

DESIGN TEAM

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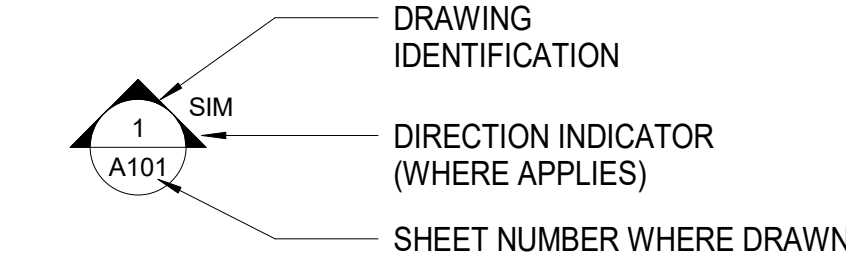
ELECTRICAL
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3251 CORTE MALPASO, #511
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SUMMARY OF SCOPE OF WORK

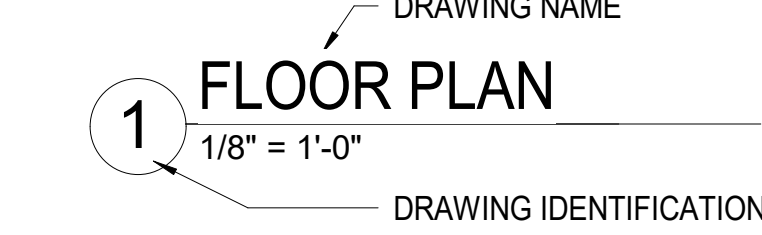
- THE SCOPE OF WORK CONSISTS OF:
- NEW RESTROOMS AND EQUIPMENT ROOM MODULAR BUILDING INCLUDING FIRE ALARM SYSTEM AND DATA SYSTEMS. 960 SF TYPE V-B NON SPRINKLERED BUILDING.
 - SITE IMPROVEMENTS INCLUDING: CROSSWALK, SIDEWALK RAMP AND CONCRETE WALKWAY AROUND NEW MODULAR BUILDING PROVIDED BY AMERICAN MODULAR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

LEGEND

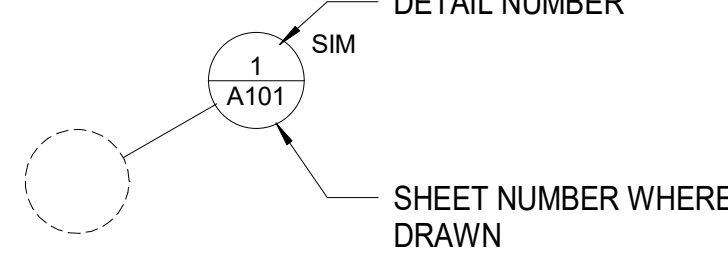
DRAWING REFERENCE



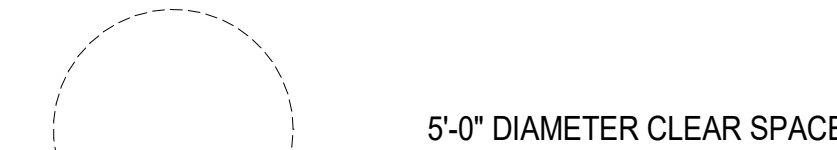
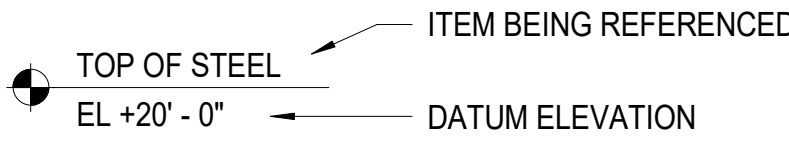
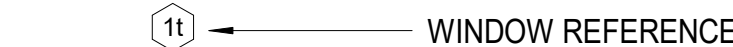
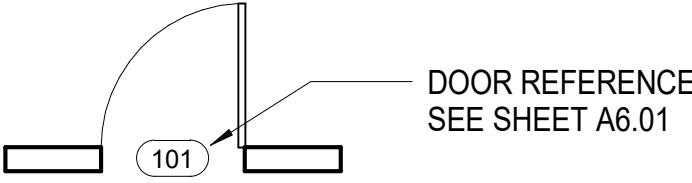
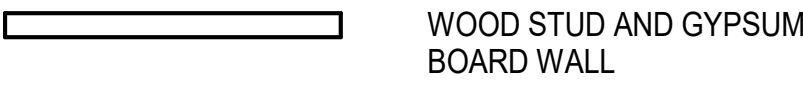
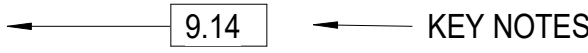
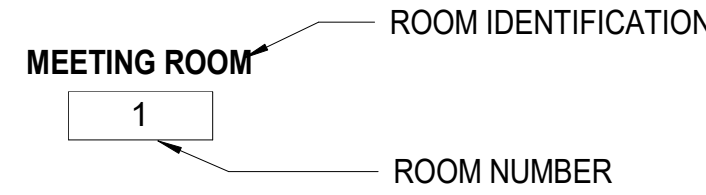
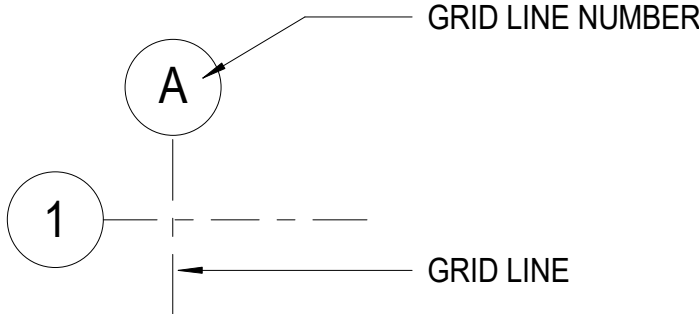
DRAWING TITLE



DETAIL REFERENCE



COLUMN CENTERLINES



ABBREVIATIONS

| | |
|--------|----------------------------|
| & | AND |
| (E) | EXISTING |
| @ | AT |
| A.B. | ANCHOR BOLT |
| A.C. | ASPHALTIC CONCRETE |
| A.F.F. | ABOVE FINISH FLOOR |
| A/C | AIR CONDITIONER |
| ACOUST | ACOUSTICAL |
| AL. | ALUMINUM |
| ALUM | ALUMINUM |
| ARCH | ARCHITECTURAL |
| B.O.C. | BOTTOM OF COPING |
| B.U.R. | BUILT UP ROOFING |
| BD | BOARD |
| BLDG | BUILDING |
| BLK | BLOCK OR BLOCKING |
| BOT | BOTTOM |
| C.I. | CAST IRON |
| C.J. | CEILING JOIST |
| C.L. | CHAIN LINK |
| C.L.F. | CHAIN LINK FENCE |
| C.M.U. | CONCRETE MASONRY UNIT |
| C.T. | CERAMIC TILE |
| CAB | CABINET |
| CER | CERAMIC |
| CLG | CEILING |
| CLO. | CLOSET |
| CLR | CLEAR |
| COL | COLUMN |
| CONC | CONCRETE |
| CONST | CONSTRUCTION |
| CONT | CONTINUOUS |
| d | PENNY |
| D.F | DOUGLAS FIR |
| DBL | DOUBLE |
| DEMO | DEMOLITION |
| DET | DETAIL |
| DIA. | DIAMETER |
| DIM | DIMENSION |
| DIV | DIVISION |
| DR | DOOR |
| DS | DOWNSPOUT |
| DWG | DRAWING |
| E.J. | EXPANSION JOINT |
| E.W.C. | ELECTRIC WATER COOLER |
| EA | EACH |
| ELEC | ELECTRICAL |
| EQ | EQUAL |
| EQUIP | EQUIPMENT |
| EXH | EXHAUST |
| EXIST | EXISTING |
| EXP | EXPANSION |
| EXT | EXTERIOR |
| F.D. | FLOOR DRAIN |
| F.E. | FIRE EXTINGUISHER |
| F.E.C. | FIRE EXTINGUISHER CABINET |
| F.F. | FINISH FLOOR |
| F.G | FINISH GRADE |
| F.H.C. | FIRE HOSE CABINET |
| F.O.C. | FACE OF CONCRETE |
| F.O.S. | FACE OF STUD |
| F.O.W. | FACE OF WALL |
| F.R. | FIRE RATED, FIRE RESISTANT |
| F.S. | FINISHED SURFACE |
| FIN | FINISH |
| FLR | FLOOR |
| FR. | FRAME |
| FT | FOOT OR FEET |
| FTG | FOOTING |
| G.I. | GALVANIZED IRON |
| G.W.B. | GYPSUM WALLBOARD |
| GA | GAUGE |
| GALV | GALVANIZED |
| GEN | GENERAL |
| GYP | GYPSUM |
| H.M. | HOLLOW METAL |
| HDB | HARDBOARD |

ABBREVIATIONS

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

STATE OF GENERAL CONFORMANCE

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

THESE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET (AMERICAN MODULAR SYSTEMS DRAWINGS: TS TO P3.0 BY AMERICAN MODULAR SYSTEMS (BASED ON PC 02-115700) HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR (A# 04-113721):

- DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
- COORDINATION WITH MY PLANS AND SPECIFICATIONS, AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

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

I FIND THAT ☒ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET THIS DRAWING OR PAGE

☒ IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND
☒ HAS / HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE OF THE ARCHITECT
WILLIAM J. AMADOR, ARCHITECT
AMADOR WHITTLE ARCHITECTS, INC.
C-20348
JULY 17, 2021
DATE
JANUARY 31, 2023
EXPIRATION DATE

MOORPARK COLLEGE
STADIUM RESTROOMS & EQUIPMENT ROOM
& FIRE ALARM & DATA SYSTEMS
7075 CAMPUS ROAD
MOORPARK, CALIFORNIA 93021
VENTURA COUNTY COMMUNITY COLLEGE
DRAWING LIST

| SHT NO. | DRAWING TITLE |
|---------|---------------------------------|
| GENERAL | |
| G0.00 | TITLE SHEET |
| G0.01 | GENERAL AND ACCESSIBILITY NOTES |

| | |
|-------|------------------------|
| CIVIL | |
| C1.00 | TITLE SHEET |
| C2.00 | DEMOLITION PLAN |
| C3.00 | GRADING & UTILITY PLAN |
| C4.00 | DETAILS SHEET |
| C5.00 | SPPWC STANDARD PLANS |
| C6.00 | SPPWC STANDARD PLANS |

| | |
|---------------|---|
| ARCHITECTURAL | |
| AA1.00 | CAMPUS SITE PLAN |
| AA1.00a | OVERALL SITE PLAN |
| AA1.02F | SITE PLAN - LOCAL FIRE AUTHORITY REVIEW |
| AA1.03 | ENLARGED SITE PLAN |
| AA5.01 | SITE DETAILS |
| AA5.02 | SITE DETAILS |
| AA5.03 | EXTERIOR & SITE DETAILS |

| | |
|------------|--|
| ELECTRICAL | |
| EE100 | GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST |
| EE110 | SITE PLAN ELECTRICAL |
| EE120 | SITE PLAN ELECTRICAL NEW WORK |
| EE200 | ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULES |
| EE400 | ELECTRICAL POWER & LOW VOLTAGE PLAN |
| EE600 | ELECTRICAL DETAILS |
| FA1.01 | FIRE ALARM GENERAL NOTES AND DEVICES LEGEND |
| FA1.02 | FIRE ALARM DETAILS AND BATTERY CALCULATIONS |
| FA1.03 | FIRE ALARM PLAN |

| SHT NO. | DRAWING TITLE |
|--|---------------|
| AMERICAN MODULAR SYSTEMS ARCHITECTURAL (BASED ON PC 02-115700) | |
| TS | TITLE SHEET |

| | |
|--|---|
| AMERICAN MODULAR SYSTEMS ARCHITECTURAL | |
| D1 | FORM DSA-103 |
| AMERICAN MODULAR SYSTEMS ARCHITECTURAL | |
| N1.0 | GENERAL NOTES & SPECIFICATIONS |
| N2.0 | GENERAL NOTES & SPECIFICATIONS |
| N3.0 | TYPICAL SCHEDULES- DOORS, WINDOWS, & FINISHES |
| N4.0 | ACCESSIBILITY STANDARDS AND DETAILS |
| N5.0 | MULTIPLE FLOOR PLAN CONFIGURATIONS |

| | |
|--|---------------------|
| AMERICAN MODULAR SYSTEMS ARCHITECTURAL | |
| EN.1 | ENERGY CALCULATIONS |
| EN.2 | ENERGY CALCULATIONS |
| EN.3 | ENERGY CALCULATIONS |
| EN.4 | ENERGY CALCULATIONS |
| EN.5 | ENERGY CALCULATIONS |
| EN.6 | ENERGY CALCULATIONS |
| EN.7 | ENERGY CALCULATIONS |
| EN.8 | ENERGY CALCULATIONS |
| EN.9 | ENERGY CALCULATIONS |

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|--|---|
| AMERICAN MODULAR SYSTEMS ARCHITECTURAL | |
| A1.0 | TYPICAL FLOOR PLAN |
| A1.2 | RESTROOM FLOOR PLAN OPTIONS |
| A2.3 | TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP (WITHOUT PARAPETS) |
| A2.5 | TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP (WITHOUT PARAPETS) |
| A4.1 | INTERIOR ELEVATIONS - RESTROOM OPTIONS |
| A5.1 | TYP. ARCHITECTURAL DETAILS - DURATEMP 303 SIDING OPTION |
| A5.6 | TYPICAL EXTERIOR ELEVATIONS - SYNTHETIC STUCCO OPTION |
| A5.7 | TYPICAL ARCHITECTURAL DETAILS - SYNTHETIC STUCCO OPTION |
| A7.1 | MISCELLANEOUS ARCHITECTURAL DETAILS |

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|-------------------------------------|---|
| AMERICAN MODULAR SYSTEMS STRUCTURAL | |
| S0.0 | STEEL MEMBER PROPERTIES |
| S1.1 | CONCRETE FOUNDATION PLAN - 50 PSF LIVE LOAD +15 PSF PARTITION LOAD |
| S1.4 | CONCRETE FOUNDATION DETAILS |
| S1.5 | CONCRETE FOUNDATION DETAILS |
| S1.6A | STANDARD FOUNDATION ANCHORAGE DETAILS |
| S1.6B | UPGRADED FOUNDATION ANCHORAGE DETAILS |
| S1.7 | CONCRETE FOUNDATION OPTIONAL UTILITY OPENINGS IN FOOTINGS |
| S3.3 | FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR W/3H-DECK OR 3WXH-DECK OPTION (150 PSF MAX. FLOOR L.L.) |
| S4.1 | ROOF FRAMING PLAN & DETAILS - ENCLOSED SOFFIT OPTION |
| S4.2 | ROOF FRAMING DETAILS |
| S5.0 | MOMENT FRAME ELEVATIONS & DETAILS |
| S5.1 | MOMENT FRAME CONNECTION DETAILS |
| S6.0 | TYPICAL LONGITUDINAL & TRANSVERSE FRAME SECTIONS |
| S8.0 | WALL FRAMING ELEVATIONS & SCHEDULES - WOOD STUDS |
| S8.1 | WALL FRAMING DETAILS - WOOD STUDS |

| | |
|-------------------------------------|--|
| AMERICAN MODULAR SYSTEMS MECHANICAL | |
| M1.0 | TYPICAL REFLECTED CEILING PLAN |
| M1.1 | TYPICAL MECHANICAL PLAN OPTIONS |
| M1.4 | MECHANICAL & CEILING DETAILS |
| M1.5 | MECHANICAL & CEILING DETAILS |
| M1.6 | MECHANICAL ROOF DETAILS |
| M1.7 | CEILING & MECHANICAL NOTES & SCHEDULES |

| | |
|-------------------------------------|----------------------------|
| AMERICAN MODULAR SYSTEMS ELECTRICAL | |
| E1.0 | TYPICAL ELECTRICAL PLAN |
| E1.2 | ELECTRICAL NOTES & DETAILS |

| | |
|-----------------------------------|---|
| AMERICAN MODULAR SYSTEMS PLUMBING | |
| P1.0 | RESTROOM OPTIONS, PLUMBING PLAN, & FIXTURE SCHEDULE |
| P2.0 | PLUMBING DETAILS & ACCESSIBLE DETAILS |
| P3.0 | PLUMBING ISOMETRIC DRAWINGS |
| TOTAL SHEETS: | 75 |

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

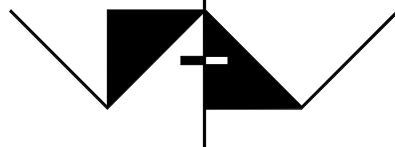
VCCCD
BID 624

PROJECT TITLE

STADIUM RESTROOMS
AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA
93021

COMMISSIONED ARCHITECT



AMADOR WHITTLE
ARCHITECTS, INC.

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 TITLE:

TITLE SHEET

| | | | |
|-------------|------------|---------------|----------|
| PROJECT NO: | 20-MPC-036 | PROJECT ARCH: | Designer |
| DRAWN: | LJA | CHECKED: | WJA |

SHEET NUMBER:

G0.00

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

GENERAL NOTES

- INTERPRETATION OF CONSTRUCTION DOCUMENTS
 - 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 EXECUTED, BUT WITHOUT GUARANTEE OF ACCURACY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND SHALL REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO COMMENCING ANY WORK.
 - 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.
 - THE CONTRACTOR SHALL FURNISH ALL BIDDERS WITH A COMPLETE SET OF CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO DRAWINGS, SPECIFICATIONS AND ADDENDUMS.
 - 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.
 - MODIFICATIONS OF DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT AND DSA.
- CONTRACTOR SHALL VISIT THE SITE TO INVESTIGATE AND VERIFY ALL DIMENSIONS AND EXISTING SITE CONDITIONS AT JOB SITE PRIOR TO START OF WORK.
- 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.
- DIMENSIONS SHOWN SHALL HAVE PREFERENCE OVER SCALE.
- ALL ITEMS INCLUDING BUILDINGS SHOWN ARE NEW UNLESS NOTED AS EXISTING (E).
- 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.
- CONTRACTOR SHALL PROTECT ALL SURFACES & FIXTURES TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
- 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.
- 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.)
- WHERE PATCHES ARE REQUIRED IN EXISTING, SURFACES ADJACENT MATERIAL SHALL BE MATCHED IN TEXTURE AND FINISH.
- "DEMOLISH" AND "REMOVE" SHALL MEAN TO DEMOLISH, REMOVE FROM THE SITE AND DISPOSE OF IN A LEGAL MANNER UNLESS NOTED OTHERWISE. TERMINATE PIPING BELOW SUBSTRATE FOR PATCHING. ELECTRICAL WIRE DISCONNECT SHALL BE AT THE SOURCE OF POWER.
- 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.
- 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.
- 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 DEMOLITION, EARTHWORK OR CONSTRUCTION WORK.
- GENERAL CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO START OF CONSTRUCTION. ALL QUESTIONS SHALL BE SENT TO ARCHITECT.
- 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.
- 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.
- ROUTES OF INGRESS AND EGRESS FOR MATERIALS AND WORKMEN, AND LIMITS OF THE PROJECT AREA WILL BE DESIGNATED BY THE OWNER. THE CONTRACTOR SHALL CONFINES HIS ACTIVITIES 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

- SHUT DOWN OF EXISTING AND OPERATING PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS OR PORTIONS THEREOF SHALL BE COORDINATED IN ADVANCE WITH THE OWNER.
- 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 WRITING BEFORE PROCEEDING WITH ANY RELATED WORK.
- 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.
- 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.
- CEILING HEIGHT DIMENSIONS ARE FROM FINISH FLOOR TO FINISH FACE OF CEILING.
- WHERE NEW WALLS ALIGNS WITH EXISTING WALL, PROVIDE SMOOTH INVISIBLE TRANSITION BETWEEN NEW AND EXISTING.
- NEW GYPSUM BOARD FINISH SHALL BE 5/8" TYPE 'X' OR AS REQUIRED FOR UL FIRE-RATING AS INDICATED ON DRAWINGS.
- 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.
- 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.
- A) SLABS ON EARTH, SIDEWALKS AND CURBS: 3,000 PSI AT 28 DAYS
- NOT USED.
- THE CONTRACTOR SHALL NOT COMMENCE THE WORK, IN PART OR IN FULL, PRIOR TO OBTAINING THE NOTICE-TO-PROCEED (NTP) FROM VCCCD.
- IN CASE OF CONFLICT, THE MORE EXPENSIVE CONSTRUCTION MEANS AND METHOD SHALL BE USED.
- 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 10- | 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. |
| 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) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES") | 2016 EDITION |
| 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

- SYMBOL OF ACCESSIBILITY**
 - 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.
 - 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 CHARACTERS ON A LIGHT BACKGROUND.

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

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

FIGURE 17-6

- ENTRANCES**
 - 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.
 - HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44-INCHES ABOVE THE FLOOR. PANIC HDWR TO BE MOUNTED ABOVE 34" TO 44"
 - 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.
 - 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.
 - 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.
- ACCESSIBLE ENTRANCES**
 - 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.
- SIGNS**
 - 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.
- PATH OF TRAVEL**
 - 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.
 - 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 HARSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT." (DSA PR15-01)
 - 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

- 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 REGULATIONS. 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 COMPLY 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.
- ALL WORK SHALL CONFORM TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- 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.
- 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).

