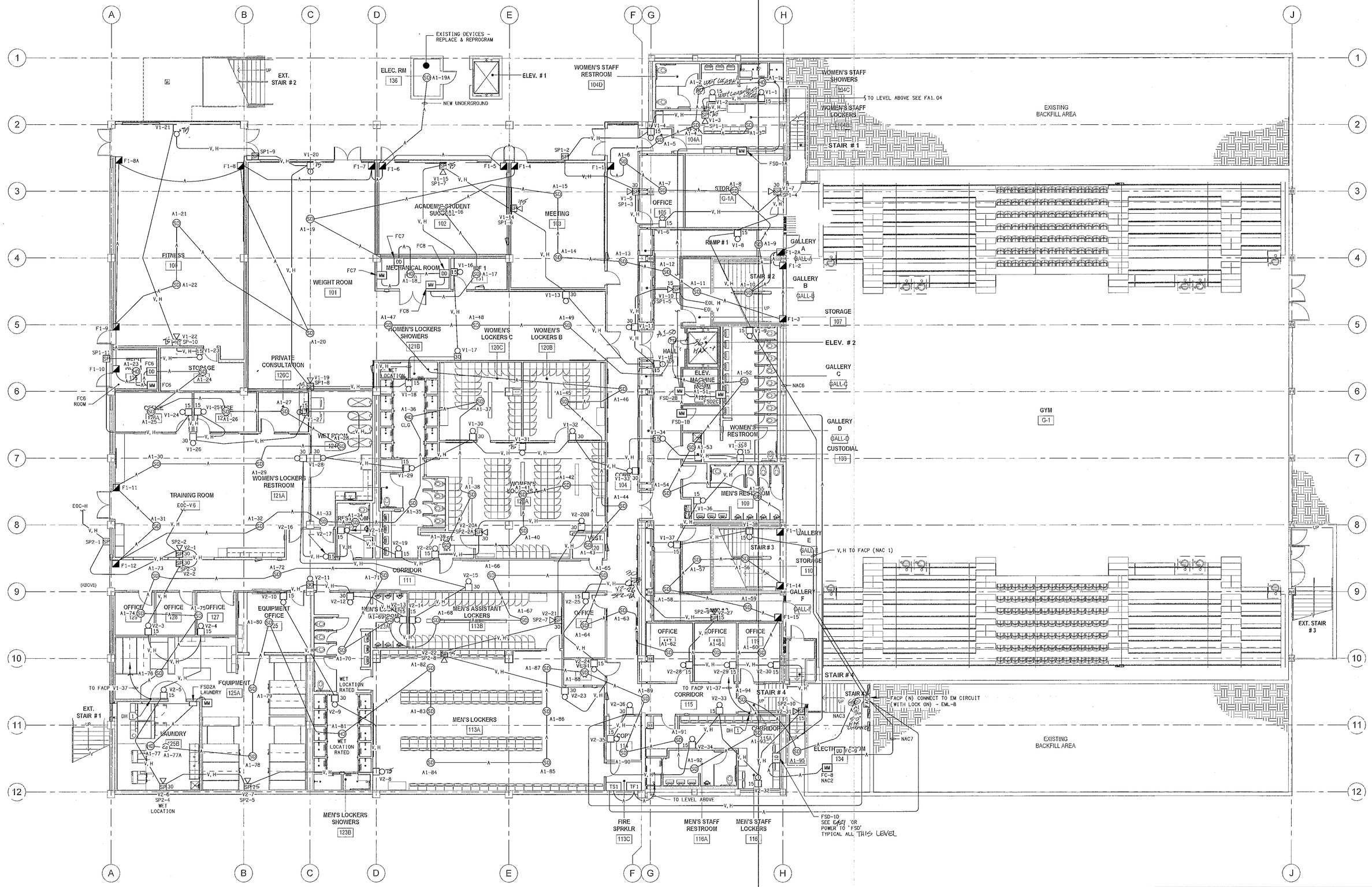
FA1.02 — __ OF __

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G:\16\159\ELS\Sheets\GYM\16159FA1.02.dwg Mar 22, 2018, 5:09pm Lee Keener



FIRST FLOOR - FIRE ALARM PLAN

SCALE: 1/8"=1'-0"

1 / FA1.03

SHEET NOTES:

1. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
2. 3/4" CONDUIT MINIMUM UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL COMMUNICATION CABLING PER CABLE MANUFACTURERS RECOMMENDATIONS.
4. MAXIMUM 180 DEGREE OF BEND BETWEEN PULL POINTS.
5. RUN COMMUNICATION CABLING IN CABLE TRAY TO MAXIMUM EXTENT POSSIBLE. WHERE CABLING IS NOT IN CABLE TRAY, CABLE SHALL BE IN CONDUIT.
6. UNIQUELY LABEL BOTH ENDS OF ALL CABLING.
7. ALL CONDUIT SHALL BE RED IN COLOR.

KEY NOTES:

1. DOOR HOLD OPEN DEVICE (2 FA Lo4)

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ARCHITECT'S STAMP

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REGISTERED PROFESSIONAL ENGINEER ROBERT W. LUCCI No. E 8340 Exp 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

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	CHECK: K.L.
	JOB NO: 16-MPC-023

FIRST FLOOR - FIRE ALARM PLAN

FA1.03

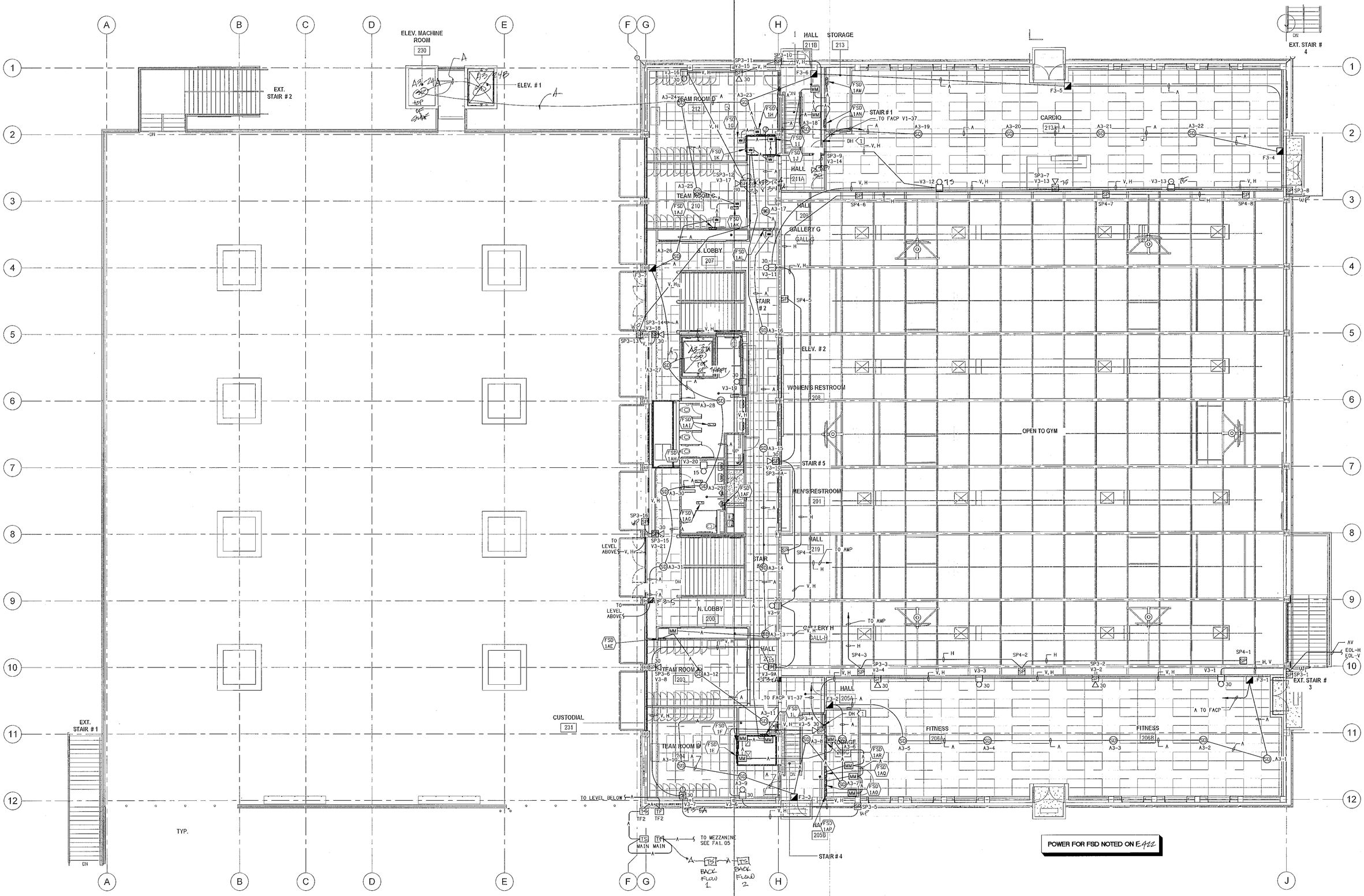
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L.A.I.# 16159 PAPER SIZE 42"x36"

C:\16\159\E\Sheets\GYM\16159FA1.03.dwg Mar 22, 2018, 5:09pm Lee Keener

DATE: 22 March 2018 TIME: 5:09 pm
PATHNAME: G:\16\159\E\LS\Sheets\GYM
DRAWING FILENAME: 16159FA1.03
DRAFTER: Lee Keener

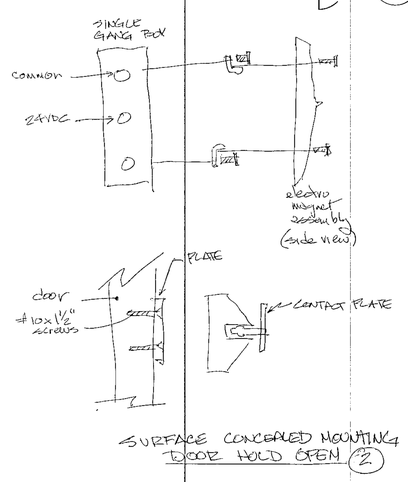


1/8"=1'-0" 0 4' 8' 16' 24'

SECOND FLOOR - FIRE ALARM PLAN

SCALE: 1/8"=1'-0"

1 / FA1.04



SHEET NOTES:

1. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
2. 3/4" RED CONDUIT MINIMUM UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL COMMUNICATION CABLING PER CABLE MANUFACTURERS RECOMMENDATIONS.
4. MAXIMUM 180 DEGREE OF BEND BETWEEN PULL POINTS.
5. RUN COMMUNICATION CABLING IN CABLE TRAY TO MAXIMUM EXTENT POSSIBLE. WHERE CABLING IS NOT IN CABLE TRAY, CABLE SHALL BE IN CONDUIT.
6. UNIQUELY LABEL BOTH ENDS OF ALL CABLING.

