DESIGN TEAM

28328 AGOURA ROAD, SUITE 203 333 N. LANTANA ST, SUITE 287

ENCOMPASS CONSULTANT GROUP

CAMARILLO, CALIFORNIA 93010

(805) 322-4443

ARCHITECT

(805) 530-3938

ELECTRICAL

LUCCI & ASSOCIATES, INC.

3251 CORTE MALPASO, #511 CAMARILLO, CALIFORNIA 93012

SUMMARY OF SCOPE OF WORK

THE SCOPE OF WORK CONSISTS OF:

- NEW RESTROOMS AND EQUIPMENT ROOM MODULAR BUILDING INCLUDING FIRE ALARM SYSTEM AND DATA SYSTEMS. 960 SF TYPE V-B NON SPRINKLERED BUILDING.
- SITE IMPROVEMENTS INCLUDING: CROSSWALK, SIDEWALK RAMP AND CONCRETE WALKWAY AROUND NEW MODULAR BUILDING PROVIDED BY AMERICAN MODULAR SYSTEMS

MOORPARK COLLEGE

STADIUM RESTROOMS & EQUIPMENT ROOM & FIRE ALARM & DATA SYSTEMS

7075 CAMPUS ROAD MOORPARK, CALIFORNIA 93021 VENTURA COUNTY COMMUNITY COLLEGE

DRAWING LIST

(805) 389-6520 **ABBREVIATIONS ABBREVIATIONS** AND **HEADER EXISTING** HARDWARE DRAWING LIST **LEGEND HEIGHT ANCHOR BOLT INCHES** SHT NO. DRAWING TITLE SHT NO. ABOVE FINISH FLOOR **INFORMATION DRAWING REFERENCE** AIR CONDITIONER INSULATION **GENERAL** DRAWING **ACOUSTICAL** INTERIOR **IDENTIFICATION** TITLE SHEET G0.00 **JANITOR** GENERAL AND ACCESSIBILITY NOTES KNOCK-DOWN ALUMINUM DIRECTION INDICATOR **ARCHITECTURAL** LAMINATE (WHERE APPLIES) CIVIL LAVATORY **BOTTOM OF COPING** SHEET NUMBER WHERE DRAWN C1.00 TITLE SHEET FORM DSA-103 **BUILT UP ROOFING POUNDS DEMOLITION PLAN** MASONRY OPENING **DRAWING TITLE** GRADING & UTILITY PLAN **BUILDING DETAILS SHEET** SPPWC STANDARD PLANS MAXIMUM SPPWC STANDARD PLANS CAST IRON **MECHANICAL CEILING JOIST MANUFACTUREF ARCHITECTURAL MINIMUM** CHAIN LINK DRAWING IDENTIFICATION AA1.00 CAMPUS SITE PLAN C.L.F. CHAIN LINK FENCE **MISCELLANEOUS** AA1.00a OVERALL SITE PLAN CONCRETE MASONRY UNIT AA1.02F SITE PLAN - LOCAL FIRE AUTHORITY REVIEW NOT IN CONTRACT **DETAIL REFERENCE** AA1.03 ENLARGED SITE PLAN **CABINET** NOT TO SCALE AA5.01 SITE DETAILS **CERAMIC** NOT AVAILABLE AA5.02 SITE DETAILS CEILING NUMBER AA5.03 EXTERIOR & SITE DETAILS **CLOSET** ON CENTER CLEAR **OPENING** SHEET NUMBER WHERE **ELECTRICAL** COL **COLUMN OPPOSITE** GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST CONCRETE PLASTIC SITE PLAN ELECTRICAL CONSTRUCTION PAIR **COLUMN CENTERLINES** SITE PLAN ELECTRICAL NEW WORK CONTINUOUS GRID LINE NUMBER **ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULES** PLYWOOD ELECTRICAL POWER & LOW VOLTAGE PLAN TYPICAL FLOOR PLAN **DOUGLAS FIR** RISER EE600 ELECTRICAL DETAILS DBL DOUBLE REFLECTED CEILING PLAN FA1.01 FIRE ALARM GENERAL NOTES AND DEVICES LEGEND **DEMOLITION ROOF DRAIN** FA1.02 FIRE ALARM DETAILS AND BATTERY CALCULATIONS ROUGH OPENING FA1.03 FIRE ALARM PLAN DIAMETER REFERENCE - GRID LINE DIMENSION REFLECTED REINFORCING DIVISION DOOR REQUIRED **ROOM IDENTIFICATION** DOWNSPOU' REVISION **MEETING ROOM DRAWING** ROOM **EXPANSION JOINT** SHELF AND POLE **ROOM NUMBER** E.W.C. ELECTRIC WATER COOLER SQUARE FEET EΑ **EACH** S.S. STAINLESS STEEL **ELECTRICAL** SCHEDULE KEY NOTES EQ **EQUAL** SECTION STATE OF GENERAL CONFORMANCE SHEET **EQUIPMENT** WOOD STUD AND GYPSUM **EXHAUST** SIMILAR **BOARD WALL EXISTING SQUARE** FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS. **STANDARD EXPANSION CONCRETE WALL** EXT STEEL **EXTERIOR** THESE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET (AMERICAN MODULAR SYSTEMS DRAWINGS: TS TO P3.0 BY AMERICAN F.D. STORAGE FLOOR DRAIN STOR MODULAR SYSTEMS (BASED ON PC 02-115700) HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS FIRE EXTINGUISHER STRUCT STRUCTURAL WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR (A# FIRE EXTINGUISHER CABINET 04-113721): SUSPEND, SUSPENDED DOOR REFERENCE FINISH FLOOR TONGUE AND GROOVE SEE SHEET A6.01 DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF F.G (101) FINISH GRADE TOP OF CURB REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND F.H.C. FIRE HOSE CABINET T.O.P. TOP OF PLATE COORDINATION WITH MY PLANS AND SPECIFICATIONS, AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION **FACE OF CONCRETE** T.O.P. TOP OF PARAPET OF THIS PROJECT. FACE OF STUD T.O.W. TOP OF WALL WINDOW REFERENCE FACE OF WALL TEL **TELEPHONE** THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND FIRE RATED, FIRE RESISTANT THK THICK RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND FINISHED SURFACE TYPICAL 4-344" OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317 (B)) **UNDERWRITERS** ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET ITEM BEING REFERENCED LABORATORIES **FLOOR** TOP OF STEEL THIS DRAWING OR PAGE UNLESS NOTED OTHERWISE EL +20' - 0" IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, DATUM ELEVATION VINYL COMPOSITION TILE FOOT OR FEET **VERIFY IN FIELD** AND HAS / HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS. FTG **VERT** VERTICAL G.I. GALVANIZED IRON **VESTIBULE GYPSUM WALLBOARD** WATER CLOSET JULY 17, 2021 **GAUGE** 5'-0" DIAMETER CLEAR SPACE WATER HEATER GALVANIZED SIGNATURE OF THE ARCHITECT DATE WATER RESISTANCE WILLIAM J. AMADOR, ARCHITECT **GENERAL** AMADOR WHITTLE ARCHITECTS, INC. WELDED WIRE MESH **GYPSUM** JANUARY 31, 2023 HOLLOW METAL

LICENSE NUMBER

WOOD

WINDOW

HARDBOARD

30" X 48" CLEAR SPACE

EXPIRATION DATE

DRAWING TITLE AMERICAN MODULAR SYSTEMS ARCHITECTURAL (BASED ON PC 02-115700 AMERICAN MODULAR SYSTEMS ARCHITECTURAL AMERICAN MODULAR SYSTEMS ARCHITECTURAL **GENERAL NOTES & SPECIFICATIONS GENERAL NOTES & SPECIFICATIONS** TYPICAL SCHEDULES- DOORS, WINDOWS, & FINISHES ACCESSIBILITY STANDARDS AND DETAILS MULTIPLE FLOOR PLAN CONFIGURATIONS AMERICAN MODULAR SYSTEMS ARCHITECTURAL **ENERGY CALCULATIONS ENERGY CALCULATIONS** AMERICAN MODULAR SYSTEMS ARCHITECTURAL RESTROOM FLOOR PLAN OPTIONS TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP (WITHOUT PARAPETS) TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP (WITHOUT PARAPETS) INTERIOR ELEVATIONS - RESTROOM OPTIONS TYP. ARCHITECTURAL DETAILS - DURATEMP 303 SIDING OPTION TYPICAL EXTERIOR ELEVATIONS - SYNTHETIC STUCCO OPTION TYPICAL ARCHITECTURAL DETAILS - SYNTHETIC STUCCO OPTION MISCELLANEOUS ARCHITECTURAL DETAILS AMERICAN MODULAR SYSTEMS STRUCTURAL STEEL MEMBER PROPERTIES CONCRETE FOUNDATION PLAN - 50 PSF LIVE LOAD +15 PSF PARTITION LOAD CONCRETE FOUNDATION DETAILS CONCRETE FOUNDATION DETAILS STANDARD FOUNDATION ANCHORAGE DETAILS UPGRADED FOUNDATION ANCHORAGE DETAILS CONCRETE FOUNDATION OPTIONAL UTILITY OPENINGS IN FOOTINGS FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR W/3H-DECK OR 3WXH-DECK OPTION (150 PSF MAX. FLOOR L.L.) ROOF FRAMING PLAN & DETAILS - ENCLOSED SOFFIT OPTION ROOF FRAMING DETAILS MOMENT FRAME ELEVATIONS & DETAILS MOMENT FRAME CONNECTION DETAILS TYPICAL LONGITUDINAL & TRANSVERSE FRAME SECTIONS WALL FRAMING ELEVATIONS & SCHEDULES - WOOD STUDS WALL FRAMING DETAILS - WOOD STUDS AMERICAN MODULAR SYSTEMS MECHANICAL TYPICAL REFLECTED CEILING PLAN TYPICAL MECHANICAL PLAN OPTIONS MECHANICAL & CEILING DETAILS MECHANICAL & CEILING DETAILS MECHANICAL ROOF DETAILS **CEILING & MECHANICAL NOTES & SCHEDULES** AMERICAN MODULAR SYSTEMS ELECTRICAL TYPICAL ELECTRICAL PLAN **ELECTRICAL NOTES & DETAILS** AMERICAN MODULAR SYSTEMS PLUMBING RESTROOM OPTIONS, PLUMBING PLAN, & FIXTURE SCHEDULE PLUMBING DETAILS & ACCESSIBLE DETAILS PLUMBING ISOMETRIC DRAWNGS

TOTAL SHEETS: 75

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: **REVIEWED FOR** SS FLS ACS DATE: 08/11/2021

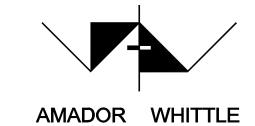
> **VCCCD BID 624**

PROJECT TITLE

STADIUM RESTROOMS AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA

COMMISSIONED ARCHITECT



ARCHITECTS, INC. 28328 AGOURA ROAD, SUITE 203 AGOURA HILLS, CA 91301

(805) 530-3938, (818) 874-0071

CONSULTANT

STAMPS/SEALS C-20348

DSA SUBMITTAL

DSA BACKCHECK 5-14-21 4-29-21 FIRE DEPT. SHEET TITLE:

TITLE SHEET

20-MPC-036 PROJECT ARCH: Designer LJA WJA

5-14-21

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. 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 DSA.
- 2. CONTRACTOR SHALL VISIT THE SITE TO INVESTIGATE AND VERIFY ALL DIMENSIONS AND EXISTING SITE CONDITIONS AT JOB SITE PRIOR TO START OF WORK.
- 3. 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.
- 4. DIMENSIONS SHOWN SHALL HAVE PREFERENCE OVER SCALE
- 5. ALL ITEMS INCLUDING BUILDINGS SHOWN ARE NEW UNLESS NOTED AS EXISTING (E).
- 6. CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING PIPELINES AND UTILITIES THAT ARE TO REMAIN IN SERVICE. CONTRACTOR SHALL VERIFY THAT THOSE PIPELINES AND UTILITIES TO BE REMOVED HAVE BEEN DISCONNECTED, SHUT DOWN OR ABANDONED PRIOR TO ATTEMPTING REMOVAL OR DEMOLITION IN A MANNER TO AVOID ANY DISRUPTION OF EXISTING FACILITIES.
- 7. CONTRACTOR SHALL PROTECT ALL SURFACES & FIXTURES TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
- 8. ALL DAMAGE DONE TO EXISTING CONSTRUCTION AS A RESULT OF DEMOLITION OR INSTALLATION SHALL BE COMPLETELY REPAIRED BY CONTRACTOR AT OR NO COST TO OWNER. REPAIRED WORK SHALL MATCH EXISTING CONSTRUCTION.
- 9. CONTRACTOR SHALL REPAIR AND PATCH UP ALL DAMAGES TO EXISTING SURFACES CAUSED BY REMOVAL OF EXISTING EQUIPMENT ATTACHED TO EXISTING SURFACES. (CHALKBOARDS, BOOKSHELVES, TACKBOARDS, WALL HEATERS, PIPING, ETC.)
- 10. WHERE PATCHES ARE REQUIRED IN EXISTING, SURFACES ADJACENT MATERIAL SHALL BE MATCHED IN TEXTURE AND FINISH.
- 11. "DEMOLISH" AND "REMOVE" SHALL MEAN TO DEMOLISH, REMOVE FROM THE SITE AND DISPOSE OF IN A LEGAL MANNER UNLESS NOTED OTEHRWISE. TERMINATE PIPING BELOW SUBSTRATE FOR PATCHING. ELECTRICAL WIRE DISCONNECT SHALL BE AT THE SOURCE OF POWER.
- 12. SALVAGED PRODUCTS SAVED FOR OWNER AS A RESULT OF DEMOLITION ACTIVITY AND/OR PRODUCTS STORED FOR USE IN CONSTRUCTION SHALL BE STORED IN A MANNER SUCH THAT NO MATERIALS ARE DAMAGED AND PUBLIC SAFETY IS MAINTAINED.
- 13. CONTRACTOR SHALL THOROUGHLY CLEAN AND SECURE THE AREA OF CONSTRUCTION AFTER EACH DAY OF WORK. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS OFF SITE.
- 14. LOCATIONS OF STRUCTURES, UNDERGROUND PIPELINES AND UTILITIES WERE OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF ALL PIPELINES AND UTILITIES BEFORE COMMENCING DEMOLITON, EARTHWORK OR CONSTRUCTION WORK.
- 15. GENERAL CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO START OF CONSTRUCTION. ALL QUESTIONS SHALL BE SENT TO ARCHITECT.
- 16. ALL SALVAGEABLE MATERIALS AND EQUIPMENT TO BE REMOVED SHALL REMAIN THE SOLE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL CONSULT WITH THE OWNER CONCERNING STORAGE AND/OR DISPOSAL OF SUCH EQUIPMENT. OWNER HAS FULL SALVAGE RIGHTS. ALL REMOVED MATERIALS OTHER THAN ITEMS TO BE SALVAGED, OR REUSED SHALL BECOME CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE PROJECT SITE.
- 17. ALL WORK, INCLUDING REMOVAL OF EXISTING WORK, SHALL BE PERFORMED IN A MANNER THAT MINIMIZES THE AMOUNT OF NOISE, DUST, TRAFFIC AND/OR OTHER FORMS OF DISTURBANCES IN COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES SO THAT THE PUBLIC, STUDENTS AND STAFF, AS WELL AS OTHER OCCUPIED AREAS OF THE SCHOOL ARE SUBJECTED TO AS LITTLE DISRUPTION AS REASONABLY POSSIBLE.
- 18. ROUTES OF INGRESS AND EGRESS FOR MATERIALS AND WORKMEN, AND LIMITS OF THE PROJECT AREA WILL BE DESIGNATED BY THE OWNER. THE CONTRACTOR SHALL CONFINE HIS ACTIVITES WITHIN SUCH LIMITS. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ADEQUATE SAFETY AND DUST BARRIERS IN THE SITE, ACROSS CORRIDORS AND ELSEWHERE AS REQUIRED.

GENERAL NOTES

- 19. SHUT DOWN OF EXISTING AND OPERATING PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS OR PORTIONS THEREOF SHALL BE COORDINATED IN ADVANCE WITH THE OWNER.
- 20. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN ON THE ARCHITECTURAL DRAWINGS WITH THE SPECIFICATIONS AND THE WORK SHOWN ON THE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITIING BEFORE PROCEEDING WITH ANY RELATED WORK.
- 21. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIRE RATING CONTINUITY OF STRUCTURE, WALLS, FLOOR AND CEILINGS INTERRUPTED BY THE WORK OF ALL TRADES. THIS INCLUDES, BUT IS NOT LIMITED TO, FIRE RATED ENCLOSURES AT THE CEILING AND WALLS OF CORRIDORS AND STORAGE ROOMS, DUCT SHAFTS.
- 22. PROVIDE ALL NECESSARY BLOCKING, BACKING AND FRAMING FOR LIGHT FIXTURES, ELECTRICAL UNITS, A/C EQUIPMENT, TOILET FIXTURES & ACCESSORIES, RAILINGS, GRAB BARS, AND ALL OTHERS REQUIRING SAME.
- 23. CEILING HEIGHT DIMENSIONS ARE FROM FINISH FLOOR TO FINISH FACE OF CEILING.
- 24. WHERE NEW WALLS ALIGNS WITH EXISTING WALL, PROVIDE SMOOTH INVISIBLE TRANSITION BETWEEN NEW AND EXISTING.
- 25. NEW GYPSUM BOARD FINISH SHALL BE 5/8" TYPE 'X' OR AS REQUIRED FOR UL FIRE-RATING AS INDICATED ON DRAWINGS.
- 26. GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY EIGHT (8) FEET HIGH CHAIN LINK FENCE BARRICADES AT WORK AREAS, DISTRICT APPROVED STORAGE AREAS AND WHEREVER NECESSARY TO MAINTAIN A SAFE PASSAGE AND SAFE ENVIRONMENT.
- 27. BEFORE PROCEEDING WITH THE CORING OR CUTTING OF WALLS AND FLOORS, ETC., THE CONTRACTOR SHALL PREPARE LAYOUT OF CUTTING OR CORING AND SHALL HAVE THE APPROVAL BY THE STRUCTURAL ENGINEER AND THE D.S.A. FIELD DISTRICT ENGINEER IN ORDER TO PROCEED WITH THE CUTTING OR CORING.
- 28. A) SLABS ON EARTH, SIDEWALKS AND CURBS: 3,000 PSI AT 28 DAYS
- 29. NOT USED
- 30. THE CONTRACTOR SHALL NOT COMMENCE THE WORK, IN PART OR IN FULL, PRIOR TO OBTAINING THE NOTICE-TO-PROCEED (NTP) FROM VCCCD.
- 31. IN CASE OF CONFLICT, THE MORE EXPENSIVE CONSTRUCTION MEANS AND METHOD SHALL BE USED.
- 32. THE PROVISIONS OF CFC AND CBC CHAPTER 33 SHALL BE ENFORCED ON THIS PROJECT.

APPLICABLE CODES

LIST OF 2019 CALIFORNIA CODE OF REGULATIONS (C.C.R.): APPLICABLE CODES AS OF JANUARY 1, 2020

PART 1- 2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.

PART 2- 2019 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL. WITH CALIFORNIA AMENDMENTS)

PART 3- 2019 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)

PART 4- 2019 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

PART 5- 2019 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

PART 6- 2019 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R

PART 7- CURRENTLY VACANT

PART 8- 2019 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.

PART 9- 2019 CALIFORNIA FIRE CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)

PART 102019 CALIFORNIA EXISTING BUILDING CODE (2018 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)

PART 11-2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 C.C.R.

PART 12-2019 CALIFORNIA REFERENCE STANDARDS CODE, TITLE 24 C.C.R.

PARTIAL LIST OF APPLICABLE STANDARDS

2019 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAP. 35

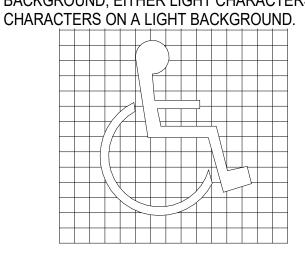
	,	
NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 14	STANDPIPE SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 17a	WET CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 20	STATIONARY PUMPS	2016 EDITION
NFPA 24	PRIVATE FIRE SERVICE MAINS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED)	2016 EDITION
	(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICEŚ")	
NFPA 80	FIRE DOOR AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2015 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2015 EDITION

DEPARTMENT OF JUSTICE REGULATIONS FOR TITLE II OF THE AMERICANS WITH DISABILITIES ACT OF 1990 WITH REVISED REGULATIONS AS PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 15, 2010, EFFECTIVE MARCH 15, 2012. TITLED ADA STANDARDS FOR ACCESSIBLE DESIGN.

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 595C. 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 PERSONS WITH DISABILITY.
- CONTRAST OF SYMBOL: CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK





CONDITIONS

POST SIGNAGE AT SIDELIGHT WINDOW TO ALL

ENTRANCES RFHSSD 5 X 5 DECAL - POSTED

PROPORTIONS

INTERNATIONAL SYMBOL OF ACCESSIBILITY
SYMBOL PROPORTIONS SHALL APPROXIMATE CBC FIGURE 11B-703.7.2.1

FIGURE 17-6

DISPLAY

2. ENTRANCES

- 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 34"
- 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

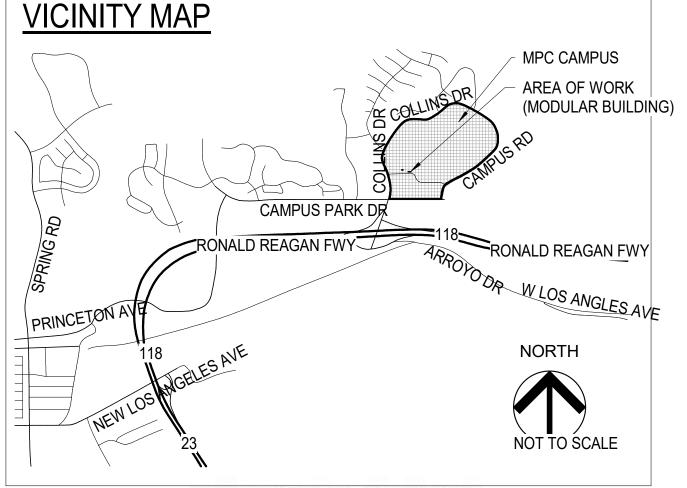
A. ALL SIGNS (AT MAIN ENTRANCES, TOILETS, PERMANENT ROOMS, ASSISTIVE LISTENING SYSTEM(S) ETC. SHALL COMPLY WITH TITLE 24 AND SECTION 11B-216 AND 11B 703

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.
- "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
- 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.

DSA GENERAL NOTES

- 1. 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, CALIFORNIA CODE OF REGUALTIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMLPY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, 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 THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- A 'DSA CERTIFIED' PROJECT INSPECTOR WITH CLASS 2 CERTIFICATION IS REQUIRED FOR THIS PROJECT.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- 5. ALL WORK SHALL CONFORM TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- 6. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
- 7. A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).





May 22, 2020

VENTURA COUNTY FIRE PROTECTION DISTRICT FIRE PREVENTION BUREAU 165 DURLEY AVENUE CAMARILLO, CA 93010 www.vcfd.org Office: 805-389-9738 Fax: 805-388-4356

FIRE PREVENTION FORM 625 FIRE-FLOW VERIFICATION

SECTION I - PROJECT INFORMATION

| Project Name: | Moorpark College | APN: | 500-0-281-515 |
| Project Address: | 7075 Campus Road | City: | Moorpark |

SECTION II – INFORMATION ON FIRE-FLOW AVAILABILITY (To Be Completed by Water Purveyor)

System Information:

Water Purveyor: VCWWD No. 1 Size & Location of Main: 8" South of Parcel Distance to Parcel: 35' Size of Reservoir Serving Test Hydrants: 1.0 & 1.5 MG College Reservoirs Hydrant Information: Location of Residual Hydrant: 8" South East of Parcel Distance to Parcel: * 365' Location of Flow Hydrant: 8" South East of Parcel Distance to Parcel: * Type: Wet _▼ Size: 6" # of Outlets: 4- 1 21/2 * Distance to parcel shall be measured along the vehicular access Test Result Information: Flow Test 🗸 Method Used to Obtain Results: Hydraulic Model Date of Test: 3/18/2021 Time of Test: 02:50 AM ✓ PM Static PSI: 125 Residual PSI: 111 Pitot: 80 Orifice: 2-1/2" Observed GPM: 1,409 Calculated GPM @ 20 psi: 4,183 Capacity Duration: 2 hrs

I have witnessed and/or reviewed this water flow information and by personal knowledge and/or on-site observation certify that the above information is correct.

Name: Homer Arredondo
Signature: Homer Arredondo
Title: Engineer
Company: Ventura County Water & Sanitation
Phone: (805) 378-3026

Private on-site water system proposed. Separate plan submittal required.
Water purveyor approves use of private water system. (Purveyor signature required above)

Fire District Record Number:

Fire-flow Verification

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 03-121484 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOMS AND EQUIPMENT ROOM

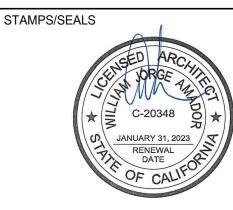
7075 Campus Rd, Moorpark, CA 93021

AMADOR WHITTLE

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

ARCHITECTS, INC.

CONSULTANT



DSA SUBMITTAL

7-19-21 DSA BACKCHECK

5-14-21 DSA

4-29-21 FIRE DEPT.

SHEET TITLE:

GENERAL AND ACCESSIBILITY NOTES

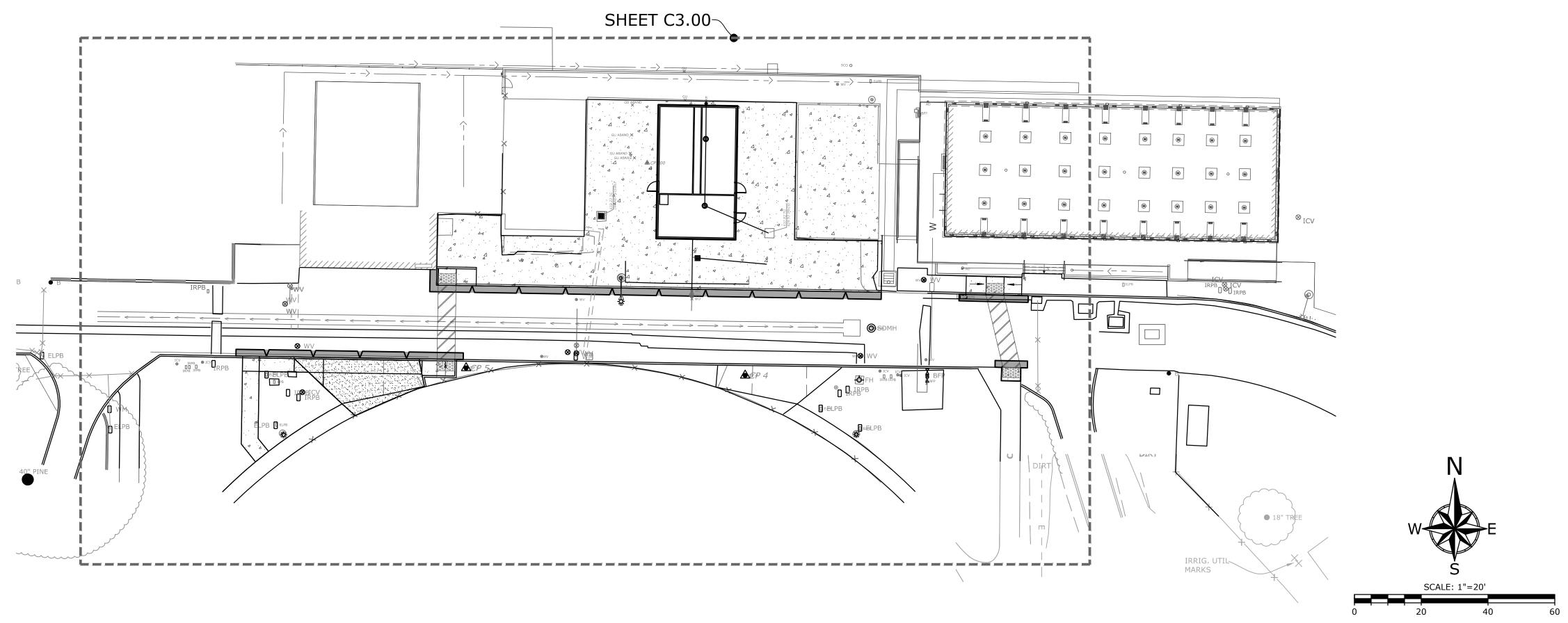
PROJECT NO.: 20-MPC-036 PROJECT ARCH: Designer
DRAWN: GE CHECKED: WJA

SHEET NUMBER:

5-14-21

625-1

MOORPARK COLLEGE STADIUM RESTROOM AND EQUIPMENT ROOM CIVIL IMPROVEMENT PLANS



CONTROL TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
4	1931877.13	6307975.36	633.55	SET SCRIBED X
5	1931879.36	6307891.78	633.96	SET SCRIBED X
300	1931940.82	6307946.04	633.13	SET MAG NAIL / ECG WASHER

SURVEY NOTES

MAPPING

TOPOGRAPHIC MAPPING WAS COMPILED AT A SCALE OF 1"=10', WITH A 1 FOOT CONTOUR INTERVAL FROM DATA COLLECTED IN A FIELD SURVEY PERFORMED USING CONVENTIONAL EQUIPMENT AND PROCEDURES IN MARCH 2021, AT THE REQUEST OF MOORPARK COLLEGE.

2. BASIS OF BEARINGS AND COORDINATES

COORDINATES AND DISTANCES SHOWN ON THIS MAP ARE REFERENCED TO THE CALIFORNIA COORDINATE SYSTEM, NAD 83, ZONE 5 GRID (EPOCH 2011.0), DEFINED LOCALLY BY CONTINUOUSLY OPERATING REFERENCE STATIONS TOST AS DERIVED FROM GEODETIC VALUES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC).

THE VERTICAL DATUM OF THIS SURVEY IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), PER GPS TIES &

4. UTILITIES

SURFACE UTILITY FEATURES SHOWN HEREON WERE LOCATED AS A PART OF THE FIELD SURVEY PERFORMED BY ECG BASED ON VISIBILITY ON THE DATE OF SURVEY. NO RESEARCH OR MAPPING OF SUBSURFACE UTILITIES HAS BEEN PERFORMED.

SHEET INDEX

<u> </u>	TITOLA
C1.00	TITLE SHEET
C2.00	DEMOLITION PLAN
C3.00	GRADING & UTILITY PLAN
C4.00	DETAILS SHEET
C5.00	SPPWC STANDARD PLANS

SPPWC STANDARD PLANS





AT (805)378-1454

DIAL TOLL FREE UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

FOR ALL OTHER UTILIITIES, CONTACT CAMPUS FACILITIES

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

PROJECT TITLE

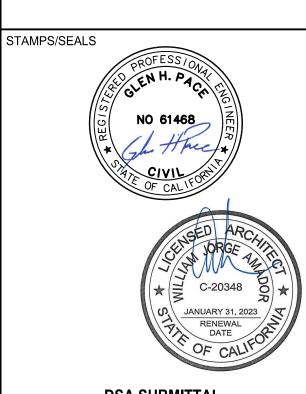
STADIUM RESTROOM AND EQUIPMENT STORAGE

7075 Campus Rd, Moorpark, CA



28328 AGOURA ROAD, SUITE 203



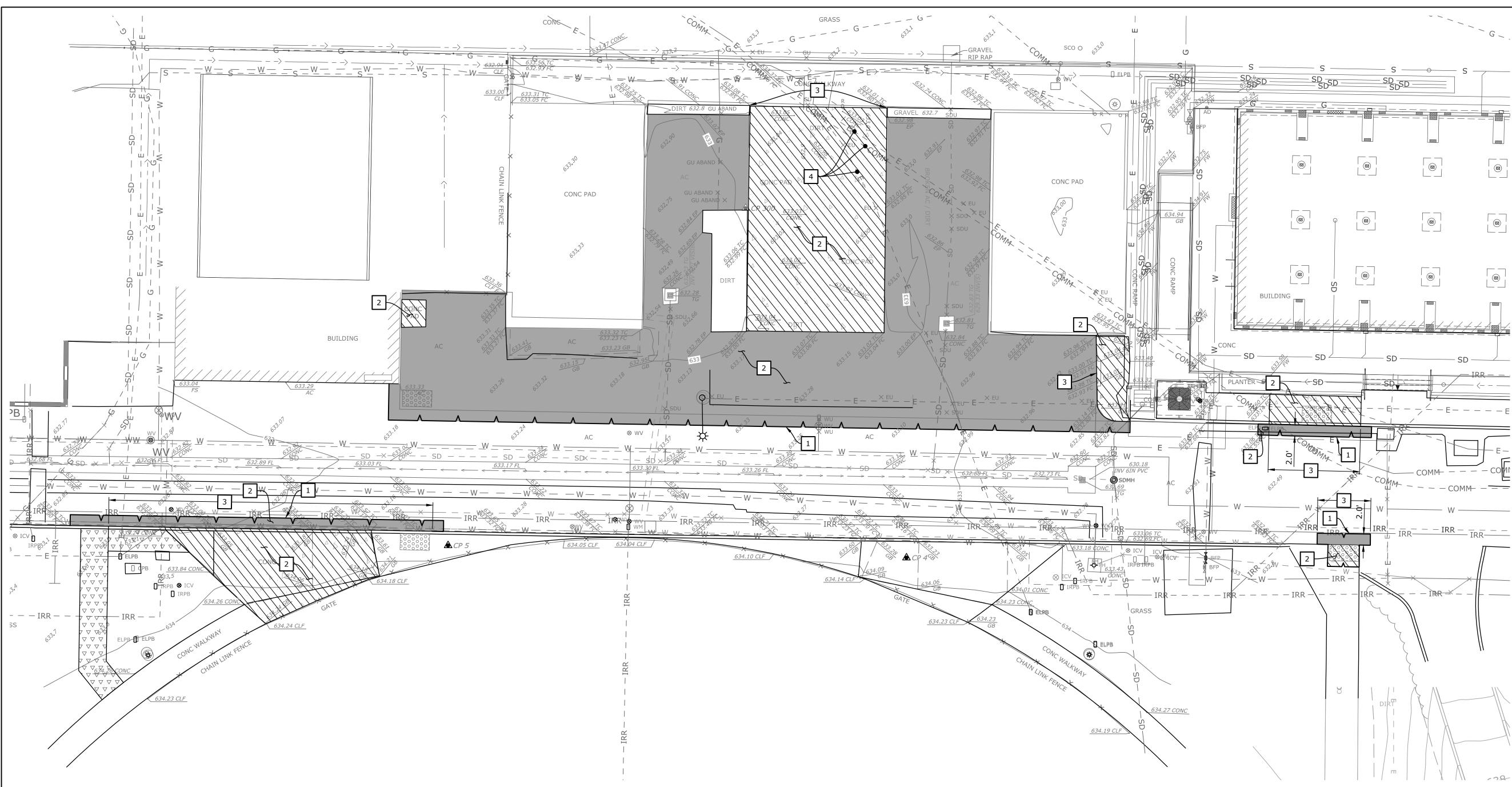


DSA SUBMITTAL

TITLE SHEET

20-MPC-036 PROJECT

JULY 13, 2021 SHEET: ____ OF ____



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
- 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.

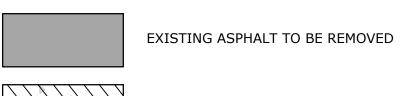
CAUTION: UNDERGROUND STRUCTURES

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.

DEMOLITION NOTES

- 1 SAWCUT EXISTING PAVEMENT TO LIMITS SHOWN.
- 2 REMOVE EXISTING PAVEMENT TO LIMITS SHOWN.
- 3 REMOVE EXISTING CURB OR CURB AND GUTTER TO LIMITS SHOWN.
- RELOCATE EXISTING ELECTRICAL & COMMUNICATION LINES. REFER TO GENERAL NOTE 2.

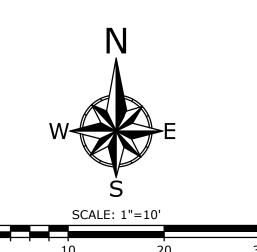




EXISTING CONCRETE TO BE REMOVED



SAWCUT LINE



IDENTIFICATION STAME DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

PROJECT TITLE

STADIUM RESTROOM AND EQUIPMENT STORAGE

7075 Campus Rd, Moorpark, CA

COMMISSIONED ARCHITECT



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



STAMPS/SEALS

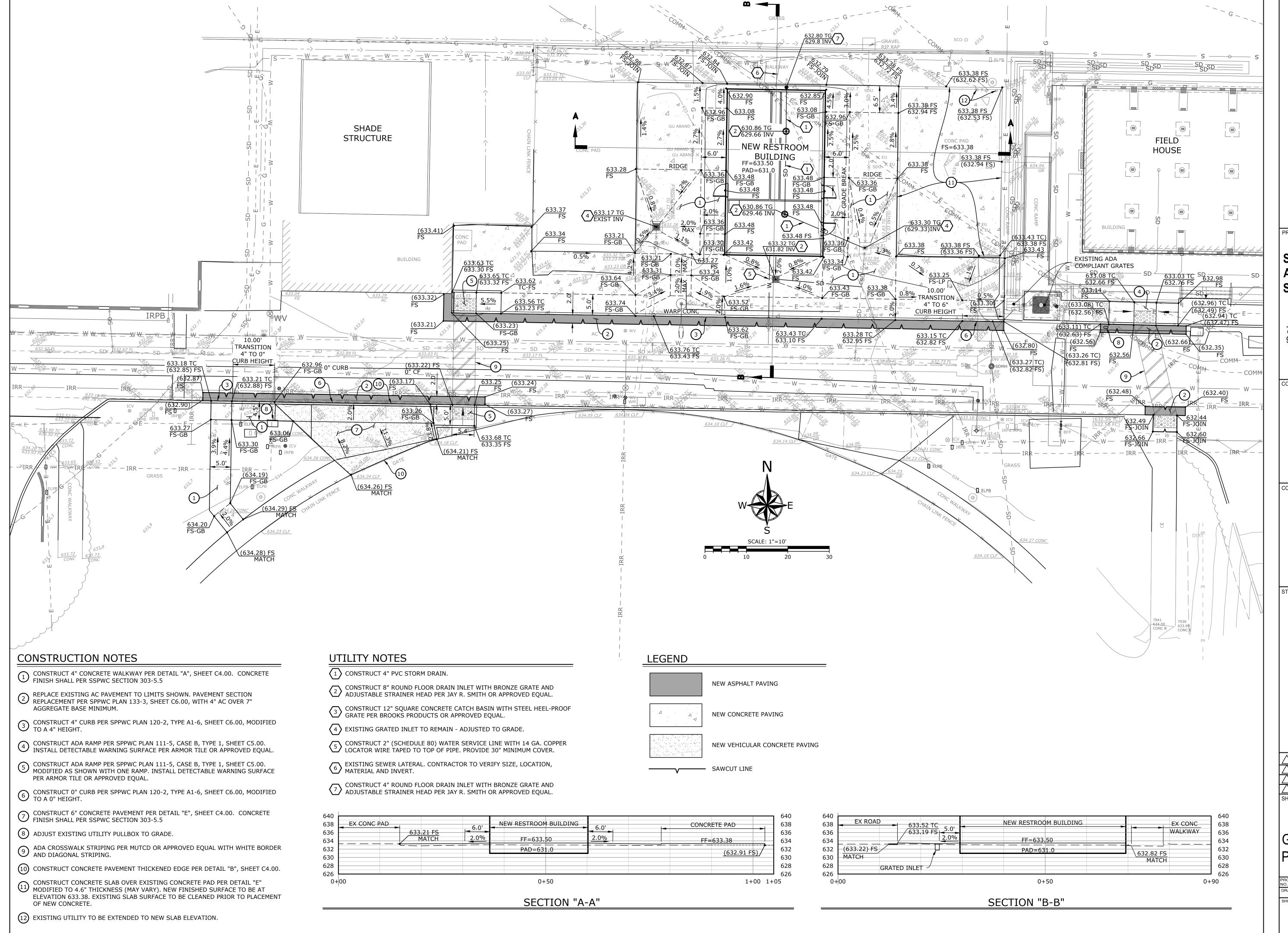
DSA SUBMITTAL

SHEET TITLE:

DEMOLITION PLAN

20-MPC-036 PROJECT Designer RMS

DATE: JULY 13, 2021 SHEET: ____ OF ____



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-121484 INC:

REVIEWED FOR
SS FLS ACS D

DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOM AND EQUIPMENT STORAGE

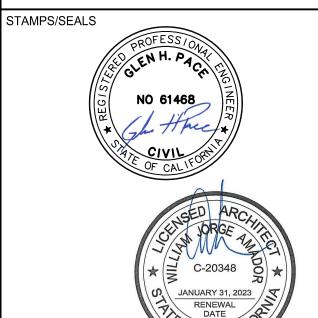
7075 Campus Rd, Moorpark, CA 93021

COMMISSIONED ARCHITECT



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





DSA SUBMITTAL

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SHEET TITLE:

GRADING & UTILITY PLAN

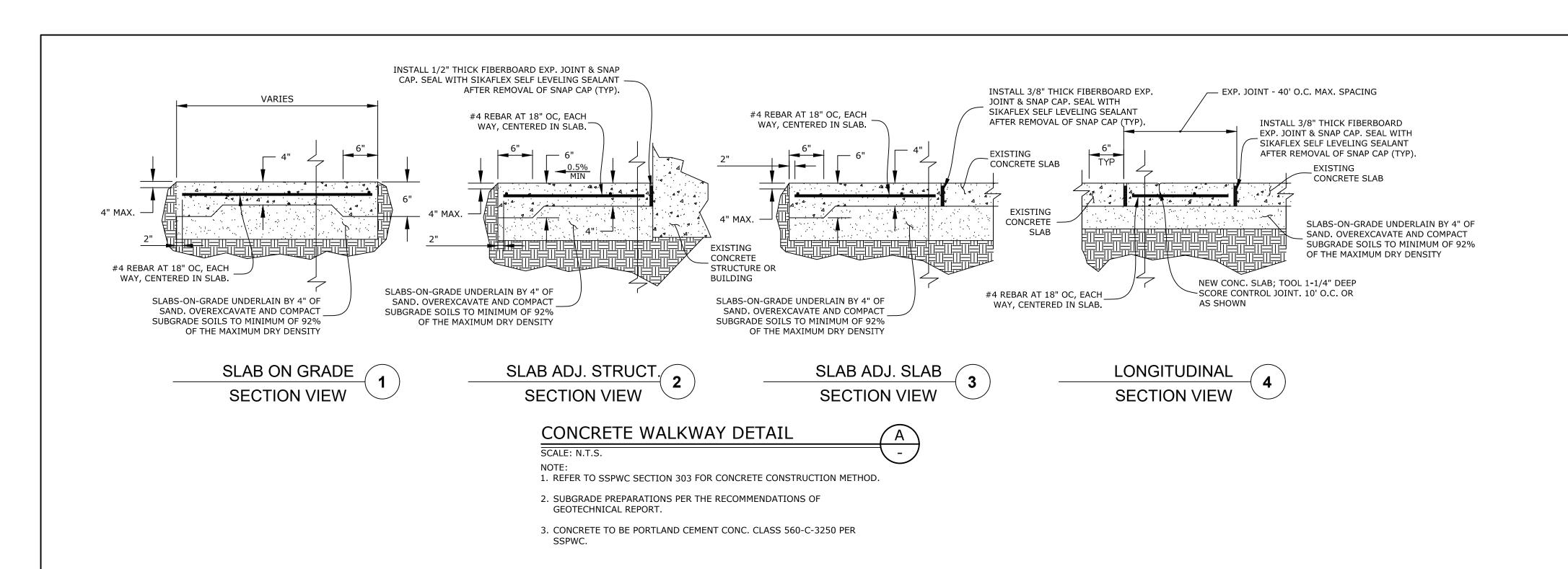
PROJECT 20-MPC-036 PROJECT ARCH: Designer

DRAWN: RMS CHECKED: GHP

JULY 13, 2021 SHEET: ____ OF ____

C3.00

N:\projects\0075\07 MC Stadium Restroom\engineering\acad\improvements\0075-07



N.T.S.

TYPICAL REINFORCING STEEL PER PAVING -SECTION _1/2" RAD (TYP) NEW PAVEMENT SECTION EXISTING AC PAVEMENT EXISTING BASE (2) CONT. #4

CONCRETE PAVEMENT THICKENED EDGE

28328 AGOURA ROAD, SUITE 203 AGOURA HILLS, CA 91301



STAMPS/SEALS



DSA SUBMITTAL

SHEET TITLE:

DETAILS SHEET

20-MPC-036 PROJECT Designer RMS

- PAVED AREAS UNPAVED AREAS: APPROVED TRENCH WIDTH NATIVE BACKFILL (COMPACT TO — FINISH SURFACE ∠2" MOUND 90% RELATIVE DRY DENSITY) OF AC PAVING 1/2" THICK PREMOLDED AGGREGATE BASE EXPANSION JOINT FILLER 1/4" RADIUS TOOLED EDGES -APPROVED NATIVE BACKFILL —COMPACT TO 95% RELATIVE DRY DETECTABLE TAPE WITH APPROPRIATE IDENTIFICATION FOR WATER OR SANITARY SEWER PIPE SIZE & INVERT _ PER PLAN SAND BEDDING (S.E. \geq 30) REINFORCING STEEL PER STRUCTURAL SSPWC 200-1.5.3 SECTION (IF REQUIRED) SAND BEDDING COMPACT TOP 8" OF NATIVE MATERIAL, OR BACKFILL TO 1. SEE PAVEMENT STRUCTURAL SECTION FOR THICKNESS ("T") AND JOINT LOCATIONS. $(S.E. \ge 30) -$ DEPTH=6" MINIMUM 90% RELATIVE DRY 2. USE SMOOTH BARS FOR DOWELS, GREASE EXPOSED END PRIOR TO SECOND POUR TO PREVENT BOND.

3. PROVIDE ADEQUATE SUPPORT FOR DOWELS TO ENSURE THEY REMAIN LEVEL WITH FINISH SURFACE.

4. EXCESS FILLER MATERIAL SHALL BE TRIMMED OFF IN A WORKMANLIKE MANNER.

5. EXCEPT FOR DOWELS, STEEL REINFORCEMENT SHALL NOT EXTEND THROUGH CONSTRUCTION/EXPANSION JOINTS.

CONSTRUCTION/EXPANSION JOINT DETAIL

1/2"Ø SMOOTH DOWEL BARS

WHEN T>6", 18" LONG AT 12"

SPACING O.C. (OMIT FOR T<6")

#4 @ 18" O.C., BOTH SCORING AND FINISH PER ─ WAYS, CENTERED PER ARCHITECTURAL PLANS SSPWC 201-2. 3250 PSI 4MIN. ⊿ CONCRETE (MIN.) 12" MIN<u></u>出 A.B. (6" MIN.) TOP OF DEEPENED EDGE MAY BE OMITTED SUBGRADE -WHERE CONCRETE PATH JOINS SCARIFY AND COMPACT_ EXISTING CONCRETE. SUBGRADE SOILS TO 95% OF RELATIVE MAXIMUM DRY DENSITY

VARIES

1. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED TO FORM SQUARE PANELS NOT TO EXCEED 10' SPACING, PER SSPWC 302-6.5.4.

2. EXPANSION JOINTS SHALL BE CONSTRUCTED AT 20' MAXIMUM SPACING, PER DETAIL "B", THIS SHEET.

3. AB: AGGREGATE BASE MATERIAL SHALL BE CLASS 2 AGGREGATE BASE PER CALTRANS STANDARD SPECIFICATIONS SECTION 26-1.02A, MOISTURE CONDITIONED AND COMPACTED PER THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.

4. SCARIFY EXPOSED SURFACE TO A MINIMUM DEPTH OF 12 INCHES AND COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION PER SECTION 6.1.4 OF THE GEOTECHNICAL REPORT.

CONCRETE WALKWAY DETAIL

SCALE: N.T.S. PER-SSPWC SECTION 201, UNLESS OTHERWISE NOTED

TYPICAL TRENCH SECTION - STORM DRAIN,

DETAIL NOTES:

SEWER, AND PRIVATE WATER LINES SCALE: N.T.S.

CONTRACTOR SHALL VERIFY EXISTING UTILITIES BY POTHOLING

THE UTILITY CONSTRUCTION

PRIOR TO CONSTRUCTION AND MAKE NECESSARY ADJUSTMENTS TO

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

REVIEWED FOR

SS 🗹 FLS 🗹 ACS 🗹

APP: 03-121484 INC:

DATE: 08/11/2021

PROJECT TITLE

AND EQUIPMENT STORAGE

7075 Campus Rd, Moorpark, CA

STADIUM RESTROOM

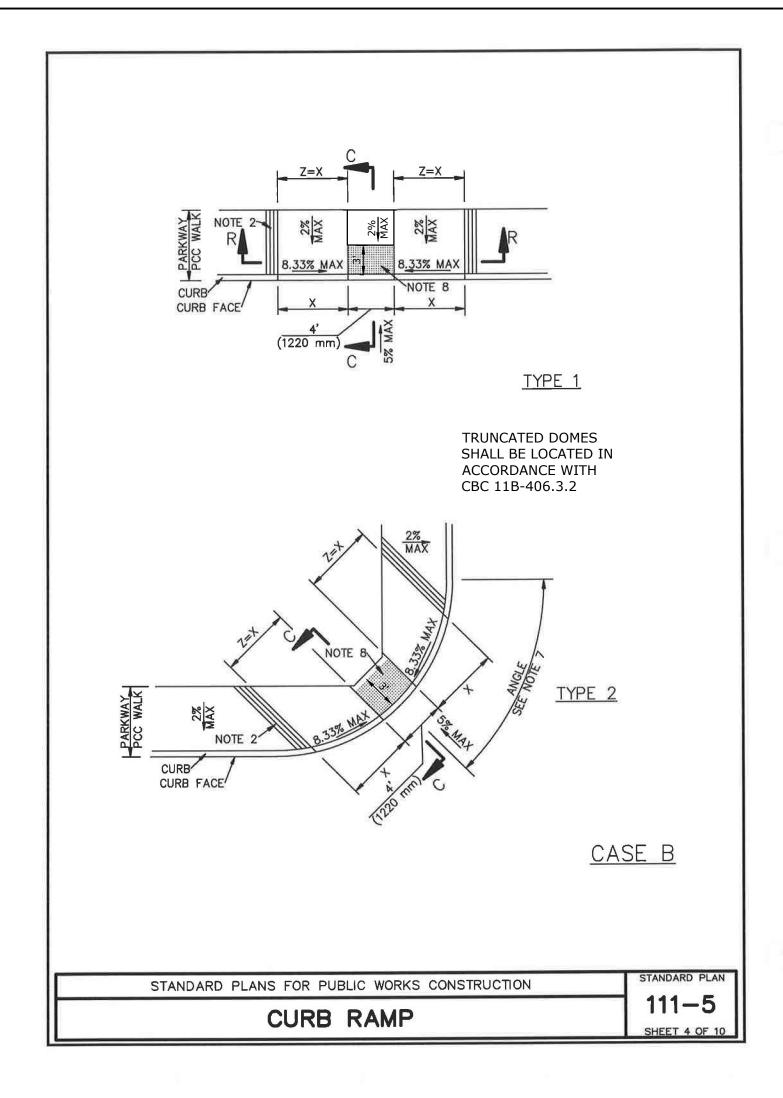
COMMISSIONED ARCHITECT

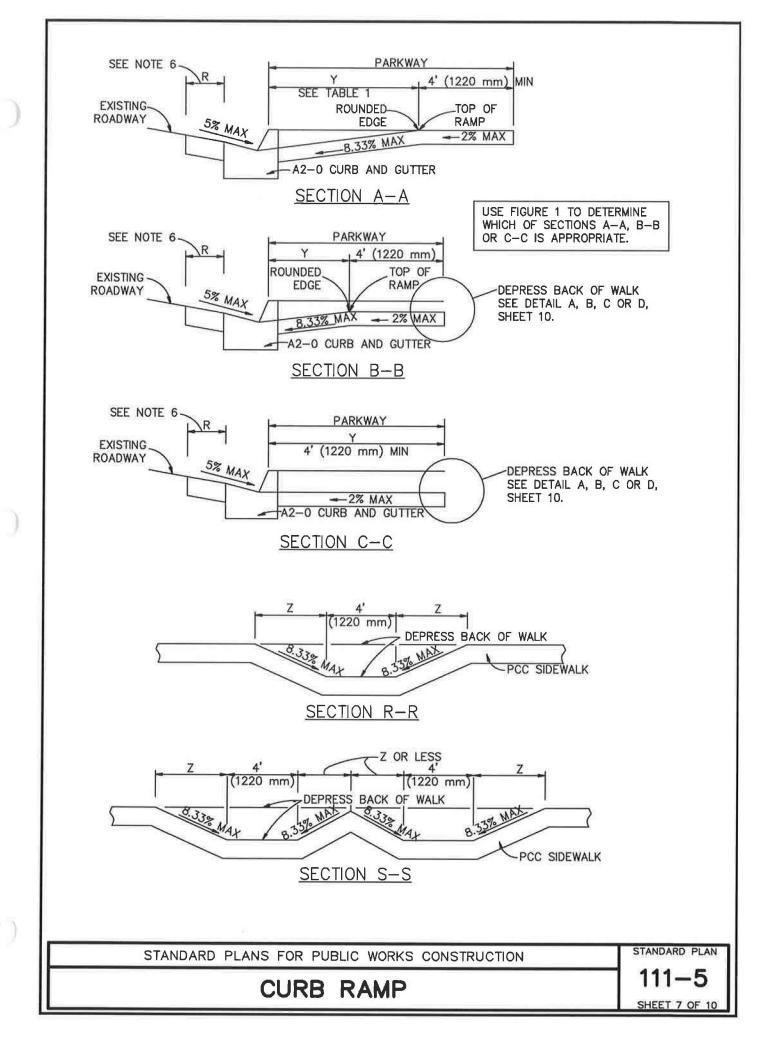
AMADOR WHITTLE ARCHITECTS, INC.

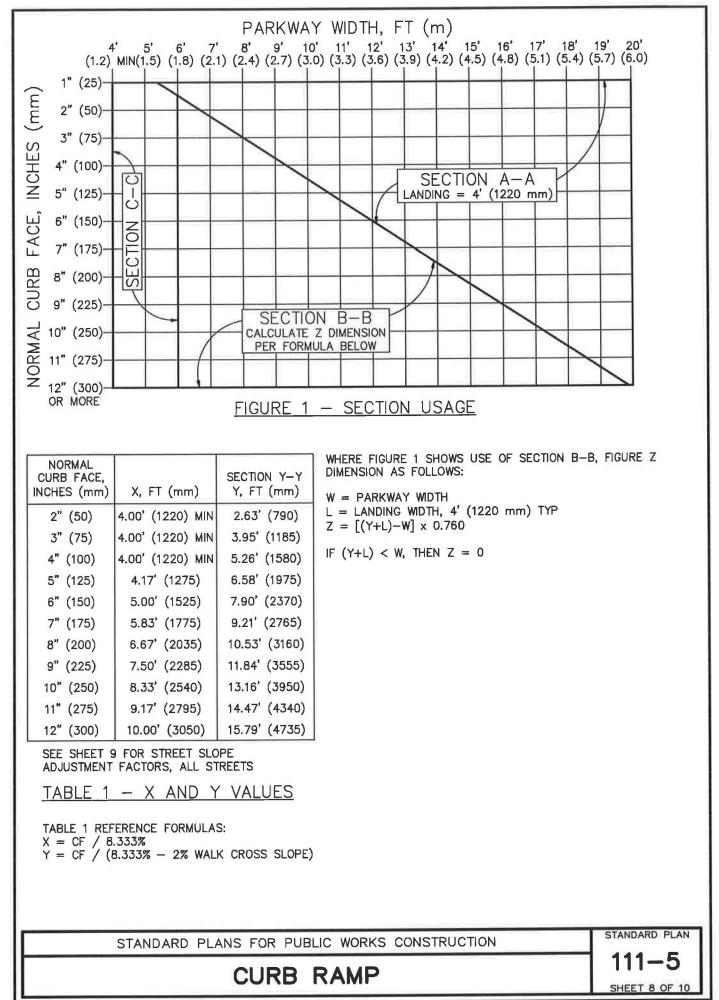
(805) 530-3938 , (818) 874-0071

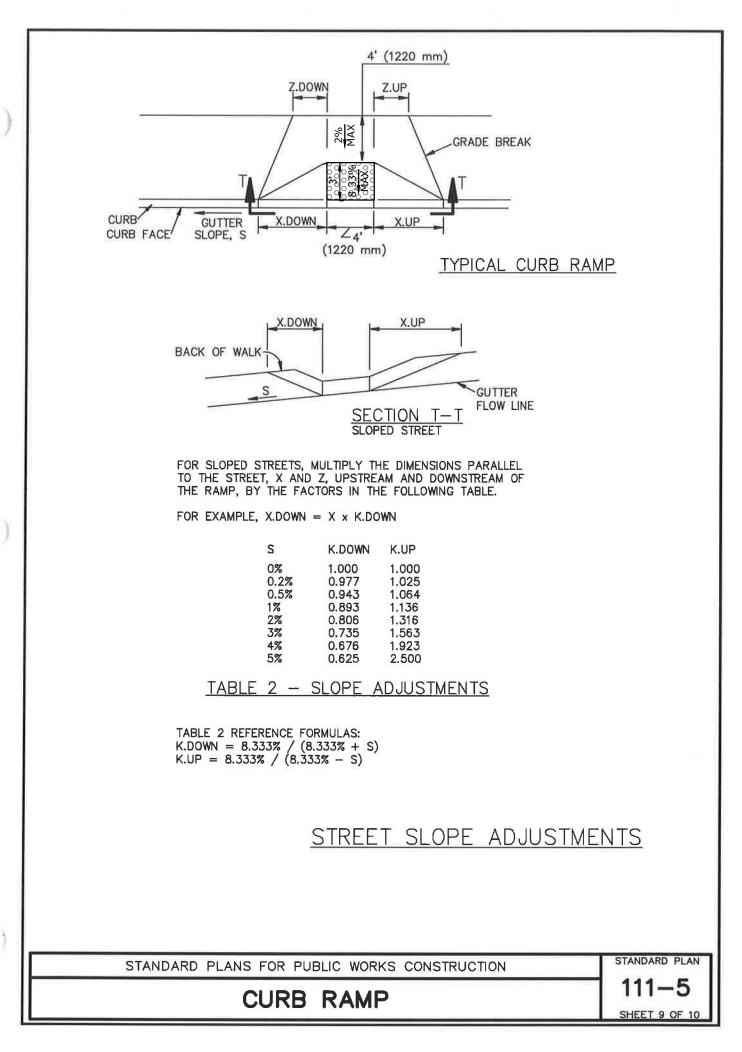
333 N. LANTANA ST, SUITE 287, CAMARILLO, CA 93010 PHONE: 805.322.4443 WEBSITE: WWW.ECGCIVIL.COM

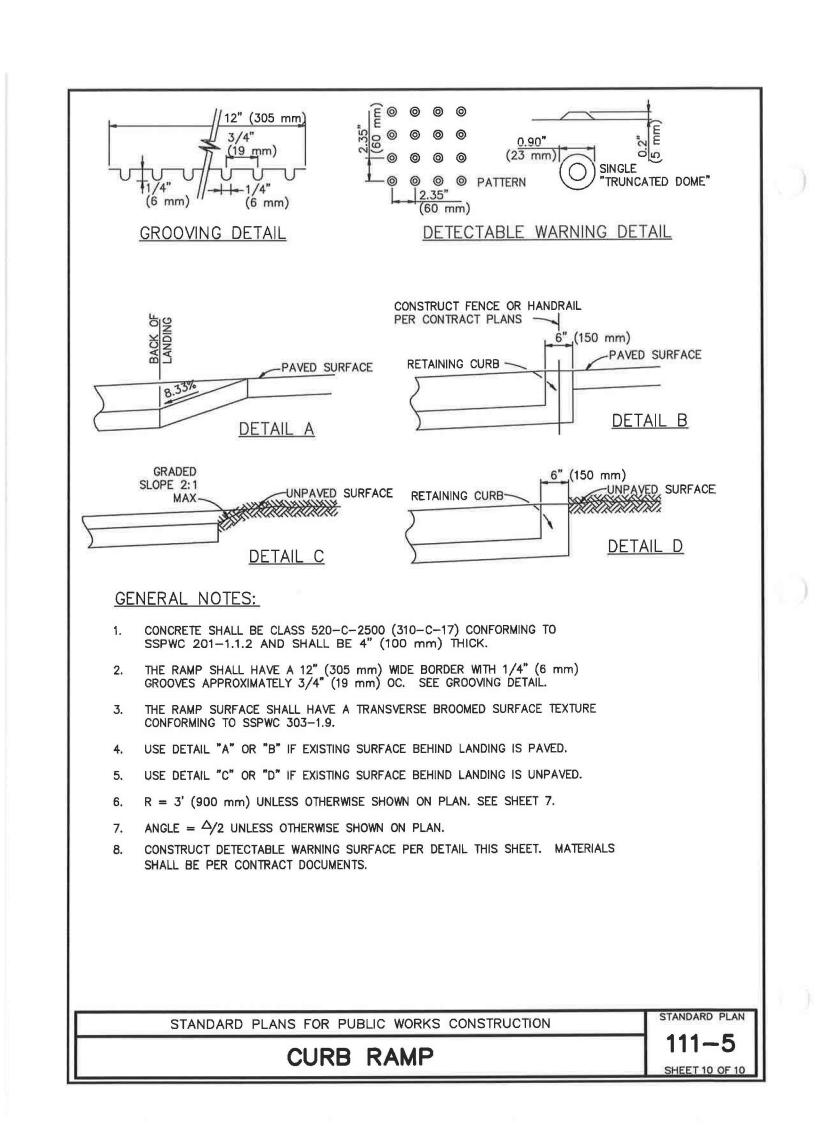
JULY 13, 2021 SHEET: ____ OF ____













PROJECT TITLE

STADIUM RESTROOM AND EQUIPMENT STORAGE

7075 Campus Rd, Moorpark, CA 93021

COMMISSIONED ARCHITECT



28328 AGOURA ROAD, SUITE 203 AGOURA HILLS, CA 91301



STAMPS/SEALS

NO 61468

NO 61468

CIVIL OF CALLED

ARCHITICAL

OF CALLED

JANUARY 31, 2023

RENEWAL

DATE

OF CALLED

DSA SUBMITTAL

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△
SHEET TITLE:

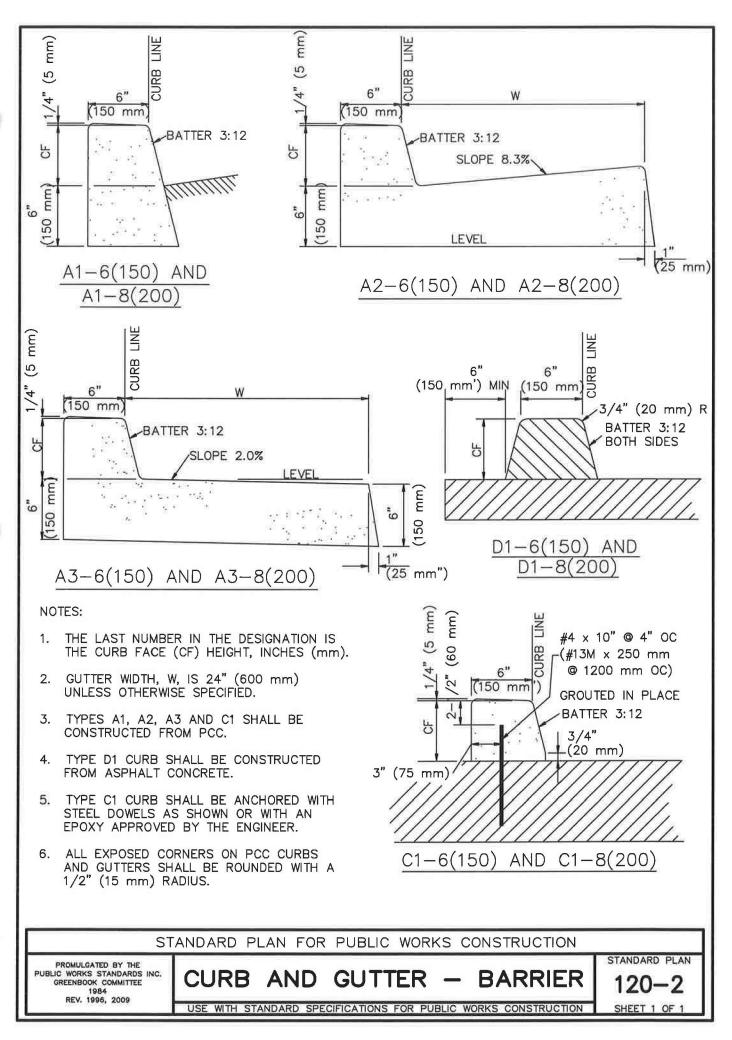
SPPWC STANDARD PLANS

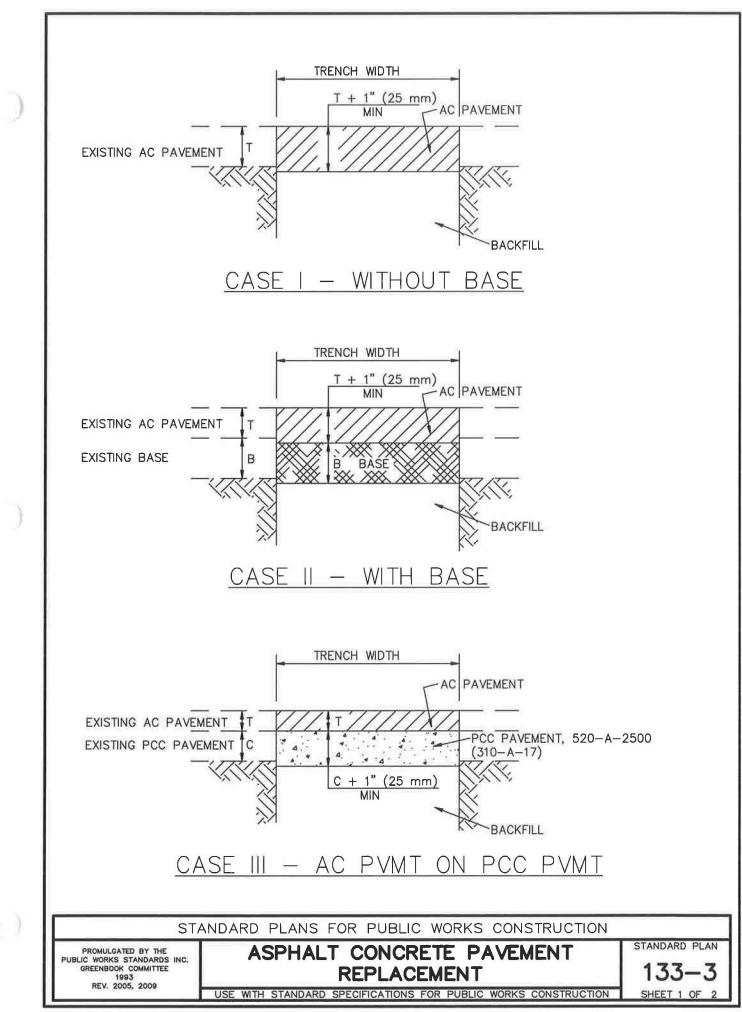
PROJECT 20-MPC-036 PROJECT ARCH: Designer

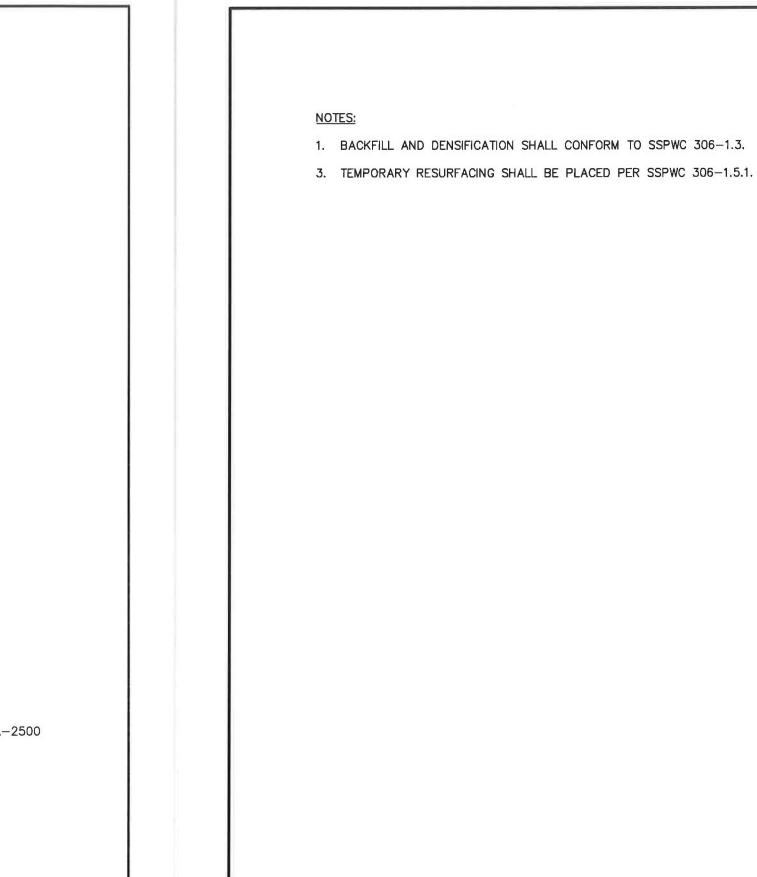
DRAWN: RMS CHECKED: GHP

C5.00

JULY 13, 2021 SHEET: ____ OF ___







IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOM AND EQUIPMENT STORAGE

7075 Campus Rd, Moorpark, CA 93021

COMMISSIONED ARCHITECT

STANDARD PLAN

133-3

SHEET 2 OF 2

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

ASPHALT CONCRETE PAVEMENT REPLACEMENT



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



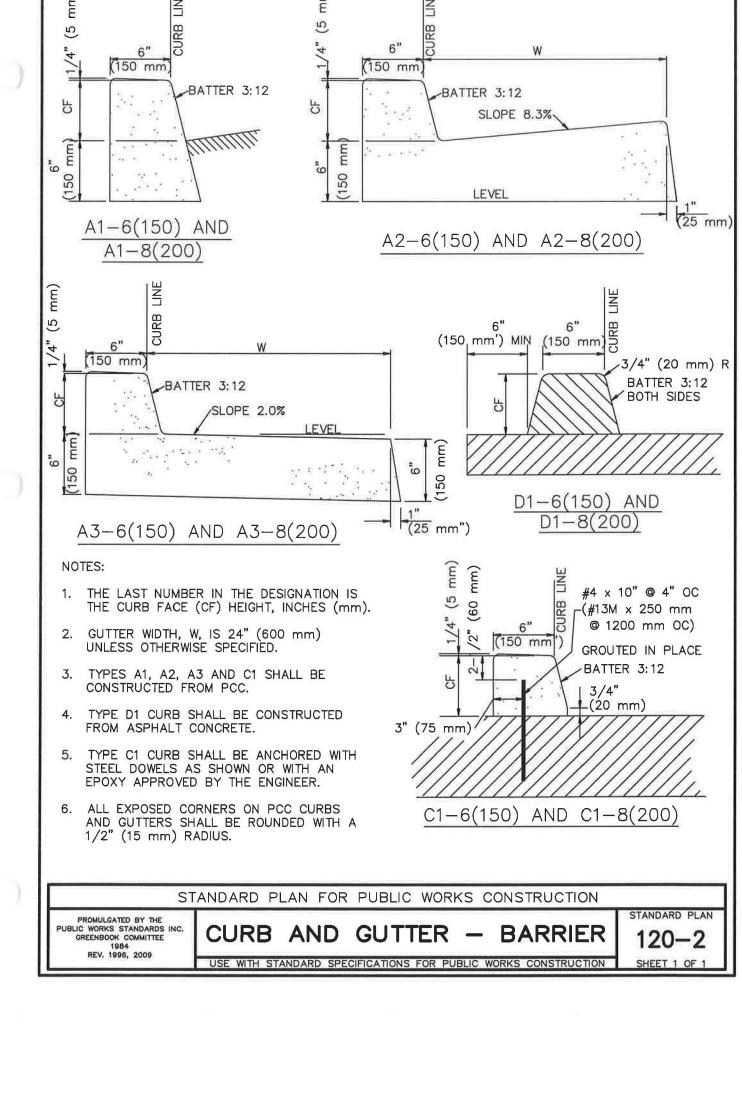
STAMPS/SEALS

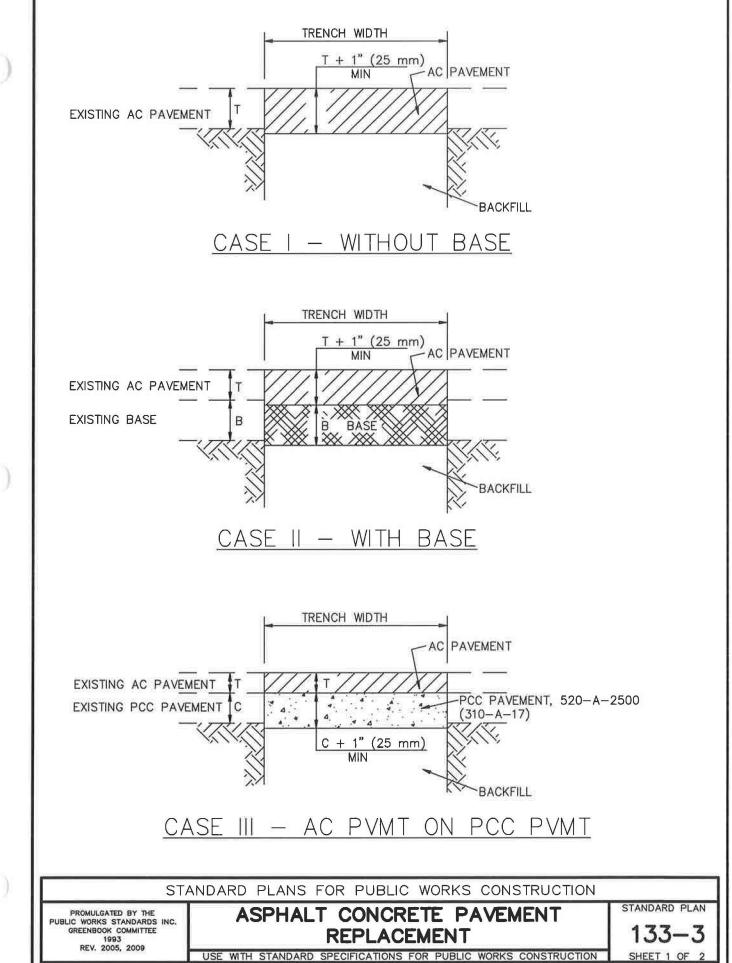
DSA SUBMITTAL

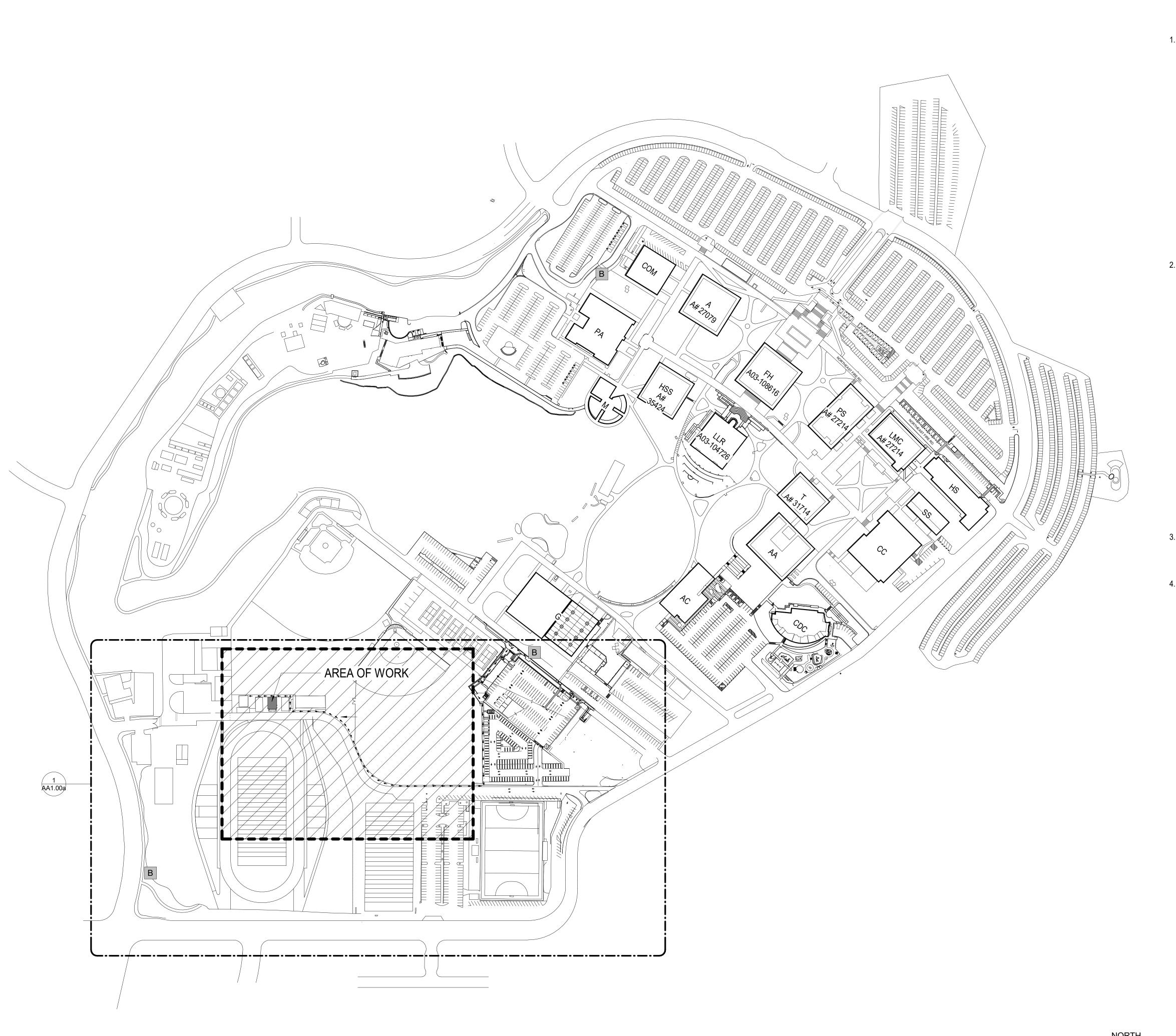
SPPWC STANDARD PLANS

20-MPC-036 PROJECT ARCH: Designer

DATE: JULY 13, 2021 SHEET: ____ OF ___







CAMPUS SITE PLAN

GENERAL NOTES

PATH OF TRAVEL (P.O.T.) AND ACCESSIBLE ROUTE OF TRAVEL AS INDICATED IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. P.O.T. IS A MINIMUM 48" WIDE. THE SURFACE SHALL BE FIRM, STABLE AND SLIP RESISTANT. PASSING SPACES AT LEAST 60" x 60" SHALL BE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS SHALL HAVE 60" LEVEL AREAS WHERE THE CROSS-SLOPE IS LESS THAN 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. SLOPES GREATER THAN 5% TO A MAXIMUM OF 8.33% SHALL BE CONSIDERED AS A RAMP (2016 CBC 11B-405.2). THERE SHALL BE NO DROP-OFF OVER 4" ALONG THE EDGE OF WALK OR LANDING. PROVIDE 6" HIGH WARNING CURB IF HIGHER THAN 4". P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS AND SUBJECTS PROTRUDING GREATER THAN 4" FROM A WALL, BETWEEN 27" TO 80" ABOVE FINISH GRADE (11B-307.2). ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL. " DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE

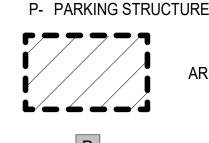
CHARGE STATEMENT: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF P.O.T. THAT WERE DETERMINED TO BE NON COMPLIANT 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 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 CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT"

FOR WALKWAYS, THE SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT EXCEED 1:20 GRADIENT (5.0%)
 AND CROSS SLOPE SHALL NOT EXCEED 1:48
 GRADIENT (2.0%) WITH A MINIMUM WIDTH OF FORTY EIGHT INCHES (48") CBC 11B-403.3 AND 11B-403.5.1.3
 FOR GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY IN THE PATH OF TRAVEL, GRID/OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAX. CLEAR IN THE DIRECTION OF TRAVEL FLOW.