VICINITY MAP

VENTURA COUNTY FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU
165 DURLLEY 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
(To Be Completed by Applicant)

| | | | |
|------------------|------------------|-------|---------------|
| 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: 8' | |
| Type: Wet | Size: 6" | # of Outlets: 1 | 4" 1 2 1/2" |
| * Distance to parcel shall be measured along the vehicular access | | | |
| Test Result Information: | | | |
| Method Used to Obtain Results: Hydraulic Model <input type="checkbox"/> Flow Test <input checked="" type="checkbox"/> | | | |
| Date of Test: 3/18/2021 | Time of Test: 02:50 | <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM | |
| Static PSI: 125 | Residual PSI: 111 | Orifice: 2-1/2" | Pitot: 80 |
| 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 Date: 3/22/2021
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: _____

May 22, 2020 **Fire-flow Verification** 625-1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

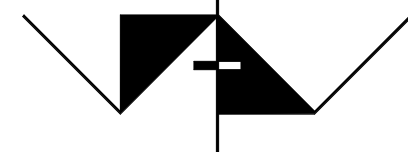
APP: 03-121484 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOMS AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA
93021

COMMISSIONED ARCHITECT



AMADOR WHITTLE
ARCHITECTS, INC.

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 TITLE:

GENERAL AND ACCESSIBILITY NOTES

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

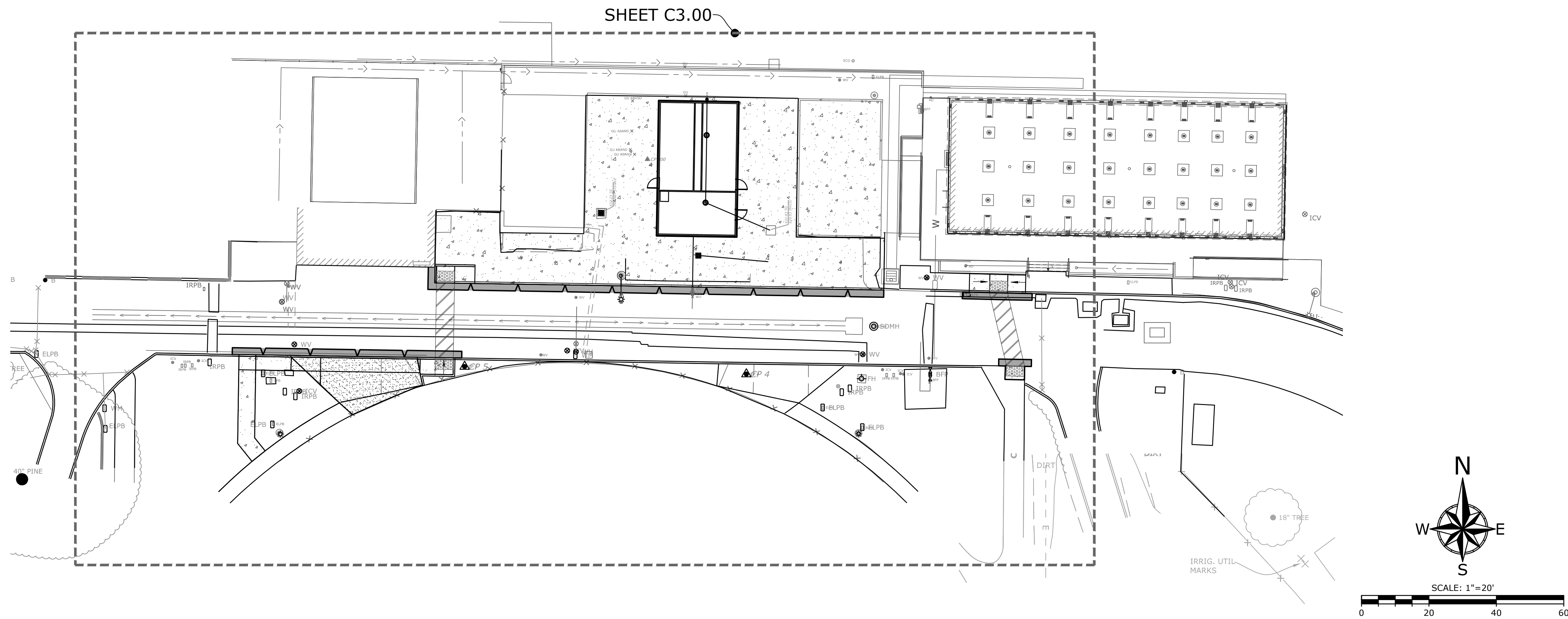
SHEET NUMBER:

G0.01

DATE: 5-14-21

SHEET: ____ OF ____

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 |

SHEET INDEX

| | |
|-------|------------------------|
| C1.00 | TITLE SHEET |
| C2.00 | DEMOLITION PLAN |
| C3.00 | GRADING & UTILITY PLAN |
| C4.00 | DETAILS SHEET |
| C5.00 | SPPWC STANDARD PLANS |
| C6.00 | SPPWC STANDARD PLANS |

SURVEY NOTES

1. 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).

3. ELEVATIONS

THE VERTICAL DATUM OF THIS SURVEY IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), PER GPS TIES & GEOID MODELING (GEOID12B) TO TOST.

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.



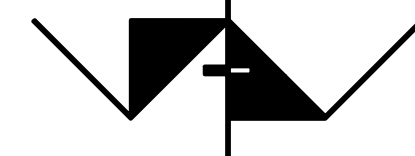
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121484 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOM
AND EQUIPMENT
STORAGE

7075 Campus Rd, Moorpark, CA
93021

COMMISSIONED ARCHITECT



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CONSULTANT



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

STAMPS/SEALS



DSA SUBMITTAL

SHEET TITLE:

TITLE SHEET

PROJECT NO.: 20-MPC-036 PROJECT ARCH: Designer

DRAWN: RMS CHECKED: GHP

SHEET NUMBER:

C1.00

DATE: JULY 13, 2021 SHEET: OF



Know what's below.
Call before you dig.

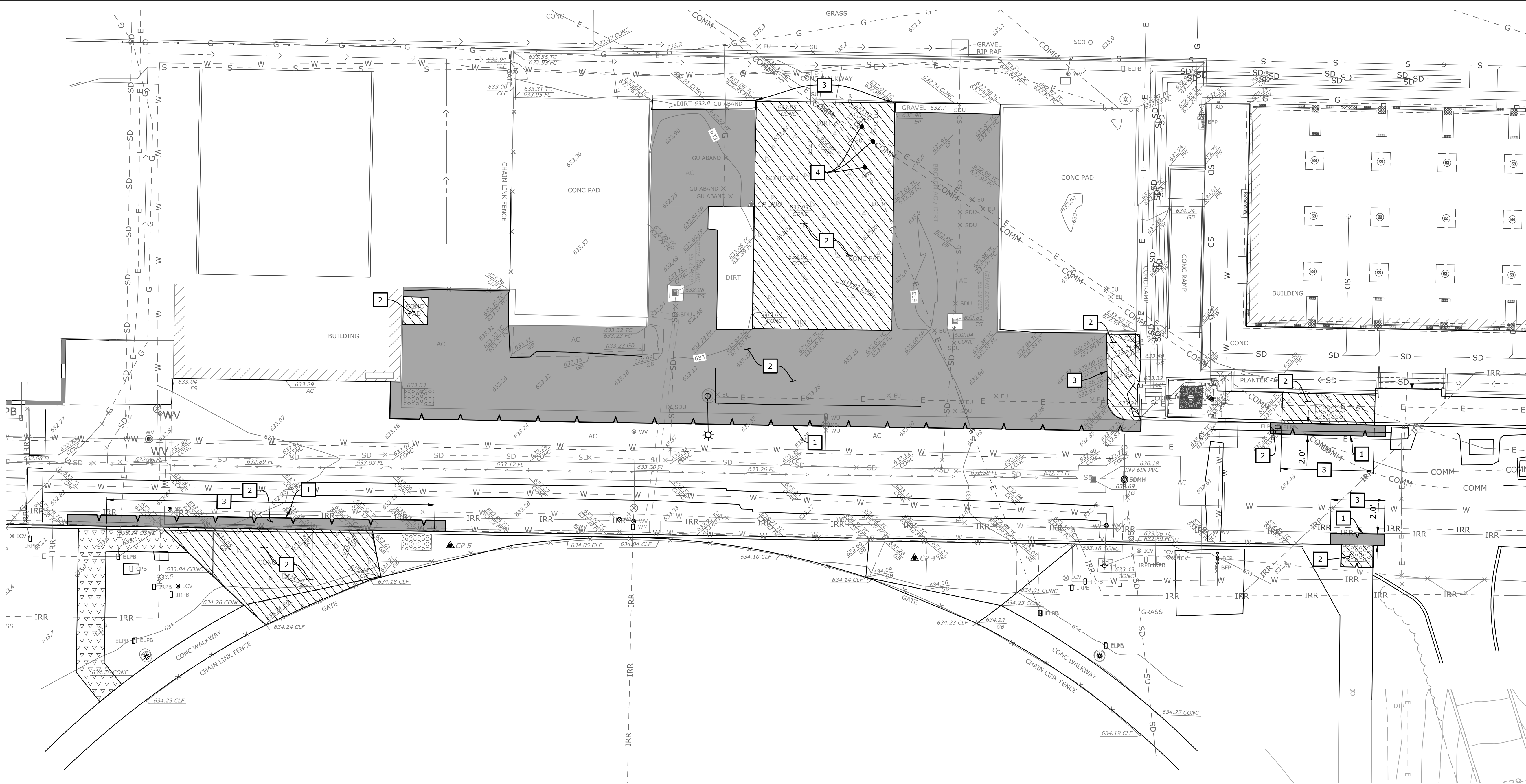
DIAL TOLL FREE

811

AT LEAST TWO DAYS
BEFORE YOU DIG

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

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



GENERAL NOTES

- ALL EXISTING UTILITIES TO BE PROTECTED IN PLACE UNLESS OTHERWISE SHOWN.
- REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL/COMMUNICATION CONDUIT DEMOLITION AND/OR RELOCATION.
- DEMOLITION SHALL BE CONDUCTED TO LIMITS SHOWN & AS REQUIRED FOR NEW WORK.
- 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

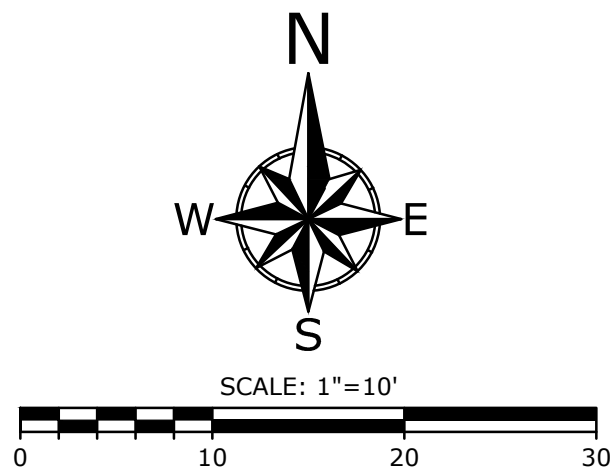
ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR THOSE SHOWN ON RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, UNDERSTANDS THAT THEY AGREE TO ASSUME LIABILITY, AND AGREE 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

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

LEGEND

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



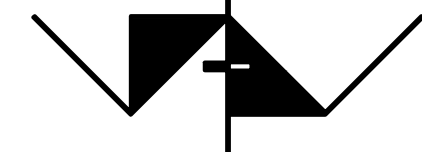
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APP: 03-121484 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/11/2021

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STADIUM RESTROOM AND EQUIPMENT STORAGE

7075 Campus Rd, Moorpark, CA
93021

COMMISSIONED ARCHITECT



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CONSULTANT

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

STAMPS/SEALS



DSA SUBMITTAL

SHEET TITLE:

DEMOLITION PLAN

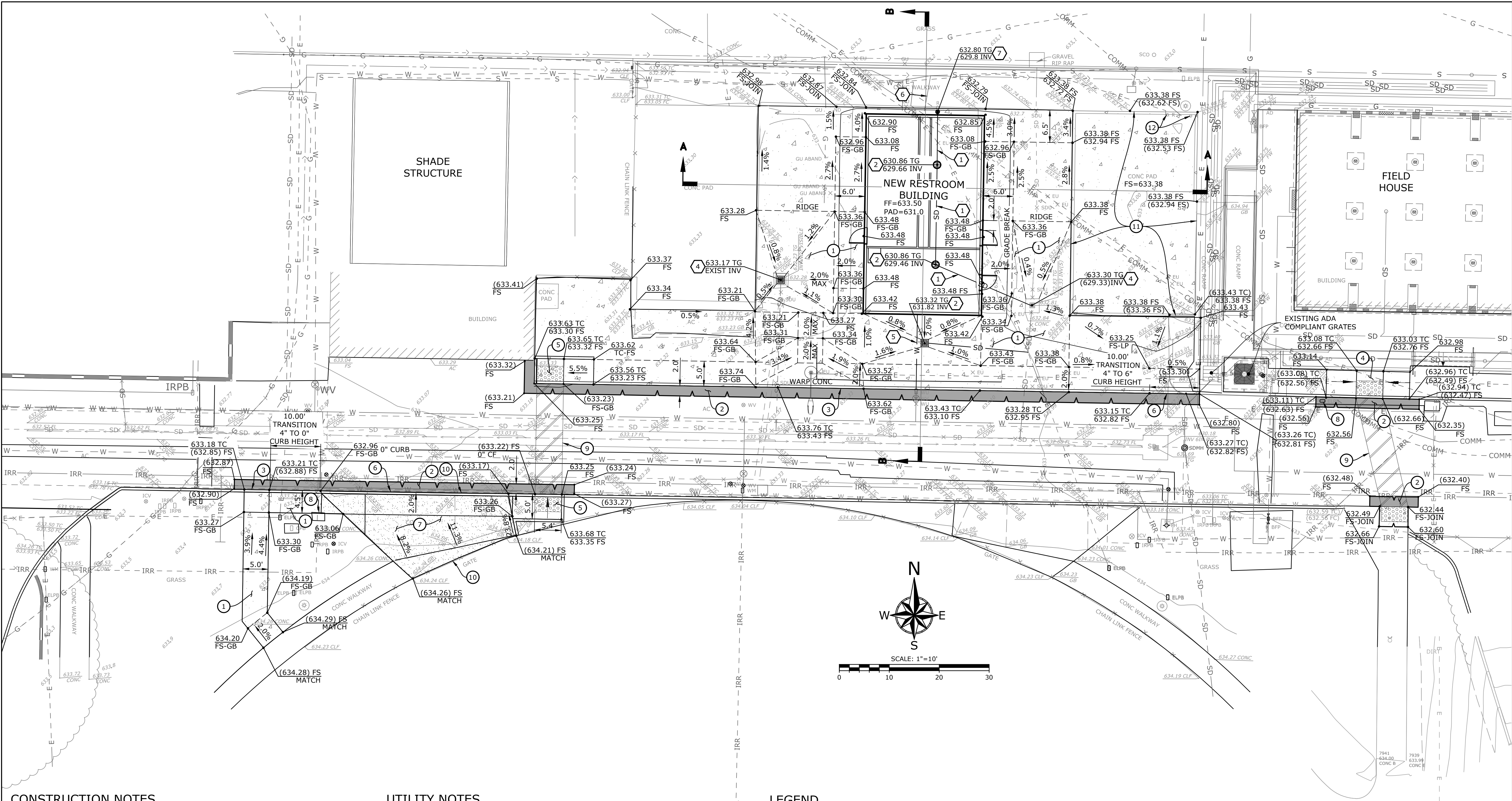
| | |
|-------------------------|------------------------|
| PROJECT NO.: 20-MPC-036 | PROJECT ARCH: Designer |
| DRAWN: RMS | CHECKED: GHP |

SHEET NUMBER:

C2.00

DATE: JULY 13, 2021 SHEET: ____ OF ____

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CONSTRUCTION NOTES

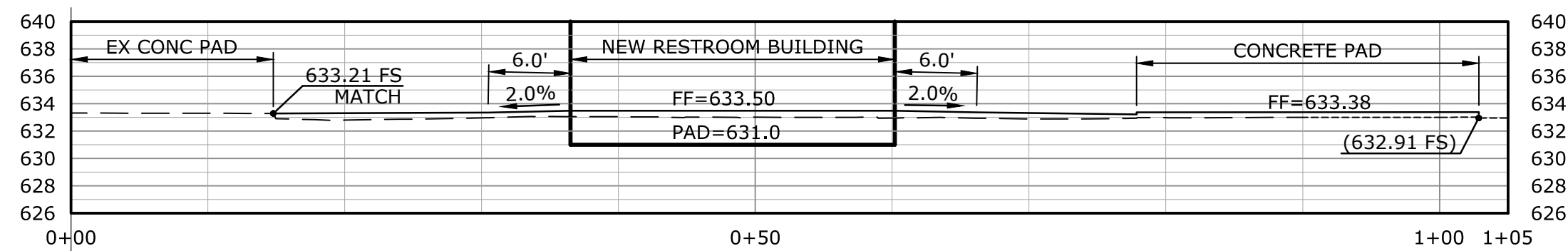
- CONSTRUCT 4" CONCRETE WALKWAY PER DETAIL "A", SHEET C4.00. CONCRETE FINISH SHALL PER SSPWC SECTION 303-5.5
- REPLACE EXISTING AC PAVEMENT TO LIMITS SHOWN. PAVEMENT SECTION REPLACEMENT PER SSPWC PLAN 133-3, SHEET C6.00, WITH 4" AC OVER 7" AGGREGATE BASE MINIMUM.
- CONSTRUCT 4" CURB PER SPPWC PLAN 120-2, TYPE A1-6, SHEET C6.00, MODIFIED TO A 4" HEIGHT.
- CONSTRUCT ADA RAMP PER SPPWC PLAN 111-5, CASE B, TYPE 1, SHEET C5.00. INSTALL DETECTABLE WARNING SURFACE PER ARMOR TILE OR APPROVED EQUAL.
- CONSTRUCT ADA RAMP PER SPPWC PLAN 111-5, CASE B, TYPE 1, SHEET C5.00. MODIFIED AS SHOWN WITH ONE RAMP. INSTALL DETECTABLE WARNING SURFACE PER ARMOR TILE OR APPROVED EQUAL.
- CONSTRUCT 0" CURB PER SPPWC PLAN 120-2, TYPE A1-6, SHEET C6.00, MODIFIED TO A 0" HEIGHT.
- CONSTRUCT 6" CONCRETE PAVEMENT PER DETAIL "E", SHEET C4.00. CONCRETE FINISH SHALL PER SSPWC SECTION 303-5.5
- ADJUST EXISTING UTILITY PULLBOX TO GRADE.
- ADA CROSSWALK STRIPING PER MUTCD OR APPROVED EQUAL WITH WHITE BORDER AND DIAGONAL STRIPING.
- CONSTRUCT CONCRETE PAVEMENT THICKENED EDGE PER DETAIL "B", SHEET C4.00.
- CONSTRUCT CONCRETE SLAB OVER EXISTING CONCRETE PAD PER DETAIL "E" MODIFIED TO 4.6" THICKNESS (MAY VARY). NEW FINISHED SURFACE TO BE AT ELEVATION 633.38. EXISTING SLAB SURFACE TO BE CLEANED PRIOR TO PLACEMENT OF NEW CONCRETE.
- EXISTING UTILITY TO BE EXTENDED TO NEW SLAB ELEVATION.

UTILITY NOTES

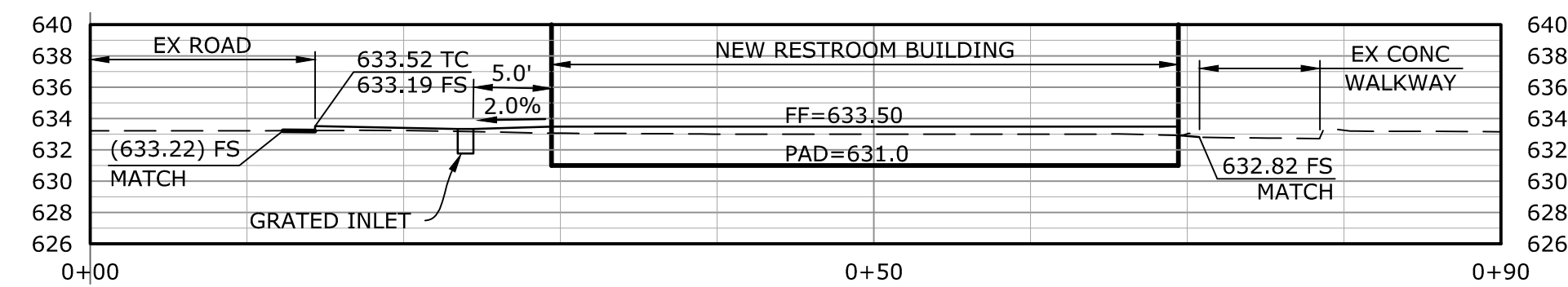
- CONSTRUCT 4" PVC STORM DRAIN.
- CONSTRUCT 8" ROUND FLOOR DRAIN INLET WITH BRONZE GRATE AND ADJUSTABLE STRAINER HEAD PER JAY R. SMITH OR APPROVED EQUAL.
- CONSTRUCT 12" SQUARE CONCRETE CATCH BASIN WITH STEEL HEEL-PROOF GRATE PER BROOKS PRODUCTS OR APPROVED EQUAL.
- EXISTING GRATED INLET TO REMAIN - ADJUSTED TO GRADE.
- CONSTRUCT 2" (SCHEDULE 80) WATER SERVICE LINE WITH 14 GA. COPPER LOCATOR WIRE TAPED TO TOP OF PIPE. PROVIDE 30" MINIMUM COVER.
- EXISTING SEWER LATERAL. CONTRACTOR TO VERIFY SIZE, LOCATION, MATERIAL AND INVERT.
- CONSTRUCT 4" ROUND FLOOR DRAIN INLET WITH BRONZE GRATE AND ADJUSTABLE STRAINER HEAD PER JAY R. SMITH OR APPROVED EQUAL.