KEY NOTES:

(1) DOOR HOLD OPEN DEVICE (24VDC)

CONSULTANT

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DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
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ARCHITECT'S STAMP

LICENSED ARCHITECT WILLIAM JORGE AMADOR C-26548 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA

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REGISTERED PROFESSIONAL ENGINEER MICHAEL PHILIP LUCCI No. E 8340 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

SECOND FLOOR - FIRE ALARM PLAN

FA1.04

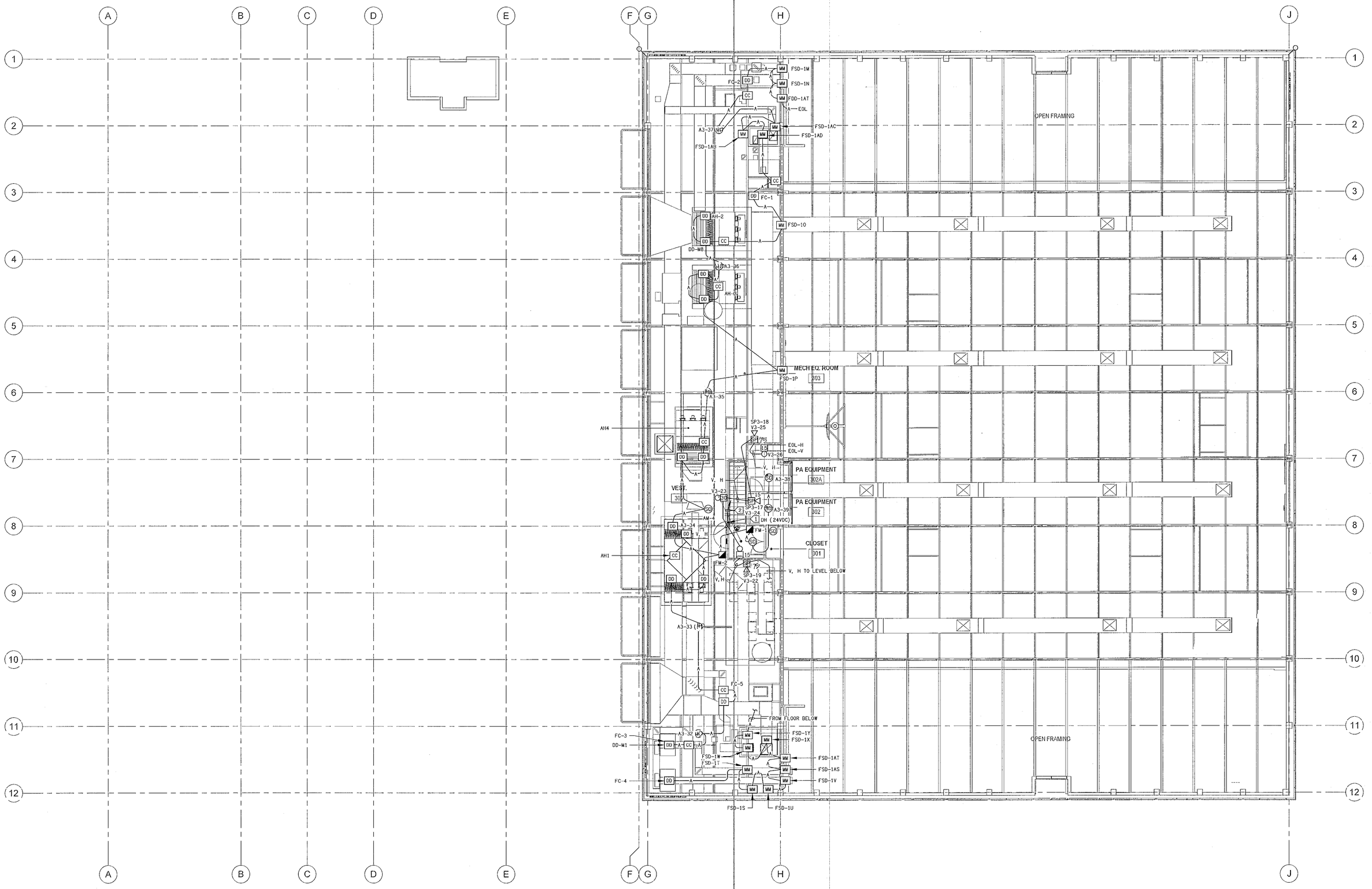
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L.A.I.# 16159 PAPER SIZE 42"x36"

DRAFTER: Lee Keener DRAWING FILENAME: 16159FA1.04 PATHNAME: G:\16\16159\ELI\Sheets\GYM DATE: 22 March 2018 TIME: 5:09 pm

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1/8"=1'-0" 0 4' 8' 16' 24'

MEZZANINE - FIRE ALARM PLAN

SCALE: 1/8"=1'-0"

1 / FA1.05

KEY NOTES:

1. DOOR HOLD OPEN DEVICE (24VDC).
2. TO FACP V1-37

SEE E423 FOR POWER TO FIRE SMOKE DAMPERS

CONSULTANT

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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC FLS SS
DATE 06-19-18

ARCHITECT'S STAMP

LICENSED ARCHITECT WILLIAM AMADOR C-30346 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

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CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER MICHAEL K. LUCCI No. E 8540 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

MEZZANINE - FIRE ALARM PLAN

FA1.05

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L.A.J. 16159 PAPER SIZE 42"x36"

DRAFTER: Lee Keener DRAWING FILENAME: 16159FA1.05 PATHNAME: G:\16\159\EL\Sheets\GYM DATE: 22 March 2018 TIME: 5:09 pm

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BATTERY CALCULATIONS

Total Current	
Standby	0.075 A
Alarm	7.259 A

Device	Secondary Non-Alarm Current Qty		Draw	Non-Alarm	Secondary Alarm Current Qty		Draw	Alarm
1. System Modules								
HPFF8 Main Circuit Board	1	x	0.07500	0.07500	1	x	0.20600	0.20600
2. NAC #1								
STROBE 15CD	13	x	0.00000	0.00000	13	x	0.06600	0.85800
STROBE 30CD	9	x	0.00000	0.00000	9	x	0.09400	0.84600
STROBE 60CD	7	x	0.00000	0.00000	7	x	0.15800	1.10600
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
NAC #1 Totals (Max 3 Amps):			0.00000					2.81000
3. NAC #2								
STROBE 15CD	20	x	0.00000	0.00000	20	x	0.06600	1.32000
STROBE 30CD	9	x	0.00000	0.00000	9	x	0.09400	0.84600
STROBE 60CD	3	x	0.00000	0.00000	3	x	0.15800	0.47400
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
NAC #2 Totals (Max 3 Amps):			0.00000					2.64000
4. NAC #3								
SMOKE DETECTOR	36	x	0.00000	0.00000	36	x	0.01800	0.64800
HEAT DETECTOR	1	x	0.00000	0.00000	1	x	0.10900	0.10900
C.O. DETECTOR	1	x	0.00000	0.00000	1	x	0.01800	0.01800
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
NAC #3 Totals (Max 3 Amps):			0.00000					0.77500
4. NAC #4								
SMOKE DETECTOR	46	x	0.00000	0.00000	46	x	0.01800	0.82800
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
NAC #4 Totals (Max 3 Amps):			0.00000					0.82800
6. Auxiliary Power								
Auxiliary Device	0	x	0.00000		0	x	0.00000	
Auxiliary Device	0	x	0.00000		0	x	0.00000	
Auxiliary Device	0	x	0.00000		0	x	0.00000	
Auxiliary Device	0	x	0.00000		0	x	0.00000	
Auxiliary Device	0	x	0.00000		0	x	0.00000	
TB4 Totals (Max 2 Amps):			0.00000					0.00000
7. Compatible Devices not listed								
Other compatible devices	0	x	0.00000		0	x	0.00000	
Other compatible devices	0	x	0.00000		0	x	0.00000	
Other compatible devices	0	x	0.00000		0	x	0.00000	
Total Non-Alarm Load:			0.075		Total Alarm Load:			7.259

Load Requirements **4.34** Amp Hours
Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Standby Load 0.075 A	x	Required Standby Time 24 hours	1.80
Alarm Load 7.259 A	x	Required Alarm Time (hours) 0.250 hours	1.81
		Total Secondary Load	3.61
		◉ USA ○ Canada Derating factor	x1.2
		Secondary Load Requirements	**4.34** AH

Battery Selection **7** Amp Hours x2 UNITS
Select batteries from the list below.
7.0 AH BAT-1270 Battery (12 volt)
◉ Two ○ Four (two 12VDC sets in parallel)

ANS Audio Panel Battery Calculations

ANS50

Item	Qty		Standby Current (Amps)	Total Standby	Alarm Current (Amps)	Total Alarm
ANS100 - 100W Amp		x	0.18	0	0	0
ANS50 - 50W Amp	1 x		0.13	0.13	1.0	1.0
ANS25 - 25W Amp		x	0.18	0	1.0	0
ANSREMSUP - Remote Mic Sup Module	1 x		0.03	0.03	0.05	0.05
ANSREM - Remote Mic	1 x		0.02	0.02	0.04	0.04
ANSZSC4A - Class A Converter	1 x		0.038	0.038	0.048	0.048
ANSZS - Zone Splitter		x	0.045	0	0.13	0
ANSRSI8 - Remote Serial Interface	1 x		0.01	0.01	0.01	0.01
ANSAUX - Audio Matching I/O	1 x		0.015	0.015	0.035	0.035
ANSBKUP - Backup Amp Module	1 x		0.04	0.04	0.01	0.01

Totals = 0.283 Amps, 1.193 Amps
24 Stdby Hrs., 15 Alarm Mins.
0.250 Alarm Hrs.
6.792 + 0.298 = 7.09 AH
x 1.2
Battery Size = 8.508 Amp Hours

Batteries larger than 7AH require separate battery cabinet.
2 x 7AH IN SEPARATE BATTERY CABINET FOR ANS50

BATTERY CALCULATIONS

Total Current	
Standby	0.075 A
Alarm	5.177 A

Device	Secondary Non-Alarm Current Qty		Draw	Non-Alarm	Secondary Alarm Current Qty		Draw	Alarm
1. System Modules								
HPFF8 Main Circuit Board	1	x	0.07500	0.07500	1	x	0.20600	0.20600
2. NAC #5								
SMOKE DETECTOR	62	x	0.00000	0.00000	62	x	0.01800	1.11600
HEAT DETECTOR	3	x	0.00000	0.00000	3	x	0.10900	0.32700
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
NAC #5 Totals (Max 3 Amps):			0.00000					1.44300
3. NAC #6								
STROBE 15CD	3	x	0.00000	0.00000	3	x	0.06600	0.19800
STROBE 30CD	17	x	0.00000	0.00000	17	x	0.09400	1.59800
STROBE 60CD	4	x	0.00000	0.00000	4	x	0.15800	0.63200
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
NAC #6 Totals (Max 3 Amps):			0.00000					2.42800
4. NAC #7								
STROBE 15CD	10	x	0.00000	0.00000	10	x	0.06600	0.66000
STROBE 30CD	3	x	0.00000	0.00000	3	x	0.09400	0.28200
STROBE 60CD	1	x	0.00000	0.00000	1	x	0.15800	0.15800
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
NAC #7 Totals (Max 3 Amps):			0.00000					1.10000
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
NAC # Totals (Max 3 Amps):			0.00000					0.00000
6. Auxiliary Power								
Auxiliary Device	0	x	0.00000		0	x	0.00000	
Auxiliary Device	0	x	0.00000		0	x	0.00000	
Auxiliary Device	0	x	0.00000		0	x	0.00000	
Auxiliary Device	0	x	0.00000		0	x	0.00000	
Auxiliary Device	0	x	0.00000		0	x	0.00000	
TB4 Totals (Max 2 Amps):			0.00000					0.00000
7. Compatible Devices not listed								
Other compatible devices	0	x	0.00000		0	x	0.00000	
Other compatible devices	0	x	0.00000		0	x	0.00000	
Other compatible devices	0	x	0.00000		0	x	0.00000	
Total Non-Alarm Load:			0.075		Total Alarm Load:			5.177