BUILDING LEGEND

ALL LISTED BUILDINGS ARE CLOSED AND CERTIFIED

A-	ADMINISTRATION	A# 27079
AA-	APPLIED ARTS	A# 27214
AC-	ACADEMIC CENTER	A# 03-110305
CC-	CAMPUS CENTER	A# 27214
CDC-	CHILD DEVELOPMENT CENTER	A# 03-107539
COM-	COMMUNICATIONS	A# 51411
FH-	FOUNTAIN HALL	A# 03-108616
HS-	HEALTH SCIENCE	A# 03-111305
HSS-	HUMANITIES / SOCIAL SCIENCE	A# 35424
LLR-	LIBRARY / LEARNING RESOURCES	S A# 03-104726
LMC-	LIFE / MATH / COMPUTER SCIENC	E A# 27214
M-	MUSIC	A# 35424
MO-	MAINTENANCE / OPERATIONS	A# 27079
0-	OBSERVATORY	A# 47124
PA-	PERFORMING ARTS	A# 57288
PS-	PHYSICAL SCIENCE	A# 27214
SS-	STUDENT SERVICES	A# 40577
T-	TECHNOLOGY / BUSINESS	A# 31714
G-	GYMNASIUM	A# 27349
POS-	POLICE STATION	A# 03-114024
P-	PARKING STRUCTURE	A# 03-114024



AREA OF WORK

 \rightarrow

PATH OF TRAVEL

BUS STOP

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 03-121484 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOMS AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA 93021

COMMISSIONED ARCHITECT



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

CONSULTANT

STAMPS/SEALS



DSA SUBMITTAL

	7-19-21	DSA BACKCHECK
	5-14-21	DSA
	4-29-21	FIRE DEPT.
SHEET T	TTI F	

CAMPUS SITE PLAN

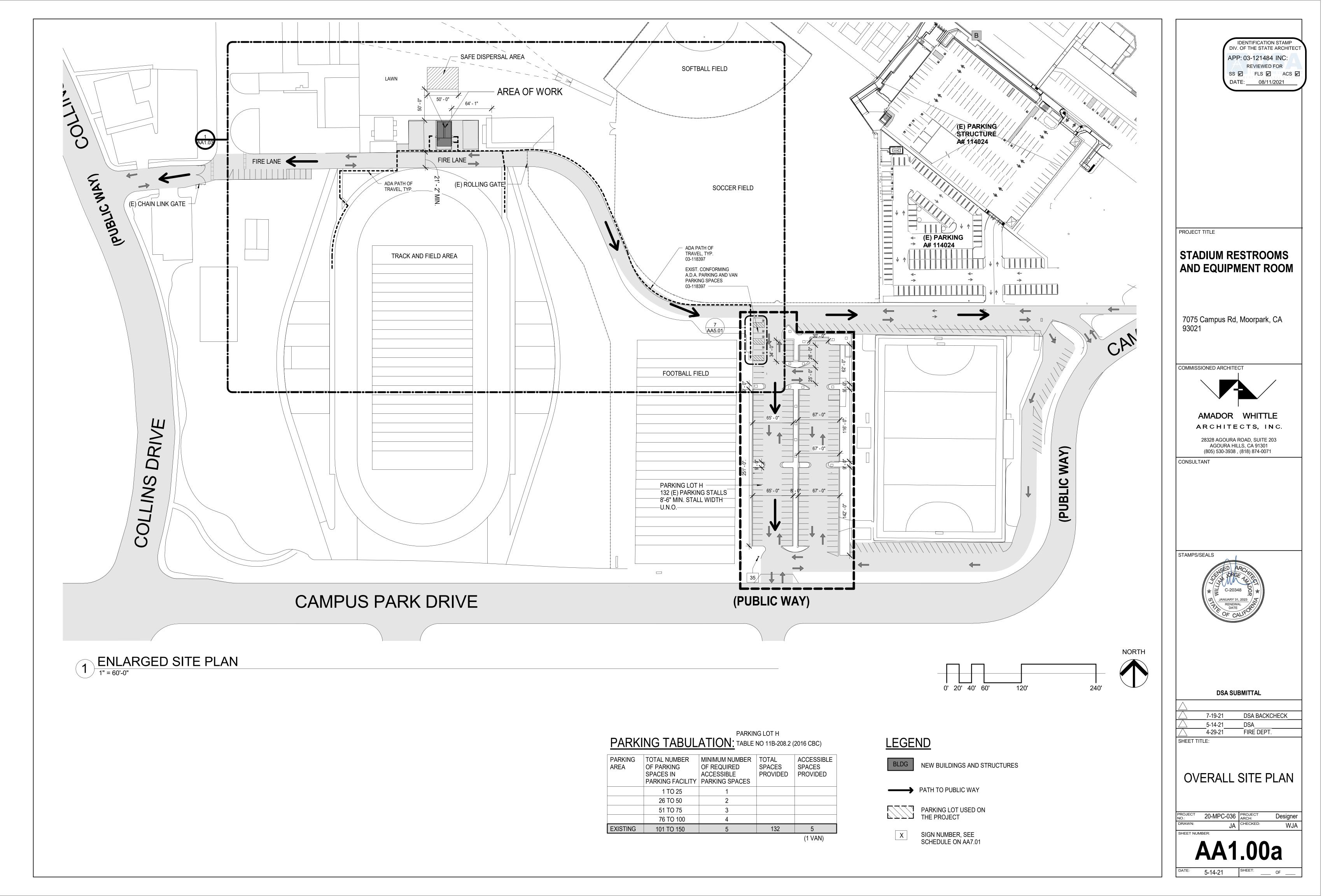
PROJECT NO.:	20-MPC-036	PROJECT ARCH:	Designer
DRAWN:	JA	CHECKED:	WJA
SHEET NUME	BER:		

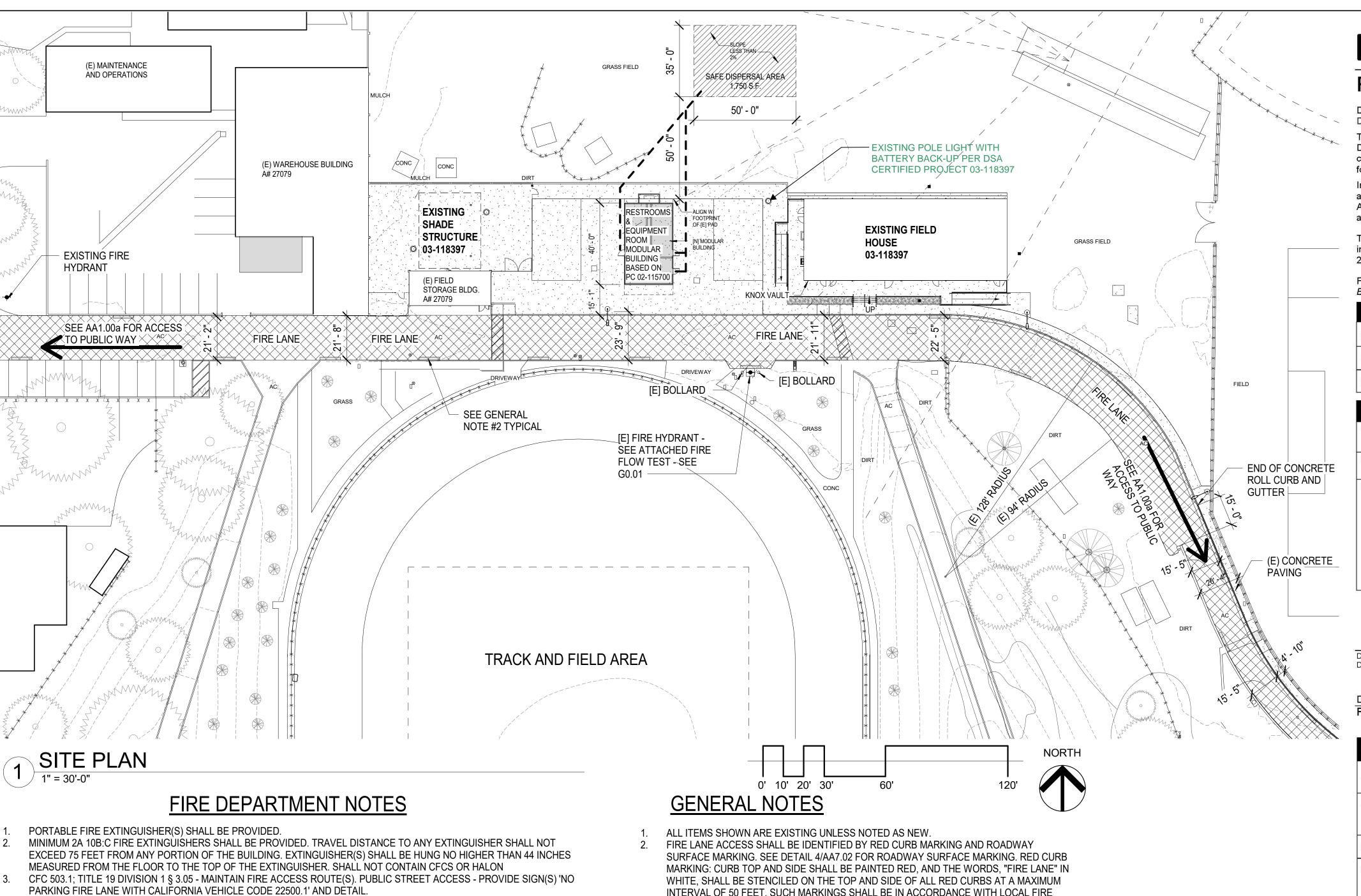
AA1.00

5-14-21

0' 80' 160' 320' 640'







- 2. MINIMUM 2A 10B:C FIRE EXTINGUISHERS SHALL BE PROVIDED. TRAVEL DISTANCE TO ANY EXTINGUISHER SHALL NOT
- 4. CFC 506.1 MAINTAIN / PROVIDE KEY BOXES FOR FIRE DEPARTMENT ACCESS, AS APPROPRIATE.
- 5. CFC 901.4; 907.8.5 INSTALLATION FIRE PROTECTION SYSTEM SHALL BE MAINTAINED IN ACCORDANCE WITH ORIGINAL INSTALLATION STANDARDS FOR THAT SYSTEM. REQUIRED SYSTEM SHALL BE EXTENDED, ALTERED OR AUGMENTED AS NECESSARY TO MAINTAIN AND CONTINUE PROTECTION WHENEVER THE BUILDING IS ALTERED, REMODELED OR ADDED
- 6. 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.
- 8. 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. 9. 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 & INCORPORATE APPLICABLE SECTIONS PER: 2016 CALIFORNIA REGULATIONS 10. CBC 3301.1 - THE PROVISIONS OF THIS CHAPTER SHALL GOVERN SAFETY DURING CONSTRUCTION AND THE PROTECTION OF ADJACENT PUBLIC PROPERTIES.
- 11. CBC 3302.3 FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THIS CODE AND THE APPLICABLE PROVISIONS OF CHAPTER 33 OF CALIFORNIA FIRE CODE.
- 12. CBC 3309.1 STRUCTURES UNDER CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE PROVIDED WITH NO FEWER THAN ONE APPROVED PORTABLE FIRE EXTINGUISHER IN ACCORDANCE WITH SECTION 906 AND SIZED FOR NOT LESS THAN ORDINARY HAZARD AS FOLLOWS: 1. ONE AT EVERY STORAGE AND CONSTRUCTION SHED. 2. ADDITIONAL PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED WHERE SPECIAL HAZARDS EXIST, SUCH AS THE STORAGE AND USE FLAMMABLE AND COMBUSTIBLE LIQUIDS.
- 13. INCORPORATE TESTING NOTE: 'COMPLETION OF CONSTRUCTION SHALL INCLUDE RE-ACCEPTANCE TESTING PROVISION FROM NFPA 72 CHAPTER 14 IN ACCORDANCE WITH CFC 907.7; SMOKE DETECTORS SENSITIVITY AS REQUIRED BY CFC 907.8.3; 907.8.4 & SECTION 14.4.4.3'
- 14. CFC 1031.1 THE MEANS OF EGRESS FOR BUILDING OR PORTIONS THEREOF SHALL BE MAINTAINED IN ACCORDANCE WITH THIS SECTION.
- 15. CFC 1031.2 REQUIRED EXIT ACCESSES, EXITS AND EXIT DISCHARGES SHALL BE CONTINUOUSLY MAINTAIN 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.
- 16. CFC 1031.2.1 SECURITY DEVICES AFFECTING MEANS OF EGRESS SHALL BE SUBJECT TO APPROVAL OF THE FIRE CODE OFFICIAL
- 17. CFC 1031.3 A MEANS OF EGRESS SHALL BE FREE FROM OBSTRUCTIONS THAT WOULD PREVENT ITS USE, INCLUDING THE ACCUMULATION OF SNOW AND ICE.
- 18. CFC 1031.4 EXIT SIGNS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH SECTION 1013. DECORATIONS. FURNISHING, EQUIPMENT OR ADJACENT SIGNAGE THAT IMPAIRS THE VISIBILITY OF EXISTING SIGNS, CREATES CONFUSION OR PREVENTS IDENTIFICATION OF THE EXIT SHALL NOT BE ALLOWED.

INTERVAL OF 50 FEET. SUCH MARKINGS SHALL BE IN ACCORDANCE WITH LOCAL FIRE DEPARTMENT.

LEGEND

BLDG	NEW BUILDINGS AND STRUCTURES	⊷ FH	FIRE HYDRANT
BLDG	EXISTING BUILDINGS NOT PART OF SCOPE OF WORK		PATH OF TRAVEL
	NEW CONCRETE PAVING		PATH TO SAFE DISPERSAL AREA
	FIRE LANE		2.3. <u>2</u> 3 / . 2 /

CBC SECTION 507 FIRE PROTECTION WATER SUPPLIES:

507.1 REQUIRED WATER SUPPLY. AN APPROVED WATER SUPPLY CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW FOR FIRE PROTECTION SHALL BE PROVIDED TO PREMISES UPON WHICH FACILITIES, BUILDINGS OR PORTIONS OF BUILDINGS ARE HEREAFTER CONSTRUCTED OR MOVED INTO OR WITHIN THE JURISDICTION.

507.3 FIRE FLOW. FIRE FLOW REQUIREMENTS FOR BUILDINGS OR PORTIONS OF BUILDINGS AND FACILITIES SHALL BE DETERMINED BY AN APPROVED METHOD OR APPENDIX B.

507.4 WATER SUPPLY TEST. THE FIRE CODE OFFICIAL SHALL BE NOTIFIED PRIOR TO THE WATER SUPPLY TEST. WATER SUPPLY TESTS SHALL BE WITNESSED BY THE FIRE CODE OFFICIAL OR APPROVED DOCUMENTATION OF THE TEST SHALL BE PROVIDED TO THE FIRE OFFICIAL PRIOR TO FINAL APPROVAL OF THE WATER SUPPLY SYSTEM. **507.5. FIRE HYDRANT SYSTEMS**

507.5.1 WHERE REQUIRED. WHERE A PORTION OF THE FACILITY OR BUILDING HEREAFTER CONSTRUCTED OR MOVED INTO OR WITHIN THE JURISDICTION IS MORE THAN 400 FEET FROM A HYDRANT ON A FIRE APPARATUS ACCESS ROAD, AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE FACILITY OR BUILDING, ON-SITE FIRE HYDRANTS AND MAINS SHALL BE PROVIDED WHERE REQUIRED BY THE FIRE CODE OFFICIAL

507.5.2 INSPECTION, TESTING AND MAINTENANCE. FIRE HYDRANT SYSTEMS SHALL BE SUBJECT TO PERIODIC TESTS AS REQUIRED BY THE FIRE CODE OFFICIAL. FIRE HYDRANT SYSTEMS SHALL BE MAINTAINED IN AN OPERATIVE CONDITION AT ALL TIMES AND SHALL E REPAIRED WHERE DEFECTIVE. ADDITIONS, REPAIRS, ALTERATIONS AND SERVICING SHALL COMPLY WITH APPROVED STANDARDS. RECORDS OF TESTS AND REQUIRED MAINTENANCE SHALL BE MAINTAINED 507.5.4 OBSTRUCTION. UNOBSTRUCTED ACCESS TO FIRE HYDRANTS SHALL BE MAINTAINED AT ALL TIMES. THE FIRE DEPARTMENT SHALL NOT BE DETERRED OR HINDERED FROM GAINING IMMEDIATE ACCESS TO FIRE PROTECTION **EQUIPMENT OR FIRE HYDRANTS.**

507.5.5 CLEAR SPACE AROUND HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE O FIRE HYDRANTS, EXCEPT AS OTHERWISE REQUIRED OR APPROVED.

507.5.6 PHYSICAL PROTECTION. WHERE FIRE HYDRANTS ARE SUBJECT TO IMPACT BY A MOTOR VEHICLE, GUARD POSTS OR OTHER APPROVED MEANS SHALL COMPLY WITH SECTION 312.

ADSA

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

	DJECT INFORMATION								
Sch	chool District/Owner: Ventura County Community College District								
Proj	Project Name/School: Stadium Restroom and Concession Building								
Proj	iect Address: 7075 Campus Rd., Moorpark, CA 93021								
FIR	E & LIFE SAFETY INFORMATION								
1.	Has a fire hydrant flow test been performed within the past 12 months?	Yes 🗹		No □					
	(If yes, provide a copy of the test data.)								
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☑ Yes □		No □					
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)			No ☑					
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate □	High □	Very High □					
	Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)								

DGS DSA 810 (revised 12/29/20) DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA DIVISION OF THE STATE ARCHITECT

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CON	IDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Emergency vehicle access roadways do not meet CFC requirements.	Yes	No	N/A	N/R
4.	Emergency veriloic access roadways do not meet or o requirements.			1	
4a.	Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	Fire Hydrants: Number and spacing does not meet CFC requirements.			1	
5a.	Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	Fire Hydrants: Water flow and pressure are less than CFC minimum.			1	
6a.	Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			1	
7a.	Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

DGS DSA 810 (revised 12/29/20).

DIVISION OF THE STATE ARCHITECT

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name: Ventura County Fire Dept	
LFA Review Official: Lori Ross	
Title: Senior Fire Inspector	Work Phone: (805) 947-8535
Work Email: Lori.ross@ ventura.org	
.FA Reviewer's Signature:	04/03/21 Date:

DEPARTMENT OF GENERAL SERVICES

Page 2 of 4 STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOMS AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA

COMMISSIONED ARCHITECT



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

CONSULTANT



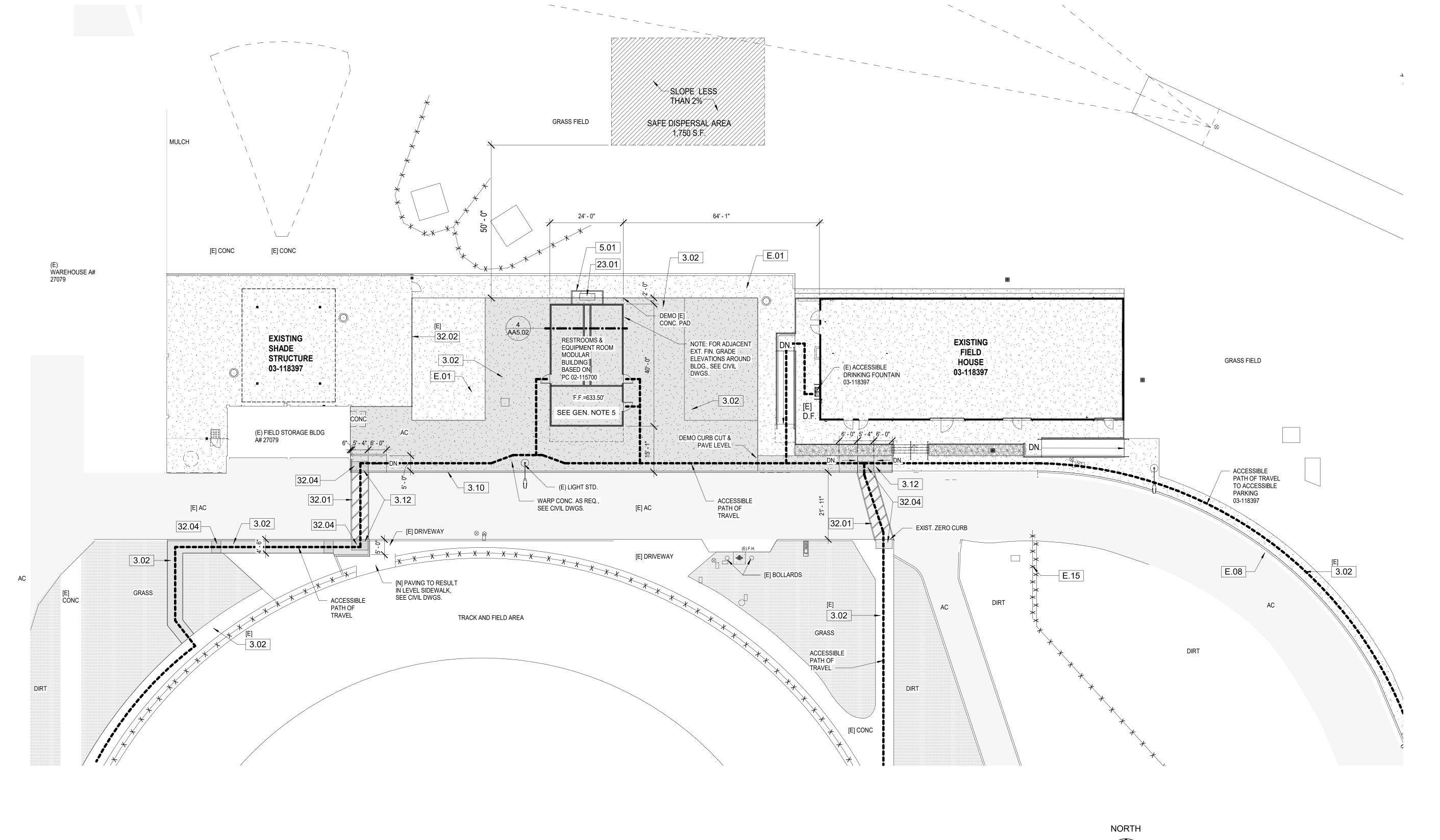
DSA SUBMITTAL

	7-19-21	DSA BACKCHECK	
	5-14-21	DSA	
	4-29-21	FIRE DEPT.	_
SHEET	TITLE:		_

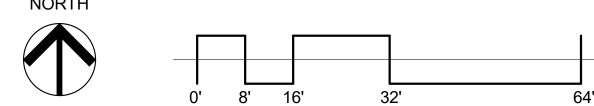
SITE PLAN - LOCAL FIRE AUTHORITY **REVIEW**

20-MPC-036 PROJECT ARCH: Designer GE CHECKED: WJA

5-14-21



1 ENLARGED SITE PLAN
1/16" = 1'-0"



GENERAL NOTES

- . GENERAL CONTRACTOR TO COORDINATE ALL SITE WORK WITH CIVIL DRAWINGS.
- 2. RELOCATE THE POINTS OF CONNECTION OF EXISTING UTILITIES CROSSING THE AREA OF WORK AS SHOWN ON CIVIL DRAWINGS.

 3. PEDAID EXISTING DI ANTING APEAS AFTER FINISH CONSTRUCTION
- 3. REPAIR EXISTING PLANTING AREAS AFTER FINISH CONSTRUCTION.
 4. FINISH GRADES AROUND BUILDINGS SHALL SLOPE AWAY AT TWO (2%)
- PERCENT MINIMUM FOR THE FIRST FOUR (4') FEET FROM THE BUILDING.

 5. ADD SIGN WITH 1" HIGH LETTERS "THIS FLOOR IS NOT SUITABLE FOR HEAVY CONCENTRATED LOADS CHECK WITH FACILITIES OFFICE"

EXISTING KEYNOTES

- E.01 (E) CONCRETE PAD TO REMAIN
- E.08 (E) CONCRETE SWALE
- E.15 (E) ROLLING GATE TO REMAIN

KEYNOTES

- 3.02 CONCRETE SIDEWALK PER CIVIL DRAWINGS
- 10 CONCRETE CURB PER CIVIL DRAWINGS, SEE SHEET C6.00
- 3.12 CONCRETE CURB RAMP, SEE SHEET C5.00
- 5.01 RAILING, SEE 2/AA5.03
- 23.01 CONDENSOR UNIT ON CONC. PAD, SEE AMS MECHANICAL
- 32.01 PAINTED ACCESSIBLE CROSSWALK STRIPING, DOUBLE COAT WHITE BORDER AND DIAGONAL STRIPING
- 32.02 CHAIN LINK FENCE
- 04 DETECTABLE WARNING SURFACE TRUNCATED DOMES, SEE 6/AA5.01

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-121484 INC:

REVIEWED FOR SS FLS ACS DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOMS AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA 93021

COMMISSIONED ARCHITECT



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

CONSULTANT

OTAMPO/O



DSA SUBMITTAL

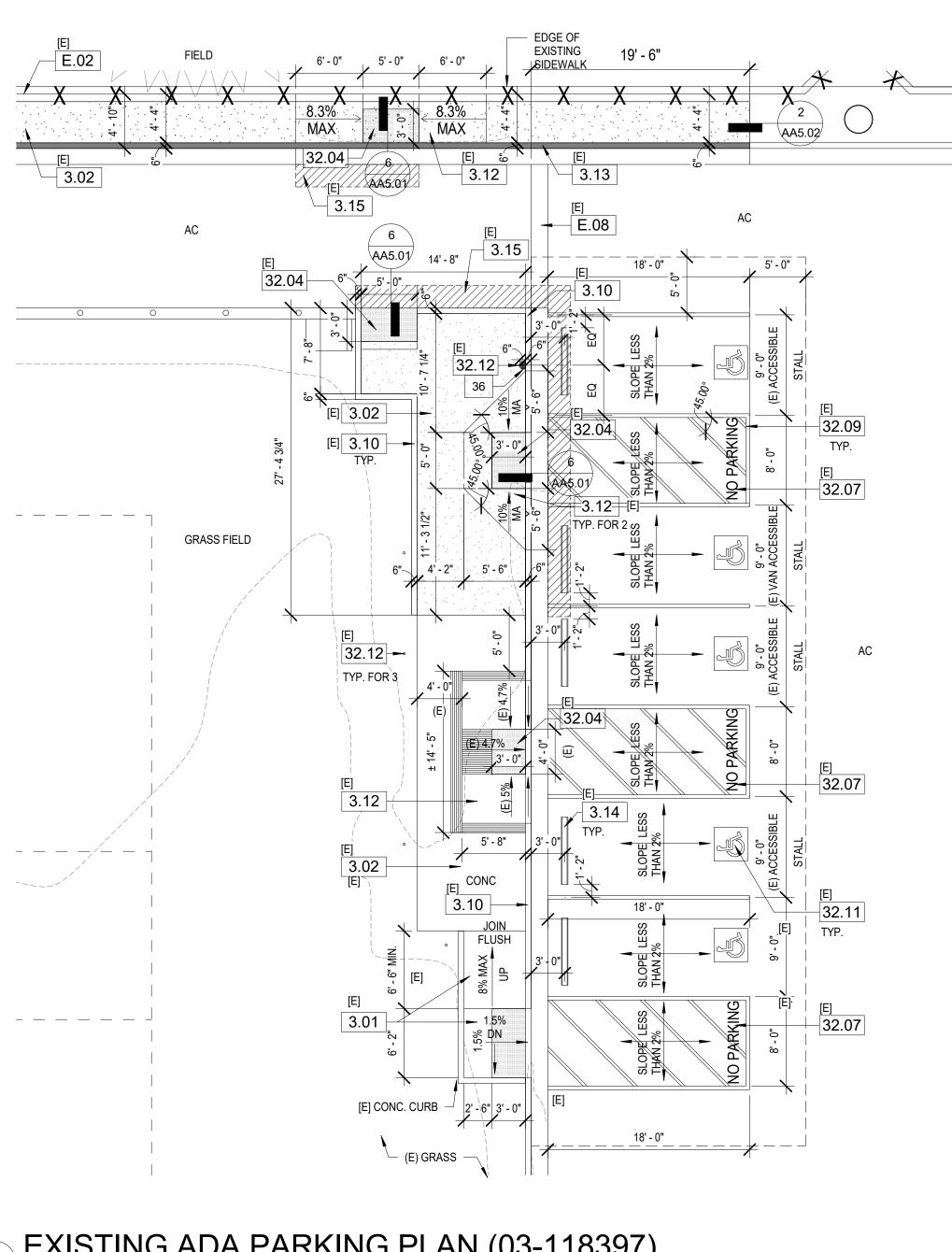
	7-19-21	DSA BACKCHECK_	
	5-14-21	DSA	
	4-29-21	FIRE DEPT.	_
SHEET	TITLE:		

ENLARGED SITE PLAN

PROJECT NO.:	20-MPC-036	PROJECT ARCH:	Designer
DRAWN:	GE	CHECKED:	WJA
SHEET NIIIN	ADED:		

AA1.03

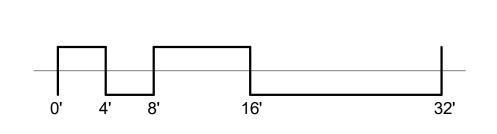
DATE: 5-14-21 SHEET: ____ OF ___





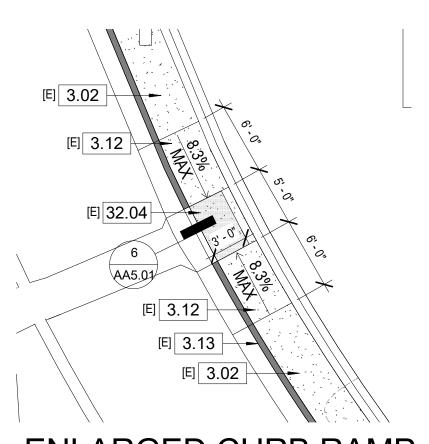
KEYNOTES

- CONCRETE SLAB ON GRADE, PER A/C4.00
- CONCRETE SIDEWALK PER CIVIL DRAWINGS CONCRETE CURB PER CIVIL DRAWINGS, SEE SHEET C6.00
- CONCRETE CURB RAMP, SEE SHEET C5.00
- ROLL CURB AND GUTTER
- CONCRETE CONCRETE WHEEL STOP, SEE 5/AA5.01
- REPLACE AC PAVEMENT TO LIMITS SHOWN, SEE SHEET C6.00
- 32.04 DETECTABLE WARNING SURFACE TRUNCATED DOMES, SEE 6/AA5.01
- 32.09 PAINTED 4" WIDE BLUE BORDERLINE AND HATCHED LINES AT 36" O.C., DOUBLE COAT
- 32.11 I.S.A. PARKING STALL PAINTED SYMBOL, DOUBLE COAT, SEE 3/AA5.02
- 32.12 POST MOUNTED I.S.A. PARKING SIGN, SEE 1/AA5.03

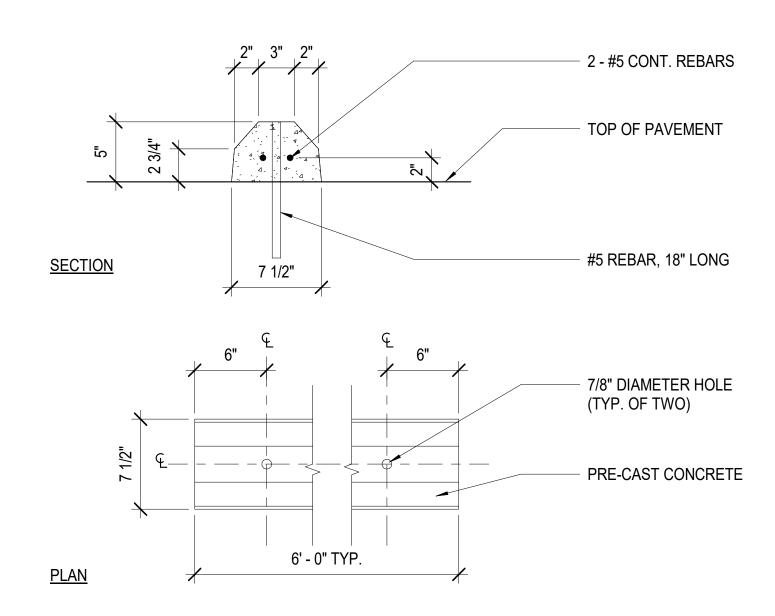




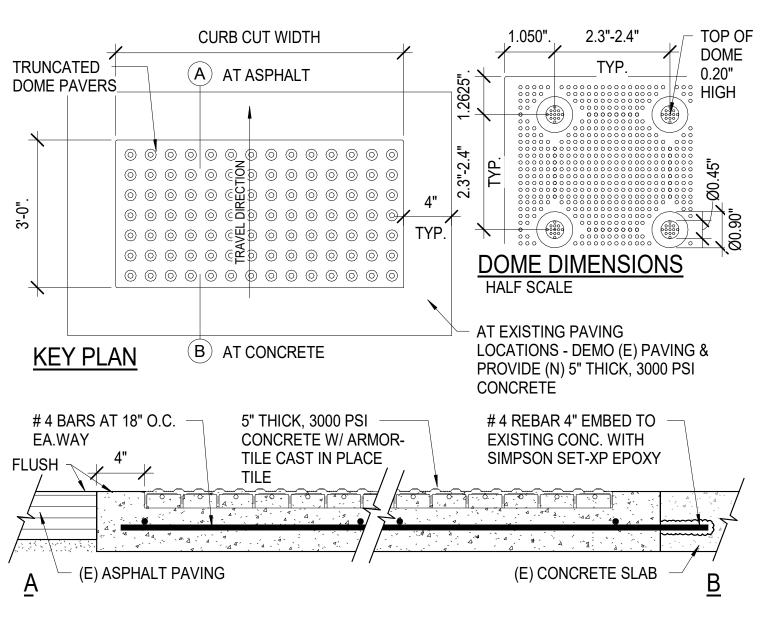
X SIGN NUMBER, SEE SCHEDULE ON AA7.01



ENLARGED CURB RAMP (03-118397)

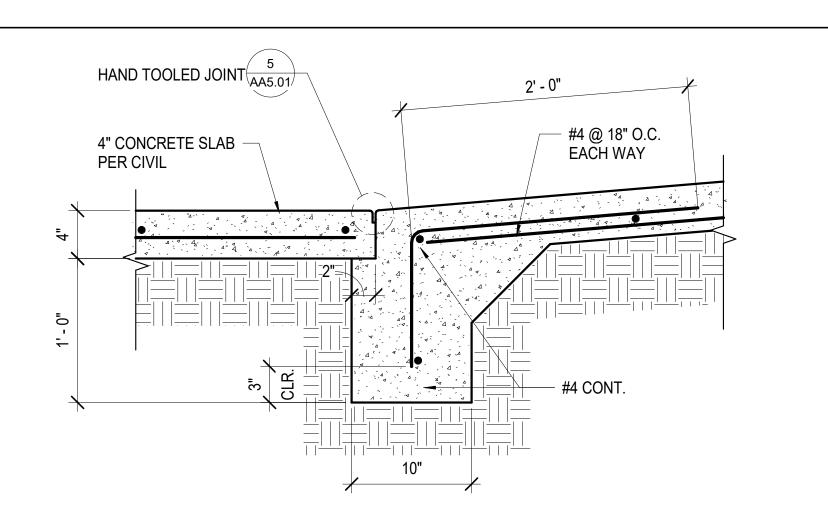


EXIST. CONCRETE WHEEL STOP (03-118397)

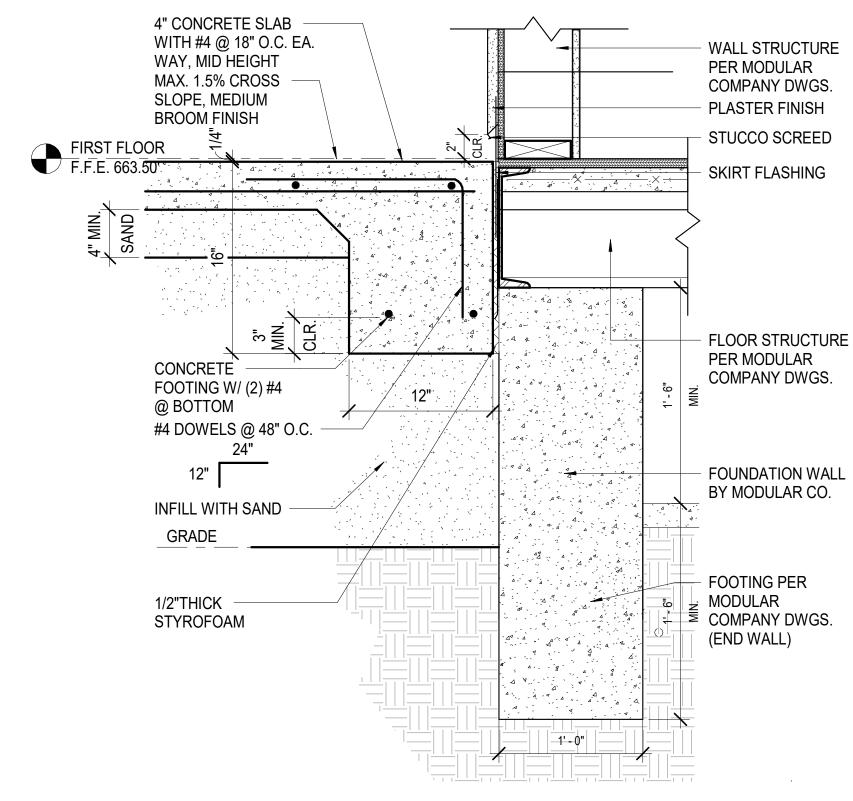


MODEL #: CAST-IN-PLACE BY ADA SOLUTIONS, INC. OR ARMOR TILE PRODUCTS

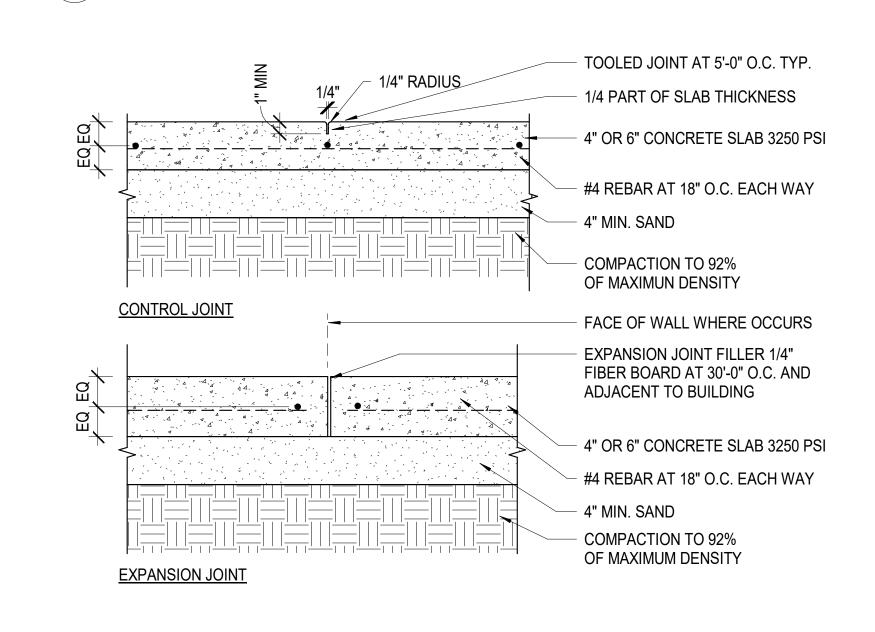
TACTILE WARNING SURFACE TILE



1 SECTION @ RAMP BOTTOM



2 PLATFORM EDGE DETAIL
1 1/2" = 1'-0"



3 CONCRETE JOINTS, TYP.

1 1/2" = 1'-0"

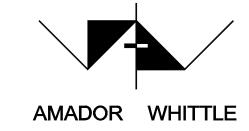
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOMS AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA

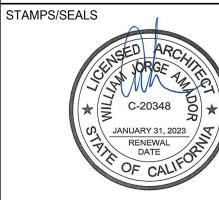
COMMISSIONED ARCHITECT



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

ARCHITECTS, INC.

CONSULTANT



DSA SUBMITTAL

DSA BACKCHECK 5-14-21 4-29-21 FIRE DEPT.

SHEET TITLE:

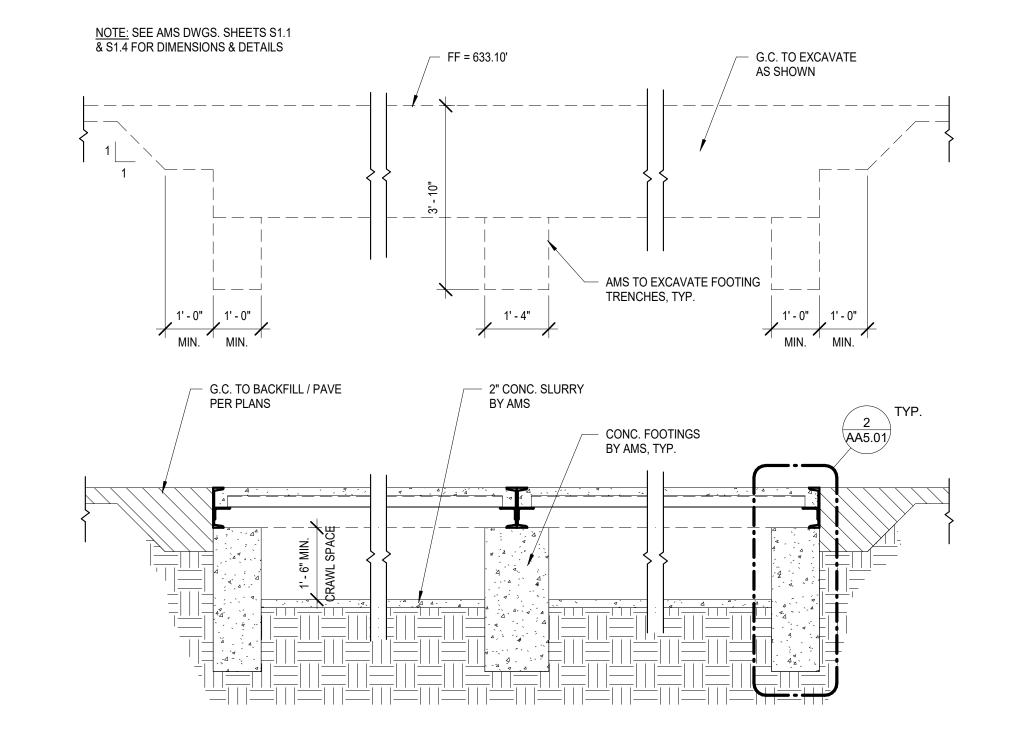
SITE DETAILS

20-MPC-036 PROJECT ARCH:

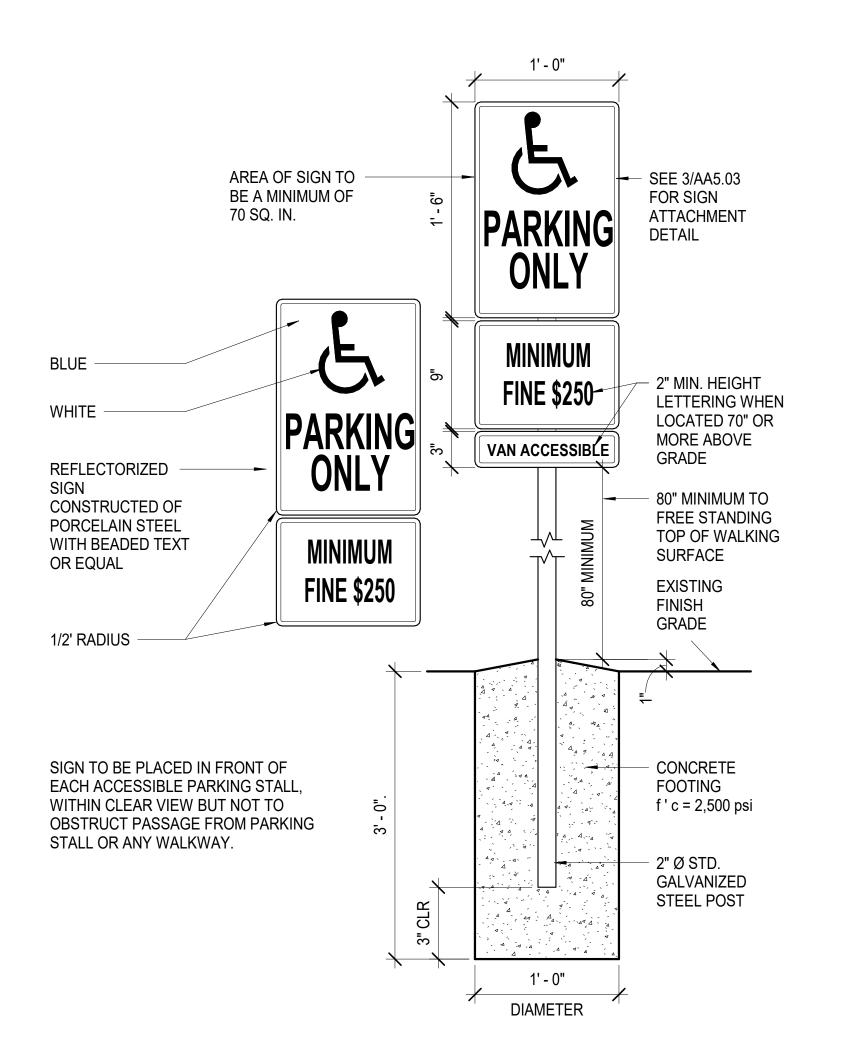
Designer

WJA

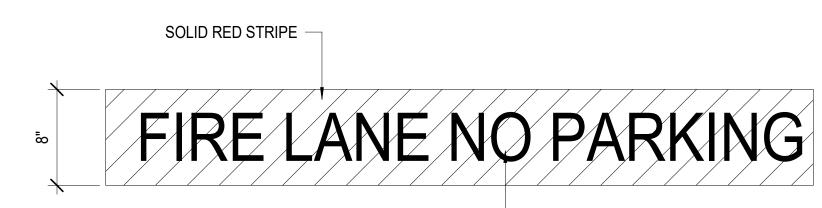
5-14-21







5 ADA PARKING STALL SIGN, (03-118397)



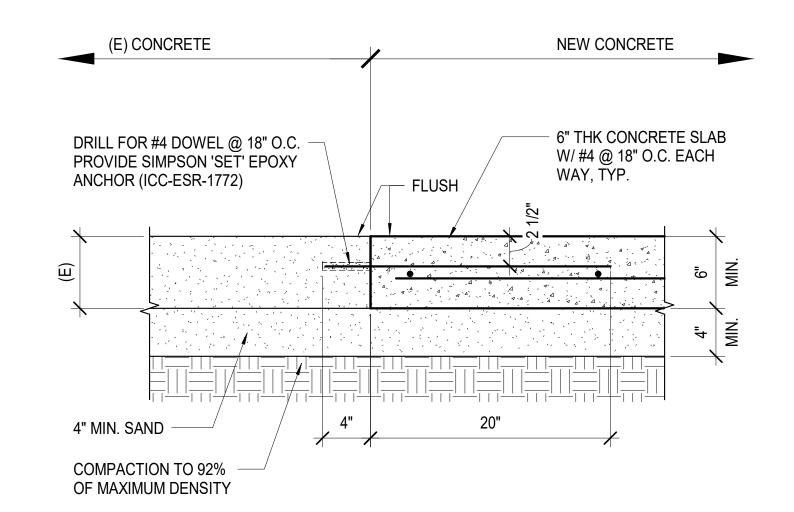
DETAIL

4" HIGH WHITE LETTERING

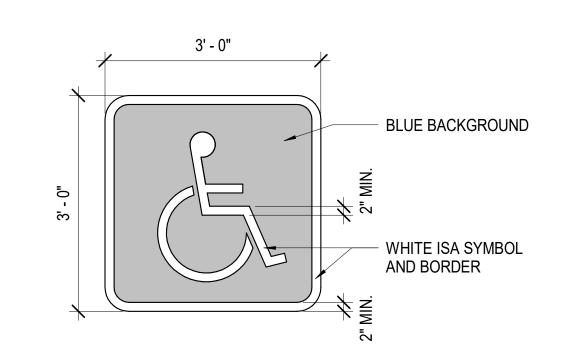
1 EXISTING FIRE LANE NO PARKING (03-118397)

SIGNAGE GENERAL NOTES:

REFER TO GENERAL ACCESSIBILITY NOTES ON SHEET G0.02 FOR ADDITIONAL REQUIREMENTS.



NEW CONCRETE SLAB TO (E) 1 1/2" = 1'-0"



NOTES:
SIGNAGE TO BE PAINTED ON EXISTING PAVEMENT. REPAIR PAVEMENT IF EXISTING CONDITION IS NOT SUITABLE FOR PROPER PAINT APPLICATION.
SYMBOL PROPORTIONS SHALL APPROXIMATE CBC FIGURE

11B-703.7.2.1.

I.S.A. PARKING STALL PAINTED SYMBOL (03-118397)

3/4" = 1'-0"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 03-121484 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOMS AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA 93021

COMMISSIONED ARCHITECT



28328 AGOURA ROAD, SUITE 203

AGOURA HILLS, CA 91301 (805) 530-3938 , (818) 874-0071

CONSULTANT

STAMPS/

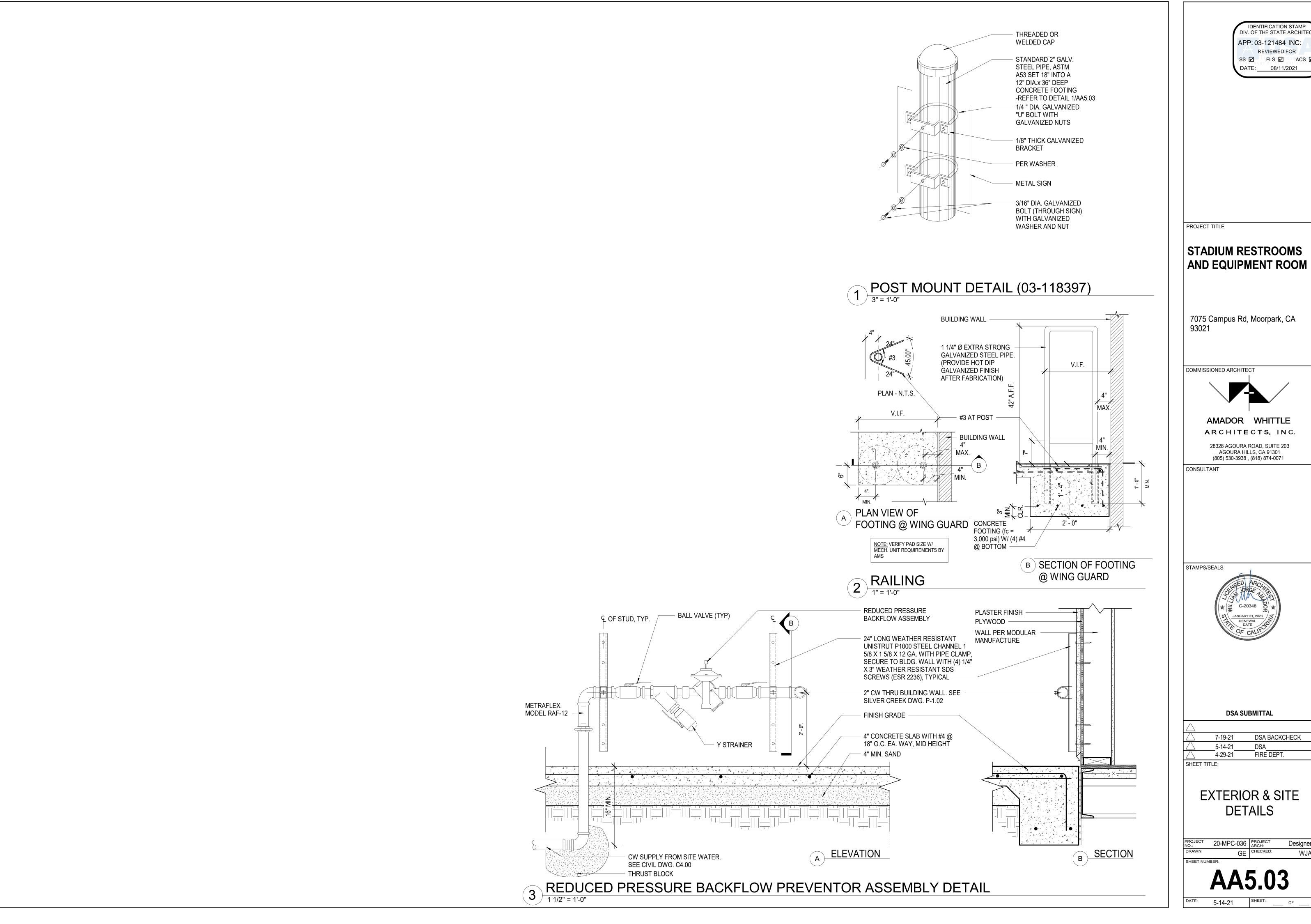


DSA SUBMITTAL

	7-19-21	DSA BACKCHECK_	
	5-14-21_	DSA	
	4-29-21	FIRE DEPT.	
SHFFT	TITI F·		

SITE DETAILS

PROJECT NO.:	20-MPC-036	PROJECT ARCH:	Designer							
DRAWN:	JA	CHECKED:	WJA							
SHEET NU	SHEET NUMBER:									
	AA!		2							
DATE:	5-14-21	SHEET: —	OF							



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/11/2021

STADIUM RESTROOMS

7075 Campus Rd, Moorpark, CA



28328 AGOURA ROAD, SUITE 203 AGOURA HILLS, CA 91301



DSA BACKCHECK DSA_____FIRE DEPT.

EXTERIOR & SITE

20-MPC-036 PROJECT ARCH:

GE CHECKED: Designer WJA **AA5.03**

GENERAL NOTES . GENERAL 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

FINAL RETENTION OF ALL MONIES.

AGENCIES HAVING JURISDICTION. PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE 2019 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

OBTAIN AND PAY FOR ALL NECESSARY CONSTRUCTION PERMITS, INSPECTION FEES, AND OTHER CHARGES BY

MANUFACTURERS RECOMMENDATIONS. 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 FXIST 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.

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

ELECTRICAL EQUIPMENT LOCATIONS INDICATED ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION SHALL BE

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.

SHOWN FOR CIRCUITING ONLY. CONTRACTOR TO VERIFY SIZES & QUANTITIES PRIOR TO BID.

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

GUARANTEE
CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR AND MATERIALS ON ALL WORK AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR.

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. <u>CONTRACTOR BID</u> 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

. 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.)

CONDUIT SHALL BE EMT, PVC, IMC, RIGID OR FLEXIBLE STEEL TYPE. CONDUIT SHALL BE MANUFACTURED II ACCORDANCE WITH UL-1. A GROUND WIRE IS REQUIRED IN ALL FLEXIBLE CONDUIT AND UNDERGROUND CONDUIT. BUSHINGS SHALL BE INSTALLED ON ALL COMMUNICATION, TELEPHONE & SPEAKER 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 FOOT.

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. IN ALL OFFICES AND OFFICE AREAS DEVICES SHALL BE DECORA SERIES TYPE WITH COLOR SELECTION BY CONTRACTOR/OWNERS

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 OUTLETS. USE PLASTIC COATED SELF-STICKING MARKERS SUCH AS THOMAS & BETTS E-Z CODE FOR IDENTIFICATION OF CONDUCTORS.

IDENTIFY SIGNAL & COMMUNICATION CABLES AT TERMINAL AND OUTLET UNIQUELY WITH PERMANENT LABELING.

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.

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

ELECTRICAL CERTIFICATION ELECTRICIANS" PERFORMING WORK ON THIS PROJECT SHALL BE CURRENTLY CERTIFIED IN ACCORDANCE WITH.

SEISMICALLY APPROVED MANNER.

THE STATE OF CALIFORNIA AB931 AND THE DIVISION OF APPRENTISHIP STANDARDS SECTION 3099. 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

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

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, STEMS, HANGERS, AND OTHER

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.

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

2. EQUIPMENT, MATERIALS AND SUPPLIES REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF

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, 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

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.

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.

FURNISH AND INSTALL COMPLETE BONDING AND GROUNDING SYSTEM AS REQUIRED BY CODES. CONTINUITY OF GROUNDING SHALL BE MAINTAINED MECHANICALLY AND FLECTRICALLY THROUGHOUT THE SYSTEM. A GREEN GROUNDING CODE SIZED CONDUCTOR SHALL BE CARRIED IN ALL CONDUITS

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 REING IN THIS CONTRACT. TOWARD THIS END FURNISH ALL LABOR AND TOOLS NECESSARY AND FURNISH AND INSTALL ALL APPARATUS. MATERIALS AND FOULPMENT 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

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

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. 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

8. 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.

9. 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 SEPARATED BY AT LEAST THREE (3) INCHES FROM WATER LINES WHENEVER THEY RUN LONG SIDE OR ACROSS SUCH LINES. CONDÙIT 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.

10. ALL WALL SWITCHES AND RECEPTACLES SHALL BE MOUNTED BETWEEN 18" AND 48" PER ADA REQUIREMENTS UNLESS NOTED OTHERWISE.

11. 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.

12. 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.

MEP COMPONENT ANCHORAGE NOTE

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

RECEPTACLES HAVING A FLEXIBLE CABLE.

BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

HANGER AND BRACE LOADS.

DISTRIBUTION SYSTEMS (E)

NOTES AND DETAILS

APPROVAL (OPM#)

SIDE III ADII OVOTEII	CLIEFT			
FIRE ALARM SYSTEM 1. CONTRACTOR SHALL PROVIDE AND INSTALL A FIRE ALARM SYSTEM FOR THE	SHEET			
PROJECT AREA TO INCLUDE:	EE100			
A) SMOKE AND CARBON MONOXIDE DETECTORS IN ALL REQUIRED AREAS	EE110			
B) HEAT DETECTORS IN ALL REQUIRED AREAS C) STROBES/SPEAKERS IN ALL REQUIRED AREAS				
E) PULL STATIONS AT ALL LEGAL FIRE EXITS	EE200			
	EE400			
2. CONTRACTOR SHALL SUBMIT FOR THE OWNERS SIGNED APPROVAL, APPROVED FIRE	EE600			

DEPARTMENT FIRE ALARM DRAWINGS FOR THE PROJECT SPACE.

3. CONTRACTOR SHALL BE SITE STANDARD, EDWARDS

THERMOSTAT

<u>L</u>2LA 1−3−5, 7

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL

BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE

2. TEMPORARY OR MOVEABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO

ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT

CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT

DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED

THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY

3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET

STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE.

THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN

OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE

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

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL

ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH

THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13. 6. 5, 13. 6. 6, 13. 6. 7, 13. 6. 8; AND 2019 CBC, SECTIONS 1617A. 1. 24, 1617A. 1. 25 AND 1617A. 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

THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL

MP□ MD□ PP□ E⊠ OPTION 1 DETAILED ON APPROVED DRAWINGS WITH PROJECT SPECIFIC

MP□ MD□ PP□ E□ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSPHD PRE-

PRE-APPROVED INSTALLATION GUIDE (E.G. OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE

BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO

STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE

VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

2019 CBC SECTIONS 1617A. 1. 18 THROUGH 1617A. 1. 26 AND ASCE 7-16 CHAPTER 13, 26, AND 30.

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

MOTOR RATED SWITCH

4. ALL DEVICES AND EQUIPMENT SHALL BE 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.

CONTRACTOR SHALL PROVIDE AN ADDRESSABLE SUPERVISED SYSTEM WITH BATTERY BACK-UP FOR 24 HOURS OF MONITORING INITIATING CIRCUITS PLUS 15 MINUTES OF ALARM WITH DUAL RATE BATTERY CHARGER.

8. CONTRACTOR SHALL PROVIDE A SATISFACTORY SYSTEM TEST IN THE PRESENCE OF THE OWNER, FIRE PREVENTION BUREAU AND CONSULTING ENGINEER.

SYMBOLS

BRANCH CIRCUIT PANELBOARD - 120/208VAC, 3ø, 4W.

FIRE RESISTANT PAINT, PER OWNERS REPRESENTATIVE.

CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS,

--- CONDUIT RUN CONCEALED BELOW FLOOR OR UNDERGROUND

—— HASH MARKS INDICATE QUANTITY OF #12 CONDUCTORS.

(PROVIDE GROUND CONDUCTOR IN ALL CONDUITS.)

ARE #12AWG(MIN.) CONDUIT SIZE IS AS REQUIRED BY ELECTRICAL CODE. (3/4" CONDUIT MINIMUM).

INDICATES A HOMERUN TO PNL 2LA, CKTS 1-3-5

WITH SHARED NEUTRAL & CKT 7 WITH DEDICATED NEUTRAL

WHERE NO NUMBER IS INDICATED. THE CONDUCTORS

SEE KEY NOTE #1 AS INDICATED ON DRAWING

SWITCH WITH PILOT LIGHT @ 42"AFF

CIRCUIT SWITCH LEGS

100A UTILITY METER (OR AS NOTED)

MOLDED CASE CIRCUIT BREAKER

JP FUSED DISCONNECT SWITCH 100AS 60AF 100AMP SWITCH RATING WITH 60 AMP FUSES, 3 POLE

200 AMP FRAME, 150 AMP TRIP RATING, 3 POLE

CONDUIT IN ALL EXPOSED AREAS)

CONDUIT STUB UP, CAP AND IDENTIFY

NO HASH MARKS INDICATE (2)#12AWG."

DUPLEX RECEPTACLE, WALL MOUNTED @ +18" AFF, NEMA 5-20R U. O. N.

DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, WALL MOUNTED @ +18"AFF

JUNCTION BOX (CEILING MTD.) SIZE PER TABLE AND NEC ARTICLE 370

4'X8'X3/4" TELEPHONE BACKBOARD, MARINE PLYWOOD AND PAINTED WITH

FLEXIBLE CONDUIT (WITH GROUND CONDUCTOR, PROVIDE LIQUID TIGHT

3-WAY SWITCH, a & b INDICATES LIGHT FIXTURE TO BE SWITCHED (EACH A 3-WAY) MOUNTED @ 42" AFF 1" CONDUIT MINIMUM IF UNDERGROUND

DISCONNECT SWITCH, 60AMP SWITCH, 35 AMP FUSE, 3 POLE W/ OVERCURRENT

HAVE COMMON CIRCUIT HANDLE TIES ON

BREAKERS FEEDING THE CIRCUITS)

SWITCH MOUNTED @ +42" AFF (CONTRACTOR TO PROVIDE DEDICATED

JUNCTION BOX (WALL MTD.) SIZE PER TABLE AND NEC ARTICLE 370

9. CONTRACTOR SHALL PROVIDE ALL CONNECTION TO POWER PANELS, CONDUIT AND WIRE AND CONNECTIONS REQUIRED TO PROVIDE AN OPERATIONAL FIRE ALARM SYSTEM.

COLOR CODE FOR CONDUCTORS

FA1. 02

FA1. 03

PROVIDE CONDUCTOR COLOR CODE AS FOLLOWS: 120/208V, 3ø, 4W: BLUE, BLACK, RED FOR PHASE CONDUCTORS AND WHITE FOR NEUTRAL, GREEN FOR GROUND. 277/480V, 3ø, 4W: ORANGE, BROWN, YELLOW FOR PHASE CONDUCTORS AND WHITE FOR NEUTRAL, GREEN FOR GROUND

DESCRIPTION

SITE PLAN ELECTRICAL NEW WORK

POWER AND COMMUNICATIONS PLAN

ELECTRICAL DETAILS

FIRE ALARM PLAN

SITE PLAN FLECTRICAL - EXISTING CONDITION

FIRE ALARM GENERAL NOTES AND DEVICES LEGEND

FIRE ALARM DETAILS AND BATTERY CALCULATIONS

GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST

ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULES

SEE MODULAR PLANS BY OTHERS FOR ADDITIONAL ELECTRICAL INFORMATION. APPLICABLE CODES AND STANDARDS

DESCRIPTION

APPLICABLE CODES (WITH LOCAL AUTHORITY HAVING JURISDICTION AMENDMENTS) 2019 CALIFORNIA BUILDING CODE 2019 CALIFORNIA BUILDING CODE 2019 CALIFORNIA MECHANICAL CODE ELECTRICAL: 2019 CALIFORNIA ELECTRICAL CODE 2019 CALIFORNIA PLUMBING CODE FIRE / LIFE SAFETY: 2019 CALIFORNIA FIRE CODE (WITH LOCAL AMENDMENTS) 2019 STATE OF CALIFORNIA ENERGY CODE

2019 STATE OF CALIFORNIA TITLE 24 ACCESSIBILITY STANDARDS SITE DATA PER BUILDING AND LOCAL ZONING CODE UNLESS OTHERWISE NOTED

2019 STATE OF CALIFORNIA GREEN BUILDING CODE

ABBREVIATIONS

LIST OF DRAWINGS

SCOPE OF WORK

PROVIDE F.A. DESIGN FOR NEW MODULAR. POWER & LIGHTING ARE PROVIDED BY MODULAR MANUFACTURER.

PROVIDE NEW SITE POWER, LIGHTING & LOW VOLTAGE FOR STADIUM RESTROOMS AND CONCESSION STRUCTURE.

STRUCTURE

MECHANICAL

PLUMBING

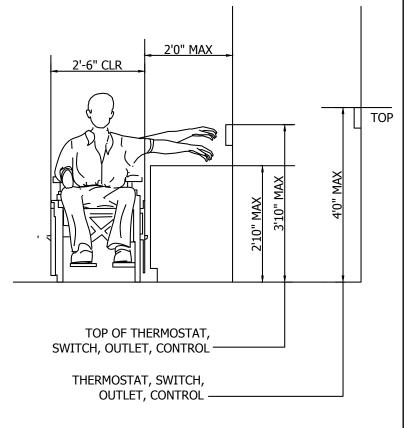
ENERGY:

		, , , ,	、	,				
AMPERES AMP FRAME/AMP FUSE	(CU) CW	COPPER COLD WATER PIPE	IDF	INTERMEDIATE DISTRIBUTION FRAME	(N) NIC	NEW NOT IN CONTRACT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
AVAILABLE FAULT CURRENT	DIS	DISCONNECT	IG	ISOLATED GROUND	NL	NIGHT LIGHT	TYP	TYPICAL
ABOVE FINISHED FLOOR	DS	DISCONNECT SWITCH	JB	JUNCTION BOX	NO	NORMALLY OPEN	UG	UNDERGROUND
AMP INTERRUPTING CURRENT	DWG	DRAWING	K	KILO	NC	NORMALLY CLOSED	UL	UNDERWRITERS LABORATORY
ARCHITECT	ECD	ELECTRICAL CONTRACTOR	KVA	KILO VOLT AMPS=1000VA	OH	OVERHEAD	UON	UNLESS OTHERWISE NOTED
AMP SWITCH	EM	EMERGENCY LIGHT/FEEDER	LC	LIGHTING CONTACTOR	P	POWER OR POLE	UNSW	UNSWITCHED
AMERICAN SOCIETY OF	EMT	ELECTRICAL METAL TUBING	LCL	LONG CONTINUOUS LOAD	PBO	PROVIDED BY OTHERS	V	VOLTS/VOLTAGE
TESTING MATERIAL(S)	EOR	ENGINEER OF RECORD	LV	LOW VOLTAGE	PNL	PANEL	VA	VOLT AMPS
AMP TRIP	EPR	ETHYLENE PROPYLENE RUBBER	M	METER	PV	PHOTO VOLTAIC	VD	VOLTAGE DROP
AUTOMATIC TRANSFER SWITCH	EVCS	ELECTRIC VEHICLE CHARGING	MC	METAL CLAD	(R)	REMOVED	W	WATTS/WATTAGE
AMERICAN WIRE GAGE		STATION	MDF	MAIN DISTRIBUTION FRAME	RGS	RIGID GALVANIZED STEEL		OR WIRE
BACKBOARD	(F)	FRONT	MIN.	MINIMUM		CONDUIT	WP	WEATHERPROOF
CONDUIT OR CEILING	FS	SHALLOW FLOOR BOX	MTD	MOUNTED	RM	ROOM	W/	WITH
CIRCUIT BREAKER	FT	FEET	MTB	MAIN TELEPHONE BACKBOARD	SN	SYSTEM NEUTRAL	(X)	EXISTING
CONTINUATION	GC	GENERAL CONTRACTOR	MTG	MOUNTING	SPD	SURGE PROTECTION DEVICE	φ	PHASE
CIRCUIT	GFI	GROUND FAULT INTERRUPTER	MV	MEDIUM VOLTAGE	TC	TIME CLOCKS		
CEILING	GND	GROUND	MH	MAN HOLE	TTB	TELEPHONE TERMINAL BOARD		
CONDUIT ONLY	HP	HORSEPOWER	MFG	MANUFACTURER	TTC	TELEPHONE TERMINAL CABINET		
CABLE TELEVISION	ID	IDENTIFICATION	NEC	NATIONAL ELECTRICAL CODE	TR	TRANSFORMER		

JUNCTION BOX FILL

JUNCTION BOX DIMENSION, INCHES	MIN. CU. IN.		MUM NUI	MBER OF	CONDU	CTORS	\cap V
TRADE SIZE OR TYPE	CAP.	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	2'-6
4 x1-1/2 SQUARE	21. 0	10	9	8	7	4	- 2-0
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	1 '41H) <i>k</i>
4 x2-1/8 x1-7/8 DEVICE	13. 0	6	5	5	4	2	
4 x2-1/8 x2-1/8 DEVICE 3-3/4 x2 x2-1/2 MASONRY	14. 5	7	6	5	4	2	
BOX / GANG	14. 0	7	6	5	4	2	
3-3/4 ×2 ×3-1/2 MASONRY BOX / GANG	21. 0	10	9	8	7	4	Т
FS - MINIMUM INTERNAL DEPTH 1-3/4 SINGLE COVER / GANG	13. 5	6	6	5	4	2	SWITCH
FD - MINIMUM INTERNAL DEPTH 2-3/8 SINGLE COVER / GANG	18. 0	9	8	7	6	3	THE
FS - MINIMUM INTERNAL DEPTH 1-3/4 MULTIPLE COVER / GANG	18. 0	9	8	7	6	3	
FD - MINIMUM INTERNAL DEPTH 2-3/8 MULTIPLE COVER / GANG	24. 0	12	10	9	8	4	

MOUNTING HEIGHT /ER OBSTRUCTION



DERATING TABLE

NEC #310-8 ADJUSTMENT FACTORS (a) MORE THAN THREE CURRENT-CARRYING CONDUCTORS IN A RACEWAY OR CABLE. WHERE THE NUMBER OF CURRENT-CARRYING CONDUCTORS IN A RACEWAY OR CABLE EXCEEDS THREE, THE ALLOWABLE AMPACITIES SHALL BE REDUCED AS SHOWN IN THE FOLLOWING TABLE: PERCENT OF VALUES IN TABLES AS ADJUSTED NUMBER OF CURRENT-CARRYING CONDUCTORS

7 THROUGH 9 10 THROUGH 20 21 THROUGH 30 31 THROUGH 40

WHERE SINGLE CONDUCTORS OR MULTICONDUCTOR CABLES ARE STACKED OR BUNDLED LONGER THAN 24 INCHES (610 mm) WITHOUT MAINTAINING SPACING AND ARE NOT INSTALLED IN RACEWAYS, THE ALLOWABLE AMPACITY OF EACH CONDUCTOR SHALL BE REDUCED AS SHOWN IN THE ABOVE TABLE.