LEGEND

- NEW ASPHALT PAVING
- NEW CONCRETE PAVING
- NEW VEHICULAR CONCRETE PAVING
- SAWCUT LINE



SECTION "A-A"



SECTION "B-B"

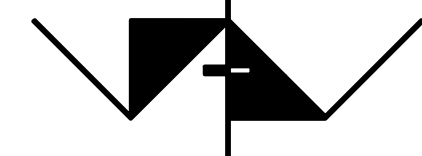
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121484 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOM AND EQUIPMENT STORAGE

7075 Campus Rd, Moorpark, CA
93021

COMMISSIONED ARCHITECT



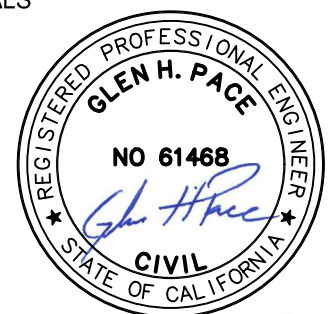
**AMADOR WHITTLE
ARCHITECTS, INC.**

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

CONSULTANT



STAMPS/SEALS



DSA SUBMITTAL

SHEET TITLE:

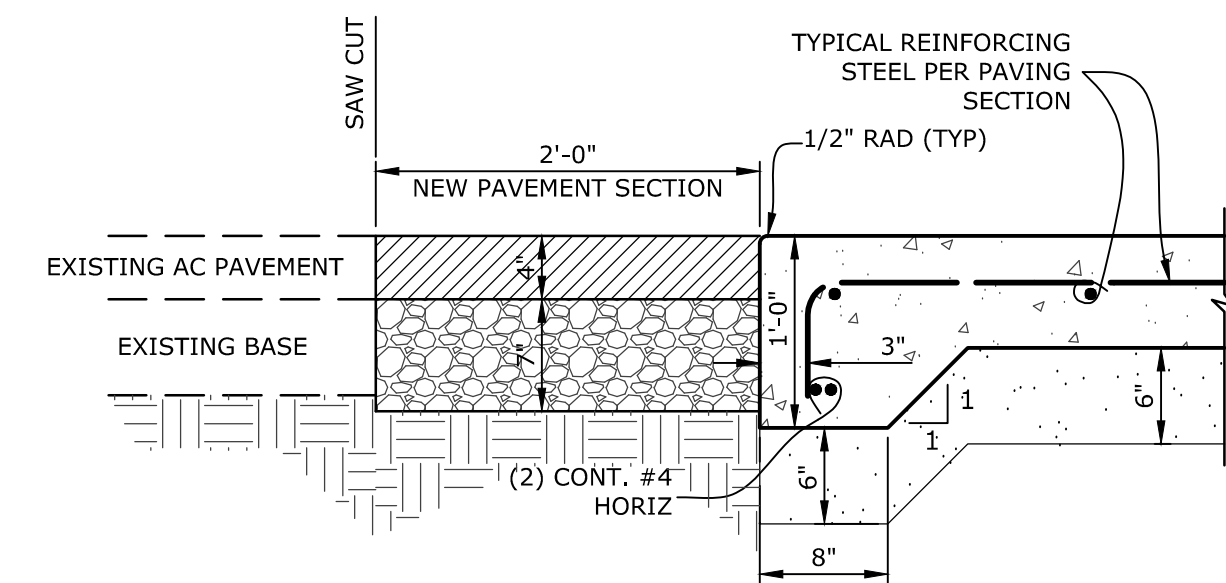
GRADING & UTILITY PLAN

PROJECT NO.: 20-MPC-036 PROJECT ARCH: Designer
DRAWN: RMS CHECKED: GHP

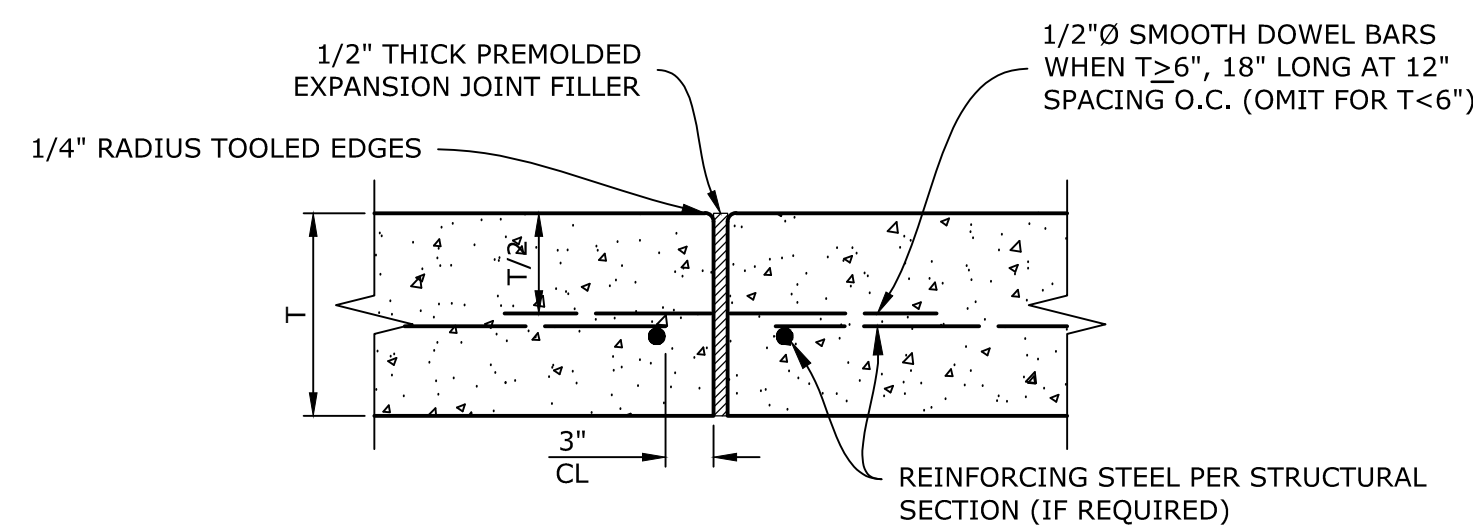
SHEET NUMBER:

C3.00

DATE: JULY 13, 2021 SHEET: OF



CONCRETE PAVEMENT THICKENED EDGE
N.T.S.



- [illegible]

- ### CONCRETE WALKWAY DETAIL

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



STADIUM RESTROOM AND EQUIPMENT STORAGE

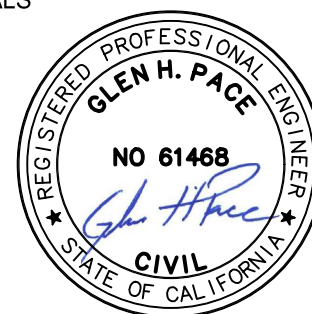
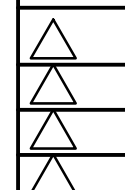
COMMISSIONED ARCHITECT



CONSULTANT



STAMPS/SEALS

**DSA SUBMITTAL**

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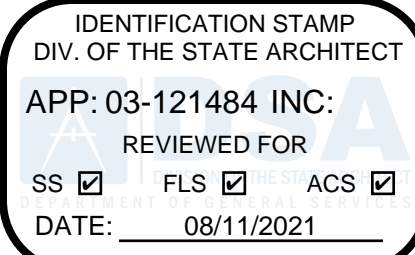
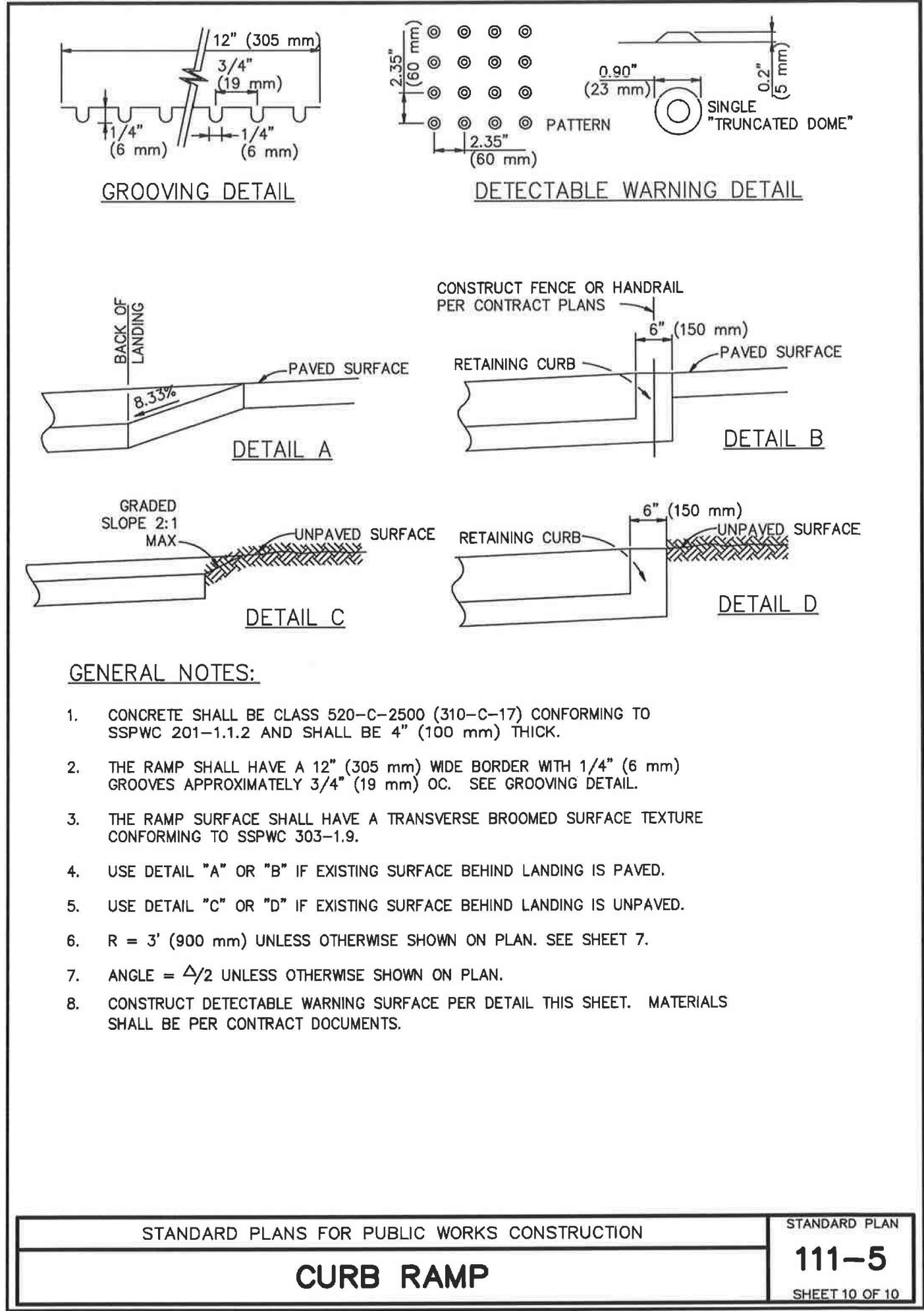
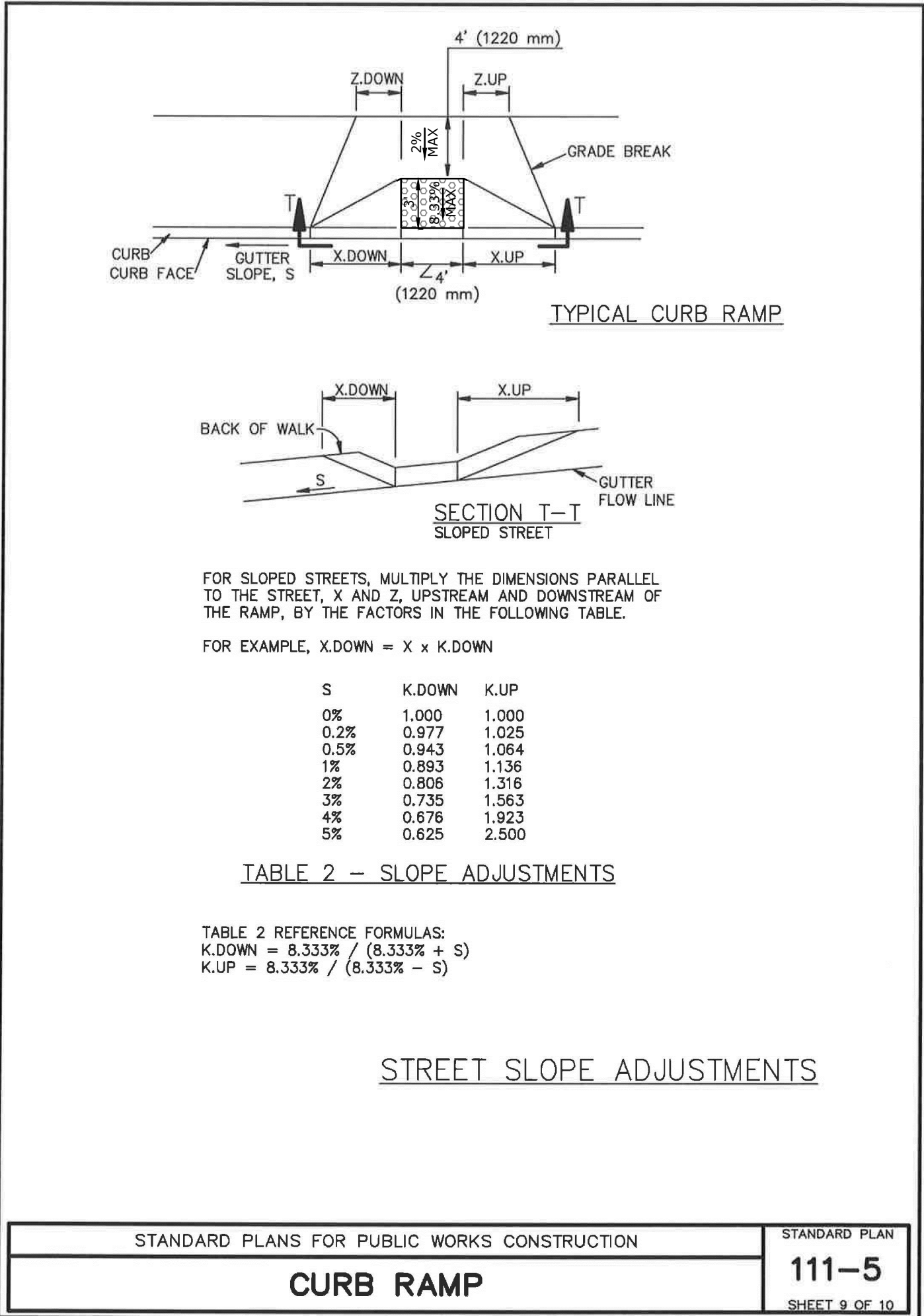
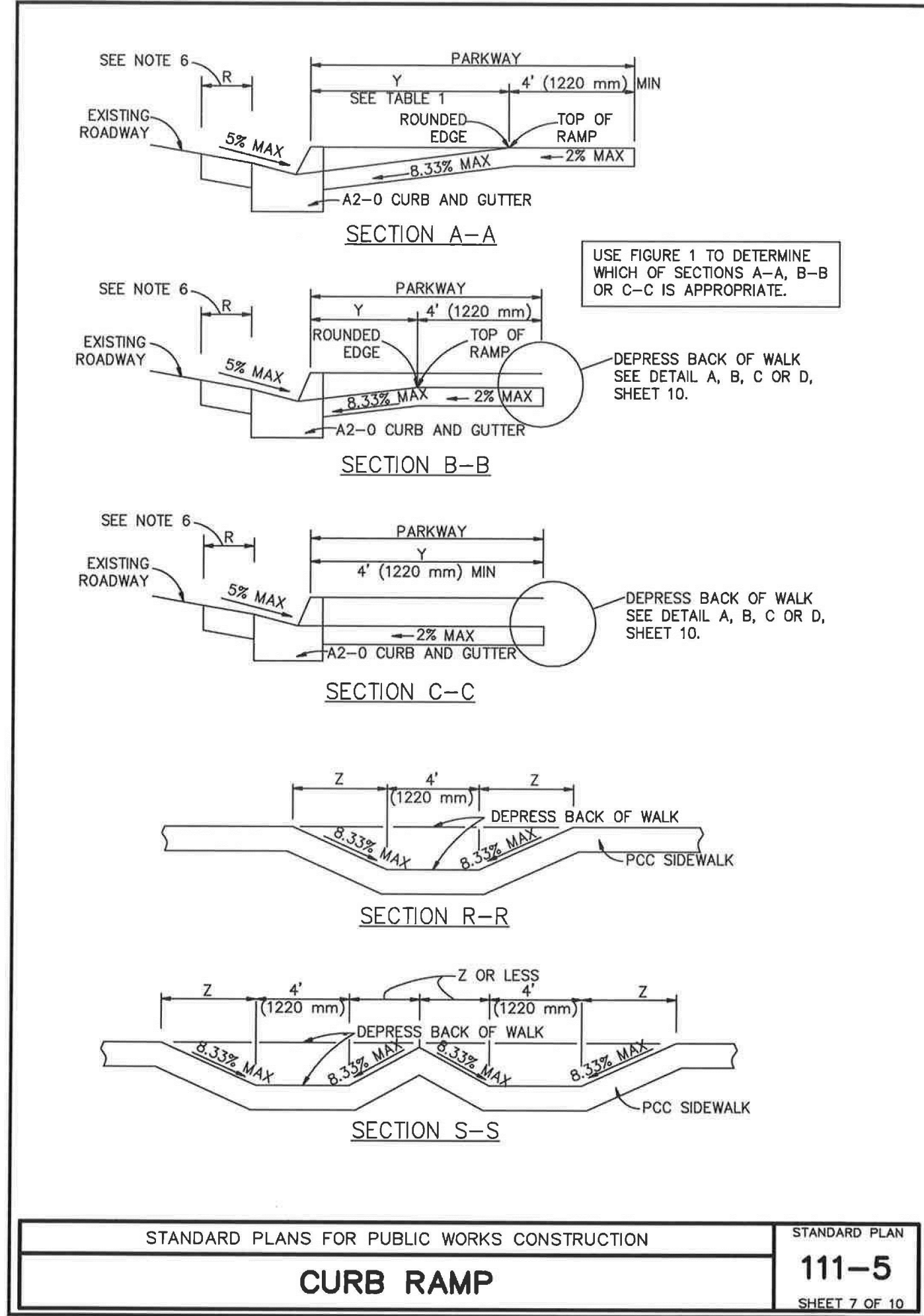
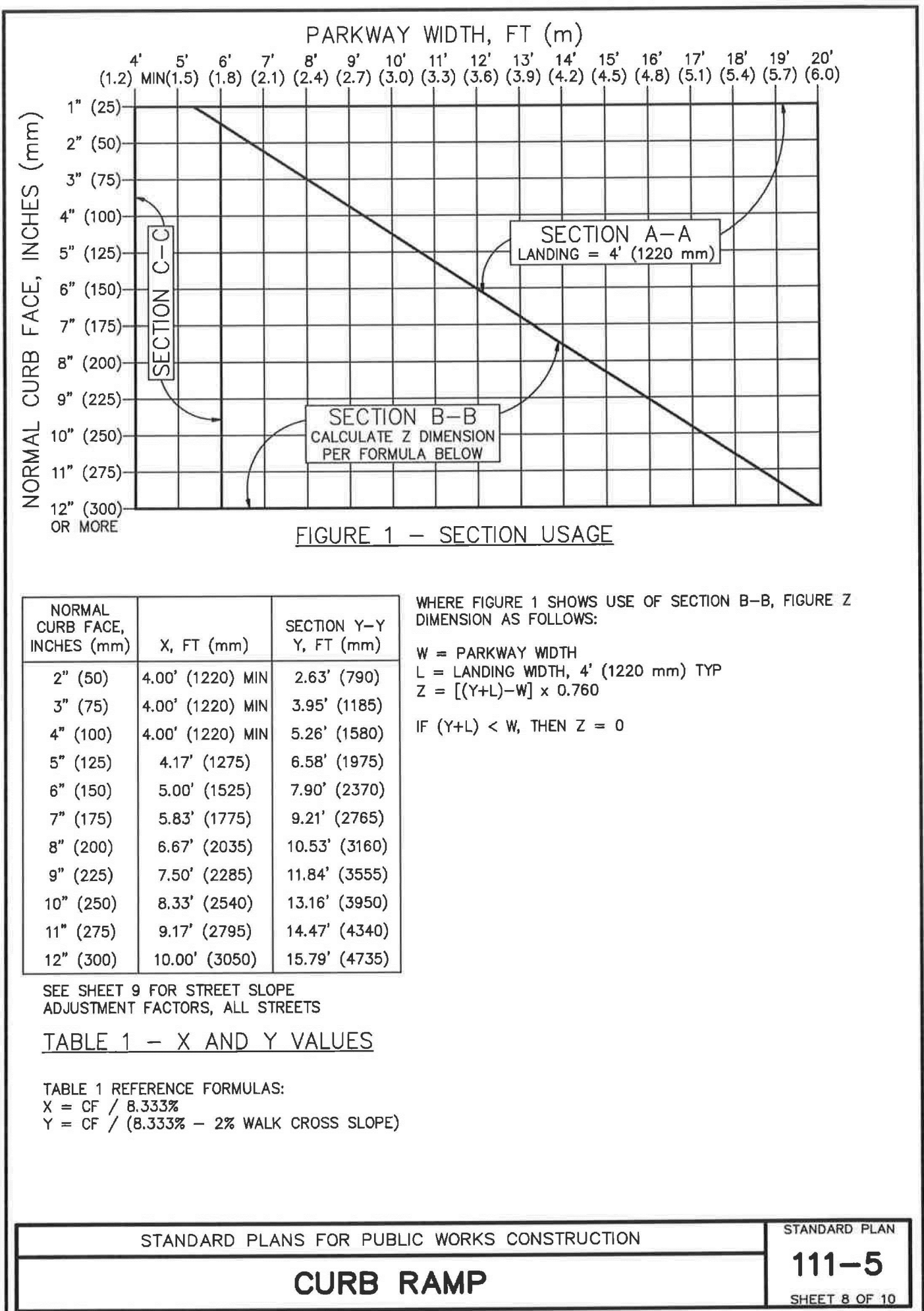
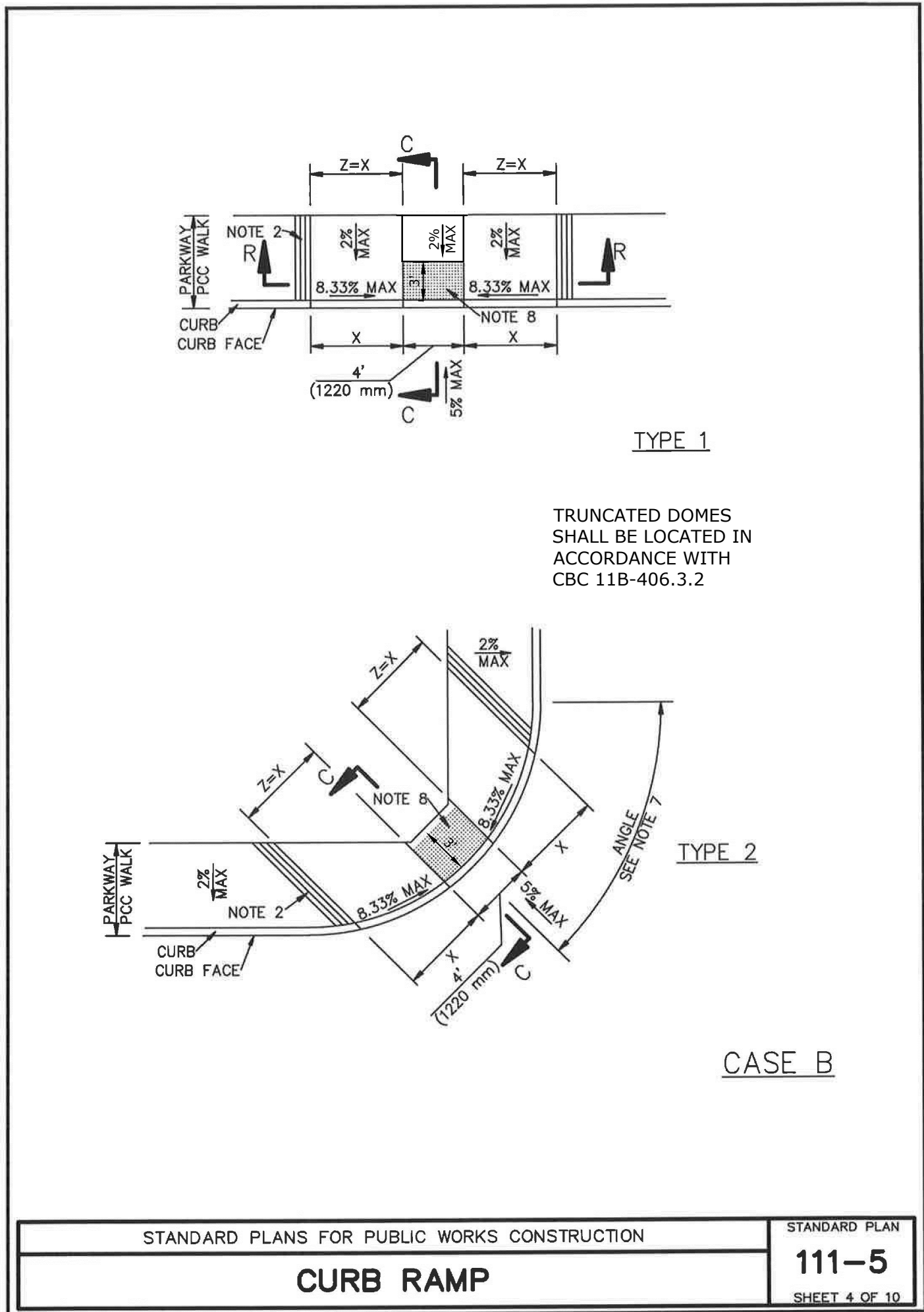
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| PROJECT NO.: | 20-MPC-036 | PROJECT ARCH: | Designer |
| DRAWN: | RMS | CHECKED: | GHP |