Load Requirements **3.71** Amp Hours
Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Standby Load 0.075 A	x	Required Standby Time 24 hours	1.80
Alarm Load 5.177 A	x	Required Alarm Time (hours) 0.250 hours	1.29
		Total Secondary Load	3.09
		◉ USA ○ Canada Derating factor	x1.2
		Secondary Load Requirements	**3.71** AH

Battery Selection **7** Amp Hours x2 UNITS
Select batteries from the list below.
7.0 AH BAT-1270 Battery (12 volt)
◉ Two ○ Four (two 12VDC sets in parallel)

ANS Audio Panel Battery Calculations

ANS100

Item	Qty		Standby Current (Amps)	Total Standby	Alarm Current (Amps)	Total Alarm
ANS100 - 100W Amp	1 x		0.18	0.18	2.5	2.5
ANS50 - 50W Amp		x	0.13	0	1.0	0
ANS25 - 25W Amp		x	0.18	0	1.0	0
ANSREMSUP - Remote Mic Sup Module	1 x		0.03	0.03	0.05	0.05
ANSREM - Remote Mic	1 x		0.02	0.02	0.04	0.04
ANSZSC4A - Class A Converter	1 x		0.038	0.038	0.048	0.048
ANSZS - Zone Splitter		x	0.045	0	0.13	0
ANSRSI8 - Remote Serial Interface	1 x		0.01	0.01	0.01	0.01
ANSAUX - Audio Matching I/O	1 x		0.015	0.015	0.035	0.035
ANSBKUP - Backup Amp Module	1 x		0.04	0.04	0.01	0.01

Totals = 0.333 Amps, 2.693 Amps
24 Stdby Hrs., 15 Alarm Mins.
0.250 Alarm Hrs.
7.992 + 0.6732 = 8.6652 AH
x 1.2
Battery Size = 10.3982 Amp Hours

Batteries larger than 7AH require separate battery cabinet.
2 x 7AH IN SEPARATE BATTERY CABINET FOR ANS100

VOLTAGE DROP CALCULATIONS

CALCULATION: $\frac{I \times FEET \times 21.6}{C.M.}$ = VOLTS DROPPED

I = TOTAL CIRCUIT CURRENT
THUS (VOLTAGE DROP) = APPLIED VOLTAGE (24 VOLTS) x 100(PERCENT) = PERCENT OF VOLTAGE DROP
FEET = ONE WAY DISTANCE IN FEET MEASURED FROM SOURCE TO THE LAST DEVICE.
21.6 = FORMULA CONSTANT
C.M. = CROSS SECTIONAL AREA OF CONDUCTOR IN CIRCULAR MILS. SEE CHART BELOW

WIRE SIZE	WIRE RESISTANCE	CIR. MILS
AWG 10	1.24 PER 1000'	10380
AWG 12	1.59 PER 1000'	6530
AWG 14	2.52 PER 1000'	4110
AWG 16	4.02 PER 1000'	2580
AWG 18	6.39 PER 1000'	1620

TYPE A 15CD STROBE 0.066 | TYPE B 30CD STROBE 0.094 | TYPE C 75CD STROBE 0.158

PANEL LEVEL	APPLIANCE CIRCUIT	NUMBER OF DEVICES	= TOTAL CURRENT	x DISTANCE IN FEET	x 21.6 ÷ CIRCULAR MILS	= VOLTS DROPPED	APPLIED VOLTS	x 100 PRECENT	= % OF VOLTAGE DROP
FACP	NAC-1	29	2.81	x 210'	x 21.6 ÷ 10380	= 1.22	÷ 24	x 100	= 5.1%

VOLTAGE DROP CALCULATIONS

CALCULATION: $\frac{I \times FEET \times 21.6}{C.M.}$ = VOLTS DROPPED

I = TOTAL CIRCUIT CURRENT
THUS (VOLTAGE DROP) = APPLIED VOLTAGE (24 VOLTS) x 100(PERCENT) = PERCENT OF VOLTAGE DROP
FEET = ONE WAY DISTANCE IN FEET MEASURED FROM SOURCE TO THE LAST DEVICE.
21.6 = FORMULA CONSTANT
C.M. = CROSS SECTIONAL AREA OF CONDUCTOR IN CIRCULAR MILS. SEE CHART BELOW

WIRE SIZE	WIRE RESISTANCE	CIR. MILS
AWG 10	1.24 PER 1000'	10380
AWG 12	1.59 PER 1000'	6530
AWG 14	2.52 PER 1000'	4110
AWG 16	4.02 PER 1000'	2580
AWG 18	6.39 PER 1000'	1620

TYPE A 15CD STROBE 0.066 | TYPE B 30CD STROBE 0.094 | TYPE C 75CD STROBE 0.158

PANEL LEVEL	APPLIANCE CIRCUIT	NUMBER OF DEVICES	= TOTAL CURRENT	x DISTANCE IN FEET	x 21.6 ÷ CIRCULAR MILS	= VOLTS DROPPED	APPLIED VOLTS	x 100 PRECENT	= % OF VOLTAGE DROP
FACP	NAC-2	32	2.64	x 230'	x 21.6 ÷ 10380	= 1.26	÷ 24	x 100	= 5.2%

VOLTAGE DROP CALCULATIONS

CALCULATION: $\frac{I \times FEET \times 21.6}{C.M.}$ = VOLTS DROPPED

I = TOTAL CIRCUIT CURRENT
THUS (VOLTAGE DROP) = APPLIED VOLTAGE (24 VOLTS) x 100(PERCENT) = PERCENT OF VOLTAGE DROP
FEET = ONE WAY DISTANCE IN FEET MEASURED FROM SOURCE TO THE LAST DEVICE.
21.6 = FORMULA CONSTANT
C.M. = CROSS SECTIONAL AREA OF CONDUCTOR IN CIRCULAR MILS. SEE CHART BELOW

WIRE SIZE	WIRE RESISTANCE	CIR. MILS
AWG 10	1.24 PER 1000'	10380
AWG 12	1.59 PER 1000'	6530
AWG 14	2.52 PER 1000'	4110
AWG 16	4.02 PER 1000'	2580
AWG 18	6.39 PER 1000'	1620

TYPE A 15CD STROBE 0.066 | TYPE B 30CD STROBE 0.094 | TYPE C 75CD STROBE 0.158

PANEL LEVEL	APPLIANCE CIRCUIT	NUMBER OF DEVICES	= TOTAL CURRENT	x DISTANCE IN FEET	x 21.6 ÷ CIRCULAR MILS	= VOLTS DROPPED	APPLIED VOLTS	x 100 PRECENT	= % OF VOLTAGE DROP
FACP	NAC-3	38	.775	x 240'	x 21.6 ÷ 10380	= .388	÷ 24	x 100	= 1.62%

VOLTAGE DROP CALCULATIONS

CALCULATION: $\frac{I \times FEET \times 21.6}{C.M.}$ = VOLTS DROPPED

I = TOTAL CIRCUIT CURRENT
THUS (VOLTAGE DROP) = APPLIED VOLTAGE (24 VOLTS) x 100(PERCENT) = PERCENT OF VOLTAGE DROP
FEET = ONE WAY DISTANCE IN FEET MEASURED FROM SOURCE TO THE LAST DEVICE.
21.6 = FORMULA CONSTANT
C.M. = CROSS SECTIONAL AREA OF CONDUCTOR IN CIRCULAR MILS. SEE CHART BELOW

WIRE SIZE	WIRE RESISTANCE	CIR. MILS
AWG 10	1.24 PER 1000'	10380
AWG 12	1.59 PER 1000'	6530
AWG 14	2.52 PER 1000'	4110
AWG 16	4.02 PER 1000'	2580
AWG 18	6.39 PER 1000'	1620

TYPE A 15CD STROBE 0.066 | TYPE B 30CD STROBE 0.094 | TYPE C 75CD STROBE 0.158

PANEL LEVEL	APPLIANCE CIRCUIT	NUMBER OF DEVICES	= TOTAL CURRENT	x DISTANCE IN FEET	x 21.6 ÷ CIRCULAR MILS	= VOLTS DROPPED	APPLIED VOLTS	x 100 PRECENT	= % OF VOLTAGE DROP
FACP	NAC-6	24	.42	x 255'	x 21.6 ÷ 10380	= 1.28	÷ 24	x 100	= 5.36%

VOLTAGE DROP CALCULATIONS

CALCULATION: $\frac{I \times FEET \times 21.6}{C.M.}$ = VOLTS DROPPED

I = TOTAL CIRCUIT CURRENT
THUS (VOLTAGE DROP) = APPLIED VOLTAGE (24 VOLTS) x 100(PERCENT) = PERCENT OF VOLTAGE DROP
FEET = ONE WAY DISTANCE IN FEET MEASURED FROM SOURCE TO THE LAST DEVICE.
21.6 = FORMULA CONSTANT
C.M. = CROSS SECTIONAL AREA OF CONDUCTOR IN CIRCULAR MILS. SEE CHART BELOW

WIRE SIZE	WIRE RESISTANCE	CIR. MILS
AWG 10	1.24 PER 1000'	10380
AWG 12	1.59 PER 1000'	6530
AWG 14	2.52 PER 1000'	4110
AWG 16	4.02 PER 1000'	2580
AWG 18	6.39 PER 1000'	1620

TYPE A 15CD STROBE 0.066 | TYPE B 30CD STROBE 0.094 | TYPE C 75CD STROBE 0.158

PANEL LEVEL	APPLIANCE CIRCUIT	NUMBER OF DEVICES	= TOTAL CURRENT	x DISTANCE IN FEET	x 21.6 ÷ CIRCULAR MILS	= VOLTS DROPPED	APPLIED VOLTS	x 100 PRECENT	= % OF VOLTAGE DROP
FACP	NAC-7	14	1.10	x 305'	x 21.6 ÷ 10380	= .699	÷ 24	x 100	= 2.9%

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #51
CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519
Web Site http://www.lucciland.com

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC FLS SS
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

ARCHITECT'S STAMP
LICENSED ARCHITECT WILLIAM JOHN WHITTLE No. C-23518 RENEWAL DATE JANUARY 31, 2019 STATE OF CALIFORNIA
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER MATTHEW LUCCI No. E 8540 Exp. 09/30/2018 ELECTRICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

NOTE: THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS AND SPECIFICATIONS ADDRESSING ALL TRADES. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BIDDERS WITH A FULL SET OF CONSTRUCTION DOCUMENTS. ALL BIDDERS SHALL REVIEW THE ENTIRE SET OF DOCUMENTS. IF THERE IS A CONFLICT BETWEEN DISCIPLINES, THE MOST EXPENSIVE OPTION SHALL BE BID.

REVISIONS	DATE: 03/26/2018
	DRAWN: S.F.
	CHECK: K.L.
	JOB NO: 16-MPC-023

FIRE ALARM BATTERY CALCULATIONS

FA1.06

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE. SCALE DRAWINGS ACCORDINGLY.