EXCEPTION NO. 1: WHERE CONDUCTORS OF DIFFERENT SYSTEMS, AS PROVIDED IN SECTION 300-3, ARE INSTALLED IN A COMMON RACEWAY OR CABLE, THE DERATING FACTORS SHOWN ABOVE SHALL APPLY TO THE NUMBER OF POWER AND LIGHTING (ARTICLES 210, 215, 220, AND 230) CONDUCTORS ONLY. EXCEPTION NO. 2: FOR CONDUCTORS INSTALLED IN CABLE TRAYS, THE PROVISIONS OF SECTION 318-11

EXCEPTION NO. 3: DERATING FACTORS SHALL NOT APPLY TO CONDUCTORS IN NIPPLES HAVING A LENGTH NOT EXCEEDING 24 INCHES (610mm).

EXCEPTION NO. 4: DERATING FACTORS SHALL NOT APPLY TO UNDERGROUND CONDUCTORS ENTERING OR LEAVING AN OUTDOOR TRENCH IF THOSE CONDUCTORS HAVE PHYSICAL PROTECTION IN THE FORM OF RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, OR RIGID NONMETALLIC CONDUIT HAVING A LENGTH NOT EXCEEDING 10 FEET (3.05m) ABOVE GRADE AND THE NUMBER OF CONDUCTORS DOES NOT EXCEED FOUR. EXCEPTION NO. 5: FOR OTHER LOADING CONDITIONS, ADJUSTMENT FACTORS AND AMPACITIES SHALL BE PERMITTED TO BE CALCULATED UNDER SECTION 310-15(b)

(FNC): SEE APPENDIX B, TABLE B-310-11 FOR ADJUSTMENT FACTORS FOR MORE THAN THREE CURRENT-CARRYING CONDUCTORS IN A RACEWAY OR CABLE WITH LOAD DIVERSITY. (b) MORE THAN ONE CONDUIT, TUBE, OR RACEWAY. SPACING BETWEEN CONDUITS, TUBING, OR RACEWAYS

SITE MAP



PROJECT AREA



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: __ 08/11/2021

PROJECT TITLE

STADIUM RESTROOM AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA

COMMISSIONED ARCHITECT



ARCHITECTS, INC. 28328 AGOURA ROAD, SUITE 203 AGOURA HILLS, CA 91301

CONSULTANT 4*4551 & 1334511143733 1315*1

(805) 530-3938, (818) 874-0071

CONSULTING ELECTRICAL ENGINEERS 3251 CORTE MALPASO, #511

CAMARILLO, CA 93012-8094

STAMPS/SEALS

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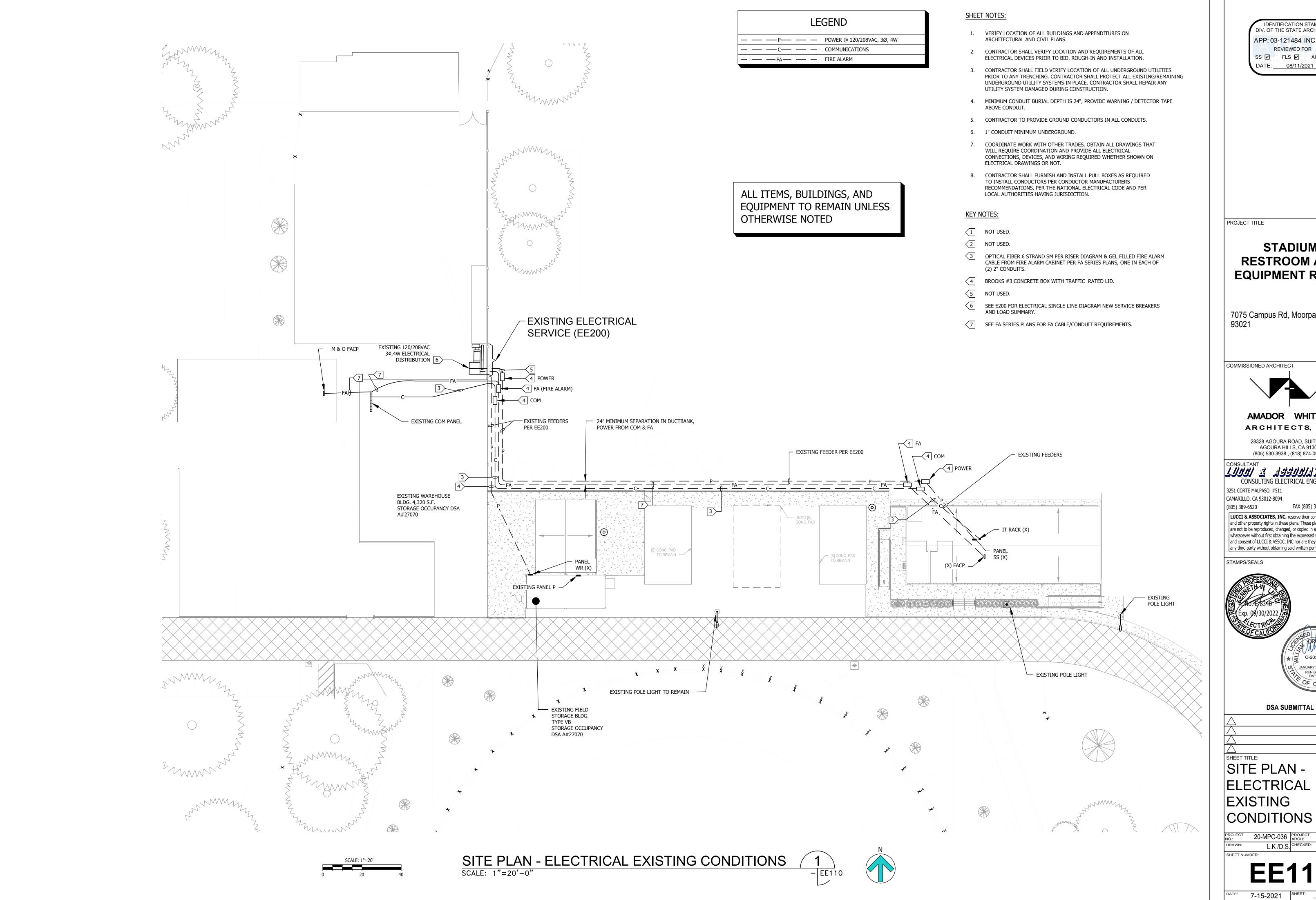
GENERAL NOTES, **ABBREVIATIONS** SYMBOLS AND DRAWING LIST

20-MPC-036 PROJECT L.K /D.S. CHECKED:

Designer

Copyright Lucci and Associates Consulting Electrical Engineers. Deviations from this drawing will not be made without their expressed written permission. L,A,I,# 20-179 PAPER SIZE 36"x24"

ACCESSORIES.



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STADIUM RESTROOM AND EQUIPMENT ROOM

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CONSULTANT LUCCI A STATE STAT

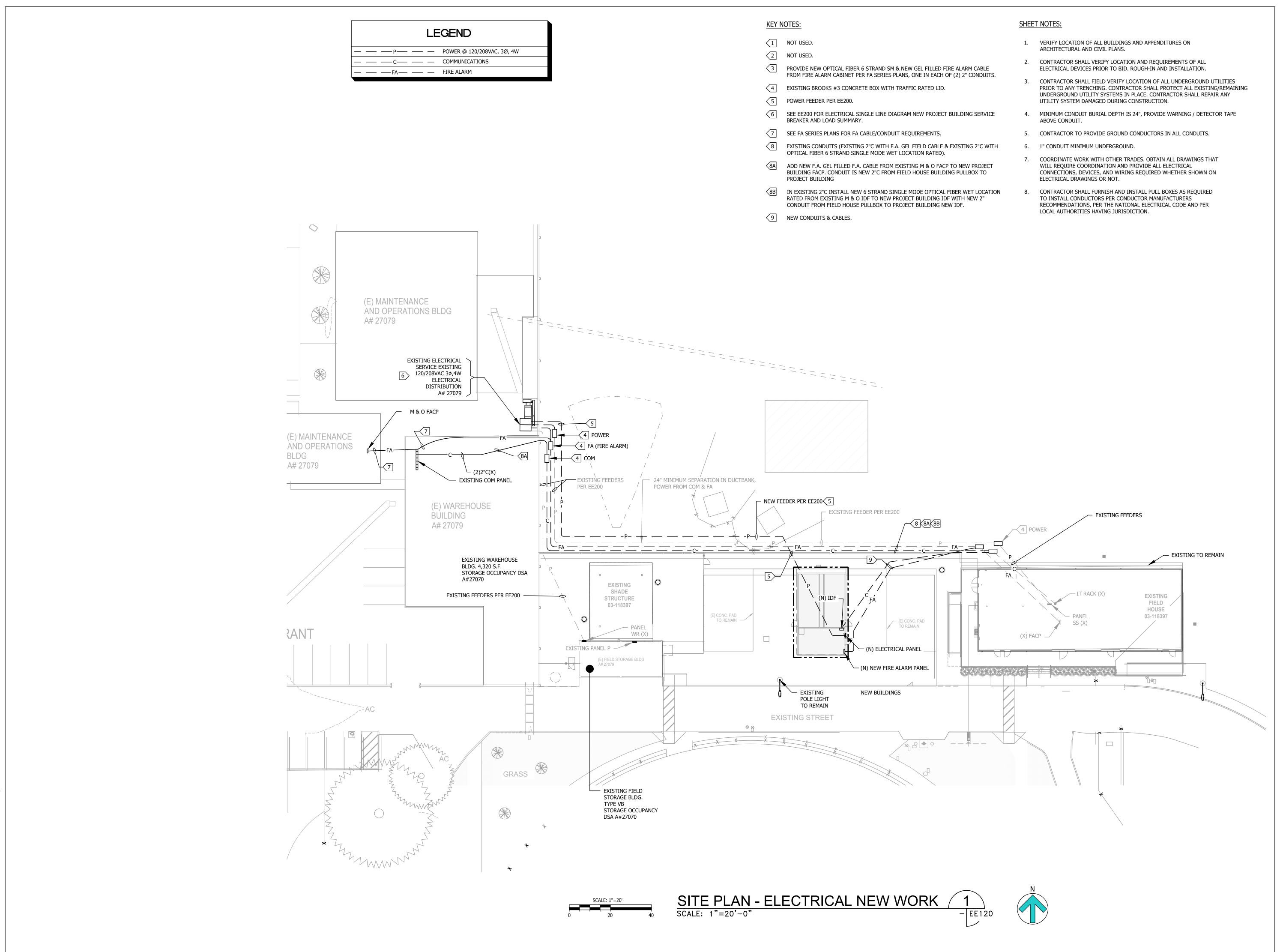
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SITE PLAN -ELECTRICAL

20-MPC-036 PROJECT ARCH: Designer L.K /D.S. CHECKED:



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SITE PLAN -ELECTRICAL NEW WORK

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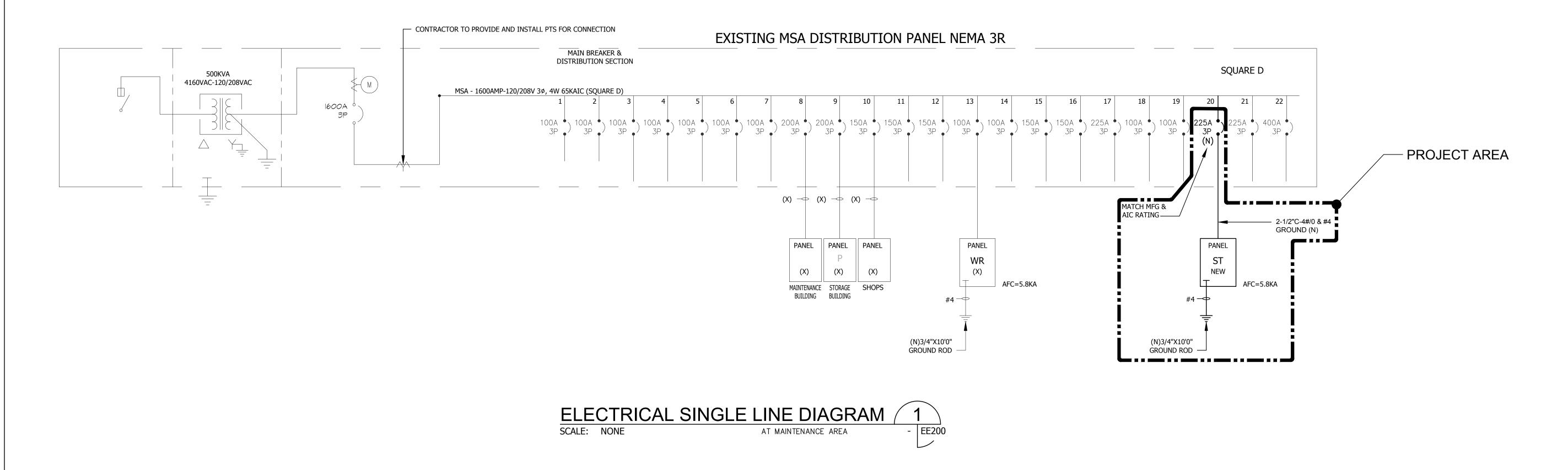
NEW PANEL PROVIDED BY MODULAR MANUFACTURER VOLTAGE 120/208 PHASE 3 WIRE 4 PANEL NUMBER ■ MAIN CIRCUIT BREAKER 225 SOURCE MSA A.I.C. <u>10,000</u> PANEL LOCATION PER E401 225 BUS AMPERE RATING ■ FLUSH MOUNTING
 BRKR
 LOAD(VA)

 AMP
 POLE
 A
 B
 BRKR LOAD(VA) CIRCUIT DESCRIPTION POLE AMP CK а в с FIRE ALARM PANEL LIGHTING 200 540 RECEPTACLE SPARE 100 FIRE ALARM AUDIO PANEL 640 1080 640 TOTALS 200 200 PHASE C L.C.L. VOLT AMPS: PHASE A PHASE B PHASE B 1280 PHASE C 640 TOTAL VOLT AMPS: 2760 PHASE A 840 PHASE B 10.7 PHASE C 5.3 TOTAL AMPS: 7.7 PHASE A 7 1 LOCK ON DEVICE (RED CIRCUIT BREAKER)

PER NEC (CEC) ARTICLE 220

EXISTING RECORDED MAX (PEAK) LOAD IS 183KVA (508A @ 120/208VAC). 125% X 183KVA + NEW LOAD (108KVA) = (229+108)KVA = 337KVA OR936A @ 120/208VAC

ELECTRICAL ENGINEER OF RECORD CONFIRMS THAT THE AVAILABLE ELECTRICAL CAPACITY IS ADEQUATE



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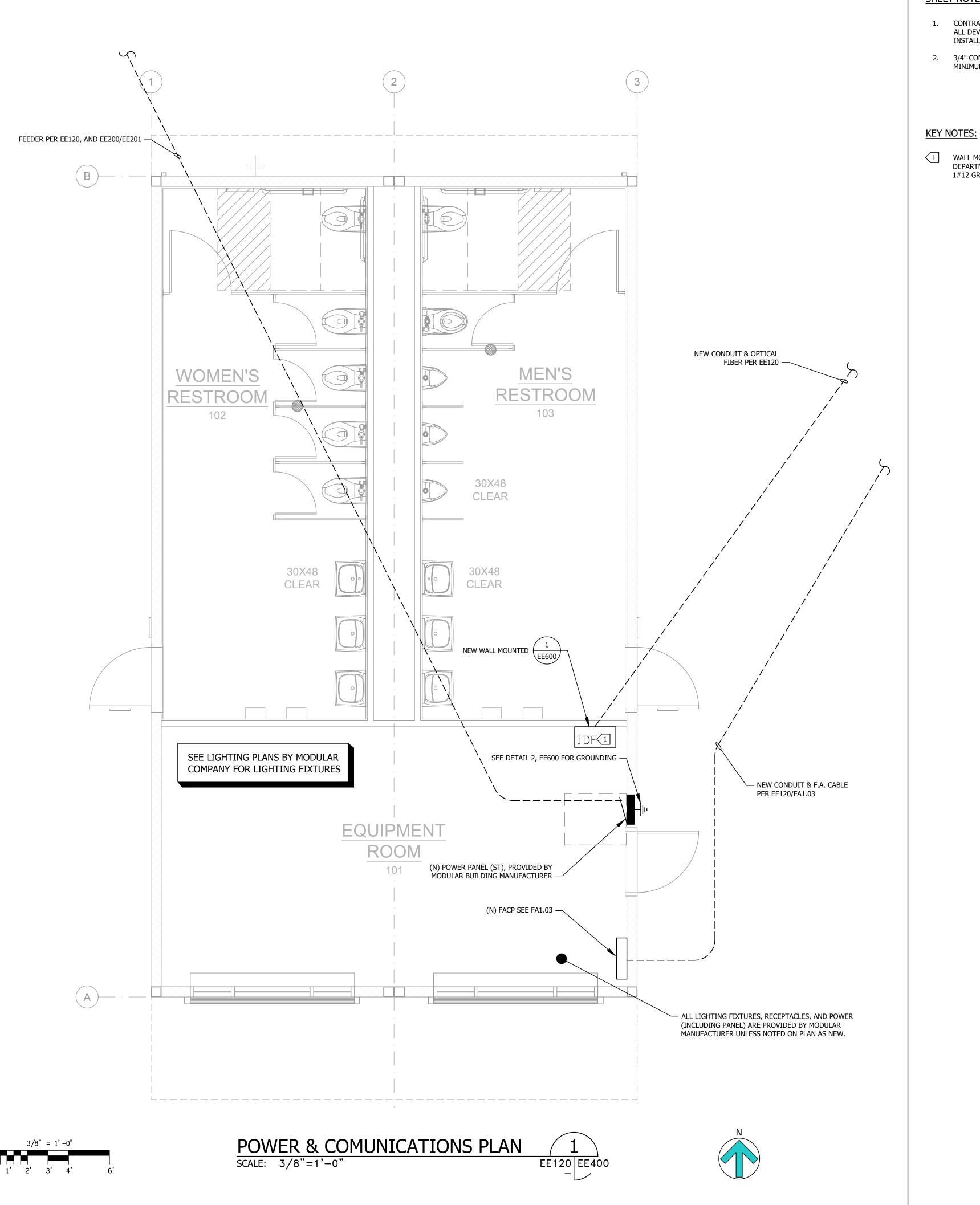
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ELECTRICAL

SINGLE LINE DIAGRAM

20-MPC-036 PROJECT ARCH: L.K /D.S. CHECKED:



SHEET NOTES:

- 1. CONTRACTOR SHALL VERIFY LOCATION AND REQUIREMENTS OF ALL DEVICES PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH INSTALLATION.
- 2. 3/4" CONDUIT MINIMUM UNLESS OTHERWISE NOTED, 1"C MINIMUM UNDERGROUND.

WALL MOUNTED IDF RACK PER MOORPARK COLLEGE IT DEPARTMENT REQUIREMENTS. PROVIDE NEW 3/4"C - 2#12 AND 1#12 GROUND TO NEW PANEL 'ST' FROM IDF.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: REVIEWED FOR SS FLS ACS

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POWER AND COMMUNICATIONS PLAN

20-MPC-036 PROJECT ARCH:

L.K /D.S. CHECKED: Designer

7-15-2021 SHEET: ____ OF ___

- 1. Size of conductors shall comply with CEC, Table 250.66.
- Bond separate conductors from ground rod to electrical panel and to metal building frame.
 In addition to the detail shown above, bond the electrical ground to metal underground water pipe in direct contact with the earth for 10 ft, or more, if available. (CEC, § 250.52)
- 3. All modules of metal frame buildings shall be electrically bonded together. (Bolting only is not acceptable bonding.)
- 4. Check resistance to ground. If resistance exceeds 25 ohms, install additional ground rod six feet or greater away. Once the second ground rod is installed, additional ground resistance testing is not required. (CEC, § 250.53[A]&[B])
- 5. Where modular buildings are grouped together, a ground rod may be installed at the end buildings and a ground ring may be installed between them. Each intermediate modular building may be grounded to that ground ring. Where this method is used, ground resistance testing shall not be required. (CEC, § 250.52[A][4])
- 6. Where modular buildings are installed on concrete foundations, a concrete-encased electrode (Ufer) ground shall be installed in the footing per CEC Section 250.52(A)(3).
- 7. Other grounding methods identified in CEC Article 250 shall be acceptable means to achieve adequate grounding of metal buildings in compliance with the above.

All metal building components must be electrically bonded together, and each building must be independently grounded. Multiple buildings are not to be grounded through the electrical system. All grounding systems are to be tested with a low-resistance ohmmeter, or in an otherwise acceptable manner. Refer to CEC Section 250.52 for specific grounding

Grounding tests are to be observed and reported by the Project Inspector in their semi-monthly

ground conductor. requirements. report (form DSA 155). Tee conduit for separate conductor ground to metal Terminate ground conductor bonded to metal building at metal building frame using frame. a listed and approved means as specified in CEC 250.8. - Bond ends of metallic conduit (CEC, Section 250.64[E]). Terminate to ground rod or other electrode using a listed and approved means as specified in CEC 250.70. Ground rod box.

GROUNDING OF MODULAR BUILDINGS SCALE: NONE

3/4" DIAMETER X 10'0" LONG COPPERCLAD

GROUND ROD OR OTHER ELECTRODE AS SPECIFIED IN CEC SECTION 250.52

Rigid conduit with ground conductor attached to wall

with 2-hole straps.

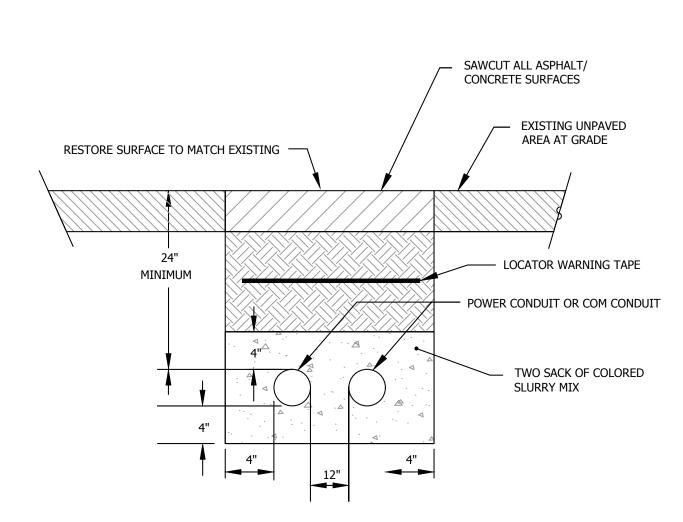
Electrical Panel.

Panel bonded to

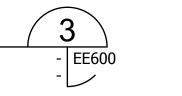
- EE600

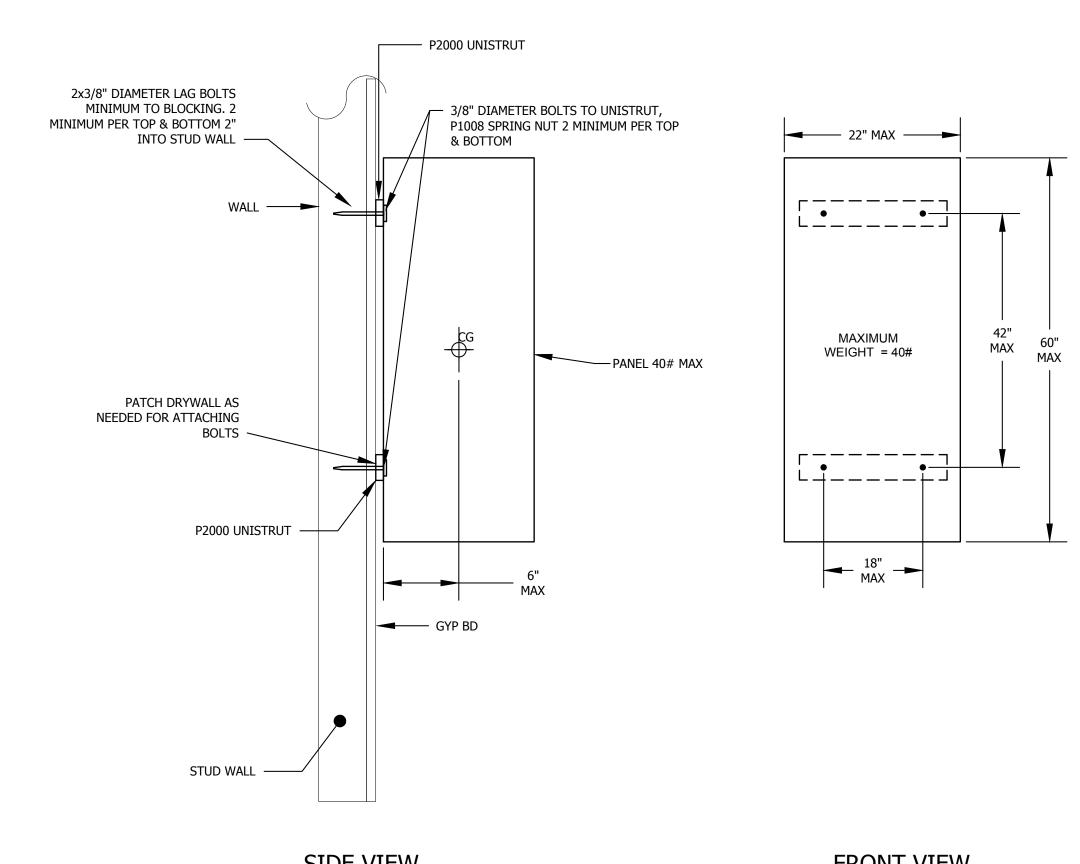
DETAIL NOTES:

- 1. ALL CONDUITS TO BE PROVIDED WITH LABELED METERED 3/16 PULLSTRINGS THEIR ENTIRE LENGTH.
- 2. ALL CONDUITS BENDS SHALL BE FACTORY BENDS WITH MINIMUM 12 TIMES DIAMETER BEND RADIUS.
- 3. ALL FEEDERS TO BE PER ELECTRICAL SINGLE LINE.



DUCTBANK SECTION





SIDE VIEW

FRONT VIEW

PANELBOARD, FIRE ALARM OR IDF PANEL ANCHORAGE WOODEN WALL - SURFACE SCALE: NONE

- EE600

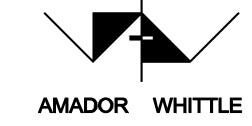
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PROJECT TITLE

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7075 Campus Rd, Moorpark, CA

COMMISSIONED ARCHITECT



ARCHITECTS, INC.

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STAMPS/SEALS



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ELECTRICAL DETAILS

20-MPC-036 PROJECT ARCH: L.K /D.S. CHECKED:

DEVIC	E LE	GEND	ALL DI	EVICES ARE NEW		
SYMBOL	QTY.	MODEL	MAKE	DESCRIPTION	CSFM #	MOUNTING
		EST3	EST	-NEW MAIN FIRE ALARM CONTROL PANEL	7165-1657:0186	-WALLBOX PROVIDED
	1	3-CAB14B	EST	-ENCLOSURE	7165-1657:0186	-MOUNTS TO WALL
	1	3-CAB14D	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-DACT-E3	EST	-DIGITAL ALARM COMMUNICATOR	7165-1657:0186	-MOUNTS ON RAIL
	1	3-SSDC1	EST	-SINGLE SIGNATURE DRIVER CONTROLLER	7165-1657:0186	
	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 10/1 MANUFACTURER DATE STAMP
	1	3-ASU/4	EST	-AUDIO SOURCE UNIT	7165-1657:0186	-MOUNTS ON RAIL
1 3-ZA20B		EST	-20 WATTS ZONE AMPLIFIER		-MOUNTS ON RAIL	
	1	3-INI-VG	EST	-VOICE GATEWAY		-MOUNTS ON RAIL
	1	3-INCC-C	EST	-VOICE EVAC COMMAND CENTER	7165-1657:0186	-MOUNTS ON RAIL
	2	G4HFWF-S7VMC	EST	-SPEAKER/STROBE 15 CANDELA (W=WALL C=CEILING)	7320-1657:0211	-4"SQUARE BOX WITH SINGLE GANG RING
CD CD	1	G4HFWF-S7VMC	EST	-SPEAKER/STROBE 30 CANDELA (W=WALL C=CEILING)	7320-1657:0211	
	2	G4HFWF-S7VMC	EST	-SPEAKER/STROBE 75 CANDELA (W=WALL C=CEILING)	7320-1657:0211	-4"SQUARE BOX WITH SINGLE GANG RING
CD	2	G1-FVM	EST	-STROBE 15 CANDELA (W=WALL C=CEILING)	7125-1657:0218	-4"SQUARE BOX WITH SINGLE GANG RING
	1	G1-FVM	EST	-STROBE 30 CANDELA (W=WALL C=CEILING)	7125-1657:0218	-4"SQUARE BOX WITH SINGLE GANG RING
	5	WG4WF-SVMC	EST	-STROBE/SPEAKER - WP = WEATHER PROOF	7320-1567:0289	WG4 (74347U) - 4" SQ BOX
	1	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 ACKNOWLEDGE)
	13	SIGA-PD	EST	-SMOKE DETECTOR	7272-1657-0331	-MOUNTS TO SIGA-SB BASE
®	13	SIGA-SB	EST	-BASE		-4" SQ. BOX WITH 3" "0" RING
	11	SIGA-HRD	EST	-HEAT DETECTOR		-MOUNTS TO SIGA-SB BASE
(HD)	11	SIGA-TIND SIGA-SB	EST	-BASE		-4" SQ. BOX WITH 3" "0" RING
SP WP	4	WG4RF-S	EST	-70V SPEAKER - 2W	7320-1657:0289	-4" SQ. DEEP ELECTRICAL BOX (74347U (WG4) WEATHER PROOF BOX WET LOCATION)
<u></u>	1	SIGA-COD	EST	CO DETECTOR	5278-1657:0335	, ,
AMP1	1	ANS50	EST	VOICE COMMUNICATION ACCESSORIES	6912-1657:0237	ANS50MD2
<u> </u>		711000		TADIOL OOMINIONIONION AOOLOOUNILO	10312-1037.0237	ANSOUNDZ

SEQUENCE OF OPERATION										
ACTION	THROUGHOUT BUILDING SOUND GENERAL ALARM	SOUND TROUBLE BUZZER	ACTIVATE ADDRESSABLE MODULE FOR MONITORING	ANNUNCIATE AT PANEL	TRANSMIT TROUBLE SIGNAL FOR ALL APPLICABLE COMPONENTS TO SUPERVISING STATION	TRANSMIT ALARM SIGNAL TO SUPERVISING STATION	ACTIVE REMOTE POWER SUPPLY PANEL (FCPS)	DROP SPEEAKERS & VISUAL ALARMS FROM F.A. SYSTEM		
MANUAL PULL STATION	•		•	•		•	•	•		
INDICATING CIRCUIT FAILURE		•		•						
INITIATING CIRCUIT FAILURE		•		•						
AC / BATTERY FAILURE		•		•		•				
F.A. SYSTEM LOW BATTERY		•		•						
SMOKE DETECTORS	•			•		•	•			
HEAT DETECTORS	•			•		•	•			
ISOLATOR LINE TROUBLE		•		•						
EARTH GROUND FAULT		•			•					
NOTIFICATION APPLIANCE CIRCUIT OPEN		•		•	•	•				
SIGNAL LINE SHORT		•		•	•	•				

. SUBMITTAL FOR CSFM# AND DATA SHEETS		

ALL DEVICES ARE NEW, NO RECORD DRAWINGS NEEDED

BATTERY BACKUP 2/2021 MANUFACTURED DATE STAMP (FOR ANS50 AMP) -

			WIF	RE LEGEND		
TYPE	CONDUCTORS	SIZE	TYPE CABLE	CIRCUIT DESCRIPTION	WIRE COLOR SCHEME	LISTING
Α	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
В	2	#12AWG	THHN	SPEAKER CIRCUIT	RED (+), BLACK (-)	UL 83
С	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
Р	2	#14AWG	THHN	AUXILIARY POWER CIRCUIT	ORANGE (+), BROWN (-)	UL 83
D	2	#12AWG	THHN	STROBE CIRCUIT	YELLOW (+), BLUE (-)	UL 83
2D	4	#12AWG	THHN	STROBE LOOP	YELLOW (+), BLUE (-), YELLOW STRIPED (+), BLUE STRIPED (-)	UL 83

— SEE ATTACHED F.A.

SCOPE OF WORK							
PROVIDE A NEW ADDRESSABLE EVACUATION FIRE ALARM SYSTEM FOR NON SPRINKLERED							
BUILDING, AUTOMATIC TYPE COMPLETE BUILDING SYSTEM. A SPEAKER SYSTEM WILL BE EMPLOYED FOR VOICE NOTIFICATION. FA SYSTEM SHALL BE CONNECTED TO CAMPUS WIDE F.A. SYSTEM.							

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.

MOUNTING HEIGHT DETAIL ✓ SINGLE GANG BOX FOR STROBE STROBE OR ONLY UNITS, SPEAKER, & COMBINATION SPEAKER AUDIO/VISUALS. HORN/STROBE ── 4" SQ. HORN / STROBE COMBINATION NO PLASTER RING. MIN. 80" AFF OR 6" BELOW USE WB-1 BACK BOX FOR CLG WHICHEVER WEATHERPROOF SPEAKER. IS LOWER PULL STATION 4" SQUARE BACK BOX FOR HANDLE HEIGHT ADDRESSABLE PULL STATIONS.

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 IN THE PRESENCE OF THE FIRE MARSHAL, OWNER AND ENGINEER OF RECORD.

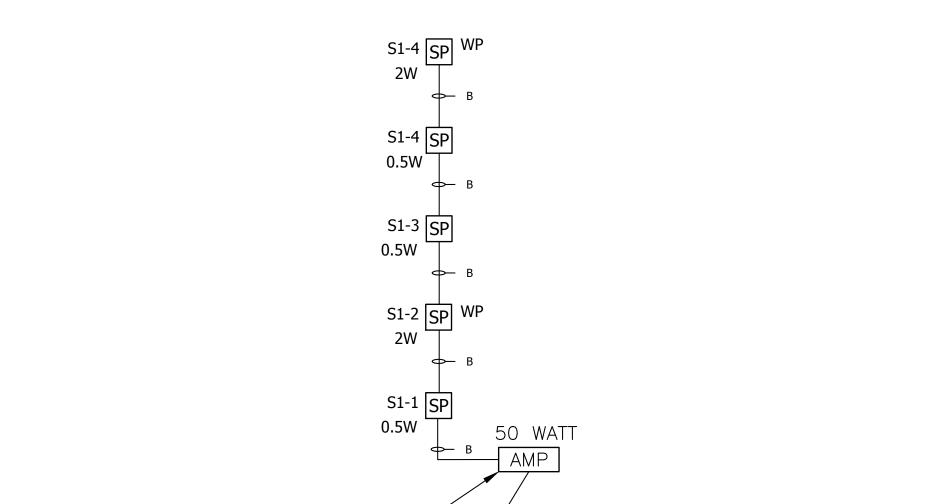
PROVIDE SMOKE DETECTOR SENSITIVITY TEST METHOD PER CFC 907.8.3 & 907.8.4 A MINIMUM OF 48 HOURS NOTICE SHALL BE REQUIRED FOR ANY INSPECTION AND/OR TESTING.

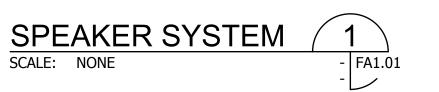
ALL DEVICES OF THE FIRE ALARM SYSTEM SHALL BE APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL.

A STAMPED SET OF APPROVED FIRE ALARM PLANS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATION FROM APPROVED PLANS, INCLUDING THE SUBSTITUTION OF DEVICES SHALL BE APPROVED BY THE FIRE MARSHAL.

ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE, OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR OF

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.





- 120V AC 20.0 AMP DEDICATED CIRCUIT (ST-12)

PROJECT NOTES

GENERAL NOTES

1. ALL WIRE SHALL BE IN CONDUIT PER CFC 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. (DETAIL 2)

4. MAINTAIN 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 LOCKON DEVICE.

APPLICABLE CODES

LIST OF 2019 CALIFORNIA CODE OF REGULATIONS (C.C.R.):

APPLICABLE CODES AS OF JANUARY 1, 2020

2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.

7. DEVICE TYPES AND LOCATIONS ARE SHOWN AS CALLED FOR ON THE BID DOCUMENTS.

2019 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE

COUNCIL, WITH CALIFORNIA AMENDMENTS)

2019 CALIFORNIA ELECTRICAL CODE. TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION

ASSOCIATION, NFPA)

2019 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R.

(2018 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

2019 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF

PLUMBING AND MECHANICAL OFFICIALS, IAPMO) 2019 CALIFORNIA ENERGY CODE. TITLE 24 C.C.R.

CURRENTLY VACANT

2019 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.

CODE OF THE INTERNATIONAL CODE COUNCIL)

2019 CALIFORNIA FIRE CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE

2019 CALIFORNIA EXISTING BUILDING CODE (2018 INTERNATIONAL

EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)

PART 11-

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 C.C.R.

2019 CALIFORNIA REFERENCE STANDARDS CODE, TITLE 24 C.C.R.

PARTIAL LIST OF APPLICABLE STANDARDS

2019 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAP. 35

AUTOMATIC SPRINKLER SYSTEMS (CALIFORNIA AMENDED) 2016 EDITION STANDPIPE SYSTEMS (CALIFORNIA AMENDED) 2016 EDITION NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 2017 EDITION NFPA 17a WET CHEMICAL EXTINGUISHING SYSTEMS 2017 EDITION STATIONARY PUMPS 2016 EDITION PRIVATE FIRE SERVICE MAINS (CALIFORNIA AMENDED) 2016 EDITION NFPA 72 NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) 2016 EDITION (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES") FIRE DOOR AND OTHER OPENING PROTECTIVES 2016 EDITION NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS 2015 EDITION

NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2015 EDITION DEPARTMENT OF JUSTICE REGULATIONS FOR TITLE II OF THE AMERICANS WITH DISABILITIES ACT OF 1990 WITH REVISED REGULATIONS AS PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 15, 2010, EFFECTIVE MARCH 15, 2012. TITLED ADA STANDARDS

FOR ACCESSIBLE DESIGN.

FIRE ALARM N.A.C. DEVICE NUMBERING KEY

NUMBER OF DEVICE IN CIRCUIT OR. NOTIFICATION APPLIANCE CIRCUIT TYPE (S=SPEAKER, V=VISUAL)

FIRE ALARM ADDRESSABLE DEVICE IDENTIFICATION KEY

(IDENTIFICATION MATCHES ACTUAL LED DISPLAY IN "FACP" OR "ANN") — 1 OR 2 DIGIT NUMBER OF ADDRESSABLE DEVICE "D" DESIGNATED ADDRESSABLE "DEVICE","H"FOR HEAT, "SD"FOR SMOKE DETECTOR,"P" PULL STATION, "CO" FOR CARBON MONOXIDE, "V" FOR STROBE.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOM AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA

COMMISSIONED ARCHITECT



AMADOR WHITTLE ARCHITECTS, INC.

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

CONSULTANT | 4966| & 13396111733 1161 CONSULTING ELECTRICAL ENGINEERS

3251 CORTE MALPASO, #511 CAMARILLO, CA 93012-8094

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STAMPS/SEALS



DSA SUBMITTAL

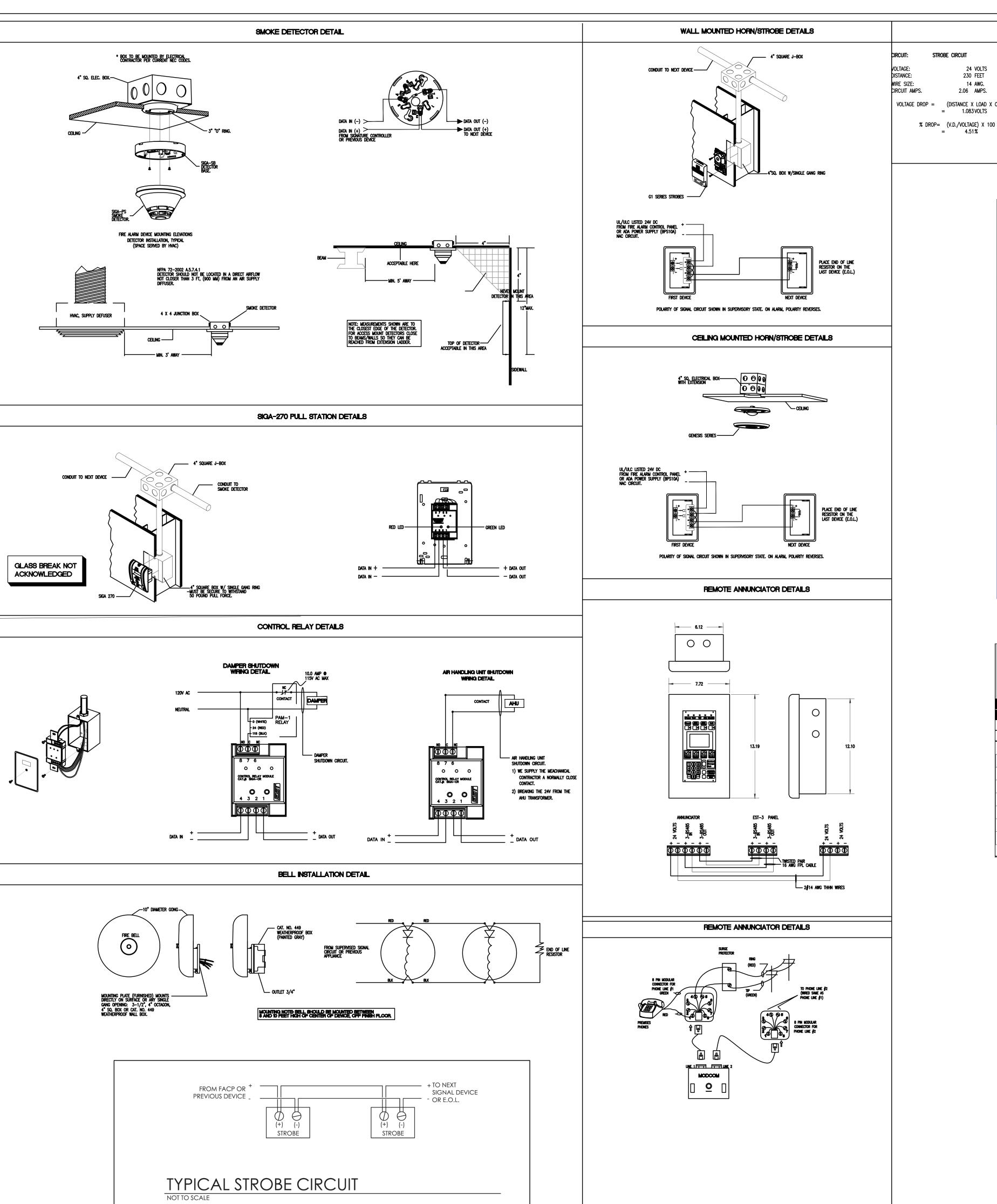
FIRE ALARM GENERAL NOTES AND DEVICES

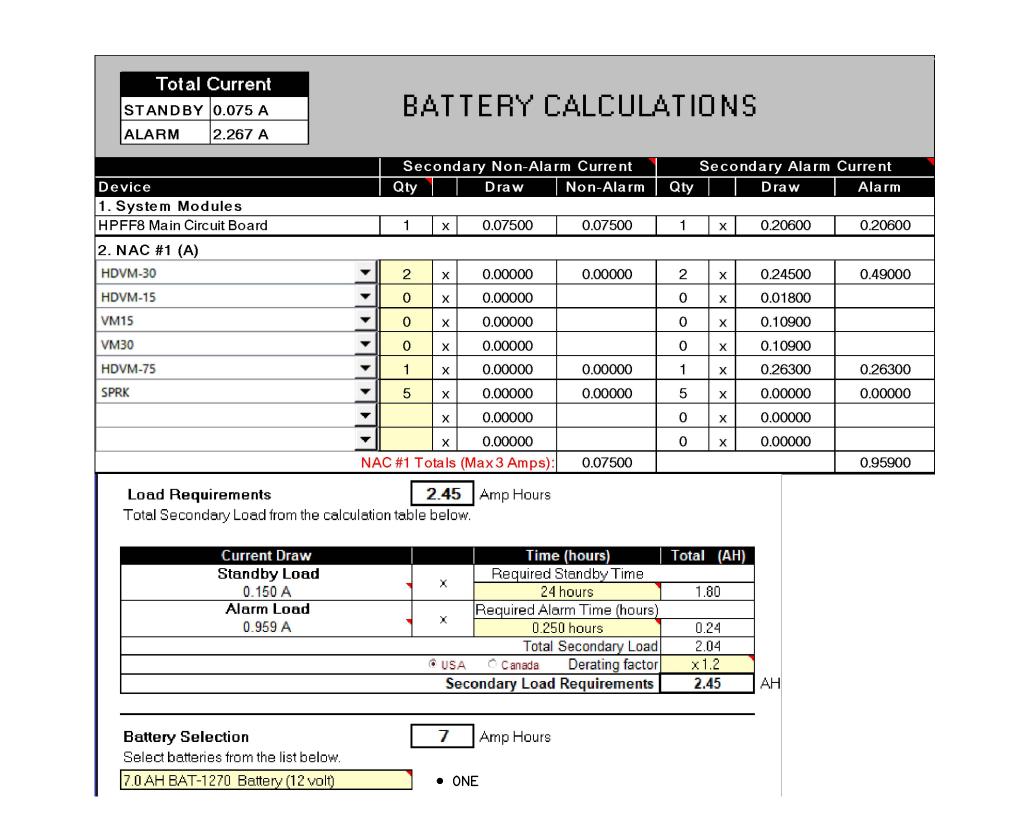
20-MPC-036 PROJECT ARCH: L.K /D.S. CHECKED:

LEGEND

Designer

7-15-2021 | SHEET: ____ OF ____





VOLTAGE DROP CALCULATION

230 FEET

14 AWG.

(DISTANCE X LOAD X OHMS/1000') / 1000

2.06 AMPS.

1.083 VOLTS

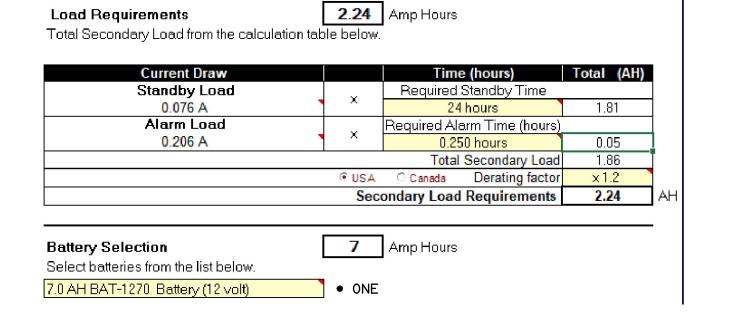
210 FEET

= .473 VOLTS

% DROP= (V.D./VOLTAGE) X 100

(DISTANCE X LOAD X OHMS/1000') / 1000

Total Current STANDBY 0.019 A ALARM 2.239 A					ALCUL				
		Sec	onc	lary Non-Alai	m Current		Seco	ndary Alarm	Current
Device		Qty		Draw	Non-Alarm	Qty		Draw	Alarm
1. System Modules									
HPFF8 Main Circuit Board		1	х	0.07500	0.07500	1	х	0.20600	0.20600
2. NAC #2									
SMOKE DETECTOR	▼	4	х	0.00003	0.00012	4	х	0.00003	0.00012
HEAT DETECTOR	▼	3	х	0.00005	0.00015	3	х	0.00005	0.00015
PULL STATION		1	х	0.00025	0.00025	1	х	0.00040	0.00040
	▼		х	0.00000		0	х	0.00000	
	_		х	0.00000		0	х	0.00000	
	\blacksquare		х	0.0000		0	х	0.00000	
	\blacksquare		х	0.0000		0	х	0.00000	
	NΔ	C #2 To	ntals	(Max3 Amps):	0.07552				0.20667



THIS IS A FULLY AUTOMATIC ANNUNCIATION SYSTEM ONLY

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/11/2021

PROJECT TITLE

SMOKE/HEAT/PULL CIRCUIT

= .203 VOLTS

% DROP= (V.D./VOLTAGE) X 100 = .846%

275 FEET

14 AWG.

(DISTANCE X LOAD X OHMS/1000') / 1000

OHMS/1000"

STADIUM RESTROOM AND EQUIPMENT ROOM

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ARCHITECTS, INC.

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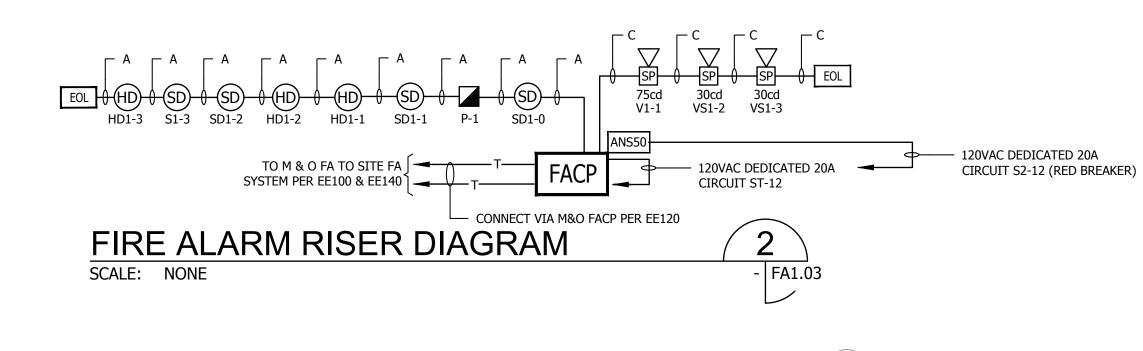
FIRE ALARM DETAILS AND BATTERY CALCULATIONS

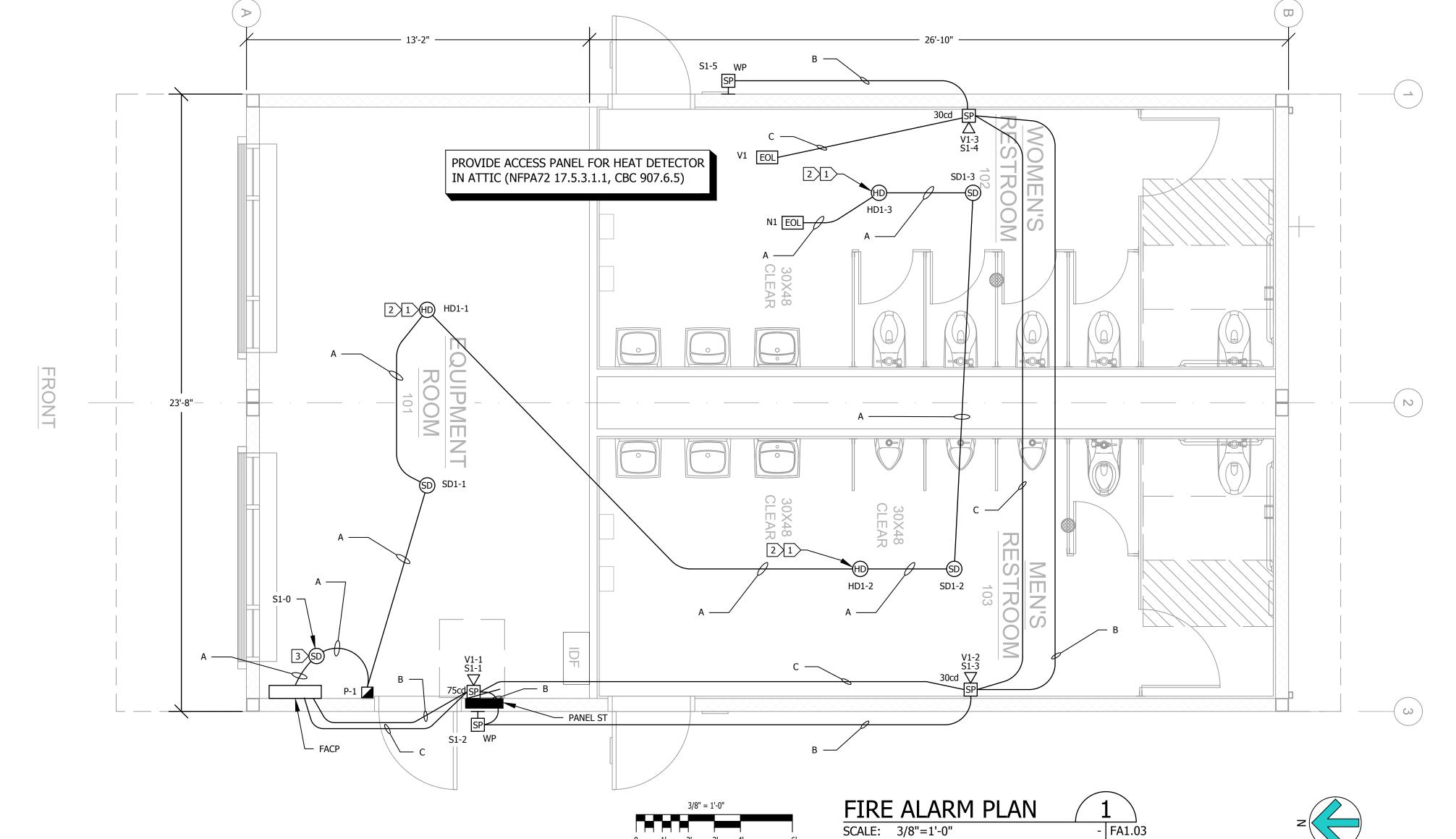
20-MPC-036 PROJECT ARCH: L.K /D.S. CHECKED:

Designer

7-15-2021 SHEET: ____ OF ___

ANS Audio Panel Battery Calculations ANS50 Alarm Total Current Current **Total** Qty (Amps) Standby (Amps) Alarm ANS50 - 50W Amp 0.13 0.13 1 x ANSREMSUP - Remote Mic Sup Module 0.05 0.03 0.03 ANSREM - Remote Mic 0.02 0.04 0.02 0.04 1 x 0.038 0.048 ANSZSC4A - Class A Converter 0.038 0.048 1 x 0.01 ANSRSI8 - Remote Serial Interface 0.01 0.01 0.01 1 x ANSAUX - Audio Matching I/O 0.015 0.015 0.035 0.035 1 x ANSBKUP - Backup Amp Module 0.04 1 x 0.04 0.01 0.283 Amps Totals = 15 Alarm Mins. 24 Stdby Hrs. 0.250 Alarm Hrs. 6.792 0.298 Batteries larger than 7AH require separate battery cabinet. 2 x 7AH IN SEPARATE BATTERY CABINET FOR ANS50 REQUIRED Battery Size = 8.508 Amp Hours





SHEET NOTES:

- 1. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
- 2. 3/4" RED CONDUIT MINIMUM UNLESS OTHERWISE NOTED, 1"C UNDER
- 3. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL COMMUNICATION CABLING PER CABLE MANUFACTURERS
- 4. MAXIMUM 180 DEGREE OF BEND BETWEEN PULL POINTS.
- RUN COMMUNICATION CABLING IN CABLE TRAY TO MAXIMUM EXTENT POSSIBLE. WHERE CABLING IS NOT IN CABLE TRAY, CABLE SHALL BE IN
- 6. UNIQUELY LABEL BOTH ENDS OF ALL CABLING.

KEY NOTES:

- PROVIDE ACCESS PANEL AS REQUIRED.
- HEAT DETECTOR IN ATTIC UPPER STRUCTURE.
- ABOVE FACP & LESS THAN 5'0" FRONT FACP HORIZONTALLY.

DO NOT INSTALL SMOKE OR HEAT DETECTORS WITHIN 36" OF SUPPLY OR RETURN AIR REGISTERS

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOM AND EQUIPMENT ROOM

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DSA SUBMITTAL

FIRE ALARM PLAN

20-MPC-036 PROJECT ARCH: L.K /D.S. CHECKED:



BUILDING DATA

APPLICABLE CODES

DEEPER FOOTINGS REQUIRED? | NO

WIDER FOOTINGS REQUIRED? 🛛 🖂 NO

|⊠ YES – REQUIRED DEPTH: 18" MIN.

☐ YES — REQUIRED DEPTH:

American Modular Systems

VENTURA COUNTY MOORPARK ROAD (1) 24' x 40' BUILDING

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 08/11/2021

MODULAR MANUFACTURER PROPRIETARY STATEMENT THESE DRAWINGS AND THE MATERIAL CONTAINED THERE IN ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF AMS. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH AMS SHALL BE THE SOLE PROPERTY OF AMS.

24'x40' THRU 120'x40'

STANDARD MODULAR

BUILDINGS

VENTURA COUNTY

MOORPARK ROAD

(1) 24'x40' BUILDING

TITLE SHEET

MANUFACTURER PROFESSIONAL OF REICORD ON

UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC02-115700

REVISIONS

AA/KA

AS NOTED

07/15/21

SHEET NUMBER

DRAWN BY:

PRE-CHECKED SET NAME

E SPECIFIC PROJECT NAME

SHEET INDEX

OPTIONS

FLOOR PLAN &

DETAILS

NUMBER

RESTROOM OPTIONS, PLUMBING PLAN, & FIXTURE

PLUMBING DETAILS & ACCESSIBLE DETAILS

PLUMBING ISOMETRIC DRAWINGS

TOTAL 51 PAGES

E OR B (CLASSROOM USE FOR COLLEGE). OR A (CATEGORY I/II) **ARCHITECTURAL** OCCUPANCY **STRUCTURAL** PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2017 V-B (CATEGORY I & II) TYPE OF CONSTRUCTION SHEET SHEET • 2016 CALIFORNIA ADMINISTRATIVE CODE (CAC) - PART 1, TITLE 24, CCR) SHEET TITLE OPTIONS OPTIONS **NUMBER** NUMBER 2016 CALIFORNIA BUILDING CODE (CBC), VOLUME 1 & 2 - (PART 2, TITLE 24 CCR) BASED ON THE 2015 INTERNATIONAL V = 110 MPH ULT. WIND SPEED RISK CATEGORY BUILDING CODE STEEL MEMBER COVER SHEET ⊠ TS TITLE SHEET |EXPOSURE| = CASCE 7-10 SECTION 28.6.3 $K_{ZT} = 1.00$ ⊠ S0.0 STEEL MEMBER PROPERTIES PROPERTIES 2016 CALIFORNIA ELECTRICAL CODE (CEC) - (PART 3, TITLE 24, CCR) BASED ON THE 2014 NATIONAL ELECTRIC CODE INTERNAL PRESSURE COEFF., $GC_{D_1} = \pm 0.18$ SIMPLIFIED PROCEDURE INSPECTION FORM | ☑ D1 FORM DSA-103 • 2016 CALIFORNIA MECHANICAL CODE (CMC) - (PART 4, TITLE 24, CCR) BASED ON THE 2015 UNIFORM MECHANICAL CODE CONCRETE FOUNDATION PLAN - 50 PSF LIVE LOAD FLOOR LIVE LOAD (PSF) \square 50 $| \square$ 50+15 $| \square$ 100 $| \square$ 150 (NON-STORAGE) ⋈ N1.0 GENERAL NOTES & SPECIFICATIONS • 2016 CALIFORNIA PLUMBING CODE (CPC) — (PART 5, TITLE 24, CCR) BASED ON THE 2015 UNIFORM PLUMBING CODE CONCRETE FOUNDATION PLAN - 50 PSF LIVE LOAD 2016 CALIFORNIA ENERGY CODE (CEC) — (PART 6, TITLE 24, CCR) ROOF LIVE LOAD (MAX PSF) 20 (REDUCIBLE) ⋈ N2.0 GENERAL NOTES & SPECIFICATIONS +15 PSF PARTITION LOAD 2016 CALIFORNIA FIRE CODE (CFC) - (PART 9, TITLE 24, CCR) BASED ON THE 2015 INTERNATIONAL FIRE CODE. GENERAL NOTES SNOW LOAD NOT CONSIDERED (SEE GENERAL NOTE #14 THIS SHEET) TYPICAL SCHEDULES: DOORS, WINDOWS, & FINISHES CONCRETE FOUNDATION PLAN - 100 PSF LIVE LOAD S1.2 • 2016 CALIFORNIA GREEN BUILDING CODE (CGC) - (PART 11, TITLE 24, CCR) • 2016 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR) ACCESSIBILITY STANDARDS AND DETAILS CONCRETE FOUNDATION PLAN - 150 PSF LIVE LOAD RAMP LIVE LOAD (MAX. PSF) № N4.0 3 S1.3 **SPECIFICATIONS** ⊠ N5.0 MULTIPLE FLOOR PLAN CONFIGURATIONS CONCRETE FOUNDATION DETAILS DESIGN DEAD LOADS (MAX PSF) 14.8 RF - 10.0 WD FLR - 42.0 CONC. FLR - 13.7 EXT WALLS PARTIAL LIST OF APPLICABLE STANDARDS N5.1 MULTIPLE FLOOR PLAN CONFIGURATIONS **⊠** S1.5 CONCRETE FOUNDATION DETAILS NOT CONSIDERED (SEE GENERAL NOTE #9 THIS SHEET) ROOF SOLAR PANELS • NFPA 13 AUTOMATIC SPRINKLER SYSTEM 2016 EDITION **ENERGY CALCULATIONS** ⋈ S1.6A STANDARD FOUNDATION ANCHORAGE DETAILS • NFPA 14 STANDPIPE AND HOSE SYSTEMS 2013 EDITION 1.5 PSF AT ROOF (SEE GENERAL NOTES #5 - #7 THIS SHEET) FIRE SPRINKLER SYSTEM DESIGN WT. NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 2013 EDITION ☑ EN.2 **ENERGY CALCULATIONS** UPGRADED FOUNDATION ANCHORAGE DETAILS WET CHEMICAL EXTINGUISHING SYSTEMS 2013 EDITION NFPA 17A ALLOWABLE SOIL PRESSURE (PSF) I1,500 FOR CONCRETEI1,000 FOR WOOD CONCRETE FOUNDATION OPTIONAL UTILITY OPENINGS NFPA 20 STATIONARY PUMPS 2016 EDITION **ENERGY CALCULATIONS** FLOOD HAZARD AREA NO (SEE GENERAL NOTE #11 THIS SHEET) NFPA 24 PRIVATE FIRE MAINS 2016 EDITION IN FOOTINGS **⊠** EN.4 **ENERGY CALCULATIONS** • NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED) 2016 EDITION **ENERGY SHEETS** BUILDING AREA (SQ. FT.) WOOD FOUNDATION PLAN - 50 PSF LIVE LOAD -960 MIN. THRU 4800 MAX. 1440 (NOTE: SEE UL. STANDARD 1971 FOR "VISUAL DEVICES") ☑ EN.5 ENERGY CALCULATIONS PLYWOOD FLOOR CLIMATE ZONE **CALCULATIONS** • NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS 2015 EDITION **ENERGY CALCULATIONS** WOOD FOUNDATION PLAN - 50 PSF LIVE LOAD + 15 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS NFPA 2001 2015 EDITION MODULES MOMENT-RESISTANT FRAME (SINGLE STORY) PSF PARTITION LOAD - PLYWOOD FLOOR ENERGY CALCULATIONS WOOD FOUNDATION PLAN - 100 PSF LIVE LOAD -12'x40' MODULES (2 MODULES MINIMUM) SYSTEM S2.2 **GENERAL NOTES** ENERGY CALCULATIONS PLYWOOD FLOOR FOUNDATION TYPE □ CONCRETE ☑ EN.9 ENERGY CALCULATIONS WOOD FOUNDATION PLAN - 150 PSF LIVE LOAD PLYWOOD FLOOR TYPICAL FLOOR PLAN SITE SPECIFIC SEISMIC CRITERIA: PC BUILDING CLASSIFIED AS OCCUPANCY "A" WITH OCCUPANT LOAD 100 OR MORE CANNOT BE REVIEWED OVER THE COUNTER (OTC S2.4 WOOD FOUNDATION DETAILS FLOOR PLANS ☐ A1.1 TYPICAL FLOOR PLAN w/ SOLATUBE OPTION PC BUILDING APPROVED ONLY FOR OCCUPANCY "E" OR "B", OR "A" CATEGORY I & II, WITH AN OCCUPANT LOAD LESS THAN 250. RESTROOM FLOOR PLAN OPTIONS PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC. SITE SPECIFIC $S_S =$ 2.607 SITE CLASS = DFLOOR FRAMING PLAN & DETAILS FOR PLYWOOD YPICAL ROOF PLAN - METAL STANDARD SEAM PC BUILDINGS LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A. PC IS NOT APPROVED FOR WUI. (WITHOUT PARAPETS) SITE USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM MIGHT BE REQUIRED. AUTOMATIC FIRE SPRINKLER YPICAL ROOF PLAN — METAL STANDING SEAM FLOOR FRAMING PLAN & DETAILS FOR CONCRETE (NOTE: SITE SHALL BE SITE CLASS "D" IF NO SOILS REPORT A2.1 REQUIREMENTS ARE NOT INCLUDED IN THIS PC APPROVAL. (NOTE: SEE BUILDING DATA THIS SHEET FOR FIRE SPRINKLER SYSTEM FLOOR w/BH-DECK OPTION (WITH PARAPETS) ⊠ S3.1 UNLESS THERE IS EVIDENCE OF CLASS "E" OR "F" SOILS PRESENT.) WEIGHT INCLUDED IN BUILDING DESIGN) (100 PSF MAX FLOOR L.L.) A2.2 TYPICAL ROOF DETAILS - METAL STANDING SEAM FIRE SERVICE UNDERGROUND SHALL BE REVIEWED AS A SITE SPECIFIC APPLICATION. WATER SUPPLY SHALL BE DESIGNED TO MEET FLOOR FRAMING PLAN & DETAILS FOR CONCRETE THE PC SPRINKLER DEMAND REQUIREMENTS. YPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP SEISMIC: RISK CATEGORY II FLOOR w/NH32 DECK OPTION (WITHOUT PARAPETS) PROVIDE A SITE SPECIFIC FIRE FLOW LETTER OF CERTIFICATION FROM AN APPROVED WATER PURVEYOR OR LOCAL FIRE AUTHORITY. (100 PSF MAX FLOOR L.L.) PICAL ROOF PLAN — SINGLE—PLY OR BUILT—UP THIS PC PLAN SHALL NOT BE USED TO HOUSE "ROOMS OR AREAS WITH SPECIAL HAZARDS" SUCH AS LABORATORIES, VOCATIONAL $F_V = 1.5$ Max. FOR SITE CLASS A-D FLOOR FRAMING PLAN & DETAILS FOR CONCRETE SHOPS AND OTHER SUCH AREAS NOT CLASSIFIED AS GROUP H, LOCATED IN GROUP E OCCUPANCIES. (WITH PARAPETS) = 2.4 Max. FOR SITE CLASS E FLOOR w/3WH-DECK OR 3WxH-DECK OPTION A SEPARATE DSA APPLICATION NUMBER IS REQUIRED FOR DESIGN & INSTALLATION OF SOLAR PANEL SYSTEMS, ITS ANCHORAGE & $\Omega_0 = 3.0$ SEISMIC DESIGN CATEGORY: D (S₁ \leq 0.75) TYPICAL ROOF DETAILS — SINGLY—PLY OR BUILT—UF (150 PSF MAX FLOOR L.L.) ⊠ A2.5 SUPPORT STRUCTURE. (NOTE: SOLAR PANEL SYSTEM WEIGHT NOT INCLUDED IN BUILDING DESIGN) $E (0.75 < S_1 < 1.5)$ ROOF FRAMING PLAN & DETAILS - $\rho = 1.0$ SOLAR SYSTEM SUBMITTALS SHALL NOT BE SUBMITTED AS AN OVER-THE-COUNTER SUBMITTAL. INTERIOR ELEVATIONS - TYPICAL CLASSROOM OPEN SOFFIT OPTION INTERIOR LATERAL FORCE RESISTING SYSTEM: LIGHT MODULAR STEEL MOMENT FRAMES PER 2212A **ELEVATIONS ⋈** A4.1 INTERIOR ELEVATIONS - RESTROOM OPTIONS ROOF FRAMING PLAN & DETAILS -D. IF THE STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER—THE—COUNTER SUBMITTAL IS NOT ROOF FRAMING ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE ENCLOSED SOFFIT OPTION ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF THE SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY PLAN & DETAILS YPICAL EXTERIOR ELEVATIONS **DURATEMP** BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES DURATEMP 303 SIDING OPTION **⊠** S4.2 ROOF FRAMING DETAILS SITE CLASS A-D: YPICAL ARCHITECTURAL DETAILS — OPTIONAL PARAPET FRAMING ELEVATIONS & DETAILS SIDING 11. THIS PC BUILDING IS NOT DESIGNED FOR FLOOD HAZARD AREAS. DURATEMP 303 SIDING OPTION DOM SEISMIC MOMENT FRAME ELEVATIONS & DETAILS ⊠ S5.0 12. THE PLACEMENT OF THE PC BUILDING(S) ON OR ADJACENT TO SLOPES SHALL COMPLY WITH THE 'FOUNDATION CLEARANCES FROM $S_{DS} = 1.62 \text{ (SITE)}$ TYPICAL EXTERIOR ELEVATIONS -BUILDING FRAMING =2.429 MAX (SITE) SLOPES' SPECIFICATIONS FOUND ON SHEET N2.0 OF THESE DRAWINGS. $F_0 = 1.0$ STUCCO OPTION **⊠** S5.1 MOMENT FRAME CONNECTION DETAILS **ELEVATIONS &** STUCCO 1.700 (DESIGN)* 1.13 (DESIGN)* 13. PC BUILDING SHALL NOT BE PLACED OR BE RELOCATED IN AREAS HAVING A NOISE CONTOUR GREATER THAN OR EQUAL TO 65 YPICAL ARCHITECTURAL DETAILS -DETAILS TYPICAL LONGITUDINAL & TRANSVERSE $C_S = 0.324 \mid W \text{ (DESIGN)*}$ ⊠ S6.0 CNEL, OR IN AREAS EXPOSED TO A NOISE LEVEL OF 65 dB L_{eq} -1-hr DURING ANY HOUR OF OPERATION WHEN NOISE STUCCO OPTION FRAME SECTIONS CONTOURS ARE NOT READILY AVAILABLE, AS SPECIFIED IN CALGREEN CODE, SECTION 5.507.4.1 & 5.507.4.1.1. YPICAL EXTERIOR ELEVATIONS -WALL FRAMING ELEVATIONS & SCHEDULES $S_{DS} = 2.17 \text{ (SITE)}$ **⊠** S8.0 $/S_s = 3.257 \text{ MAX (SITE)}$ 14. THIS PC BUILDING IS NOT DESIGNED FOR SNOW LOADS AP SIDING OPTION - WOOD STUDS 1.52 (DESIGN)* 2.280 (DESIGN)* SIDING YPICAL ARCHITECTURAL DETAILS -**⊠** S8.1 WALL FRAMING DETAILS - WOOD STUDS $C_S = 0.434 \mid W \text{ (DESIGN)*}$ AP SIDING OPTION YPICAL EXTERIOR ELEVATIONS -WALL FRAMING ELEVATIONS & SCHEDULES SITE-SPECIFIC OPTIONS **FRAMING** SITE CLASS E: SYNTHETIC STUCCO OPTION SYNTHETIC - METAL STUD OPTION STUCCO YPICAL ARCHITECTURAL DETAILS -WALL FRAMING DETAILS — METAL STUD OPTION \square BH-36 DECK 1½"x18 GA. \square 1%" PLYWOOD SHTG. ☐ NH-32 DECK 3"x18 GA. SYNTHETIC STUCCO OPTION ■ LOW SEISMIC FLOOR DECK TYPICAL METAL STUD FRAMING DETAILS & $S_{DS} = 1.13 \text{ (SITE)}$ S9.2 $S_s = 1.889 \text{ MAX (SITE)}$ $F_{0} = 0.9$ A7.0 ARCHITECTURAL EXTERIOR FINISH OPTIONS DETAILS \Box 3WH DECK 3"x18 GA. ☐ 3WxH DECK 3"x18 GA. 1.889 (DESIGN)* 1.13 (DESIGN)* MISCELLANEOUS ⊠ A7.1 MISCELLANEOUS ARCHITECTURAL DETAILS TYPICAL RAMP PLANS & NOTES WALL STUDS |⊠ wood ☐ LIGHT—GAUGE STEEL S10.0 DETAILS $C_S = 0.324 \mid W \text{ (DESIGN)*}$ -HR FIRE RATED CONSTRUCTION DETAILS S10.1 RAMP DETAILS EXTERIOR WALL DURATEMP 303 SYNTHETIC STUCCO ☐ LAP SIDING ☐ STUCCO ☐ HIGH SEISMIC FINISH $S_{DS} = 1.52 \text{ (SITE)}$ $S_s = 2.533 \text{ MAX (SITE)}$ $F_0 = 0.9$ ROOF MOUNTED INTERIOR FLOOR MOUNTED | EXTERIOR WALL MOUNTED 2.533 (DESIGN)* 1.52 (DESIGN)* **MECHANICAL** $C_{S} = 0.434 \mid W \text{ (DESIGN)*}$ OVER SHEATHING 3° x 20 GA. SINGLE−PLY ROOFING ROOFING STANDING SEAM OPTIONS SHEETS w/ SPECIFIC LOW/HIGH SEISMIC NUMBER SINGLE PITCH ☐ DUAL PITCH *PER CBC 1616A.1.12 (MODIFICATION TO ASCE 7-10,12.8.1.3): TYPICAL REFLECTED CEILING PLAN **DESIGNATIONS/OPTIONS** THE VALUE OF C_S AND E_V ARE PERMITTED TO BE CALCULATED USING A VALUE OF S_{DS} EQUAL TO │⊠ ¾" PLYWOOD ☐ STEEL X—BRACING ROOF DIAPHRAGM FLOOR PLANS TYPICAL MECHANICAL PLAN OPTIONS 1.0, BUT NOT LESS THAN 70% OF S_{DS} as defined in Section 11.4.4, provided that all of the | **TS** TITLE SHEET \boxtimes YES – LENGTH: 5'–0" FRONT OVERHANG | NO ENCLOSED □ № FOLLOWING CRITERIA ARE MET: RESTROOM REFLECTED CEILING PLANS OPTIONS WOOD FOUNDATION PLAN - 50 PSF LIVE LOAD - PLYWOOD FLOOR 1. STRUCTURE DOES NOT HAVE IRREGULARITIES; ✓ YES REAR OVERHANG | NO \boxtimes YES – LENGTH: 2'-0" ENCLOSED MECHANICAL & CEILING DETAILS WOOD FOUNDATION PLAN - 50 PSF LIVE LOAD + 15 PSF 2. STRUCTURE DOES NOT EXCEED FIVE (5) STORIES ABOVE THE BASE; SOLATUBE ON ROOF NO ☐ YES PARTITION LOAD - PLYWOOD FLOOR MECHANICAL & CEILING DETAILS 3. STRUCTURE HAS A FUNDAMENTAL PERIOD, T, THAT DOES NOT EXCEED 0.5 SECONDS; | YES S2.2 WOOD FOUNDATION PLAN — 100 PSF LIVE LOAD — PLYWOOD FLOOR FIRE SPRINKLERS | NO (SEE GENERAL NOTES #5 - #7 THIS SHEET) 4. STRUCTURE MEETS REQUIREMENTS FOR REDUNDANCY FACTOR, ρ , TO BE TAKEN AS 1.0; MECHANICAL & CEILING DETAILS 5. SITE SOIL PROPERTIES ARE NOT CLASSIFIED AS SITE CLASS 'E' OR 'F'; WOOD FOUNDATION PLAN - 150 PSF LIVE LOAD - PLYWOOD FLOOR |⊠ NO (SEE SHEET S4.3) PARAPETS MECHANICAL ROOF DETAILS 6. STRUCTURE IS CLASSIFIED AS RISK CATEGORY II. FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR (SEE SHEET S10.0) |⊠ NO | ☐ YES MECHANICAL ROOF DETAILS FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/NH-32 ☐ YES (SEE GENERAL NOTE #10 THIS SHEET) LIQUEFIABLE SOILS | NO MISCELLANEUOUS | ⋈ M1.7 CEILING & MECHANICAL NOTES & SCHEDULES DECK OPTION (100 PSF MAX FLOOR L.L.) © 2018 BY AMERICAN MODULAR SYSTEMS, INC. | YES GEOHAZARD REPORT | NO **ELECTRICAL** FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR IF YES GEOTECHNICAL FIRM: w/3WH-DECK OR 3WxH-DECK OPTION (150 PSF MAX FLOOR L.L.) SHEET TITLE OPTIONS NUMBER ALL OF THE DRAWINGS AND DETAILS CONTAINED IN THIS MOMENT FRAME ELEVATIONS & DETAILS PACKAGE ARE THE INTELLECTUAL PROPERTY OF AMS AND MAY ⋈ E1.0 TYPICAL ELECTRICAL PLAN GEOTECHNICAL REPORT* NOT BE USED FOR CONSTRUCTION OR DESIGN BY ANOTHER MOMENT FRAME CONNECTION DETAILS REQUIRED IF BUILDING AREA > 4,000 SF FLOOR PLANS & ☐ E1.1 RESTROOM OPTIONS ELECTRICAL PLANS ENTITY WITHOUT THE EXPRESS WRITTEN PERMISSION OF AMS. IF YES GEOTECHNICAL FIRM: GEOTECHNIQUES ⋈ E1.2 ELECTRICAL NOTES & DETAILS COPYRIGHT: © 2018 BY AMERICAN MODULAR SYSTEMS, INC. ALL RIGHTS RESERVED. NO PART OF THIS REPORT #: REPORT #: 1003.035 REPORT DATE: 06/30/17 **PLUMBING** DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING, OR OTHERWISE, WITHOUT THE PRIOR WRITTEN PERMISSION

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Additional Information for PC de	STOCKPILE	CONSTRUCTION OF PERMANENT MODULAR OR RELOCATABLE BUILDING	RELOCATION OF CERTIFIED RELOCATABLE BUILDING
INSPECTOR CLASS (minimum requirements)	RBIP or Class 1	In Plant RBIP or Class 1 Site Class 4 for Single Story Site Class 2 for Two-Story	Class 4 for Single Story Class 2 for Two-Story
Selection of the Project Inspector and Testing Agency	by the Owner and approved by DSA, A/E of Record and Structural Engineer	by the School District and approved by DSA, A/E responsible for in-plant construction observation	by the Owner and approved by DSA, A/E of Record and Structural Engineer
Cost of the Project Inspector (Title 24, Part 1, Section 4-333(b)) and Testing/Special Agency (CAC, Section 4-335(b))	by the Owner	by the School District	

HOLLO-BOLT MANUFACTURER'S INSPECTION PROCEDURES

PERIODIC SPECIAL INSPECTION REQUIREMENTS

TO VERIFY CORRECT INSTALLATION INCLUDING USE IN SEISMIC OR WIND LOADING APPLICATIONS IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE SECTIONS 1705A 1, 1705A 2, AND 1704A.3 PLEASE REFER TO THE FOLLOWING INSTRUCTIONS

A. INSPECTION PRIOR TO INSTALLATION

- 1 ENSURE THAT THERE ARE NO GAPS BETWEEN THE CONNECTING STEELWORK 2 ENSURE THAT THE HOLES ARE ALIGNED AND THAT THE HOLES HAVE THE CORRECT DIAMETER AND SPACING FOR THE CHOSEN
- 3. THE HOLES MUST BE STANDARD DIAMETER HOLES CONFORMING TO AISC 360 WHERE THE HOLE DIAMETER MUST BE NO GREATER
- THAN THE SLEEVE OUTER DIAMETER +1/16". 4 BURRS IN THE HOLES MUST BE REMOVED BEFORE INSERTION OF THE HOLLO-BOLT

B. INSPECTION DURING INSTALLATION

- 1 ENSURE THAT THE HOLLO-BOLTS ARE INSTALLED AS PER LINDAPTER'S INSTALLATION INSTRUCTION SHEET
- ENSURE THAT THE TORQUE WRENCH(S) HAS A CURRENT VALID CALIBRATION CERTIFICATE AND IS CALIBRATED ON REGULAR BASIS 3 IF USING AIR POWERED WRENCHES TO TIGHTEN THE HOLLO-BOLT, CHECK THAT THE WRENCH IS SET CORRECTLY TO AVOID OVERTIGHTING THE FINAL TORQUE
- MUST BE CHECKED WITH A CALIBRATED TORQUE WRENCH WIGHT BE CHECKED WITH A CALIBRATED TORQUE WRENCH.