0400

C4.00

| | |
|--------------------|-----------|
| DATE: JULY 13 2021 | SHEET: OF |
|--------------------|-----------|

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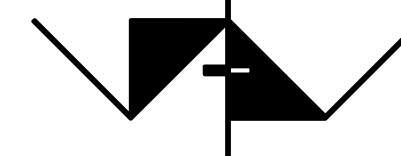


PROJECT TITLE

STADIUM RESTROOM AND EQUIPMENT STORAGE

7075 Campus Rd, Moorpark, CA 93021

COMMISSIONED ARCHITECT



AMADOR WHITTLE ARCHITECTS, INC.

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

CONSULTANT



STAMPS/SEALS



DSA SUBMITTAL

SHEET TITLE:

SPPWC STANDARD PLANS

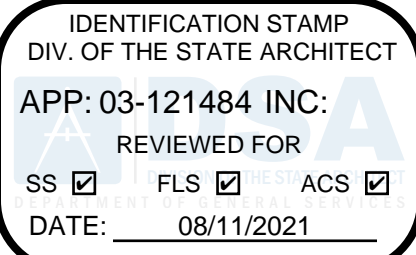
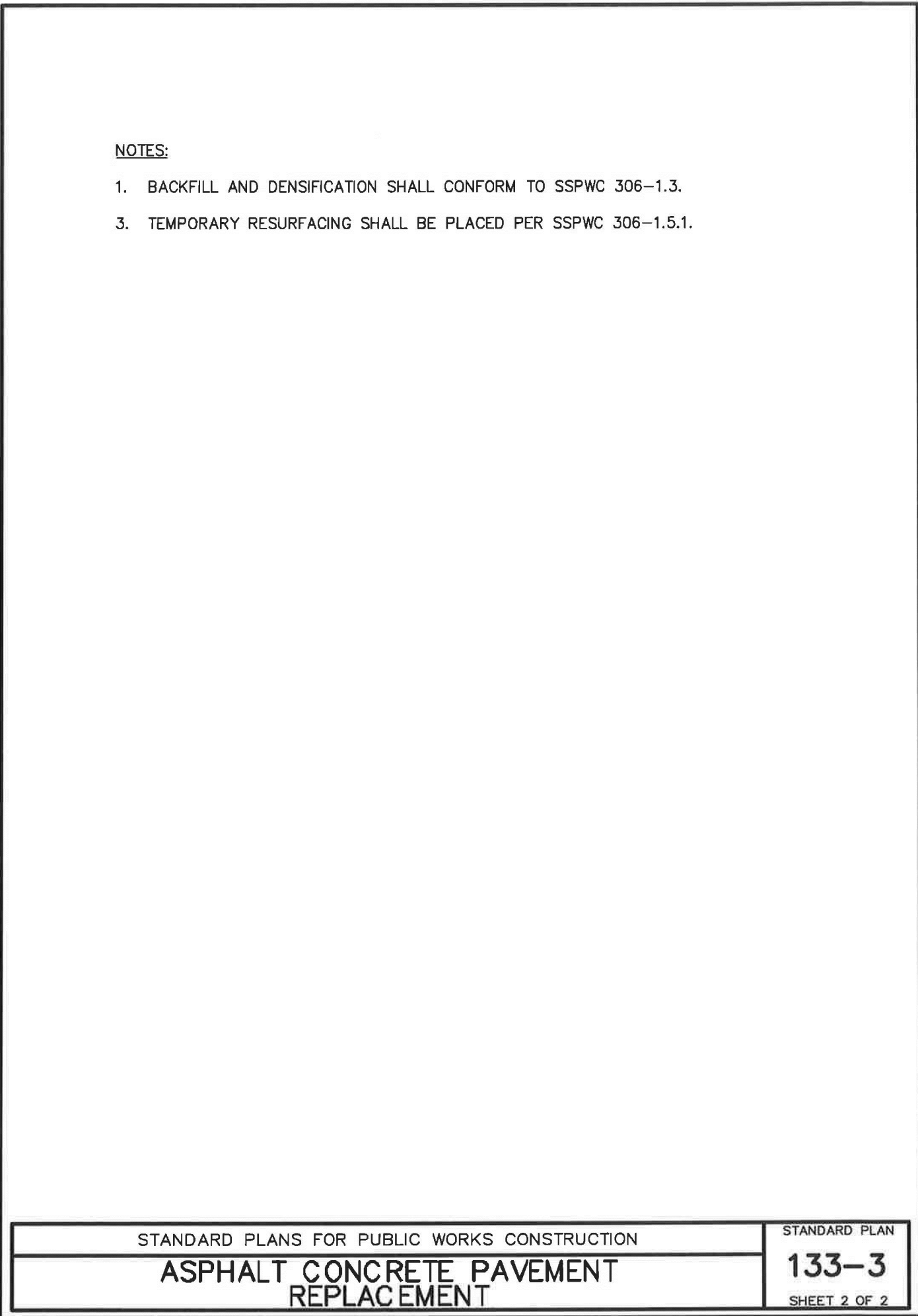
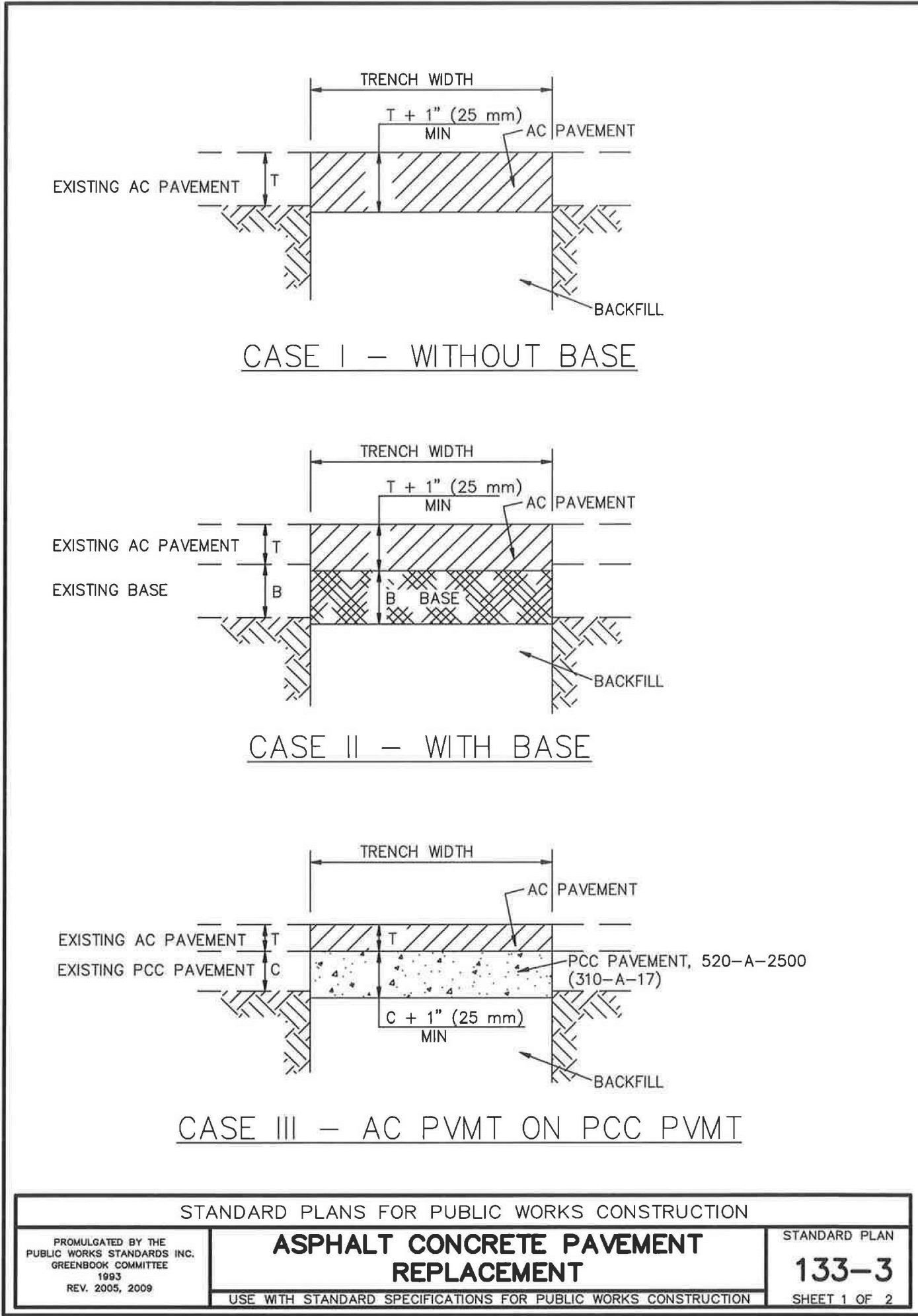
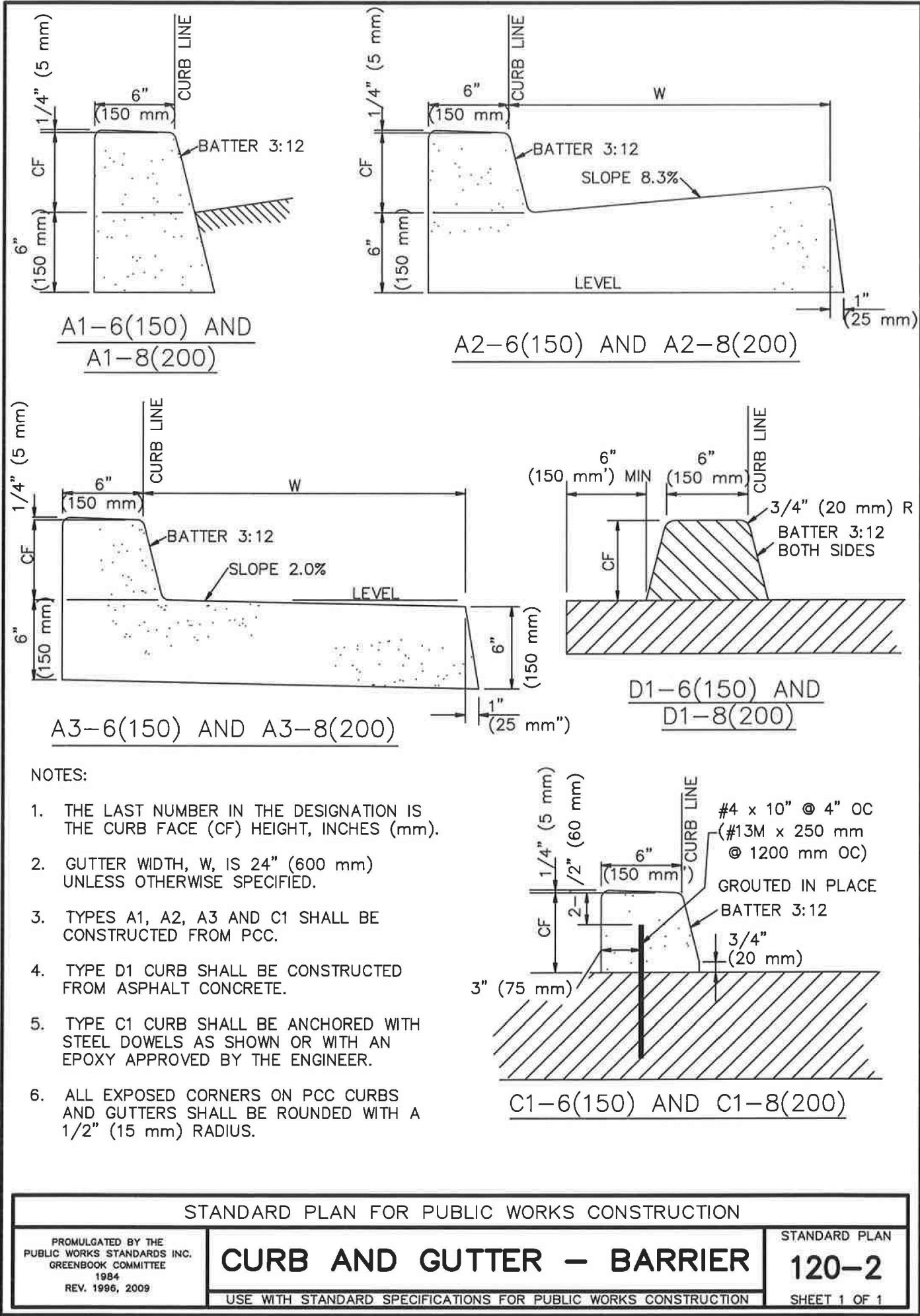
PROJECT NO.: 20-MPC-036 PROJECT ARCH: Designer
DRAWN: RMS CHECKED: GHP

SHEET NUMBER:

C5.00

DATE: JULY 13, 2021 SHEET: OF

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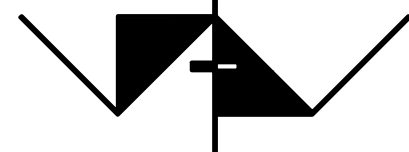


PROJECT TITLE

**STADIUM RESTROOM
AND EQUIPMENT
STORAGE**

7075 Campus Rd, Moorpark, CA
93021

COMMISSIONED ARCHITECT



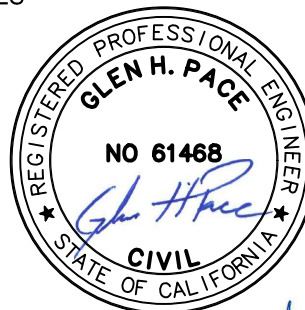
**AMADOR WHITTLE
ARCHITECTS, INC.**

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

CONSULTANT



STAMPS/SEALS



DSA SUBMITTAL



SHEET TITLE:

**SPPWC STANDARD
PLANS**

PROJECT NO.: 20-MPC-036 PROJECT ARCH: Designer
DRAWN: RMS CHECKED: GHP

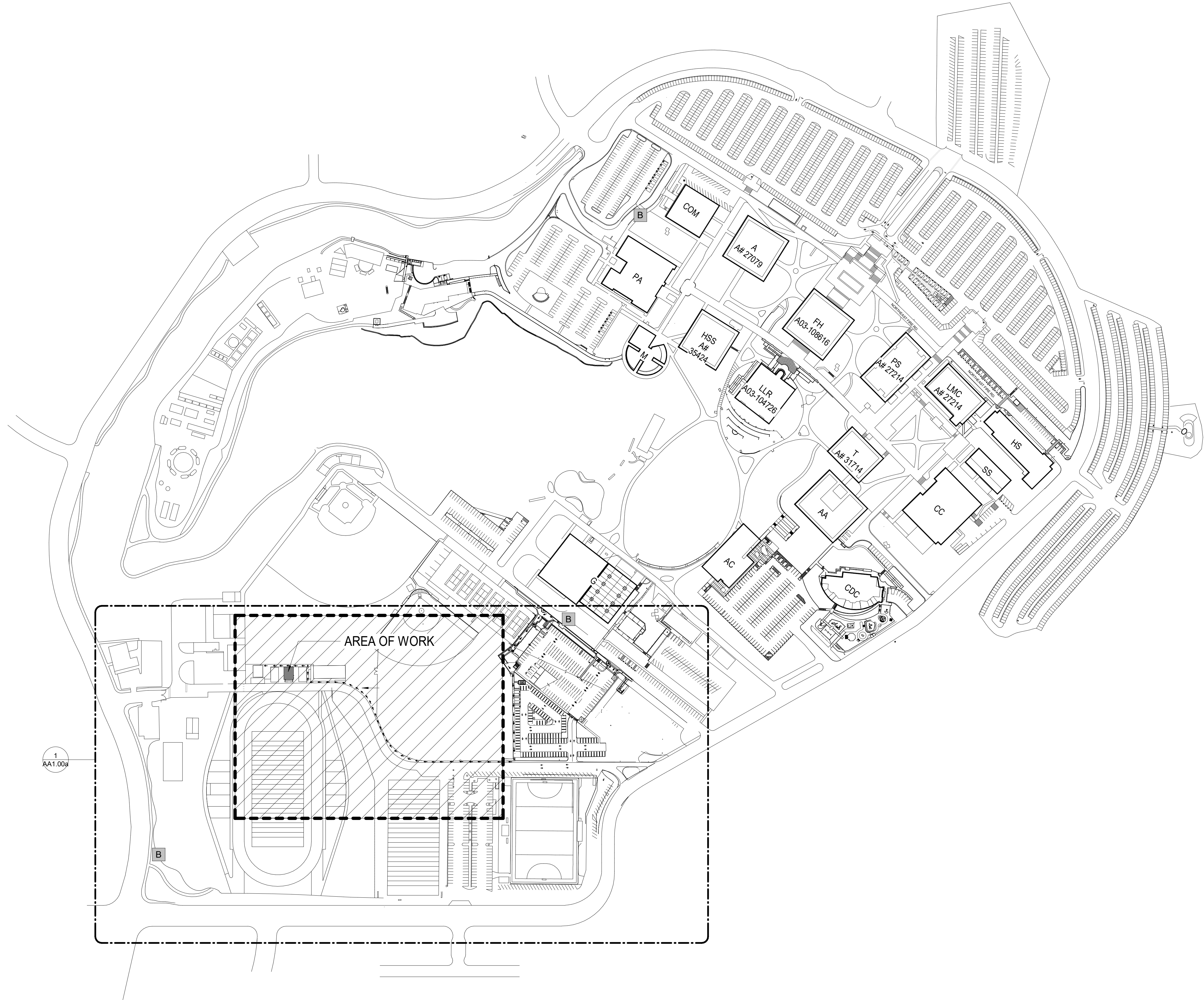
SHEET NUMBER:

C6.00

DATE: JULY 13, 2021 SHEET: OF

1 CAMPUS SITE PLAN

1" = 160'-0"



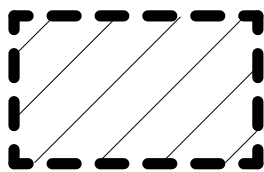
GENERAL NOTES

1. 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 (2018 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.
2. "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"
3. 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
4. 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 | A# 03-104726 |
| LMC- LIFE / MATH / COMPUTER SCIENCE | A# 27214 |
| M- MUSIC | A# 35424 |
| MO- MAINTENANCE / OPERATIONS | A# 27079 |
| O- 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

B

BUS STOP



PATH OF TRAVEL

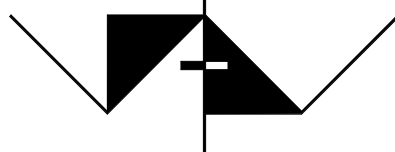
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121484 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOMS
AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA
93021

COMMISSIONED ARCHITECT



AMADOR WHITTLE
ARCHITECTS, INC.

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 TITLE:

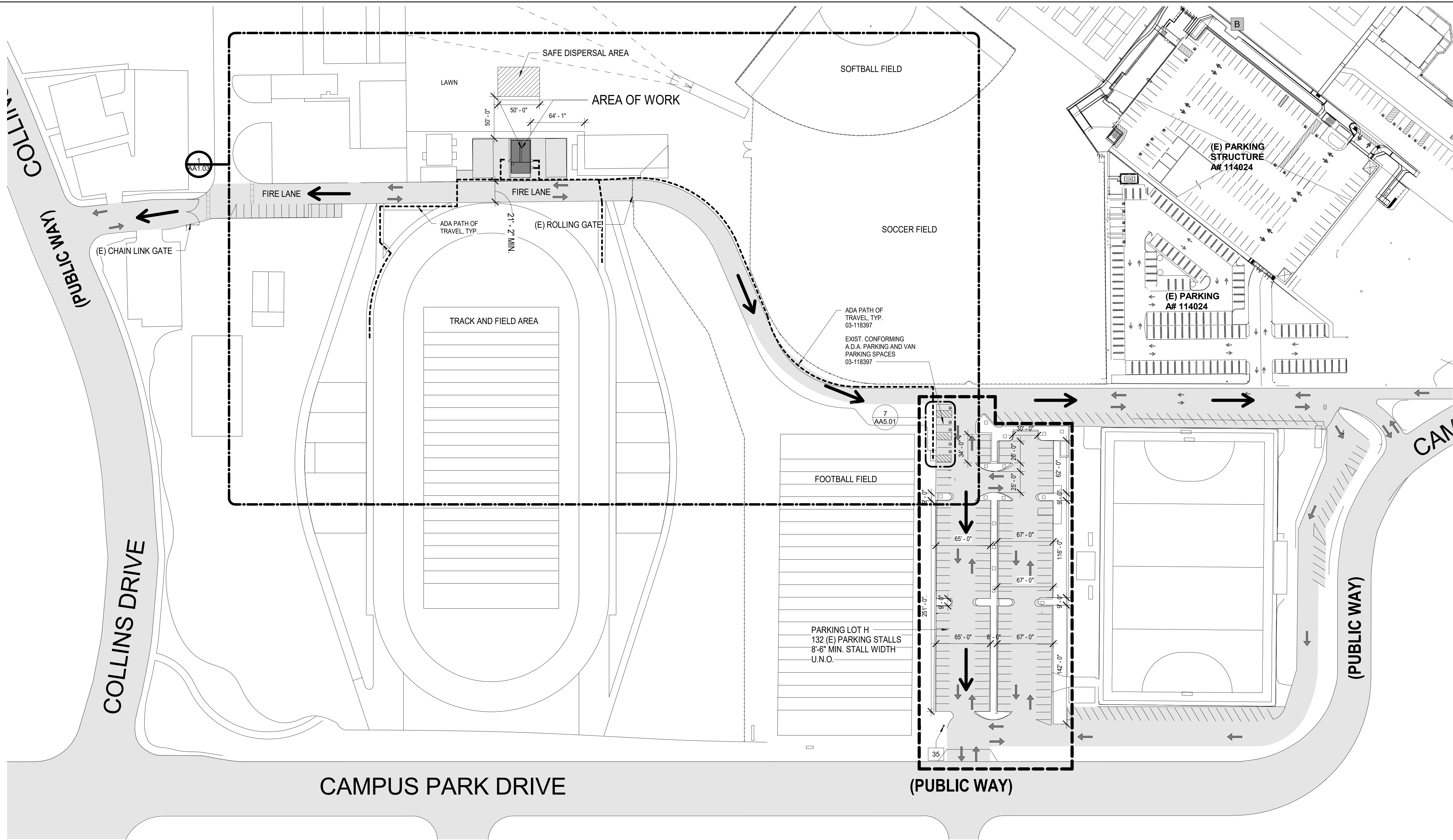
CAMPUS SITE PLAN

| | | | |
|-------------|------------|---------------|----------|
| PROJECT NO: | 20-MPC-036 | PROJECT ARCH: | Designer |
| DRAWN: | JA | CHECKED: | WJA |

SHEET NUMBER:

AA1.00

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



1 ENLARGED SITE PLAN
1" = 60'-0"

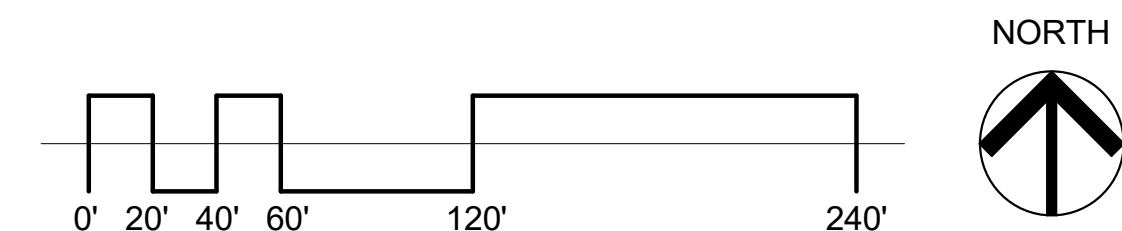
PARKING LOT H
PARKING TABULATION: TABLE NO 11B-208.2 (2016 CBC)

| PARKING AREA | TOTAL NUMBER OF PARKING SPACES IN PARKING FACILITY | MINIMUM NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES | TOTAL SPACES PROVIDED | ACCESSIBLE SPACES PROVIDED |
|--------------|--|--|-----------------------|----------------------------|
| | 1 TO 25 | 1 | | |
| | 26 TO 50 | 2 | | |
| | 51 TO 75 | 3 | | |
| | 76 TO 100 | 4 | | |
| EXISTING | 101 TO 150 | 5 | 132 | 5 |

(1 VAN)

LEGEND

- BLDG NEW BUILDINGS AND STRUCTURES
- PATH TO PUBLIC WAY
- PARKING LOT USED ON THE PROJECT
- X SIGN NUMBER, SEE SCHEDULE ON AA7.01



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

**AMADOR WHITTLE
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28328 AGOURA ROAD, SUITE 203
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CONSULTANT

STAMPS/SEALS



| DSA SUBMITTAL | | |
|---------------|---------|---------------|
| | 7-19-21 | DSA BACKCHECK |
| | 5-14-21 | DSA |
| | 4-29-21 | FIRE DEPT. |

SHEET TITLE:

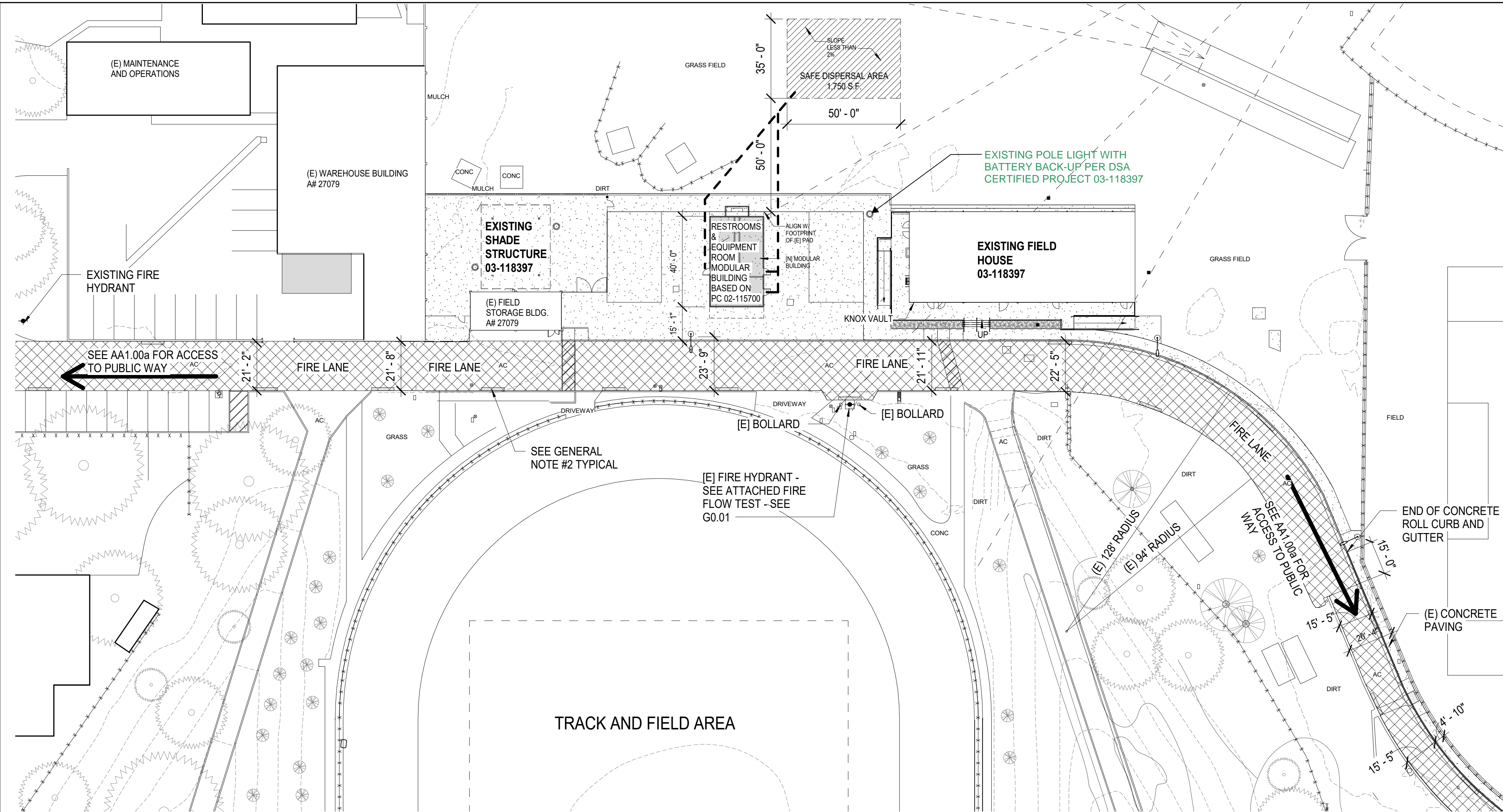
OVERALL SITE PLAN

| | | | |
|-------------|------------|---------------|----------|
| PROJECT NO: | 20-MPC-036 | PROJECT ARCH: | Designer |
| DRAWN: | JA | CHECKED: | WJA |

SHEET NUMBER:

AA1.00a

DATE: 5-14-21 SHEET: OF



1 SITE PLAN

FIRE DEPARTMENT NOTES

- PORTABLE FIRE EXTINGUISHER(S) SHALL BE PROVIDED.
- MINIMUM 2A 10B:C FIRE EXTINGUISHERS SHALL BE PROVIDED. TRAVEL DISTANCE TO ANY EXTINGUISHER SHALL NOT EXCEED 75 FEET FROM ANY PORTION OF THE BUILDING. EXTINGUISHER(S) SHALL BE HUNG NO HIGHER THAN 44 INCHES MEASURED FROM THE FLOOR TO THE TOP OF THE EXTINGUISHER. SHALL NOT CONTAIN CFCs OR HALON
- CFC 503.1; TITLE 19 DIVISION 1 § 3.05 - MAINTAIN FIRE ACCESS ROUTE(S). PUBLIC STREET ACCESS - PROVIDE SIGN(S) 'NO PARKING FIRE LANE WITH CALIFORNIA VEHICLE CODE 22500.1' AND DETAIL.
- CFC 506.1 MAINTAIN / PROVIDE KEY BOXES FOR FIRE DEPARTMENT ACCESS, AS APPROPRIATE.
- 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 TO.
- TITLE 19 DIVISION 1 § 1.14 - EVERY FIRE ALARM SYSTEM OR DEVICE, SPRINKLER SYSTEM, FIRE EXTINGUISHER, FIRE HOSE, FIRE-RESISTIVE ASSEMBLY OR ANY OTHER FIRE SAFETY ASSEMBLY, DEVICE MATERIAL OR EQUIPMENT INSTALLED AND RETAINED IN SERVICE IN ANY BUILDING OR STRUCTURE SUBJECT TO CALIFORNIA CODE OF REGULATIONS, TITLE 19 DIVISION 1 REGULATIONS SHALL BE MAINTAINED IN AN OPERABLE CONDITION AT ALL TIMES IN ACCORDANCE WITH CALIFORNIA CODE OF REGULATIONS TITLE 19 DIVISION 1 REGULATIONS AND WITH THEIR INTENDED USE.
- TITLE 19 DIVISION 1 § 3.24 UPON DISRUPTION OR DIMINISHMENT OF THE FIRE PROTECTIVE QUALITIES OF SUCH EQUIPMENT, MATERIAL OR SYSTEMS IMMEDIATE ACTION SHALL BE INSTITUTED TO EFFECT A REESTABLISHMENT OF SUCH EQUIPMENT MATERIAL OR SYSTEMS TO THEIR ORIGINAL NORMAL OPERATIONAL CONDITION.
- CFC 901.5.1 IT SHALL BE UNLAWFUL TO OCCUPY ANY PORTION OF A BUILDING OR STRUCTURE UNTIL THE REQUIRED FIRE DETECTION, ALARM AND SUPPRESSION SYSTEMS HAS BEEN TESTED AND APPROVED.
- FIRE ALARM SCOPE REQUIRES DSA APPROVED DRAWINGS FOR REFERENCE OF AREAS IN SCOPE TO INCLUDE COMPLIANT FIRE ALARM COMPONENTS (SMOKE-HEAT-AUDIBLE-VISUAL-MANUAL) . (STATEMENT OF COMPLIANCE PER CFC 901.2.1; 901.6.2.1 & INCORPORATE APPLICABLE SECTIONS PER: 2016 CALIFORNIA REGULATIONS
- CBC 3301.1 - THE PROVISIONS OF THIS CHAPTER SHALL GOVERN SAFETY DURING CONSTRUCTION AND THE PROTECTION OF ADJACENT PUBLIC PROPERTIES.
- CBC 3302.3 - FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THIS CODE AND THE APPLICABLE PROVISIONS OF CHAPTER 33 OF CALIFORNIA FIRE CODE.
- 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.
- 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'
- CFC 1031.1 - THE MEANS OF EGRESS FOR BUILDING OR PORTIONS THEREOF SHALL BE MAINTAINED IN ACCORDANCE WITH THIS SECTION.
- CFC 1031.2 - REQUIRED EXIT ACCESSSES, 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.
- CFC 1031.2.1 - SECURITY DEVICES AFFECTING MEANS OF EGRESS SHALL BE SUBJECT TO APPROVAL OF THE FIRE CODE OFFICIAL.
- CFC 1031.3 - A MEANS OF EGRESS SHALL BE FREE FROM OBSTRUCTIONS THAT WOULD PREVENT ITS USE, INCLUDING THE ACCUMULATION OF SNOW AND ICE.
- CFC 1031.4 - EXIT SIGNS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH SECTION 1013. DECORATIONS, FURNISHING, EQUIPMENT OR ADJACENT SIGNAGE THAT IMPAIRS THE VISIBILITY OF EXISTING SIGNS, CREATES CONFUSION OR PREVENTS IDENTIFICATION OF THE EXIT SHALL NOT BE ALLOWED.

GENERAL NOTES

- ALL ITEMS SHOWN ARE EXISTING UNLESS NOTED AS NEW.
- FIRE LANE ACCESS SHALL BE IDENTIFIED BY RED CURB MARKING AND ROADWAY SURFACE MARKING. SEE DETAIL 4/AA7.02 FOR ROADWAY SURFACE MARKING. RED CURB MARKING: CURB TOP AND SIDE SHALL BE PAINTED RED, AND THE WORDS, "FIRE LANE" IN WHITE, SHALL BE STENCILED ON THE TOP AND SIDE OF ALL RED CURBS AT A MAXIMUM 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 | | |

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

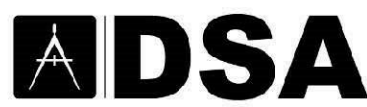
507.5.1 WHERE REQUIRED. WHERE A PORTION OF THE FACILITY OR BUILDING HEREAFTER CONSTRUCTED OR MOVED INTO OR WITHIN THE JURISDICTION IS MORE THAN 400 FEET FROM A HYDRANT ON A FIRE APPARATUS ACCESS ROAD, AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE FACILITY OR BUILDING, ON-SITE FIRE HYDRANTS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



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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*.

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

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

| CONDITION MEANS AND METHODS RESOLUTION | ALTERNATE ACCEPTED | | | |
|---|--------------------|----|-------------------------------------|-----|
| | Yes | No | N/A | N/R |
| 4. Emergency vehicle access roadways do not meet CFC requirements. | | | <input checked="" type="checkbox"/> | |
| 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. | | | <input checked="" type="checkbox"/> | |
| 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. | | | <input checked="" type="checkbox"/> | |
| 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. | | | <input checked="" type="checkbox"/> | |
| 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

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.

Accepted by: _____ Title: _____

Signature: _____ Date: _____

| 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 | |

LFA Reviewer's Signature: *Lori Ross* Date: 04/03/21

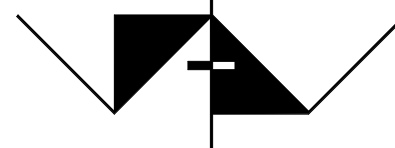
| | | |
|---|---|---|
| IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT | | |
| APP: 03-121484 INC: | | |
| SS <input checked="" type="checkbox"/> | FLS <input checked="" type="checkbox"/> | ACS <input checked="" type="checkbox"/> |
| REVIEWED FOR | | |
| DATE: 08/11/2021 | | |

PROJECT TITLE

STADIUM RESTROOMS AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA
93021

COMMISSIONED ARCHITECT



AMADOR WHITTLE
ARCHITECTS, INC.