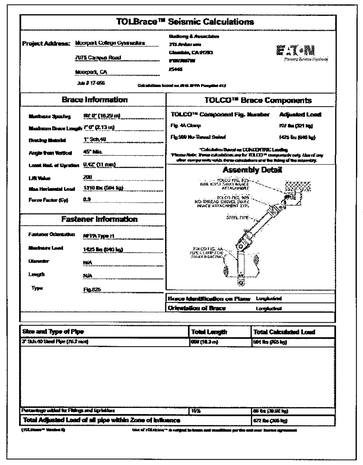
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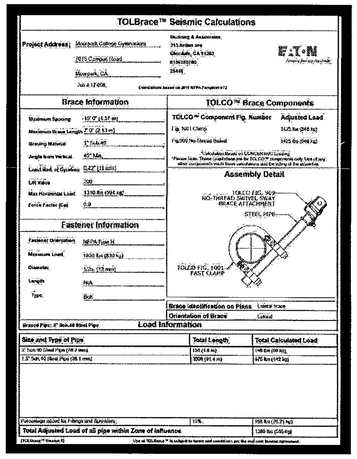
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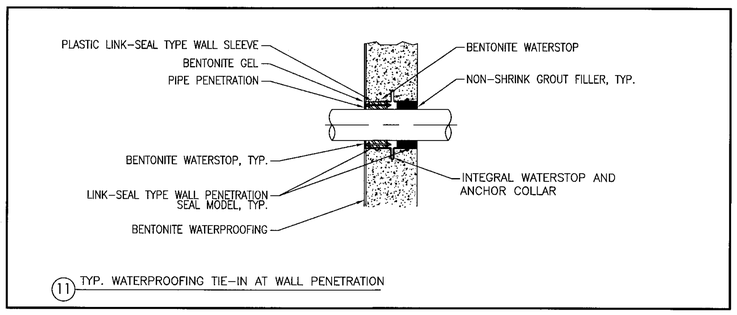
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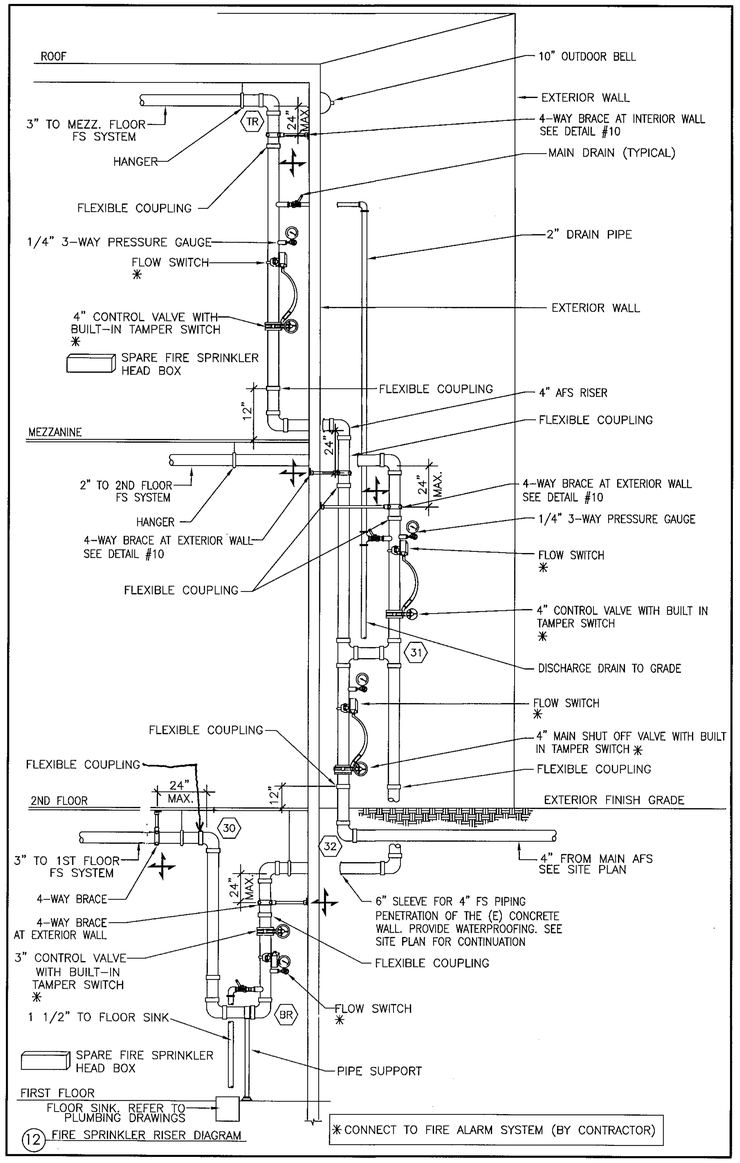
SEE ARCHITECTURAL SHEET A5.15B FOR FIRE RATED WALL AND FLOOR PENETRATION DETAILS







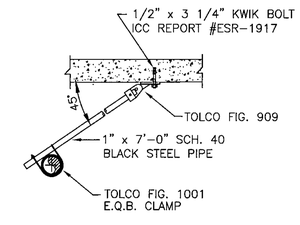
11 TYP. WATERPROOFING TIE-IN AT WALL PENETRATION



12 FIRE SPRINKLER RISER DIAGRAM

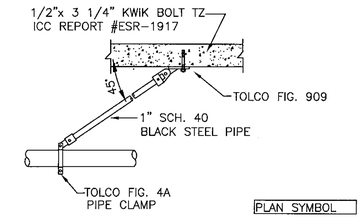
* CONNECT TO FIRE ALARM SYSTEM (BY CONTRACTOR)

METHOD OF ATTACHMENT: CONCRETE



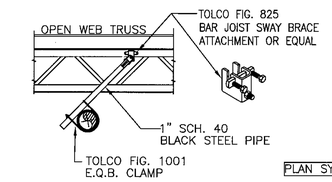
4 LATERAL SWAY BRACE

METHOD OF ATTACHMENT: CONCRETE



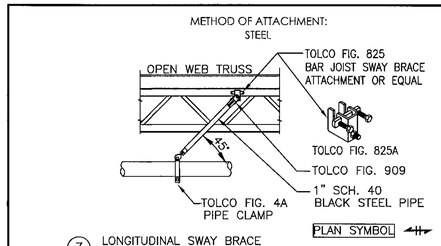
5 LONGITUDINAL SWAY BRACE

METHOD OF ATTACHMENT: STEEL



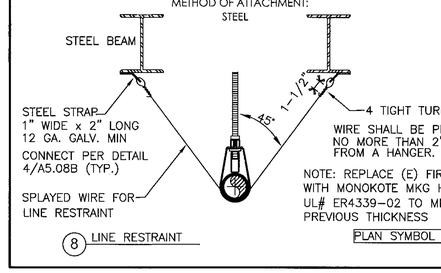
6 LATERAL SWAY BRACE

METHOD OF ATTACHMENT: STEEL

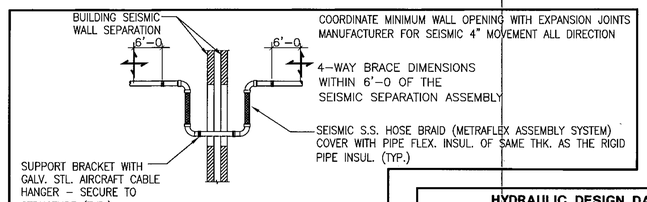


7 LONGITUDINAL SWAY BRACE

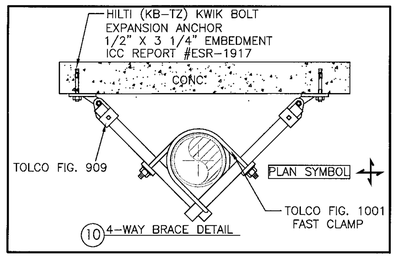
METHOD OF ATTACHMENT: STEEL



8 LINE RESTRAINT

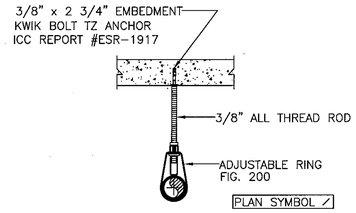


9 FLEX SEISMIC EXPANSION JOINT DETAIL
N.T.S



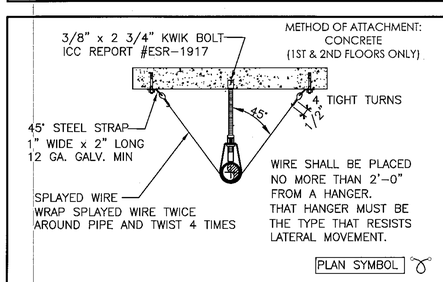
10 4-WAY BRACE DETAIL

METHOD OF ATTACHMENT: CONCRETE (1ST & 2ND FLOORS ONLY)

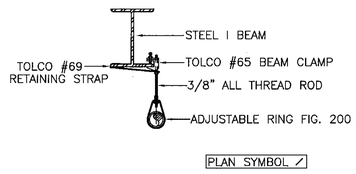


1 CONCRETE WEDGE ANCHOR

METHOD OF ATTACHMENT: CONCRETE (1ST & 2ND FLOORS ONLY)



2 HANGER
BRANCH LINE RESTRAINT WIRE



3 HANGER
C-CLAMP W / RET. STRAP

SPRINKLER LEGENDS

⊗	FIRE SPRINKLER RISER
∩	DROP DN
/	HANGER
—	NEW PIPING (SCH. 40)
●	TYCO CONCEALED PENDENT QR SPRINKLER
◉	TYCO RECESSED PENDENT QR SPRINKLER
⊠	TYCO UPRIGHT QR SPRINKLER
◁	TYCO HORIZONTAL SIDEWALL QR SPRINKLER
	2-WAY SWAY BRACE (LONGITUDINAL)
	2-WAY SWAY BRACE (LATERAL)
	4-WAY SWAY BRACE
	SPLAYED SEISMIC RESTRAINT WIRE
(#)	HYDRAULIC NODE REFERENCE
(TR)	TOP OF RISER
(BR)	BOTTOM OF RISER

HYDRAULIC DESIGN DATA-1

A.H.J.	DIVISION OF THE STATE ARCHITECT
DESIGN STD.	LIGHT HAZARD
PIPE TYPES	1" TO 8" SCH. 40 BLK. STEEL
SPRINKLER ORIFICE	1/2 inch
AREA LOCATION	GYMNASIUM
# OF FLOWING SPRINKLERS	12
DENSITY	.10 GPM/SQ.FT.
REMOTE AREA	2,250 SQ.FT.
COVERAGE	210 SQ. FT./SPRINKLER HEAD
DEMAND AT SOURCE CONNECTION	
TOTAL FLOW(INCLUD. HOSE)	382.0 G.P.M.
REQ. PRESSURE	87.7 PSI
INSIDE HOSE STREAM	00 G.P.M.
OTHER HOSE STREAM	100 G.P.M.
TOTAL DISCHARGE FROM ACTIVE SPRINKLERS	282.0 G.P.M.

HYDRAULIC DESIGN DATA-3

A.H.J.	DIVISION OF THE STATE ARCHITECT
DESIGN STD.	ORDINARY HAZARD GR. II
PIPE TYPES	1" TO 8" SCH. 40 BLK. STEEL
SPRINKLER ORIFICE	1/2 inch
AREA LOCATION	MEZZANINE MECH. EQUIP. RM. 303
# OF FLOWING SPRINKLERS	17
DENSITY	.20 GPM/SQ.FT.
REMOTE AREA	1,500 SQ.FT.
COVERAGE	96 SQ. FT./SPRINKLER HEAD
DEMAND AT SOURCE CONNECTION	
TOTAL FLOW(INCLUD. HOSE)	596.5 G.P.M.
REQ. PRESSURE	71.4 PSI
INSIDE HOSE STREAM	00 G.P.M.
OTHER HOSE STREAM	100 G.P.M.
TOTAL DISCHARGE FROM ACTIVE SPRINKLERS	346.5 G.P.M.