 4 IF AFTER TIGHTENING THERE IS A GAP EVIDENT BETWEEN THE HOLLO-BOLT AND THE CONTACT SURFACE OF THE CONNECTING ELEMENT THIS MAY INDICATE. INCORRECT INSTALLATION REMOVE AND DISCARD THE HOLLO-BOLT, REALIGN THE CONNECTING STEELWORK AND INSTALL A NEW HOLLO-BOLT AS PER
- LINDAPTER'S INSTALLATION INSTRUCTION SHEET 5 IF AFTER TIGHTENING THE BOLT HEAD CONTINUES TO TURN THIS MAY BE AN INDICATION OF OVER TIGHTENING, OR IF USING A STAINLESS STEEL HOLLO-BIOLT THIS MAY BE DUE TO GALLING*, REMOVE AND DISCARD THE HOLLO-BOLT AND INSTALL A NEW HOLLO-BOLT AS PER LINDAPTER'S INSTALLATION INSTRUCTION SHEET
- * 'GALLING' IS A TERM USED WHEN TWO SURFACES SEIZE UP AS A RESULT OF COLD WELDING AND IS COMMON WHEN TIGHTENING STAINLIESS STEEL BOLTS

C. INSPECTION AFTER INSTALLATION

- ENSURE THAT THERE ARE NO GAPS BETWEEN THE CONNECTING STEELWORK.
- ENSURE THAT THERE ARE NO GAPS BETWEEN THE HOLLO-BOLT AND THE CONTACT SURFACE OF THE CONNECTING ELEMENT.
- 3 CHECK THE TIGHTENING TORQUE OF BETWEEN 5-10% OF THE INSTALLED HOLLO-BOLTS CHOSEN AT RANDOM USING A CALIBRATED TORQUE WRENCH.

FOOTNOTES

(NOTES APPLY ONLY WHEN TESTS OR INSPECTIONS APPLY TO YOUR PC SUBMITTAL.)

- 1. WAIVER OF CONTINUOUS BATCH PLANT INSPECTION (PER CBC 1705A3.3.1):
- A. VERIFY THAT EITHER CONDITION a) OR b) ARE NOTED IN THE SPECIFICATIONS:
 - a) CONCRETE PLANT COMPLIES FULLY WITH ASTM C94, SECTION 9 AND 10, AND HAS A CURRENT CERTIFICATION FROM THE "NATIONAL READY MIXED CONCRETE ASSOCIATION" OR ANOTHER AGENCY ACCEPTABLE TO THE ENFORCEMENT AGENCY. THE CERTIFICATION SHALL INDICATE THAT THE PLANT HAS AUTOMATIC BATCHING AND RECORDING CAPABILITIES.
 - b) FOR SINGLE-STORY BUILDINGS, COMPRESSIVE STRENGTH: 3500 PSI SPECIFIED,
- B. DESIGN REQUIREMENTS c) THRU f) ARE MET:
 - c) AN APPROVED AGENCY OR CERTIFIED TECHNICIAN OF THE TEST LABORATORY SHALL CHECK THE FIRST BATCHING AT START OF WORK DAY AND FURNISH MIX PROPORTIONS TO LICENSED WEIGHMASTER.
 - d) LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
 - e) BATCH TICKETS, INCLDUING MATERIAL QUANTITIES AND WEIGHTS SHALL BE TRANSMITTED TO INSPECTOR OF RECORD.
- f) SUBMIT WEIGHMASTER AFFIDAVIT.
- 2. WAIVER OF CONTINUOUS BATCH PLANT INSPECTION NOT REQUIRED (PER CBC 1705A3.3.2):
- A. PLANT INSPECTION IS NOT REQUIRED FOR ANY OF THE FOLLOWING CONDITIONS:
 - b) UNENCLOSED SITE STRUCTURES, INCLUDING BUT NOT LIMITED TO LUNCH OR CAR SHELTERS, BLEACHERS, SOLAR STRUCTURES, FLAG OR LIGHT
 - POLES, OR RETAINING WALLS, c) CONTROLLED LOW-STRENGTH MATERIAL BACKFILL, OR
 - d) SINGLE-STORY RELOCATABLE BUILDINGS LESS THAN 2,160 SQUARE FEET.
- 3. TESTING IS WAIVED FOR ONE-STORY BUILDINGS IF MILL CERTIFICATE IS PROVIDED.
- 4. REQUIRED ONLY WHERE DETAILS SPECIFY THE USE OF THESE ATTACHMENTS.
- 5. INSPECTION OF VENEER DETAILED ON SHT. A7.0 MAY BE WAIVED BY DSA ON A SITE SPECIFIC BASIS. 6. THE APPENDIX TO DSA-103 SHALL BE COMPLETED BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
- 7. TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEET S5.1 HAVE A THICKNESS OF \$\frac{1}{16}\)" OR
- GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS. NONDESTRUCTIVE TESTING OF COMPLETE JOINT PENETRATION WELDS AT GRAVITY CONNECTIONS SHALL COMPLY WITH AISC 360, CHAPTER N, PER 2016 CBC 1705A.2.1.
- 8. EXAMPLE DSA-103 FORMS WILL BE USED AS GUIDE TO DEVELOP A SITE-SPECIFIC DSA-103 FORM FOR THE SITE-SPECIFIC PROJECT. EXAMPLE FORMS ON THE PC DRAWINGS WILL BE CROSSED OUT WHEN SITE-SPECIFIC DSA-103 FORMS ARE PROVIDED DURING OTC REVIEW. SEE DSA PR 07-01, ITEM 2 & 5. QUALIFIED REPRESENTATIVE OF LABORATORY OF RECORD OR APPROVED SPECIAL INSPECTOR SHALL VERIFY ALL STEEL IDENTIFICATION PER 2016 CBC 2203A.1.

				CO.	NSTRUCTIO)N F	RELOCA	1	
	TEST OR INSPECTION (as listed on DSA-103) ⁸	STO	CKPILE	1	ragm - Found	JN	CERTI	IFIED	IDENTIFICATION STAMP
	(A	В	С	D	Е	F	G	APP: 03-121484 INC:
		00 °	FTE ~	FLOOR LY - OOD DATION	OOR -	ETE 3- ETE FION	D	ETE	REVIEWED FOR SS FLS ACS ACS
	MATERIAL TYPE	WOOD FLOOR ONLY	CONCRET	WOOD FLOONLY ONLY WOOD FOUNDAT	WOOD FLOOR CONCRETE	CONCRE FLOOR CONCRE	WOOD -OUNDATION	CONCRETE	DATE: 08/11/2021
			ŭ	M	ον _Q Θ	ပ ပိပို	FO	٥ <u>۵</u>	INTELLECTUAL PROPERTY A PROCESS
SOILS		iii Air tana		The state of the s	· ·				INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
	1. GENERAL: a Verify that					1	Ī		AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL—PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. THESE DRAWINGS,
	Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations Foundation excavations extended to proper depth and have reached proper material				x	x		x	SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY
	Materials below footings are adequate to achieve the design bearing capacity COMPACTED FILLS:								NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY
	a Perform classification and testing of fill materials				X	X		X	INFORMATION FOR THE MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS
	b Verify use of proper materials, densities, and inspect lift thicknesses, placement and compaction during placement of fill c Test compaction of fill				X X	X X		X	PRE-CHECKED SET NAME
CONCRE									24'x40' THRU 120'x40'
	7. CAST IN PLACE CONCRETE - Lightweight over Metal Deck: a Verify use of required design mix					v T			STANDARD MODULAR
	b. Identify, sample, and test reinforcing steel. (3)		X X			X	1		BUILDINGS
	c During concrete placement, fabricate specimens for strength tests, performing slump, and air content tests, and determine the temperature of the concrete d Test concrete (f'c - compression)		X			X			
	e Batch plant inspection ^{(1),(2)} – design complies with 1705A 3 3		X			x			SITE SPECIFIC PROJECT NAME
,	f. Not Used h Welding of reinforcing steel		X			X			
	h Welding of reinforcing steel 7. CAST IN PLACE CONCRETE - Foundation:		X The state of the			*			
	a Verify use of required design mix				×	X		*	
	b Identify, sample, and test reinforcing steel ⁽³⁾ c During concrete placement, fabricate specimens for strength tests, performing slump, and air content tests, and determine the temperature of the concrete			_	* *	X X	_	_ *	SHEET TITLE
	d Test concrete (f _c - compression)				×	X		X	FORM
	e Batch plant inspection ^{(1),(2)} – design complies with 1705A.3 3 f. Not Used				X X	x x		x x	DSA-103
	h Welding of reinforcing steel	7 1 1 2 2 2			X	×		X	
	11. POST-INSTALLED ANCHORS ⁽⁴⁾ : a Inspect installation of post-installed anchors	<u> </u>		*** F. 7			×		MANUFACTURER PROFESSIONAL OF RECORD ON PC
B 10 -	b Test post-installed anchors	je,		×			×		CNSED ARCA
MASONR			Table 1			A THE STREET			CY PATRICK CHAPTER
	14. VENEER OR GLASS BLOCK ⁽⁵⁾ : a Verify proportions of site-prepared mortar and grout and/or verify certification of premixed mortar	X	x	x I	X	x			No C12631 ★
	b Inspect placement of units and construction of mortar joints	x	X	x	x	Х			Ren 3-31-19 Ren 3-31-19
	c Inspect placement of reinforcement, connectors, and anchors d Inspect type, size, and location of anchors and all other items to be embedded in masonry including details of anchorage of masonry to structural members, frames, and other construction	+	1		1			 	V CALI
	e Verify preparation, construction, and protection of masonry during cold weather (temperature below 40° F) or hot weather (above 90°)	x	\\\\ x	x	x	X		 	
CTT	f Test veneer bond strength	X	X	х	х	х		***************************************	,
	ALUMINUM 17. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES:	Marian Section 1988		The state of the s					
i	a Verify identification of all materials and	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					70,		
	Mill certificates indicate material properties that comply with requirements, Material sizes, types and grades comply with requirements b. Test unidentified materials.	X	X	x	X	X			THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD
	b Test unidentified materials c Examine seam welds of HSS shapes	X	X	x x	X	X X			PROJECT SPECIFIC STATE AGENCY APPROVAL
	e Verify and document steel fabrication per DSA approved construction documents 19. WELDING:	X	X	X	X	X	2,5		
1	a Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS	x	X	x	X	x			
	b Verify weld filler material manufacturer's certificate of compliance	x	x	x	x	X			
	c Verify WPS, welder qualifications and equipment 19.1 SHOP WELDING:	X	X	X	X	X			
	a Inspect groove, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	x	X	X	x	X		\$** \$ #	
	b Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds c Inspect welding of stairs and railing systems (only required where noted on \$10.0 & \$\frac{1}{2}\$\$ (only required where noted on \$10.0 \$\frac{1}{2}\$\$ (and \$\frac{1}{2}\$\$)	x	X	x x	X	Х			ORIGINAL PC STATE AGENCY APPROVAL
	d Verification of reinforcing steel weldability other than ASTM A706								IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
	e Inspect welding of reinforcing steel 19.2 FIELD WELDING:								PC 02-115700
	 a Inspect groove, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds (See foundation anchorage - S1 6 sheets) b Inspect single-pass fillet welds ≤ 5/16" (See foundation anchorage - S1.6 sheets) 				<u> </u>	X		*	DATE 8-31-2018
	c Inspect end-welded studs (ASTM A-108) installation (including bend test)					X			PRE-CHECK (PC) DOCUMENT
	d Inspect floor and roof deck welds e Inspect welding of structural cold-formed steel						+-		CODE 2016 CBC
	f Inspect welding of stairs and railing systems						1		A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
	g Verification of reinforcing steel weldability h Inspect welding of reinforcing steel						1		REVISIONS
	20. NONDESTRUCTIVE TESTING ⁽⁷⁾ : a Ultrasonic (Test per sheet S5 1)					# 150 - 150 P			<u>2</u>
	b Magnetic Particle (Test per sheet S5 1)	x	X	X X	x x	X X	100 to 10		<u>/3\</u>
	22. SPRAY APPLIED FIRE-PROOFING ⁽⁵⁾ : a Examine structural steel surface conditions, inspect application, take samples, measure thickness, and verify compliance of all aspects of application with DSA approved documents		(4)	1					DRAWN BY: .
	a Examine structural steel surface conditions, inspect application, take samples, measure thickness, and verify compliance of all aspects of application with DSA approved documents b Test bond strength								SCALE· AS NOTED DATE· .
	c Test density 23. ANCHOR BOLTS, ANCHOR RODS, & OTHER STEEL:								SHEET NUMBER
	a Anchor Bolts and Anchor Rods								
OTHER	b Threaded rod not used for foundation anchorage	<u> </u>		 					1)1
,	26. LOAD TEST FOR IDENTIFIED PRODUCT(S):								
	a. Column fire rating where specified per 20/A8.0 and tested per 1705A.15	X	X	х	X	5 X			

GENERAL REQUIREMENTS

- GENERAL
- A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
- B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF
- C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS, 2019 C.B.C. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE RDPRC.
- SCOPE OF WORK

D.S.A. AND THE ARCHITECT.

- A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
- B. ALL REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA, CODE OF REGULATIONS, RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
- 1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION TO BE PROVIDED BY THE RDPRC.
- 2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL
- 3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT. 4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
- 5. ADDENDUMS SHALL BE SIGNED BY THE RDPRC & APPROVED BY
- 6. CHANGES TO CONSTRUCTION DOCUMENT AFFECTING ACS, FLS & SSS SHALL BE SIGNED BY THE OWNER & THE RDPRC & APPROVED BY D.S.A. PRIOR TO COMMENCING WORK. CHANGES TO THE CONSTRUCTION COST ARE REPORTED TO D.S.A. USING FORM DSA-168 AT THE CONCLUSION OF THE PROJECT.
- 7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
- 8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
- 9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
- 10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
- 11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
- 12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
- 13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", SHEET N2.0. FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
- 14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQUIRED BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

SECTION 2 FOUNDATION

- ASSUMED ALLOWABLE SOIL BEARING:
- 1500 P.S.F. FOR CONCRETE FOUNDATIONS EMBEDDED 12" MINIMUM BELOW GRADE. (1/3 INCREASE IN SOIL BEARING CAPACITY NOT PERMITTED UNLESS USING ALTERNATIVE BASIC LOAD COMBINATIONS PER CBC SECTION 1605A.3.2)
- FOOTINGS SHALL BE LOCATED ON UNDISTURBED, FIRM, NATURAL SOIL OR APPROVED COMPACTED FILL.

NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 16-1, ISSUED BY DIVISION OF THE STATE ARCHITECT. FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

WORK NOT INCLUDED:

- A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
- CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM,

B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT

- INTERCOM SYSTEM, TV, TELEPHONE SYSTEM, UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER. WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- ACCESSIBILITY OF SITE: THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SECTION 3 CONCRETE

- CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-14.
- THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE AS FOLLOWS: FOUNDATIONS.. .3500 PSI (150 PCF)
 - FOUNDATION VENTS & ACCESS WELLS.. ..3000 PSI (150 PCF) SLABS-ON-GRADE. ..3000 PSI (150 PCF) ..3000 PSI (110 PCF) CONCRETE OVER METAL DECK..
- THE MAXIMUM WATER TO CEMENT (W/C) RATIO SHALL BE 0.55 FOR FOUNDATIONS AND 0.40-0.45 FOR CONCRETE OVER METAL DECK SLABS.
- CONCRETE SLUMP SHALL BE $4" \pm 1"$.
- CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II. A. FLY ASH SHALL CONFORM TO ASTM C618 CLASS 'F' OR 'N' AND SHALL NOT EXCEED 25% CEMENT REPLACEMENT BY WEIGHT.
- B. SLAG CEMENT SHALL CONFORM TO ASTM C989, GRADE 100 OR 120 AND SHALL NOT EXCEED 50% CEMENT REPLACEMENT BY WEIGHT. C. COMBINATION OF FLY ASH & SLAG CEMENT SHALL NOT EXCEED 50% CEMENT REPLACEMENT BY WEIGHT.
- **CONCRETE AGGREGATES:**
- NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C33. B. LIGHTWEIGHT AGGREGATE SHALL CONFORM TO ASTM C330. MAX AGGREGATE SIZE SHALL BE $1"\pm 1/4"$ FOR NORMAL WT. CONCRETE. D. MAX AGGREGATE SIZE SHALL BE 1/2" FOR LIGHT WT. CONCRETE.
- REINFORCING SHALL CONFORM TO ASTM A615-GRADE 60, UNLESS OTHERWISE NOTED.

CONCRETE continued

- 8. CONCRETE COVERAGE SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON DRAWINGS:
- CONCRETE DIRECTLY AGAINST GROUND (EXCEPT SLABS) CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS.
- SLABS (ON GROUND) ..POSITION IN CENTER OF SLAB 9. ALL BARS SHALL HAVE A CLASS B MINIMUM LAP SPLICE PER DETAILS 6 & 9/S1.4 AND SPLICES IN ADJACENT BARS SHALL BE STAGGERED, U.N.O.

10. REINFORCING BARS SHALL NOT BE WELDED UNLESS SPECIFICALLY DETAILED

- IN THE APPROVED DRAWINGS. BARS DETAILED TO BE WELDED SHALL BE ASTM A706 BARS AND WELDING ELECTRODES SHALL BE E80XX. WELDING SHALL CONFORM WITH AWS D1.4-11 AND SHALL BE CONTINUOUSLY
- 11. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND SHALL BE LAP SPLICED TWO SQUARES MINIMUM EACH DIRECTION.
- 12. NOTIFY THE RDPRC PRIOR TO PLACING CONCRETE
- 13. CHEMICAL ADMIXTURES SHALL CONFORM TO ASTM C494. 14. AIR-ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C260.

15. NON-SHRINK GROUT: ASTM C1107, 5000 PSI MIN AT 7 DAYS. **SECTION 5** STEEL

- GENERAL ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC 360-10, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS SECTION 2212A.1.2. AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
- A. FABRICATION AND ERECTION SHALL COMPLY WITH AISC 360-10 CHAPTER 'M' AND AISC 341-10 CHAPTER 'I'.
- WELDING ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, CCR, SECTIONS 1705A.2.5 WELDING ELECTRODE SHALL BE E70XX. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LBS
- AT ZERO DEGREES F AND COMPLYING WITH AWS D1.8-09. SECTION 6.3. . STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:
- A. WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A992, GRADE 50, TYP. U.N.O. B. STRUCTURAL STEEL CHANNELS SHALL CONFORM TO ASTM A36 (36 KSI) TYP. U.N.O. NOTE: ASTM A572 (50 KSI) MAY BE SUBSTITUTED
- FOR A36 (36 KSI). WHERE DRAWINGS SPECIFY 36 KSI MIN., CHANNELS MAY CONFORM TO EITHER ASTM A36 (36KSI) OR ASTM A572 (50 KSI). C. PIPE COLUMNS SHALL CONFORM TO ASTM A-53 WITH SULFUR
- CONTENT NOT EXCEEDING 0.05% TYP. U.N,O. D. STRUCTURAL STEEL TUBING (HSS) SHALL CONFORM TO ASTM A-500
- GRADE B OR C OR ASTM A1085, TYP. U.N.O. E. STEEL PLATES, ANGLES, BARS AND MISC. SHAPES SHALL CONFORM TO ASTM A36 (36 KSI) TYP. U.N.O. NOTE: ASTM A572 (50 KSI) MAY BE
- SUBSTITUTED FOR A36 (36 KSI). F. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
- ERECTION STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
- NAILS, BOLTS, SCREWS AND NUTS, ETC. FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED
- A. BOLTS FOR STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO ASTM A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR BOLTS THRU STEEL TO BE DRILLED, OR TORCHED PILOT HOLE AND REAMED TO DIAMETER IF BOLT +1/16" UNLESS OTHERWISE NOTED. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.
- B. SEE "FASTENERS FOR ATTACHMENT TO STEEL" ON SHEET N2.0 FOR SHOT PINS & SCREWS.
- HANDRAILS FABRICATED, AS DETAILED, NON-FILLET WELDS GROUND SMOOTH.
- SHOP PAINT A. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER. B. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO
- A. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER

TITLE-24 PART 2, CCR SECTION 1705A.2 & 2203A. **SECTION 6** CARPENTRY

APPLICATION OF SHOP COATS

SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.

2. <u>MATERIALS</u>

- LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULES NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU. OR "WESTERN LUMBER GRADING RULES", LATEST EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION. OSB OR PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-09 FOR SOFTWOOD OSB OR PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION, EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO. MOISTURE CONTENT
- SHALL NOT EXCEED 19%. A. JOISTS, HEADERS, PLATES STUDS: DOUGLAS FIR S4S #2 OR HEM FIR S4S #2 MIN. U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
- B. PSL HEADERS: TRUS JOIST PARALLAM PSL BY WEYERHAEUSER (ICC ESR-1387) OR EQUIV. MEETING THE FOLLOWING STRUCTURAL PROPERTIES:

BEAMS ≤ 7" DEEP & COLUMNS	BEAMS ≥ 9¼" DEEP
$F_b = 2400 \text{ PSI MIN.}$	$F_b = 2900 \text{ PSI MIN.}$
$F_v = 190 \text{ PSI MIN.}$	$F_v = 290 \text{ PSI MIN.}$
E = 1.8E6 PSI MIN.	E = 2.0E6 PSI MIN.

- C. POSTS AND TIMBERS: DOUGLAS FIR S4S #1 OR HEM FIR S4S #1 MIN.
- D. BLOCKING: DOUG FIR #3, OR HEM FIR #3, OR STD. & BET. E. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH: DOUG FIR #2 OR HEM FIR #2 MIN. PRESSURE TREATED IN ACCORDANCE WITH CBC 2304.12.1. EACH PIECE SHALL
- (OR H.F.) #2 ABOVE GROUND. F. MOISTURE BARRIER: KRAFT WATERPROOF BUILDING PAPER, OR 15 LB.

BEAR AWPA STAMP. AWPA STANDARD U1 & T1 GROUND CONTACT, D.F.

- FELT, CBC SECTION 1404.2. & ASTM D226, TYPE I. G. STUDS — S4S DOUG FIR #2 OR #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.
- H. FASTENERS FASTENERS SHALL BE CORROSION RESISTANT PER C.B.C. 2304.10.1.1 COMMON NAILS PER ASTM F1667 FOR EXTERIOR SIDING & FOUNDATION ONLY.
- I. BUILDING TRIM 2x RESAWN SELECT D.F., H.F., OR CEDAR.
- J. DOOR/WINDOW TRIM 1x4 RESAWN D.F., H.F., OR CEDAR. K. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
- L. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 718.2 M. ALL NAILS SHALL BE COMMON NAILS PER ASTM F1667 UNLESS
- OTHERWISE NOTED. N. ALL CUT ENDS & HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
- O. ALL BOLTS & LAG SCREWS SHALL COMPLY WITH THE 2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI\AWC NDS-2015).

CARPENTRY continued

- P. HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16"
- Q. HOLES FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME NOMINAL DIAMETER AND DEPTH AS THE SHANK. THE REMAINDER OF THE HOLE SHALL BE NO LARGER THAN THE ROOT OF THE THREAD.
- R. ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS UNDER HEADS AND NUTS WHICH BEAR ON WOOD.
- A. FRAMING SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
- B. NAILING IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE TABLE 2304.10.1.
- EXTERIOR WALLS FACTORY FABRICATED, CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS. AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
- D. NAILS INTO P.T. LUMBER TO BE HOT DIPPED GALVANIZED. E. MACHINE APPLIED NAILING: USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE RDPRC AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" OSB. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD
- BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY. F. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS.
- SHEATHING APPLIED OVER MOISTURE BARRIER. G. TRIM SEALED AT ALL EDGES, SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7A SHEET METAL (NON-STRUCTURAL)

SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.

. <u>MATERIALS</u>

- A. <u>SHEET METAL</u> STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A653 MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- B. SOLDER OF STAND, GRADE "A" OF EQUAL PARTS, ARD BRAND, LEAD AND TIN ASTM B32.
- C. FLUX ZINC SATURATED MURIATIC ACID.
- D. GUTTERS: 26 GA. G-90 GALV. STEEL 2"x3" CONVOLUTED 30 GA. G-90 GALV. STEEL DOWNSPOUTS: GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL GUTTER CLIPS: 18 GA. G-90 GALV. STEEL
- SELF-DRILLING OR SELF-TAPPING SHEET METAL SCREWS.

LENGTH TO HAVE (3) EXPOSED THREADS MIN.

SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7B METAL ROOFING

SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING.

2. MATERIALS

- A. ROOF: 3 INCH STANDING SEAM, MINIMUM 20-GAUGE G-90 GALV. INTERLOCKING (UN-PENETRATED) SHEET STEEL PANELS (G90). ALTERNATE: 26 GAUGE WHEN INSTALLED OVER PLYWOOD SHEATHING.
- B. CLASS B FIRE RATING.
- C. FASTENERS SHALL BE HOT-DIPPED GALVANIZED.

SECTION 7C **SEALANT**

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
- <u>MATERIALS</u> VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
- A. SEALANT V.O.C. LIMITS PER SCAQMD RULE 1168 (AS SHOWN IN TITLE 24, PART 11, TABLE 5.504.4.1 AND TABLE 5.504.4.2)
- SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON

DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE

SECTION 7D SINGLE-PLY / BUILT-UP ROOFING

. <u>SCOPE OF WORK</u>

WITH MANUFACTURER'S SPECIFICATIONS.

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO INSTALL SINGLY-PLY OR BUILT-UP ROOFING. THE ROOFING SYSTEM SHALL WITHSTAND THE UPLIFT OF 110 MPH ULTIMATE WIND SPEED.
- **MATERIALS** MEMBRANE: PVC FILM LAMINATED TO BOTH SIDES OF A REINFORCEMENT FABRIC, OR EQUIV. — PROPRIETARY THERMOPLASTIC PVC FORMULATION OF RESINS, PLASTICIZERS, STABILIZERS, BIOCIDES, FLAME RETARDANTS, AND U.V. ABSORBENTS. CLASS B FIRE RATING.
- A. WOOD NAILERS MUST BE A #2 GRADE LUMBER, OR EQUIVALENT, TO SUBSTRATE.

WORKMANSHIP MEMBRANE APPLIED ON SUBSTRATES THAT ARE DRY, CLEAN, AND FREE OF FINS, SHARP EDGES AND LOOSE, FOREIGN MATERIALS, WHEREVER INDICATED ON DETAILS. AN INSULATION OR SLIP SHEET HAVING AN APPROVED FACER MUST BE USED WHEN ROOFING OVER ASPHALT OR COAL TAR ROOFS.

- 4. <u>TESTING:</u> A. MEMBRANE SHALL BE DESIGNED TO PERFORM IN ALL TYPES OF WEATHER AND SHALL COMPLY TO ASTM D-2136 TESTING METHODS.
- MEMBRANE SHALL BE DESIGNED IN ACCORDANCE TO ASTM D-4434 "STANDARD SPECIFICATIONS FOR POLY (VINYL CHLORIDE) SHEET ROOFING" AND BE CLASSIFIED AS A TYPE IV, INTERNALLY REINFORCED SHEET.

SECTION 8 HOLLOW METAL DOORS AND FRAMES

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
- 2. MATERIALS
- A. DOORS INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 18 GA. 1-3/4" THICK PER CS242 MIN, REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN
- B. FRAMES 16 GA COLD ROLLED, 2" FACES, CS242 MIN. 3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR, EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
- WORKMANSHIP
- ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION, DOORS AND FRAMES CLEANED THOROUGHLY, ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

(EXTERIOR PORTLAND SECTION 9A STUCCO CEMENT PLASTER)

LATHING AND PLASTERING MATERIALS AND ACCESSORIES SHALL BE MARKED BY THE MANUFACTURER'S DESIGNATION TO INDICATE COMPLIANCE WITH THE APPROPRIATE STANDARDS REFERENCED IN THIS SECTION AND STORED IN SUCH A MANNER TO PROTECT THEM FROM THE WEATHER, PER C.B.C 2507.1.

LATHING AND PLASTERING MATERIALS SHALL CONFORM TO THE STANDARDS LISTED IN C.B.C. TABLE 2507.2 AND CHAPTER 35, AND, WHERE REQUIRED FOR FIRE PROTECTION, SHALL ALSO CONFORM TO THE PROVISIONS OF CHAPTER 7.

GYPSUM BOARD AND GYPSUM PLASTER CONSTRUCTION SHALL BE OF THE MATERIALS LISTED IN C.B.C. TABLES 2506.2 AND 2507.2. THESE MATERIALS SHALL BE ASSEMBLED AND INSTALLED IN COMPLIANCE WITH THE APPROPRIATE STANDARDS LISTED IN TABLES 2508.1 AND 2511.1, AND CHAPTER 35 (PER 2508.1).

2510.6 WATER-RESISTIVE BARRIERS. WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED IN SECTION 1404.2, AND WHERE APPLIED OVER WOOD-BASED SHEATHING, SHALL INCLUDE A WATER-RESISTIVE VAPOR-PERMEABLE BARRIER WITH A PERFORMANCE AT LEAST EQUIVALENT TO TWO LAYERS OF GRADE D PAPER.

EXCEPTION: WHERE THE WATER-RESISTIVE BARRIER THAT IS APPLIED OVER WOOD-BASED SHEATHING HAS A WATER RESISTANCE EQUAL TO OR GREATER THAN THAT 60-MINUTE GRADE D PAPER COMPLYING WITH ASTM E 2556, TYPE II AND IS SEPARATED FROM THE STUCCO BY AN INTERVENING, SUBSTANTIALLY NONWATER-ABSORBING LAYER OR DRAINAGE SPACE.

- PLASTER NOTES: PLASTERING WITH CEMENT PLASTER SHALL NOT BE LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH AND SHALL NOT BE LESS THAN TWO COATS WHEN APPLIED OVER MASONRY CONCRETE OR GYPSUM BACKING AS SPECIFIED IN SECTION 2510.5.
- A. THE FIRST COAT SHALL BE MIN. 3/8" THICK & APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO FILL SOLIDLY ALL OPENINGS IN THE LATH. THE SURFACE SHALL BE SCORED HORIZONTALLY SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND TO RECEIVE THE
- B. THE SECOND COAT SHALL BEBE BROUGHT OUT TO MIN. 3/8" THICKNESS, RODDED AND FLOATED SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND FOR THE FINISH COAT. THE SECOND COAT SHALL HAVE NO VARIATION GREATER TO THAN 1/4 INCH (6.4 mm) IN ANY
- DIRECTION UNDER 5-FOOT STRAIGHT EDGE. C. THE FINISH COATS SHALL BE MIN. 1/8" THICK & APPLIED OVER BASE COATS THAT HAVE BEEN IN PLACE FOR THE TIME PERIODS SET FORTH IN ASTM C 926. THE THIRD OR FINISH COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO BOND TO AND TO COVER THE BROWN COAT AND SHALL BE OF SUFFICIENT THICKNESS TO

SECTION 9B PAINTS & COATINGS

CONCEAL THE BROWN COAT.

- SCOPE OF WORK. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND
- ROOFING. 2. MATERIALS

Α.	FOR EXTERIOR	OR WOOD:			
	REF.BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
		EDWARDS	MOORE	WILLIAMS	
	PRIMER	42-9M	1240	Y24W20	289-N
	FINISH	QD-60-XX	1240-XXX	B54WZ102	GE2-NXX
В.	FOR INTERIC	R TRIM:			
	REF.BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
		EDWARDS	MOORE	WILLIAMS	
	FINISH	W450-XX	1650-XXX	A26W11	40XX
C.	FOR METAL:				
	REF.BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
		EDWARDS	MOORE	WILLIAMS	
	PRIMER	43-4	1710	B50NZ6	15N

D. INTERIOR PAINT & COATINGS SHALL COMPLY WITH TITLE 24, PART 11, "CAL-GREEN" SECTION 5.504.4.3, AND V.O.C. LIMITS PER TABLE

1700-XXX

B54WZ102 GE2-NXX

5.504.4.3.

GRADE SPECIFIED OR EQUAL.

- ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS AND METAL ROOFING. MATERIAL SHALL BE OF THE
- A. EXTERIOR WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX. APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR. AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL
- B. INTERIOR TRIM TRIM NOT PRE-COATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.

BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.

- C. INTERIOR HARDWOOD CABINETS TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
- D. METAL ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
- E. RAMP ONE COAT OF FERROX NON-SLIP (0.8 MIN. C.O.F.) SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST, OR EQUAL.

F. SUBMIT ONE SET OF COLOR SAMPLES TO THE RDPRC FOR EACH

PRODUCT TO ASSIST IN SELECTION.

SECTION 9C INTERIOR AIR QUALITY CONTROL

- THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"):
- ADHESIVES, SEALANTS, CAULKS SECTION 5.504.4.1 SECTION 5.504.4.3 PAINTS. COATINGS AEROSOL PAINTS & COATINGS SECTION 5.504.4.3.1
- 1. CARPET SYSTEMS SECTION 5.504.4.4 A. CARPET SHALL MEET CRI'S "GREEN LABEL PLUS" PROGRAM, NSF/ANSI '140 GOLD' LEVEL, OR OTHER APPROVED TESTING PER 5.504.4.4.
- SECTION 5.504.4.4.1 CARPET CUSHION OR PAD A. CUSHION/PAD SHALL MEET THE CRI'S "GREEN LABEL" PROGRAM.
- 6. CARPET ADHESIVE SECTION 5.504.4.4.2 A. ADHESIVES SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1.
- COMPOSITE WOOD PRODUCTS SECTION 5.504.4.5 A. ALL COMPOSITE WOODS MUST NOT EXCEED THE FORMALDEHYDE LIMITS AS SPECIFIED IN ARB'S "AIR TOXICS CONTROL MEASURE" (17 CCR 93120), OR NON-EXEMPT MATERIALS PER TABLE 5.504.4.5.
- RESILIENT FLOORING SYSTEMS SECTION 5.504.4.6 A. RESILIENT FLOORING SHALL BE CERTIFIED UNDER THE "FLOORSCORE PROGRAM BY RFCI, COMPLY WITH CA-CHPS, OR OTHER APPROVED
- TESTING PER 5.504.4.6. 9. HVAC FILTER (MERV RATING OF 8+) SECTION 5.504.5.3.1 A. SEE SHEET M1.7 FOR HVAC FILTER REQUIREMENTS

SECTION 13 SITE ASSEMBLY

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ASSEMBLY OF ELEMENTS
- A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT, (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
- B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
- C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER

LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS. **AIR CONDITIONING** SECTION 23

- SCOPE OF WORK (SEE SHEET M1.7 FOR HVAC SPEC. AND NOTES) CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
- SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.

ELECTRICAL

- UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMEN AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE
- WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT, EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVACS). B. PROVIDE CONDUIT WITH PULL STRINGS AND JUNCTION BOXES FOR
- AUTOMATIC DETECTION FIRE ALARM SYSTEM AND NOTIFICATION PER

SECTION 26

- MATERIALS ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE
- A. ELECTRIC METALLIC TUBING COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX-GALV. STEEL WITH

AND NATIONAL FIRE PROTECTION ASSOCIATION.

- FACTORY APPLIED P.V.C. JACKET.
- B. PANEL BOARDS FLUSH MOUNTED. C. CONDUCTORS - COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR

D. RECEPTACLES - AS NOTED. +18" A.F.F. MIN. TO BOTTOM OF BOX

- SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE-#14.
- E. CLOCK RECEPTACLE AS NOTED.
- F. SWITCHES AS NOTED. +48" A.F.F. MAX. TO TOP OF BOX

(FLEXIBLE CONDUIT S-BEND SEALTITE).

- G. LIGHTING FIXTURES AS NOTED ON THE DRAWINGS.
 - WORKMANSHIP MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT, WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANEL BOARD CARDS SHALL BE FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION. BUILDING CONDUIT/WIRING FROM FACE OF BUILDING TO SITE TERMINATION BY SITE CONTRACTOR (N.I.C.).

INSPECTION

(FORM DSA 152-IPI).

FUNCTIONS:

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE

IN-PLANT INSPECTION. 2. ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN-PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER

THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE OF OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE, BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY. OR FROM THE STORAGE FACILITY TO THE SITE. THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT

A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/11/2021

MODULAR MANUFACTURER PROPRIETARY STATEMENT

THESE DRAWINGS AND THE MATERIAL CONTAINED THERE-IN ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS INC. (AMS) AND SHALL NOT BE REPRODUCED, COPIED O OTHÈRWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF AMS. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH AMS SHALL BE THE SOLE

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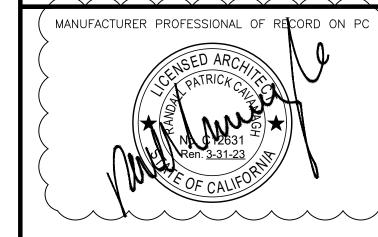
PRE-CHECKED SET NAME

24'x40' THRU 120'x40' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

VENTURA COUNTY MOORPARK ROAD (1) 24'x40' BUILDING

GENERAL NOTES SPECIFICATIONS



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION

UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC02-115700

REVISIONS AA/KA DRAWN BY:

AS NOTED

07/12/21

SHEET NUMBER

COORDINATION OF WORK

THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT, IF NECESSARY. THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF ANY MODULE. ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

- ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.
- ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED. UNLESS OTHERWISE SPECIFIED. SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE RDPRC THAT SUCH IS THE CASE.
- CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE
- WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS

- UP TO <u>TEN</u> (10) MODULES, APPROXIMATELY 12' x 40', DESIGNED SO THAT TWO (2) OR MORE MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE, TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF, AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.
- EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH (2) IMPRINTED (STAMPED, NOT ENGRAVED) METAL IDENTIFICATION TAGS 3"x1-1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:
- A. MANUFACTURER'S NAME AND BUILDING SERIAL NUMBER.
- B. DESIGN WIND SPEED / EXPOSURE
- C. DESIGN SEISMIC SDS VALUE D. DESIGN ROOF LIVE LOAD & SNOW LOAD
- E. DESIGN FLOOR LIVE LOAD
- F. D.S.A. APPLICATION NUMBER
- 3. 2-TAGS PER MODULE: ONE ON EXTERIOR, AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.
- 4. EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAI INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.
- EACH MODULE-SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE RDPRC, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.
- FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

BUILDING COMMISSIONING REQUIREMENTS

SITE-SPECIFIC BUILDINGS OVER 10,000 SQUARE FEET MUST BE COMMISSIONED PER CALIF. TITLE 24, PART 6 - CALIFORNIA ENERGY CODE

SUMMARY OF COMMISSIONING REQUIREMENTS

- OWNER'S OR OWNER REPRESENTATIVE'S PROJECT REQUIREMENTS BASIS OF DESIGN
- DESIGN PHASE DESIGN REVIEW COMMISSIONING MEASURES SHOWN IN THE CONSTRUCTION DOCUMENTS
- COMMISSIONING PLAN
- FUNCTIONAL PERFORMANCE TESTING
- DOCUMENTATION AND TRAINING COMMISSIONING REPORT
- COMMISSIONING IS NOT A PART OF THE PC APPROVAL.
- C. COMMISSIONING, WHEN REQUIRED, SHALL BE PROVIDED BY OTHERS.

MARKERBOARD SPECIFICATIONS

MARKERBOARDS SHALL BE 24 GA. PORCELAIN STEEL FACING SHEET SUITABLE TO ACCEPT DRY ERASE FELT MARKERS. THE FACING SHEET SHALL BE LAMINATED TO PARTICLE BOARD SUBSTRATE WITH A MINIMUM DENSITY OF 45lbs./cu.ft. THE PANEL SHALL HAVE A FOIL BACKING. THE PANELS SHALL HAVE EXTRUDED ALUMINUM MOLDING AND CHALKRAIL WITH A MINIMUM OF 2 15/16" PROJECTION FROM THE FACE OF PANEL. THREE MAP HOOKS WITH CLIPS PER PANEL SHALL BE PROVIDED. ONE FLAG HOLDER, 1/2" SIZE, SHALL BE PROVIDED FOR EACH CLASSROOM. EACH CLASSROOM SHALL HAVE 2 EACH 4'x8' PANELS INSTALLED SIDE BY SIDE TO MAKE A 4'x16' PANEL, CENTERED ON THE WALL.

FOR ANCHORAGE DETAIL, SEE DETAIL 8/A4.0.

REFERENCE BRANDS: CHATFIELD-CLARKE Co, Inc. SERIES 500 OR NELSON ADAMS Co. NACO SERIES 60.

INTERIOR

- FLOOR COVERING: PER CBC SECTION 804, COMPLY WITH NFPA 253 CLASS I OR II. COMPLY WITH ASTM E 648 FOR SPECIFIC OPTICAL DENSITY SMOKE RATING NOT TO EXCEED 450. IN EXIT PASSAGEWAYS OR CORRIDORS. THE MINIMUM CRITICAL RADIANT FLUX (CBC 804.4.2) SHALL NOT BE LESS THAN CLASS II. (CARPET SHALL BE SECURELY ATTACHED, HAVE FIRM CUSHION, PAD OR BACKING, OR NONE AT ALL. PILE YARN SHALL BE BRANDED NYLON AND HAVE A LEVEL LOOP, TEXTURED LOOP. LEVEL-CUT PILE OR LEVEL-CUT/UNCUT PILE TEXTURE. THE MAXIMUM PILE HEIGHT SHALL BE 1/2" INCH. NO CROSS SEAMS SHALL BE ALLOWED. THE CARPET DENSITY SHALL BE 4600 MINIMUM. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 11B-303. COLOR TO BE SELECTED BY THE RDPRC
- BASE: RESILIENT COVE BASE BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH MOULDED TOP SET COVE, PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. SOLID COLOR AS MANUFACTURE BY "JOHNSONITE CO.". FLEXCO, OR EQUAL. APPLY COVE TO COMPLETE PERIMETER OF
- INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD (U.O.N.) APPLIED IN ONE CONTINUOUS LENGTH FROM FLOOR TO CEILING. THE TACKBOARD SHALL BE INDUSTRIAL INSULATION BOARD MANUFACTURED SPECIFICALLY AS A SUBSTITUTE FOR VINYL COVERED WALL PANELS. THE BOARD SHALL BE ASPHALT FREE, SHALL HAVE AN IRONED-ON COATING AND SHALL HAVE MINIMUM DENSITY OF 18 LBS. PER FOOT. THE VINYL COATING SHALL BE MADE OF VIRGIN VINYL CALENDERED BASE COLOR, WEIGHING A MINIMUM OF 8 OZ. PER SQUARE YARD. THE COATING BACKING SHALL BE SHEETING OR NON-WOVEN FABRIC. THE VINYL COATING SHALL BE MECHANICALLY LAMINATED, WITH THE LONG EDGES WRAPPED, TO THE TACKBOARD. TACKBOARD SHALL BE APPLIED OVER 1/2" SHEETROCK OR OSB SHEATHING. THE VINYL WALL COVERED PANEL SHALL HAVE A CLASS 'C' RATING (PER ASTM E 84 OR UL 723). FLAME SPREAD/SMOKE DEVELOPED INDEX MAXIMUMS PER NOTE #6 BELOW. THE PANEL SHALL BE APPROVED FOR CLASSROOM USE BY THE CALIFORNIA STATE FIRE MARSHAL. REFERENCE BRAND: VINYL COVERED TACKBOARD AS MANUFACTURED BY CHATFIELD-CLARKE OR COMPARABLE, CARE SHALL BE TAKEN IN MOUNTING THE TACKBOARD SO THAT THE TEXTURE OF ALL PANELS WILL HAVE THE SAME ORIENTATION AND COLOR MATCH.
- CEILING: SUSPENDED T-BAR SYSTEM, SEE SHEET M1.4 FOR DETAILS, MATERIALS AND INSTALLATION PER ASTM C635, ASTM C636, ASTM E580. AND DSA-IR 25-2.13 AS APPLICABLE TO CLASSROOMS. PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LÁY-IN PANELS, SQUARE EDGE, LIGHT REFLECTION 75% MINIMUM. NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. ASTM E 84 TESTED, RATED CLASS 'C': FLAME SPREAD INDEX NOT TO EXCEED 200, SMOKE DEVELOPED INDEX RATING NOT TO EXCEED 450.
- THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"), SECTION 5.504.4. (SEE SHEET N1.0, SECTION 9C "INTÉRIOR AIR QUALITY CONTROL")
- FLAME SPREAD/SMOKE-DEVELOPED INDEX (TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723, PER CBC 803.1.1):

PIPE INSULATION (CLASS 'A')

DUCT INSULATION (CLASS 'A')

SMOKE DEVELOPED MAX = 50

FLAME SPREAD MAX = 25

FLAME SPREAD MAX = 25

<u> WALL FINISH MATERIAL (CLASS 'C')</u> FLAME SPREAD MAX = 200

SMOKE DEVELOPED MAX = 450SMOKE DEVELOPED MAX = 450

BUILDING INSULATION (CLASS 'A') FLAME SPREAD MAX = 25 SMOKE DEVELOPED MAX = 450

- TOILET PARTITIONS: SOLID PLASTIC BY ACCURATE PARTITIONS CORP OR EQUIVALENT w/ FLOOR ANCHORS, OVERHEAD BRACED OR EQUIVALENT MINIMUM FLAME SPREAD RATING: 50. MINIMUM SMOKE DEVELOPMENT RATING: 450. (BY OTHERS)
- 8. INTERIOR VENTILATION: EAVE VENTS AND ATTIC VENTS SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH. PERFORATED VINYL OR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAS DIMENSION OF NOT LESS THAN 1/16" AND NOT MORE THAN 1/4" INCH, PER C.B.C SECTION 1203.2.1.

DOORS & WINDOWS

- EXTERIOR DOORS: METAL DOORS 3'-0"x7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE II STEEL ASSEMBLED PER CS242 MINIMUM, AND REINFORCED WITH 20 GA. MINIMUM, FILL DOOR SPACES WITH MINERAL WOOL OR OTHER INSULATION. (REINFORCE BOTH FACES FOR CLOSURE.) PROVIDE FLUSH TOP ON DOOR'S, HARDWARE REINFORCEMENT SHALL BE 10 GA. MIN FOR HINGES, DOOR FRAME SHALL BE 16 GA. PRESSED STEEL FRAME ASTM A366 & C5242. HARDWARE REINFORCEMENT SHALL BE 10 GA. PLATE. FRAMES SHALL BE DESIGNED WITH INTEGRAL STOP AND TRIM. PROVIDE (3) ANCHORS PER JAMB PLUS ADJUSTABLE FLOOR ANCHOR. ROOMS WITH AN OCCUPANT LOAD OF FIVE OR MORE SHALL HAVE DOOR HARDWARE CAPABLE OF BEING LOCKED FROM THE INSIDE (PER CBC 1010.1.11).
- 2. EXTERIOR WINDOWS: PROVIDE ANODIZED ALUMINUM FRAME 5/8" MINIMUM DUAL PANE WINDOW UNITS, AS SHOWN ON FLOOR PLANS. THE 5/8" DIMENSION IS THE MINIMUM THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING OF TWO LITES OF GLASS AND THE AIR SPACE.
- GLAZING MATERIAL SHALL BE: EXTERIOR LITE 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS - 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM. INTERIOR LITE — 1/8" MINIMUM CLEAR TEMPERED. MINIMUM AIR SPACE SHALL BE 1/4" SPACE — BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL SEALER - BUTYL PRIMARY SEAL AND POLYSULFIDE OR SILICONE SECONDARY SEAL. CERTIFICATION - ALL GLAZING TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-774.
- 4. HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR OSB SURFACE. ALL WINDOWS SHALL MEET THE AAMA GS101-88 VOLUNTARY SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANS1), COMMERCIAL GRADE.

MECHANICAL EQUIPMENT PROTECTION

ALL MECHANICAL EQUIPMENT SHALL BE THOROUGLY CLEANED PROGRESSIVELY DURING CONSTRUCTION AND COMPLETION OF THE JOB. ALL OPEN ENDS OF DUCTWORK AND EQUIPMENT SHALL BE COVERED AT END OF EACH WORK DAY AND DURING SHIPMENT OF RELOCATABLE BUILDINGS

FOUNDATION CLEARANCES FROM SLOPES

1808A.7.1 BUILDING CLEARANCE FROM ASCENDING SLOPES. IN GENERAL, BUILDINGS BELOW SLOPES SHALL BE SET A SUFFICIENT DISTANCE FROM THE SLOPE TO PROVIDE PROTECTION FROM SLOPE DRAINAGE, EROSION AND SHALLOW FAILURES. EXCEPT AS PROVIDED IN SECTION 1808A.7.5 AND FIGURE 1808A.7.1, THE FOLLOWING CRITERIA WILL BE ASSUMED TO PROVIDE HIS PROTECTION. WHERE THE EXISTING SLOPE IS STEEPER THAN ONE UNIT VERTICAL IN ONE UNIT HORIZONTAL (100-PERCENT SLOPE), THE TOE OF THE SLOPE SHALL BE ASSUMED TO BE AT THE INTERSECTION OF A HORIZONTAL PLANE DRAWN FORM THE TOP OF THE FOUNDATION AND A PLANE DRAWN TANGENT TO THE SLOPE AT AN ANGLE OF 45 DEGREES (0.79 RAD) TO THE HORIZONTAL WHERE A RETAINING WALL IS CONSTRUCTED AT THE TOE OF THE SLOPE, THE HEIGHT OF THE SLOPE SHALL BE MEASURED FROM THE TOP OF THE WALL TO THE TOP OF THE $^{\circ}$ SLOPE.

1808A.7.2 FOUNDATION SETBACK FROM DESCENDING SLOPE SURFACE. FOUNDATIONS ON OR ADJACENT TO SLOPE SURFACES SHALL BE FOUNDED IN FIRM MATERIAL WITH AN EMBEDMENT AND SET BACK FROM THE SLOPE SURFACE SUFFICIENT TO PROVIDE VERTICAL AND LATERAL SUPPORT FOR THE FOUNDATION WITHOUT DETRIMENTAL SETTLEMENT. EXCEPT AS PROVIDED FOR IN SECTION 1808A.7.5 AND FIGURE 1808A.7.1, THE FOLLOWING SETBACK IS DEEMED ADEQUATE TO MEET THE CRITERIA. WHERE THE SLOPE IS STEEPER THAN UNIT VERTICAL IN 1 UNIT HORIZONTAL 100-PERCENT SLOPE), THE REQUIRED SETBACK SHALL BE MEASURED FROM AN IMAGINARY PLANE 45 DEGREES (0.79 RAD) TO THE HORIZONTAL, PROJECTED UPWARD FROM THE TOE OF THE SLOPE.

FIRE EXTINGUISHER

EACH CLASSROOM SHALL BE EQUIPPED WITH PRESSURE TYPE FIRE EXTINGUISHERS WITH 2A10BC UL RATING. MOUNT ON THE INTERIOR WALL OF THE BUILDING NEAR THE DOORWAY(S) AT A MAXIMUM HEIGHT OF 4 FEET TO THE TOP OF THE OPERATING HANDLE. AND THE BOTTOM OF F.E. MOUNTED 27" OR LESS A.F.F. FIRE EXTINGUISHERS SHALL BE TOTALLY CHARGED AND HAVE A DIAL INDICATING THE STATE OF CHARGE.

ACCESSIBILITY STANDARDS

REFERENCE: 2016 CALIFORNIA BUILDING CODE (TITLE 24, PART 2, CCR), CHAPTER 11B "ACCESSIBILITY TO PUBLIC...

SECTION 11B-206.2 BUILDING ACCESSIBILITY, GENERAL 1. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ALL BUILDINGS, ELEMENTS, AND AREAS, AND EACH FLOOR INCLUDING MEZZANINES.

SECTION 11B-216 SIGNAGE

- (ALSO REFER TO SECTIONS 11B-703, 1009.9, 1009.10, 1023.9) SIGNAGE IS REQUIRED:
- TO IDENTIFY PERMANENT ROOMS & SPACES
- TO PROVIDE DIRECTIONS AND INFORMATION ABOUT SPACES & FACILITIES 3. TO IDENTIFY MEANS OF EGRESS
- A. AREAS OF REFUGE AND AREA FOR ASSISTED RESCUE (PER 1009.9 AND 1009.11)
- B. DIRECTIONS TO AN EXIT (PER 1009.10)
- C. DELAYED EGRESS LOCKS (PER 1010.1.9.7 ITEM 6) D. EXIT WAYS (PER 1013.4)
- AT EACH GRADE LEVEL EXTERIOR EXIT DOOR AT AN EXIT BY MEANS OF A STAIRWAY OR RAMP ("EXIT STAIR
- DOWN" OR "EXIT RAMP DOWN") AT AN EXIT ROUTE VIA ENCLOSURE, PASSAGEWAY, CORRIDOR,
- HALLWAY, ETC. OTHER HORIZONTAL WAYS WHERE THE EXIT OR EXIT PATH IS NOT
- IMMEDIATELY VISIBLE (PER 1013.1) 4. TO IDENTIFY PARKING SPACES
- 5. TO IDENTIFY ENTRANCES OR ROUTE TO AN ACCESSIBLE ENTRANCE 6. TO IDENTIFY ELEVATORS
- TO IDENTIFY TOILET ROOMS
- 8. TO IDENTIFY PUBLIC TELEPHONES, TTY and ASSISTIVE LISTENING SYSTEMS

SIGNS. WHERE LOCATED WITHIN AN ACCESSIBLE ROUTE, MOUNTED LESS THAN 80" ABOVE THE FINISHED FLOOR, MUST HAVE ROUNDED EDGES OR AN EASED RADIUS MINIMUM OF 0.125".

SECTION 11B-404.2.8 DOOR CLOSING SPEED THE SWEEP PERIOD OF ACCESSIBLE DOORS SHALL BE 5 SECONDS MINIMUM, FROM AN OPEN DOOR POSITION OF 90 DEGREES, TO A DOOR POSITION OF 12" FROM THE LATCH.

SECTION 11B-404.2.9 DOOR OPENING FORCE THE EFFORT TO OPEN ANY DOOR SHALL NOT EXCEED 5LBS, EXCEPT FIRE DOORS, WHICH SHALL NOT EXCEED 15LBS FORCE. THE MINIMUM FORCE NEEDED SHALL BE USED.

SECTIONS 11B-404.2.4.3 RECESSED DOORS

 DOORS RECESSED 8" OR MORE SHALL HAVE STRIKE FDGE CLEARANCES IN ACCORDANCE WITH FIGURE 11B-404.2.4.3.

SECTION 11B-405.5 RAMP WIDTH 1. THE CLEAR WIDTH OF A RAMP SHALL BE 48" MINIMUM.

- THE TOP OF THE GRIPPING SURFACE OF HANDRAILS SHALL BE BETWEEN 34" AND 38", MEASURED VERTICALLY FROM WALKING SURFACES AND STAIR NOSINGS.
- HANDRAILS SHALL HAVE AT LEAST 1-1/2" CLEARANCE ALL AROUND. HANDRAILS SHALL EXTEND BEYOND, AND IN THE SAME DIRECTION, OF STAIRS AND RAMPS.

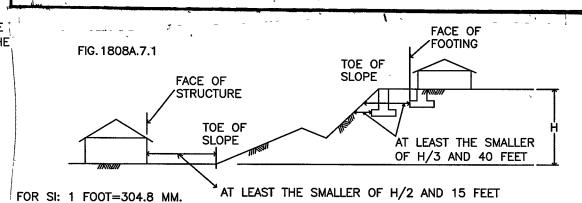
SECTION 11B-608.5 WATER CONTROLS

- CONTROLS TO OPERATE A WATER FAUCET OR OUTLET SHALL BE A SINGLE-LEVER DESIGN, CAPABLE OF BEING OPERATED WITH A SINGLE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING
- OF THE WRIST. THE FORCE REQUIRED TO OPERATE CONTROLS SHALL NOT EXCEED 5 LBS.

- SECTION 11B-604 TOILET ROOMS AND BATHING ROOMS AN ACCESSIBLE TOILET STALL SHALL HAVE A MINIMUM WIDTH OF 60" AND SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE. WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES
- FROM ITS CLOSED POSITION. THE INSIDE AND OUTSIDE OF THE ACCESSIBLE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER
- HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR. UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO THE WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY
- PERSONS WITH DISABILITIES. A 27"-29" MINIMUM DIMENSION IS REQUIRED FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK.
- TABLE 11B-604.9 SUGGESTS DIMENSIONS FOR CHILDREN'S USE.

OUTDOOR VENTILATION REQUIREMENTS:

- CLASSROOMS ARE DESIGNED FOR MINIMUM OUTSIDE AIR OF 0.38 CFM PER SF. PER THE CALIFORNIA ENERGY CODE (CEC), SPACES SHALL BE DESIGNED TO THE MINIMUM REQUIREMENTS AS SPECIFIED OR TO 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. PC MANUFACTURER SHALL VERIFY WITH THE SCHOOL DISTRICT THE EXPECTED NUMBER OF OCCUPANTS IN THE CLASSROOM SO THAT THE OUTDOOR VENTILATION RATE FOR MECHANICAL SYSTEMS CAN BE ADEQUATELY ADJUSTED UPON SITE INSTALLATION OF THE BUILDING. PC MANUFACTURER SHALL ALSO CONFIRM WITH HVAC EQUIPMENT MANUFACTURER THAT THE SELECTED EQUIPMENT WILL BE ABLE TO PERFORM TO ACCOMMODATE THE ADDITIONAL OUTDOOR AIR REQUIREMENTS UNDER PEAK DESIGN CONDITIONS FOR THE CLIMATE ZONE IN WHICH THE BUILDING IS LOCATED. AT OCCUPANCY, THE BUILDING MANUFACTURER SHALL PROVIDE TO BUILDING OWNER A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RECIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE TO EACH
- 2. FOR CLASSROOMS GREATER THAN 750 SF OCCUPANT SENSOR VENTILATION CONTROL DEVICES SHALL BE INSTALLED PER CEC 120.2(e)3, AND SHALL OPERATE IN ACCORDANCE WITH CEC 120.1(c)5.



LIGHT GAUGE METAL STUDS & COLD FORMED STEEL

- ALL LIGHT GAUGE METAL STUDS & COLD FORMED STEEL SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE AISI \$100-07/\$2-10.
- ALL GALVANIZED STUDS, JOISTS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A653.
- CUSTOM FORMED SHAPES SHALL BE BENT FROM ASTM A1011 STEEL
- SHEETS. STUD AND TRACK DESIGNATIONS ARE BASED ON STEEL STUD
- MANUFACTURERS ASSOCIATION. ICC-ES EVALUATION REPORT ESR-3064P. GALVANIZED FRAMING PRODUCTS SHALL BE COATED IN ACCORDANCE WITH 2012 AISI S200-12, SECTION A4. PRODUCTS WILL BE FURNISHED WITH A G-60 OR EQUIVALENT COATING IF SPECIFIED, AND SHALL BE IN CONFORMANCE WITH ASTM C-955, OTHERWISE, G-90 OR EQUIVALENT COATING WILL BE PROVIDED.
- LIGHT GAUGE STEEL TUBES FOR GUARD RAILS/POSTS SHALL BE 33 KSI MINIMUM w/ A MODULUS OF ELASTICITY OF 29,500 KSI ±3%. ACCEPTABLE STEEL MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
- 6.1. ASTM A1011 SS GRADE 33 ($F_Y = 33 \text{ KSI}$) 6.2. ASTM A653 SS GRADE 33 ($F_Y = 33$ KSI)
- 6.3. ASTM A1008 SS GRADE 33 ($F_Y = 33 \text{ KSI}$) FLAT STRAP CROSS BRACING AT ROOF DIAPHRAGMS SHALL BE:
- 7.1. ASTM A1011 SS GRADE 50 ($F_Y = 50 \text{ KSI}$) 7.2. ASTM A1008 SS GRADE 50 ($F_Y = 50 \text{ KSI}$)
- 7.3. OR ASTM A653 SS GRADE 50 ($F_Y = 50$ KSI)

ABBREVIATION LEGEND

ACOUSTICAL

ADDENDUM

ADDITIONAL

CONSTRUCTION

ARCHITECT(URAL)

ALTERNATE

ALUMINUM

A/C

ACOUS

ADD'L

AISC

ALUM

ANSI

ARCH

ASTM

AWPA

AWS

BI K

ASPHALT CONCRETE

AMERICAN CONCRETE INSTITUTE

ADJUSTABLE OR ADJACENT

AMERICAN INSTITUTE OF STEEL

AMERICAN IRON AND STEEL INSTITUTE

AMERICAN SOCIETY FOR TESTING AND

AMERICAN NATIONAL STANDARDS INSTITUTE

AIR CONDITIONING

WELDING OF LIGHT GAUGE METAL STUDS & COLD FORMED STEEL SHALL COMPLY WITH AWS D1.3-08.

FASTENERS FOR ATTACHMENT TO STEEL

- SCREWS FOR STEEL TO STEEL CONNECTIONS SHALL BE TEKS PER ICC ESR-1976 OR TEKS SELECT PER ICC ESR-3223 BY ITW BUILDEX, U.O.N.
- A. HEAD TYPE AS REQUIRED FOR APPLICATION. B. SCREW LENGTHS TO HAVE 3 EXPOSED THREADS MIN.
- SHOT PINS SPECIFIED FOR PLYWOOD DIAPHRAM TO STEEL CONNECTIONS SHALL BE ET&F PINS PER IAPMO UES REPORT ER-0335.
- SHOT PINS FOR ATTACHMENT OF 2X WOOD OR LIGHT GAUGE STEEL MEMBERS TO STRUCTURAL STEEL SHALL BE BY HILTI UNO.

METAL FLOOR DECK

- SECTION PROPERTIES SHALL BE DERIVED IN ACCORDANCE WITH AISI, "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION."
- METAL DECKING IS TO BE ATTACHED TO THE STRUCTURAL FRAME IN CONFORMANCE WITH AWS D1.1 AND D1.3, "SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES.'
- ASTM REFERENCE NUMBERS: ASTM A653. STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANEALED) BY THE HOT-DIP PROCESS STRUCTURAL (PHYSICAL) QUALITY.
- 4. STEEL DECK INSTITUTE (SDI)-METAL FLOOR DECK PROFILES SHALL BE IN CONFORMANCE WITH SDI STANDARDS.
- METAL FLOOR DECK TO BE ASC STEEL DECK PER IAPMO ER-0329:
- 5.1. BH-36, 18 GAUGE, $1\frac{1}{2}$ " DEEP x 36" WIDE
- 5.2. NH-32, 18 GAUGE, 3" DEEP x 32" WIDE
- 5.3. 3WH-36, 18 GAUGE, 3" DEEP x 36" WIDE 5.4. 3WxH-36, 18 GAUGE, 3" DEEP x 36" WIDE
- DECK UNITS ARE TO BE FABRICATED FROM SHEET STEEL CONFORMING TO:
- 6.1. ASTM A653 SS, Fy=50 KSI WITH A GALVANIZED COATING, G-60 OR

SITE SPECIFIC PROJECT NAME

REDWOOD RAIN WATER LEADER RWL

STORM DRAIN SELF DRILLING SELF TAPPING SCREW SDSTS SEC SECTION

GYPSUM GYPSUM BOARD SQUARE FEET SHT SHEET **SHTG** SHEATHING HOSE BIBB HOLLOW CORE

HDR HEADER SP HDW HARDWOOD **SPEC** HEM FIR SQUARE

HOLLOW METAL (STEEL) HOR/HORIZ HORIZONTAL STAGG HSS HOLLOW STRUCTURAL SECTION (STEEL)

MATERIALS AMERICAN WOOD COUNCIL HFIGHT AMERICAN WOOD PROTECTION ASSOCIATION HVAC HEATING VENTILATING AIR CONDITIONING AMERICAN WELDING SOCIETY HOT WATER

GLV/GALV

GSM

GYP

GYP.BD.