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 TITLE:

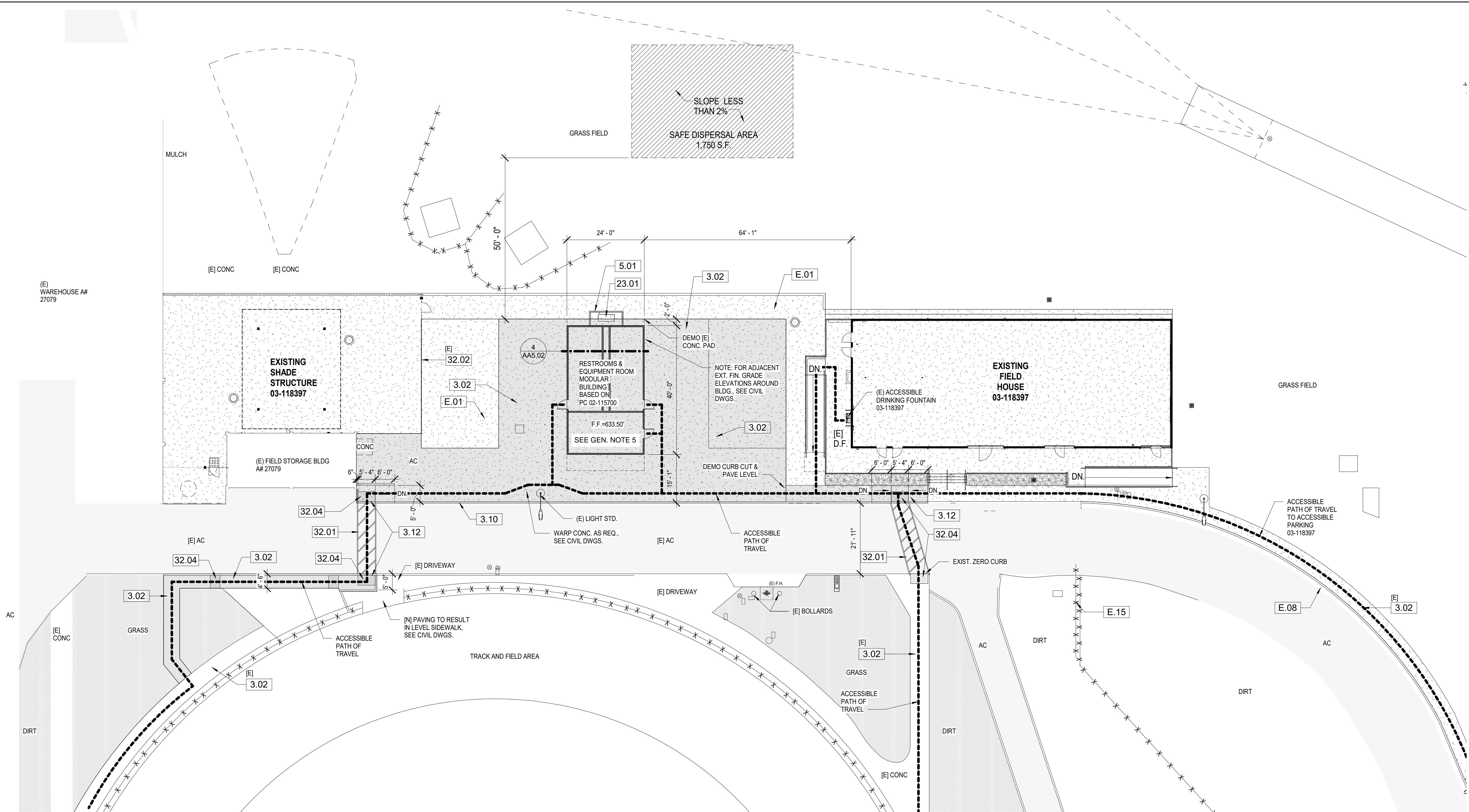
SITE PLAN - LOCAL FIRE AUTHORITY REVIEW

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

SHEET NUMBER:

AA1.02F

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



1 ENLARGED SITE PLAN

1/16" = 1'-0"

GENERAL NOTES

- GENERAL CONTRACTOR TO COORDINATE ALL SITE WORK WITH CIVIL DRAWINGS.
- RELOCATE THE POINTS OF CONNECTION OF EXISTING UTILITIES CROSSING THE AREA OF WORK AS SHOWN ON CIVIL DRAWINGS.
- REPAIR EXISTING PLANTING AREAS AFTER FINISH CONSTRUCTION.
- FINISH GRADES AROUND BUILDINGS SHALL SLOPE AWAY AT TWO (2%) PERCENT MINIMUM FOR THE FIRST FOUR (4') FEET FROM THE BUILDING.
- 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
3.10 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 DRAWINGS
32.01 PAINTED ACCESSIBLE CROSSWALK STRIPING, DOUBLE COAT WHITE BORDER AND DIAGONAL STRIPING
32.02 CHAIN LINK FENCE
32.04 DETECTABLE WARNING SURFACE - TRUNCATED DOMES, SEE 6/AA5.01

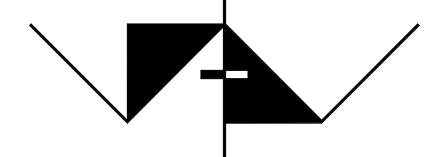
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121484 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/11/2021

PROJECT TITLE

STADIUM RESTROOMS AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA
93021

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AMADOR WHITTLE
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CONSULTANT

STAMPS/SEALS



DSA SUBMITTAL

| | |
|---------|---------------|
| 7-19-21 | DSA BACKCHECK |
| 5-14-21 | DSA |
| 4-29-21 | FIRE DEPT. |

SHEET TITLE:

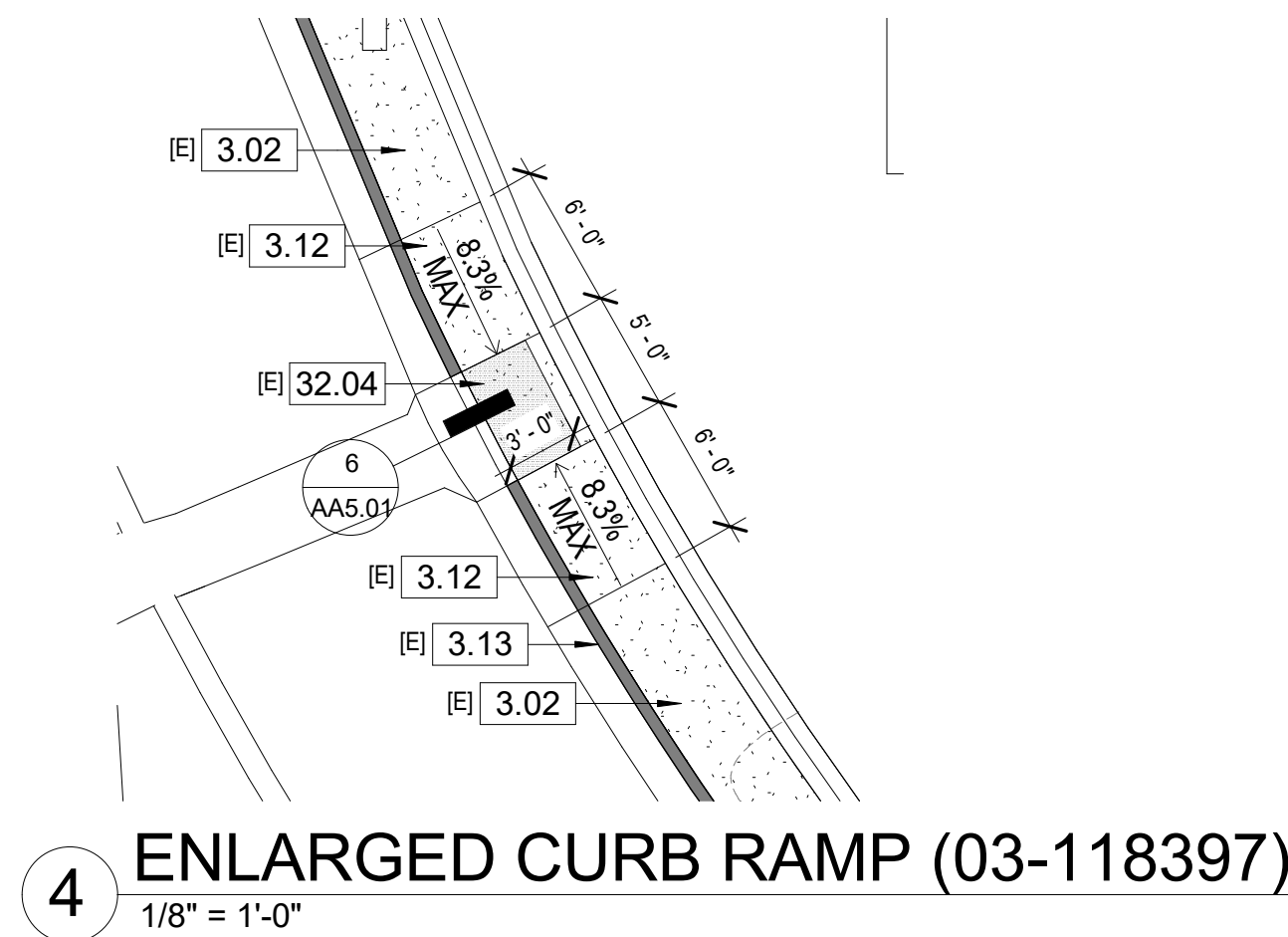
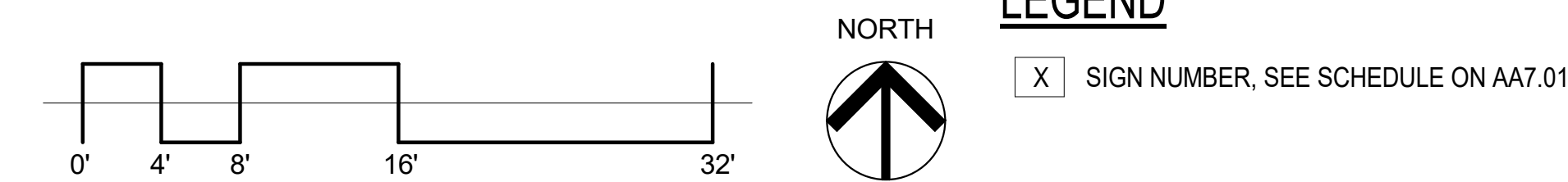
ENLARGED SITE PLAN

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

SHEET NUMBER:

AA1.03

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



| | |
|--------|----|
| SHEET: | 25 |
|--------|----|



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



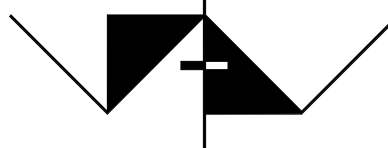
| | |
|---------------|-----------|
| DATE: 5-14-21 | SHEET: OF |
|---------------|-----------|

PROJECT TITLE

STADIUM RESTROOMS
AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA
93021

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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 TITLE:

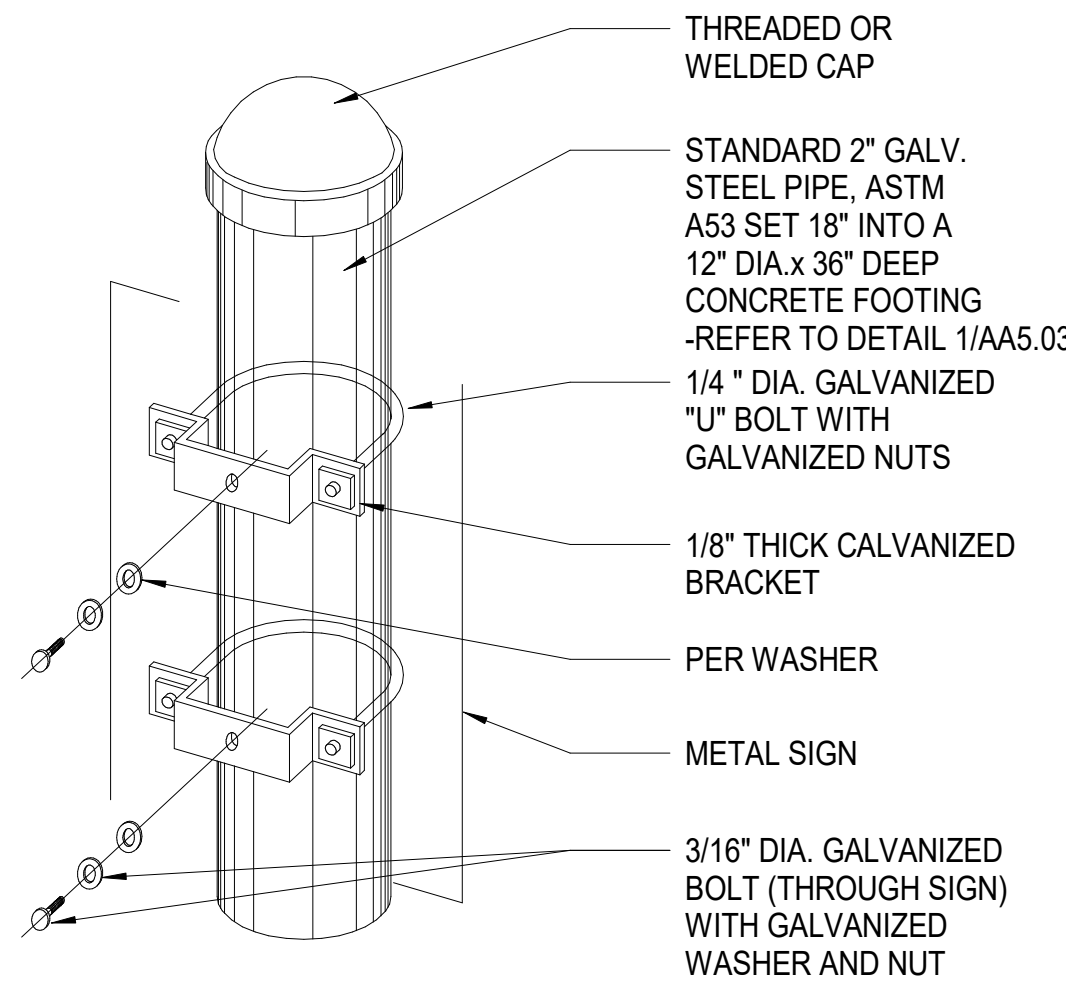
EXTERIOR & SITE
DETAILS

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

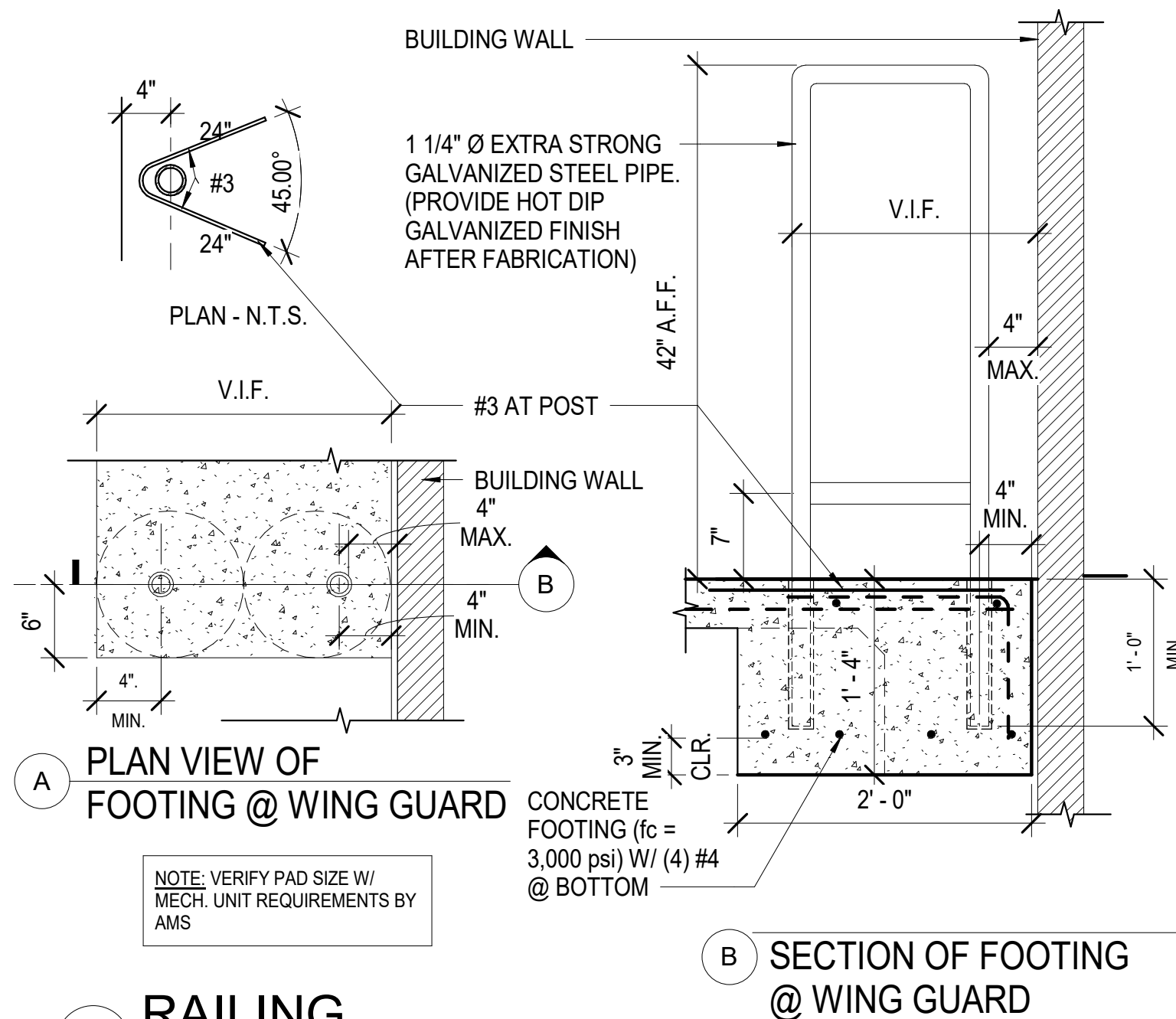
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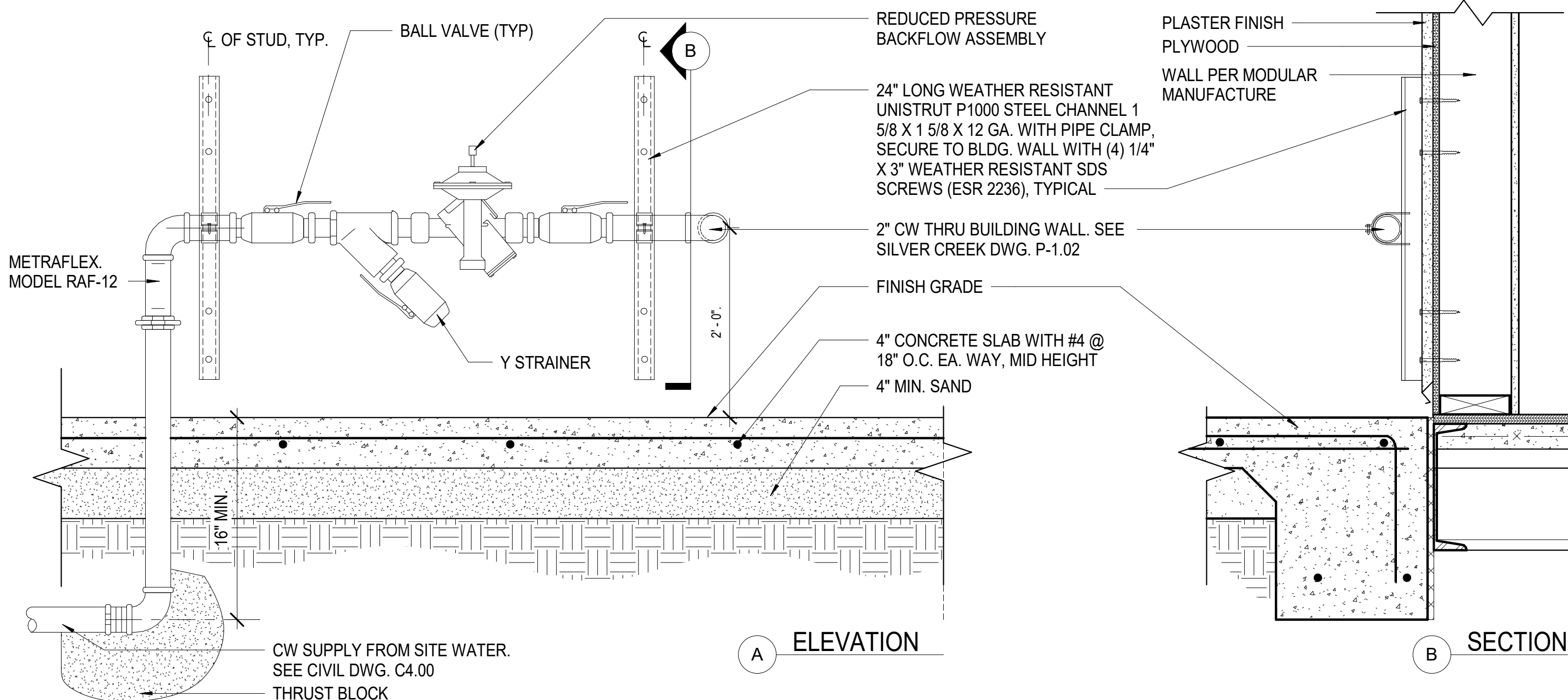
DATE: 5-14-21 SHEET: OF



1 POST MOUNT DETAIL (03-118397)
3" = 1'-0"



2 RAILING
1" = 1'-0"



3 REDUCED PRESSURE BACKFLOW PREVENTOR ASSEMBLY DETAIL
1 1/2" = 1'-0"

GENERAL NOTES

A. 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.
- PERMITS AND CHARGES**
OBTAIN AND PAY FOR ALL NECESSARY CONSTRUCTION PERMITS, INSPECTION FEES, AND OTHER CHARGES BY AGENCIES HAVING JURISDICTION.
- REGULATIONS AND CODES**
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 MANUFACTURERS RECOMMENDATIONS.
- VERIFYING EXISTING CONDITIONS**
BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE BUILDING. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER. BY THE ACT OF SUBMITTING A BID PROPOSAL FOR THE WORK, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT WILL BE CONSIDERED AS VALID, DUE TO FAILURE TO ALLOW FOR CONDITIONS WHICH MAY EXIST.
- COORDINATION**
COORDINATE ALL WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTION REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.