HYDRAULIC DESIGN DATA-2

A.H.J.	DIVISION OF THE STATE ARCHITECT
DESIGN STD.	ORDINARY HAZARD GR. II
PIPE TYPES	1" TO 8" SCH. 40 BLK. STEEL
SPRINKLER ORIFICE	1/2 inch
AREA LOCATION	EQUIPMENT ROOM 125A
# OF FLOWING SPRINKLERS	17
DENSITY	.20 GPM/SQ.FT.
REMOTE AREA	1,060 SQ.FT.
COVERAGE	72 SQ. FT./SPRINKLER HEAD
DEMAND AT SOURCE CONNECTION	
TOTAL FLOW(INCLUD. HOSE)	564.7 G.P.M.
REQ. PRESSURE	49.5 PSI
INSIDE HOSE STREAM	00 G.P.M.
OTHER HOSE STREAM	250 G.P.M.
TOTAL DISCHARGE FROM ACTIVE SPRINKLERS	314.7 G.P.M.

APPLICABLE CODES

LIST OF 2016 CALIFORNIA CODE OF REGULATIONS (C.C.R.):
APPLICABLE CODES AS OF JANUARY 1, 2017

PART 1 2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.

PART 2 2016 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. (2015 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)

PART 3 2016 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R. (2014 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)

PART 4 2016 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R. (2015 UNIFORM MECHANICAL OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

PART 5 2016 CALIFORNIA PLUMBING CODE TITLE 24 C.C.R. (2015 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

PART 6 2016 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.

PART 8 2016 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.

PART 9 2016 CALIFORNIA FIRE CODE, TITLE 24 C.C.R. (2015 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)

PART 10 2016 CALIFORNIA EXISTING BUILDING CODE (2015 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)

PART 11 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALIFORNIA CODE), TITLE 24 C.C.R.

PART 12 2016 CALIFORNIA REFERENCE STANDARDS CODE, TITLE 24 C.C.R.

PARTIAL LIST OF APPLICABLE STANDARDS:

2016 CALIFORNIA BUILDING CODE (for SFM) REFERENCED STANDARDS CHAPTER 35

NFPA 13 AUTOMATIC SPRINKLER SYSTEMS (CALIFORNIA AMENDED) 2016 EDITION

NFPA 24 PRIVATE FIRE SERVICE MAINS (CALIFORNIA AMENDED) 2016 EDITION

NFPA 72 NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")

FIRE SPRINKLER NOTES

1. IT IS THE RESPONSIBILITY OF THE OWNER TO PROPERLY MAINTAIN THE FIRE PROTECTION SYSTEM IN AN OPERABLE CONDITION AT ALL TIMES.
2. ONLY NEW SPRINKLERS SHALL BE EMPLOYED IN THE INSTALLATION OF THE SPRINKLER SYSTEM.
3. SYSTEM PIPING SHALL BE HYDROSTATICALLY TESTED AT 200 PSI FOR TWO HOURS OR AT 50 PSI ABOVE THE MAXIMUM SYSTEM OPERATING PRESSURE, WHICHEVER IS GREATER. ASTM A 135 PIPE PRODUCTS HAVE A WORKING PRESSURE RATING OF 300 PSI MAXIMUM.
4. FIRE PROTECTION PLANS SHALL BE APPROVED PRIOR TO THE INSTALLATION OF ANY PIPE. A SET OF APPROVED PLANS SHALL BE MAINTAINED AT ALL TIMES AT THE JOB SITE.
5. A STOCK OF SPARE SPRINKLERS OF EACH STYLE, TYPE, AND TEMPERATURE RATING ALONG WITH A SPRINKLER WRENCH SHALL BE LOCATED AT THE MAIN RISER.
6. ALL PIPING 1" THROUGH 8" SHALL BE SCH.40 BLK. STEEL PIPE WITH THREADED OUTLETS FITTINGS, AND JOINED WITH ROLLED GROOVED FITTINGS. MECH. OUTLETS TO BE UL. LISTED.
7. ALL SYSTEM COMPONENTS SHALL BE U.L. LISTED AND F.M. APPROVED.
8. ALL PIPES SHALL BE BRACED PER NFPA-13, 2016 STANDARDS.
9. ALL SPRINKLERS HEADS THROUGHOUT SHALL BE QUICK RESPONSE TYPE.
10. CLEARANCE SHALL BE PROVIDED AROUND ALL PIPING EXTENDING THROUGH WALLS, PER NFP-13, 2016 STANDARDS.

BUILDING CODE ANALYSIS

A. OCCUPANCY GROUP: A-4 & B NOTE: OBSTRUCTED / UNOBSTRUCTED
B. CONSTRUCTION TYPE: TYPE I-A (FULLY SPRINKLERED THROUGHOUT)

SHEET INDEX

NUMBER	SHEET TITLE
FP1.1	GENERAL NOTES AND DETAILS
FP1.2	FIRST FLOOR FIRE SPRINKLER DEMOLITION PLAN
FP1.3	SECOND FLOOR FIRE SPRINKLER DEMOLITION PLAN
FP1.4	MEZZANINE FLOOR FIRE SPRINKLER DEMOLITION RCP
FP2.1	SITE PLAN
FP2.2	FIRST FLOOR FIRE SPRINKLER PIPING PLAN
FP2.3	SECOND FLOOR FIRE SPRINKLER PIPING PLAN
FP2.4	MEZZANINE FLOOR FIRE SPRINKLER PIPING PLAN

SCOPE OF WORK

ALL EXISTING FIRE SPRINKLER SYSTEM SERVING PIPING, RELATED ASSEMBLIES INCLUDING DDCV (DOUBLE DETECTOR CHECK VALVE ASSEMBLIES), AND EXISTING FDC LOCATED ON THE FACE OF THE BUILDING NEAR THE EXISTING DDCV SHALL BE DEMOLISHED AND PROVIDE NEW FIRE SPRINKLER SYSTEM WITH RELATED ASSEMBLIES THROUGHOUT GEMNASIUM BUILDING COMPLYING WITH NFPA-13, 2016 STANDARDS, DSA AND VENTURA COUNTY FIRE DEPT. REQUIREMENTS.

CONSULTANT
Mechanical Electrical Plumbing Fire Alarm
BUDLONG & ASSOCIATES, INC
CONSULTING ENGINEERS
CAMARILLO OFFICE 1404 N. LEWIS ROAD, SUITE 201 CAMARILLO, CA 93010 TEL (805) 987-7477
GLENDALE OFFICE 140 S. KENWOOD ST. SUITE 201 GLENDALE, CA 91205 TEL (818) 956-8700
REGISTERED PROFESSIONAL ENGINEER JAMES A. JORDAN No. 25418 EXPIRES 6-30-19 MECHANICAL STATE OF CALIFORNIA
JOB 617-056

DIVISION OF THE STATE ARCHITECT
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DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS 2H SS 80
DATE 06-19-18

AMADOR WHITTLE ARCHITECTS, INC.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

REGISTERED PROFESSIONAL ENGINEER WILLIAM GREGORY No. C20348 EXPIRES JANUARY 31, 2019 MECHANICAL STATE OF CALIFORNIA

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

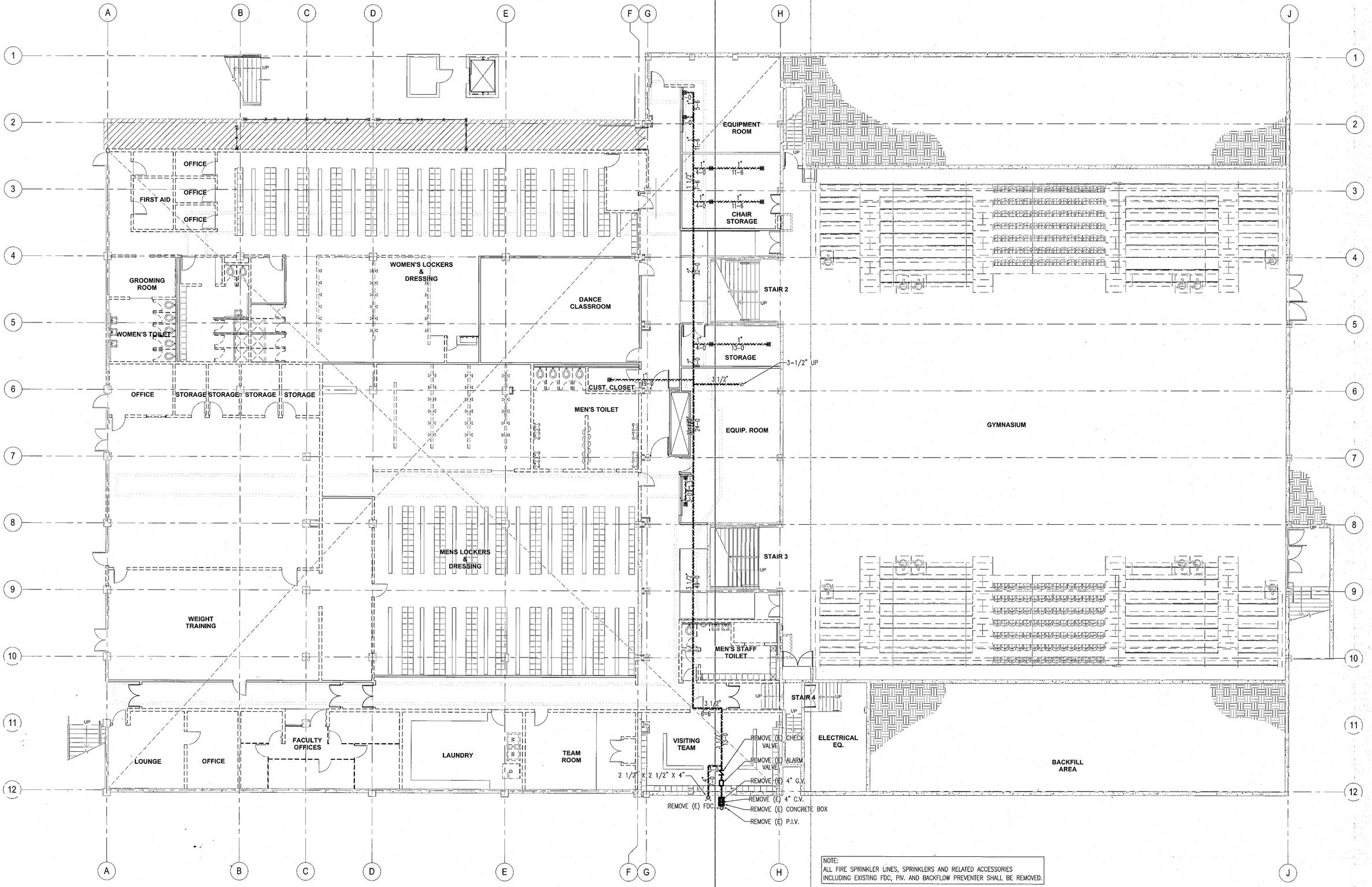
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REVISIONS	DATE: 03/26/18
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	CHECK: WG
	JOB NO: 16-MPC-023

GENERAL NOTES AND DETAILS

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

FP1.1 ___ OF ___



NOTE:
ALL FIRE SPRINKLER LINES, SPRINKLERS AND RELATED ACCESSORIES INCLUDING EXISTING FDC, P/V. AND BACKFLOW PREVENTER SHALL BE REMOVED.