GAUGE

GYPSUM BOARD

GALVANIZED

GLASS OR GLAZING

GALVANIZED SHEET METAL

INTERNATIONAL SYMBOL OF

KIPS PER SQUARE INCH (KIPS = 1,000LBS)

ACCESSIBILITY/ACCESS

LONG LEG HORIZONTAL

LIGHT WEIGHT CONCRETE

LONG LEG VERTICAL

JOINT

LAMINATE(D)

LAVATORY

LANDING

LIGHT

LONGITUDINA

LAG SCREW

LIGHT WEIGHT

MECHANICAL BOLT

MANUFACTURING

MANUFACTURER

MISCELLANEOUS

NOT IN CONTRACT

NORMAL WEIGHT

MATERIAL

MAXIMUM

MINIMUM

MILLIMETER

MIRROR

METAL

MECHANICAL

POUND

LB, LBS

LNDG

LONG

LWC

MAX

MECH

NWC

PTN

INTERNATIONAL ASSOCIATION OF PLUMBING BLDG BUILDING AND MECHANICAL OFFICIALS BLOCK INTERNATIONAL CODE COUNCIL BLKG **BLOCKING** INSIDE DIAMETER BELOW

BFAM INSULATE (D), (ION) BOUNDARY NAILING INTERIOR BOT/BOTT BOTTOM **INVERT** BETWEEN INTERPRETATION OF REGULATIONS

BUILT UP ROOFING CABINET CATCH BASIN

CALIFORNIA BUILDING CODE CBC CCR CALIFORNIA CODE OF REGULATIONS CEM CEMENT CUBIC FOOT

CONTROL JOINT COMPLETE JOINT PENETRATION CLG CEILING CI FAR

CT CERAMIC TILE CMU CONCRETE MASONRY UNIT CNEL COMMUNITY NOISE EQUIVALENT LEVEL CLEAN OUT

COL COLUMN CONC CONCRETE CONN CONNECTION CONT CONTINUOUS COUNTERSINK

CTRD DBL

DOURI F DETAIL DRINKING FOUNTAIN OR DOUGLAS FIR DIAMETER

CENTERED

COLD WATER

DIAGONAL DIM DIMENSION DIV DIVISION DOOR

DOWNSPOUT DSA DIVISION OF THE STATE ARCHITECT DRAWING

FACH **EXPANSION JOINT** ELEV **ELEVATION** ELECT **ELECTRICAL** EMBED **EMBEDMENT** ELECTRICAL MAGNETIC TUBING EMT

EDGE NAILING ET CETERA EQUAL. EACH WAY EXP **EXPOSURE** EXT **EXTERIOR**

FAHRENHEIT FUTURE FABRICATION FAC FACTORY FD FLOOR DRAIN FINISHED FLOOR FHWS FLAT HEAD WOOD SCREW **FINISH**

FLOOR

FLSHG

FOC

FOP

FOS

FRP

FTG

FT

FLASHING

FIELD NAILING FND/FNDN FOUNDATION FACE OF CONCRETE FACE OF FINISH FACE OF PLYWOOD FACE OF STUD

FIBERGLASS REINFORCED PLASTIC PANELS FOOT FOOTING

RESILIENT RDWD SCH/SCHED SCHEDULE SEP **SEPARATION**

SIM SIMILAR SMS SHEET METAL SCREW STRUCTURAL PLYWOOD

SPECIFICATIONS STAINLESS STEEL STAGGERED STN STAIN

STD STANDARD SELF TAPPING SCREW STS STSMS SELF TAPPING SHEET METAL SCREW

T&B TOP AND BOTTOM T&G TONGUE AND GROOVE TEMP TEMPERED

THRU THROUGH TOOL JOINT TOC TOP OF CURB, CRICKET, OR CONCRETE TOP TOP OF PARAPET TOP OF SLAB, SHEATHING, OR STEEL

TOP OF WALL **TRANS** TRANSVERSE TOP OF SHEATHING TELEVISION TYPICAL

UNLESS OTHERWISE NOTED UNO UNLESS NOTED OTHERWISE VCT VINYL COMPOSITION TILE VCTB VINYL COVERED TACKBOARD **VERT**

VOLATILE ORGANIC COMPOUND(S)

VERIFY IN FIELD VINYL WALL COVERING WITH WOOD WIDE FLANGE WINDOW

VFRIFY

VOC

VFY

WSCT

WWF

WITHOUT WOODSCREW WAINSCOT WEIGHT WELDED WIRE FABRIC

ANGLE CENTER LINE DIAMETER **DEGREES** MODULE LINE PLUS/MINUS

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 08/11/2021

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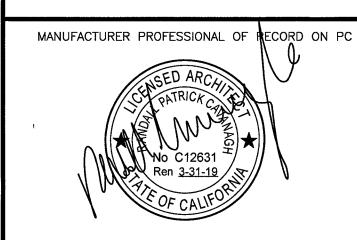
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PRE-CHECKED SET NAME

24'x40' THRU 120'x40' STANDARD MODULAR BUILDINGS

SHEET TITLE

GENERAL NOTES SPECIFICATIONS



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION

UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL DIV. OF THE STATE ARCHITECT PC 02-115700

DATE 8-31-2018 PRE-CHECK (PC) DOCUMENT CODE 2016 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

ACAPHELS HE SS LOS

REVISIONS DRAWN BY SCALE: AS NOTED

SHEET NUMBER

ON CENTER OUTSIDE DIAMETER

NORMAL WEIGHT CONCRETE

NATIONAL DESIGN SPECIFICATION

PROPERTY LINE PLASTIC LAMINATE PLAS PLASTER POUNDS PER LINEAR FOOT PLT PLATE PLWD/PLY PLYWOOD

PRODUCT STANDARD POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED PTDF PRESERVATIVE TREATED DOUGLAS FIR

PVC POLYVINYL CHLORIDE ROOF DRAIN RDPRC RESPONSIBLE CHARGE

REF REFR REFRIGERATOR REINF REINFORCING REQ'D/REQ REQUIRED

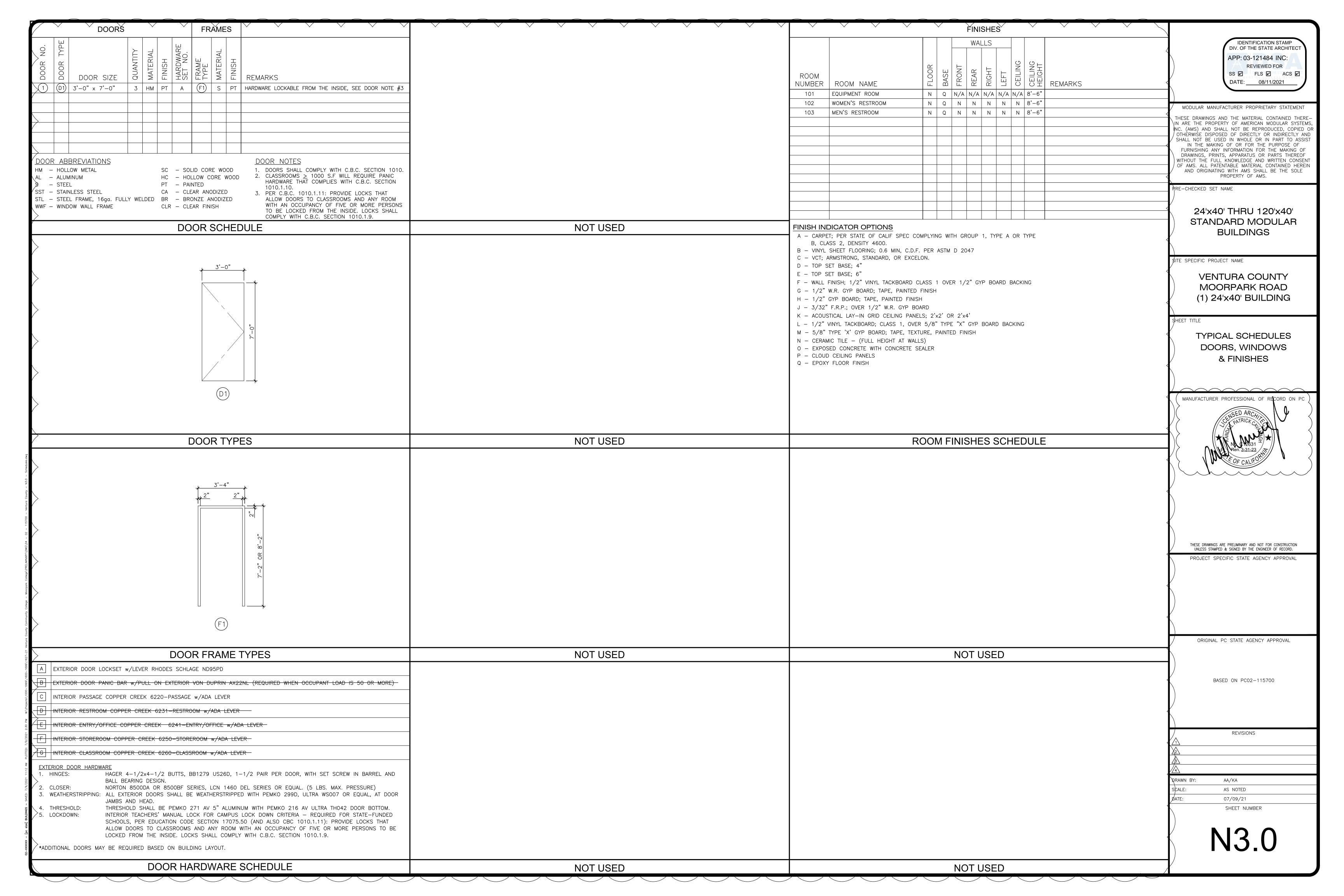
OC OD OPPOSITE HAND OR OVERHANG OCCUPANT LOAD OPG OPENING OPP OPPOSITE OSB ORIENTED STRAND BOARD

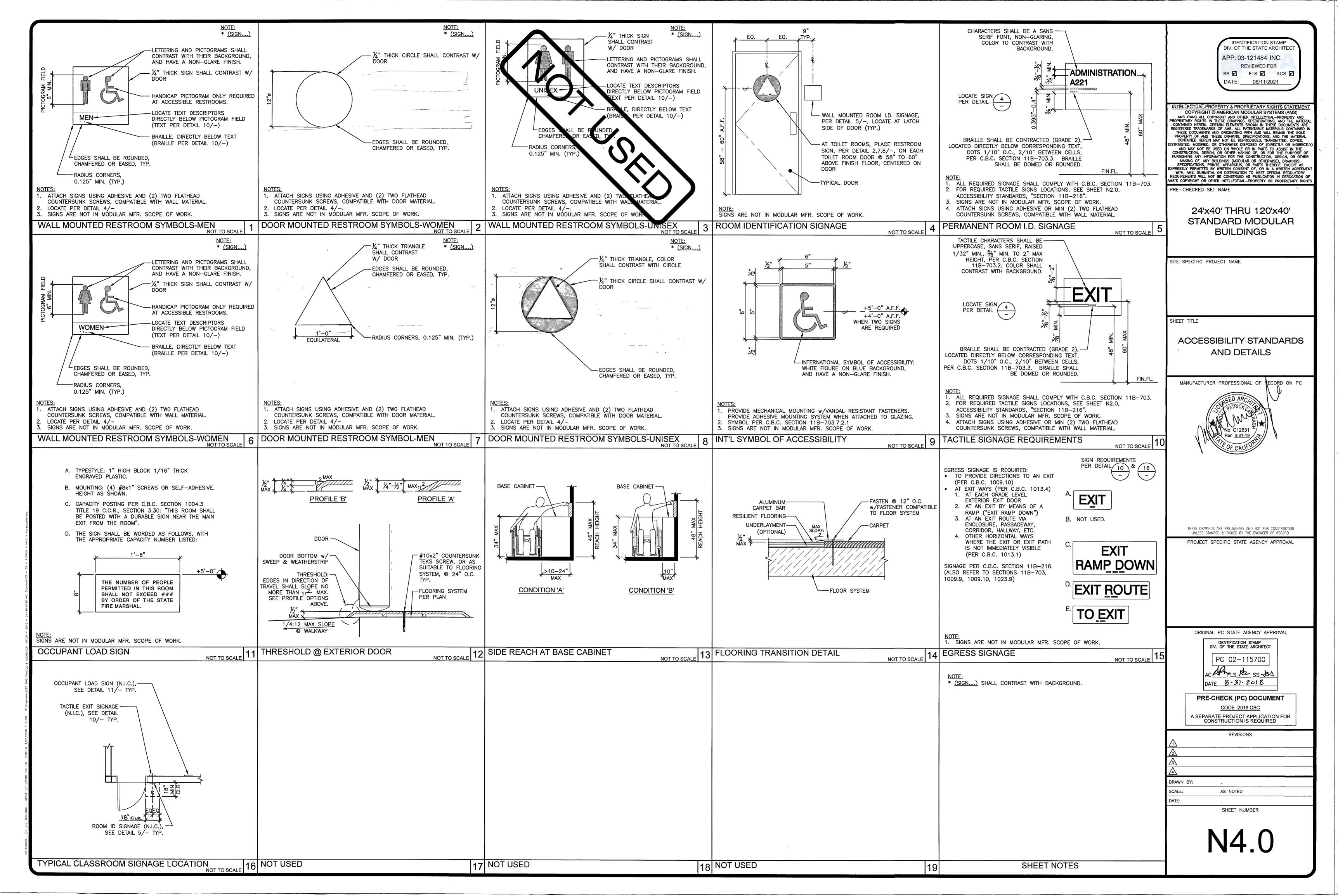
PNL POINT OF CONNECTION PSI

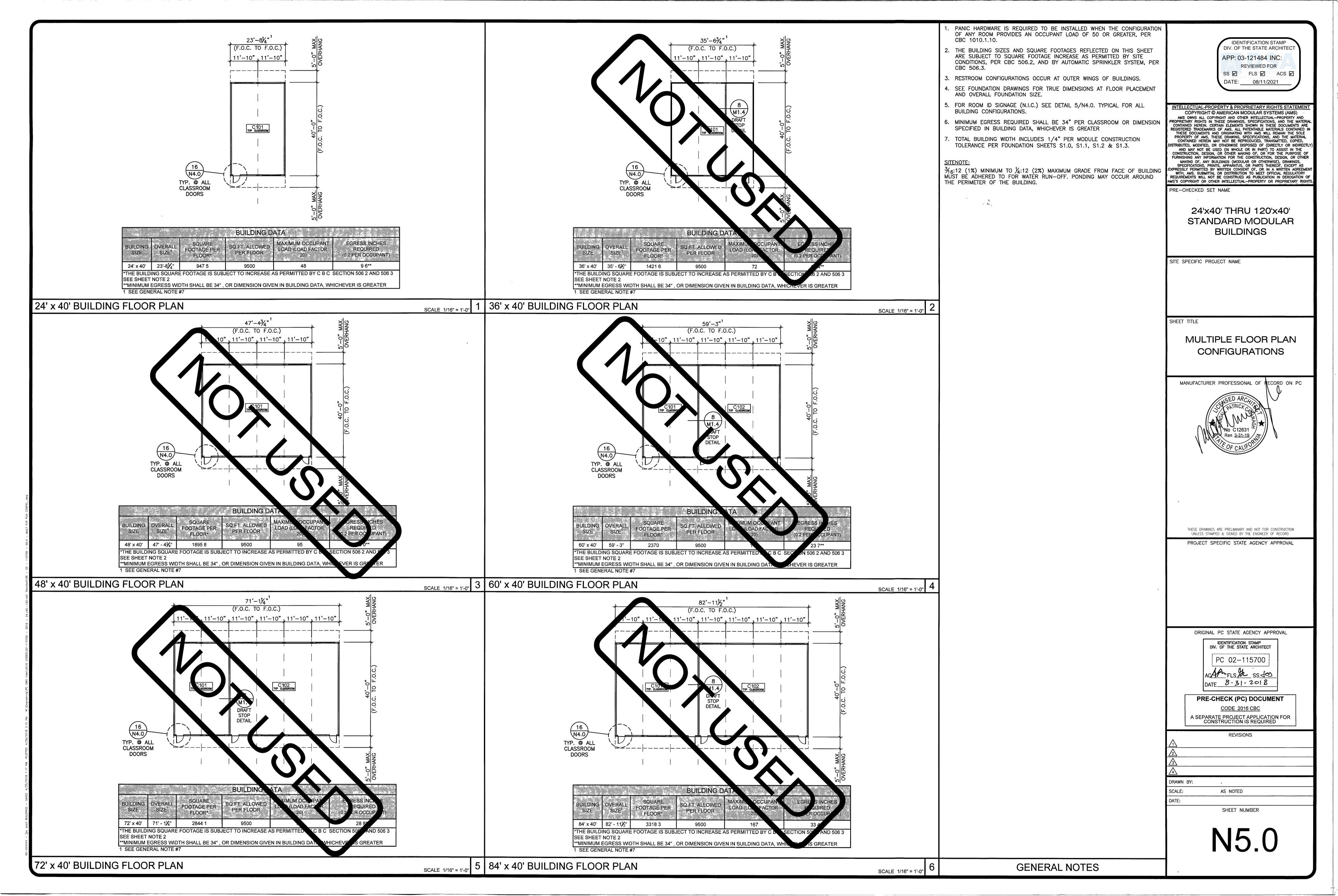
PARTITION

REGISTERED DESIGN PROFESSIONAL IN

REDWOOD RDWD REFERENCE







PRE-CHECK DESIGNS CALGREEN/ENERGY CODE COMPLIANCE REVIEW

Attachment 1 AMS PC 24'x40' PC

C Design Review Informatio	n		Title 24, Pa	irt 6, Energy Code	PC Design Review Informat	ion
Date of Title 24 Report: Model Name and Option: Total Floor Area: HVAC System Type:	2/27/2018 AMS PC 24'x40' 960 sf Split-DX HP	DSA	DSA Application DSA File No 1 Submittal Date		Date of Title 24 Repor Model Name and Option Total Floor Are: HVAC System Type	n: AMS PC 120'x40' a: 4,800 sf
Climate Zone (Reference City)	Azimuth (Front Orientation)	TDV - Proposed Design	TDV - Standard Design	Compliance Margin	Climate Zone (Reference City)	Azimuth (Front Orientation)
(Palmdale)	30	284.9	329.4	44 5	14 (Palmdale)	30
	75	289.2	338.2	49.0		75
	120	285.5	333.9	48 4		120
	165	277.4	315.1	37.7		166
	210	284.1	325.9	41.8		210
	255	288 1	333.7	45 6		255
	300	284.7	330.0	45.2		300
	345	277.4	314.1	36.8		345
(Palm Springs-Intl)	30	344 8	372.3	27 4	15 (Palm Springs-Intl)	30
	75	348.5	394.9	46.4		75
	120	346.1	391.3	45.2		120
	165	339.1	358.5	19.4		165
	210	343.8	373.5	29.7		210
	255	347.8	382.1	34.4		255
	300	346.0	375.7	29.7		300
	345	339.7	359.0	URSS 19. State		345
(Blue Canyon)	30	235.0	298.4	63.4	16 (Blue Canyon)	30
12.12.2	75	239 3	306.6	67.3		75
	120	235.5	298.5	630		120
····	165	227.8	280.3	52.5		165
	210	234.3	302.1	67.8		210
90/31/40/11/10/04/4/4/3/3/3/3/4/4/4/4/4/4/5/4/4/5/4/4/4/4	255	238 0	310 9	72.8		255
	300	234.3	301.5	67.2		300
	300 345	234.3 227.4	279.5	52.1		345

compliance margins)

Windows increases heating or cooling load due to orientaton

IR N-1 (Draft - Input new date) DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA DIVISION OF THE STATE ARCHITECT

PRE-CHECK DESIGNS CALGREEN/ENERGY CODE COMPLIANCE REVIEW

Attachment 1 AMS PC 120'x40' PC

C Design Review Informa	ition		Title 24, Pa	irt 6, Energy Cod				
Date of Title 24 Repo Model Name and Optic Total Floor Are HVAC System Typ	on: AMS PC 120'x40'	DSA Application: #02-115700 DSA File No: DSA-1 Submittal Date:						
Climate Zone (Reference City)	Azimuth (Front Orientation)	TDV - Proposed Design	TDV - Standard Design	Compliance Margin				
(Palmdale)	30	275 7	312,2	36.6				
	75	282.1	323.6	41.5				
	120	276 8	316.2	39 3				
	168	266.7	292.1	25.4				
	210	276.4	311.3	34.9				
	255	283.1	323 7	40.6				
	300	277.5	316.3	38.9				
	345	266.6	292 1	25 4				
(Palm Springs-Intl)	30	333.5	358.1	24.7				
	75	339,9	370.4	30.5				
	120	337.1	361 2	24.1				
	165	327.8	343.3	15.5				
	210	334.4	358.7	24.3				
	255	340.7	371 6	30.9				
	300	337.1	362 2	25.1				
	345	327.2	343 4	162				
(Blue Canyon)	30	259.6	286 4	26.8				
	75	265.7	299.9	34.2				
	120	260.2	286.1	25.9				
	165	251.1	262 9	11.8				
******************	210	260.1	286.9	26.8				
***	255	266 5	300.7	34.2				
	300	260 8	287 4	26.7				
	345	251.2	262.8	11.5				

Windows increases heating or cooling load due to orientaton

£1.0

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IR N-1 (Draft - Input new date) DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA DIVISION OF THE STATE ARCHITECT

Proje	it Name:	AMS Modular	Castroom	24x40			MRCC-PRI-01	-€	Page 1 of 18			
Proje	d Address:	Palmdale	destinates and administration		and the state of t		Calculation C	late/Time	09.03, Tue,	09A3, Tue, Feb 27, 2018		
Com	bance Scope:	NewComplete	B Modernoverskoviskovisko			enenene.	input File Na	marian Mari	AMS 24x40	lot DSA » CZ14	(8),cbd16	
A. PI	OJECT GENERAL I	NFORMATIO	N			STATE OF THE PARTY			Anna production of the second			
1.	Project Location (ci	(v)		Polmdale	MANAGEMENT CONTRACTOR OF THE SECOND	8.	Standards Version Compliance			Compliance2	016	
2.	2. KA ba Code		Mariella Maria Maria Maria			9.	Compliance :	Software (ve	rsian)	CBLCC-Com	K16.3.0 SP1	
3.	Climate Zone			14		10.	Weather File		roskovansky kredistratie sa	PALMDALE_T	723820_CZ2010.epw	
4.	Total Conditioned I	loor Area in S	0000	960 tr.	and the state of t	11.	Building One	ntation (deg	}	(N) 345 deg		
5.	5. Tetal Unconditioned Floor Area		An the Constitution of the	o n²		12,	Permitted Sc	ope of Work	4×2×4×4×4×4×4×4×4×	NewComplet	\$	
6,	Total # of Stories (t	iabitable Abov	e Grade)	1	******************************		Building Type	6(s)	PARTICULAR SECURITARISTS SECURITARISTS SECURITARISTS SECURITARISTS SECURITARISTS SECURITARISTS SECURITARISTS S	Nonresidenti	al	
7,	Total # of dwelling	units	Section de la constitution	0		14	Gas Type	CHARLES COMMONWY SIC T	STATE OF THE PROPERTY OF THE P	NaturalGas		
8. C	MPLIANCE RESU	ITS FOR PERF	ORMANCE	COMPONENTS (Annua	TDV Energy Use,	kBtu	/It i-yr)	****	,		5 140.1	
C C C C C C C C C C C C C C C C C C C					BUILDING	COI	VIPLIES					
	1. Energy Compo	nent	2. 5ta	ndard Design (TDV)	3. Proposed	Design	(VOT)	4. Com	pliance Marg	in (TDV)	5. Percent Better than Standard	
Space	Heating			23.68		(postinion card)	46,40		******	-24.72	-114.0	
Spac	Cooking	and the second second second	AND THE PROPERTY OF THE PARTY O	128.33		***********	153.43		(-25.10	-19 6	
Indo	y fans	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		109.08			49.74			65 34	59,9	
Heat	Rejection			~			~			wı		
Pum	is & Miss.		****************	a,			63			40		
Dom	estic Hot Water			9.43			9.43			**	0.0	
Indo	ar Lighting			45.63		*****	24.38		*************	21 25	46.6	
******	PLIANCE TOTAL		endersterrings	314.15		******	277.38		***	36,77	14.7	
	Macie			64.30		-	64.30		***	0.0	0.0	
Proc	15%			~		kapanana	, ec.	L		, c c		
Othe	r i.he	1		ৰূপ	1		9.0	1		***	į	

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Report Generated at: 2018-02-27 09-03-27

NRCC-PRF-D1-E Page 8 of 18
Calculation Date/Time. 09:03, Tue, Feb 27, 2018
Input File Name; AMS 24x40 for DSA - C214 (8) cibd16

Project N	ime:	AMS Modular Classroom 24x40		NRCC-PRF-01-E	Page 2 of 18	Page 2 of 18			
Project A	idress:	Palmdals		Calculation Date/Tim	e: 09:03, Tue, Fet	09:03, Tue, Feb 27, 2018			
Complian	ce scope	NewComplete		input file Name:	AMS 24x40 for	DSA - CZ14 (8). obd16	************		
					DESCRIPTION OF THE PROPERTY OF		****		
C. PRIOF	ITY PLAN CHE	CK/ INSPECTION ITEMS (in order of hi	thest to lowest TDV energy savin	gs)			Congression of the Congression o		
ist	Indoor Fans: (Theck envelope and mechanical	Comp	olionce Margin By Ene	rgy Component (fro	m Table & column 4)	·		
2nd	Indoor Lightir	g: Check lighting	Indi	or Fans			-		
3rd	Heat Rejectio	n. Check envelope and mechanical	•	Lighting		***********			
địh	Pumps & Misc : Check mechanical		1	Rejection		· ·	5		
5th	Domestic Hot	Water Check mechanical	Domestic H	à Misc. oi Water	_	,	,		
6th	Space Heatin	g. Check envelope and mechanical	3	Heating	*		4		
713	Space Cooling	: Check envelope and mechanical	Space	Cooling	Penalt	Energy Credit	,		
	PTIONAL CON	DITIONS Clude service water heating. Verify that serv	rice water heating is not required an	d is not included in the	· design.				
	VERIFICATION						***************************************		
**********	***				***************************************		*******		
This Sect	ion Does Not Aj	19 ¹ Y			***				
F. ADDI	NONAL REMA	RKS							
****	-	as been calculated using EZFrame per CEC (Shrinhin (1975)					

Report Generated at. 2018-02-27 09:03:27 CA Building Energy Efficiency Standards 2016 Nonresidential Compliance Report Version NRCC FRF-01 E-122020178-5302

Project Name:	AM5 Modular Classr	oom 2	4:40		NRCC-PRF-01-E	Page 3 of 18			
Project Address:	Palmdale	and the same			Calculation Date/Time	09:03, Tue, Feb 27, 2018			
Compliance Scope:	NewComplete		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u>ngga ga agang an pana an ang an ana an an</u>	Imput File Name	AMS 24x40 for DSA - C214 (8) cibel (6		
				######################################	Eking international proposition of the transmission of the state of the state of the state of the state of the The state of the state o				
G. COMPLIANCE PAT	TH & CERTIFICATE OF	COM	PLIANCE SUMM	ARY					
**************************************	<i>lijent</i>	ify wh	ich building comp	onents use the performance or pa	escriptive path for complia	nce. "NA" » not in project			
************	For con	pone	nts that utilize the	performance path, indicate the s	leet number that includes	mandatory notes on plans.	4-3-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4		
Building Component		Com	pliance Path	Compliance Forms (required for	· submistolj		Location of Mandatory Notes en Plans		
		Ø	Performance	NRCC-PRF-ENV-DETAILS (section					
Envelope		O	Prescriptive	NRCC-ENV-01/02/03/04/05		ML7			
		O	NA						
	######################################	8	Performance	NRCC-PRF-MCH-DETAILS (section					
Mechanical		O	Prescriptive	NRCC-MCH-01/02/03/04/0:	5/06/07·E		M1.7		
		O	NA						
		D	Performance	NRCC-PRF-PLB-DETAILS (section	of the NRCC-PRF-01-E)				
Domestic Hot Water		Ø	Prescriptive	NRCC-FLB-01-E			P3.0		
		To	NA .	A THE THE PROPERTY OF THE PROP	A TOTAL CONTRACTOR OF THE PROPERTY OF THE PROP		1		

Performance NRCC-PRF-LTI-DETAILS (section of the NRCC-PRF-01-E)

Prescriptive NRCC-LTI-01/02/03/04/05-E

Performance S3 (section of the NRCC-PRF-01-E)
Prescriptive NRCC-PRC-01/ 04-E
NRC PRC-01/ 04-E
NRC PRC-01/ 04-E
NRC PRC-01/ 04-E
NRC PRC-01/ 05-E
NR NA

CA Building Energy Efficiency Standards-2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302

AND DESCRIPTION OF THE PARTY OF	NAMES OF TAXABLE PARTY.	THE PROPERTY OF THE PROPERTY O		reference and a second					
Project Ne	me:	AMS Modular Classroom 2	(4x40)	MRCC-P	MACC PAI-OLE Page 4 of 18				
Project Ad	dress:	Falmdale		Cakula	Calculation Date/Time: 09:03, Nie, Feb 27, 2018				
Complianc	e Scope:	NewComplete		input fi	ile Name:) cbd16			
G. COMP	UANCE PAT	H & CERTIFICATE OF COM	PUANCE SUMMARY						
The following building components are only eligible for prescriptive compliance, indicate which are relevant to the project.				The following building components may have mandatory requirements per Past 6, India which are relevant to the project					
Yes	NA	Prescriptive Requirement	Compliance Forms	Yes	NA	Mandatory Requirement	Compliance Forms		
8	O	Lighting (Indoor Unconditioned) §140.6	NACC-UT-01 / 02 / 03 / 04 / 08-E	8		Commissioning. §120.8 Simple Systems Complex Systems	NACC-CXA-01/02/03/05-E NACC-CXR-01/02/04/05-E		
Ø	O	Lighting (Outdoor) \$140 7	NRCC-LTO-01 / 03 / 03-E	Ø	O	Electrical \$130.5	NRCC-ELC-01-E		
Q	Ø	Lightung (Sign) § 140.8	M8CC-112-01-E	8	D	Solar Ready §110 10	NHCC-SRA-D1/02-E		
a	88	Solar Thermal Water Heating: §140.5	NRCC-STH-01-E			Covered Process: \$120.6 Parking Garage Commercial Refrigeration Warehouse Refrigeration Compressed Air Process Bollers	NRCC-PRC-03-E NRCC-PRC-03-E NRCC-PRC-05-E NRCC-PRC-10-E NRCC-PRC-10-E NRCC-PRC-11-E		

Project Name:	AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 5 of 18						
Project Address:	Palmdale Calculation Date/Time: 09:03, Tue, Fe	b 27, 2018					
Compliance Scope:	NewComplete Input File Name: AMS 24x40 fo	or DSA - CZ14 (8).cdw116					
Documentation Aut (Retain copies and s	INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) the to indicate which Certificates must be submitted for the features to be recognized for compliance serify forms are completed and signed to post in field for Field Inspector to verify). In MCH and ITI Details Sections for Acceptance Tests and forms by equipment.	- Confirmed					
Building Component	ing Component Compliance Forms (required for submittel)						
Invelope	☑ NAC+ENY-OL-E-For all buildings						
e ti Azalo Paz	[2] NRCA-ENV-02-F- NFRC label verification for fenestration						
AND	Ø NRCI-MCH-Q1-€ - For all buildurgs with Mechanical Systems						
	A NACA MCH-02-A-Durdour Av						
	(S) NRCA-MCH-G3-A - Constant Volume Single Zone HVAC						
	C) NRCA MCH 04-H- Air Distribusion Durt Leakage						
	C] NKCA-MCH-OS-A-Air Economicar Controls						
	C) MRCA-MCH-66-A- Demand Control Ventilation						
	CJ NRCA-MCH-07-A Supply Fan Variable Flow Controls						
	☐ HKCA-MCH-OB-A Valve Leukage Test						
	C NRCA-MCH-09-A - Supply Water Temp Reset Controls						
Mechanical	CJ NRCA-MCH-10-A- Hydronic System Variable Flow Controls						
	MRCA-MCH-11-A Auto Demand Shed Controls						
	☐ NRCA-MCH-12-A- Packaged Direct Expension Units						
	C NRCA MCH-13-A- Air Handling Units and Zone Terminal Units						
	☐ MRCA-MCH-14-A-Distributed Energy Storage						
	☐ NPCA-MCH-15-A - Thermal Energy Storage						
	C) NRCA-MCH-18-A-Supply Air Temp Reset Controls						
	☐ NRCA-MCH-17-A ~ Congeniate Water Temp Reset Controls						
	☐ NRCA-MCH-18-A Energy Management Controls Systems						
	CI NRCV-MCH-04-N-Ouct Leakage Test						

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PAF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:03.27

Project Name:	AMS Modular Classroom 24x40		NRCC-PRF-01-E	Page 6 of 18		************
Project Address:	Palmdale		Calculation Oate/Time:	09:03, Tue, Feb 27, 2018		
Compliance Scope:	NewComplete		Input File Name:	AMS 24×40 for DSA - CZ14 (8).cl	xd16	
Documentation Auti (Retain copies and v	or to indicate which Certificate rily forms are completed and s	ACCEPTANCE & CERTIFICATE OF VERIFIES IN MUST be submitted for the features to igned to post in field for Field Inspector for Acceptance Tests and forms by equ	be recognized for compliant to verify).		Confi	med
Building Component	Compliance Forms (requ	ired for submittal)			Pass	fail
	O NRCI-PUB-01-F- Fer a	buildings with Plumbing Systems			0	0
	O NACI-RE-03-E - requ	ired on central systems in high-rise resident	ial, hotel/motel application.		0	О
	J NRCL-PLB-03-E - Singi	e dwelling unit systems in high-rise resident	tial, hotel/motel application		a	O
Blambing	O MACI-PUB-21-E - HERE	verified central systems in high-rise reside:	ntial, hotel/motel application			0
Plumbing	O NRCIPLE-22-E-HER	verified single dwelling unit systems in high	h-rise residential, botel/mote	i application.	0	0
	O NECVATE-31-II-HER	s verified central systems in high-rise reside	ntial, hotel/motel application	1		O
	C HACY-PLB-22-H - HEF	's verified single dwelling unit systems in hig	th-rise residential, hotel/mot	el application.		О
	CI NACI-STH-01-E - ANY	solar water heating				0
	Ø NRCI-LTI-Q1-€ - For all	buildings		acception and the second secon	0	
	2 NACI-LTI-02-E - Lighti	ng control system, or for an Energy Manage	ment Control System (EMCS)			0
	NRCI-(TI-03-E - Une-voltage energize only line-voltage	oltage track lighting integral current limiter, o track lighting	, or for a supplementary over	current protection panel used to	O	Ø
	O NRG-171-04-E - Two I	steriocked systems serving an auditorium, a	convention center, a confere	ence room, or a theater		0
Indoor Lighting	C MACHUT-05-E-Lights	ng Control Credit Power Adjustment Factor	(PAF)			0
	O NRCI-LTI-06-E - Addit	ional wattage installed in a video conferenci	ing studio		0	0
	S MRCA-LTH-02-A - Oces	ipancy sensors and automatic time switch o	ontrols.		a	О
	NRCA-LTI-03-A - Auto	matic daylighting controls			0	О
	O NRCA-LTI-04-A - Dem	and responsive lighting controls				
	Ø N#CI-LTO-01-£ ~ Outo	oor Lighting			Q	
Outdoor Lighting	O MACI-CTO-02-4- EMC	Lighting Control System			О	О
	S NRCA-LTO-02-A - Out	door Lighting Control			ū	0
Sign Lighting	☐ NRCI-UTS-01-E - Sign :	Jehrane				О
Electrical	⊠ NRCI-ELC-01-E - Elect	rical Power Distribution			а	О
Photovoltak	☐ MRCI-SPV-03-E Photo	roltarc Systems			0	

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302

Report Generated at: 2018-02-27 09-03.27

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/APPROVED DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP.# 22 1/15 700 DATE 6 18 8

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

APP: 03-121484 INC:

DATE: 08/11/2021

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24'x40' THRU 24'x120' STANDARD MODULAR

BUILDINGS

ENERGY CALCULATIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

PRE-CHECKED SET NAME

SITE SPECIFIC PROJECT NAME

SHEET TITLE

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT PC 02-115700

PRE-CHECK (PC) DOCUMENT CODE: 2016 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

DRAWN BY: SCALE: AS NOTED DATE:

SHEET NUMBER

Project Name:	AMS Modular Classro	om 24x40		NRCC-PRE-01-E	Page 7 of 18		
Project Address:	Palmidale			Calculation Date/Time	09-03, Tue, Feb 27,	2018	AND SECTION SE
Compliance Scope:	NewComplete			Input File Name:	AMS 24x40 for DSA	- CZ14 (8).c/bd16	***************************************
Documentation Auth (Retain copies and ve	or to indicate which C crify forms are comple	CATE OF ACCEPTANCE & CERTIFICAT entificates must be submitted for the ted and signed to post in field for Fire 5 Sections for Acceptance Tests and I	e feature: eld Inspei	s to be recognized for complia ctor to verify).		G	onfirmed
Building Component	Compliance Fo	rms (required for submittal)	********	20051-0-001-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0		Pass	Fail
	O MRCI-PRC-0	1-E Covered Processes				O	D
	O NRCA-PRO	01-F- Compressed Air Systems				О	O
	C) NRCA-PRC-	02-F- Kitchen Exhaust					
	O NACA-PRO	03-F- Garage Exhaust					o o
Covered Process	☐ NRCA-PRC-	04-F-Refrigerated Watehouse-Evapora	tor fan Mc	otor Controls		ū	
	[] NACA-PRO	05-F- Refrigerated Warehouse- Evaporal	tive Conde	enser Controls		a	
	☐ NRCA-PRC-	06-F- Refrigerated Warehouse- Air Cook	ed Conden	iser Controls		O	
	C) NRCA-PRC-	07F- Refrigerated Warehouse-Variable	Speed Con	npressor		g	O
	CI NRCA-PRC-	08-F- Electrical Resistance Underslab He	ating Systi	iw			
I. ENVELOPE GENER/	L INFORMATION (See	NRCC-PRF-ENV-DETAILS for more i	nformati	on)			
	med Floor Area	960 N²	T 8.	Number of Floors Above Grade	11		Confirmed
		The second secon	-	************************			

-							
I. ENVE	LOPE GENERAL INFORMATION (See	NRCC-PRF-ENV-DETAILS for more in	nformati	on)			
1.	Total Conditioned Floor Area	360 U ₃	S.	Number of Floors Above Grade	1	Conf	irmed
2,	Total Unconditioned Floor Area	o ft²	6.	Number of Floors Below Grade	0		
3.	Addition Conditioned Floor Area	0 ft ²				***	
4.	Addition Unconditioned Floor Area	ō tış				**	*
7. Opaqı	ue Surfaces & Orientation	8. Total Gross Sur	lace Area	S. Total Fenestration Area	10. Window to Wall Ratio		
North W	all		240 ft²	79 ft ²	33.0%		D
East Wal			400 ft ³	O ft ²	00.0%	0	
South W	all .		240 ft ⁾	ንቃሎ	33.0%	a	0
West Wa	WI .		400 ft ³	90%	0C0%	a	a
	Total		1,280 N	158 ft ³	12.4%	D	
Roof			960 M	Oft [†]	0 0.0%	O	0
			alentheral mineral programme		44-01-5-01-4-01-6-01-01-01-01-01-01-01-01-01-01-01-01-01-	AND DESCRIPTION	COMPAND AND ADDRESS OF THE PARTY OF THE PART

Report Version: NRCC-PRF-01-E-122020178-5302

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				1.		2.	3.			4.		5.	6.	7.	8.	9,		
3	4	ғ ы О	1	Fenestration Assembly Hame / Tag or I.D.		ype / Product Type ime Type	Certification M	ethod ¹	Asse	mbly Method	A	ea ft ^a	Overali U-factor	Overall SHGC	Overall VT	T	3	ĩ
element en en	+	-	-		Vertical	fenestration	************	***************************************	CONTRACTOR AND CONTRACTOR	AND COLUMN TO SHARE SHAR		HARACOURING PORCE	-	l	*****	***********	CONSTRUCTIVE STATES	hang fanisa parakenny
1		<u> </u>	1	Solar Grey NFRC		Window	NFRC Rate	e l	M	anufactured		158	0,78	0.43	0.37	N	D	
]		0]		E-	N/A	İ		-	***************************************		-	L	L	L	ــــــــــــــــــــــــــــــــــــــ	L	***********
<u> </u>]	¹ Newly installed feneralists shall have a cost, of serfection. Site-built feneralists values are	tang nemit tanan terti Kabupatèn bang pang	endrotot Appendez HAS (ust taken found in take ind are used in the until	jane Jane	a isan in t	hat Contin of Conti	i fermij saaset i	we for the	distribute on	sembled by s	ha erapradisc	harte sent	ica aparen	for passe
3		O	1	² Steine M - Mark A - Altered, E - Emiling														
]	T	0	1	Taking compliance credit for fenest	ration shading d	levices? (if "Yes", se	NACC-PRE-ENV-E	OF TARES fo	e more mi	revesteses	decision de la company	ido jaroki (dalak s	***********		and the control of th	-	No.	*********
3			1		***************************************			delinant hande	-	Language de Constitue de Consti	····	Medianistics	ecceptates/ecisport	***	indiana patenta	L	######################################	***************************************
3	1	Ö	1	K. OPAQUE SURFACE ASSEMBLY	SUMMARY	5551445 	**************	Maria Ma	Sand the State of Sta			CASA NO SÓMINAS CA	1	§ 120.7/	140,3	enthempionedens.	Confi	rmed
3	-	D T	1	1.	T		ž.		3.	4,	5.	7	6.	*	Holosterieriesississis			**********
********			,]	Surface Norse		Surfe	e Type	~	rea (ft²)	framing Type	Cavety R-Value		itinuous Value	U-factor /		T	7855	£
T	Confi	rmed	1	Conce Slab over Crawlap	Κŧ	Exten	orficer		960	NA	0	T	NA	U-Facto	0.210	N	D	D
†				Roof: U=0 70 per EZFren	P#P	8	wi		960	Metal	19	T	2	U-Facto	0.071	N	O	
			ļ	R-13 m metal frame + R-5	ei.	Exter	e/Voll		1280	Metal	13	7	3	U-Factor	0.098	T N		a
	744	Ĩ.		Notes N-Non, A-Alexand, E-Easting			Selection of the select				***************************************	anterior services		******************	*****	- Andreas	(acymerysys)	***************************************
tatio				L. ROOFING PRODUCT SUMMA	RY			ionio-dinatasiones do		and the state of t	-	Carried Contraction of	***************************************	roangemento-co-c	1	140.3	Confi	rmed
3.0%	0	O		Ł.		2.	3.		4.	5			6.		7,		-	-
0.0%	Ō	D		Product Type		Product Density (lb/ft²)	Aged Sciar Reflectance		ormal Itance	y	ği	3	i Roof redit		ng Produ scription		3	*
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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-6-122020178-5302

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Project Name	AMS Mo	dular Classroom 24x40			NRCC	C-PRF-01-E		Page 10 of 18					
Project Address:	Palmdali	è			Calcu	dation Dat	e/Time·	09:03, Tue, Feb 2	7, 2018				
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Energy Component

Heat Rejection

Pumps & Misc.

\$ 140.1

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4. Compliance Margin (TDV) 5. Percent Better than Standard

alculation Date/Time. 09:01, Tue, Feb 27, 2018

Margin (MWh)

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Standard Design Site (Militu)

Proposed Design Site Margin (MBtu) (MBtu)

Note: Bulgred Method for Special Function Areas is not currently launtement F. ROOM CAVITY RATIO (Adapted from NRCC-LTI-04-E)

Note: All applicable spaces are listed under the Nan-Rectangular Spaces table.

Project Address Falmdate
Compliance Scope: NewComplete

mestic Hot Water

mmercial Kitchens

Computer Rooms

Covered Process: Laboratory Exhaust

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ighting (Indoor Conditioned)

Non-Rectangular Spaces

Room Length (ft)

CA Building Energy Efficiency Standards, 2016 Nonresidential Compliance Benefi Version: NECC.DRE.01:E.127070178.5207

AMS Modular Classroom 120x40

G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMAR

Rectangular Spaces

identify which building components use the performance or prescriptive path for compliance. "NA"× not in project For comparents that white the performance path, indicate the sheet number that includes mandatory notes on plans.

Compliance Path Compliance forms (required for submittol)

Performance NRCC-PRF-ENV-DETAILS (section of the NRCC-PRF-01-E)
Prescriptive NRCC-ENV-01 / 02 / 03 / 04 / 05 / 06-E

Performance NRCC-PRF-MCH-DETAILS (section of the NRCC-PRF-01-E)

PRESCriptive NRCC-MCH-01/02/03/04/05/06/07-E

☐ Performance NRCC-PRF-PLB-DETAILS (section of the NRCC-PRF-01-E)

☑ Prescriptive NRCC-PLB-01-E

Performance NRCC-PRF-LTI-DETAILS (section of the NRCC-PRF-01-E)

Performance S2 (section of the NRCC-PRF-01-E)

Performance S3 (section of the NRCC-PRF-01-E)

| Performance | S4 (section of the NRCC-PRF-01-E) |
| Prescriptive | NRCC-PRC-01/09-E |
| NA |

Room Width (ft)

| Calculation Date/Time: 09-12, Tue, Feb 27, 2018 | Input File Name: AM5 120x40 for DSA - CZ14 (4).clbd16

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ård	Heat Rejection	n: Check envelope and mechanical	AE , , , , , , ,	Lighting	- Interest		(Material Sept.)
4th	Pumps & Misc	k.: Check mechanical		ejection		Programme Association (Control of Control of	
§th	Domestic Hot	Water: Check mechanical		& Mac	1	8	\$
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7th	Space Cooling	: Check envelope and machanical	* Space	Cooling	Penalty	, Energy Credit	,
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	☐ NRCI-PLB-01-E - For all buildings with Plumbing Systems			O	D
	☐ NRCI-PLB-02-E - required on central systems in high-rise reside	ential, hotel/motel application.		O	
	☐ NRCI-PLB-03-E - Single dwelling unit systems in high-rise reside	ential, hotel/motel application,		O	Ö
Plumbing	☐ NRCI-PL8-21-€ - HERS verified central systems in high-rise resi	dential, hotel/motel application,		D	
r farthering	NRCI-PLB-22-E - HERS verified single dwelling unit systems in h	ngh-rise residential, hotel/motel	application	O	O
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	NRCV-PLB-22-H - HERS verified single dwelling unit systems in	high-rise residential, hotel/mote	el application.	О	
	☐ NRCI-STH-01-E - Any solar water heating			Ü	
	☑ NRCI-LTI-01-E - For all buildings	A COLOR DE LA COLO		П	
	NRCI-LTI-02-E - Lighting control system, or for an Energy Mana	gement Control System (EMCS)		D	
	☐ NRCI-LTI-03-E - Une-voltage track lighting integral current limit energize only line-voltage track lighting	ter, or for a supplementary over	urrent protection panel used to	П	a
to do es d'inhain o	☐ NRCI-LTI-04-E - Two interlocked systems serving an auditorium), a convention center, a confere	nce room, or a theater	О	
Indoor Lighting	☐ NRCI-LTI-05-E - Lighting Control Credit Power Adjustment Factor	or (PAF)	Manufacture de la compression della compression		O
	☐ NRCI-LTI-06-E - Additional wattage installed in a video confere	ncing studio			O
	NRCA-LTH-02-A - Occupancy sensors and automatic time switch NRCA-LTH-02-A - Occupancy sensors and automatic time	n controls.			
	NRCA-LTI-03-A - Automatic daylighting controls				
	☐ NRCA-LTI-04-A - Demand responsive lighting controls			O	D
and the second s	NRCI-LTO-01-E - Outdoor Lighting				
Outdoor Lighting	☐ NRCI-LTO-02-E- EMCS Lighting Control System				Ö
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Sign Lighting	□ NRCI-LTS-01-E - Sign Lighting				
Electrical	NRCI-ELC-01-E - Electrical Power Distribution				O
Photovoltale	☐ NRCI-SPV-01-E Photovoltaic Systems				

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302

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certify the follow	king under penalty of perjury, under the laws of the	State of California:					and and and and and and and	*******			5 5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
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ject Name	AMS Modular Classroom 24x40			NRCC-PRF-01-E	Pa	ge 17 of 18					Project Name:
ject Address	Palmdale		*********	Calculation Date/Ti		:03, Tue, Feb 27, 2018		***************************************			Project Address:
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NRCC-PRF-01-E Page 14 of 18

Description of Assembly Layer

Air - Floor - 3 1/2 in

Concrete - 140 lb/ft3 - 4 in. Carpet - 3/4 in.

Metal Standing Seam - 1/16 in. Expanded Polystyrene - EPS - 1/2 in. R2.1

ietal framed roof, 24m OC, 5.5m., R-19

Acoustic Tile - 3/8 in.

Gypsum Board - 1/2 in.

Operation

Wood siding - 1/2 in Vapor permeable felt - 1/8 in. Compliance Insulation RS.00 Metal framed wall, 16in. OC, 3.5in., R-13

Calculation Date/Time. 09:03, Tue, Feb 27, 2018

input File Name AMS 24x40 for DSA - CZ14 (8).cibd16

Notes

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Area Overall U-factor

Project Nar	ne.	AMS Modular Classroom	20x40	NRCC-P	AF-01-E	Page 4 of 19	
roject Ado	iress.	Polendale		Calcula	tion Date/Tim	e: 09-12, Tue, Feb 27, 2018	
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The follow	ing buildin	g components are only eligible relevant to th	for prescriptive compliance. Indicate which are a proyect.	The follo	wing building	components may have mandato which are relevant to the p	ry requirements per Part 6, Indicate voject.
Yes	NA	Prescriptive Requirement	Compliance Forms	Yes	NA	Mandatory Requirement	Compliance Forms
Ø	П	Ughting (Indoor Unconditioned) §140.6	NACC-LTI-01/02/03/04/05-E	88		Commissioning: §120.8 Simple Systems Complex Systems	NRCC-CXR-01/02/03/05-E NRCC-CXR-01/02/04/05-E
Ø	0	Lighting (Outdoor) §140.7	NRCC-UO-01 / 62 / 03-E	83		Electrical: §130.5	NRCC-ELC-01-E
O	8	Lightling (Sign) §140.8	WRCC-UTS-01-E	83		Solar Ready: \$110-10	NRCC-SRA-01 / 02-E
О	83	Soler Thermal Water Heating: §140.5	NRCC-STH-01-E		8	Covered Process: §120.6 Parking Garage Commercial Refrigeration Warehouse Refrigeration Compressed Air Process Boilers	NRCC-PRC-01-E NRCC-PRC-02-E NRCC-PRC-05-E NRCC-PRC-06/07/08-E NRCC-PRC-10-E NRCC-PRC-11-E



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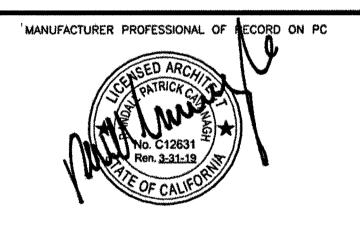
PRE-CHECKED SET NAME

24'x40' THRU 24'x120' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

ENERGY CALCULATIONS



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL

DIVISION OF STATE ARCHITECT HIGH PERFORMANCE SECTION APP.# Q2 -115700 DATE 10 1818

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT PC 02-115700 AC _ FLS _ SS JOY DATE 8-31-2018

PRE-CHECK (PC) DOCUMENT CODE: 2016 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS DRAWN BY: SCALE: AS NOTED DATE:

SHEET NUMBER

	Palmdale					Calculation Date/	nme: w	AL, ME,	Feb 27, 20	40				
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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302

Project Name AMS Modular Classroom 120x40

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Project Name:	AMS Modular Classroom 120x40	NRCC-PRF-01-E	Page 13 of 19
Project Address:	Palmdale	Calculation Date/Time	99.12, Tue, Feb 27, 2018
Compliance Scope:	NewComplete	Input File Name	AMS 120x40 for DSA - CZ14 (4) cdx16
DOCUMENTATION	AUTHOR'S DECLARATION STATEMENT		§ 10-103
certify that this Cer	tificate of Compliance documentation is accurate and comp	piete,	
Documentation Auti	hor Name: Hans Marsman, CEA, CEPE, LEED AP BD+C		(E) Buttatta anno de
	Energy Associates, Inc.	Signature:	CABEC Digitally signed by Hans Marsman
	Highway 101, Suite 203	Signature Date	Qate: 2018.02:27
	as Bearch California 92075	CEA Identification (If applicable	and the second s
Phone, 619,531,112	<u> </u>		
RESPONSIBLE PER	SON'S DECLARATION STATEMENT		
certify the following	g under penalty of perjury, under the laws of the State of C	California:	
	firm that I am eligible under the provisions of Division 3 of I the State of California as a civil engineer, mechanical engir		ocument as the person responsible for its preparation; and that I are
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	at I am eligible under Division 3 of the Business and Profess nd Professions Code Sections \$537, 5538 and 6737 1.	sions Code to sign this document because it perta	ins to a structure or type of work described as exempt pursuant to
Responsible Envelop	e Designer Name: Randali P Cavannagh		Owards Bleed
with the space of	e Designer Name: Randali P Cavannagh Modular Systems Gen7 Schools	Signature:	Baull llung
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Project Name:	AM5 Modular Classroom 1	######################################		NRCC-PRF-01-E	Page 17 of				*****
Project Address:	Palmdale			Calculation Date/Tin	ne: 09:12, Tue	, Feb 27, 2018	***	-	
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National Association of the Community of	-DETAILS -SECTION START-	CREDITS (Adapted from NRCC-)	TI-02-E1	*****************************			§ 140.6	************	nterva
***************	trol Credits Schedule (includes all li	ghting controls installed in condition 0.6(a)2 and Table 140.6-A)		Cont	roi Credit Cakulı	ition		Conf	irne
Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.)	# of Units	Watts of Controlled Lighting	Power Adjustment Factor	Control Credit Watts	V If Acceptance Test Required	Pass	F
Classroom 101	Classrooms, Lecture, Training, Vocational Areas	• none specified •	1		0.00	•		O	C
Classroom 102	Classrooms, Lecture, Training, Vocational Areas	- name specified -	1		0.00	0	·	0	ī
Classroom 103	Classrooms, Lecture, Training, Vocational Areas	- none specified -	3		0.90	0		O	Ī
Classroom 104	Classrooms, Lecture, Training, Vocational Areas	- name specified -	3		0.00	o		O	C
Classroom 105	Classrooms, Lecture, Training, Vocational Areas	- none specified -	. 3		0.00	0		О	C
B. INDOOR CON	IDITIONED LIGHTING MANDATO	ORY LIGHTING CONTROLS (Adap	ted from NACC	(J)- 0 2-E)	haywere my woney east businesses			15.1	10.1
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CA	Building Energy Efficiency Standards- 2016 Nonresidential Compliance	Report Version: NRCC-FRF-01-6-122020178-5302	Report Generated at: 2018-02-27 09:13:10

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oject Ac	ddress:	Palm Springs-Int		Calculation Date/Time:	09:04, Tue, Feb 27, 2018	
mpllan	ce Scope.	NéwCamplete		Input File Name	AMS 24x40 for DSA - CZ15 (8).c	ibd16
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2nd	Indoor Lightin	ng: Check lighting		oor Fans		"."
3rd	Heat Rejection: Check envelope and mechanical		**	Lighting		,
4th	Pumps & Misc.: Check mechanical			Rejection		
Sth			Pumps Domestic H	s & Misc.		3 v
6th	Space Heating	g: Check envelope and mechanical	1 ;	Heating		
7th	Space Cooling	r: Chack envelope and mechanical	7 }	Cooling	Penalty Ene	rgy Credit
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Project Name	AMS Mod	ular Classroom 120x40	The second secon		NRCC-PRF-01-E	······································	Page 14 of 19	*************	teriserii inderendek	resident states	***********	-
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A. OPAQUE SURFACE	ASSEMBLY	DETAILS 2.		3.				4.		***********	offrme T	tor) podpi
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Project Name.	AMS Modu	lar Classroom 120x40		Andrea of Andrea (Continue)	NRCC-PI	₹F-Q1 E	Pa	ge 18 of 19	CONTRACTOR STATEMENT OF THE STATEMENT OF	- Charles de la Carles de la Ca	475
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E. GENERAL LIGHT	NG FROM SPE	CIAL FUNCTION AREAS (Adap	ated from NRCC-LT	I-04-E)						§ 140.6	~
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F. ROOM CAVITY R	ATIO (Adapted	from NRCC-LTI-04-E)				*****			******************	**************************************	24
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Project Name:	AMS Modular Class	mom.	24×40		NRCC-PRF-01-E	Page 3 of 18	
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	for co	mpane	nts that utilize the	performance path, indicate the st	neet number that includes	mandatory nates on plans	
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		8	Performance	NRCC-PAF-ENV-DETAILS (section	of the NRCC-PRF-01-Ł)		
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Domestic Hot Water		×	Prescriptive	NRCC-PLB-01-E		****	P1.0
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		8	Performance	NRCC-PRF-LTI-DETAILS (section o	f the NRCC-PRF-01-E)	An and the section of	
Lighting (Indoor Conditi	aned)		Prescriptive	NACC-LTI-01/02/03/04/05-E			£1.0
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4			Performance	52 (section of the NRCC-PRF-01-E			
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Covered Process: Computer Rooms		a	Prescriptive	NACC-PRC-01/04-E			
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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302

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 NRCC-PRF-01-E
 Page 11 of 19

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 Input File Name:
 AMS 120x40 for OSA - CZ14 [4],clbd16

Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scopp: NewComplete

R. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E)

* Same MAKE (Th-CD-4 for antisonal sources

Project Name	AMS Modular Classroom 120	×40	NRCC-PRF-	n-e	Page 19 of 19			*********
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H. INDOOR & OUTDO	OR LIGHTING ACCEPTANCE	TESTS & FORMS (Adapted from	NRCC-LTI-01-E and NR	CC-LTO-01-E)			51	30.4
Declaration of Required	Acceptance Certificates (NRC	A)Acceptance Certificates that m Field	ust be verified in the field Inspector to verify).	. (Retain copie	s and verify form:	are completed and signed	to post in	field
Taci	Description		Indoor	***********************		Outdoor	Conf	irme
Tes	Description	NRCA-LTI-02-A	Indoor NRCA-LTI-03-A	NRC	A-LTI-04-A	Outdoor NRCA-LTO-02-A	Conf	îrmei T
Test Equipment Requiring Testing or Verification	A of indian	NRCA-LTI-02-A Occ Sensors / Auto Time Switch		-	A-LTI-04-A d Responsive		Conf	T
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Equipment Requiring Testing or Verification	9 of units	Oct Sensors / Auto Time Switch	NRCA-LTI-03-A Auto Daylight	-	d Responsive	NRCA-LTO-02-A Outdoor Controls	¥	
Equipment Requiring Testing or Verification Occupant Sensors	# of units 5	Occ Sensors / Auto Time Switch	NRCA-LTI-03-A Auto Daylight	-	d Responsive	NRCA-LTO-02-A Outdoor Controls	i i	
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Project Na	anacaigadelelelelelele	AMS Modular Classroom	21/11/	MICLA	RF-01-E	Page 4 of 18	
Project Add	iress.	Palm Springs-Int		Calcula	tion Date/Ti	me: 09-04, Tue, Feb 27, 2018	
Compliance	scope;	NewComplete		input F	ie Name	AMS 24×40 for DSA - CZ15	(8).cibd16
G. COMPL	JANCE PAT	TH & CERTIFICATE OF COM	IPLIANCE SUMMARY	ON THE PROPERTY OF THE PROPERT			
The follow	ing building	g components are only eligible relevant to th	r for prescriptive compliance, Indicate which are ne project.	The follo	wing buildin	g components may have mandato which are relevant to the p	ry requirements per Part 6, Indica Project.
Yes	NA	Prescriptive Requirement	Compliance Forms	Yes	NA	Mandatory Requirement	Compliance Forms
Ø	O	Lighting (Indoor Unconditioned) §140.6	NRCC-LTI-01 / 02 / 03 / 04 / 05-E	8		Commissioning: §120.8 Simple Systems Complex Systems	NRCC-CXR-01/02/03/05-E NRCC-CXR-01/02/04/05-E
8		Lighting (Outdoor) §140.7	NRCC-LTO-01 / 02 / 03-E	Ø	O	Electrical: §130.5	NRCC-ELC-01-E
О	Ø	Lighting (Sign) \$140.8	NRCC-LTS-01-E	83		Solar Ready §110.10	NRCC-SRA-01/02-E
а	8	Solar Thermal Water Heating: §140.5	NRCC-STH-01-E			Covered Process: §120,6 Parking Garage Commercial Refrigeration Warehouse Refrigeration Compressed Air Process Boilers	NRCC-PRC-01-E NRCC-PRC-02-E NRCC-PRC-05-E NRCC-PRC-06/07/08-E NRCC-PRC-10-E NRCC-PRC-11-E

Project Name:	AMS Modular Clastron	m 120x40		NRCC-PRF-01-E	Page 12 of 19	****************	**********
Project Address.	Palmdale		······································	Calculation Date/Tim	e: 09:12, Tue, Feb 27, 20	18	***************************************
Compliance Scope:	NewComplete			input File Name	AMS 120x40 for DSA	·	***************************************
U. ENERGY USE SUM	MARY				***************************************		
Ermi	y Component	Standard Design Site (MWh)	Proposed Design (MWh)	Site Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (M8tu)	Margin (MBtu)
ir	door Fens	21,2	9.2	12.0	**	**	**
He	n Rejection	**		**	######################################	**	~~~
Pur	nps & Misc.	~	~-	••		1-76	***
Dome	stic Hot Water	64	**	***	37.1	37.1	0.0
Ind	oor Lighting	9.0	4.9	4.1	**	**	1967
COMI	LIANCE YOTAL	43.8	43.3	0.5	90.7	37.1	53.6
8	eceptacle	12.7	12.7	0.0	***	*	***
	Process	-	v.	**	VI-100-100-100-100-100-100-100-100-100-10	ing the same of th	
(Ither Lig		A	***	**		**
Pro	res Motors		***	~		***	
	TOTAL	\$6.5	56.0	0.5	90.7	37.1	53.6

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Declaration of inspector to s	A Requires	d Accepta	ince Certi	ficates (N		ceptance	Certifical			omitted, (T	interest ve	rify fore	s are con	pleted ar	nd rigored	to post in		3	4
Declaration o	of Requires verify)		Marian Company of the			***************************************					Retain cor	in and a	ni'y lora	N SPE CONT	pleted at	A LIGHTAN	to post in	field for MCC+-LEA	3	
Orcioration of inspector to s	of Requires verify)	d Accepta	ince Certi	ficates (N	RCA) - Ac	ceptance	Certifical	es that n	nay be sub	omitted, (T								Fæid	