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

SCALING OFF OF DRAWINGS SHALL BE DONE AT CONTRACTORS RISK. DO NOT SCALE DEVICES, LIGHTING FIXTURES OR ANY EQUIPMENT FROM PLANS.

LIGHTING FIXTURE QUANTITIES AND LENGTHS SHALL BE CONTRACTORS RESPONSIBILITY. FIXTURES ARE SHOWN FOR CIRCUITING ONLY. CONTRACTOR TO VERIFY SIZES & QUANTITIES PRIOR TO BID.
- SERVICE CONTINUITY**
UNINTERRUPTED 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.
- AS-BUILT**
PROVIDE RECORD DRAWINGS IN ACAD TO THE OWNER WITH ALL CHANGES NOTED THEREON AT THE COMPLETION OF THE PROJECT. RECORD DRAWINGS SHALL BE SIGNED AND DATED BY CONTRACTOR PRIOR TO RELEASE OF FINAL RETENTION OF ALL MONIES.
- 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.
- CONTRACTOR BID**
CONTRACTOR'S BID SHALL BE BASED ON ALL WORK SHOWN ON THE PLANS AND AS SPECIFIED. IF CONTRACTOR PROPOSES TO SUBSTITUTE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST FOR CONSIDERATION OF THE OWNER AND ENGINEER PRIOR TO BID IN WRITING. ALL SUBSTITUTIONS MUST BE REVIEWED BY THE ENGINEER IN WRITING. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ANY CHARGES RESULTING FROM HIS PROPOSED SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK, THE OWNER, ENGINEER OF RECORD OR THE WORK OF OTHER CONTRACTORS.

B. MATERIAL AND INSTALLATION

ALL WORK AND MATERIAL SHALL CONFORM TO THE LATEST RULES OF THE GOVERNING ELECTRICAL CODE AND INSTALLATION SHALL BE OF THE LATEST INDUSTRY STANDARDS OF WORKMANSHIP.

ALL MATERIALS SHALL BE NEW AND LISTED FOR THE APPLICATION BY UNDERWRITERS LABORATORY (U.L.).

- CONDUITS**
CONDUIT SHALL BE EMT, PVC, IMC, RIGID OR FLEXIBLE STEEL TYPE. CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH UL-1. A GROUND WIRE IS REQUIRED IN ALL FLEXIBLE CONDUIT AND UNDERGROUND CONDUIT. BUSHINGS SHALL BE INSTALLED ON ALL 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 FEET.
- SWITCHES AND RECEPTACLES**
PROVIDE 20AMP NEMA RATED SWITCHES AND RECEPTACLES OF SPECIFICATION GRADE. ALL SWITCHES SHALL BE RATED FOR 120 AND/OR 277 VOLT AND RECEPTACLES SHALL BE NEMA 5-20R. IN ALL OFFICES AND OFFICE AREAS DEVICES SHALL BE DECORA SERIES TYPE WITH COLOR SELECTION BY CONTRACTOR/OWNERS REPRESENTATIVE.
- 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-2 CODE OR OTHER APPROVED WIRE MARKER.

IDENTIFY BRANCH CIRCUITS WITH I.D. MARKERS. THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, AT JUNCTION BOXES, AND IN OUTLETS, USE PLASTIC COATED SELF-STICKING MARKERS SUCH AS THOMAS & BETTS E-2 CODE FOR IDENTIFICATION OF CONDUCTORS.

IDENTIFY SIGNAL & COMMUNICATION CABLES AT TERMINAL AND OUTLET UNIQUELY WITH PERMANENT LABELING.
- CONDUCTORS**
DELIVER ALL CONDUCTORS TO THE JOB SITE IN ORIGINAL UNBROKEN CARTON OR REEL, PROPERLY TAGGED WITH U.L. LABEL, SIZE, TYPE, MANUFACTURER, TRADE NAME AND THE DATE OF MANUFACTURE. (MUST BE MANUFACTURED WITHIN 6 MONTHS)

PROVIDE COPPER CONDUCTORS #12 AND MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. PROVIDE STRANDED COPPER CONDUCTORS FOR ALL WIRING. USE CONDUCTORS WITH 90°C THHN/THWN 60 VOLTS INSULATION, UNLESS OTHERWISE NOTED.
- STRUCTURAL SUPPORT**
EACH SECTION OF FLOOR MOUNTED SWITCHBOARD, MCC, ETC. SHALL BE BOLTED TO THE CONCRETE HOUSEKEEPING PAD USING (6) 3/4"-10 GRADE 2 BOLTS AND CONICAL WASHERS TORQUED TO 70LB-FT. PROVIDE MINIMUM 4000 PSI STRENGTH CONCRETE BELOW ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. TIE THE TOP OF ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT TO THE BUILDING STRUCTURE IN A SEISMICALLY APPROVED MANNER.
- ELECTRICAL CERTIFICATION**
ELECTRICIANS' PERFORMANCE WORK ON THIS PROJECT SHALL BE CURRENTLY CERTIFIED IN ACCORDANCE WITH THE STATE OF CALIFORNIA AB931 AND THE DIVISION OF APPRENTICESHIP STANDARDS SECTION 3099.
- DEMOLITION**
 - 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.
 - ALL REMOVED MATERIALS AND EQUIPMENT WHICH ARE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON THE PREMISES AS DIRECTED BY OWNER, AND NEATLY PILE OR STORE THEM AND PROTECT FROM DAMAGE. REMOVE FROM PREMISES AND DISPOSE OF ALL MATERIALS CONSIDERED BY THE OWNER TO BE SCRAP.
 - 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 OUTGAGES WITH OWNERS REPRESENTATIVE.
 - DISCONNECT AND MAKE SAFE ALL ELECTRICAL SYSTEMS ON SITE AND IN WALL, FLOORS, AND CEILINGS SCHEDULED FOR REMOVAL.
 - REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
 - REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY AND RE-LABEL DEVICES AS SPARES.
 - REMOVE ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOOR, AND PATCH SURFACES.
 - 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.
 - DISCONNECT AND REMOVE ABANDONED LUMINAIRES. REMOVE BRACKETS, STEMS, HANGERS, AND OTHER ACCESSORIES.
 - REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.
 - MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.
 - BEGINNING OF DEMOLITION MEANS CONTRACTOR ACCEPTS EXISTING CONDITIONS.

D. EXECUTION

- CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE CONFINES AS MUCH AS POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK.
- EQUIPMENT, MATERIALS AND SUPPLIES REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.
- DO ALL DRILLING, CUTTING, CHANNELING AND PATCHING REQUIRED TO INSTALL ELECTRICAL WORK AS INDICATED OR HEREIN SPECIFIED. ALL HOLES, CURBS, ETC., IN FLOORS, CEILINGS AND WALLS SHALL BE PATCHED, UNLESS INDICATED OTHERWISE. PAINT ALL NEW ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTINGS PENETRATING INTO FIRE RATED ENVELOPES, SPACES, ETC.
- ALL CONDUIT RUNS SHALL BE CONCEALED, UNLESS SHOWN OTHERWISE. PROVIDE A PULL WIRE IN ALL EMPTY CONDUITS.
- EXISTING CONDITION SHOWN IS FROM AVAILABLE RECORD DRAWINGS AND VISUAL FIELD SURVEY AND SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITION AT SITE.
- ALL WORK SHOWN IS NEW UNLESS SPECIFICALLY INDICATED AS EXISTING (X). ALL ELECTRICAL EQUIPMENT MOUNTING AND ANCHORAGE MUST CONFORM WITH LOCAL AND STATE SEISMIC CODES.

E. TELEPHONE SYSTEMS

PROVIDE RACEWAYS, AND ALL MATERIAL INCLUDING PULLING CABLE IN EACH RACEWAY AS REQUIRED FOR THE TELEPHONE SYSTEM PER THE TELEPHONE REQUIREMENTS. ALL CAT 6 CABLES SHALL BE TESTED & MEET CURRENT BICSI STANDARDS, A TEST REPORT SIGNED BY A RCO SHALL BE PROVIDED WITH THE DOCUMENTATION.

F. GROUNDING & BONDING

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

G. INSTALLATION

- IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT A COMPLETE AND WORKABLE ELECTRICAL INSTALLATION BE PROVIDED FOR ALL THE EQUIPMENT DESCRIBED OR SHOWN AS BEING IN THIS CONTRACT. TOWARD THIS END FURNISH ALL LABOR AND TOOLS NECESSARY AND FURNISH AND INSTALL ALL APPARATUS, MATERIALS AND EQUIPMENT IN A FASHION COMPLYING WITH ALL APPLICABLE CODES, INCLUDING ITEMS REQUIRED BUT NOT NORMALLY SHOWN, SUCH AS LAMPS, COUPLINGS, HANGERS, BRACKETS, CLAMPS, BOXES, CONNECTORS AND HARDWARE. REFER ALSO TO WRITTEN SPECIFICATIONS FOR GENERAL, MECHANICAL AND ELECTRICAL SECTIONS.
- 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.
- 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.
- 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.
- FOR CONNECTIONS TO EXHAUST FANS, PUMPS, COMPRESSORS, SPACE HEATERS, WATER HEATERS, AQUASTATS, SOLENOID VALVES AND OTHER MECHANICAL EQUIPMENT AND FOR CONDUITS AND WIRE REQUIRED BUT NOT NECESSARILY SHOWN ON THESE DRAWINGS REFER TO MECHANICAL PLANS AND DETERMINE EXACT LOCATIONS UNDER DIRECTION OF HEATING AND VENTILATING CONTRACTOR.
- 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.
- SIZE OUTLET BOXES IN CONFORMITY WITH CODE FOR NUMBER AND GAUGE OF CONDUCTORS THEREIN. EXCEPT WHERE NOTED TO BE LARGER. MINIMUM BOX SIZE SHALL BE 4" SQUARE BY 1-1/2" DEEP.
- 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.
- 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. CONDUIT SHALL NOT BE RUN BELOW CABLE TRAYS OR LIGHT FIXTURES WITHOUT SPECIFIC APPROVAL OF THE OWNERS REPRESENTATIVE. 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 IN WRITING. ALL HANGERS AND SUPPORTS 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.
- 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.
- 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.

MCP COMPONENT ANCHORAGE NOTE

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 2019 CBC SECTIONS 1617A.1.24 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26, AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVEABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER, PERMANENTLY ATTACHED SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A 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 BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE 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 BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 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 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 THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E)

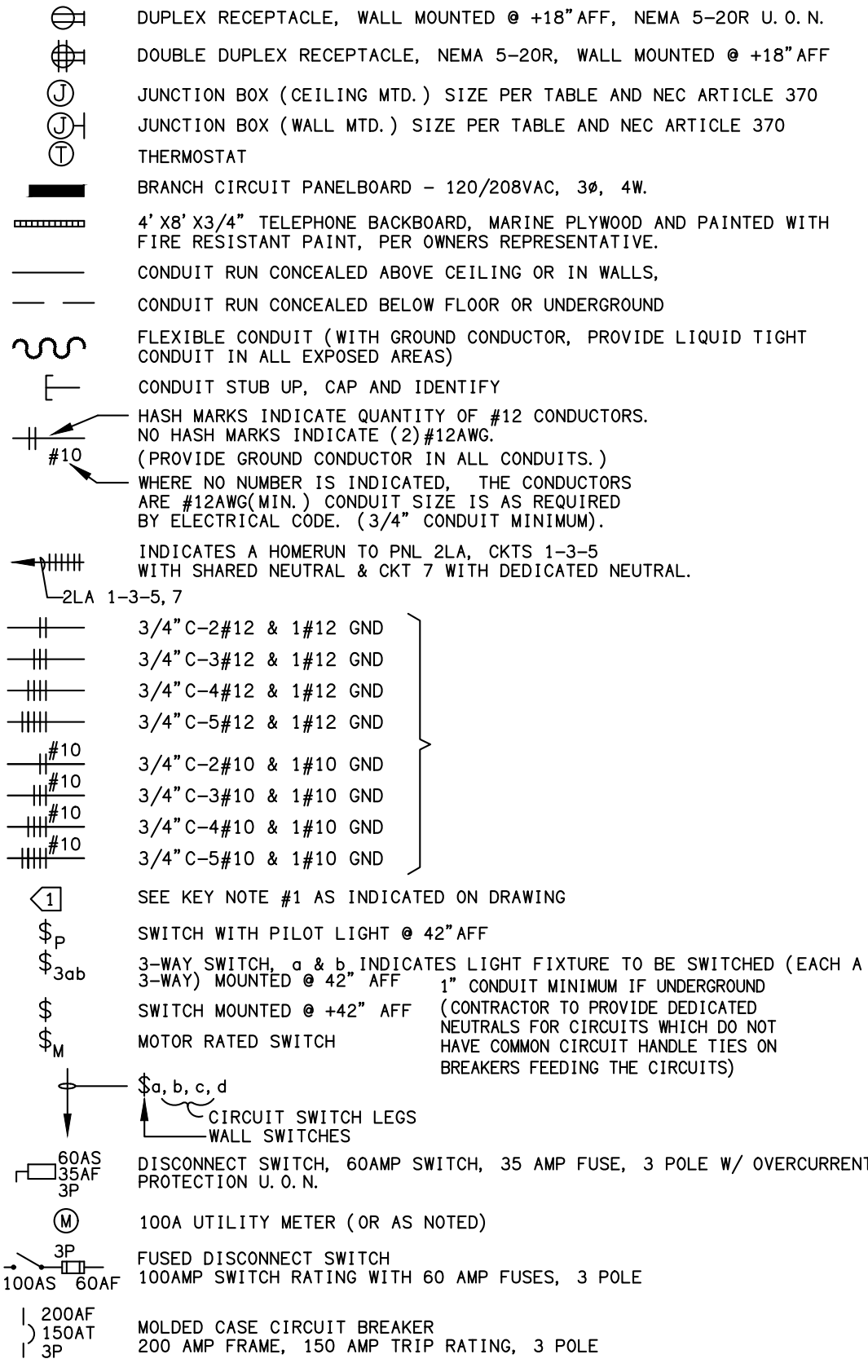
MP MD PP E OPTION 1 DETAILED ON APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM#)

H. FIRE ALARM SYSTEM

- CONTRACTOR SHALL PROVIDE AND INSTALL A FIRE ALARM SYSTEM FOR THE PROJECT AREA TO INCLUDE:
 - SMOKE AND CARBON MONOXIDE DETECTORS IN ALL REQUIRED AREAS
 - HEAT DETECTORS IN ALL REQUIRED AREAS
 - STROBES/SPEAKERS IN ALL REQUIRED AREAS
 - PULL STATIONS AT ALL LEGAL FIRE EXITS
- CONTRACTOR SHALL SUBMIT FOR THE OWNERS SIGNED APPROVAL, APPROVED FIRE DETECTOR FIRE ALARM DRAWINGS FOR THE PROJECT SPACE.
- CONTRACTOR SHALL BE SITE STANDARD, EDWARDS.
- ALL DEVICES AND EQUIPMENT SHALL BE CALIFORNIA STATE FIRE MARSHALL APPROVED AND CURRENTLY LISTED.
- CONTRACTOR SHALL WARRANTY ALL DEVICES AND SYSTEMS FOR A PERIOD OF TWO YEARS.
- 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.
- CONTRACTOR SHALL PROVIDE A SATISFACTORY SYSTEM TEST IN THE PRESENCE OF THE OWNER, FIRE PREVENTION BUREAU AND CONSULTING ENGINEER.
- CONTRACTOR SHALL PROVIDE ALL CONNECTION TO POWER PANELS, CONDUIT AND WIRE AND CONNECTIONS REQUIRED TO PROVIDE AN OPERATIONAL FIRE ALARM SYSTEM.

SYMBOLS



LIST OF DRAWINGS

| SHEET | DESCRIPTION | SHEET | DESCRIPTION |
|--------|--|-------|-------------|
| EE100 | GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST | | |
| EE110 | SITE PLAN ELECTRICAL - EXISTING CONDITION | | |
| EE120 | SITE PLAN ELECTRICAL NEW WORK | | |
| EE200 | ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULES | | |
| EE400 | POWER AND COMMUNICATIONS PLAN | | |
| EE600 | ELECTRICAL DETAILS | | |
| FA1_01 | FIRE ALARM GENERAL NOTES AND DEVICES LEGEND | | |
| FA1_02 | FIRE ALARM DETAILS AND BATTERY CALCULATIONS | | |
| FA1_03 | FIRE ALARM PLAN | | |

SCOPE OF WORK

PROVIDE NEW SITE POWER, LIGHTING & LOW VOLTAGE FOR STADIUM RESTROOMS AND CONCESSION STRUCTURE. PROVIDE F.A. DESIGN FOR NEW MODULAR. POWER & LIGHTING ARE PROVIDED BY MODULAR MANUFACTURER.

SEE MODULAR PLANS BY OTHERS FOR ADDITIONAL ELECTRICAL INFORMATION.

COLOR CODE FOR CONDUCTORS

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.