1 FIRST FLOOR FIRE SPRINKLER PIPING DEMOLITION PLAN

SCALE: 1/8" = 1'-0

NORTH

CONSULTANT

Mechanical Electrical Plumbing Fire Alarm

BUDLONG & ASSOCIATES, INC
CONSULTING ENGINEERS

☐ CAMARILLO OFFICE
400 W. VENTURA BLVD., SUITE 240
CAMARILLO, CA 93010
TEL: (805) 987-4800

☑ GLENDALE OFFICE
710 HIDDEN VAL, SUITE 23
GLENDALE, CA 91203
TEL: (818) 548-5756

JOB #17-056

REGISTERED PROFESSIONAL ENGINEER
JAMES A. BUDLONG
No. 25548
EXPIRES 9-18
STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

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APPL. NO. 03-118379
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DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT
WILLIAM JORGE WILSON
C-30356
JANUARY 31, 2019
RENEWAL DATE
STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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FIRST FLOOR FIRE SPRINKLER PIPING DEMOLITION PLAN

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE; SCALE DRAWINGS ACCORDINGLY

FP1.2

___ OF ___



1 SECOND FLOOR FIRE SPRINKLER PIPING DEMOLITION PLAN
1/8" = 1'-0"

NORTH

CONSULTANT

Mechanical Electrical Plumbing Fire Alarm
BUDLONG & ASSOCIATES, INC
CONSULTING ENGINEERS
CAMARILLO OFFICE 2220 OTAY LAKES RD., SUITE 502 CAMARILLO, CA 93010 TEL: (805) piping-4527
GLENDALE OFFICE 1901 AVENUE OF THE STARS, SUITE 211 GLENDALE, CA 91213 TEL: (818) 839-8750

REGISTERED PROFESSIONAL ENGINEER JAMES A. JORDAN No. 25448 EXPIRES 6-30-18 CIVIL STATE OF CALIFORNIA

JOB #17-056

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL NO. 03-118379
AC FLS SS
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AMADOR WHITTLE
ARCHITECTS, INC.

REGISTERED PROFESSIONAL ENGINEER WILLIAM JOE AMADOR No. C030348 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

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AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

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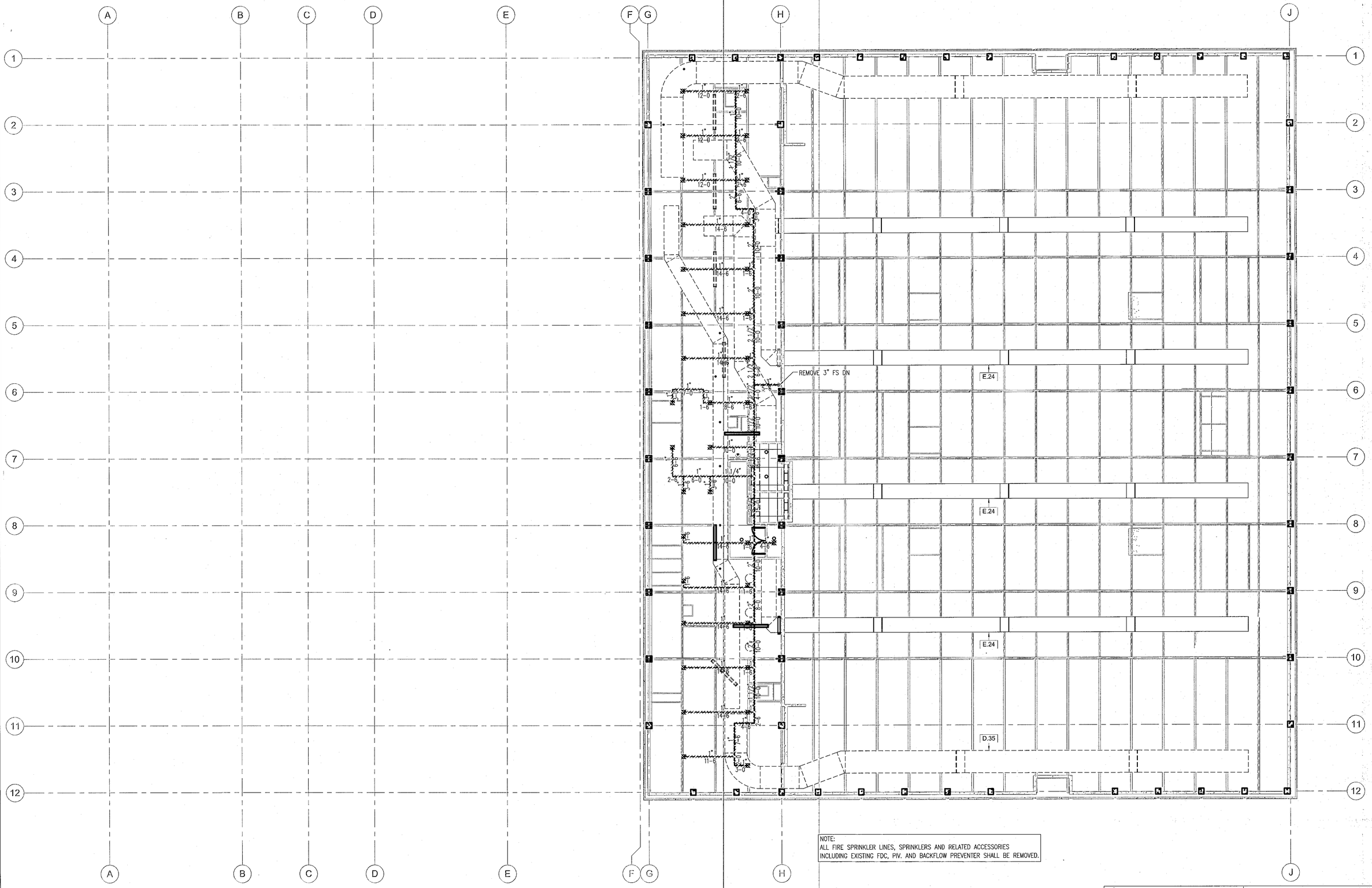
REVISIONS	DATE: 03/26/18
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SECOND FLOOR FIRE SPRINKLER PIPING DEMOLITION PLAN

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

FP1.3

___ OF ___



NOTE:
ALL FIRE SPRINKLER LINES, SPRINKLERS AND RELATED ACCESSORIES INCLUDING EXISTING FDC, PIV. AND BACKFLOW PREVENTER SHALL BE REMOVED.

NORTH

1 MEZZANINE FLOOR FIRE SPRINKLER PIPING DEMOLITION PLAN
1/8" = 1'-0"

CONSULTANT

Mechanical Electrical Plumbing Fire Alarm

BUDLONG & ASSOCIATES, INC
CONSULTING ENGINEERS
www.budlong.com

CHAMBLEE OFFICE
1855 W. HORTON BLVD., SUITE 240
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REGISTERED PROFESSIONAL ENGINEER
JAMES A. JORDAN
No. 25446
EXP. 08-31-19
MECHANICAL
STATE OF CALIFORNIA

JOB #17-056

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO. 56-C1
APPL. NO. 03-118379
AC ___ FLS ZM SS ___
DATE 06-19-18

AMADOR WHITTLE
ARCHITECTS, INC.

LICENSED ARCHITECT
WILLIAM GIL
No. C-32348
JANUARY 31, 2019
RENEWAL DATE
STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

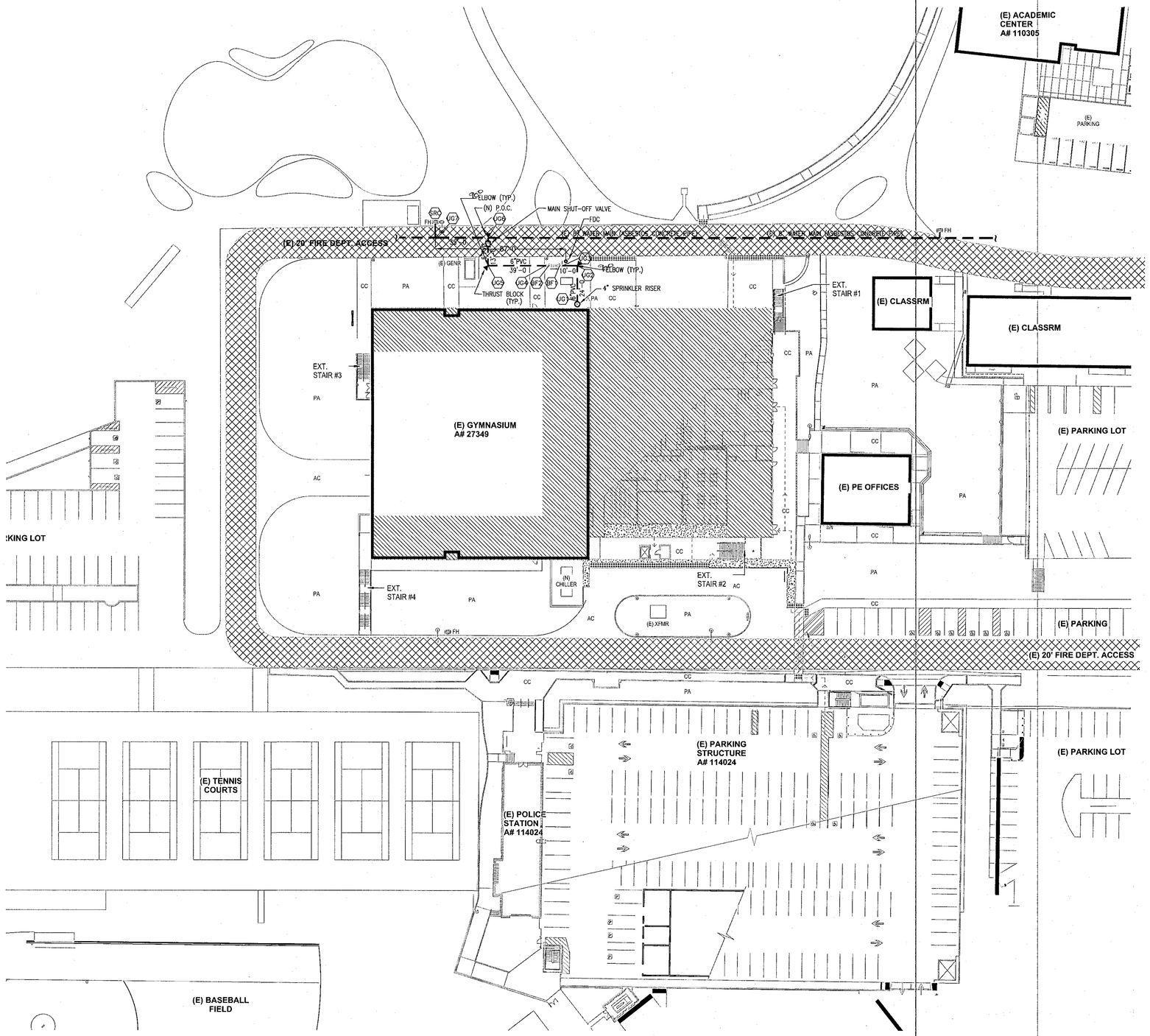
BACKCHECK SUBMITTAL

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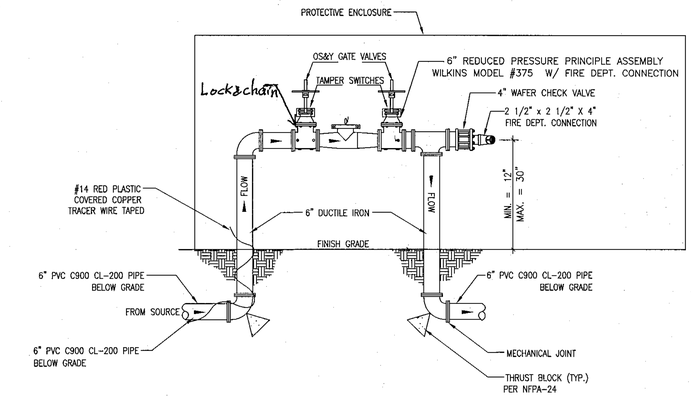
REVISIONS	DATE: 03/26/18
	DRAWN: SM
	CHECK: WG
	JOB NO: 16-MPC-023