Proj	ect Name:	AMS Modular Cla	ssroom	24×40		******	NRCC-PRF-0	1-E	Page 1 of 1	3		*********
Proj	ect Address	Palm Springs-Int			**************************************	***************************************	Calculation (Date/Time	09-04. Tue.	Feb 27, 2018		····
Con	pliance Scope:	NewComplete	••••••		***************************************		Input File Na	me.		for DSA - CZ19	(8).cibd16	
4 5	ROJECT GENERAL	MITORIATION					·····					
	~~~~	******		T	····	·	·			·		
1.	Project Location (	city)		Palm Springs-Int	***	8.	Standards Ve	ersion	************	Compliance	016	
2.	CA Zip Code	*****************************	-			9.	Compliance	Software (vei	sion)	CBECC-Com	2016 3.0 SP1	
3.	Climate Zone	······································	*****	15		10.	Weather File			PALM-SPRIN	GS-INTL_722868_	CZ2010 epw
4.	Total Conditioned	Floor Area in Scope	***********	960 ft²		11.	<b>Building Orie</b>	ntation (deg		(N) 345 deg		
5.	Total Uncondition		**********	o ft³		12.	Permitted Sc	ope of Work		NewComple	te	**************************************
6.	Total # of Stories (	Habitable Above Gr	ade)	1		13	<b>Building Type</b>	e(s)		Nonresident	al	***************************************
7.	Total # of dwelling	units		0		14	Gas Type	***************************************	***************************************	NaturalGas		******
							Gas type			ivaturaioas		
	OMBI IAMPE BECH	LTC FOR OCOFORM	******			L	L	***************************************	***************************************	ivaturaidas		~
B. C	OMPLIANCE RESU	LTS FOR PERFORM	AANCE	COMPONENTS (Annual	TOV Energy Use,	L	L			Ivaturareas		§ 140.1
3. C	OMPLIANCE RESU	ILTS FOR PERFORM	AANCE	COMPONENTS (Annual	TOV Energy Use, BUILDING	kBtu	/ft ²-yr)			waturaioas		§ 140.1
	1. Energy Comp			COMPONENTS (Annual		kBtu COI	/ft ²-yr) APLIES	4. Comp	diance Marg		5. Percent Bet	§ 140.1
pac	1. Energy Compa				BUILDING	kBtu COI	/ft ²-yr) APLIES	4. Comp	diance Marg		5. Percent Bet	ter than Standard
pac	1. Energy Compo e Heating e Cooling			ndard Design (TDV)	BUILDING	kBtu COI	/ft ² -yr)  MPLIES  (TDV)	4. Comp	liance Marg	in (TDV)	5. Percent Bet	ter than Standard -120.29
pac pac	1. Energy Compo e Heating e Cooling or Fans			ndard Design (TDV) 5 90	BUILDING	kBtu COI	/ft ²-yr)  APLIES  (TDV)  12.99	4. Comp	Hance Marg	in (TDV) -7.09	5. Percent Bet	ter than Standard -120.29 -26.49
ipac ipac indo	1. Energy Compose Heating e Cooling or Fans Rejection			ndard Design (TDV) 5 90 193.22	BUILDING	kBtu COI	/ft ²-yr)  APLIES  (TDV)  12.99  244.16	4. Comp	Niance Marg	in (TDV) -7.09 -50 94	5. Percent Bet	ter than Standard -120.2' -26.4'
ipac ipac indo leat	1. Energy Compa e Heating e Cooling or Fans Rejection ps & Misc.			ndard Design (TDV) 5 90 193.22	BUILDING	kBtu COI	/ft ²-yr)  APLIES  (TDV)  12.99  244.16	4. Comp	Hiance Marg	in (TDV) -7.09 -50 94	5. Percent Bet	ter than Standard -120.2' -26.4'
ipac ipac indo leat	1. Energy Compose Heating e Cooling or Fans Rejection			ndard Design (TDV) 5 90 193.22	BUILDING	kBtu COI	/ft ²-yr)  APLIES  (TDV)  12.99  244.16	4. Comp	Hiance Marg	in (TDV) -7.09 -50 94	5. Percent Bet	-120.2: -26.4: 52.8:
ipac ipac ndo leat 'um	1. Energy Compa e Heating e Cooling or Fans Rejection ps & Misc.			ndard Design (TDV) 5 90 193.22 106.27	BUILDING	kBtu COI	/ft ²-yr)  /PLIES  (TDV)  12.99  244.16  50.21	4. Comp	Hiance Marg	in (TDV) -7.09 -50 94	5. Percent Bet	-120.25 -26.45 52.85
ipac ipac ideat ium iom	1. Energy Compose Heating e Cooling or Fans Rejection ps & Mise. estic Hot Water			ndard Design (TDV)  5 90 193.22 106.277.93	BUILDING	kBtu COI	/ft ²-yr)  /PLIES  (TDV)  12.99  244.16  50.21   7 93	4. Comp	Hiance Marg	in (TDV) -7.09 -50 94 -56.06	5. Percent Bet	1-120.2: -26.4: 52.8: 0.0: 46.5:
Spac Spac ndo leat Pum Dom	1. Energy Compose Heating e Cooling or Fans Rejection ps & Misc. estic Hot Water or Lighting			ndard Design (TDV)  5 90 193.22 106.277.93	BUILDING	kBtu COI	/ft ²-yr)  APLIES  (TDV)  12.99  244.16  50.21   7 93  24.41	4. Comp	Hiance Marg	56.06 	5. Percent Bet	
Spac Spac ndo leat Pum Dom	1. Energy Compose Heating e Cooling or Fans Rejection ps & Misc. estic Hot Water or Lighting PLIANCE TOTAL			ndard Design (TDV) 5 90 193.22 106.27 7.93 45.64 358.96	BUILDING	kBtu COI	/ft ²-yr)  APLIES  1(IDV)  12.99  244.16  50.21   7 93  24.41  339.70	4. Corrs	Niance Marg	56.06 -7.09 -50.94 56.06   21.23 19.26	5. Percent Bet	1-20.25 -26.45 52.89 0.09 46.55

Project Name	AMS Modular Classroom 24x40	NRCC-PRF-01-E	Page 5 of 18	*********************	***************************************
Project Address:	Palm Springs-Int	Calculation Date/Time:	09-04, Tue, Feb 27, 2018	······	**************************************
Compliance Scope	NewComplete	Input File Name	AM5 24x40 for DSA - CZ15 (8) c	lbd16	
			<del></del>		
Documentation Auti Retain copies and v	NSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VER nor to indicate which Certificates must be submitted for the features enfy forms are completed and signed to post in field for Field Inspec in MCH and LTI Details Sections for Acceptance Tests and forms by e	to be recognized for complia	NRCA/NRCV) nce	Confi	med
Building Component	Compliance Forms (required for submittal)		**************************************	Pass	Fali
Envelope	☑ NRCI ENV-01-E - For all buildings		<del>(************************************</del>		
**************************************	図 NRCA-ENV-02-F- NFRC label verification for fenestration				
	図 NRCI-MCH-01-E - For all buildings with Mechanical Systems				
	☑ NRCA-MCH-02-A- Outdoor Air				Ö
	☑ NRCA MCH-03 A — Constant Volume Single Zone HVAC				
	☐ NRCA-MCH-64-H- Air Distribution Duct Leakage				
	☐ NRCA-MCH-05 A- Air Economizer Controls				
	☐ NRCA-MCH-06-A- Demand Control Ventilation			a	0
	☐ NRCA-MCH-07-A — Supply Fan Variable Flow Controls				
	☐ NRCA-MCH-08-A Valve Leakage Test				
	☐ NRCA-MCH-09-A – Supply Water Temp Reset Controls				
Mechanical	☐ NRCA-MCH-10-A Hydronic System Variable Flow Controls				0
	☑ NRCA-MCH-11-A – Auto Demand Shed Controls				
	☐ NRCA MCH-12-A- Packaged Direct Expansion Units				
	NRCA-MCH-13-A- Air Handling Units and Zone Terminal Units				
	☐ NRCA-MCH-14-A- Distributed Energy Storage				0
	☐ NRCA-MCH-15-A — Thermal Energy Storage				
	☐ NRCA-MCH-16-A- Supply Air Temp Reset Controls				
	☐ NRCA-MCH-17-A — Condensate Water Temp Reset Controls				
	☐ NRCA-MCH-18-A- Energy Management Controls Systems				
	☐ NRCV-MCH-04 H- Duct Leakage Test				

مهرک میں شد چند سے سک لان ہ

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-121484 INC: REVIEWED FOR SS FLS ACS DATE: 08/11/2021

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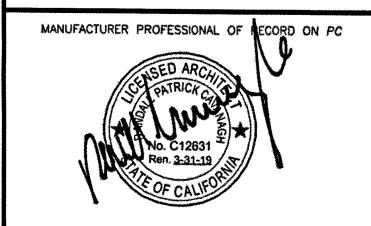
> 24'x40' THRU 24'x120' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

PRE-CHECKED SET NAME

SHEET TITLE

**ENERGY CALCULATIONS** 



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL

APPROVED DIVISION OF STATE ARCHITECT HIGH PERFORMANCE SECTION APP.# 02 1/16 100 DATE 10 18 8

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ORIGINAL PC STATE AGENCY APPROVAL
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
PC 02-115700
AC /FLS / SS +50 DATE 8-31-2018
DATE 8-31-2018
PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED. REVISIONS

AS NOTED SHEET NUMBER

Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version NRCC-PRF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:04:33

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version, NRCC-PRF-01-5-122020178-5302

Report Generated at: 2018-02-27 09:04.33

Report Generated at: 2018-02-27 09:13:10

CA Building Energy Efficiency Standards 2016 Nonresidential Compliance Report Version: NRCC PRF-01-E-122020178-5302

Project Name* AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 6 of 18 Project Address: Palm Springs-int Calculation Date/Time: 09:04, Tue, Feb 27, 2018 Compliance Scope* NewComplete Input File Name: AMS 24x40 for DSA - C215 (8).cibd16	Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 7 of 18 Project Address: Palm Springs-Int Calculation Date/Time: 09-04, Tue, Feb 27, 2018 Compliance Scope: NewComplete Input File Name. AMS 24x40 for DSA - CZ15 (8).cibd16	Project Name AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 8 of 18 Project Address: Palm Springs-int Calculation Date/Time: 09:04, Tue, Feb 27, 2018 Compliance Scope. NewComplete Input File Name: AMS 24x40 for DSA - C215 (8).cibd16	Project Name. AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 9 of 18 Project Address Palm Springs-int Calculation Date/Time 09:04, Tue, Feb 27, 2018 Compliance Scope NewComplete Input File Name AMS 24x40 for DSA - CZ15 (8).cibd16
H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) — Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).  See Tables G. and H m MCH and LTI Details Sections for Acceptance Tests and forms by equipment.  Building Component Compliance Forms (required for submittal) Pass Fail  NRCI-PLB-01-E - For all buildings with Plumbing Systems  NRCI-PLB-02-E - required on central systems in high-rise residential, hotel/motel application.	H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) — Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in fleld for Field Inspector to verify)  See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment  Building Component   Compliance Forms (required for submittai)   Pass   Fail	1. FENESTRATION ASSEMBLY SUMMARY   5   110.6   Confirmed     1.   2.   3.   4.   5.   6.   7.   8.   9.     Fenestration Assembly Name / Tag or I.D.   Fenestration Type / Product Type   Certification Method   Assembly Method   Area ft   U-factor   SHGC   VT   6.     Vertical Fenestration   Fixed Window   NFRC Rated   Manufactured   158   0.78   0.43   0.37   N	M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information)  Dry System Equipment ¹ (Fan & Economizer info included below in Table N)  1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11.  System Type  (Simple ² or Complex ³ )  Qty  Total Heating Output (kBtu/h)  Supp Heat Source (Y/N)  Supp Heat Source (Y/N)  Cooling Heating  Acceptance Testing Required? (Y/N)  Total Heating Required? (Y/N)  Acceptance Testing Required? (Y/N)  Total Heating
Plumbing   NRCI-PLB-03-E - Single dwelling unit systems in high-rise-residential, hotel/motel application	NRCA-PRC-02-F- Kitchen Exhaust	** Newly installed fenestration shall have a certified NFRC Lobel Certificate or use the CEC default tables found in Table 110.6-8 and Table 110.6-8. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Sito-built fenestration values are calculated per Nonresidential Appendix NAS and are used in the analysis.  ***Taking compliance credit for fenestration shading devices? (If "Yes", see NRCC-PRF-ENV-DETAILS for more information)  K. OPAQUE SURFACE ASSEMBLY SUMMARY  1. 2. 3. 4. 5. 6. 7. 8.	AC-1 SPVHP (Packaged1Phase) Simple 1 39 No 0 45 EER-10,20 COP-3 00 Yes N 🗍 🗍  1 Dry System Equipment includes furnaces, air handling units, heat pumps, etc. 2 Simple Systems must complete NRCC-CXR-03-E commissioning design review form 4 Complex Systems must complete NRCC-DR-04-E commissioning design review form 4 A summary of which acceptance tests are applicable is provided in NRCC-PRF-MCH-DETAUS 5 Status N- New, A - Altered, E - Existing  Wet System Equipment Section Does Not Apply
NRCI-LTI-01-E - For all buildings	I. ENVELOPE GENERAL INFORMATION (See NRCC-PRF-ENV-DETAILS for more information)   1.   Total Conditioned Floor Area   960 ft²   5.   Number of Floors Above Grade   1   Confirmed     2.   Total Unconditioned Floor Area   0 ft²   6.   Number of Floors Below Grade   0     3.   Addition Conditioned Floor Area   0 ft²   6.   Number of Floors Below Grade   0     4.   Addition Unconditioned Floor Area   0 ft²   0     7.   Opaque Surfaces & Orientation   8.   Total Gross Surface Area   9.   Total Fenestration Area   10.   Window to Wall Ratio     North Wall   240 ft²   79 ft²   33 0%         East Wall   400 ft²   0 ft²   33.0%         West Wall   400 ft²   0 ft²   00.0%         Total   1,280 ft²   158 ft²   12.4%         Roof   960 ft²   0 ft²   0 ft²   0 0.0%	Surface Name   Surface Type   Area (ft*)   Framing Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type   Cavity Type	Discrepancy between modeled and designed equipment sixing? (if "Yes", see Table F "Additional Remarks" for an explanation)  N. ECONOMIZER & FAN SYSTEMS SUMMARY¹  1. 2. 3. 4. 5.  Outside Air Supply Fan Return Fan  Equip Name CFM CFM HP BHP (Inch Control CFM HP BHP (Inch WC))  AC-1 360 1380 0 500 0 435 1.00 ConstantVolume NA NA NA NA NA NA NA NA NA NA NA NA NA
Photovoltaic NRCI-SPV-01-£ Photovoltaic Systems   CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-£-122020178-5302 Report Generated at: 2018-02-27 09.04:33  Project Name AMS Modular Classroom 24x40 NRCC-PRF 01-£ Page 10 of 18 Project Address: Palm Springs-Int Calculation Date/Time: 09-04, Tue, Feb 27, 2018	CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302 Report Generated at 2018-02-27 09:04:33  Project Name: AMS Modular Classroom 24×40 NRCC-PRF-01-E Page 11 of 18  Project Address. Palm Springs-Int Calculation Date/Time 09:04, Tue, Feb 27, 2018	CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:04.33  Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 12 of 18  Project Address. Palm Springs-Int Calculation Date/Time. 09:04, Tue, Feb 27, 2018	CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version NRCC-PRF-01-E-122020178-5302 Report Generated at. 2018-02-27 09:04:33  Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 13 of 18  Project Address: Palm Springs-Int Calculation Date/Time: 09-04, Tue, Feb 27, 2018
Compliance Scope: NewComplete input File Name. AMS 24x40 for DSA - CZ15 (8) cibd16  O. EQUIPMENT CONTROLS  1. 2. 3. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	Compliance Scope: NewComplete Input File Name. AMS 24x40 for DSA - C215 (8),cibd16  3 See NRCC-17-01 E for unconditioned spaces 3 Lighting information for existing spaces modeled is not included in the table  R. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E)1  Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft² in installed Watts (Conditioned)  Confirmed offices)  Complete Luminaire Description (i.e., Name or Item Tag 3-lamp fluorescent troffer, F3218. Watts per luminaire CEC Default According to Luminaire installed Watts Pass Fail	Compliance Scope· NewComplete Input File Name· AMS 24x40 for DSA - CZ15 (8) cibd16  U. ENERGY USE SUMMARY  Energy Component Standard Design Site (MWh) Rown (MWh) Standard Design Site (MBtu) (MBtu) (MBtu)  Indoor Fans 4.4 2.1 2.3	Input File Name:   AMS 24x40 for DSA - CZ15 (8).cibd16
P. SYSTEM DISTRIBUTION SUMMARY   § 120.4/ § 140.4(1)	ane dimmable electronic ballast) from NA8 \$130.0(c)  2x4 VTLED 2x4 - 60w LED 60 No Yes 8 480 □  If lighting power densities were used in the compliance model Building Departments will need to theck prescriptore forms for Eliminate Schedule details  \$1, COVERED PROCESS SUMMARY ~ ENCLOSED PARKING GARAGES \$140.9  This Section Does Not Apply  This Section Does Not Apply  This Section Does Not Apply	Indoor Lighting         1.8         1.0         0.8	RESPONSIBLE PERSON'S DECLARATION STATEMENT  I certify the following under penalty of perjury, under the laws of the State of California:  I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.  I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.  I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737 1.  Responsible Envelope Designer Name Randall P Cavannagh
Does the Project Include Zonal Systems? (if "Yes", see NRCC-PRF-MCH-DETAILS for system information)  Does the Project Include a Solar Hot Water System? (if "Yes", see NRCC-PRF-MCH-DETAILS for system information)  Multifamily or Hotel/ Motel Occupancy? (if "Yes", see NRCC-PRF-MCH-DETAILS for DHW system information)  Q. INDOOR CONDITIONED LIGHTING GENERAL INFO (see NRCC-PRF-LTI-DETAILS for more info) ³ 9 140.6  Confirmed  1. 2. 3. 4. 5.  Occupancy Type 1 Conditioned Floor Area 2 Installed Lighting Power Lighting Control Credits  Additional (Custom) Allowance	S3. COVERED PROCESS SUMMARY ~ COMPUTER ROOMS  This Section Does Not Apply  S4. COVERED PROCESS SUMMARY ~ LABORATORY EXHAUSTS  This Section Does Not Apply  T. UNMET LOAD HOURS  This Section Does Not Apply		Responsible Envelope Designer Name Randall P Cavannagh  Company: American Modular Systems   Gen7 Schools  Address: 787 Spreckels Avenue  Date Signed: 11/30/16  City/State/Zip. Manteca CA 95336  Declaration Statement Type: 1  Phone: 209.825.1921  Title Engineer  License #: C12631  Responsible Lighting Designer Name: Randall P Cavannagh  Company: American Modular Systems   Gen7 Schools  Address: 787 Spreckels Avenue  Date Signed: 11/30/16  City/State/Zip: Manteca CA 95336  Declaration Statement Type: 1
Occupancy Type   (ft²) (Watts) (Watts) Additional (Custom) Allowence	U. ENERGY USE SUMMARY  Energy Component Standard Design Site Proposed Design Site (MWh) Standard Design Site (MBtu) (MBtu)  Space Heating - 0.7 - 3.3	CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version; NRCC-PRF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:04 33	Phone: 209.825.1921  Responsible Mechanical Designer Name: Randall P Cavannagh  Company: American Modular Systems   Gen7 Schools  Address: 787 Spreckels Avenue  City/State/Zip, Manteca CA 95336  Declaration Statement Type: 1  Phone: 209.825.1921  Title: Engineer  License # C12631
Project Name AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 14 of 18 Project Address: Palm Springs-Int Calculation Date/Time: 09:04, Tue, Feb 27 2018 Compliance Scope. NewComplete Input File Name: AM5 24x40 for DSA - C215 (8).cibd16  NRCC-PRF-ENV-DETAILS -SECTION START-	Project Name: AMS Modular Classroom 24x40 NRCC-PRF-Q1-E Page 15 of 18 Project Address: Palm Springs-Int Calculation Date/Time: D9:04, Tue, Feb 27, 2018 Compliance Scope. NewComplete Input File Name: AMS 24x40 for DSA - C215 (8).cibd16  NRCC-PRF-MCH-DETAILS -SECTION START-  A. MECHANICAL VENTILATION AND REHEAT (Adapted from 2016-NRCC-MCH-Q3-E) Confirmed	Project Name: AMS Modular Classroom 24x40 Project Address- Palm Springs-Int Campilance Scope: NewComplete NRCC-PRF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:04 33  Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 16 of 18 Project Address- Palm Springs-Int Calculation Date/Time: Input File Name AMS 24x40 for DSA - CZ15 (8).cibd16  F. SOLAR HOT WATER HEATING SUMMARY (Adapted from NRCC-STH-01)	CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302 Report Generated at 2018-02-27 09-04:33  Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 17 of 18 Project Address. Palm Springs-Int Calculation Date/Time: 09-04, Tue, Feb 27, 2018 Compliance Scope: NewComplete Input File Name: AMS 24x40 for DSA - CZ15 (8).cibd16  8. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LTI-02-E) § 130.1
A. OPAQUE SURFACE ASSEMBLY DETAILS  1. 2. 3. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDITIONED CONDIT	G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS (Adapted from 2016-NRCC-MCH-01-E)  Declaration of Required Acceptance Certificates (NRCA) Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and segned to post in field for Field Inspector to verify).  MCH-11A  MCH-11A  MCH-11A  MCH-11A  Auto FDD for DX Auto Dennard Sh PDD for DX Unit Requiring Testing or Verification  Fast	This Section Does Not Apply \$130.1(a) ** Manual area controls, \$130.0(b) ** Multi Level, \$130.1(c) ** Auto Shut-Off, \$130.1(a) ** Manual area controls, \$130.0(b) ** Multi Level, \$130.0(c) ** Auto Shut-Off, \$130.1(a) ** Manual area Responsive*  C. TAILORED METHOD CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRCC-LTI-04-E) \$ 140.6  General lighting power (see Table D) 0  General lighting power from special function areas (see Table E) NA  Additional **use it or lose it** (See Table G) 0  Total waits 0  D. GENERAL LIGHTING POWER (Adapted from NRCC-LTI-04-E) \$ 140.6-D  This Section Does Not Apply  E. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS (Adapted from NRCC-LTI-04-E) \$ 140.6(c) 3H
B. OVERHANG DETAILS (Adapted from NRCC-ENV-02-E)  This Section Does Not Apply  C. OPAQUE DOOR SUMMARY  1. 2. 3. 4. 5. 6. 7. Opaque Door Assembly Name / Tag or I.D. Door Type Certification Method Operation Area Overall U-factor Status¹ U-factor Metal Door Metal Uninsulated Double Layer Door Default Performance Swinging 21 0 700 N .	B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY  1. 2. 3. 4. 5. 6. 7. 8. Confirmed  System ID System Type City (kBtuh) Heating Cooling Cooling Colons Tank Uncontrolled 1 NA NA NA NA Classrooms 1380 NA NA NA NA NA NA CICASSTOOMS TAN SUMMARY  C. EXHAUST FAN SUMMARY  This Section Does Not Apply  D. DHW EQUIPMENT SUMMARY - (Adapted from NRCC-PLB-01)	Verification  AC-1	Room Number Primary Function Area   filuminance Value (LUX)   Room Cavity Ratio (Table G)   Allowed LPD   Floor Area (ft²)   Allowed Watts   Pass   Fail   NA NA NA NA NA NA NA NA NA NA NA NA NA N
CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:04:33	This Section Does Not Apply  E. MULTI-FAMILY CENTRAL DHW SYSTEM DETAILS  This Section Does Not Apply  CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302 Report Generated at: 2018-02-27 09;04:33	Location in Bullding Coupancy Type (must meet requirements of Table 140.6-A)  Classroom 101  Classrooms, Lecture, Training, Vocational Areas  Type/Description of Lighting Controlled Lighting Sensor, manual dimming, etc.)  Type/Description of Lighting Controlled Lighting Controlled Lighting Factor  # of Units Controlled Adjustment Factor  Power Control Credit Watts  Pass Fail  Classrooms, Lecture, Training, Vocational Areas	Note: All applicable spaces are listed under the Man-Rectangular Spaces table
Project Name AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 18 of 18  Project Address Palm Springs-Int Calculation Date/Time. 09:04, Tue, Feb 27, 2018  Compliance Scope: NewComplete Input File Name AMS 24x40 for DSA - CZ15 (8) cibd16	Project Name: AMS Modular Classroom 24x40 NBCC PBF-01-E Page 1 of 18  Project Address: Blue Canyon Calculation Date/firme: 09-04, Tue Feb 27, 2018  Compliance Scope: NewComplete Imput File Name: AMS 24x40 for 05A - C216 (8) cibid 6  A PROJECT GENERAL INFORMATION  1. Project Location (city) Blue Canyon B. Standards Version: Compliance 2016 2. CA 2p Code B. Compliance Software (version) CBECC-Com 2016 3.0 Set 1  3. Climate Zone 16 30. Weather File BLUE-CANYON 735843 C75010 emp.	CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version; NRCC-PRF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:04:33    Project Name	Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 3 of 18  Project Address: Blue Canyon Calculation Date/Time: 09:04, Tue, Feb 27, 2018  Compliance Scope, NewComplete Input File Name: AMS 24x40 for 0SA - CZ16 (8).cibd16  G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY  Identify which building components use the performance or prescriptive path for compliance. "NA"= nat in project  For components that utilize the performance path, indicate the sheet number that includes mandatary notes on plans.
5. Wall Display This Section Does Not Apply  6. Sloor Display and Task Lighting	2. Compliance zone  4. Total Conditioned Floor Area in Scope  5. Total Unconditioned Floor Area  6. Total # of Stories (Habitable Above Grade)  7. Total # of dwelling units  8. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr)  8. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr)  8. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr)  8. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr)  8. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr)  8. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr)  8. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr)  8. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr)  8. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr)  8. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr)  9. Frequent Settlement (TDV)  9.	Indoor Lighting. Check (girting)  Indoor Lighting  Indoor	Building Component  Compliance Path Compliance Forms (required for submattal)  Deformance NRCC-PRF-ENV-DETAILS (section of the NRCC-PRF-01-E)  Envelope Prescriptive NRCC-ENV-01 / 02 / 03 / 04 / 05 / 06-E  NA  Performance NRCC-PRF-MCH-DETAILS (section of the NRCC-PRF-01-E)  Mechanical Prescriptive NRCC-MCH-01 / 02 / 03 / 04 / 05 / 06 / 07-E  NA  Performance NRCC-MCH-01 / 02 / 03 / 04 / 05 / 06 / 07-E  NA  Performance NRCC-PRF-PLB-DETAILS (section of the NRCC-PRF-01-E)  NA  Performance NRCC-PRF-PLB-DETAILS (section of the NRCC-PRF-01-E)
8. Very Valuable Merchandise This Section Does Not Apply  H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCC-LTI-01-E and NRCC-LTO-01-E)  Declaration of Required Acceptance Certificates (NRCA)Acceptance Certificates that must be verified in the field. (Retain copies and verify forms are completed and signed to post in field for Field inspector to verify).  Test Description  Indoor  Outdoor  Confirmed  NRCA-LTI-02-A  RRCA-LTI-03-A  NRCA-LTI-04-A  NRCA-LTI-04-A  Outdoor  Controls  Outdoor  Confirmed  Page 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or 100 or	Space Heating	The building does not include service water heating. Verify that service water heating is not required and is not included in the design.  E. HERS VERIFICATION  This Section Does Not Apply  F. ADDITIONAL REMARKS  Roof: the roof U-value has been calculated using EZFrame per CEC guidance; U-value = 0.070	Domestic Hot Water    Prescriptive   NRCC-PLB-01-E
Testing or Verification # or units Switch Auto Daylight Demand Responsive Outdoor Controls # Occupant Sensors 1	Other Ug Process Motion Foral 344.02 291.91 52.1 15.15	CA Building Energy Efficiency Standards- 2016 Nonvesidential Compliance Report Version; NRCC-PRF-01-E-122020178-5302 Report Generated at: 2018-92-27 09:06.18	Covered Process. Laboratory Exhaust    Performance   S4 (section of the NRCC-PRF-01-E)

Record Conscional at 2018.03.32 08:08-18

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Renort Version: NRCT.PRF-01-3-1730781178-4907

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/11/2021

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PRE-CHECKED SET NAME

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version, NRCC-PRF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:06:18

24'x40' THRU 24'x120' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

**ENERGY CALCULATIONS** 

MANUFACTURER PROFESSIONAL OF ECORD ON PC

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL

DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP.# 82-115700 PATE 6 1818

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT PC 02-115700 AC___FLS___SS_&O___ DATE__8-31-2018

PRE-CHECK (PC) DOCUMENT **CODE: 2016 CBC** A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

DRAWN BY: AS NOTED SHEET NUMBER

Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 4 of 18  Project Address: Rise Careera Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Co	Project Name: AMS Modular Classroom 24x40 Project Address: Blue Canyon	NRCC-PRF-O1-E Page 5 of 18  Calculation Date/Time. 09:04, fue, Feb 27, 2018	Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 6 of 18 Project Address: Blue Canyon Calculation Date/Time: 09:04, Tue, Fe	
Project Address: Blue Caryon Calculation Date/Time. 09:04, Tue, Feb 27, 2018  Compliance Scope: NewComplete Input File Name: AMS 24x40 for DSA - CZ16 (8).cibd16  G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY	H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFIC Documentation Author to indicate which Certificates must be submitted for (fletain copies and verify forms are completed and signed to post in field for	the features to be recognized for compliance	H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV)  Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance	Confirmed H.
The following building components are only eligible for prescriptive compliance, indicate which are relevant to the project.  Yes NA Prescriptive Requirement Compliance Forms  The following building components may have mandatory requirements per Part 6, Indicate which are relevant to the project.  Yes NA Mandatory Requirement Compliance Forms	Retain copies and verify forms are completed and signed to post in field for See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests an Building Component   Compliance Forms (required for submittel)	d forms by equipment.  Pass Fall	(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify)  See Tables G, and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.  Building Component   Compliance Forms (required for submittal)	Pass Fail Sec
Ughting (Indoor Unconditioned) §140.6   NRCC-LTI-01/02/03/04/05-E   Complex Systems   NRCC-CXR-01/02/03/05-E   NRCC-CXR	Envelope  NRCA-ENV-02-F- NFRC label verification for fene NRCI-MCII-03-E - For all buildings with Mechanic	al Systems	☐ NRCI-PLB-01-E - For all buildings with Plumbing Systems ☐ NRCI-PLB-02-E - required on central systems in high-rise residential, hotel/motel application. ☐ NRCI-PLB-03-E - Single dwelling unit systems in high-rise residential, hotel/motel application.	
□ ☑ Lighting (Sign) §140.8 NRCC-LTS-01-E ☑ □ Soler Ready* §110.10 NRCC-SRA-01 / 02-E  Covered Process: §120.6 NRCC-PRC-01-E  Parking Garage NRCC-PRC-02-E	☑ NRCA-MCH-03-A - Constant Volume Single Zone ☐ NRCA-MCH-04-H- Air Distribution Duct Leakage	MAC C C C	Plumbing  NRCI-PLB-21-E - HERS verified central systems in high-rise residential, hotel/motel application.  NRCI-PLB-22-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.  NRCY-PLB-21-H- HERS verified central systems in high-rise residential, hotel/motel application.	
Solar Thermal Water Heating: \$140.5 NRCC-STH-01-E Solar Thermal Water Heating: \$140.5 Solar Thermal Water Heating: \$140.5 Solar Thermal Water Heating: \$140.5 Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Thermal Water NRCC-PRC-06/07/08-E Solar Th	☐ NRCA-MCH-05-A- Air Economizer Controls ☐ NRCA-MCH-06-A- Demand Control Ventilation ☐ NRCA-MCH-07-A - Supply Fan Variable Flow Cor		<ul> <li>□ NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.</li> <li>□ NRCI-STH-01-E - Any solar water heating</li> <li>☑ NRCI-LTI-01-E - For all buildings</li> </ul>	
	☐ NRCA MCH-08-A- Valve Leakage Test ☐ NRCA-MCH-09-A - Supply Water Temp Reset Co Mechanical ☐ NRCA-MCH-10-A- Hydronic System Variable Flor		NRCI-LTI-02-E - Lighting control system, or for an Energy Management Control System (EMCS)  NRCI-LTI-03-E - Line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection energize only line-voltage track lighting	
	NRCA-MCH-11-A ~ Auto Demand Shed Controls     NRCA-MCH-12-A-Packaged Direct Expansion Unit     NRCA-MCH-12-A-Packaged Direct E		indoor Lighting  O NRCH-TH-04-E - Two interlocked systems serving an auditorium, a convention center, a conference room, or a  O NRCH-TH-05-E - Lighting Control Credit Power Adjustment Factor (PAF)  O NRCH-TH-06-E - Additional wartage installed in a video conferencing studio	theater D D D D D D D D D D D D D D D D D D D
	☐ NRCA-MCH-13-A- Air Handling Units and Zone T ☐ NRCA-MCH-14-A- Distributed Energy Storage ☐ NRCA-MCH-15-A — Thermal Energy Storage		NRCA-ITI-02-A - Occupancy sensors and automatic time switch controls.     NRCA-ITI-03-A - Automatic daylighting controls.	0 0 7.0
	☐ NRCA-MCH-16-A. Supply Air Temp Reset Control ☐ NRCA-MCH-17-A – Condensate Water Temp Res ☐ NRCA-MCH-18-A. Energy Management Controls	et Controls O O	U NRCI-LTO-01-E - Outdoor Lighting Control System  Outdoor Lighting  D NRCI-LTO-02-E-EMCS Lighting Control System	0 0 50 500 500 500 500 500 500 500 500
	☐ NRCV-MCH-04-H: Duct Leakage Test		Sign Lighting Sign Lighting Control  Sign Lighting NRCI-ELS-OI-E - Sign Lighting  Electrical NRCI-ELC-OI-E - Electrical Power Oistribution	
	## Builden Comm. ##Halana, Frankrik #### Almesteidantid Compliana	Annual Marrian Arthur Wife Hall & Annual Wallet	Photovoltaic   NRCI-SPV-01-E Photovoltaic Systems	
CA Building Energy Efficiency Standards- 2015 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302 Report Generated at: 2018-02-27-09:06:18  Project Name:   AMS Modular Classroom 24x40   NRCC-PRF-01-E   Page 8 of 18	CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance  Project Name: AMS Modular Classroom 24x40	Report Version: NRCC-PRF-Q1-E-122020178-5302 Report Generated at: 2018-02-27 69-06:18    NRCC-PRF-Q1-E   Page 9 of 18	CA Building Energy Efficiency Standards 2016 Nonresidential Compliance Report Version; NRCC-PRF-01-E 122020178-5302  Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 10 of	Report Generated at: 2018-02-27 09:06:18 CA E
Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 8 of 18  Project Address: Blue Canyon Calculation Date/Time: 09:04, Tue, Feb 27, 2018  Compliance Scope: NewComplete Input File Name: AMS 24x40 for DSA - C216 (8).cibd16	Project Address: Blue Carryon  Compliance Scope: NewComplete	Calculation Date/Time 09:04, Tue. Feb 27, 2018  Input File Name: AMS 24x40 for DSA - C216 (8).cibd16	Project Address: Blue Caryon Calculation Date/Time: 09:04, Tue	
J. FENESTRATION ASSEMBLY SUMMARY  1. 2. 3. 4. 5. 6. 7. 8. 9.  Fenestration Assembly Name / Fenestration Type / Product Type  Cartification Mathed Assembly Method Assembly Name / Overall Overall S S	M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information of the property of the second of the system Equipment () (fan to be seen as a second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	nation) § 110.1/§ 110.2  6 Economizer info included below in Table N) Confirmed  6 7. 8 9. 10. 11.	O. EQUIPMENT CONTROLS  1. 2. 3  Equip Name Equip Type Cont	reconstruction and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second
Tag or I.O. / Frame Type Certification Method! Assembly Method Area ft2 U-factor SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC VT & SHGC	Equip Name Equip Type (Simple 2 or Qty Output (kBtu/h)	Supp Heat Supp Heat Total Cooling Efficiency Acceptance Source (Y/N) Output Output Required? (Y/N) 5	No DCV No Seor AC-3 SPYHP No Supply AF No Optim	tomister Femp. Control Cor
Nowly installed fenestration shall have a certified HTRC tobal Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (CDG) values are for the glass-only, determined by the mundpactures, and are shown for asset of verification. Size build fenestration values are calculated per Navassidented Appendix NAS and are used in the analysis.  2 Status N - Mans A - Allorest, E - Existing	AC-1 SPVHP Simple 1 45	No 0 41 EFR-10 20 COP-3.00 Yes N C	No Evapora No Heat	Recovery
Taking compliance credit for fenestration shading devices? (if "Yes", see NRCC-PRF-ENV-DETAHS for more information)  K. OPAQUE SURFACE ASSEMBLY SUMMARY  § 120.7/ § 140.3 Confirmed	³ Care Systems Equipment includes furnices, air handling units, heat pureys, etc. ³ Simple Systems must complete NRCC-CHR-US-8 communicationing design review form ³ Complex Systems inust complete NRCC-CHR-US-8 communicationing session review form ⁶ A zommany of which accordance tests are applicable to provided in NRCC-PAP-ACI-UKTALS.		P. SYSTEM DISTRIBUTION SUMMARY  Ory System Distribution  1. 2. 3. 4. 5.	20.4/ § 140.4(t) Confirmed
1. 2. 3. 4. 5. 6. 7. 8. 5. Surface Name  Surface Type  Area (R*) Framing Cavity Continuous U-Factor / F-Factor Type R-Value R-Value / C-Factor Type R-	* States: N - New, A - Altered, E - Deliting  Wet System Equipment Section Does Not Apply		4-varie	Location Status 2 2 51.
Concr. Slab over Craw/space         ExteriorFloor         960         NA         0         NA         U-Factor: 0.210         N         □           Roof: U=0.70 per EZFrame         Roof         960         Metal         19         2         U-Factor: 0.071         N         □           R-13 in metal frame + R-S c.l.         ExteriorWall         1780         Metal         13         5         U-Factor: 0.098         N         □	Discrepancy between modeled and designed equipment sizing? (if "Yes", see Table  N. ECONOMIZER & FAN SYSTEMS SUMMARY ¹	E "Additional Remarks" for an explanation)  No  \$ 140.4   Confirmed	Status N. New E - Enting  Does the Project Include Zonal Systems? (If "Yes", see NRCC-PRF-NCH-DETAILS for system information)	Conditioned N D D S2. This No No S3.
L. ROOFING PRODUCT SUMMARY  5 140.3 Confirmed  1. 2. 3. 4. 5. 6. 7.	1. 2. 3. Outside Supply Fan	4. S. Return Fan Economizer Type 2 2	Does the Project Include a Solar Hot Water System? (If "Yes", see NRCC-PRF-MCH-DETAILS for system information)  Multifamily or Hotel/ Motel Occupancy? (If "Yes", see NRCC-PRF-MCH-DETAILS for DHW system information)  Q. INDOOR CONDITIONED LIGHTING GENERAL INFO (see NRCC-PRF-LTI-DETAILS for more info)*	No
Product Type Product Density (lb/ft²) Reflectance Emittance SRJ Cool Roof Credit Description  Roof: U=0 70 per EZFrame 3.163 0.08 0.75 NA No NA D	CFM   CFM   HP   BHP   (Inch   Cont   WC)	rot CFM HP BHP (Inch Control (if present)		Confirmed Thi
	Mechanical reconstron calculations and enhant fine are included in the hold C-PM-64CH-DETAVLS rection		Occupancy Type ( Conditioned Floor Area 2 Installed Lighting Power Lighting Control Credits (Watts) Addition (Watts)  Area Category Foo (Watts)	onal (Custom) Allowence 2 3
			Classrooms, Lecture, Traviling, Vocational Areas 960 480 0 0  Building Totals: 960 480 0 0	• 0 0
CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version: NRCC-PRF-Q1-E-122020178-5302 Report Generated at: 2018-02-27 09-06-18	CA Building Energy Efficiency Standards-2016 Nonresidential Compliance	Report Version. NRCC-PRF-01-6-132020178-5302 Report Generated at: 2018-02-27 09:06:18	See Maje 149.6-C  CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance Report Version, NRCC-PRF-01-E-122020178-5302	Report Generated at: 2018-02-27 09:06:18 CA 8
Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 12 of 18	Project Name: AMS Modular Classroom 24x40	NRCC PRF-01 E Page 13 of 18	Project Name. AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 14 of 18 Project Address: Blue Canyon Calculation Date/Time: 09-04, Tue, Feb	Project N
Project Address: Blue Caryon Calculation Date/Time: 09:04, Tue, Feb 27, 2018  Compliance Scope: NewComplete Input File Name: AMS 24x40 for OSA - C216 (8),cibd16	Project Address: Blue Caryon Compliance Scope: NewComplete  DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	Calculation Date/Time: (19:04, Tue, Feb 27, 2018 Input File Name, ANS 24x40 for DSA - C216 (8),cbd16  \$ 10-103		DSA - CZ16 (8).cibd16 Complien
U. ENERGY USE SUMMARY  Energy Component Standard Design Site Proposed Design Site (MWh) (MWh) Standard Design Site (MWh) (MBtu) (MBtu) (MBtu) (MBtu)  Space Heating 6.8 25.7	I certify that this Certificate of Compliance documentation is accurate and comp Documentation Author Name. Hans Marsman, CEA, CEPE, LEED AP 8D+C Company: Brummit Energy Associates, Inc.	ロー・アー・アー・アー・アー・アー・アー・アー・アー・アー・アー・アー・アー・アー	A. OPAQUE SURFACE ASSEMBLY DETAILS  1. 2. 3.	Confirmed A. MECH
Space Heating	Address: 777 South Highway 101, Suite 203 City/State/Zip: Solsina Beach California 92075 Phone 619.531.1126	Signiffure Date.  CEA Identification (If applicable). NR 16-09-20024  CEA Identification (If applicable). NR 16-09-20024  OP-41:39 - 08:00	Surface Name Surface Type Description of Assembly Layers  Concr Slab over Crawlspace ExteriorFloor Concrete - 140 ib/ft3 - 4 in.	Notes E E
Pumps & Misc	RESPONSIBLE PERSON'S DECLARATION STATEMENT  I certify the following under penalty of perjury, under the laws of the State of Ca  I thereby affirm that I am eligible under the provisions of Division 3 of	altornus.  The Burstiess and Professions Code to sign this document as the person responsible for its preparation; and that I am	Carpet - 3/4 in.  Metal Standing Seam - 1/16 in.	See EZFrame Report for U-factor 0.70
COMPUANCE TOTAL 8.2 9.3 -1.2 32.6 6.9 25.7  Receptacle 2.5 2.5 0.0	preparation; and that I am a licensed contractor performing this work	ness and Professions Code by section 5537.2 or 6787.3 to sign this document as the person responsible for its	Acoustic Tile - 3/8 in.  Wood siding - 1/2 in.  Wood siding - 1/2 in.  Vapor permeable felt - 1/8 in.  ExteriorWall Compliance Insulation 85.00	Class:
Other Lig	Business and Professions Code Sections 5537 5338 and 6787.1  Responsible Envelope Designer Name: Rendall P Cavanough  Company: American Modular Systems   Gen7 Schools	- Raull llucy	Metal framed walf, 16in. OC, 3.Sin., R-13 Gypsum Board - 1/2 in.	B.ZONA
101AL 3.07 11.0 ALL 3.09 0.9 (3.7)	Address, 787 Sprecises Avenue City/State/Rip: Manteca CA 95336 Phone, 209, 828, 1921	Date Signed 11/33/16  Declaration Statement Type 1  Trite Engineer   License & CL7831	B. OVERHANG DETAILS (Adapted from NRCC-ENV-02-E) This Section Does Not Apply	
	Responsible sighting Designer Name: Randall P Cavannagh Company: American Modular Systems   Gen7 Schools Address, 787 Sprecisels Avenue	Dise Server 11/30/16 Quall luny	C. OPAQUE DOOR SUMMARY  1. 2. 3. 4. 5.  Opaque Door Assembly Name Door Type Certification Method Operation Area	6. 7.  Overall Status*  Confirmed Sys  Fail Classed
	City/State/Zip Mantecs CA 95336  Phone: 209 925 1922  Responsible Mechanical Designer Name Randell P Cavannagh	Declaration Statement Type: 1 Tale Engineer License R: C12631	/ Tag or i.D.  Metal Door MetalUninsulatedDoubleLayerDoor DefaultPerformance Swinging 21  **Stotos: N - Nins A - Altered. E Existing**	0.700 N C C. EXHAL
	Company American Modular Systems   Gen7 Schools Address: 787 Spreckels Avenue City/State/Tip: Manteca CA 95136	Date Signed: 11/30/16 Gulll Mury.		D. DHW This Section
	Phone: 209.825.1921  CA Building Energy Efficiency Standards: 2016 Nonresidential Compliance	7 file: Engineer Liconse 8: C32631  Report Version: NRCC-PRI-014-122020178-5302 Report Generated at: 2018-02-27 09:06:18		E. MULTI
CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NNCC-PRF-01-E-122020178-5302 Report Generated at: 2018-02-27 (99-06.18			CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-G1-E-122020178-5302	Report Generated at: 2018-02-27 09:06:18 CA Building
Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 16 of 18	Project Name: AMS Modular Classroom 24x40	NRCC-PRF-01-E   Page 17 of 18	Project Name: AMS Modular Classroom 24x40 NRCC-PRF-01-E Page 18 Project Address: Blue Canyon Calculation Date/Time: 09.04, To	of 18 Proj. proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj. Proj.
Project Address: Blue Canyon Calculation Date/Time 09:04, Tue, Feb 27, 2018  Compliance Scope: NewComplete Input File Name: AMS 24x40 for USA - C216 (8) cibd16	Project Address: Blue Canyon Compliance Scope: NewComplete  B. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONT	Calculation Date/Time:   09:04, Tue, Feb 27, 2018   Input File Name:   AMS 24x80 for DSA - C216 (8).cbd16     ROLS (Adapted from NRCC-LTI-02-E)		AB for DSA - C216 (8).clbd.16
F. SOLAR HOT WATER HEATING SUMMARY (Adapted from NRCC-STH-01) This Section Does Not Apply  G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS (Adapted from 2016-NRCC-MCH-01-E)	This Section Boes Not Apply  11 to 1/81 - Morrow ores contract \$1 (40/8) - More Level \$1 (41/4) - Auro Secretif, \$1 (41/8) is 6 = 1	Accordations Despitates \$1 10.1(c) - Demand Responsive	1. 2. 3. 4.  Wall Display Combined Floor Display and Task Combined Ornamental and Special Very Valuable M	lerchandise Allowed Watts 2 2 3.
Declaration of Required Acceptance Certificates (NRCA) — Acceptance Certificates that may be submitted. (Retain copies and varify forms are completed and signed to post in field for Field Inspector to verify).	General lighting power (see Table D) General lighting power from special function areas (see Table E)	TE SUMMARY AND CHECKLIST (Adapted from NRCC-LTI-04-E)	0 0 0 0 C	0 0 0 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Test Description	Additional "use it or lose it" (See Table G)  D. GENERAL LIGHTING POWER (Adapted from NRCC-LTI-D4-E)	Total waits 0	This Section Does Not Apply  6. Floor Display and Task Lighting	7.
	The motivation registrate deviation in the first feature and the first features for the first feature for the first feature for the first feature for the first feature for the first feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature feature	§ 140.6-D	This Section Does Not Apply	
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	E. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS (Adapted	uminance Value   Room Cavety Ratio   Allowed LPO   Floor Area (ft*)   Allowed Watts   Confirmed   Floor Area (ft*)   Confirmed   Floor Area (ft*)   Confirmed   Co	7. Combined Ornamental and Special Effects Lighting This Section Does Not Apply  8. Very Valuable Merchandise	Spac Spac Spac
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AUST FAN SUMMARY  tion Does Not Apply  VEQUIPMENT SUMMARY — (Adapted from NRCC-PLB-01)	Thermal Zone I Classroom  Classroom  Classroom  Classroom  Classroom  Classroom  AM  Iddress Bitt  Ce Scope: Net  RF-MCH-DETAI  IANICAL VENTILAT  TIONED  NAME  TOOMS  AC-1	RS  Itama Coo  Itama C	Thermal Zo 150 150 150 150 150 150 150 150 150 150	2016-NRCC-MCH-0  MAXIMUM HEATING AIR FLOW (CPM) NA NA S.	OCCONTROL VALLED	NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-01-E-122070 NRCC-PRF-	Thermal Zone 150  150  150  150  150  150  150  150	Recort Generated a  2018  - CZ16 (8).cibd16  TRANSFER AIRFLOW (CFM)  360 NA   8.	2018-02-27 09-06-18  Confirme  Operable Window interlocks  N	
V EQUIPMENT SUMMARY - (Adapted from NRCC-PLB-01)	Thermal Zone N Classroom  Classroom  Classroom  Lassroom  Classroom  Lassroom  Lassroom  Classroom  Lassroom  Lassro	RS  Service Standards - 2016 SModular Classroo R Carryon MComplete  LS -SECTION ST  TON AND REHEAT  1. DESIGN AIR FROM GRANT AIR FROM GRANT AIR FROM ST  1. DESIGN AIR FROM GRANT AIR FROM ST  RMINAL UNIT SU  2. 3.	Thermal Zo 150  150  150  Nonresidential Commanum Primary  ART- (Adapted from PRIMARY MINIMUM PRIMARY  A. Rated Capaci (kBtuh)	2016-NRCC-MCH-0  MAXIMUM HEATING AR  NA  NA  NA  S.  Rty  Economizer	OCCOUNTS OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STRE	NRCC-PRF-01-E-122020 NRCC-PRF-01-E-122020 NRCC-PRF-01-E-122020 NN. VENT PER ABEA (CANUTTONED AREA (122) 960 NA 960 6.	Thermal Zone  150  150  150  150  150  150  150  15	Recort Generated a  2018  - C216 (8).cibd16  DESIGN VENT AIRFLOW (CFM)  360 NA N  8.  Fan	2018-02-27 09-06-18  Confirme  140-4n) (VIVI)  N	
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ng Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-122020178-5302 Report Generated at: 2018-02-27 09:06:18	Thermal Zone N Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom C	RS  Items Coo  Second Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperation Cooperat	Thermal Zo 150  150  Nonresidential Co m 24x40  ART- (Adapted from FLOWS  DESIGN PRIMARY MINIMUM PRIMARY AR  A. 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Fan  BHP Cycles  NA NA	Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme	
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VENT PER AREA  (172)  960  NA  960  CC-PRF-01-E-1220201	Thermal Zone 150  150  150  150  150  150  150  150	Record Generated a  2018  - C216 (8).cibd16  DESIGN VENT AIRFLOW (CFMs)  360 NA N  8.  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ngect Name: AMS Modular Classroom 120x40 NRCC-PRF-Q1-€ Page 1 of 19  yect Address: Blue Canyon Calculation Date/Time: 09:18, Tue, Feb 27, 2018  Input File Name: AMS 120x40 for DSA - CZ16 (8),cibd16  PROJECT GENERAL INFORMATION  Project Location (city) Blue Canyon 8. Standards Version Compliance 2016  CA Zip Code 9. Compliance Software (version) CRECC-Com 2016.3.0 SP1  Climate Zone 16 10. Weather File BLUE-CANYON_725845_CZ2010.epw  Total Conditioned Floor Area in Scope 4,800 ft² 11. Building Orientation (deg) (N) 345 deg  Total Unconditioned Floor Area 0 ft² 12. Permitted Scope of Work NewComplete	Thermal Zone N Classrooms  Classrooms  Classrooms  Classrooms  Classrooms  RF-MCH-DETAIL  IANICAL VENTILAT  TIONED NAME  AC-1  L SYSTEM AND TEI  1.  L SYSTEM AND TEI  2.  COOMS AC-1  L SYSTEM AND TEI  1.  L SYSTEM AND TEI  1.  COOMS AC-1  COO	RS  Hame Cook  Hame Co	Thermal Zo  150  Nonresidential Co  TART-  (Adapted from FLOWS  DESIGN PRIMARY MINIMUM PRIMARY  A.  Rated Capaci (kBtuh)  Heating Coo  NA N.  FIFTOM NRCC-PLE  TAILS  Blue Carn  16  4,800 8 ² 0.87 ²	2016-NRCC-MCH-0  ANAXIMUM HEATING AIR  NA  NA  NA  S.  Economizer  ling  A  NA  Report   SA-E)  POCCOUNTROL Version:  N AC-1  TOTAL  Ze	NRCC-PRF-01-E-1220201 NRCC-PRF-01-E-1220201 Input File Name:  CONDITIONED AREA (112)  960 NA 960 NA 960 PRF-01-E-12202011  NRCC-PRF-01-E-12202011	Thermal Zone  150  150  150  150  150  150  150  15	Recort Generated at 2018  2018  - C216 (8).cibd16  DESIGN VENT AIRFLOW (GNA)  360 NA N  360 NA N  8.  Fan  BMP Cycles  NA NA  ANA  Compliance 2016  BECC-Com 2016.3  BUE-CANYON_725  N) 345 deg seewComplete	2018-02-27 09:06:18  Confirme  Confirme  Solve  N		
yect Name: AMS Modular Classroom 120±40 NRCC-PRF-01-E Page 1 of 19 yect Address: Blue Canyon Calculation Date/Time: 09:18, Tue, Feb 27, 2018 mpliance Scope: NewComplete Input File Name: AMS 120±40 for DSA - C716 (8)-cibd16  PROJECT GENERAL INFORMATION  Project Location (city) Blue Canyon B. Standards Version Compliance2016 CA Zip Code 9. Compliance Software (version) CBECC-Com 2016.3.0 SP1 Climate Zone 16 10. Weather File BLUE-CANYON_725845_C22010.epw Total Conditioned Floor Area in Scope 4,800 R ² 11. Building Orientation (deg) (N) 345 deg Total Unconditioned Floor Area 0 ft ² 12. Permitted Scope of Work NewComplete Total # of Stories (Habitable Above Grade) 1 13 Building Type(s) Nonresidential Total # of dwelling units 0 14 Gas Type NaturalGas	Thermal Zone N Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom Classroom C	RS  Hame Cook  Hame Cook  SModular Classroo  E Carryon  NComplete  LS -SECTION SI  I. DESIGN AIR  I. DESIGN AIR  FROM  THE COOK  THE COO	Thermal Zo  150  150  150  150  150  150  150  15	2016-NRCC-MCH-0  MAXIMUM HEATING AIR  NA  NA  NA  S.  Report  Na  NA  Report  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	N AC-1 TOTAL  Ze  CI  CI  CI  CI  CI  CI  CI  CI  CI  C	NRCC-PRF-01-E-1220201  NRCC-PRF-01-E-1220201  Input File Name:  CONDITIONED AREA (122)  960 NA  960 NA  960 NA  123  NRCC-PRF-01-E-1220201  NRCC-PRF-01-E-122020	Thermal Zone  150  150  150  150  150  150  150  15	Recort Generated at 2018  CC216 (8).cibd16  DESIGN VENT AIRFLOW (CFMA)  360 NA N  360 NA N  8. Fan  BHP Cycles NA NA  NA NA  CEPOT Generated at 2016  DESCC-Com 2016.3  SUE-CANYON_725  NA S45 deg sewComplete Nonresidential	2018-02-27 09:06:18  Confirme  Confirme  Solve  N	
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Fan  BHP Cycles NA NA  NA NA  CEPOT Generated at 2016  DESCC-Com 2016.3  SUE-CANYON_725  NA S45 deg sewComplete Nonresidential	Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme	
yect Name: AMS Modular Classroom 120x40 NRCC-PRF-Q1-E Page 1 of 19 yect Address: Blue Carryon Calculation Date/Time: Q9:18, Tue, Feb 27, 2018 Input File Name: AMS 120x40 for DSA - C216 (8) clibd16  PROJECT GENERAL INFORMATION  Project Location (city) Blue Carryon 8. Standards Version Compliance 2016  CA Zip Code 9. Compliance Software (version) CRECC-Com 2016.3.0 SP1  Climate Zone 16 10. Weather File BLUE-CANYON_725845_CZ2010.epw  Total Conditioned Floor Area in Scope 4,800 R ² 11. Building Orientation (deg) (N) 345 deg  Total Unconditioned Floor Area (0 R ² 12. Permitted Scope of Work NewComplete  Total if of Stories (Habitable Above Grade) 1 13 Building Type(s) Nonresidential  Total of of dwelling units 0 14 Gas Type NaturalGas  COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²⁻ yr) § 140.1  BUILDING COMPLIES  1. Energy Component 2. Standard Design (TDV) 3. Proposed Design (TDV) 4. Compliance Margin (TDV) 5. Percent Better than Standard Acc Heating 37.74 100.56 62.82 -166.5%	Thermal Zone N Classrooms  Classrooms  Classrooms  Classrooms  Classrooms  Classrooms  Classrooms  Classrooms  RF-MCH-DETAll  IANICAL VENTILAT  TIONED  AC-1  IANICAL VENTILAT  TIONED  NAME  COOMS  AC-1  L SYSTEM AND TEI  1.  L SYSTEM AND TEI  1.  L SYSTEM AND TEI  1.  COMBON TEM  COOMS  C	RS  Hame Cook  Hame Cook  Hame Cook  Hame Cook  Hame Cook  Hame Cook  SModular Classroo  R Carryon  NComplete  LS -SECTION SI  L DESIGN ARR  L DESIGN ARR  HAMS AND REHEAT  L DESIGN ARR	Thermal Zo  150  150  I Nonresidential Commandary ART-  (Adapted from FLOWS  DESIGN PRIMARY ART  A. Rated Capaci (kBtuh)  Heating Cook  NA NA  MMMARY  4. Rated Capaci (kBtuh)  Heating Cook  16 A 800 R ² 16 A 800 R ² 16 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A	2016-NRCC-MCH-0  MAXIMUM HEATING AIR  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	PENERGY USE, UILDING	NRCC-PRF-01-E-1220201  NRCC-PRF-01-E-1220201  Input File Name:  CONDITIONED AREA  122  960  NA  960  N	Thermal Zone  150  150  150  150  150  150  150  15	Recort Generated at 2018  2018	Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme   Confirme	dard 166.5%
Page 1 of 19	Thermal Zone N Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classrooms Classro	RS  Hame Cook  Hame Cook  Hame Cook  Hame Cook  Hame Cook  Hame Cook  SModular Classroo  R Carryon  NComplete  LS -SECTION SI  L DESIGN ARR  L DESIGN ARR  HAMS AND REHEAT  L DESIGN ARR	Thermal Zo  150  150  I Nonresidential Commandary ART-  (Adapted from FLOWS  DESIGN PRIMARY ART  A. 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pyect Name: AMS Modular Classroom 120x40 NRCC-PRF-Q1-£ Page 1 of 19  Calculation Date/Time: 09:18, Tue, Feb 27, 2018  Input File Name: AMS 120x40 for DSA - CZ16 (8),clbd16  PROJECT GENERAL INFORMATION  Project Location (city) Blue Canyon 8. Standards Version Compliance 2016  CA Zip Code 9. Compliance Software (version) CBECC-Com 2016.3.0 SP1  Climate Zone 16  Total Conditioned Floor Area in Scope 4,800 ft ² 11. Building Orientation (deg) (N) 345 deg  Total Unconditioned Floor Area in Scope 0 ft ² 12. Permitted Scope of Work NewComplete  Total of Stories (Habitable Above Grade) 1 1 13 Building Type(s) Nonresidential  Total of dwelling units 0 14 Gas Type NaturalGas  COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ² -yr) \$ 140.1  BUILDING COMPLIES  1. Energy Component 2. Standard Design (TDV) 3. Proposed Design (TDV) 4. Compliance Margin (TDV) 5. 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IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/11/2021

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PRE-CHECKED SET NAME

24'x40' THRU 24'x120' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

**ENERGY CALCULATIONS** 

MANUFACTURER PROFESSIONAL OF RECORD ON PC

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL

APPROVED DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
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ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT PC 02-115700 AC__/FLS_/ SS_CON DATE_ 8-31-2018

PRE-CHECK (PC) DOCUMENT <u>CODE: 2016 CBC</u> A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

DRAWN BY: SCALE: AS NOTED DATE: SHEET NUMBER

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The follow	ing building	components are only eligible relevant to the	for prescriptive compliance, indicate which are a project.	The folio	wing buildin	g components may have mandator which are relevant to the p	y requirements per Part 6, indicate roject.
Yes	NA	Prescriptive Requirement	Compliance Forms	Yes	HA	Mandatory Requirement	Compliance Forms
8	C	Lighting (Indoor Unconditioned) §140.5	NRCC-LTI-01/02/03/04/05-E	8		Commissioning: §120.8 Simple Systems Complex Systems	NRCC-CXR-01/02/03/05-E NRCC-CXR-01/02/04/05-E
83	D	Lighting (Outdoor) §140 7	NRCC-11G-01/02/03-E	Ø	D	Electrical: §130.5	NRCC-ELC-01-E
O	83	Lighting (Sign) §140.8	NRCC-US-01-E	8	O	Solar Ready: §110.10	NRCC-58A-01/02-E
a		Solar Thermal Water Heating: §140.5	NRCC-STH-01-E	S	88 88 88 88	Covered Process. §120.6 Parking Garage Commercial Refrigeration Warehouse Refrigeration Compressed Air Process Boilers	NRCC-PRC-01-E NRCC-PRC-02-E NRCC-PRC-05-E NRCC-PRC-10-E NRCC-PRC-11-E

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Project Name	AMS Modular Classroom 120x40	NRCC-PRF-01-E	Page 5 of 19		
Project Address:	8lue Canyon	Calculation Date/Time:	09:18, Tue, Feb 27, 2018	<del></del>	***
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<b>Building Component</b>	Compliance Forms (required for submittel)			Pass	Fail
Envelope	⊠ NRCI-ENV-01-E - For all buildings				O
E) WCIONE	S NRCA-ENV-02-F- NFRC label verification for fenestration			a	
	3 NRCI-MCH-01-E - For all buildings with Mechanical Systems			O	
	NRCA-MCH-02-A- Outdoor Air			ū	D
	NRCA-MCH-03-A — Constant Volume Single Zone HVAC			О	
	☐ NRCA-MCH-04-H- Air Distribution Duct Leakage				
	☐ NRCA-MCH-05-A- Air Economizer Controls			O	
	☐ NRCA-MCH-D6-A- Demand Control Ventilation			D D	
	☐ NRCA-MCH-07-A – Supply Fan Variable Flow Controls			0	
	☐ NRCA-MCH-08-A- Valve Leakage Test			О	
	☐ NRCA-MCH-09-A - Supply Water Temp Reset Controls			О	D
Mechanical	☐ NRCA-MCH-10-A- Hydronic System Variable Flow Controls				D
	NRCA-MCH-11-A - Auto Demand Shed Controls			О	
	☐ NRCA-MCH-12-A- Packaged Direct Expansion Units				
	NRCA-MCH-13-A- Air Handling Units and Zone Terminal Uni	13			O
	☐ NRCA-MCH-14-A- Distributed Energy Storage			0	D
	☐ NRCA-MCH-15-A — Thermal Energy Storage				
	☐ NRCA-MCH-16-A- Supply Air Temp Reset Controls				
	NRCA-MCH-17-A - Condensate Water Temp Reset Controls			D	a
	□ NRCA-MCH-18-A- Energy Management Controls Systems			D	D
	☐ NRCV-MCH-04-H- Duct Leakage Test		~~- <del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>		

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Suilding Component	Compliance Forms (required for submittal)	Pass	Fail
Envelope	⊠ NRCI-ENV-01-E - For all buildings		
CHACIONE	NRCA-ENV-02-F- NFRC label verification for fenestration		
	☑ NRCI-MCH-01-E - For all buildings with Mechanical Systems		
	⊠ NRCA-MCH-O2-A- Outdoor Air	g	O
	NRCA-MCH-03-A — Constant Volume Single Zone HVAC		
	☐ NRCA-MCH-04-H- Air Distribution Duct Leakage		0
	□ NRCA-MCH-05-A- Air Economizer Controls		
	☐ NRCA-MCH-06-A- Demand Control Ventilation		0
	☐ NRCA-MCH-07-A – Supply Fan Variable Flow Controls		
	CJ NRCA-MCH-08-A- Valve Leakage Test	D D	
	☐ NRCA-MCH-09-A - Supply Water Temp Reset Controls		ū
Mechanical	☐ NRCA-MCH-10-A- Hydronic System Variable Flow Controls		D
	NRCA-MCH-11-A – Auto Demand Shed Controls		O
	☐ NRCA-MCH-12-A- Packaged Direct Expansion Units		0
	NRCA-MCH-13-A- Air Handling Units and Zone Terminal Units	٥	0
	☐ NRCA-MCH-14-A- Distributed Energy Storage	٥	
	NRCA-MCH-15-A - Thermal Energy Storage	О	
	☐ NRCA-MCH-16-A- Supply Air Temp Reset Controls	Ω	
	☐ NRCA-MCH-17-A — Condensate Water Temp Reset Controls		
	☐ NRCA-MCH-18-A- Energy Management Controls Systems	D	
	☐ NRCV-MCH-04-H- Duct Leakage Test		

Project Name	AMS Modular Classroom 120x40 NRG	C-PRF-01-E	Page 6 of 19		***************************************		
Project Address:	Blue Canyon Cale	ulation Date/Time	09·18, Tue, Feb 27, 2018	************			
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Building Component	Compliance Forms (required for submittel)			Pass	Fail		
	☐ NRCI-PLB-01-E - For all buildings with Plumbing Systems			0	0		
	☐ NRCI-PLB-02-£ - required on central systems in high-rise residential, hote	l/motel application.		O	Q		
	☐ NRCI-PLB-03-E - Single dwelling unit systems in high-rise residential, hote	i/motel application.		O	O		
Plumbing	☐ NRCI-PLB-21-E - HERS verified central systems in high-rise residential, hor	tel/motel application.		Ü	D		
	☐ NRCI-PLB-22-E - HERS verified single dwelling unit systems in high-rise re	sidential, hotel/motel	application.		O		
	☐ NRCV-PLB-21-H-HERS verified central systems in high-rise residential, ho	tel/motel application		O	O		
	NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise n	esidential, hotel/mote	i application.	а	O		
	NRCI-STH-01-E - Any solar water heating			O	O		
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	NRCI-LTI-02-E - Lighting control system, or for an Energy Management Co	ntrol System (EMCS)		O	Ö		
	NRCI-LTI-03-E - Line-voltage track lighting integral current limiter, or for a energize only line-voltage track lighting	supplementary over	urrent protection panel used to	а	O		
	☐ NRCI-LTI-04-E - Two interlocked systems serving an auditorium, a conven	tion center, a confere	ice room, or a theater	O	D		
Indoor Lighting	NRCI-LTI-05-E - Lighting Control Credit Power Adjustment Factor (PAF)			G I	O		
	☐ NRCI-LTI-06-E - Additional waitage installed in a video conferencing studi	Q		D	O		
	☐ NRCA-LTI-02-A - Occupancy sensors and automatic time switch controls.			0	O		
	☑ NRCA-LTI-03-A - Automatic daylighting controls			O	D		
	☐ NRCA-LTI-04-A - Demand responsive lighting controls			O	O		
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Sign Lighting	☐ NRCI-CTS-01-E – Sign Lighting		***************************************		O		
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	LIGHTING GENERAL INF	O (see NRCC-PRF-LT)-DETAIL	i for more info)*					<b>§ 140</b>	.6	S4. COVERED PRO	CESS SUMMARY - LABORATOR	Y EXHAUSTS				§ 140.9	
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or or market and or or	Conditioned Floor Area (h²)	Installed Lighting Power (Watts)	Lighting Control Cr (Watts)	edits	dditional (Cus	tom) Allowance		ä	Ŧ	This Section Does No						<del>and the factorial and the fac</del>	eriologica esidoroposos
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NRCC-PRF-MCH-DETAILS -SECTION START-

B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

D. DHW EQUIPMENT SUMMARY - (Adapted from NRCC-PLB-01)

CONDITIONED ZONE NAME

C. EXHAUST FAN SUMMAR

This Section Does Not Apply

This Section Does Not Apply

MECHANICAL VENTILATION AND REHEAT (Adopted from 2016-NRCC-MCH-03-E)

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Rated Capacity
(luRtuh)

Qty Heating Cooling

CA Building Energy Efficiency Standards- 2016 Nonresidential Compiliance Report Version; NRCC-PRF-Q1-E-122020178-5302

Project Name:	AMS Moduler Classroom 120	);40		NRCC-PRF-01-E Page 12 of 19						
Project Address	Blue Canyon		Calculation Date/Time: 09-18, Tue, Feb 2			: 09·18, Tue, Feb 27, 20	27, 2018			
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-	ndoor Fans	24.0	97		14,3	**	**	**		
K	rat Rejection	a.t	*	*****	**	**	**	••		
. 8	imps & Misc.			*****		**	44-1			
Dom	estic Hot Water	74	~		~	40.0	40.0	0,0		
In	door Lighting	9.0	49	******	41	7-9		-		
COM	PLIANCE TOTAL	38.6	50.2		-12.6	153.1	40,0	113.1		
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1		m that I am eligible under the provisions of Division 3 of le State of California as a civil engineer, mechanical engir			ament as the person responsible for its preparation; and that ${\bf i}$ a.
2		i am eligible under the provisions of Division 3 of the Bus and that I am a licensed contractor performing this work		ode by section 5537.2 or 67	37.3 to sign this document as the person responsible for its
3		am eligible under Division 3 of the Business and Profess Professions Code Sections 5537, 5538 and 6737.1.	ions Code to sign this d	ocument because it pertain	s to a structure or type of work described as exempt pursuant to
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A. INDOOR CO		CREDITS (Adapted from NRCC-L					§ 140.6		-
Lighting Cor		ghting controls installed in condition 0.6(a)2 and Table 140.6-A)	ed space for	Con	troi Credit Calcula	tion		Conf	irmed
Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.)	# of Units	Watts of Controlled Lighting	Power Adjustment Factor	Control Credit Watts	V If Acceptance Test Required	Pass	Fail

Project Name	K.	AMS A	Aodular C	lassroom	120×40					M	CC-PRF-0	1-€	Page	16 of 19						
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Classroom 102	Classrooms, Lecture, Training, Vocational Areas	- none specified -	1		0.00	0			О	0
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B. INDOOR COL	VOITIONED LIGHTING MANDATO	PRY LIGHTING CONTROLS (Adap	ited from NRCC-	LTI-02-E)		<del>978 10⁰ (2003) 2004 (2004)</del> 20		********	61	30.1
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IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT COPYRIGHT @ AMERICAN MODULAR SYSTEMS (AMS) AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. THESE DRAWINGS,
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PRE-CHECKED SET NAME SITE SPECIFIC PROJECT NAME SHEET TITLE **ENERGY CALCULATIONS** MANUFACTURER PROFESSIONAL OF MECORD ON PC THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD. PROJECT SPECIFIC STATE AGENCY APPROVAL DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP.# 22-1/5/20/DATE: (2.18.8) ORIGINAL PC STATE AGENCY APPROVAL IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

> PC 02-115700 AC__FLS__SS+O) DATE 8-31-2018 PRE-CHECK (PC) DOCUMENT **CODE: 2016 CBC** A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

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Project Name: AMS Modular Classroom 120N0   Settion Project Address: Blue Canyon   Calculation Date/Time: 05°18, Tue, Feb 27, 2018   Compliance Scope: NewComplete   Input File Name   AMS 120N0 for DSA - CZ16 (8) cibd 16    E. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS (Adapted from NRCC-LTI-04-E)   \$ 140.6(c) 3H   Continued   Room Number   Primary Function Area   Illuminance Value   Room Cavity Ratio   (Table G)   Allowed LPD   Floor Area (ft*)   Allowed Watts   NA NA NA NA NA NA NA NA NA NA NA NA NA N	Project Name: AMS Modular Classroom 120x80 NRCC-PRI-01-E Page 19 of 19 Project Address. Stue Caryon Canadana State 19 page 19 of 19 Project Address. Stue Caryon Complete 19 page 19 page 19 of 19 Project Address. Stue Caryon Accordance 19 page 19	## STATE OF CALMPOINNA ## STATE OF COMPULANCE ## STATE OF COMPULANCE ## STATE OF COMPULANCE ## Indoor Lighting ## SAMS 24-120x40 Ext 8 UC LTG ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitioned Floor Area: 0 ## Localitione	STATE OF CASPORNAL   NDOOR LIGHTING	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT  APP: 03-121484 INC:  REVIEWED FOR SS FLS ACS D DATE: 08/11/2021  INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT  COPYRIGHT @ AMERICAN MODULAR SYSTEMS (AMS)  AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS.  PRE-CHECKED SET NAME
E. Declaration of Required Certificates of Acceptance  Declare by selecting yes for all of the Certificates that will be submitted (Retain copies and verify forms are completed and signed.)  VES NO Compliance Document/Title  ONECA-LT-03-A - Must be submitted for occupancy sensors and automatic time switch controls.  ONECA-LT-03-A - Must be submitted for demand responsive lighting controls.  ONECA-LT-03-A - Must be submitted for demand responsive lighting controls.  ONECA-LT-03-A - Must be submitted for demand responsive lighting controls.  ONECA-LT-03-A - Must be submitted for demand responsive lighting controls.  ONECA-LT-03-A - Must be submitted for demand responsive lighting controls.  ONECA-LT-03-A - Must be submitted for institutional tuning power adjustment factor (PAF).	At Building Energy Efficiency Standards - 2016 Nonresidential Compliance  Report Version* MRCC-P8F-01 + (1-)2020178-3-302  Report Generated at: 2018-02-27 69-18:36  ANALY OF CALLFORNA  NDOOR LIGHTING  CERTIFICATE OF COMPULANCE  NRCC-LTF-01-18  One Propert  CERTIFICATE OF COMPULANCE  NRCC-LTF-01-18  One Propert  CERTIFICATE OF COMPULANCE  CERTIFICATE OF COMPULANCE  (Page 4 of 6)  This section shall be filled out ONLY for portable luminaires in Offices - Exception to Section 140.6(a)  This section shall be filled out ONLY for portable luminaires in offices (Ax defined in \$100.1). All other planned portable luminaires shall be documented on next page of this compliance document.  This section shall be filled out ONLY for portable luminaires in offices that are typical having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices hand, officer mit lighting yearns.  Office Portable Luminaire Description  (Le., LLD, under cabinet, furniture mounted directions of the compliance)  Total installed portable luminaire watts that are greater than 0.3 W/ft* per office:  Total installed portable luminaire watts that are greater than 0.3 W/ft* per office:  NRCC-LTT-01-E; Page 1	April 2016  SELENCELT OF CAUFORNA INDOOR LIGHTING  SELENCELT OF CAUFORNA INDOOR LIGHTING  SELENCELT OF COMPLANCE  RECORDING  SELENCELT OF COMPLANCE  RECOLUTION  RECORDING  SELENCELT OF COMPLANCE  RECOLUTION  RE	Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspector   Red Inspecto	STANDARD MODULAR BUILDINGS  SITE SPECIFIC PROJECT NAME  SHEET TITLE  ENERGY CALCULATIONS  MANUFACTURER PROFESSIONAL OF JECORD ON PC
April 2016  ### PROPERTY Efficiency Standards - 2016 Howesidestal Compliance  #### PROPERTY COMPRIANCE   INDOOR LIGHTING — LightITING CONTROLS   CERTIFICATE OF COMPRIANCE   (Page 1 of 3)	R LIGHTING - LIGHT GONTROLS  ATE OF COMPLANCE  (Page 2 of 3)  ANS 24-120x40 Ext & UC LTG  ANS 24-120x40 Ext & UC L	INDOC STATES A LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - LIGHT LINES - L	CA Building Georgy (Ricinery Standards - 2016 Reconsidential Connellance  OUR LIGHTING POWER ALLOWANCE  COLLINATE of Compliance - Indiced Lighting Power Allowance  (Page 1 of d)  Final of Compliance - Indiced Lighting Power Allowance  (Page 1 of d)  MRCCLTRGS-E  INDICATION OF COMPLIANCE Lighting Power Allowance  (Page 1 of d)  MRACY TOTALS OF LIGHTING POWER ALLOWANCES  Liung Compliance Building Method for compliance, use only the total in column (a) as total allowed building wasts.  Liung Compliance Building Method for compliance, use only the total in column (b) as the total forced building wasts.  Liung Compliance Building Method of Compliance, use only the total in column (b) as the total forced building wasts.  Liung Compliance Building Method Allowed Watts. Documented in section B of NRCCLTRGS-E (below on this page)  MRCCLTRGS-E Building Method Allowed Watts. Documented in section B of NRCCLTRGS-E (below on this page)  MRCCLTRGS-E Building Method Allowed Watts. Documented in section B of NRCCLTRGS-E (below on this page)  MRCCLTRGS-E Building Method Allowed Watts. Documented in section B of NRCCLTRGS-E (below on this page)  MRCCLTRGS-E Building Method Allowed Watts. Documented in section B of NRCCLTRGS-E (below on this page)  MRCCLTRGS-E Building Method Allowed Watts. Documented in section B of NRCCLTRGS-E (below on this page)  MRCCLTRGS-E Building Method Allowed Watts. Documented in section B of NRCCLTRGS-E (below on this page)  MRCCLTRGS-E Building Method Allowed Watts. Documented in section B of NRCCLTRGS-E (below on this page)  MRCCLTRGS-E Building Method Allowed Watts. Documented in section B of NRCCLTRGS-E (below on this page)  MRCCLTRGS-E Building Method Allowed Watts. Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E Building MRCCLTRGS-E B	THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.  PROJECT SPECIFIC STATE AGENCY APPROVAL  APPROVED  DIVISION OF STATE ARCHITECT  HIGH PERFORMANCE SECTION  APP,# 2 3 1/15 1/10 DATE  ORIGINAL PC STATE AGENCY APPROVAL
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CERTIFICATE OF COMPLIANCE  Outdoor Lighting  Freed Plants AMS 24-120x40 Ext & UC LTG  I. Outdoor Lighting Schedule and Field Inspection Energy Che  Luminaire Schedule	Ckilist  Installed Watts  Installed Watt	CERTIFICATE OF COMPLIANCE  Quidoor Lighting  AMS 24-120x40 Ext & UC LTG  DOCUMENTATION AUTHOR'S DECLARATION STATEMENT  1. I certify that this Certificate of Compliance documentation is documentation. Hans Marsman  Company  Brummitt Energy ASSC  Address  777 S. Highway 101, Suite  Chylster/Dp:  Solana Beach, CA 92075  RESPONSIBLE PERSON'S DECLARATION STATEMENT  I certify the following under penalty of perjury, under the laws of 1. The information provided on this Certificate of Compliance is 2. I am eligible under Division 3 of the Business and Professions (responsible designer).  3. The energy features and performance specifications, material Compliance conform to the requirements of Title 24, Part 1 at 4. The building design features or system design features identifications, plans and specification 5. I will ensure that a completted signed copy of this Certificate  5. I will ensure that a completted signed copy of this Certificate  5. I will ensure that a completted signed copy of this Certificate  5. I will ensure that a completted signed copy of this Certificate.	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Outdoor Lighting Power Allowances Train Name of Location for Number of Qualifying Outdoor Suffres Watts Power (2018)  Outdoor Lighting Power Allowance Per Allowance Shall be the smaller of the allowed lighting power or the actual lighting power used.  C-1. WATTAGE ALLOWANCE PER APPLICATION Table 140.7-8  C-1. WATTAGE ALLOWANCE PER APPLICATION Table 140.7-8  C-1. WATTAGE ALLOWANCE PER APPLICATION Table 140.7-8  C-2. WATTAGE ALLOWANCE PER APPLICATION Table 140.7-8  C-3. WATTAGE ALLOWANCE PER APPLICATION Table 140.7-8  C-4. WATTAGE ALLOWANCE PER APPLICATION Table 140.7-8  C-5. WATTAGE ALLOWANCE PER APPLICATION Table 140.7-8  C-6. WATTAGE ALLOWANCE PER APPLICATION Table 140.7-8  C-7. WATTAGE ALLOWANCE PER APPLICATION Table 140.7-8  C-8. WATTAGE ALLOWANCE PER APPLICATION Table 140.7-8  C-1. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-8  C-2. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-8  C-2. 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Wattage  Allowance per Application on this site (Allowance per Watts)  Sum total allowance per Allowance per Watts  Code or  Luminaire Description  Sum total allowance per Watts  Allowance per Watts  Code or  Watts Description  Code or  Luminaire Description  Sum total allowance per Watts  Allowance per Watts  Code or  Luminaire Descri	CENTRICATE OF COMPLIANCE  Quitoor Lighting Power Allowances Ingest here AMS 24-120x40 Est & UC LTG  C.S. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornemental Lighting) — Table 140.7-8  CI Allowance for the total site lithuminated hardscape area. Luminaires qualifying for this allowance shall be rated for Section 130.0(c), and shall be post-top luminaires, lanterns, pendant luminaires, or chandeliers.  CI if more than one luminaire type is used per location, use multiple rows for that location  O1	NRCC-LTO-Q3-E (Page 3 of 4)  Designation of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	ystem design identified on this Certificate of Compliance  ng design or system design identified on this Certificate of  the information provided on other applicable compliance  this building permit application.  ermit(s) issued for the building, and made available to the inpliance is required to be included with the documentation the		ORIGINAL PC STA  DISCRIPTION  OF THE  PC 02  AC FLS  DATE 8  PRE-CHECK CODE  A SEPARATE PRO.  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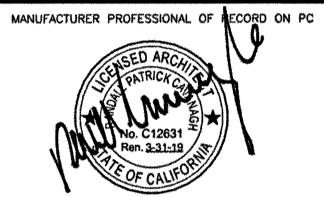
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Metablikarinan kanta kantatarinan nakantainan taran a dia	ficiency Standards - 2016 Nonrasidential Compliance, http://v	enterente de la companya de la companya de la companya de la companya de la companya de la companya de la comp La companya de la companya del companya de la companya de la companya del companya de la companya de la companya de la companya de la companya de la companya del companya del companya de la companya del companya de la companya de la companya de la companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya del companya d	