MEZZANINE FLOOR FIRE SPRINKLER PIPING DEMOLITION PLAN
IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

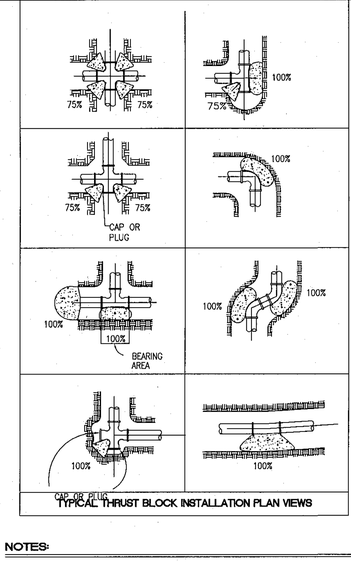
FP1.4
___ OF ___



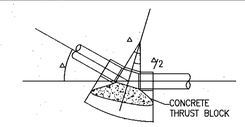
1 SITE PLAN
SCALE: 1" = 30'-0



1 6" REDUCED PRESSURE PRINCIPLE ASSEMBLY WILKINS MODEL #375 W/ FIRE DEPT. CONNECTION
SCALE: NONE

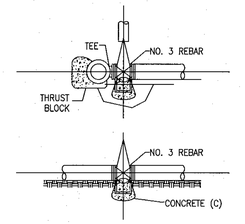


TYPICAL THRUST BLOCK INSTALLATION PLAN VIEWS



L= LENGTH OF CONCRETE THRUST BLOCK, IN FT.
H= HEIGHT OF CONCRETE THRUST BLOCK, IN FT.
T= THRUST AT BEND, IN LBS.
A= AREA OF PIPE, IN SQ. INCHES
P= PIPE PRESSURE (TEST PRESSURE) IN P.S.I.
△= ANGLE AT BEND, IN DEGREES.
S= ALLOWABLE LATERAL SOIL BEARING PRESSURE (SEE SOIL REPORT)

T= 2 X P X A X SIN. △/2
L= T/S



INLINE WEDGE VALVE SUPPORT DETAIL (FOR PVC)

NOTES:

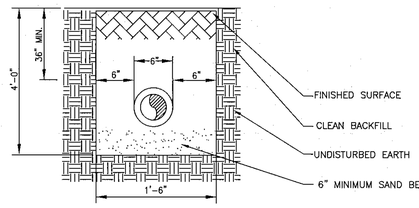
1. CONCRETE THRUST BLOCKS ARE TO BE POURED AGAINST UNDISTURBED EARTH.
2. CONCRETE THRUST BLOCKS SHALL BE OF CLASS 'C' (4-1/2 SACK MIX) CONCRETE.
3. ALL CONCRETE SHALL BE POURED TO AVOID ANY INTERFERENCE WITH BOLTED CONNECTIONS OR JOINT.
4. WHERE PIPE CONNECTS TO A FITTING IN A STEEL PIPELINE, THE STEEL PIPELINE SHALL BE BLOCKED AS SHOWN.
5. CAP ALL STUBS.
6. FIGURE (100%) AT THRUST BLOCK INDICATES PERCENT OF TOTAL THRUST TO BE APPLIED FOR BEARING AREA.
7. KEY ALL THRUST BLOCKS INTO TRENCH WALL & BOTTOMS.
8. FOR END PLUGS OR CAPS USE THRUST BLOCK EQUIVALENT TO TEE THRUST BLOCK.
9. THE THRUST BLOCK SHALL BE OF A CONCRETE MIX NOT LEANER THAN ONE PART CEMENT.
10. PREVENT DIRECT CONTACT BETWEEN METALLIC PIPELINES AND CONCRETE THRUST BLOCKS USING PLASTIC SLEEVES OR OTHER DIELECTRIC MATERIAL.

* TWO AND 1/2 PARTS SAND, AND FIVE PARTS STONE *

THRUST BLOCK BEARING AREA

PIPE SIZE IN INCHES	TYPE OF FITTING	SAFE SOIL BEARING	THRUST BLOCK HT X WIDTH
			CLASS
		PSF	350
8	TEE	3000	2'X3'
8	90°	3000	2'X4'
8	45°	3000	2'X2'
8	22.5°	3000	1'X2'
6	TEE	3000	1'X3'
6	90°	3000	2'X2'
6	45°	3000	1'X3'
6	22.5°	3000	1'X1'

2 THRUST BLOCK
SCALE: N.T.S.



3 PIPE TRENCH DIAGRAM
SCALE: N.T.S.

CONSULTANT

Mechanical Electrical Plumbing Fire Alarm
BUDLONG & ASSOCIATES, INC.
CONSULTING ENGINEERS
CAMARILLO OFFICE
GLENDALE OFFICE

JOB #17-056

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AMADOR WHITTLE
ARCHITECTS, INC.

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
MOORPARK, CA 93021

BACKCHECK SUBMITTAL

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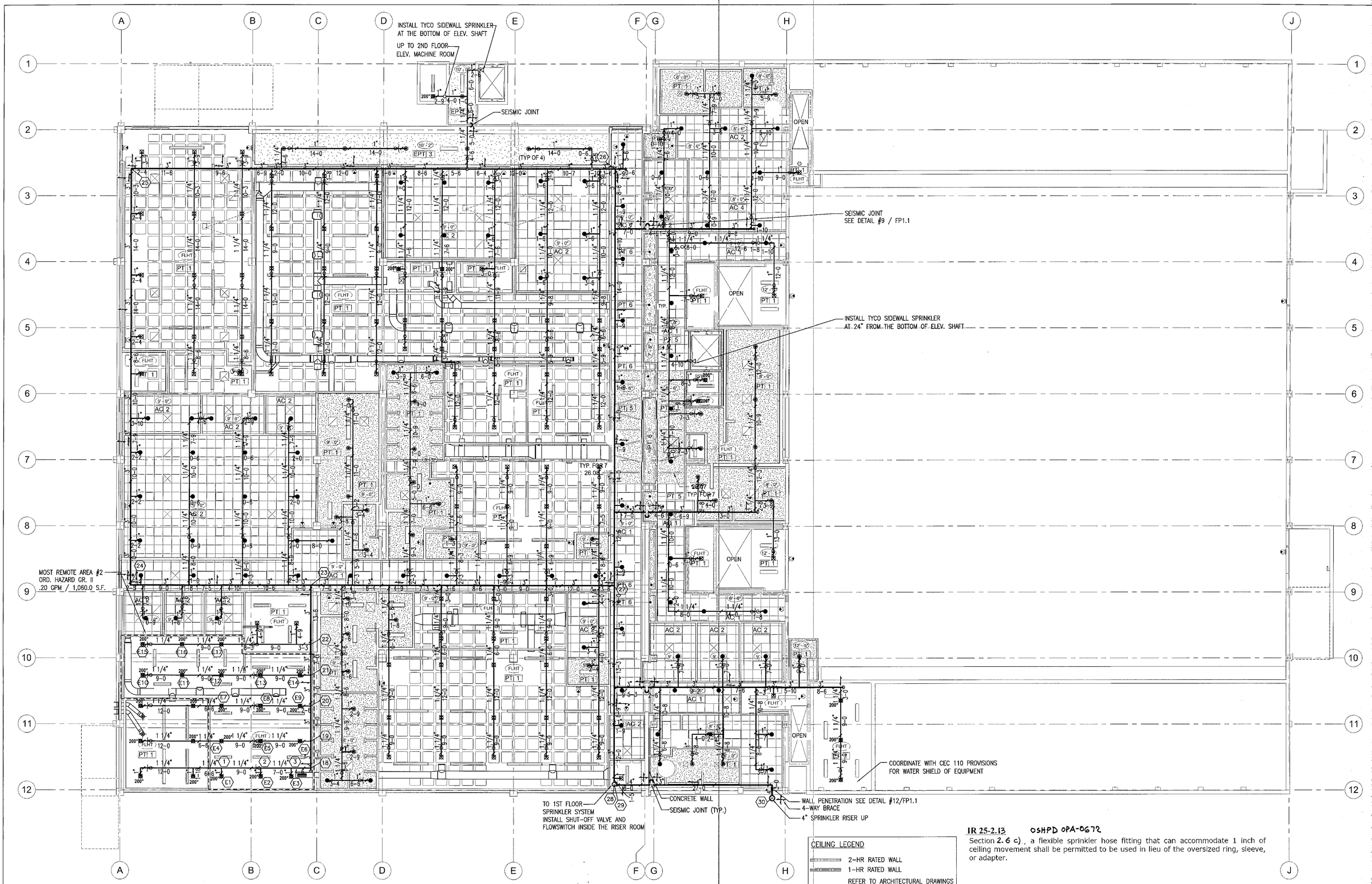
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SITE PLAN

FP2.1

IF THIS SHEET IS NOT 36" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

___ OF ___



1 FIRST FLOOR FIRE SPRINKLER PIPING PLAN
SCALE: 1/8" = 1'-0

NORTH

CEILING LEGEND

- 2-HR RATED WALL
- 1-HR RATED WALL

REFER TO ARCHITECTURAL DRAWINGS FOR ALL RATED WALLS

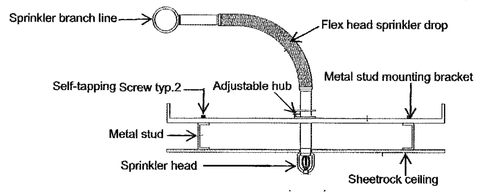
IR 25-2.13 OSHPD OPA-0672

Section 2.6 c), a flexible sprinkler hose fitting that can accommodate 1 inch of ceiling movement shall be permitted to be used in lieu of the oversized ring, sleeve, or adapter.

SPRINKLER HEAD SCHEDULE

HEAD TYPE	SYMB.	MFG.	SIN #	ORIF.	FIN.	TEMP. °F	K-FAC.	QTY.
SERIES RF-II CONCEALED PENDENT QR SPRINKLER	●	TYCO	TY3531	1/2"	WHITE	155	5.6	189
SERIES TY-FRB SEMI-RECESSED PENDENT QR SPRINKLER	◉	TYCO	TY3231	1/2"	WHITE	155	5.6	42
SERIES TY-FRB UPRIGHT QR SPRINKLER	⊠	TYCO	TY3131	1/2"	BRASS	155	5.6	89
SERIES TY-FRB UPRIGHT QR SPRINKLER	⊠	TYCO	TY3131	1/2"	BRASS	200	5.6	31
SERIES TY-FRB HORIZONTAL SIDEWALL QR SPRINKLER	◁	TYCO	TY3331	1/2"	BRASS	155	5.6	2
						TOTAL SPRINKLERS ON THIS SHEET =		353

FlexHead Sheetrock Ceiling Detail

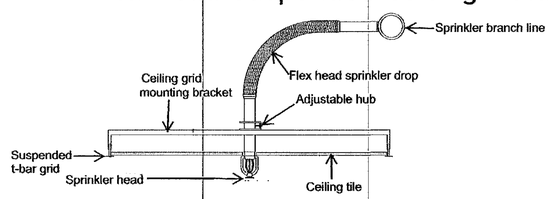


SEE CUT SHEET FOR MORE DETAILS

FLEXIBLE SPRINKLER PIPE SHALL BE:-
FLEXHEAD INDUSTRIES MODEL # 2036 1" INTERNAL Ø
3 BENDS MAX.