lectrical Power Distribution	
RCC-ELC-E (Created 12/17)	CALIFORNIA SHERBY COMMISSION *** *********************************
ERTIFICATE OF COMPLIANCE	Report Page: Page 3 of 3
roject Name: 2016 AMS 24x40 STANDARD PC	Date Prepared: 12/07/2017
roject Address: N/A (SITE SPECIFIC)	2014-7-10-10-10-10-10-10-10-10-10-10-10-10-10-
OCUMENTATION AUTHOR'S DECLARATION STATEMENT	
ocumentation Author Name: JACOB P. JONES	Documentation Author Signature:
ompany: AMERICAN MODULAR SYSTEM	Signature Date: 12/07/2017
ddress: 787 SPRECKELS AVE.	CEA/ HERS Certification Identification (if applicable);
hty/State/Zip: MANTECA, CA 95336	Phone: (209) 825-1921
ESPONSIBLE PERSON'S DECLARATION STATEMENT	
certify the following under penalty of perjury, under the laws of the Sta	
certify the following under penalty of perjury, under the laws of the Sta . The information provided on this Certificate of Compilance is true and	I correct.
certify the following under penalty of perjury, under the laws of the Sta . The information provided on this Certificate of Compilance is true and . I am eligible under Division 3 of the Business and Professions Code to	
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certify the following under penalty of perjury, under the laws of the Sta. The information provided on this Certificate of Compliance is true and it am eligible under Division 3 of the Business and Professions Code to Compliance (responsible designer). The energy features and performance specifications, materials, compose Certificate of Compliance conform to the requirements of Title 24, Part. The building design features or system design features identified on it compliance documents, worksheets, calculations, plans and specificate it will ensure that a completed signed copy of this Certificate of Compliant to the enforcement agency for all applicable inspections. I understand documentation the builder provides to the building owner at occupant asponsible Designer Name: RANDALL P. CAVANAGH	I correct.  accept responsibility for the building design or system design identified on this Certificate of onents, and manufactured devices for the building design or system design identified on this to 1 and Part 6 of the California Code of Regulations.  his Certificate of Compliance are consistent with the information provided on other applicable ions submitted to the enforcement agency for approval with this building permit application. Isance shall be made available with the building permit is sused for the building, and made available that a completed signed copy of this Certificate of Compliance is required to be included with the Ky.  Responsible Designer Signature:  Date Signed: 12/12/2017

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 03-121484 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 08/11/2021

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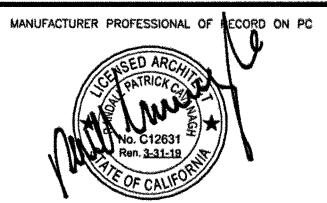
PRE-CHECKED SET NAME

24'x40' THRU 24'x120' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

**ENERGY CALCULATIONS** 



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL

APPROVED

DIVISION OF STATE ARCHITECT

HIGH PERFORMANCE SECTION

APP.# R.2 + 115 TUQ DATE. U. 88

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

PC 02-115700

AC _____ FLS ___ SS _____
DATE __8 -_3 [ - 20 [ 8]

PRE-CHECK (PC) DOCUMENT

CODE: 2016 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

A.

A.

DRAWN BY:

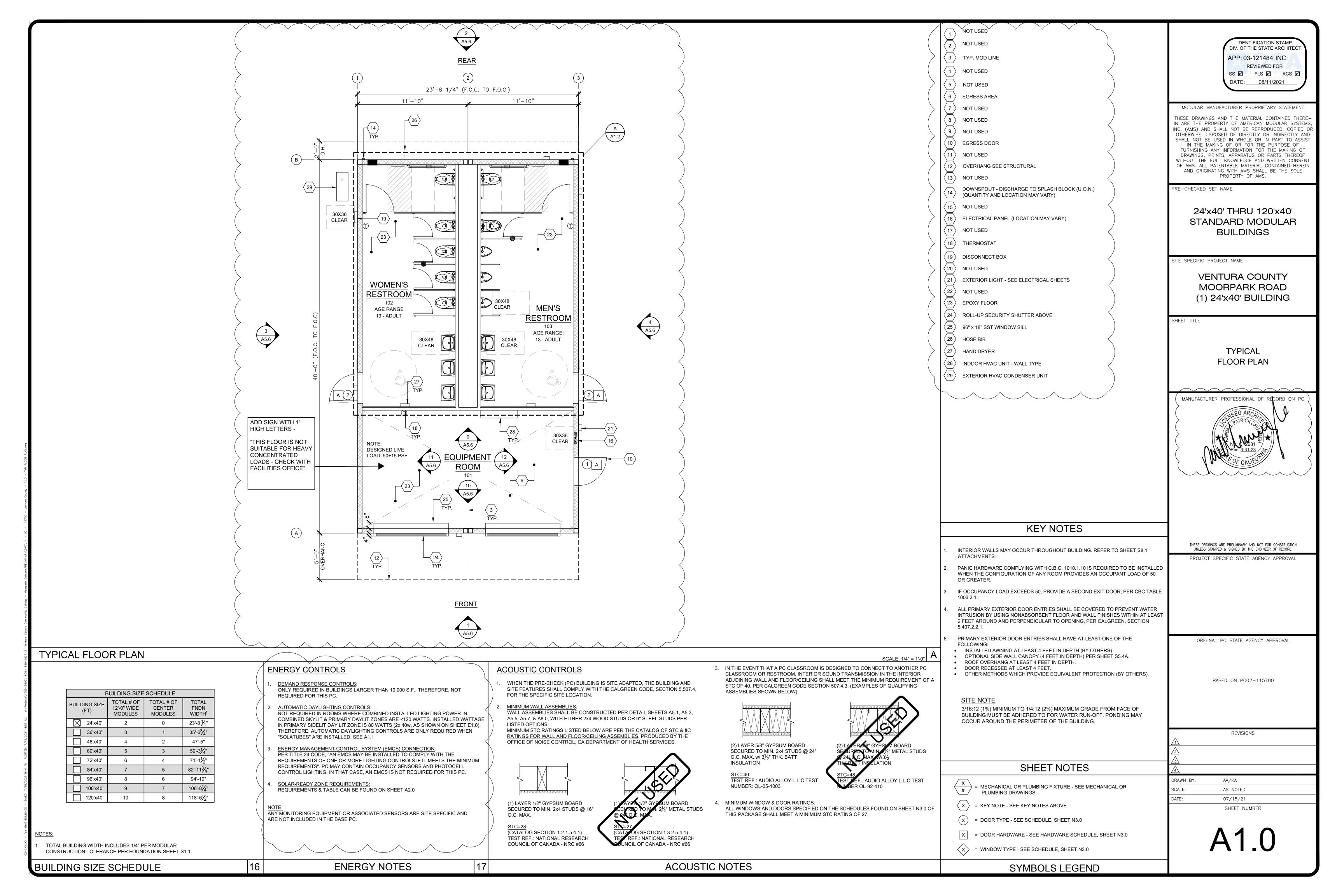
SCALE:

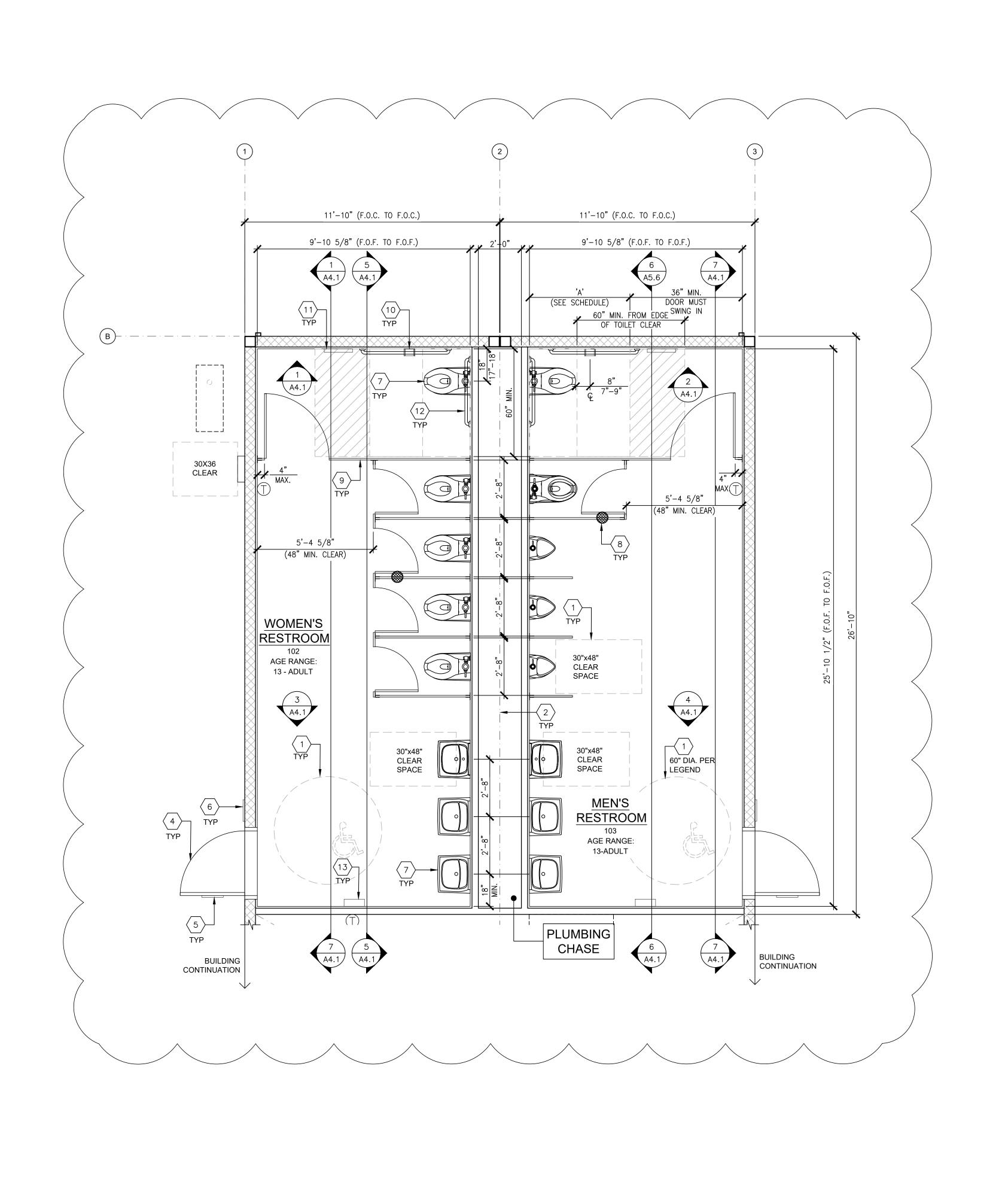
AS NOTED

DATE:

SHEET NUMBER

EN.9





RESTROOM FLOOR PLAN

CLEAR FLOOR SPACE AREA TYP. MOD LINE (3) NOT USED  $\langle$  4  $\rangle$  DOOR PER SCHEDULE ON SHEET N3.0, TYP. RESTROOM SIGNAGE (BY OTHERS) PER DETAILS 1-10, SHEET N4.0

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/11/2021

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PRE-CHECKED SET NAME

24'x40' THRU 120'x40' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

**VENTURA COUNTY** MOORPARK ROAD (1) 24'x40' BUILDING

SHEET TITLE

RESTROOM FLOOR PLAN **OPTIONS** 

MANUFACTURER PROFESSIONAL OF RECORD ON F 

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC02-115700

REVISIONS

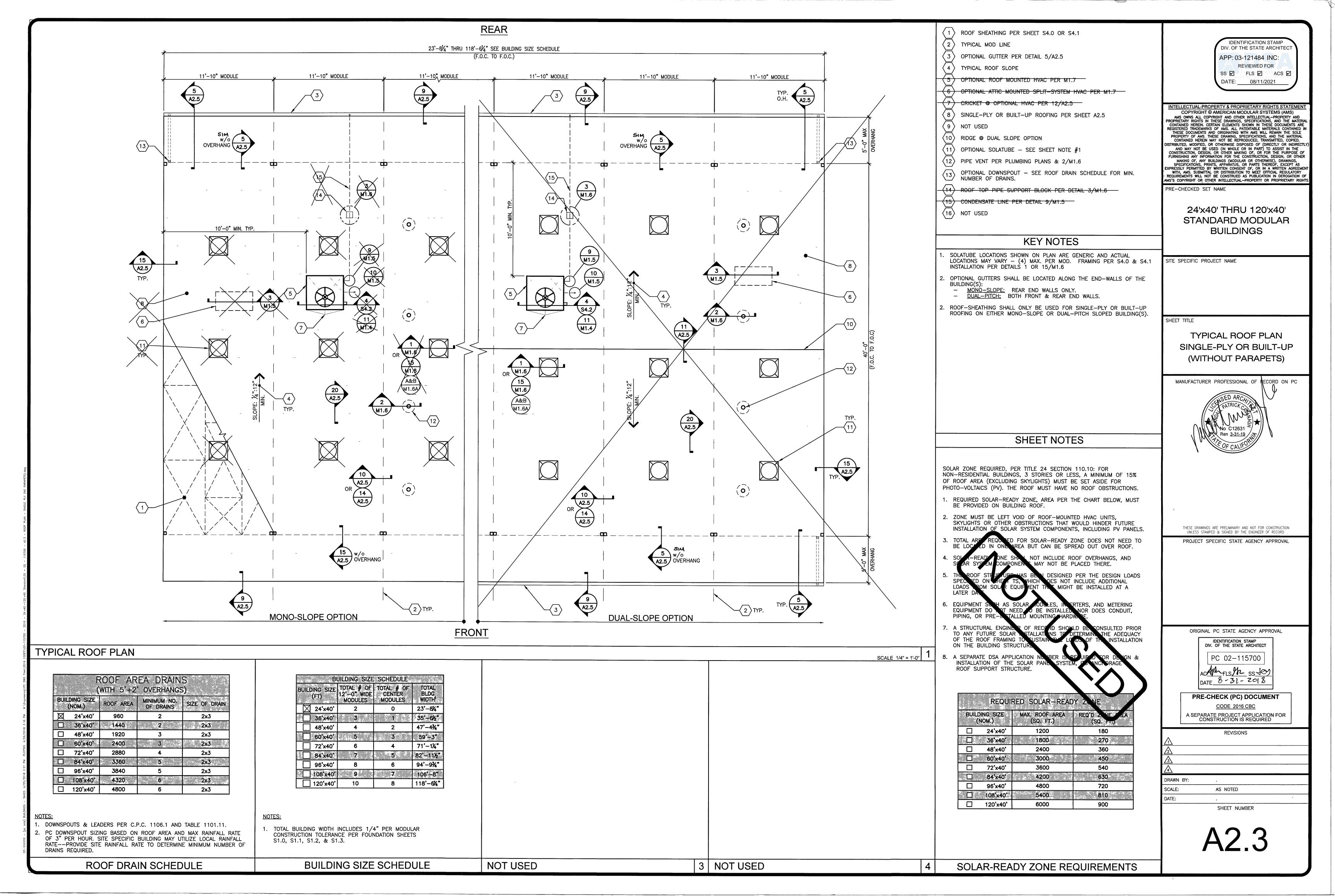
$\triangle$	
2	
<u>3</u>	
<u></u>	
DRAWN BY:	AA/KA
SCALE:	AS NOTED
DATE:	07/15/21
	SHEET NUMBER

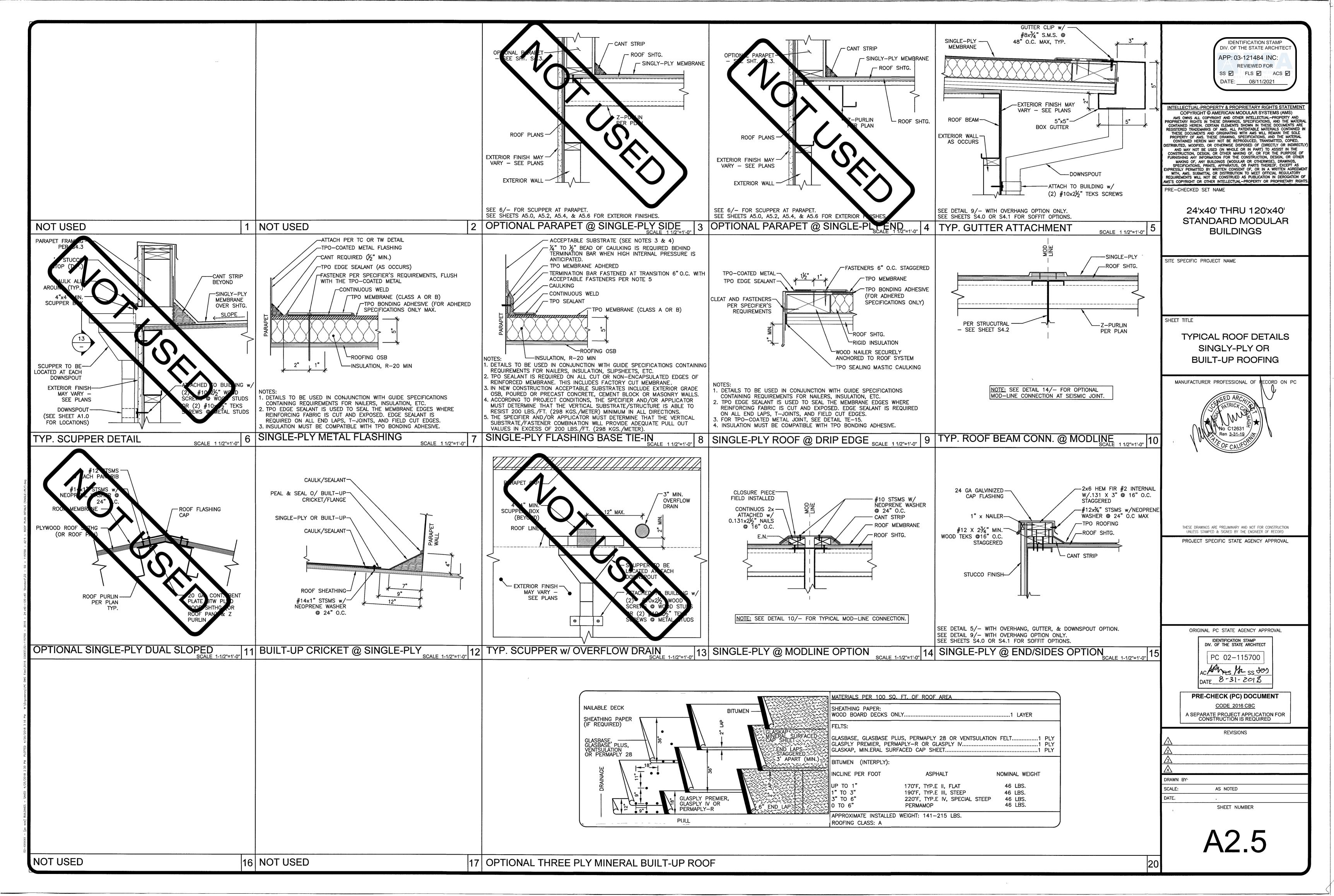
ROOM AND ISA SIGNAGE (BY OTHERS) PER DETAILS 5&9/N4.0 PLUMBING FIXTURE PER P1.0 (8) FLOOR DRAIN (LOCATIONS MAY VARY) - PER P1.0 -/ 1:48 FLOOR SLOPE MAX  $\langle$  9 angle TOILET PARTITION (ACCURATE, SOLID PLASTIC, OR EQUAL) TOILET TISSUE DISPENSER (BRADLEY MODEL 508-32, OR EQUAL)  $\langle 11 
angle$  TOILET SEAT COVER DISPENSER (BOBRICK MODEL B-221, OR EQUAL) (BY OTHERS)  $\langle 12 \rangle$  GRAB BARS – SEE 6/A7.1  $\langle 13 \rangle \langle$  HAND DRYER (BOBRICK MODEL B-7120) DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.N.O.) (QUANTITY AND LOCATION MAY VARY) **KEY NOTES** DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTED OTHERWISE (i.e. F.O.C., 🗘) RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION. RESTROOM MODULE OCCURS ONLY AT END OF BUILDING. SINGLE RESTROOMS MAY OCCUR IN ANY PART OF A BUILDING. 4. RESTROOM MODULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED TOGETHER WITH AT LEAST ONE OTHER MODULE OF THE SAME SIZE. 5. INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING. REFER TO SHEET S8.1 OR S9.1 FOR ATTACHMENTS. 6. REFER TO SCHEDULE 7/P2.0 FOR ACCESSIBLE HEIGHTS & DIMENSIONS. REFER TO DETAILS 3, 4 & 5, SHEET A7.1 FOR TOILET PARTITION ANCHORAGE BLOCKING. 8. SEWER AND WATER STUB OUTS SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON FLOOR PLAN AND CONNECTIONS SHALL BE EASILY ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHALL BE COORDINATED BY THE MANUFACTURER. 9. PIPING MATERIAL a. WATER: COPPER TYPE "L", 95/5 SOLDER. b. WASTE DRAIN AND VENT: ABS. 10. TOILET COMPARTMENT DOORS LOCATED IN THE FRONT PARTITION SHALL BE 4" MAXIMUM FROM THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET, PER C.B.C. SECTION 11B-604.8.1.2. PLUMBING NOTE MODULAR MFR. TO STUB THROUGH FLOOR ALL PLUMBING LINES. BUILDING PERIMETER POC'S SHOWN ARE FOR COORDINATION PURPOSES ONLY. ALL UNDER-FLOOR CONNECTIONS ARE BY SITE CONTRACTOR, U.O.N. SITE NOTE 3/16:12 (1%) MINIMUM TO 1/4:12 (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING. ACCESSIBLE MANEUVERING SPACE FOR WATER CLOSETS CHILDREN 59" MIN.
NON-CHILDREN 56" MIN. 1. ACCESSIBLE TOILET COMPARTMENT'S SHALL HAVE A MANEUVERING SPACE COMPLYING WITH 2016 CBC SECTION 11B-604.8.1.1. GENERAL NOTES  $\langle 1 \rangle$  = KEY NOTE - SEE KEY NOTES, THIS SHEET (X) = DOOR TYPE - SEE SCHEDULE SHEET N3.0  $\langle X \rangle$  = WINDOW TYPE - SEE SCHEDULE SHEET N3.0 = DOOR HARDWARE - SEE HARDWARE SCHEDULE SHEET N3.0 = 60" DIAMETER CLEAR FLOOR TURNING SPACE

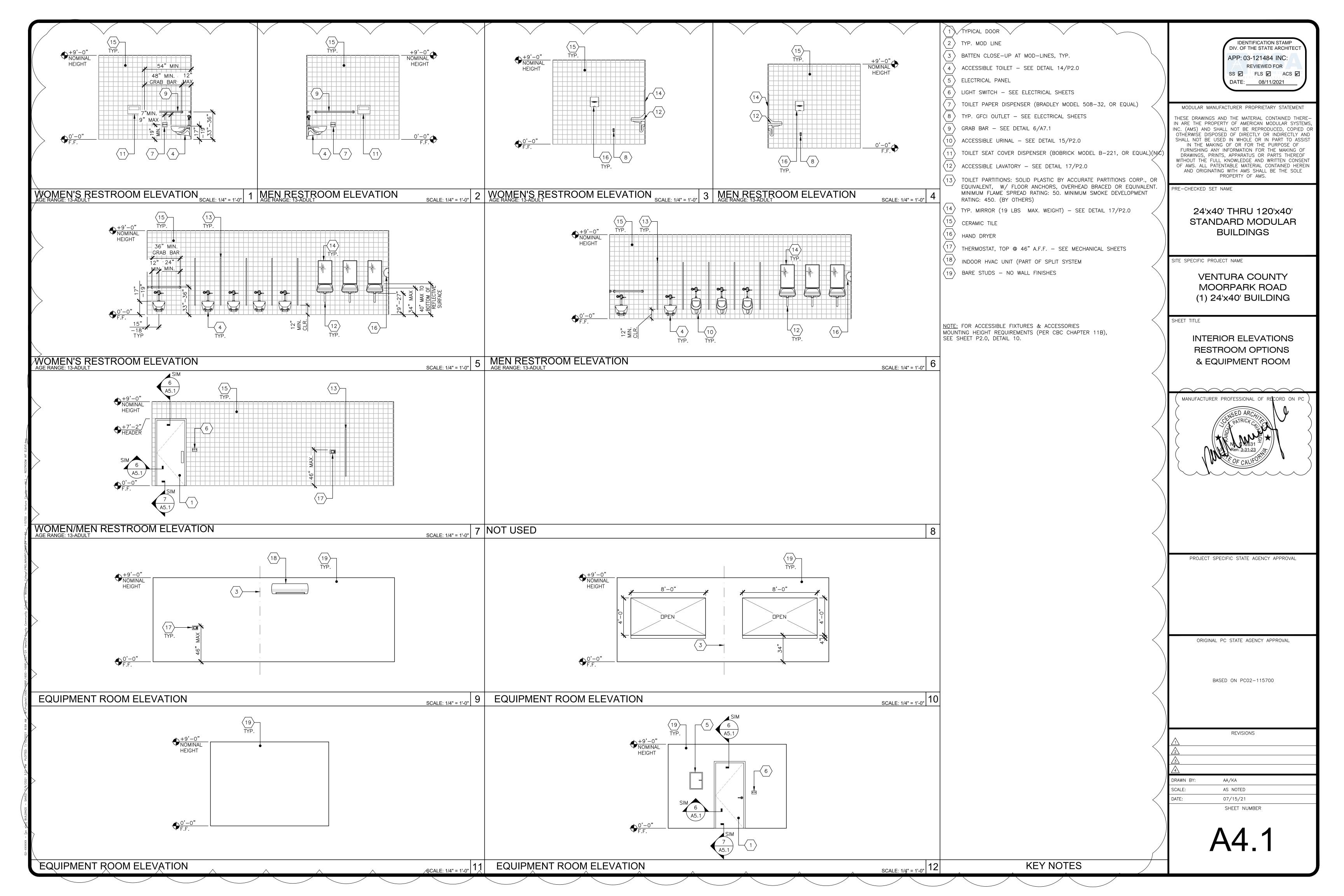
SCALE: 3/8" = 1'-0"

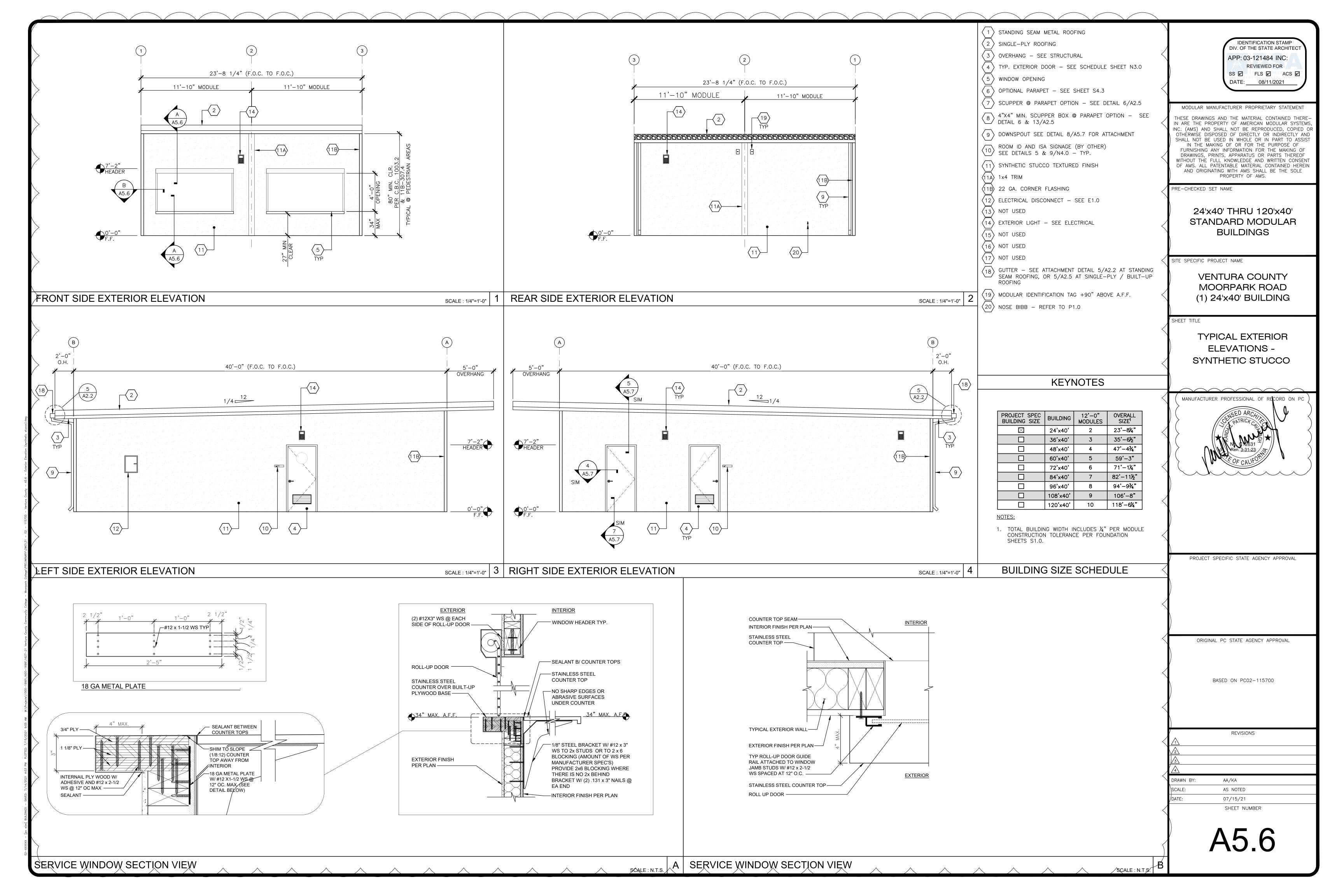
SYMBOLS LEGEND

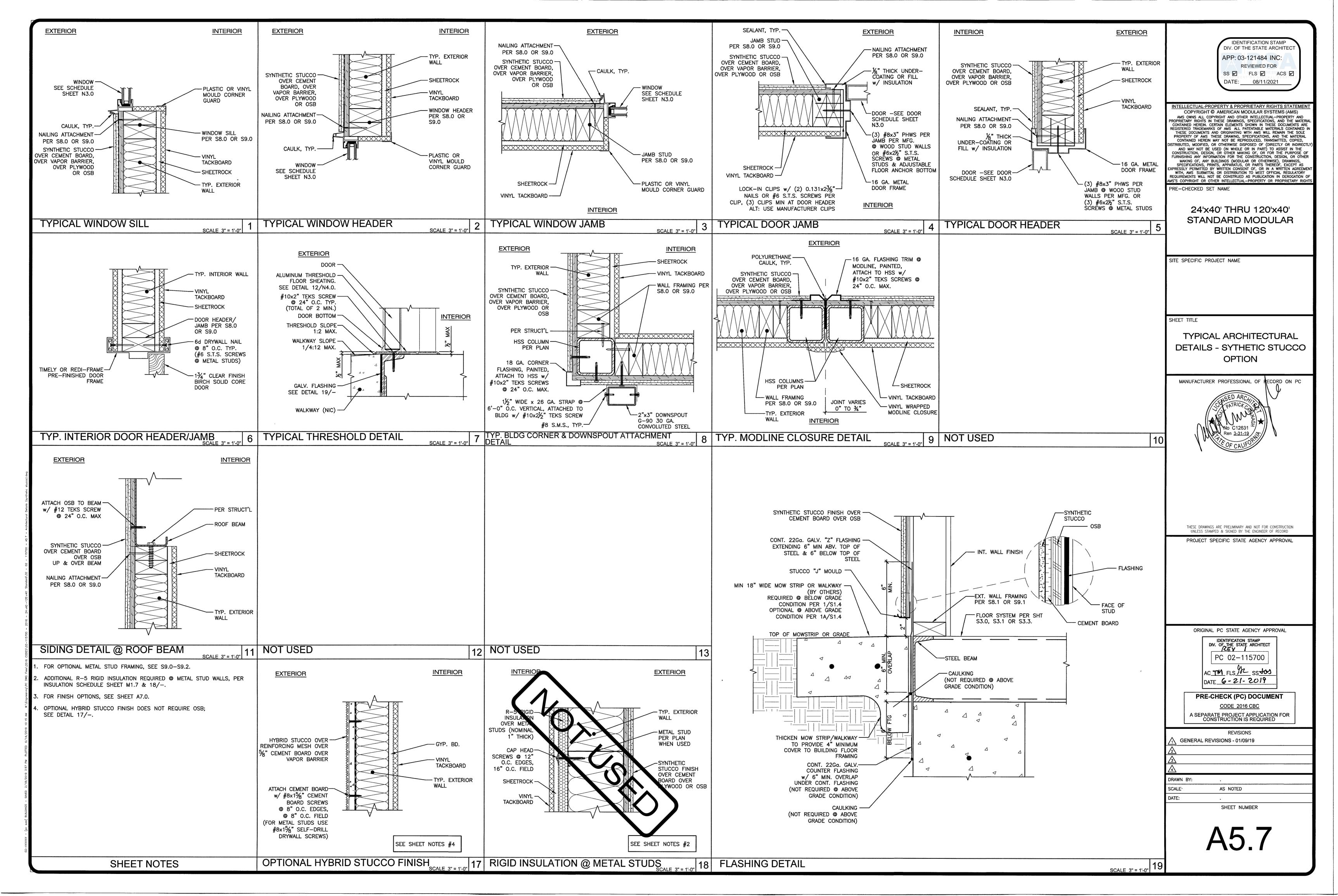
= 30"x48" CLEAR FLOOR SPACE

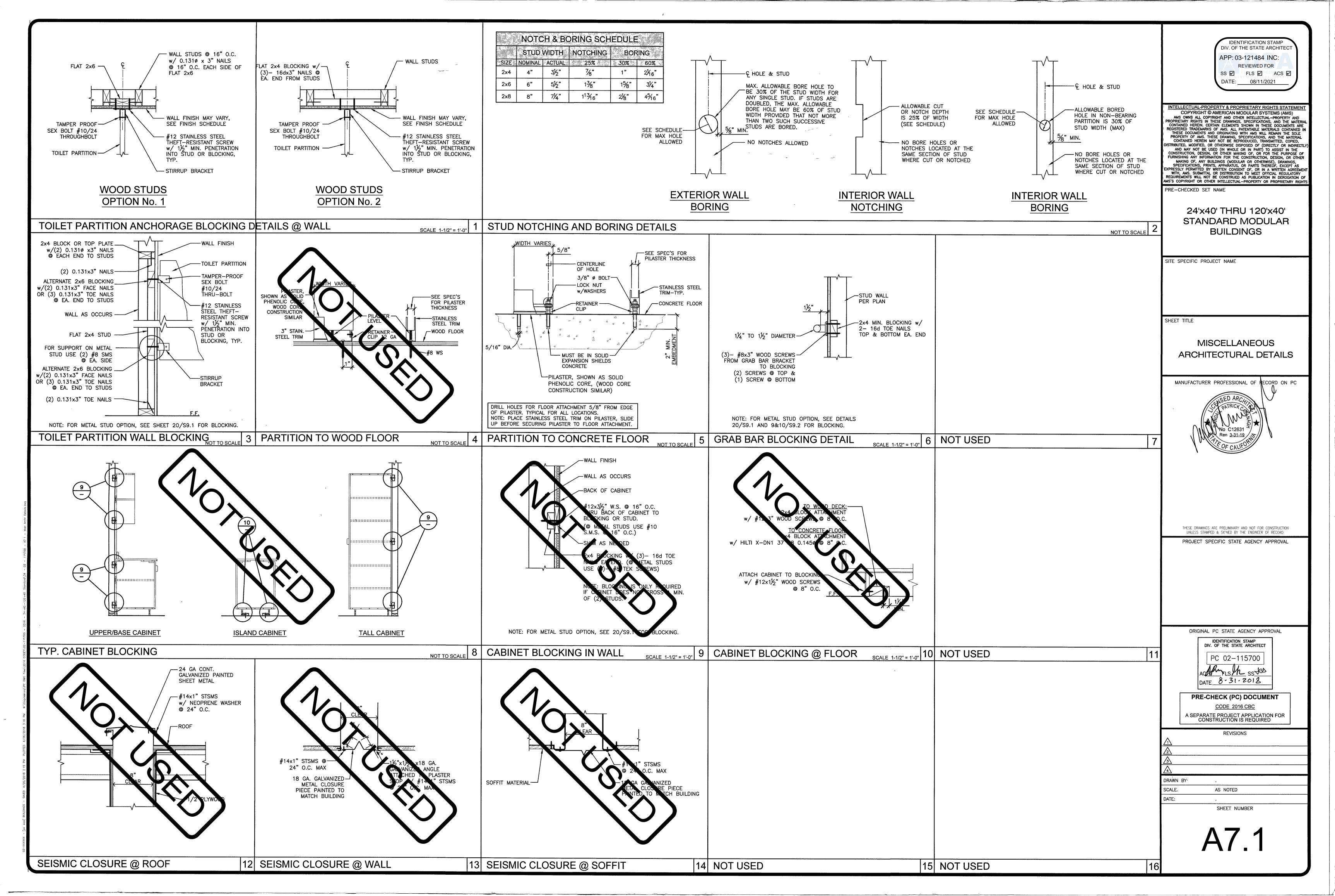


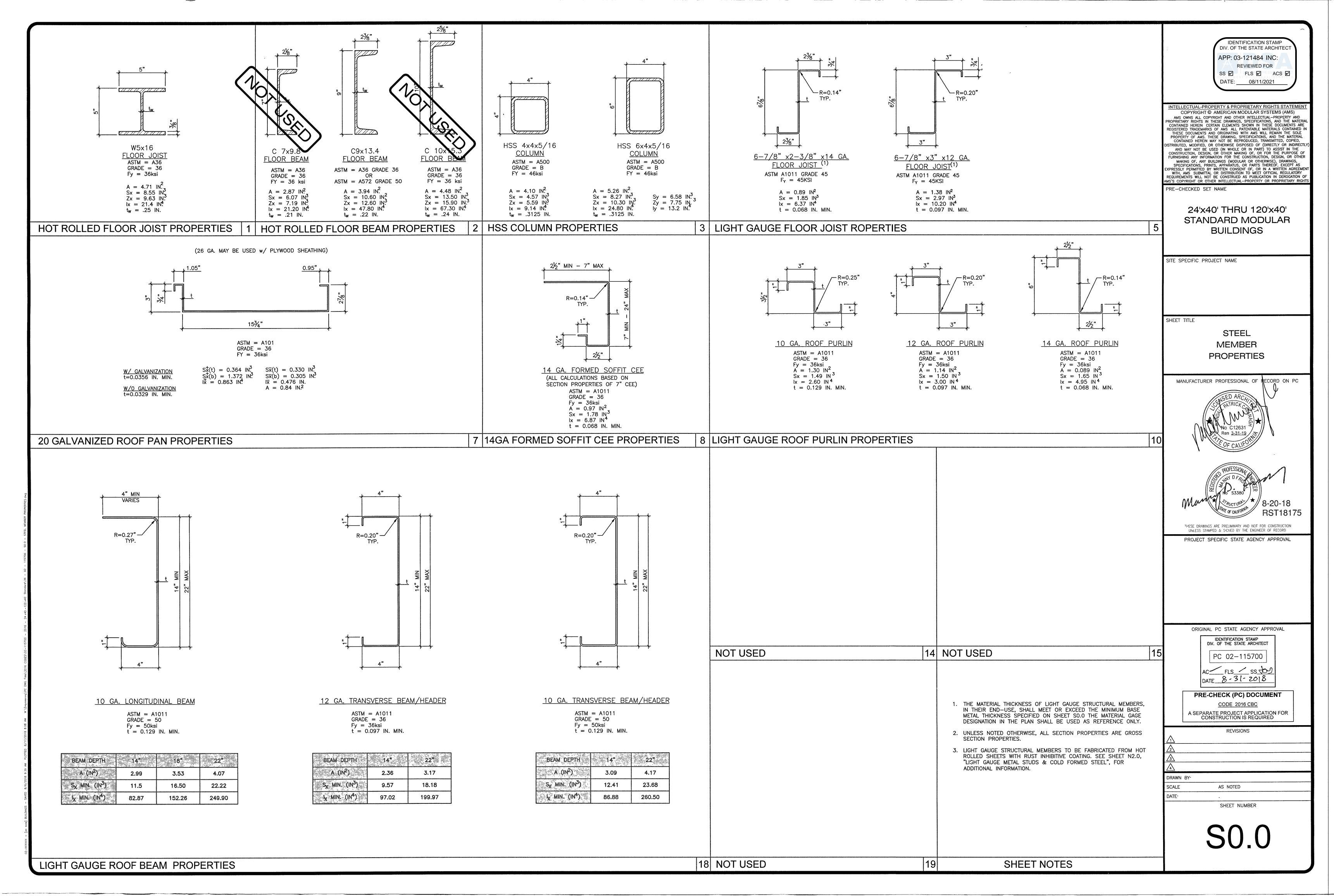


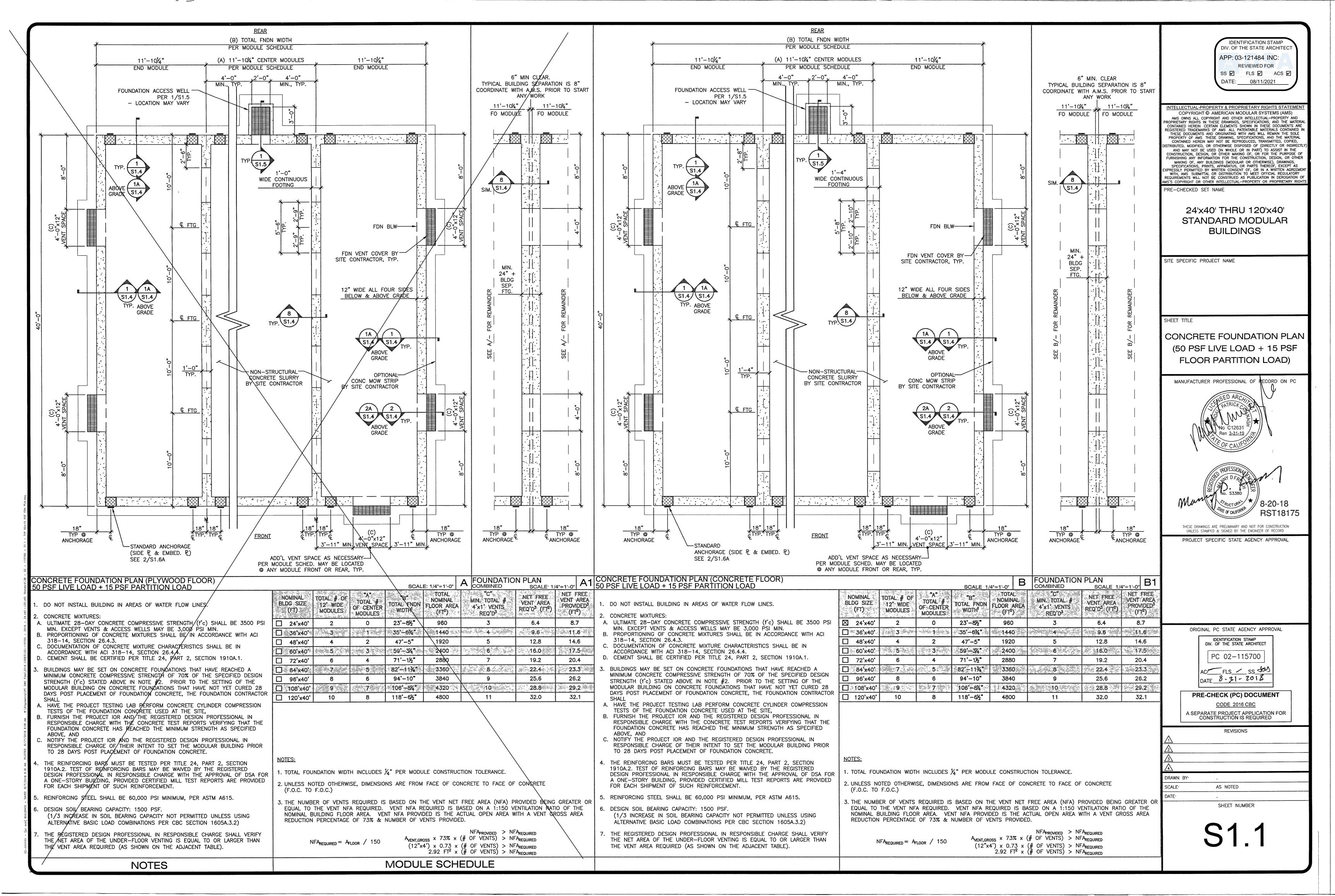


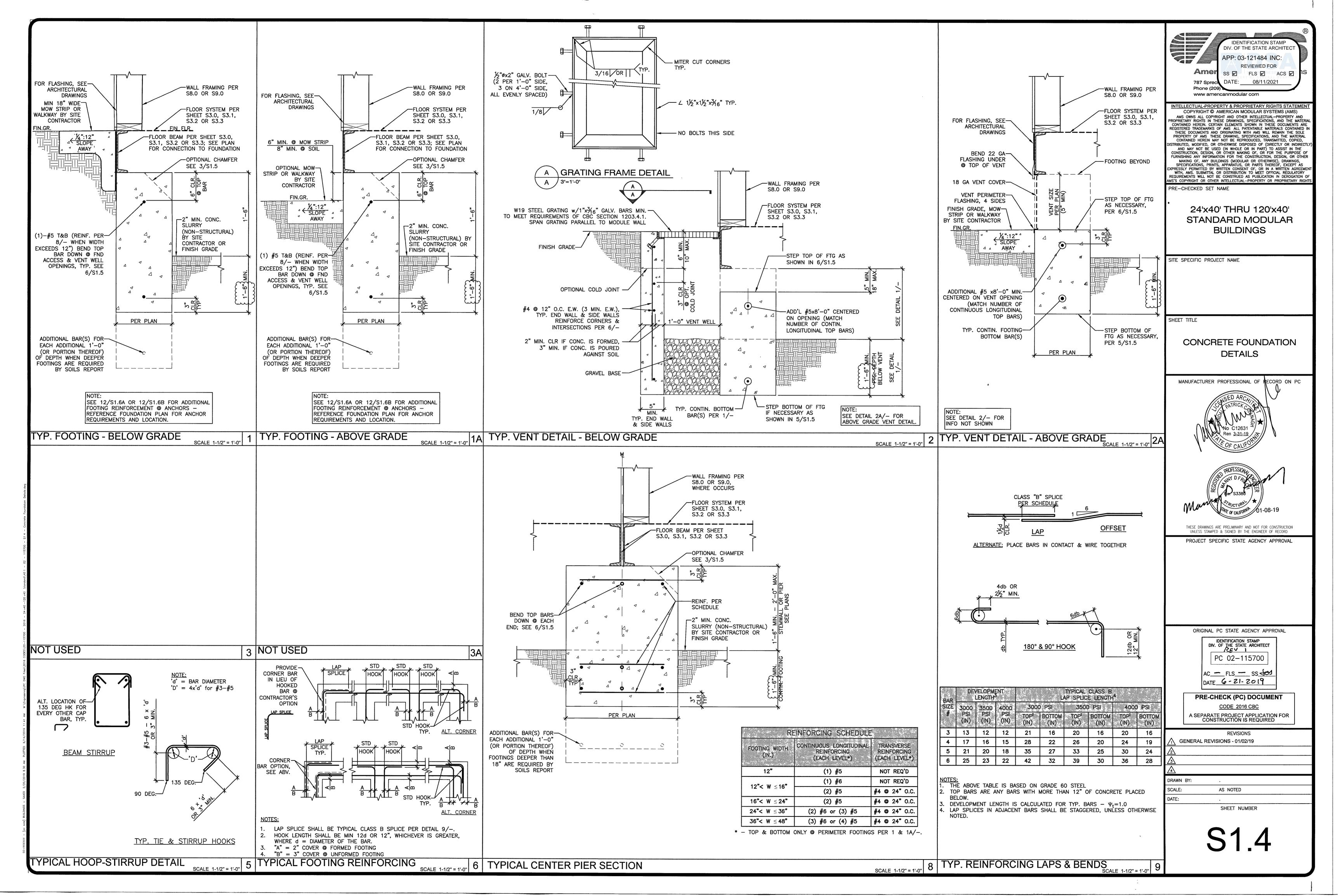


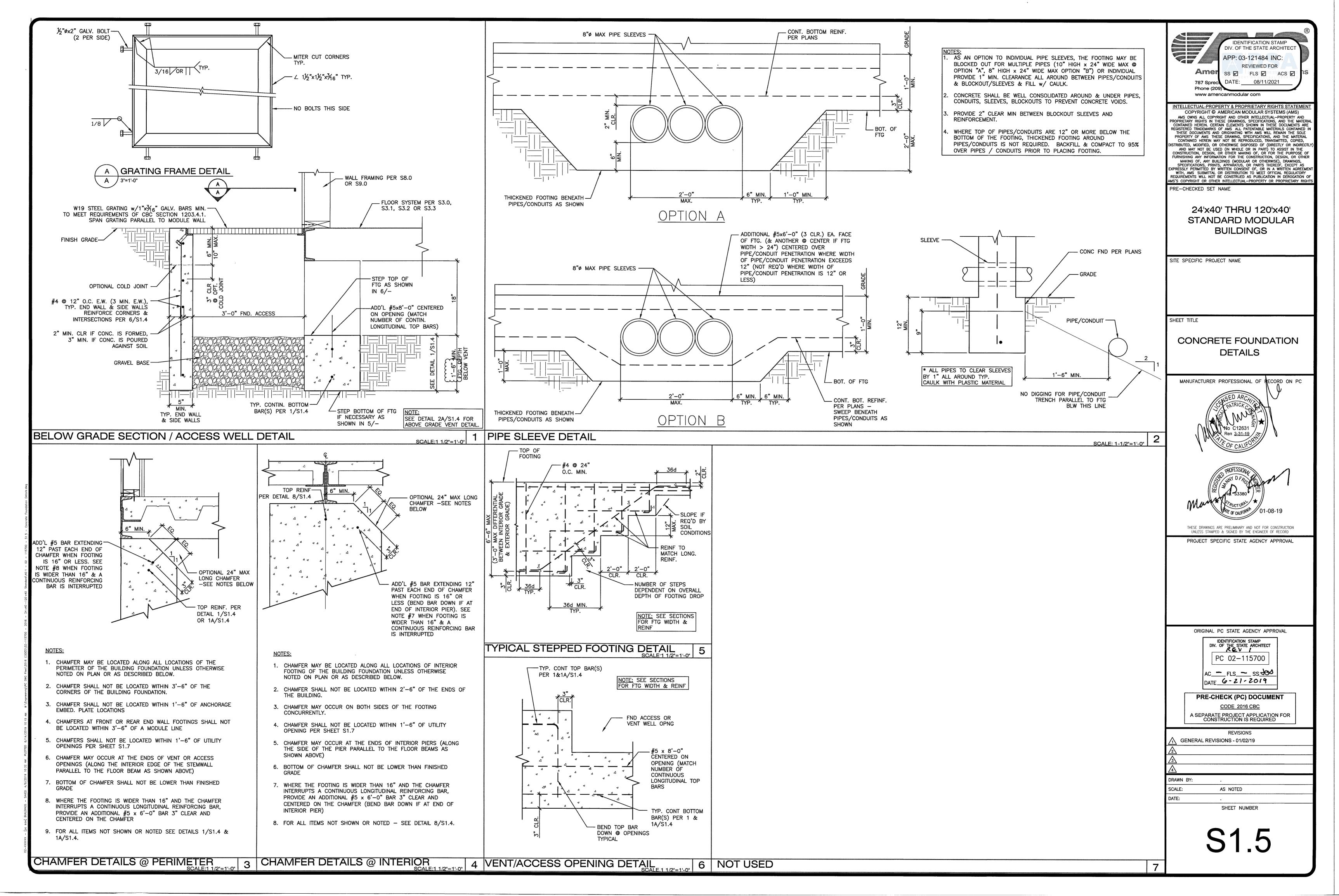


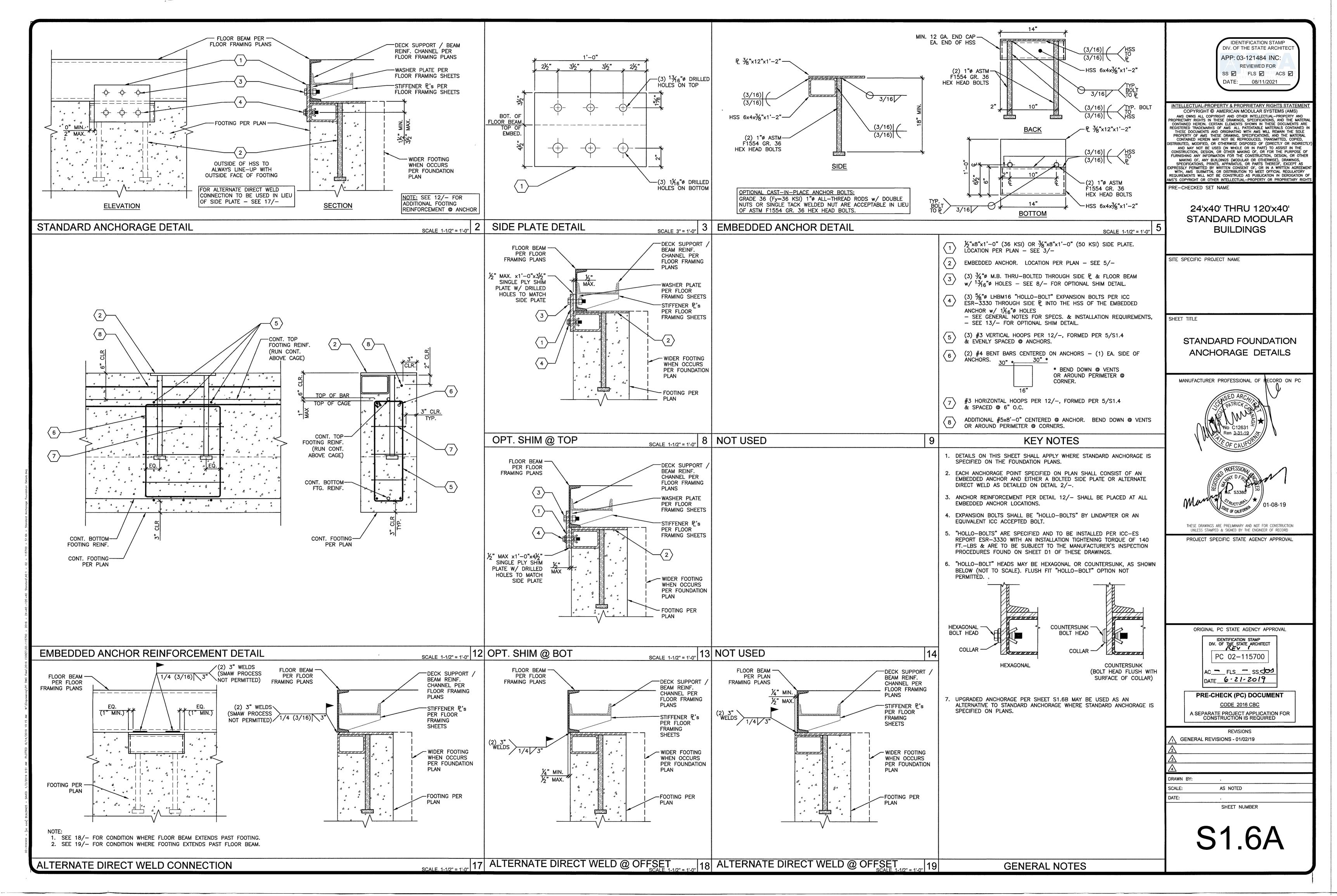


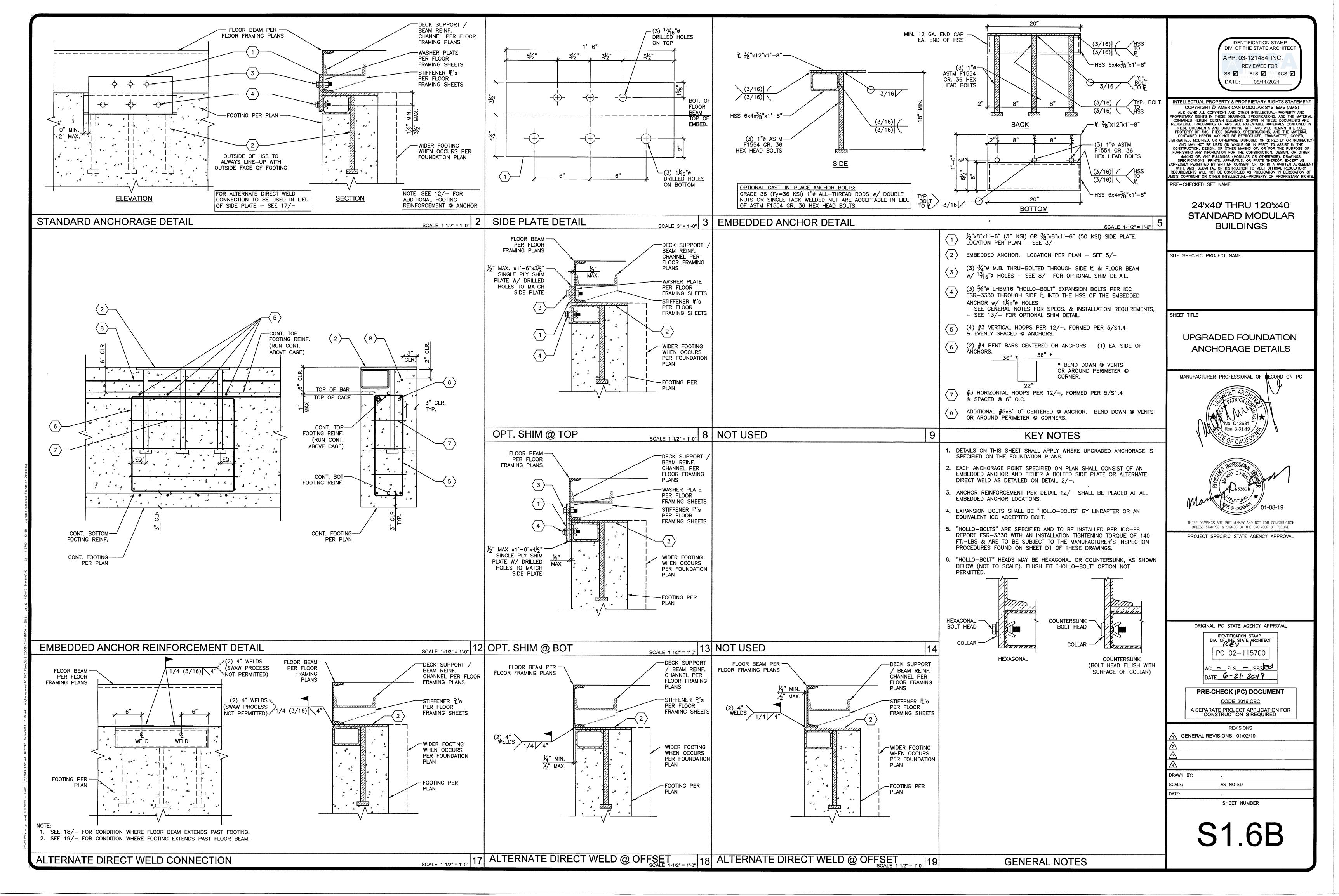


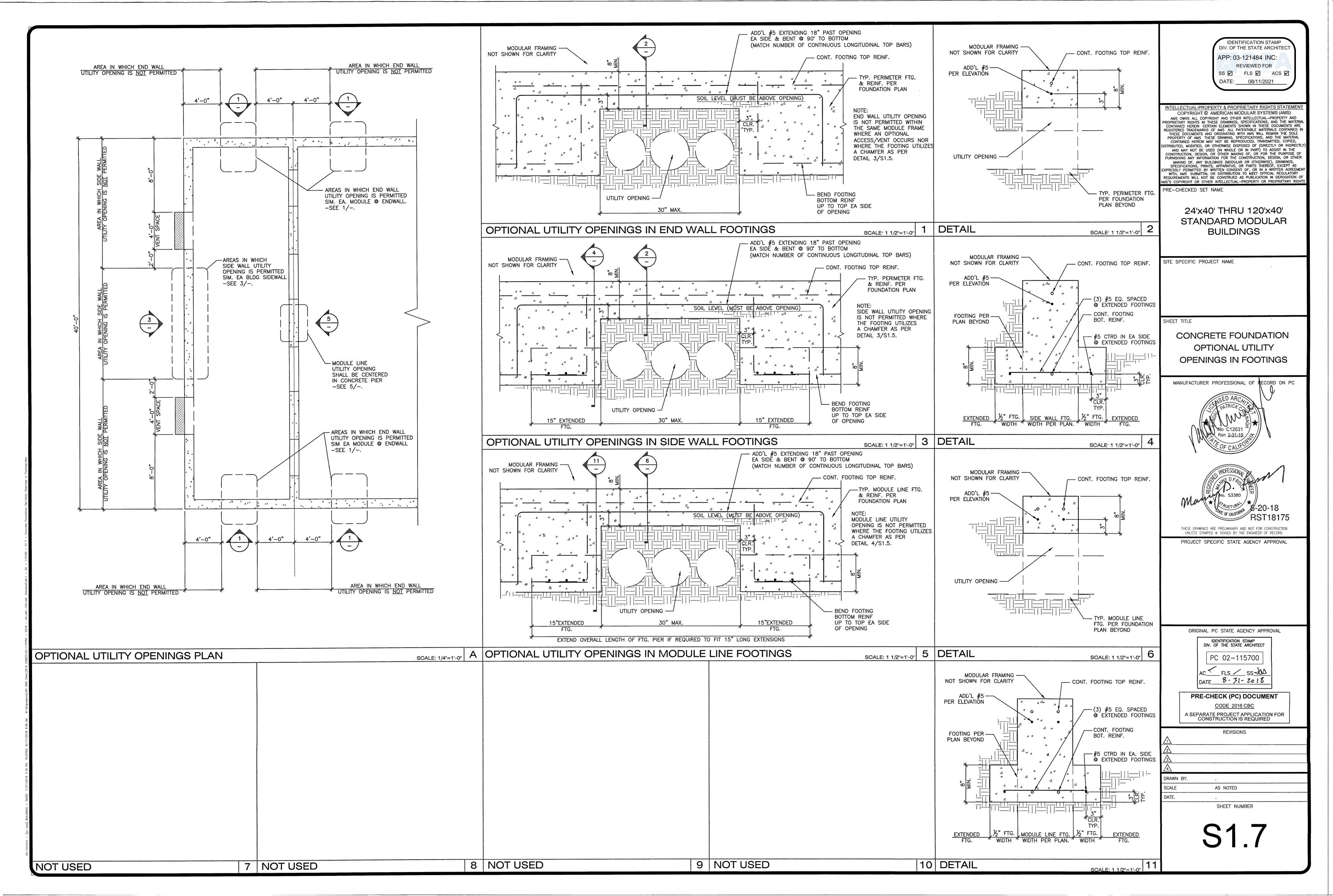


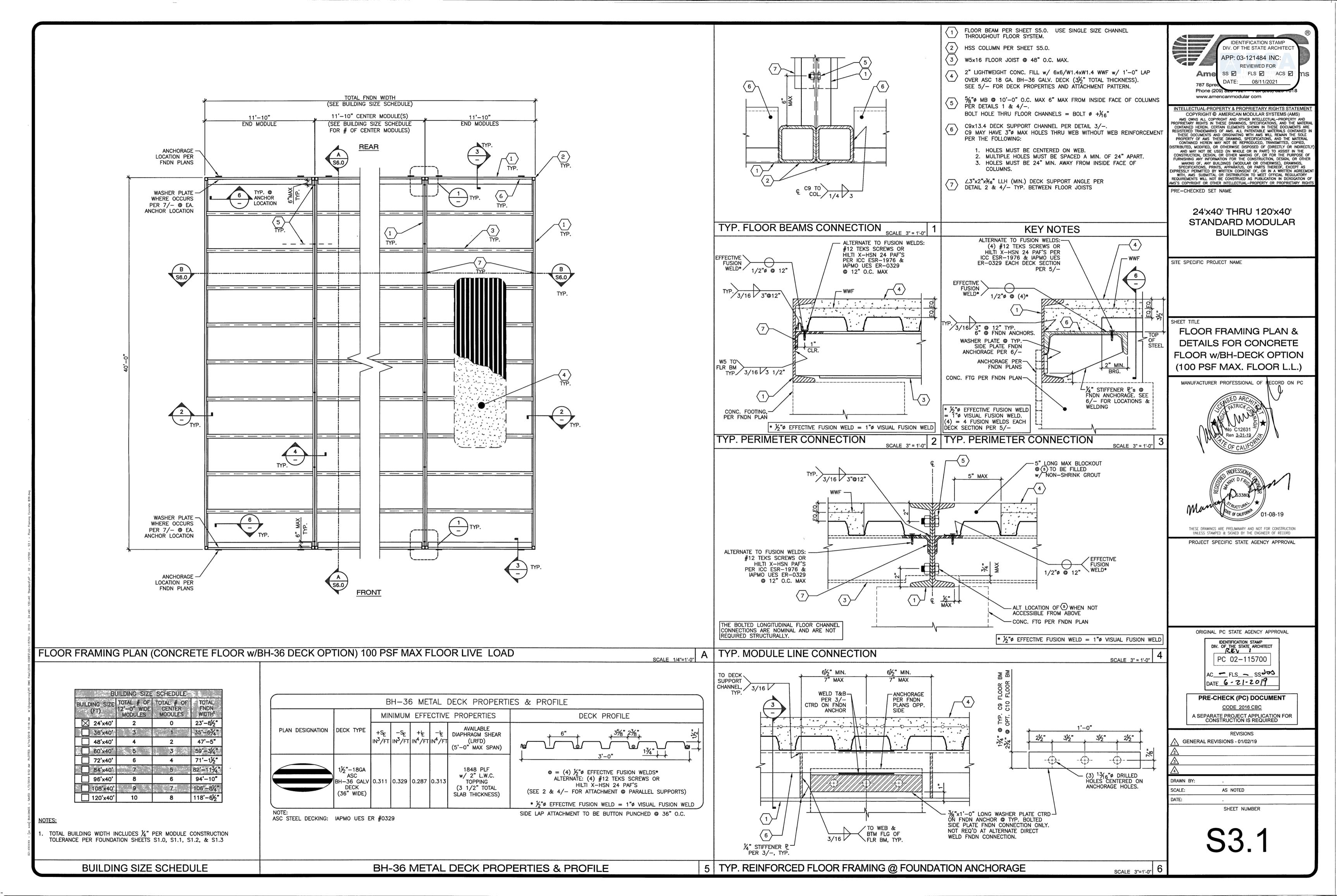


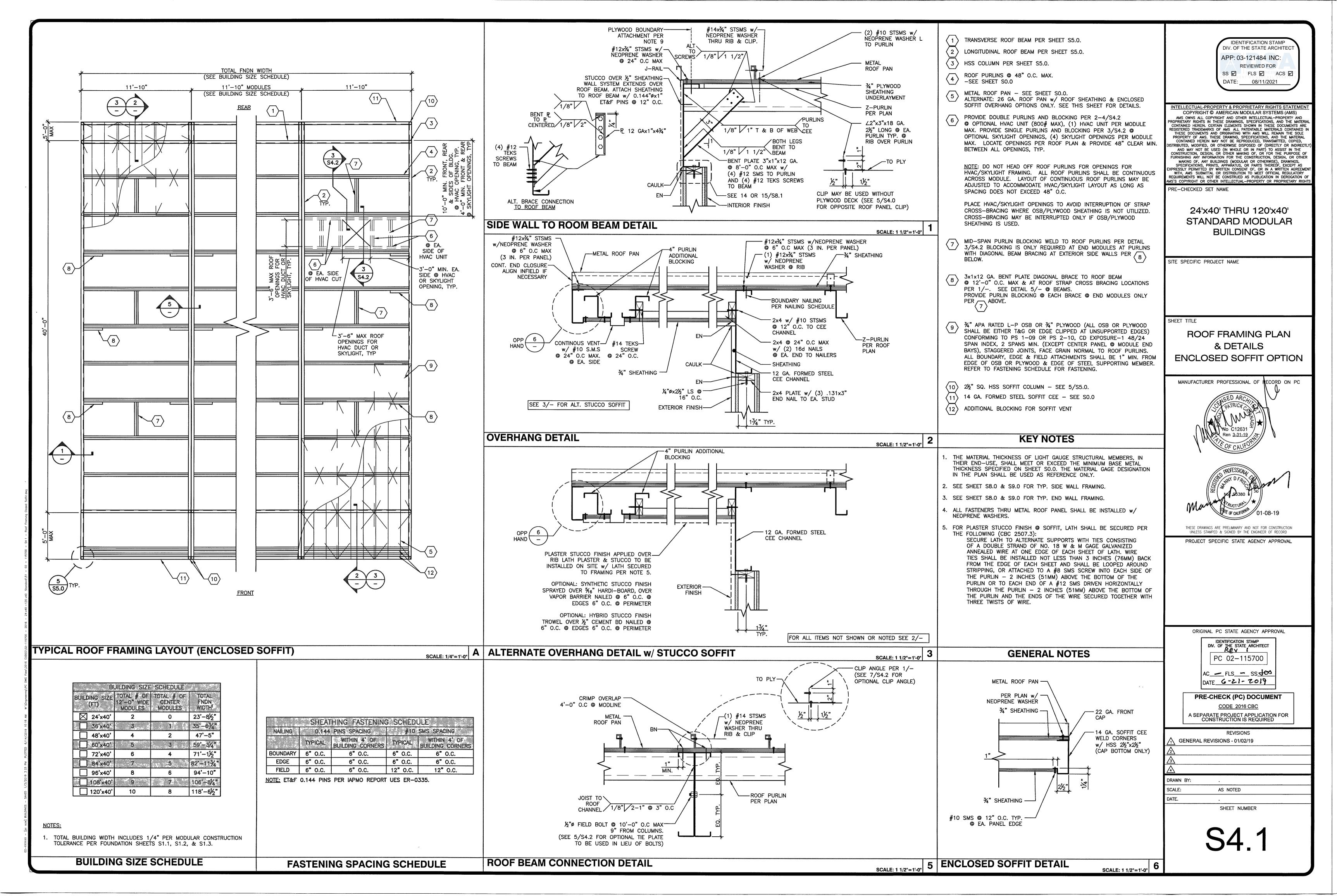


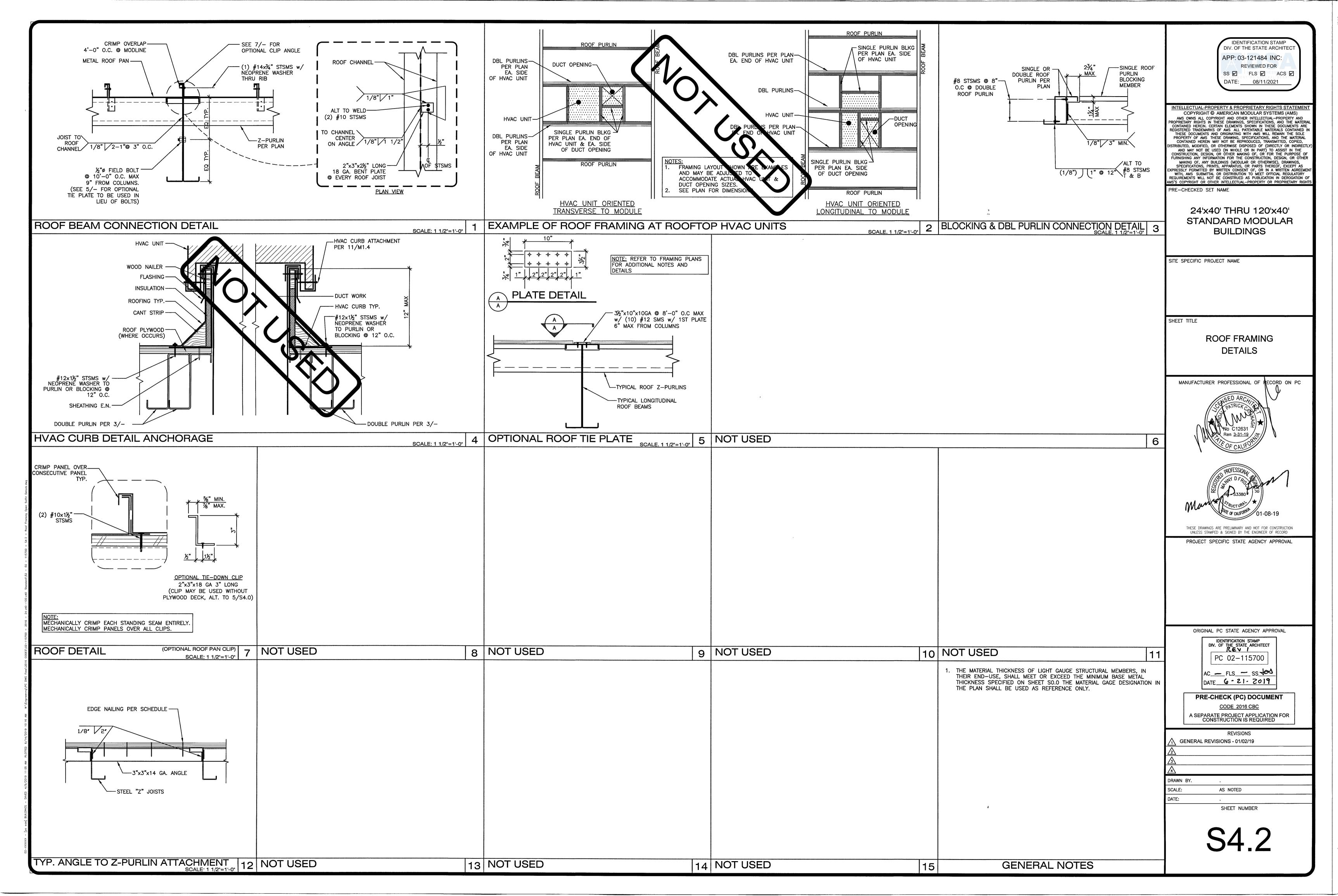


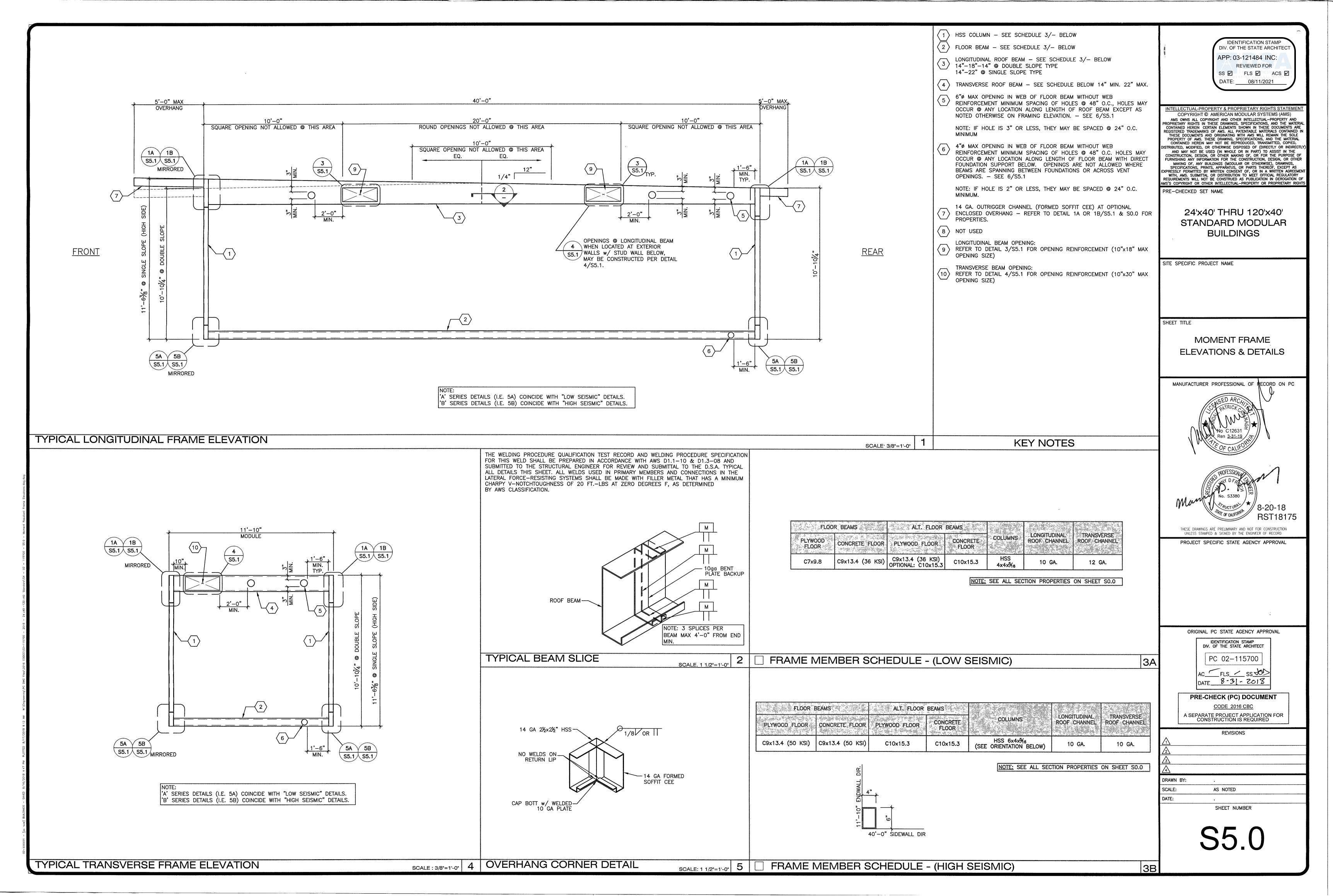


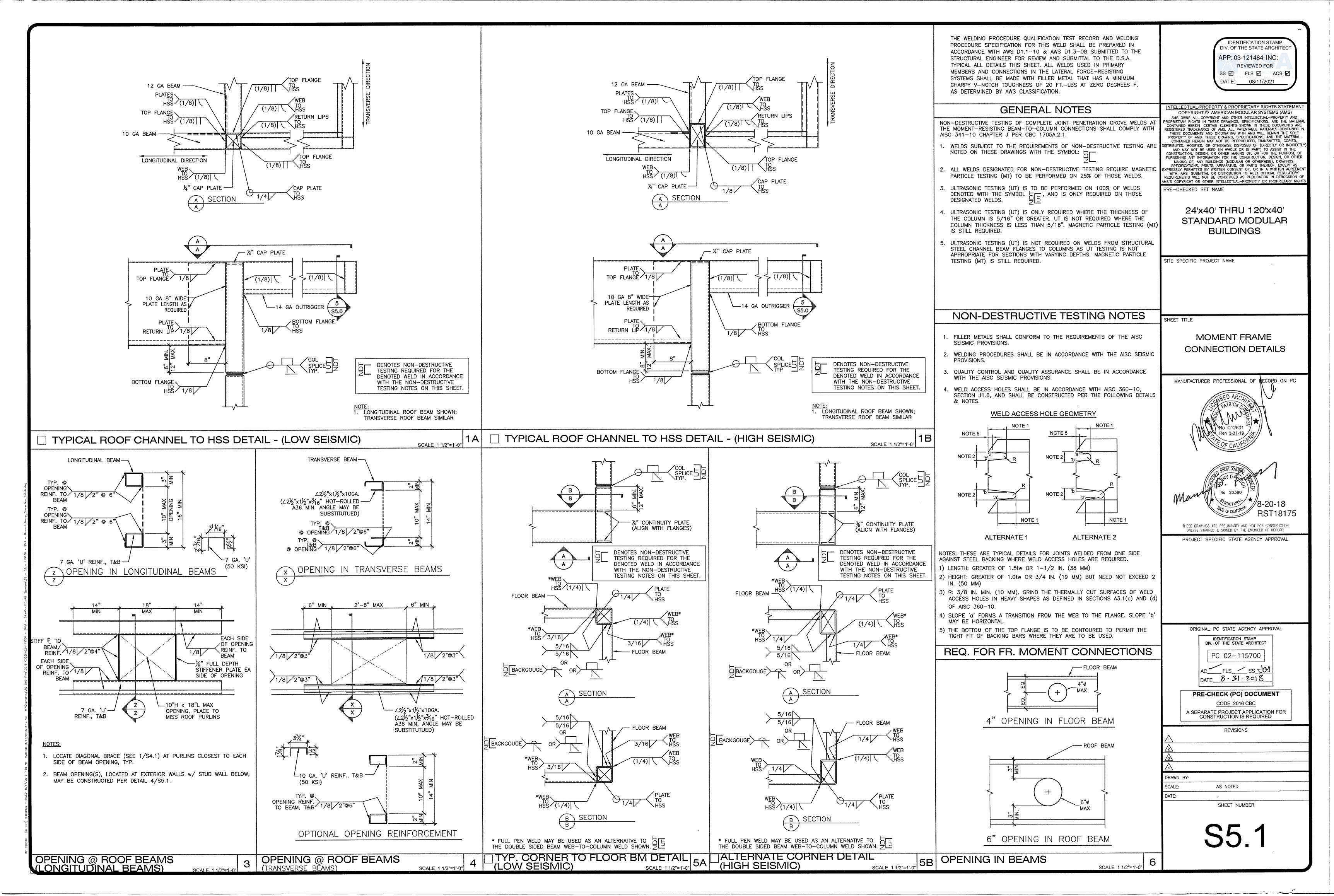


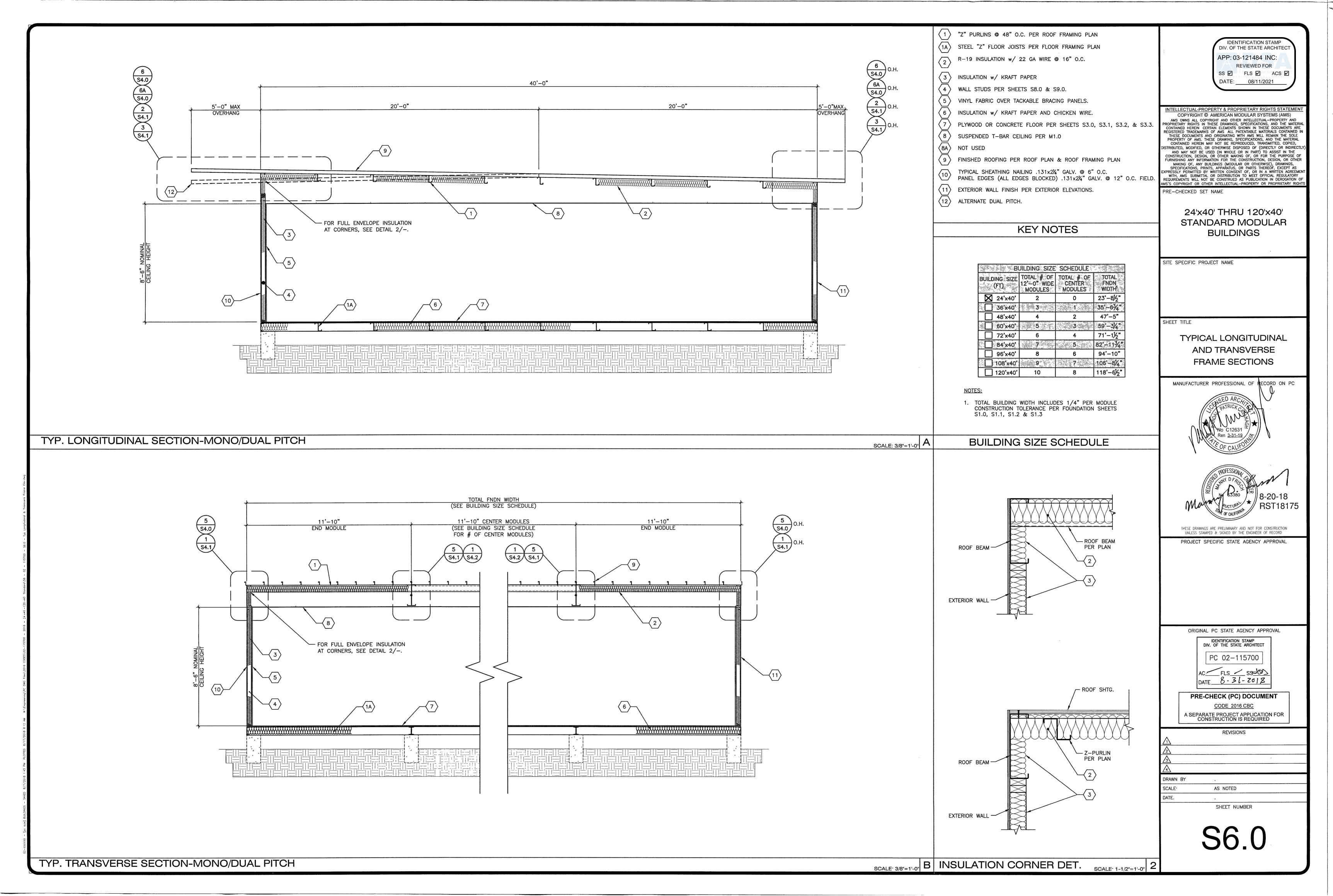


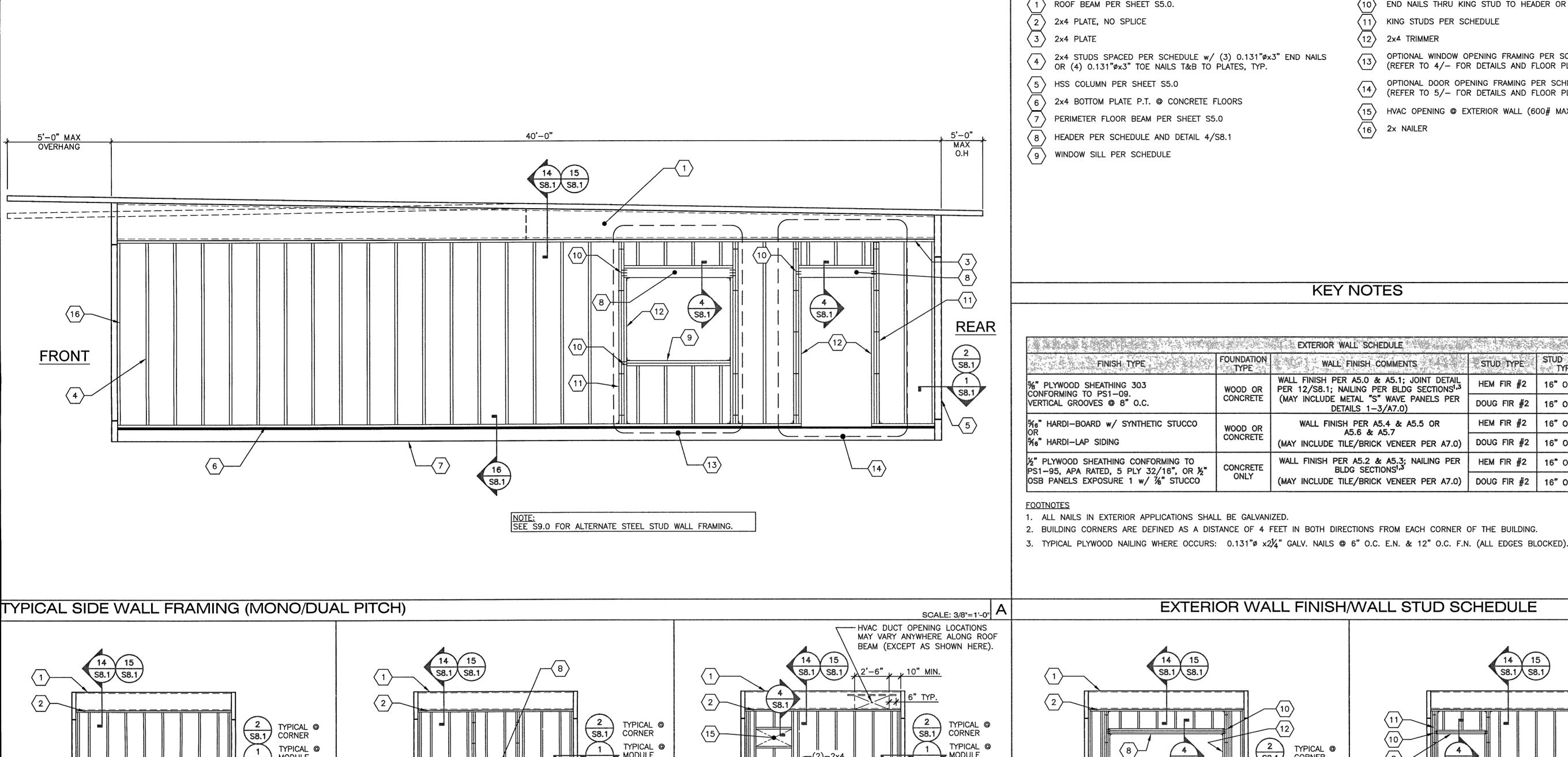












(1) ROOF BEAM PER SHEET S5.0.

(2) 2x4 PLATE, NO SPLICE

3 2x4 PLATE

2x4 STUDS SPACED PER SCHEDULE w/ (3) 0.131"øx3" END NAILS OR (4) 0.131"øx3" TOE NAILS T&B TO PLATES, TYP.

(5) HSS COLUMN PER SHEET S5.0

(6) 2x4 BOTTOM PLATE P.T. @ CONCRETE FLOORS

(7) PERIMETER FLOOR BEAM PER SHEET S5.0

(8) HEADER PER SCHEDULE AND DETAIL 4/S8.1

 $\langle$  9  $\rangle$  WINDOW SILL PER SCHEDULE

FINISH TYPE

 $\langle 10 \rangle$  END NAILS THRU KING STUD TO HEADER OR SILL PER SCHEDULE

KING STUDS PER SCHEDULE

OPTIONAL WINDOW OPENING FRAMING PER SCHEDULE (REFER TO 4/- FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)

OPTIONAL DOOR OPENING FRAMING PER SCHEDULE

(REFER TO 5/- FOR DETAILS AND FLOOR PLANS FOR LOCATIONS) 15 HVAC OPENING @ EXTERIOR WALL (600# MAX. WT.)

EXTERIOR WALL SCHEDULE

(MAY INCLUDE TILE/BRICK VENEER PER A7.0) | DOUG FIR #2 | 16" O.C. MAX | 16" O.C. MAX

(MAY INCLUDE TILE/BRICK VENEER PER A7.0) | DOUG FIR #2 | 16" O.C. MAX | 16" O.C. MAX

STUD TYPE STUD SPACING STUD SPACING
TYPICAL © CORNERS

HEM FIR #2 | 16" O.C. MAX | 16" O.C. MAX

DOUG FIR #2 | 16" O.C. MAX | 16" O.C. MAX

HEM FIR #2 | 16" O.C. MAX | 16" O.C. MAX

HEM FIR #2 | 16" O.C. MAX | 12" O.C. MAX

2x NAILER

**KEY NOTES** 

WALL FINISH COMMENTS

WALL FINISH PER A5.0 & A5.1; JOINT DETAIL PER 12/S8.1; NAILING PER BLDG SECTIONS^{1,3}

(MAY INCLUDE METAL "S" WAVE PANELS PER

DETAILS 1-3/A7.0)

WALL FINISH PER A5.4 & A5.5 OR

A5.6 & A5.7

WALL FINISH PER A5.2 & A5.3; NAILING PER BLDG SECTIONS^{1,3}

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 DATE: <u>08/11/2021</u>

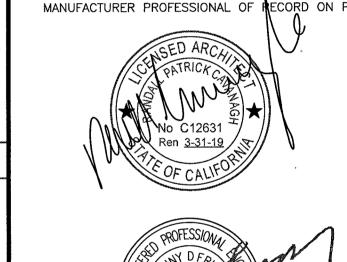
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> 24'x40' THRU 120'x40' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

PRE-CHECKED SET NAME

WALL FRAMING **ELEVATIONS & SCHEDULES** 



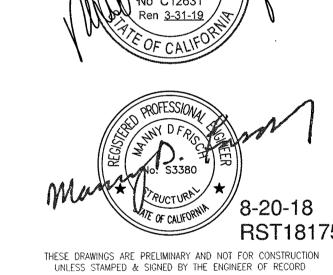
PROJECT SPECIFIC STATE AGENCY APPROVAL

TYPICAL @ CORNER

TYPICAL MODULE LINE

S8.1

- WOOD STUDS



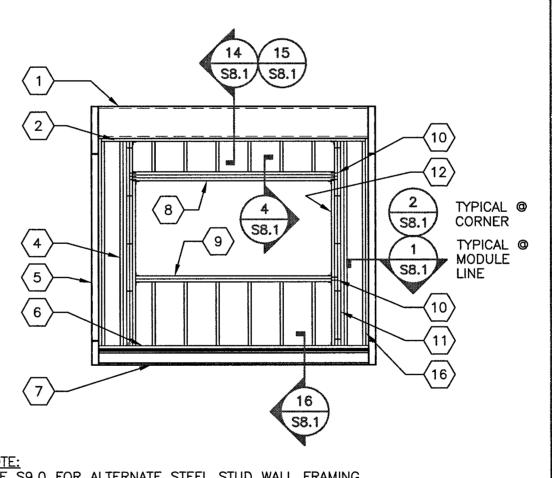
ORIGINAL PC STATE AGENCY APPROVAL NOTE: SEE S9.0 FOR ALTERNATE STEEL STUD WALL FRAMING.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT PC 02-115700 fls ssddDATE 8-31-2018 PRE-CHECK (PC) DOCUMENT

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

AS NOTED SHEET NUMBER

# EXTERIOR WALL FINISH/WALL STUD SCHEDULE



WOOD OR

CONCRETE

CONCRETE

ONLY

NOTE: SEE S9.0 FOR ALTERNATE STEEL STUD WALL FRAMING. TYP. END WALL FRAMING W/ INDOOR HVAC UNIT (OPTIONAL) 2 TYP. END WALL FRAMING W/ WALL HUNG HVAC UNIT (OPTIONAL) 3 TYPICAL END WALL FRAMING W/ DOOR SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5 SCALE: 1/4"=1'-0" 5

TYPICAL @ MODULE LINE

	DOC	R/WIN	DOW:	) DPENINGS	AT TYPIC	AL NON-	-STUCCO W	NLS @ BLD	G CORNERS	
OPENIN	g siże	HE	ADÉR	WINDO (AS AP	W SILL ² PLICABLE)	JAMB/ KING STUDS	INTERNALLI w/ 0.131	NG STUD NG SPACING X3" NAILS, GERED	KING STUD	WINDOW SILL TO KING STUD NAILS
>8'-0" T	0 10'-0	" (4)	2x4	(4)	2×4	4	20" 0	.C. MAX	6	5
>6'-0"	ro 8'-0'	(3)	2x4	(3)	2×4	3	20" 0	.C. MAX	5	4
>3'-0"	ro 6'-0'	(2)	2x4	(2)	2×4	3	20" 0	.C. MAX	5	3
3'-0" (	R LESS	(2)	2x4	(2)	2x4	2	20" 0	.C. MAX	3	3

DO	OR/WINDO	W OPENINGS AT TYP		UCCO WALLS @ BLDG (		
ÓPENING SIZE	HEADER	WINDOW SILL ² (AS APPLICABLE)	JAMB/ KING STUDS	JAMB/KING STUD INTERNALING SPACING W/ 0.131x3" NAILS, STAGGERED	HEADER TO KING STUD NAILS	WINDOW SILL TO KING STUD NAILS
>8'-1" TO 10'-0"	(5) 2x4	(6) 2x4	6	16" O.C. MAX	6	6
>6'-1" TO 8'-0"	(3) 2x4	(3) 2x4	5	16" O.C. MAX	5	4
>3'-1" TO 6'-0"	(2) 2x4	(2) 2x4	4	16" O.C. MAX	5	3
3'-0" OR LESS	(2) 2x4	(2) 2x4	3	16" O.C. MAX	3	3

OPENING	SIZE	ΗE	DER	WINDO (AS APF	W SILL ² PLICABLE)	JAMB/ KING STUDS ¹	JAMB/ INTERNAI W/ 0.1 ST/	LING 31x3"	SPACING NAILS,	*UEWNEW IN	WINDOW SILL TO KING STUD NAILS
>8'-0" TO	10'-0"	(4)	2x4	(4)	2x4	3	20"	O.C.	MAX	6	5
>6'-0" TO	8'-0"	(3)	2x4	(2)	2x4	3	20"	O.C.	MAX	5	4
>3'-0" TO	6'-0"	(2)	2x4	(2)	2×4	2	20"	O.C.	MAX	5	3
3'-0" OR	LESS	(2)	2x4	(2)	2x4	2	20"	0.C.	MAX	3	3
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , ,		·····	W 1 - 18 - 1 - 1 - 1					CORNERS	

DOOR/WINDOW OPENINGS AT TYPICAL NON-STUCCO WALLS NOT @ BLDG CORNERS

LIKE AND AND AND AND AND AND AND AND AND AND	V.MINDÓM 🖄	UPENINGS AL JUPICA	ir. Dinn	CO. MATTO NOTE & DITH	COLÍNCIO	
OPENING SIZE		WINDOW SILL ² (AS APPLICABLE)	JAMB/ KING STUDS	JAMB/KING STUD INTERNAILING SPACING W/ 0.131x3" NAILS, STAGGERED	KING STUD	WINDOW SILL TO KING STUD NAILS
>8'-0" TO 10'-0"	(4) 2x4	(5) 2x4	5	16" O.C. MAX	6	5
>6'-0" TO 8'-0"	(3) 2x4	(2) 2×4	4	16" O.C. MAX	5	4
>3'-0" TO 6'-0"	(2) 2x4	(2) 2x4	3	16" O.C. MAX	5	3
3'-0" OR LESS	(2) 2x4	(2) 2x4	2	16" O.C. MAX	3	3

NOTE: SEE S9.0 FOR ALTERNATE STEEL STUD WALL FRAMING.

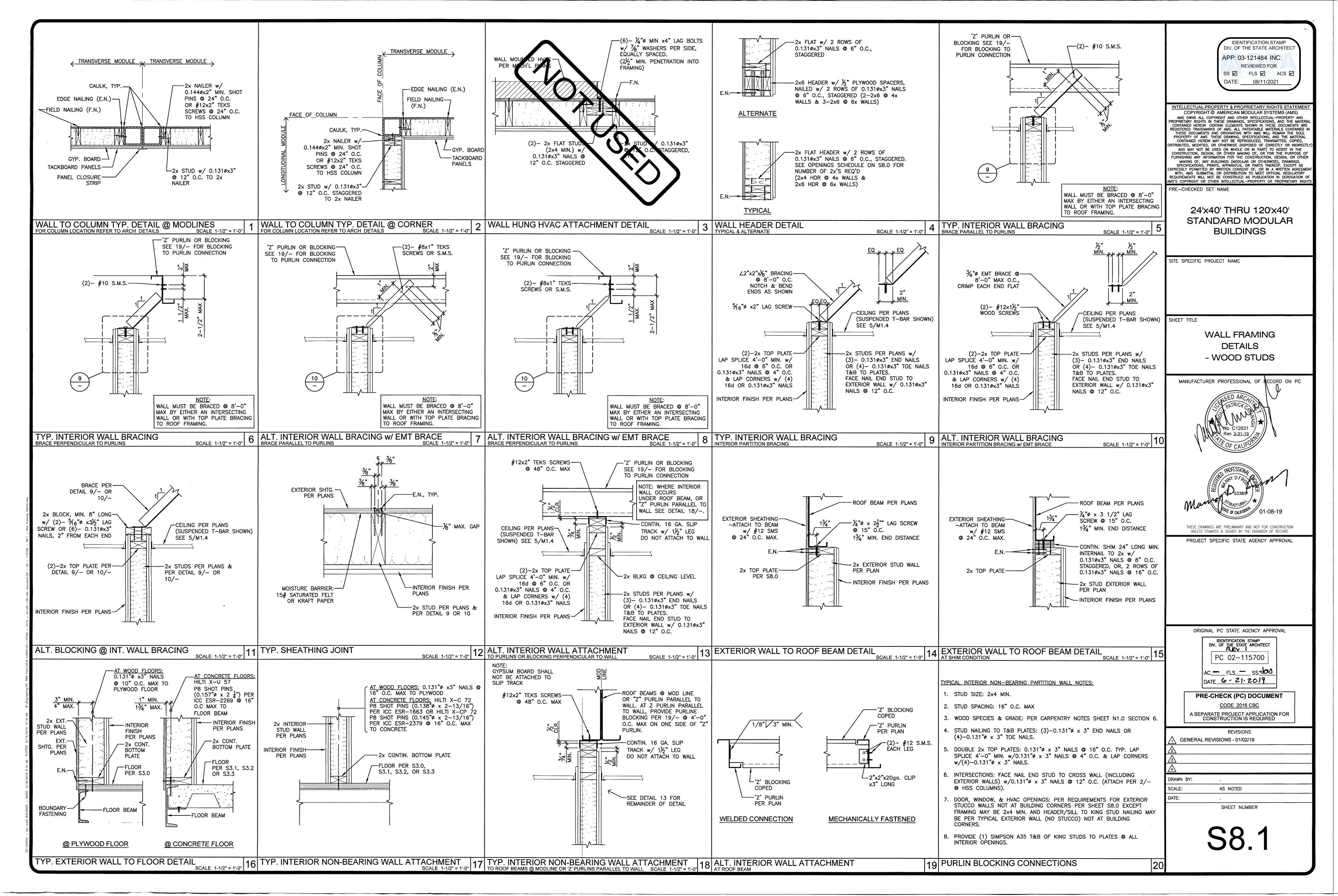
TYPICAL @ MODULE LINE

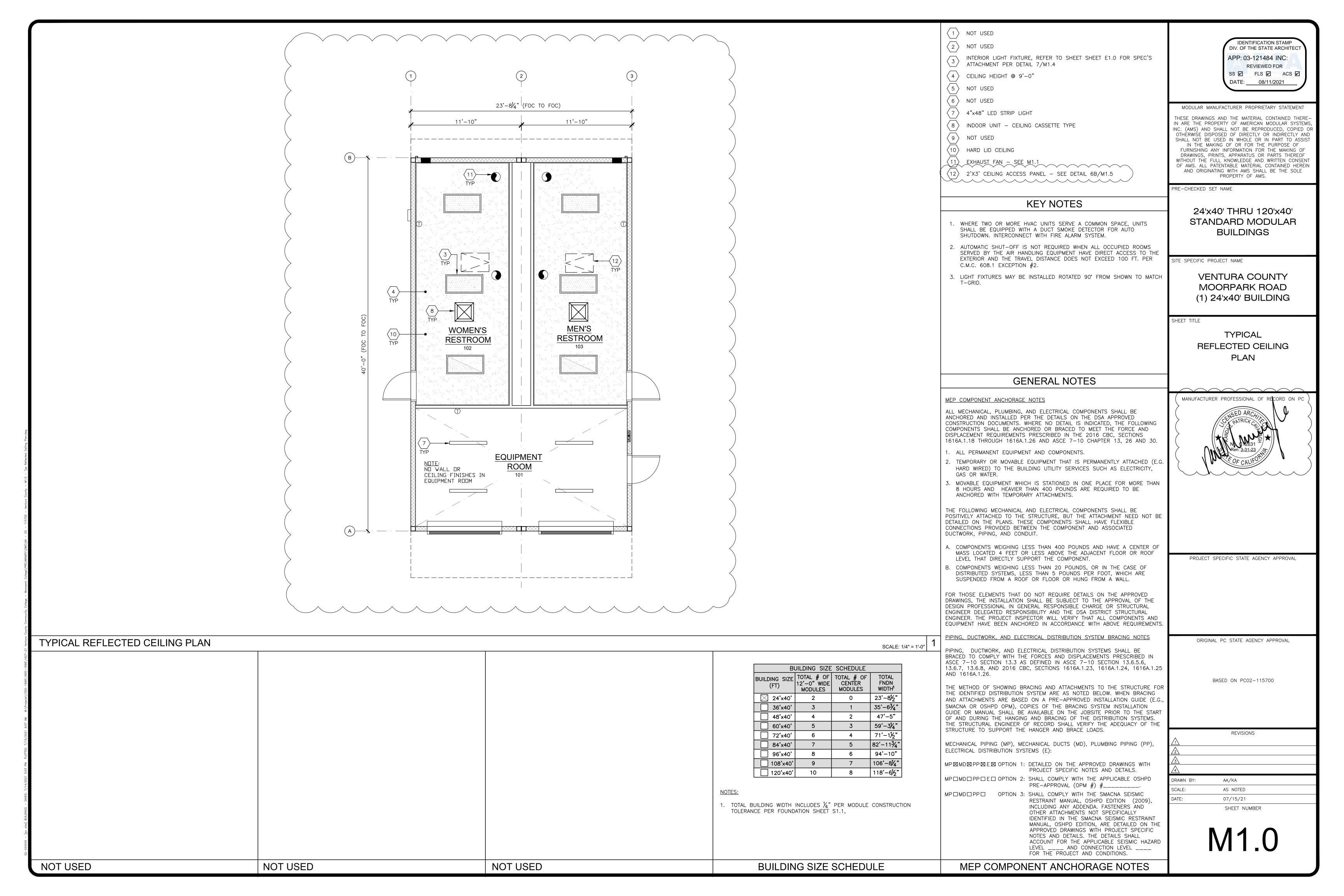
NOTE: SEE S9.0 FOR ALTERNATE STEEL STUD WALL FRAMING.

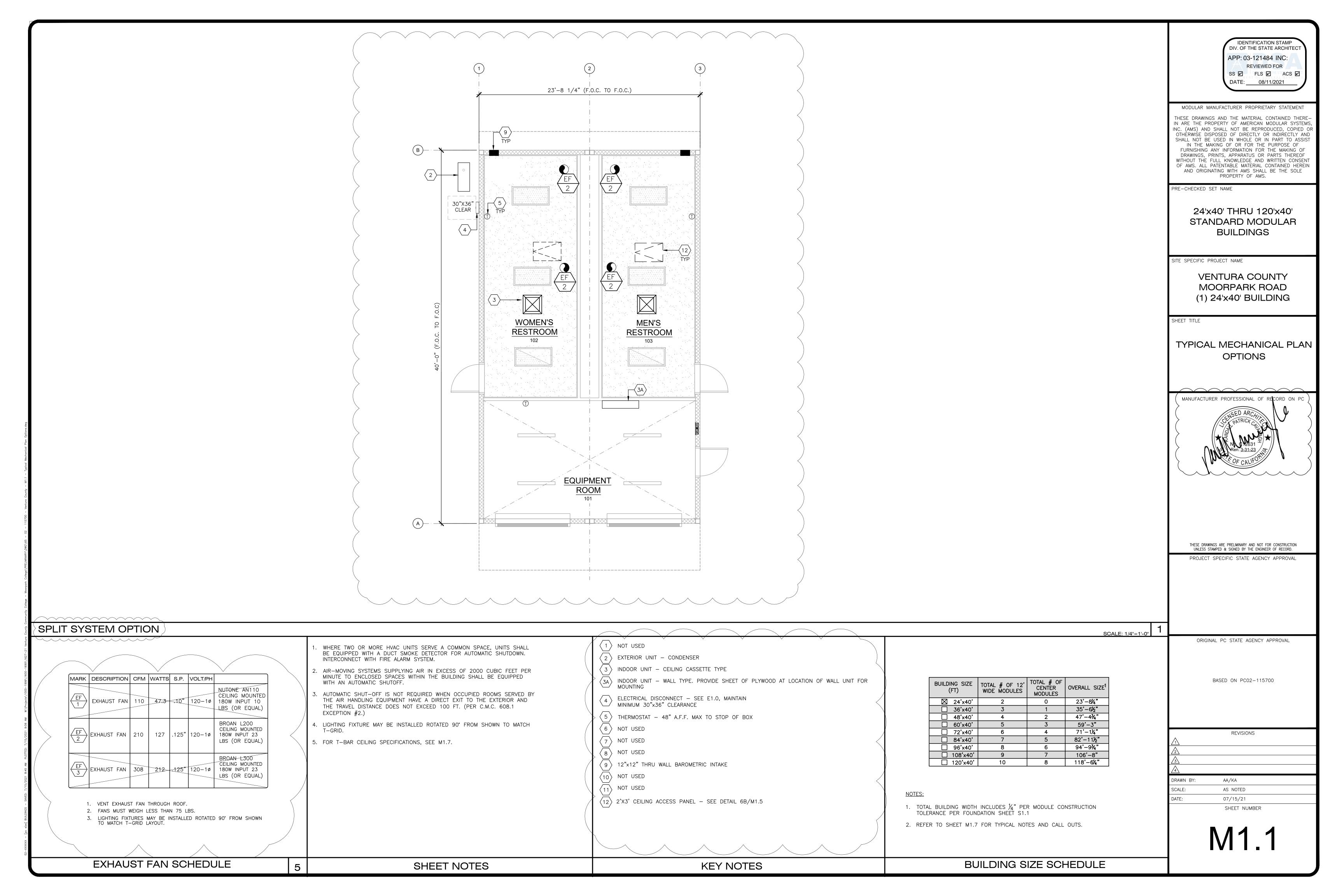
TYP. END WALL FRAMING w/ NO OPENINGS
SCALE 1/4"=1'-0"

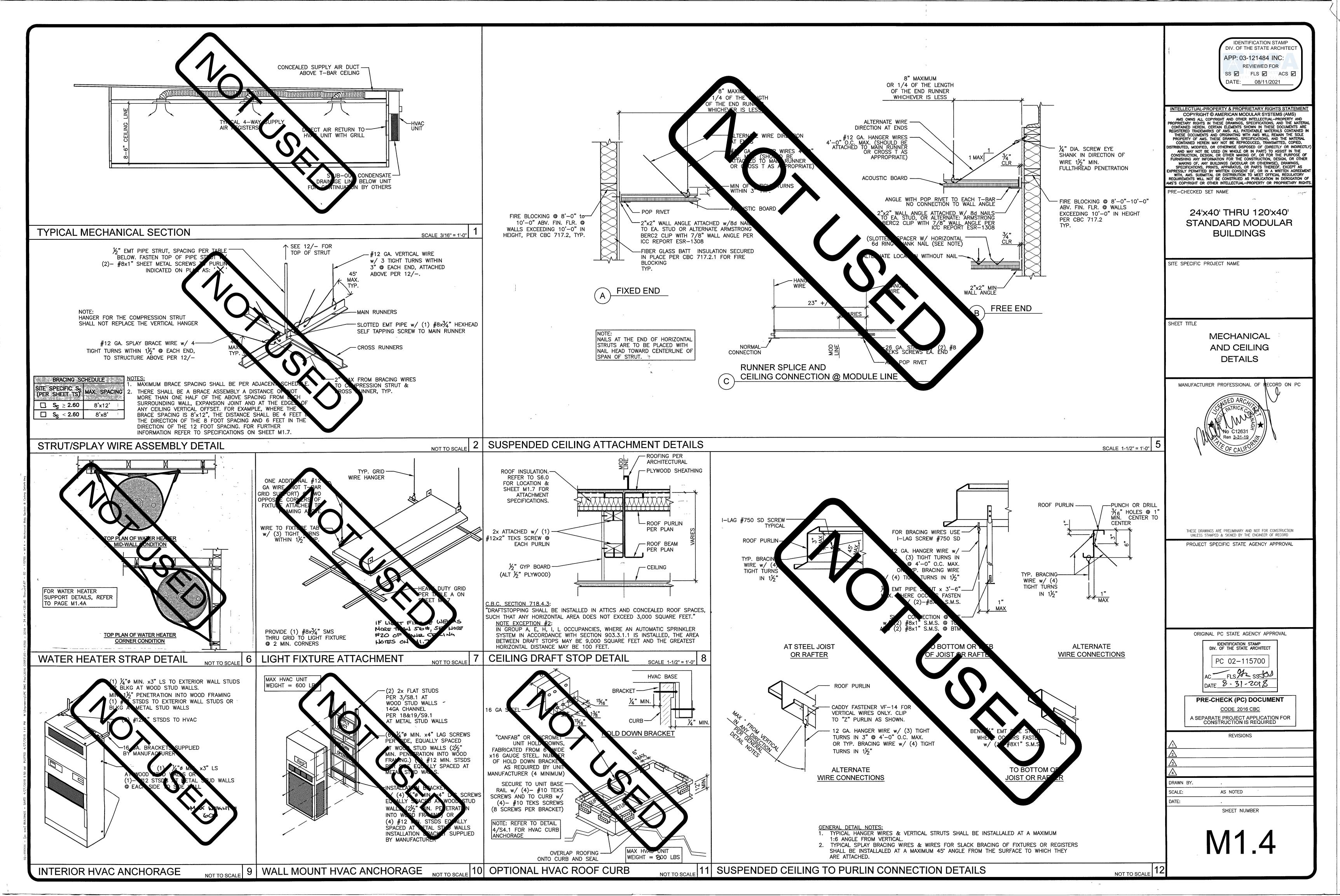
- 1. PROVIDE (2) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS GREATER THAN 3'-0". PROVIDE (1) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS 3'-0" OR LESS.
- 2. WHEN MORE THAN A SINGLE SILL PLATE IS REQUIRED, INTERNAIL w/ 0.131"øx3" NAILS @ 12" O.C. STAGGERED.
- 3. BUILDING CORNERS ARE DEFINED AS A DISTANCE OF 4 FEET IN BOTH DIRECTIONS FROM EACH CORNER OF THE BUILDING.

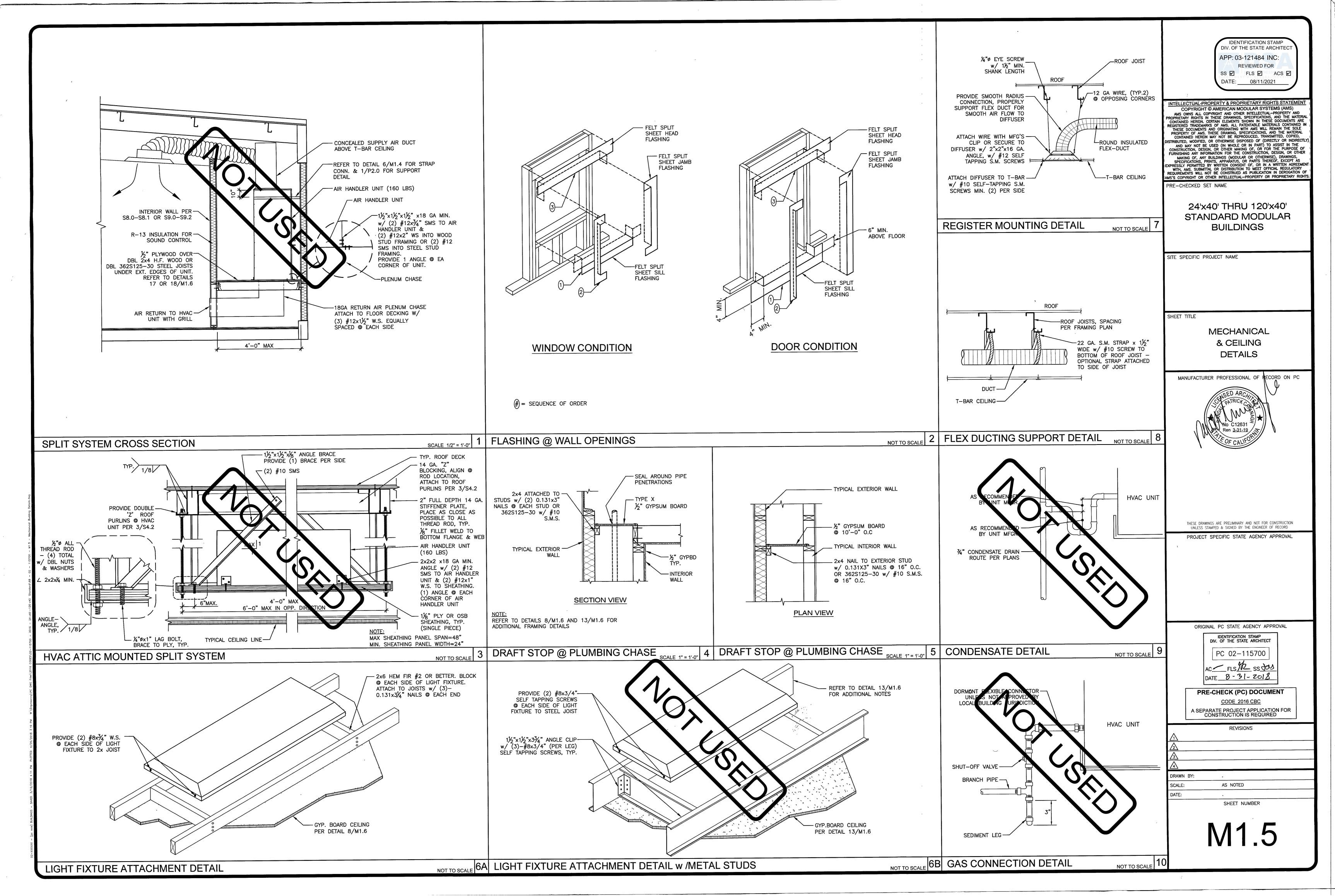
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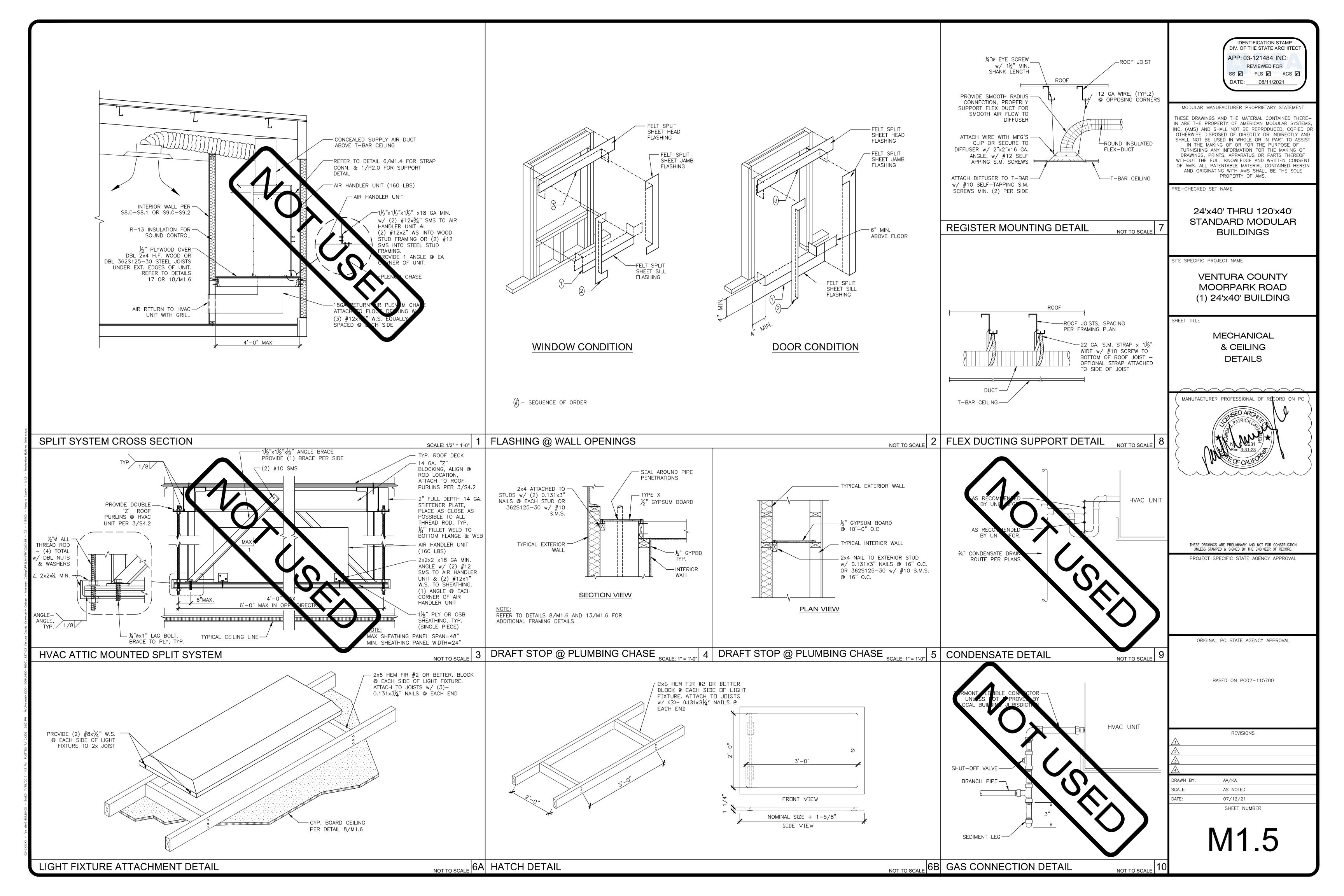


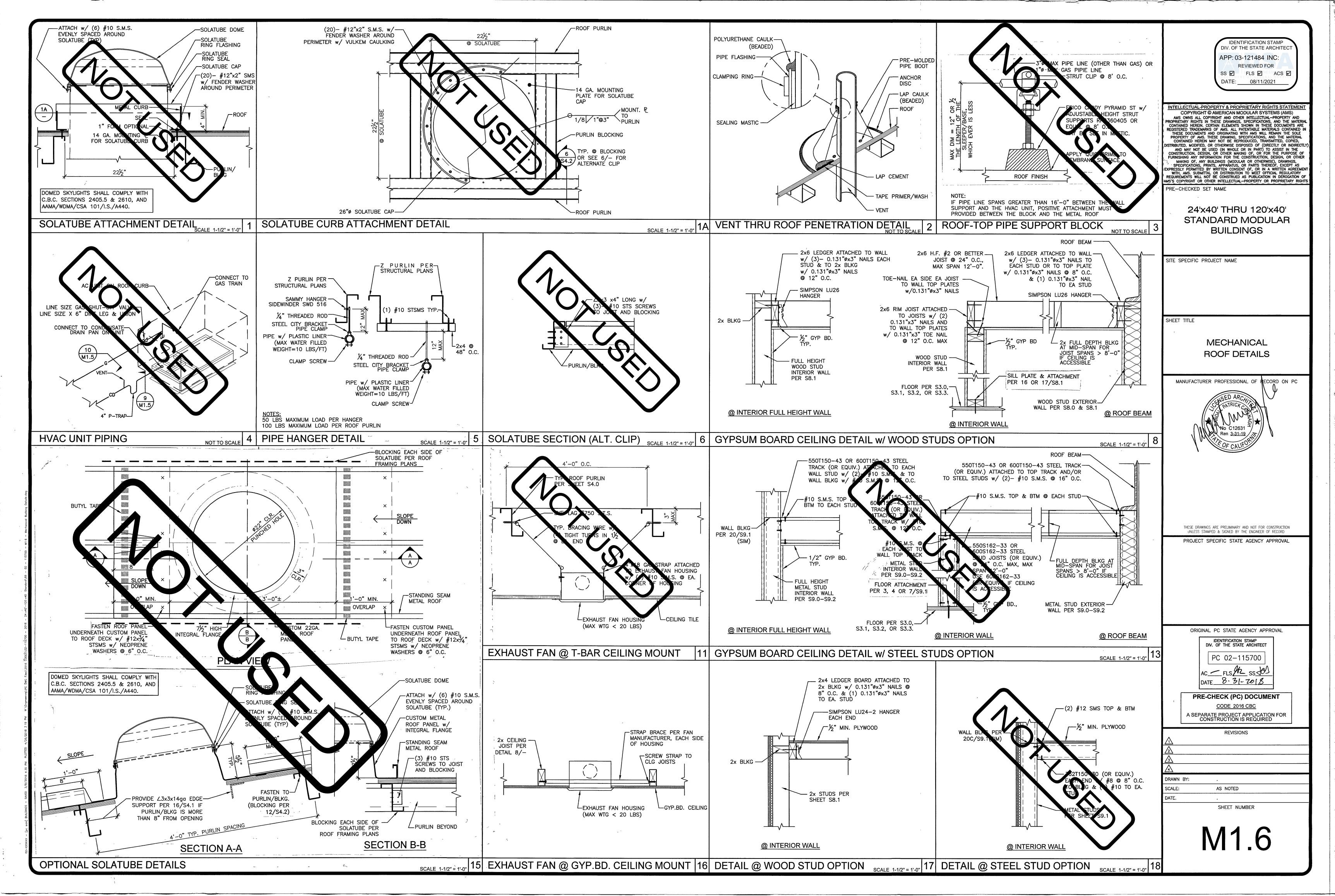












- 1. CEILING GRID SYSTEMS IN SEISMIC ZONES D, E, F, MUST BE RATED "HEAVY DUTY", AS DEFINED BY ASTM C635. PROVIDE GRID COMPONENTS AS SPECIFIED IN TABLE A BELOW, OR APPROVED EQUAL. GRID METAL FRAMING PIECES SHALL BE DESIGNED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 180 LBS. IN COMPRESSION AND TENSION. PER ASTM E580.
- SUSPENSION WIRE SHALL BE CLASS 1 ZINC-COATED (GALVANIZED) CARBON STEEL CONFORMING TO ASTM A641. WIRE SHALL BE #12 GAGE WITH SOFT TEMPER AND A MINIMUM TENSILE STRENGTH OF 70 KSI.
- 3. WHEN HANGER AND BRACING WIRES ARE ATTACHED TO CONCRETE ABOVE, TESTS PER D.S.A. IR 25-2.13 SECTION 6.8 MUST BE PERFORMED. POWER ACTUATED FASTENERS IN CONCRETE ARE NOT ALLOWED FOR BRACING WIRE.
- 4. 12 GA. (MINIMUM) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ATTACH TO MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY D.S.A.
- 5. PROVIDE 12 GA. HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, AT THE PERIMETER OF THE CEILING AREA.
- PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1:6 OUT OF PLUMB ARE TO HAVE COUNTER—BRACED WIRES.
- 7. CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS. CEILING GRID MEMBERS SHOULD 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.
- 8. PERIMETER SUPPORT ANGLES SHALL BE AT LEAST 2 INCHES WIDE, OR USE PROPRIETARY ANGLES & SEISMIC CLIPS THAT HAVE A VALID EVALUATION REPORT.
- O. 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 STRUT OR A 16 GA. WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 8" OR LESS. THIS INTERLOCK IS NOT REQUIRED.
- 10. CEILING AREAS EXCEEDING 2,500 SQUARE FEET SHALL HAVE A SEISMIC SEPARATION JOINT.
- 11. EXPANSION JOINTS SHALL BE PROVIDED AT INTERSECTIONS OF CORRIDORS, LOBBIES AND OTHER SIMILAR
- 12. PENETRATIONS THROUGH THE CEILING, SUCH AS FIRE SPRINKLERS, SHALL HAVE A 2 INCH OVERSIZED RING, SLEEVE OR ADAPTER TO ALLOW FREE MOVEMENT INDEPENDENT OF THE CEILING. ALTERNATE: A FLEXIBLE SPRINKLER FITTING THAT ALLOWS 1 INCH OF MOVEMENT CAN BE USED.
- 13. LATERAL FORCE BRACING IS REQUIRED FOR ALL CEILINGS, EXCEPT CEILING AREAS OF 144 SQUARE FEET OR LESS WITH PERIMETER WALLS THAT ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES. SPACING OF BRACING ASSEMBLIES MUST BE SHOWN ON THE PLANS.
- 14. LATERAL FORCE BRACING CONSISTS OF A SET OF 1 COMPRESSION STRUT AND FOUR #12 GA. SPLAYED BRACING WIRES, ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:

  (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 8 FEET BY 12 FEET ON CENTER.
  - (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL D.S.A. APPROVAL.
- 15. COMPRESSION STRUTS SHALL BE ABLE TO RESIST THE VERTICAL PULL INDUCED BY BRACING WIRES, AND SHALL NOT BE MORE THAN 1:6 OUT OF PLUMB.
- 16. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS WITHIN A DISTANCE OF 3 INCHES. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS WITHIN A DISTANCE OF 1-1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
- 17. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC.
- 18. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS WITH SCREWS OR APPROVED FASTENERS AS REQUIRED TO RESIST A HORIZONTAL FORCE EQUAL TO THE FIXTURES' WEIGHT. MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH LIGHT FIXTURE.
- 19. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM, BUT THEY MUST HAVE A MINIMUM OF TWO #12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. FIXTURES WEIGHING LESS THAN 10 POUNDS MAY HAVE AT LEAST ONE #12 GA. SLACK SAFETY WIRE.
- 20. LIGHT FIXTURES AND OTHER CEILING DEVICES WEIGHING MORE THAN 56 POUNDS SHALL BE INDEPENDENTLY SUPPORTED BY NO LESS THAN FOUR (4) TAUT #12 GAGE WIRES, ATTACHED TO THE STRUCTURE ABOVE. WIRES MUST BE ABLE TO SUPPORT FOUR (4) TIMES THE WEIGHT OF THE UNIT.
- 21. ALL LIGHT-WEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID PER SECTION 2.6.3 OF D.S.A. IR 25–2.13. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE PER SECTION 7.2.2 OF D.S.A. IR 25–2.13. DEVICES WEIGHING MORE THAN 20 LBS. SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE PER SECTION 7.3.4 OF D.S.A. IR 25–2.13.
- 22. PANELS THAT WEIGH MORE THAN 0.5 LBS/SQ.FT. (PSF), OTHER THAN MINERAL FIBER ACOUSTIC TILES, SHALL BE POSITIVELY ATTACHED TO CEILING SUSPENSION RUNNERS.
- 23. ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL—FACED FIBERGLASS, LAY—IN PANELS, SQUARE EDGE, ASTM FLAME SPREAD CLASS T, 24"x48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM, MAXIMUM SMOKE DENSITY NOT TO EXCEED 450. FLAME SPREAD RATING MAXIMUM OF 200. PANELS ARE NOT ALLOWED TO SUPPORT ANY FIXTURE, TERMINAL OR DEVICE.

MANUFACTURER	MAIN TEE	H.D. 4' CROSS TEE	H.D. 2' CROSS TEE	RUNNER SPLICE DETAIL
DONN/USG	DX-26	DX-424	DX-216	N/A
ARMSTRONG	7301	XL7341	XL8320	N/A
CHICAGO/ROCKFON	200.01	1274.01	1202.01	N/A

		HVAC CFM	I CHA	ART			
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER	COP	CLIMATE ZONE(S)
	W42HA-A	3½ TON HEAT PUMP	1250	471	10.2	3.0	1–16
BARD WALL HUNG	W48HA-A	4 TON HEAT PUMP	1400	480	10.0	3.0	1–16
	W60HA—A	5 TON HEAT PUMP	1450	525	10.4	3.0	1–16

		HVAC CFM	1 CHA	<del>/</del>    <b>/</b>			
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER	COP	CLIMATE ZONE(S)
	Q43H3-A	3½ TON HEAT PUMP	1200	615	10.0	3.0	1–16
BARD Q-TEC	Q48H3-A	4 TON HEAT PUMP	1400	620	10.0	3.0	1-16
	Q60H3-A	5 TON HEAT PUMP	1550	625	10.0	3.0	1–16

HVAC CFM CHART										
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER	SEER	CLIMATE ZONE(S)			
	50VT-C423TP	3½ TON HEAT PUMP	1400	435	11.5	14.0	1–16			
CARRIER ROO MOUNT	50VT-C483TP	4 TON HEAT PUMP	1600	456	12.0	14.0	1–16			
	50VT-C603TP	5 TON HEAT PUMP	1750	487	11.5	14.0	1–16			

HVAC CFM CHART										
	MODEL #	DESCRIPTION	AIR HANDLER MODEL #	MAX. CFM	UNIT WEIGHT (LBS)	EER	SEER	CLIMATE ZONE(S)		
and Sales	25HCE442A003	3½ TON HEAT PUMP	FX4DN043	3810	170	11.5	14.0	1-16		
CARRIER SPLIT DX SYSTEM	25HCE448A003	4 TON HEAT PUMP	FX4DN049	4046	170	11.7	14.0	1-16		
	25HCE460A003	5 TON HEAT PUMP	FX4DN061	4046	198	11.7	14.0	1-16		

	HVAC SCHEDULE											
BUILDING SIZE		# OF HVAC										
BUILDING SIZE	2 TON HVAC	4 TON HVAC	5 TON HVAC									
24'x40'	1											
36'x40'		1										
☐ 48'x49'	2											
60'x40'		2										
72'x40'	3		2									
84'x40'		3										
96'x40'	4		3									
108'x40'		4										
120'x40'	5											

	INSULATION SCHEDULE										
ZONE	WALL	Ro	OF	FLOORS (NON-CONCRETE)	CONCRETE FLOORS						
Mary 1		BATTS	OTHER	(NON-CONCILE)							
1-14, & 15	*R-13	**R-19	***R-1	R-13	_						
16	*R-13	**R19	***R-1	R-13	_						

*R-5 RIGID INSULATION TO BE USED OVER METAL FRAMED WALLS
**R-19 w/ 22 GA WIRE @ 16" O.C.

***R-1 MAY BE ACHEIVED w/ POLYSTYRENE OR INSULATION TAPE APPLIED TO TOP FLANGE OF PURLINS. OR EQUAL.

### HEATING VENTILATING AND AIR CONDITIONING (HVAC)

- 1. HEAT PUMP: SINGLE PACKAGE WALL-MOUNTED AIR-TO-AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH A.R.I. STANDARD 240-77. MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT. ALL UNITS SHALL BE 230/208 VOLT, 1 PHASE SYSTEM, UL TESTED & APPROVED OR COMPARABLE, AND MEET CURRENT ENERGY STANDARDS.
  - A. THE SYSTEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 78 DEGREES F. WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100 DEGREES F. IN THE SUMMER.
  - B. THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE—THIRD FRESH AIR.

#### 2. DUCTWORK

- A. CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH C.M.C., ASHRAE GUIDE EQUIPMENT VOLUME, AND SMACNA LOW VELOCITY DUCT CONSTRUCTION MANUAL, LATEST EDITIONS. ALL DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT WRAP WITH VAPOR BARRIER. PROVIDE 1" DUCT ATTENUATION AT ALL DUCTWORK WITHIN 2'-0" OF HVAC UNIT.
- B. NON-METALLIC DUCTWORK OPTION: IN ACCESSIBLE CONCEALED PORTIONS OF DUCT SYSTEM, RIGID 1" FIBERGLASS OR INSULATED FLEX-DUCT WITH VAPOR BARRIER MAY BE SUBSTITUTED FOR SHEET METAL DUCTWORK. ALL DUCTWORK WITHIN 2'-0" OF THE HVAC UNIT AND ALL INTERFACE CONNECTIONS SHALL BE METAL. DUCTWORK AND REINFORCEMENT SHALL BE DESIGNED FOR 2" STATIC PRESSURE. REFERENCE BRANDS: OWENS-CORNING FIBERGLASS DUCTBOARD, 1" THICK, AND MICRO-AIRE TYPE 475. NON-METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND SMACNA CLASS 1 RATING.
- 3. AIR DUCT INSULATION AND LININGS SHALL COMPLY WITH FLAME SPREAD LESS THAN OR EQUAL TO 25, SMOKE GENERATION LESS THAN OR EQUAL TO 50.
- 4. SUPPLY AIR DIFFUSERS SHALL BE 675 CFM MAXIMUM, 12" ROUND. 1" FIBERGLASS OR FLEXDUCT DUCTWORK SPECIFICALLY DESIGNED TO PROVIDE AIR THERMAL COOLING SYSTEMS. 24"x8"x1" MICRO-AIRE TYPE #475 OWENS-CORNING, KNAUF, CERTAINTEED, OR EQUAL AND 90-B: UL #131 TEST, CLASS 1 RATING WITH "SMACNA".
- 5. REGISTERS AND DIFFUSERS: PROVIDE THREE (MINIMUM) 4—WAY THROW AIR DIFFUSERS AS MANUFACTURED BY CARNES, TITUS, HART AND COOLEY, METALAIRE, SHOEMAKER, BARBER—COLEMAN OR KRUEGER COMMERCIAL GRADE GRILLS AND REGISTERS.
- 6. AIR CONDITIONING CONTROLS: PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL
  - HAVE THE FOLLOWING FUNCTIONS:

    A. 5 AND 2 WEEKDAY/WEEKEND PROGRAMMING DAYS WITH 4 SEPARATE TIME/TEMPERATURE SETTINGS
  - FOR A 24-HOUR PERIOD.

    B. KEY BOARD LOCKOUT SWITCH.
  - C. PROGRAMMABLE DISPLAY.
  - D. 2-HOUR OVERRIDE MINIMUM.
  - E. STATUS INDICATED LED'S.
    F. BATTERY BACK-UP.
  - G. PROVIDE LOCKING CLEAR THERMOSTAT COVER WITH THERMOSTAT COVER WITH ACCESS HOLE FOR PROGRAM OVERRIDE. WHITE RODGERS IF92-371. MOUNT TOP OF BOX @ 48" A.F.F. MAX.
- 7. THERMAL INSULATION
  - A. ROOF INSULATION: R-19 WITH 22 GA. WIRE @ 16" O.C. & R-1 TOP OF PURLINS.
  - B. WALLS INSULATION: R-13 KRAFT FACED. (R-5 INSULATION OVER METAL FRAMED WALLS)
  - C. NON-CONCRETE FLOORS INSULATION: R-13
  - D. CONCRETE FLOORS INSULATION: N/A
    E. FLAME SPREAD AND SMOKE DEVELOPMENT SHALL CONFORM TO CALIFORNIA BUILDING CODE SEC.
- 8. FACTORY-MADE AIR DUCTS
  - A. FACTORY—MADE AIR DUCTS

    A. FACTORY—MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO
- THE REQUIREMENTS OF C.M.C. SECTION 601.0.

  B. EACH PORTION OF A FACTORY—MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE
- MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE WITH C.M.C. SECTION 601.0 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE LISTED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING AND THE REQUIREMENTS OF C.M.C. SECTION 601.0.
- C. DUCT SUPPORT FLEX DUCT TO BE SUPPORTED WITH 1-1/2" WIDE x26 GA. GALV. STRAP @ MAX 6'-0" O.C. ATTACH TO RAFTER WITH TWO #8 S.M.S. @ FACH FND.
- D. SUPPLY AIR PLENUM TO BE SUPPORTED WITH 1-1/2" WIDE x26 GA. GALV. STRAPS MINIMUM 2 PER PLENUM.
- E. SUPPLY AIR BOX AND DIFFUSERS TO BE SUPPORTED WITH (2) 12 GA. HANGER WIRES TO BOX @ OPPOSITE CORNERS.
- F. SUPPLY AIR BOX AND DIFFUSERS TO BE BRACED WITH (2) 12 GA. SLACK WIRES TO BOX @ OPPOSITE CORNERS. ATTACH SUPPLY AIR DIFFUSERS TO CEILING GRID TO RESIST A LATERAL LOAD EQUAL TO THE WEIGHT OF THE DIFFUSER AND SUPPLY AIR BOX WITH TWO #8 S.M.S.
- 9. FIREBLOCKING SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS:
  - A. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES; B. AT THE CEILING AND FLOOR LEVELS:
  - C. AND AT 10-FOOT (3048mm) INTERVALS BOTH VERTICAL AND HORIZONTAL.
- REFERENCE 2016 CBC SECTION 718.

  10. THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY
- INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"), SECTION 5.504.4.
- (SEE SHEET N1.0, SECTION 9C "INTERIOR AIR QUALITY CONTROL")
- 11. HVAC FILTER
  - A. FILTERS SHALL HAVE A "MINIMUM EFFICIENCY REPORTING VALUE" OF 8 (MERV 8) AND SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL, PER 2016 CEC SECTION 5.504.5.3.
  - B. INSTALLED FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INCLUDING THE MERV RATING, PER 2016 CEC SECTION 5.504.5.3.1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 03-121484 INC:

REVIEWED FOR
SS FLS ACS D

DATE: 08/11/2021

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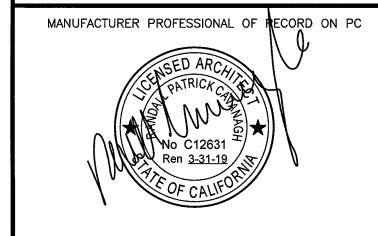
24'x40' THRU 120'x40' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

PRE-CHECKED SET NAME

SHEET TITLE

CEILING & MECHANICAL NOTES & SCHEDULES



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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

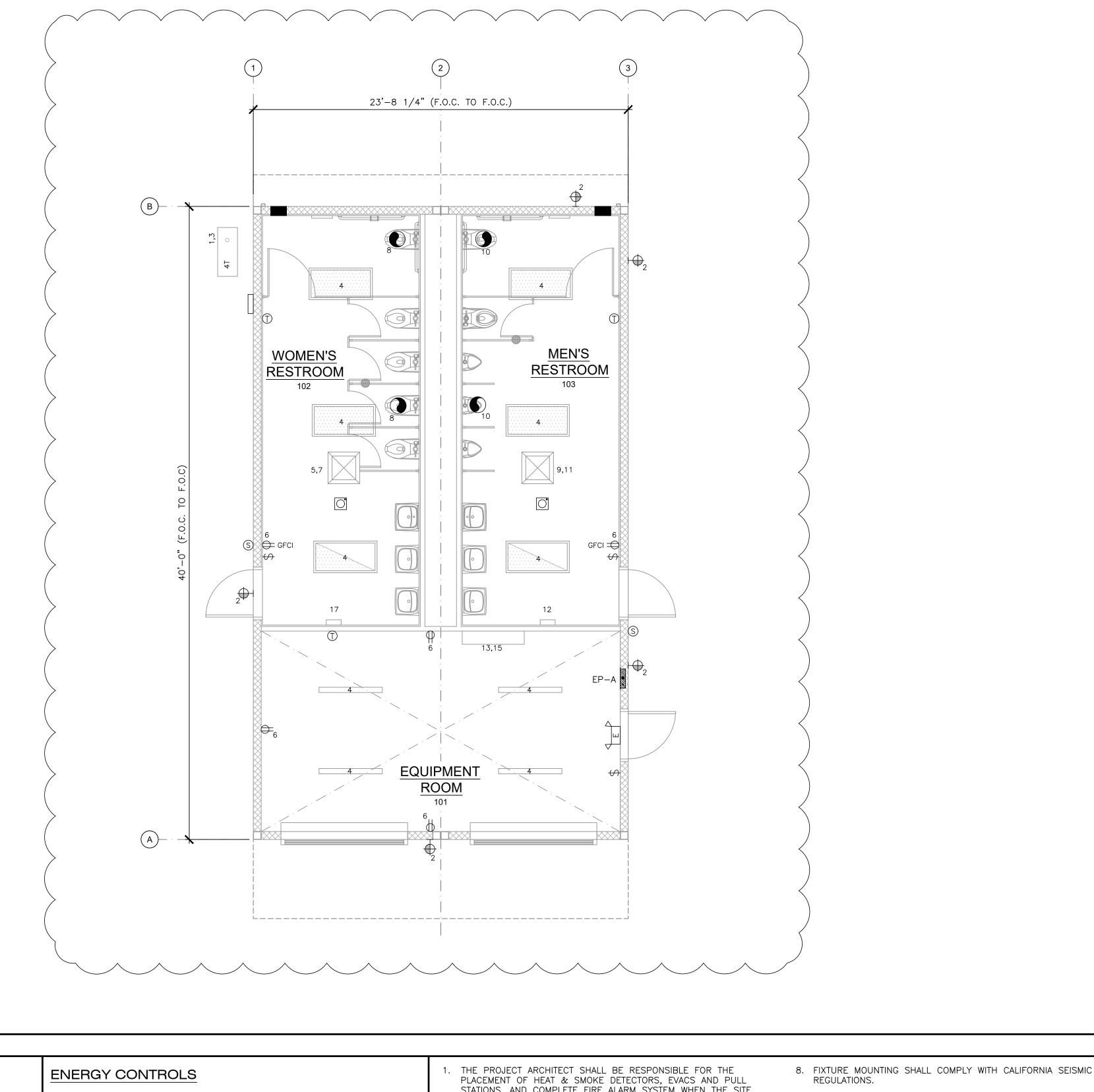
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IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
PC 02-115700
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DATE 8-31-2018
PRE-CHECK (PC) DOCUMEN

CODE 2016 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

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SCALE:	AS NOTED .	
DATE:	•	
	SHEET NUMBER	

M1.7



ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH,

- INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE @ EACH DOOR, LED OR EQUAL (MAX 35W)
- EXTERIOR LIGHT FIXTURE @ EACH DOOR, LED OR EQUAL (MAX 35W) - WHERE THERE ARE TWO OR MORE EXITS, A MINIMUM 90 MIN. BATTERY BACK-UP IS REQUIRED
- EXTERIOR SOFFIT MOUNTED LIGHT FIXTURE ENERTRON MODEL 110BSH2X7LED-50 LOW PROFILE CANOPY, LED OR EQUAL (MAX 16W) (AT STAIR LANDINGS, PROVIDE (1) WITH EMERGENCY 90 MINUTE MINIMUM BATTERY BACK-UP.)
- UNCONTROLLED-DUPLEX WALL CONVENIENCE OUTLET -MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
- CONTROLLED-DUPLEX WALL CONVENIENCE OUTLET -MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N. - TO BE CONTROLLED BY OCCUPANCY SENSOR.
- COMBO-DUPLEX WALL CONVENIENCE OUTLET MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
- FOURPLEX WALL OUTLET MOUNT @ +18" A.F.F. TO CENTER LINE - U.O.N.
- WP/GFCI WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- GFCI GROUND FAULT CIRCUIT INTERRUPT OUTLET MOUNT @ 18" A.F.F. TO CENTERLINE — U.O.N.
- CONTROLLED-SINGLE POLE LIGHT SWITCHES MOUNT @ +46" A.F.F. MAX TO TOP OF BOX - HUBBELL PREMIUM, BRYANT HEAVY DUTY. OR LEVITON SPECIFICATIONS GRADE.
- SINGLE POLE SOLA-TUBE SWITCH MOUNT @ +48" A.F.F.
- MAX TO TOP OF BOX. SWITCH SUBSCRIPTS — a=DEVICE CONTROLLED.
- THERMOSTAT TOP OF BOX MOUNTED @ +46" A.F.F.
- JUNCTION BOX SIZE / LOCATION A.F.F. / TYPE AS
- ELECTRICAL CROSSOVER J-BOX ABOVE CEILING -#1- 4"x1", #22- 4"x2"
- CLOCK/SPEAKER COMBO MOUNT @ +90" A.F.F. TO CENTERLINE - U.O.N. - DEVICE BY OTHERS
- SPEAKER OUTLET ONLY 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +84" A.F.F. TO CENTERLINE - DEVICE BY OTHERS
- DATA/COMMUNICATION OUTLET ONLY 4" SQ BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N., AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- CATV OUTLET OUTLET ONLY PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - (1) 3/4" DIA CONDUIT - STUBBED ABOVE CEILING - DEVICES BY
- INTERCOM/TELEPHONE OUTLET ONLY 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT TOP OF BOX @ +48" A.F.F. U.O.N. AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- SECURITY/INTRUSION KEY PAD OUTLET ONLY 4" SQ. BOX w/ SINGLE DEVICE RING AND COVER, MOUNT TOP OF BOX @ +48" A.F.F., AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- DOOR CONTACT PROVIDE (1) EMPTY 1/2" DIA EMT THROUGH DOOR HEADER - STUBBED ABOVE CEILING -DEVICE BY OTHERS
- MOTION SENSOR OUTLET PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING
- ULTRASONIC OCCUPANCY SENSOR MOUNTED TO FINISH CEILING
- FIRE ALARM PULL STATION OUTLET ONLY PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - TOP OF OPERATING HANDLE MOUNTED BETWEEN +42" TO +48" A.F.F. - DEVICE BY OTHERS
- FIRE ALARM HORN OUTLET ONLY 4" SQ. SINGLE GANG J-BOX WITH BLANK WEATHERPROOF COVER -MOUNTED +90" A.F.F. TO CENTERLINE - DEVICE BY
- MINI HORN BOX OUTLET ONLY SINGLE DEVICE RING AND COVER - MOUNTED +80" A.F.F. TO CENTERLINE BUT NO GREATER THAN +96" - DEVICE BY OTHERS
- VISUAL FIRE ALARM ALARM OUTLET ONLY 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT SO THAT LENS IS BETWEEN 80"-96" A.F.F. (CEILING MOUNT PER NFPA72 TABLE 6-4.4.1(b) ) DEVICE BY OTHERS.



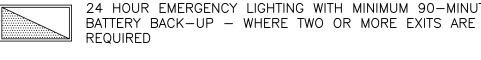
SCALE: 1/4" = 1' - 0"

2'x4' LED DROP IN FIXTURE, MODEL: LITHONIA, VTLED 2VTL4, 4000K SP41 - 40 WATTS MAX (60 WATTS ALLOWABLE AT CZN 16) OR EQUAL



2VTL2, 4000K SP41 - 40 WATTS MAX (60 WATTS ALLOWABLE AT CZN 16) OR EQUAL 24 HOUR EMERGENCY LIGHTING WITH MINIMUM 90-MINUTE

2'x2' LED DROP IN FIXTURE, MODEL: LITHONIA, VTLED



REQUIRED EMERGENCY EXIT LIGHT, - WHERE THERE ARE TWO OR MORE EXITS, AN EXIT SIGN WITH INTEGRAL EMERGENCY

LIGHTING W/MINIMUM 90-MINUTE BATTERY BACK-UP IS REQUIRED.

ELECTRICAL DISCONNECT — MAINTAIN MINIMUM 30"x36" CLEARANCE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-121484 INC: **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 DATE: 08/11/2021

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24'x40' THRU 120'x40' STANDARD MODULAR BUILDINGS

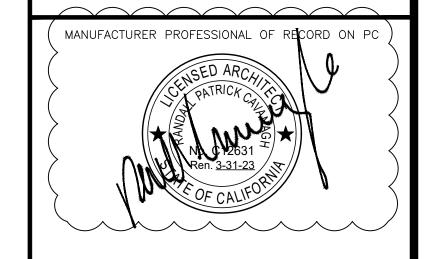
PROPERTY OF AMS.

SITE SPECIFIC PROJECT NAME

VENTURA COUNTY MOORPARK ROAD (1) 24'x40' BUILDING

SHEET TITLE

**TYPICAL** ELECTRICAL PLAN



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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC02-115700

REVISIONS DRAWN BY: AA/KA AS NOTED 07/15/21 SHEET NUMBER

- <u>AUTOMATIC DAYLIGHTING CONTROLS:</u> NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SIDELIT DAY LIT ZONE IS 80 WATTS (2x 40w, AS SHOWN IN THE SHADED AREAS). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.
- ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION: PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL CONTROL LIGHTING, IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.
- <u>SOLAR-READY ZONE REQUIREMENTS:</u>
  REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0
- NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

- STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.
- . ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC.
- PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).
- 4. SEE PLANS FOR LOCATIONS OF ALL DEVICES.
- 5. STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.
- 6. STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.
- THE LIGHTS FOR EACH ROOM OVER 250 SQ FT SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH BI-LEVEL SWITCHING.

SIGNAL.

9. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM

1. DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS

3. DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE

2. DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE

CAPABLE OF RECEIVING AND AUTOMATICALLY RESPONDING TO AT

LEAST ONE STANDARD-BASED MESSAGING PROTOCOL WHICH

ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND

4. SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE

CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM

NRCC-ELC-01-E TO DSA (BY OTHERS).

SHOWN TO MATCH T-BAR GRID LAYOUT.

DEMAND RESPONSE CONTROLS

PROVIDED BY OTHERS.

LARGER THAN 10,000 S.F.

STANDARD ELECTRICAL SYMBOLS

UNCONTROLLED

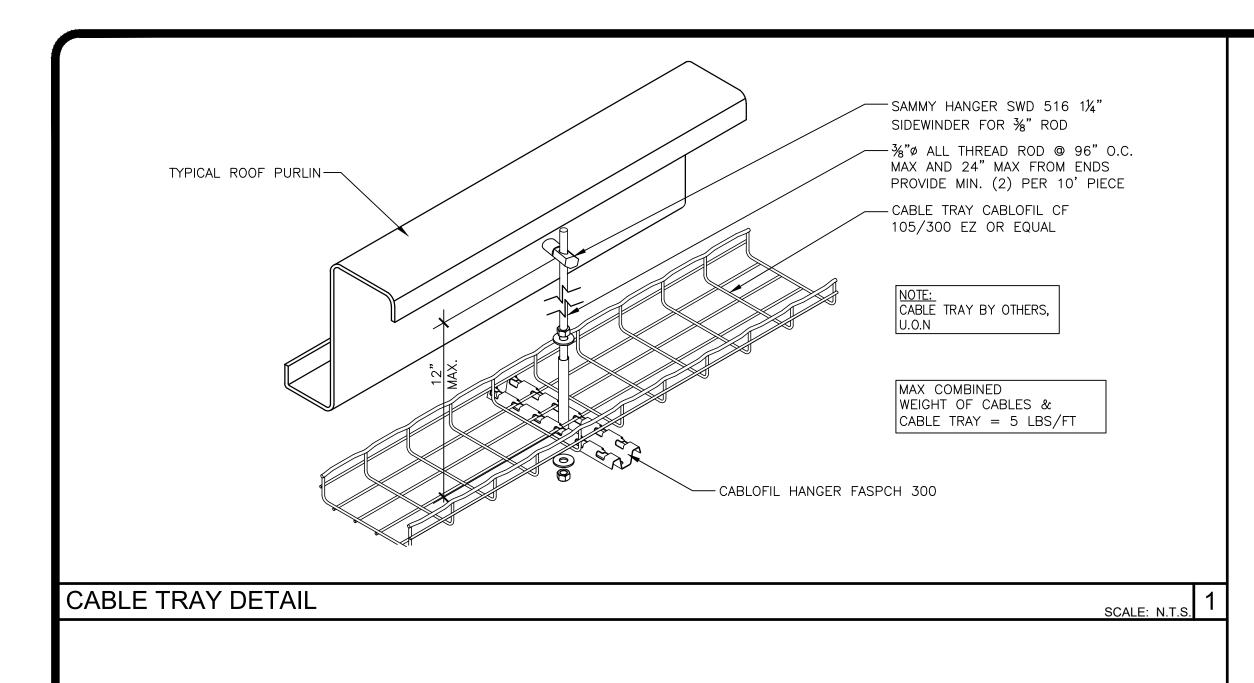
TYP. CONTROLED/UNCONTROLED

RECEPTACLE WIRING DIAGRAM

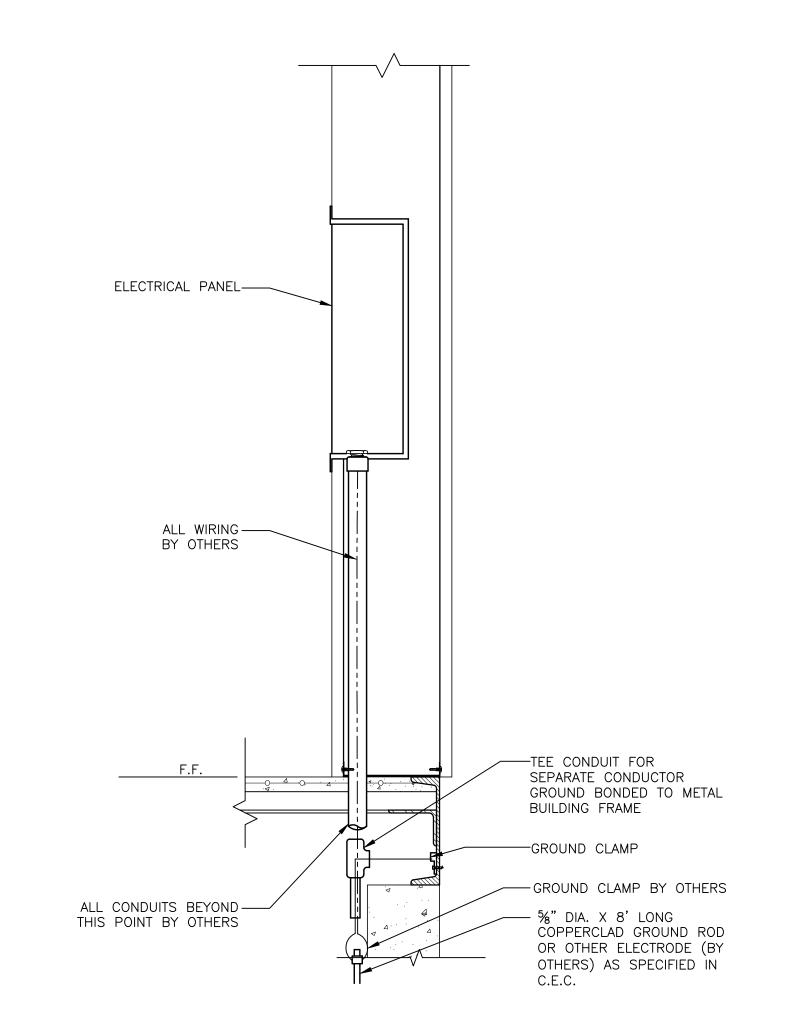
TYPICAL ELECTRICAL PLAN

**ENERGY NOTES** 

**GENERAL NOTES** 



NOT USED



- 1. SIZE OF CONDUCTORS SHALL COMPLY w/CEC.A
- 2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & METAL BUILDING FRAME (CEC). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (CEC).
- 3. ELECTRICAL BOND MODULES TOGETHER W/#8 CU @ MODLINE. BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING DETAIL PER DSA IR E-1. INSPECTOR TO WITNESS GROUNDING TEST.

#### FIRE ALARM SYSTEM

- 1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, CALIFORNIA FIRE CODE AND THE CALIFORNIA BUILDING CODE.
- 2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY DSA.
- 3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
- 4. JUNCTION BOXES GALVANIZED SHEET METAL, SQUARE OR RECTANGULAR WITH BLANK COVERS. LOCATE ONE BOX AT REAR OF BUILDING NEAR MAIN ELECTRICAL PANEL @ +18" ABOVE FINISH FLOOR FOR FUTURE CONNECTION.
- 5. COVERS INSTALL GASKETED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS.
- 6. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHALL'S REGULATIONS (CBC SEC. 907.2.3) AND THE 2016 EDITION OF NFPA 72.
- 7. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
- 8. ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS, WHICHEVER IS GREATER, MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 18.4.1).
- 9. THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ), NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHALL APPROVED AND LISTED (NFPA 72, SEC. 18.5.3).
- 10. AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 CHAPTER 26 AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 15db OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING AGENCY.

#### GENERAL NOTES

- 1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
- 2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
- 3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.
- 4. ALL PANELS, SWITCHES, DISCONNECTS, BREAKERS, METERS, AND OTHER ELECTRICAL ELEMENTS SHALL BE PLACED ABOVE THE ELEVATION REQUIRED BY ASCE 24-14, SECTION 7.2.

## FIXTURE NOTES:

- 1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
- 2. LUMINARIES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE, TITLE 24.
- 3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.
- 4. ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
- 5. MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.
- 6. ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING, SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN. OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS SHALL HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
- 7. 2X4 FLUORESCENT FIXTURES SHALL HAVE A STEEL FRAME, LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-2, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE 0.125 INCHES.
- 8. FLUORESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT, CLASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (2) YEARS AND BE REPLACEABLE FROM INSIDE THE FIXTURE.
- 9. CLOCK 12" DIAL CLOCK ON CLOCK OUTLET.
   A. CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 129V 60 CYCLE
   B. CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH
   SEPARABLE HANGING CLIP & APP'D RECEPT. THE H.V.A.C. UNIT
   FEEDER CIRCUIT PANEL CIRCUIT BREAKER, FEEDER WIRE, UNIT
   DISCONNECT AND FUSES (WHERE USED) IS TO BE COORDINATED
   WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C.
   UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS
   PANEL SCHEDULE WILL NOT BE ALLOWED TO BE INSTALLED ON THIS
  - BUILDING.

    C. IF 60 DEGREES WIRE IS TO BE USED IN THIS INSTALLATION,
    CALCULATIONS DEMONSTRATING AMPACITY SHALL BE PROVIDED ON
    THE DRAWING.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-121484 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 08/11/2021

MODULAR MANUFACTURER PROPRIETARY STATEMENT

THESE DRAWINGS AND THE MATERIAL CONTAINED THERE—IN ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. (AMS) AND SHALL NOT BE REPRODUCED, COPIED OF OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF AMS. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH AMS SHALL BE THE SOLE PROPERTY OF AMS.

PRE-CHECKED SET NAME

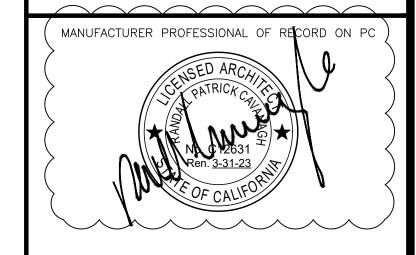
24'x40' THRU 120'x40' STANDARD MODULAR BUILDINGS

SITE SPECIFIC PROJECT NAME

VENTURA COUNTY MOORPARK ROAD (1) 24'x40' BUILDING

SHEET TITLE

ELECTRICAL NOTES & DETAILS



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC02-115700

	REVISIONS	
$\triangle$		
2		
$\sqrt{3}$		
4		
DRAWN BY:	AA/KA	
SCALE:	AS NOTED	
DATE:	07/14/21	

E1.2

SHEET NUMBER

ELECTRICAL PANEL CONNECTION DETAIL - UNDERFLOOR OPTION

MOUNTING: Panel: INTERIOR SURFACE WIRE CKT LEGS CKT WIRE POLE BRK LCL QTY WATTS PER WATTS BRK POLE OBJECT DESCRIPTION PER SIZE # A B C # SIZE A B C OBJECT DESCRIPTION A B C 2 #12 1 20 150 Exterior Light HVAC (Condenser) X 4 #12 Interior Lights 10 49 6 #12 2 180 Receptacles (RRs) HVAC (Air Handler) 10 #12 #12 9 X Exhaust Fans 436 HVAC (Air Handler) #12 12 #12 20 Hand Dryei #12 HVAC (Air Handler) 100 #12 16 #12 2 218 Exhaust Fans Hand Dryer 1725 1 1 #12 17 X 18 #12 1 20 1 1725 Hand Dryer Hand Drver 1725 1 20 1 #12 19 X 1725 Receptacles (Storage) 20 1 #12 180 3 540 Emergency Light 11 0 LEG TOTALS 5701 4516 1936 1362 3810 **LEG TOTALS** 150 LCL=0+17475=17475 TOTAL WATTS: 17475 TOTAL AMPS: LEG BALANCE: 1.1% 48.56

LOAD PANEL CALCULATIONS

FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED WITH A RED MARKED DISCONNECT WITH LOCK—ON CAPABILITY (NFPA 72 10.6.5.2)

SCALE: 1-1/2" = 1' - 0"

GENERAL NOTES