Each FM approved and UL listed unit is ready to install, pressure- and leak-tested, and comes complete with a flexible stainless steel hose and mounting bracket with adjustable hub.

FlexHead Suspended Ceiling Detail



CONSULTANT
Mechanical Electrical Plumbing Fire Alarm
BUDLONG & ASSOCIATES, INC. CONSULTING ENGINEERS
CAMARILLO OFFICE 1601 W. VENTURA BLVD. SUITE 240 CAMARILLO, CA 93010 TEL: (805) 987-1601
GLENDALE OFFICE 324 N. BRAND AVE., SUITE 210 GLENDALE, CA 91203 TEL: (818) 539-8700
JOB #17-056

REGISTERED PROFESSIONAL ENGINEER JAMES A. JORDAN No. 25446 EXP. 06-30-19 MECHANICAL STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT
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AMADOR WHITTLE ARCHITECTS, INC.

LICENSED ARCHITECT WILLIAM WHITTLE No. C-13589 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA

28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

MOORPARK COLLEGE GYMNASIUM RENOVATION

7075 CAMPUS RD, BUILDING #3
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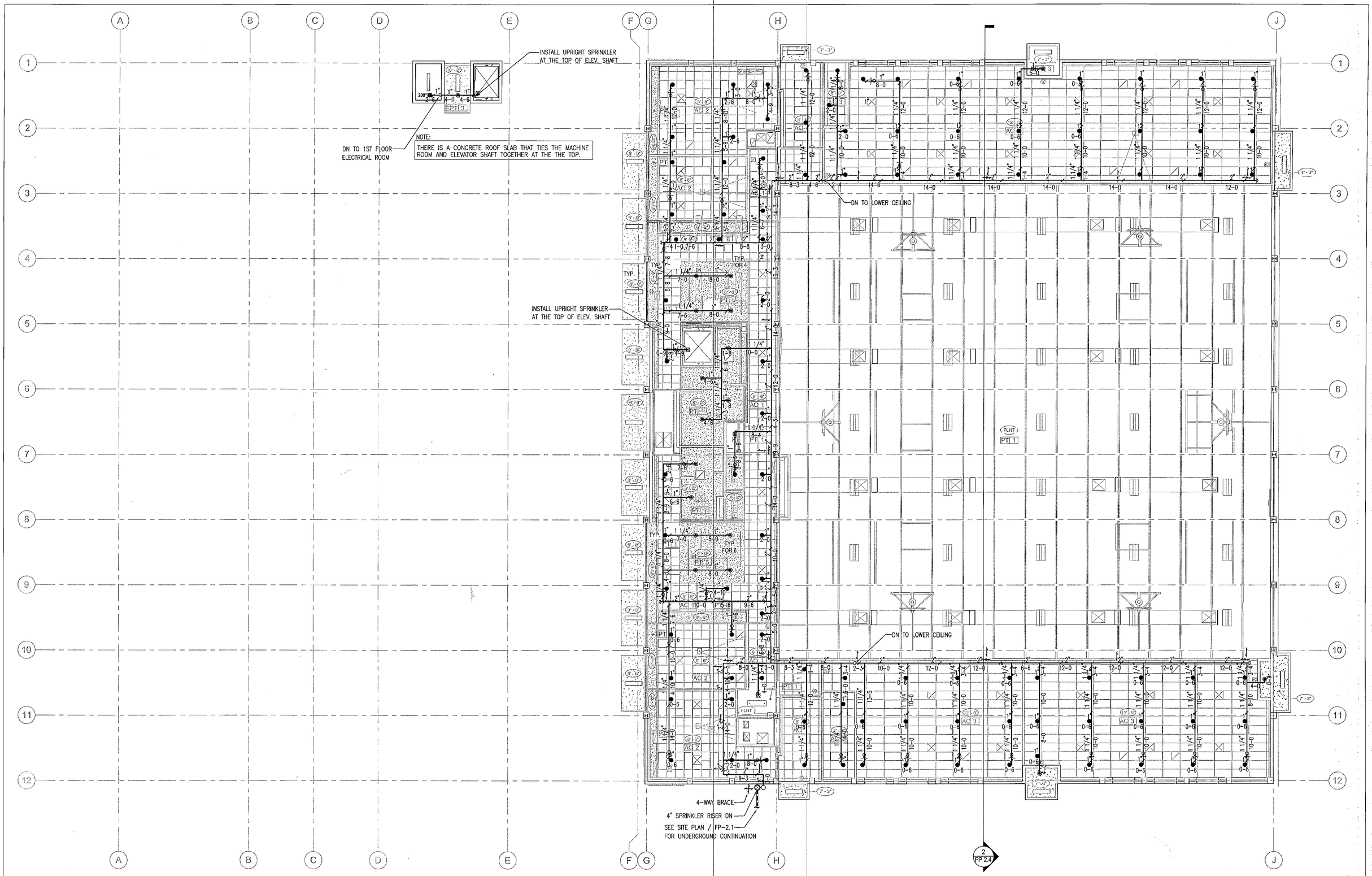
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FIRST FLOOR FIRE SPRINKLER PIPING PLAN

FP2.2

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1 SECOND FLOOR FIRE SPRINKLER PIPING PLAN
SCALE: 1/8" = 1'-0

NORTH

CEILING LEGEND

2-HR RATED WALL
1-HR RATED WALL
REFER TO ARCHITECTURAL DRAWINGS FOR ALL RATED WALLS

SPRINKLER HEAD SCHEDULE

HEAD TYPE	SYMB.	MFG.	SIN #	ORIF.	FIN.	TEMP. °F	K-FAC.	QTY.
SERIES RF-II CONCEALED PENDENT QR SPRINKLER	●	TYCO	TY3531	1/2"	WHITE	155	5.6	201
SERIES TY-FRB SEMI-RECESSED PENDENT QR SPRINKLER	◉	TYCO	TY3231	1/2"	WHITE	155	5.6	18
SERIES TY-FRB UPRIGHT QR SPRINKLER	⊠	TYCO	TY3131	1/2"	BRASS	155	5.6	4
TOTAL SPRINKLERS ON THIS SHEET = 223								

CONSULTANT
Mechanical Electrical Plumbing Fire Alarm
BUDLONG & ASSOCIATES, INC
CONSULTING ENGINEERS
CAMARILLO OFFICE 3825 SPYGLASS HILL, SUITE 210 CAMARILLO, CA 93010 TEL: (805) 987-4500
GLENDALE OFFICE 1900 MOUNTAIN AVE. 2ND FLR GLENDALE, CA 91201 TEL: (818) 546-8700
REGISTERED PROFESSIONAL ENGINEER JAMES A. JORDAN No. 25417 EXP. 12-31-18 STATE OF CALIFORNIA
JOB #17-056

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AMADOR WHITTLE
ARCHITECTS, INC.
LICENSED ARCHITECT WILLIAM GREGORY WHITTLE C-26346 JANUARY 31, 2019 RENEWAL DATE STATE OF CALIFORNIA
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

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SECOND FLOOR FIRE SPRINKLER PIPING PLAN

IF THIS SHEET IS NOT 30" X 42", IT IS NOT FULL SIZE, SCALE DRAWINGS ACCORDINGLY

FP2.3

___ OF ___

INSTALL 3" CROSS MAIN @ 4" BELOW BOTTOM OF THE STEEL I BEAM
ALL PIPES SHALL BE LOCATED ABOVE THE MECH. DUCT WORK
SPRINKLERS TO BE INSTALLED UNDER MECH. DUCT LOCATED IN THE MEZZANINE AND EXCEEDING 4'-0 IN WIDTH

MOST REMOTE AREA #3
ORD. HAZARD GR. II
.20 GPM / 1,500 S.F.

MOST REMOTE AREA #1
LIGHT HAZARD .10 GPM / 2,250 S.F.

ZONE OF INFLUENCE

PROVIDE FIRE STOP

4-WAY BRACE

4" SPRINKLER RISER DN

STEEL I BEAM (TYP.)

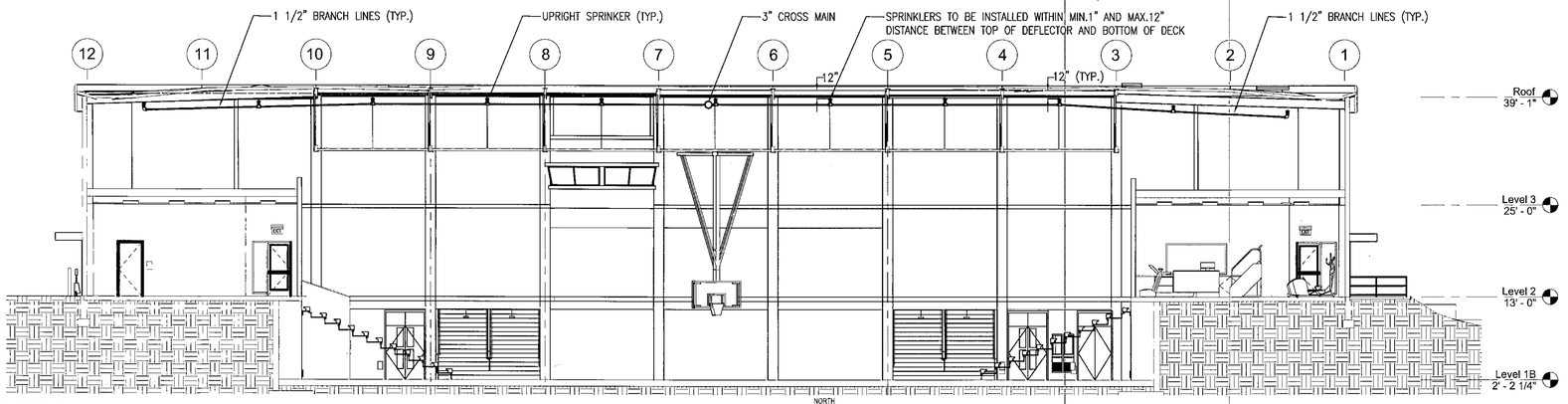
OPEN WEB JOIST

CEILING LEGEND

2-HR RATED WALL
1-HR RATED WALL
REFER TO ARCHITECTURAL DRAWINGS FOR ALL RATED WALLS

1 MEZZANINE FLOOR FIRE SPRINKLER PIPING PLAN
SCALE: 1/8" = 1'-0

SPRINKLER HEAD SCHEDULE								
HEAD TYPE	SYMB.	MFG.	SIN #	ORIF.	FIN.	TEMP.	K-FAC.	QTY.
SERIES TY-FRB UPRIGHT QR SPRINKLER (WITH GUARD)	⊠	TYCO	TY3131	1/2"	BRASS	155	5.6	70
SERIES TY-FRB UPRIGHT QR SPRINKLER	⊠	TYCO	TY3131	1/2"	BRASS	200	5.6	56
SERIES TY-FRB SEMI-RECESSED PENDENT QR SPRINKLER	◉	TYCO	TY3231	1/2"	WHITE	155	5.6	5
						TOTAL SPRINKLERS ON THIS SHEET =		131



2 BUILDING SECTION
SCALE: 1/8" = 1'-0

CONSULTANT
Mechanical Electrical Plumbing Fire Alarm
BUDLONG & ASSOCIATES, INC.
CONSULTING ENGINEERS
CAMARILLO OFFICE
GLENDALE OFFICE
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MEZZANINE FLOOR FIRE SPRINKLER PIPING PLAN

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FP2.4

OF