APPLICABLE CODES AND STANDARDS

| APPLICABLE CODES (WITH LOCAL AUTHORITY HAVING JURISDICTION AMENDMENTS) | |
|--|---|
| BUILDING: | 2019 CALIFORNIA BUILDING CODE |
| STRUCTURE: | 2019 CALIFORNIA BUILDING CODE |
| MECHANICAL: | 2019 CALIFORNIA MECHANICAL CODE |
| ELECTRICAL: | 2019 CALIFORNIA ELECTRICAL CODE |
| PLUMBING: | 2019 CALIFORNIA PLUMBING CODE |
| FIRE / LIFE SAFETY: | 2019 CALIFORNIA FIRE CODE (WITH LOCAL AMENDMENTS) |
| ENERGY: | 2019 STATE OF CALIFORNIA ENERGY CODE |
| | 2019 STATE OF CALIFORNIA GREEN BUILDING CODE |
| ACCESSIBILITY: | 2019 STATE OF CALIFORNIA TITLE 24 ACCESSIBILITY STANDARDS |
| SITE DATA | PER BUILDING AND LOCAL ZONING CODE UNLESS OTHERWISE NOTED |

ABBREVIATIONS

| | | | | |
|---|--|-------------------------------|--------------------------------|---|
| A AMPERES | (CJ) COPPER | IDF INTERMEDIATE DISTRIBUTION | (N) NEW | TVSS TRANSIENT VOLTAGE SURGE SUPPRESSOR |
| AF AMP FRAME/AMP FUSE | DW DRAIN | IG FRAME | NC NOT IN CONTRACT | TYP TYPICAL |
| AFB AVAILABLE FAULT CURRENT | DIS DISCONNECT | JB JUNCTION BOX | NO NORMALLY OPEN | UG UNDERGROUND |
| ARC AMP INTERRUPTING CURRENT | DWG DRAWING | K KILLO | NC NORMALLY CLOSED | UN UNDERWRITERS LABORATORY |
| ARCH ARCHITECT | EDS ELECTRICAL CONTRACTOR | KVA KILO VOLT AMPS-1000VA | OH OVERHEAD | UNSW UNLESS OTHERWISE NOTED |
| AS AMP SWITCH | EM EMERGENCY LIGHT/FEEDER | LC LIGHTING CONTRACTOR | P POWER OR POLE | UNSW UNSWITCHED |
| ASTM AMERICAN SOCIETY OF TESTING MATERIALS(S) | EHT ELECTRICAL METAL TUBING | LCL LONG CONTINUOUS LOAD | PRO PROVIDED BY OTHERS | V VOLTS/VOLTAGE |
| AT AMP TRIP | EVV ETHYLENE PROPYLENE RUBBER | M METER | PV PHOTO VOLTAGE | VD VOLTAGE DROP |
| AWG AMERICAN WIRE GAGE | EVCS ELECTRIC VEHICLE CHARGING STATION | MC METAL CLAD | RM REMOVED | W WATTS/WATTAGE |
| BKBD BACKBOARD | FS FRONT | MDF MAIN DISTRIBUTION FRAME | RGS RIGID GALVANIZED STEEL | WP WEATHERPROOF |
| CB CIRCUIT BREAKER | FT FEET | MTB MAIN TELEPHONE BACKBOARD | RM REMOVED | W WITH |
| CONT CONTINUATION | GC GENERAL CONTRACTOR | MTG MOUNTING | SPO SURGE PROTECTION DEVICE | XP EXISTING |
| CKT CIRCUIT | GFI GROUND FAULT INTERRUPTER | MTG MOUNTING | TC TIME CLOCKS | φ PHASE |
| CLG CEILING | GROUND | MH MAN HOLE | TB TELEPHONE TERMINAL BOARD | |
| CO CONDUIT ONLY | HP HORSEPOWER | MFG MANUFACTURER | TTC TELEPHONE TERMINAL CABINET | |
| CTV CABLE TELEVISION | ID IDENTIFICATION | NEC NATIONAL ELECTRICAL CODE | TR TRANSFORMER | |

JUNCTION BOX FILL

| JUNCTION BOX DIMENSION, INCHES TRADE SIZE OR TYPE | MIN. CU. IN. CAP. | MAXIMUM NUMBER OF CONDUCTORS | | | | | |
|--|----------------------|------------------------------|--------|--------|-------|-------|--|
| | | No. 14 | No. 12 | No. 10 | No. 8 | No. 6 | |
| 4 x 1-1/4" ROUND OR OCTAGONAL | 12.5 | 6 | 5 | 5 | 4 | 2 | |
| 4 x 1-1/2" ROUND OR OCTAGONAL | 15.7 | 7 | 6 | 6 | 5 | 3 | |
| 4 x 2-1/8" ROUND OR OCTAGONAL | 21.5 | 10 | 9 | 8 | 7 | 4 | |
| 4 x 1-1/4" SQUARE | 18.0 | 9 | 8 | 7 | 6 | 3 | |
| 4 x 1-1/2" SQUARE | 21.0 | 10 | 9 | 8 | 7 | 4 | |
| 4 x 2-1/8" SQUARE | 30.3 | 15 | 13 | 12 | 10 | 6 | |
| 4-1/16 x 1-1/4" SQUARE | 25.5 | 12 | 11 | 10 | 8 | 5 | |
| 4-1/16 x 1-1/2" SQUARE | 29.5 | 14 | 13 | 11 | 9 | 5 | |
| 4-1/16 x 2-1/8" SQUARE | 42.0 | 21 | 18 | 16 | 14 | 8 | |
| 3 x 2 x 1-1/2" DEVICE | 7.5 | 3 | 3 | 3 | 2 | 1 | |
| 3 x 2 x 2" DEVICE | 10.0 | 5 | 4 | 4 | 3 | 2 | |
| 3 x 2 x 2-1/4" DEVICE | 10.5 | 5 | 4 | 4 | 3 | 2 | |
| 3 x 2 x 2-1/2" DEVICE | 12.5 | 5 | 5 | 5 | 4 | 2 | |
| 3 x 2 x 3-3/4" DEVICE | 14.0 | 7 | 6 | 5 | 4 | 2 | |
| 3 x 2 x 3-1/2" DEVICE | 18.0 | 9 | 8 | 7 | 6 | 3 | |
| 4 x 2-1/8 x 1-1/2" DEVICE | 10.3 | 5 | 4 | 4 | 3 | 2 | |
| 4 x 2-1/8 x 1-7/8" DEVICE | 13.0 | 6 | 5 | 5 | 4 | 2 | |
| 4 x 2-1/8 x 2-1/8" DEVICE | 14.5 | 7 | 6 | 5 | 4 | 2 | |
| 3-3/4 x 2 x 2-1/2" MASONRY BOX / GANG | 14.0 | 7 | 6 | 5 | 4 | 2 | |
| 3-3/4 x 2 x 3-1/2" MASONRY BOX / GANG | 21.0 | 10 | 9 | 8 | 7 | 4 | |
| FS - MINIMUM INTERNAL DEPTH 1-3/4" SINGLE COVER / GANG | 13.5 | 6 | 6 | 5 | 4 | 2 | |
| FD - MINIMUM INTERNAL DEPTH 2-3/8" SINGLE COVER / GANG | 18.0 | 9 | 8 | 7 | 6 | 3 | |
| FS - MINIMUM INTERNAL DEPTH 1-3/4" MULTIPLE COVER / GANG | 18.0 | 9 | 8 | 7 | 6 | 3 | |
| FD - MINIMUM INTERNAL DEPTH 2-3/8" MULTIPLE COVER / GANG | 24.0 | 12 | 10 | 9 | 8 | 4 | |

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: | |
| NUMBER OF CURRENT-CARRYING CONDUCTORS | PERCENT OF VALUES IN TABLES AS ADJUSTED FOR AMBIENT TEMPERATURE IF NECESSARY |
| 4 THROUGH 6 | 80 |
| 7 THROUGH 9 | 70 |
| 10 THROUGH 20 | 50 |
| 21 THROUGH 30 | 45 |
| 31 THROUGH 40 | 40 |
| 41 AND ABOVE | 35 |

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 SHALL APPLY.

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

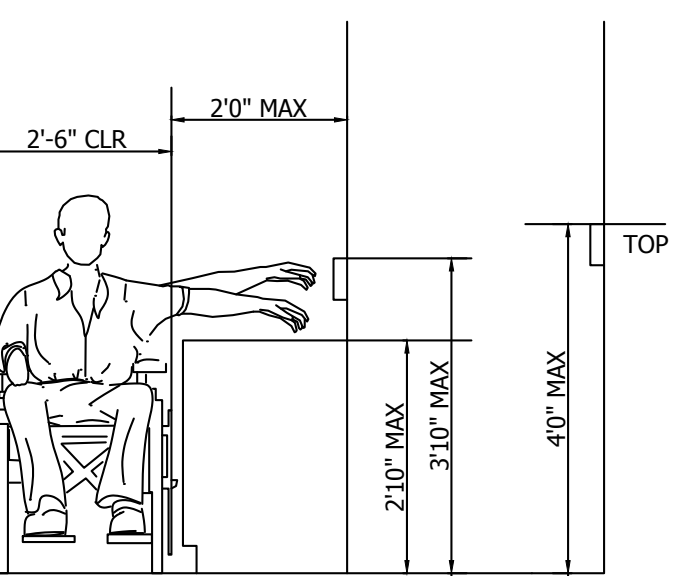
EXCEPTION NO. 4: DERATING FACTORS SHALL NOT APPLY TO UNDERGROUND CONDUCTORS ENTERING OR LEAVING AN OUTDOOR TRENCH IF THOSE CONDUCTORS HAVE PHYSICAL PROTECTION IN THE FORM OF RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, OR RIGID NONMETALLIC CONDUIT HAVING A LENGTH NOT EXCEEDING 10 FEET (3.05m) ABOVE 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 SHALL BE MAINTAINED.

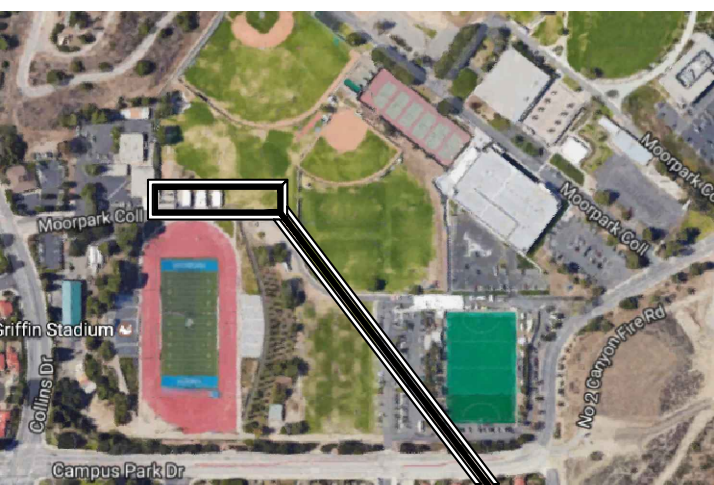
MOUNTING HEIGHT OVER OBSTRUCTION



TOP OF THERMOSTAT, SWITCH, OUTLET, CONTROL

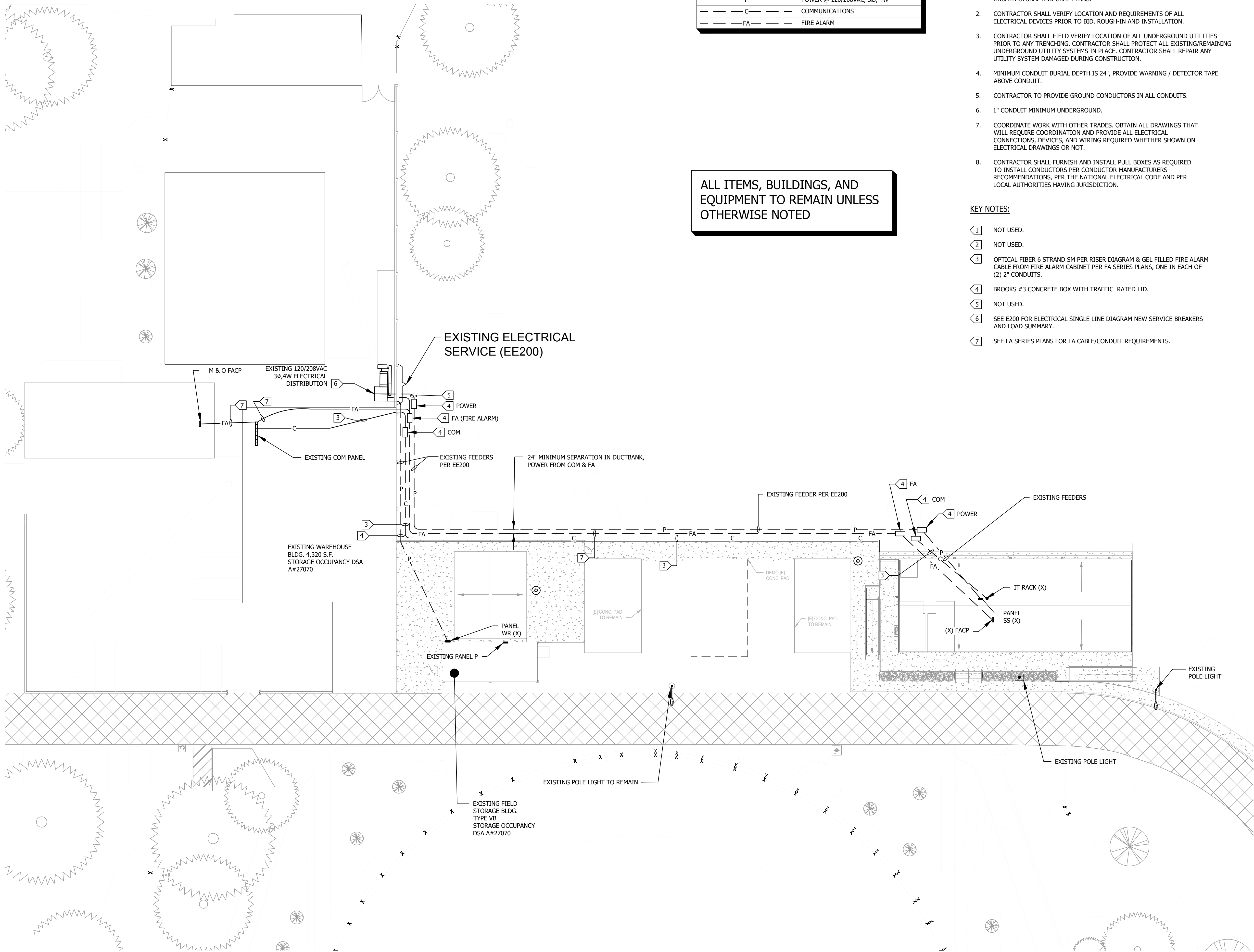
THERMOSTAT, SWITCH, OUTLET, CONTROL

SITE MAP



TIME: 3:20 pm
DATE: 15 July 2021
PATHNAME: G:\20179\EL\Sheets
DRAWING FILENAME: 20-179E110
DRAFTER: CM02

D:\20179\EL\Sheets\20-179E110.dwg
DATE: 07/15/2021
TIME: 2:28 PM
DRAFTER: CM02
CHECKER: LK/D.S.
DESIGNER: LK/D.S.
PROJECT NO.: 20-MPC-036
PROJECT ARCH: Designer
DRAWN: L.K/D.S.
CHECKED: K.L.
SHEET NUMBER: EE110
DATE: 7-15-2021
SHEET: 1 OF 1



| LEGEND | |
|--------|----------------------------|
| — P — | POWER @ 120/208VAC, 3Ø, 4W |
| — C — | COMMUNICATIONS |
| — FA — | FIRE ALARM |

ALL ITEMS, BUILDINGS, AND EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED

- SHEET NOTES:
- VERIFY LOCATION OF ALL BUILDINGS AND APPENDITURES ON ARCHITECTURAL AND CIVIL PLANS.
 - CONTRACTOR SHALL VERIFY LOCATION AND REQUIREMENTS OF ALL ELECTRICAL DEVICES PRIOR TO BID. ROUGH-IN AND INSTALLATION.
 - CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UNDERGROUND UTILITY SYSTEMS IN PLACE. CONTRACTOR SHALL REPAIR ANY UTILITY SYSTEM DAMAGED DURING CONSTRUCTION.
 - MINIMUM CONDUIT BURIAL DEPTH IS 24", PROVIDE WARNING / DETECTOR TAPE ABOVE CONDUIT.
 - CONTRACTOR TO PROVIDE GROUND CONDUCTORS IN ALL CONDUITS.
 - 1" CONDUIT MINIMUM UNDERGROUND.
 - COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
 - CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.

- KEY NOTES:
- NOT USED.
 - NOT USED.
 - OPTICAL FIBER 6 STRAND SM PER RISER DIAGRAM & GEL FILLED FIRE ALARM CABLE FROM FIRE ALARM CABINET PER FA SERIES PLANS, ONE IN EACH OF (2) 2" CONDUITS.
 - BROOKS #3 CONCRETE BOX WITH TRAFFIC RATED LID.
 - NOT USED.
 - SEE E200 FOR ELECTRICAL SINGLE LINE DIAGRAM NEW SERVICE BREAKERS AND LOAD SUMMARY.
 - SEE FA SERIES PLANS FOR FA CABLE/CONDUIT REQUIREMENTS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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
93021

COMMISSIONED ARCHITECT


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

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STAMPS/SEALS



DSA SUBMITTAL

△
△
△
△

SHEET TITLE:
SITE PLAN -
ELECTRICAL
EXISTING
CONDITIONS

PROJECT NO.: 20-MPC-036 PROJECT ARCH: Designer
DRAWN: L.K/D.S. CHECKED: K.L.

SHEET NUMBER:
EE110

DATE: 7-15-2021 SHEET: 1 OF 1

TIME: 3:20 pm
DATE: 15 July 2021
PATHNAME: G:\20179\EL\Sheets
DRAWING FILENAME: 20-179E120
DRAFTER: CM02

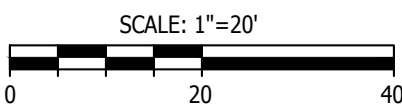
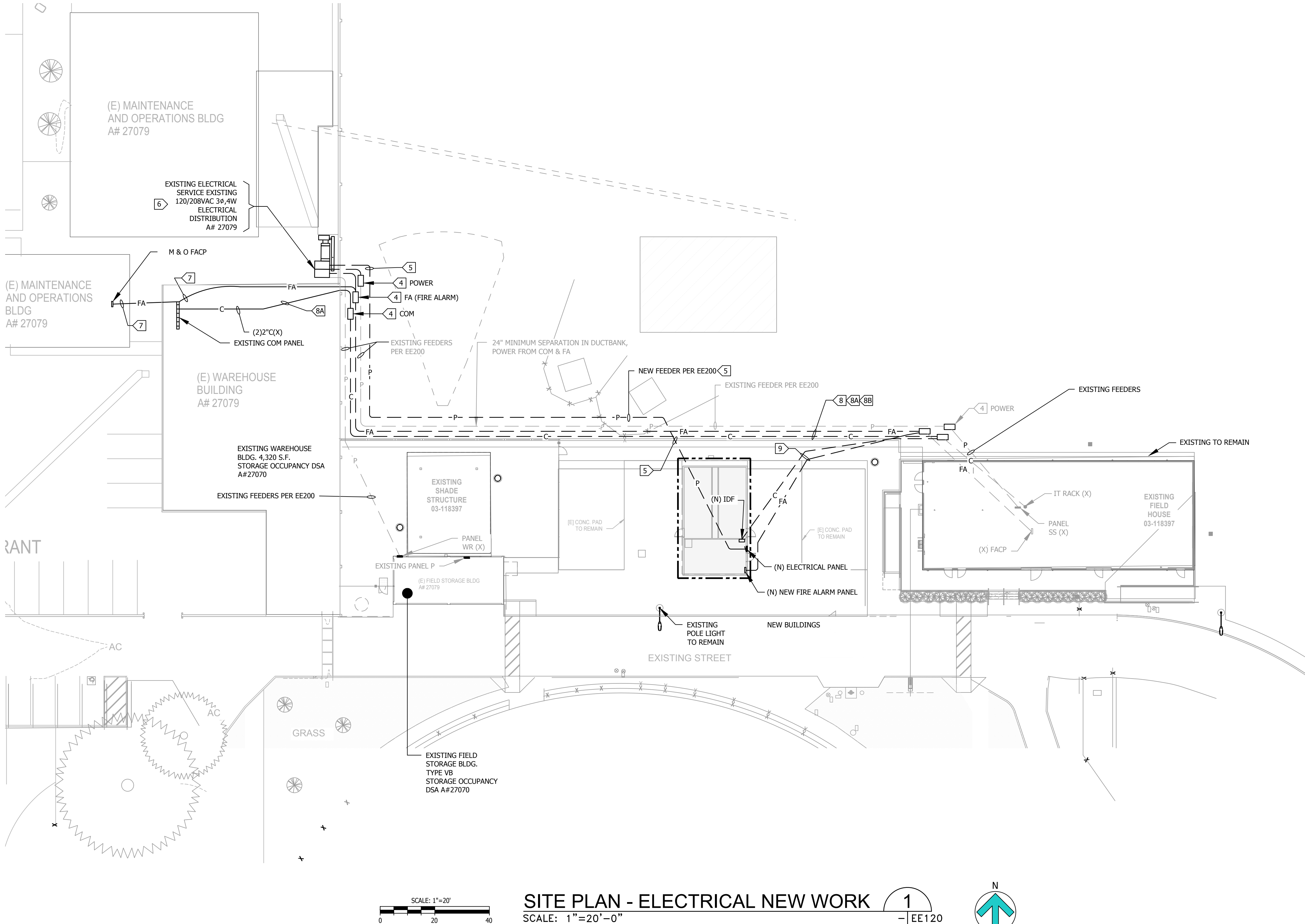
| LEGEND | |
|--------|----------------------------|
| — P — | POWER @ 120/208VAC, 3Ø, 4W |
| — C — | COMMUNICATIONS |
| — FA — | FIRE ALARM |

KEY NOTES:

- NOT USED.
- NOT USED.
- PROVIDE NEW OPTICAL FIBER 6 STRAND SM & NEW GEL FILLED FIRE ALARM CABLE FROM FIRE ALARM CABINET PER FA SERIES PLANS, ONE IN EACH OF (2) 2" CONDUITS.
- EXISTING BROOKS #3 CONCRETE BOX WITH TRAFFIC RATED LID.
- POWER FEEDER PER EE200.
- SEE EE200 FOR ELECTRICAL SINGLE LINE DIAGRAM NEW PROJECT BUILDING SERVICE BREAKER AND LOAD SUMMARY.
- SEE FA SERIES PLANS FOR FA CABLE/CONDUIT REQUIREMENTS.
- EXISTING CONDUITS (EXISTING 2" C WITH F.A. GEL FIELD CABLE & EXISTING 2" C WITH OPTICAL FIBER 6 STRAND SINGLE MODE WET LOCATION RATED).
- ADD NEW F.A. GEL FILLED F.A. CABLE FROM EXISTING M & O FACP TO NEW PROJECT BUILDING FACP. CONDUIT IS NEW 2" C FROM FIELD HOUSE BUILDING PULLBOX TO PROJECT BUILDING
- IN EXISTING 2" C INSTALL NEW 6 STRAND SINGLE MODE OPTICAL FIBER WET LOCATION RATED FROM EXISTING M & O IDF TO NEW PROJECT BUILDING IDF WITH NEW 2" CONDUIT FROM FIELD HOUSE PULLBOX TO PROJECT BUILDING NEW IDF.
- NEW CONDUITS & CABLES.

SHEET NOTES:

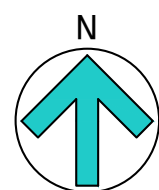
- VERIFY LOCATION OF ALL BUILDINGS AND APPENDITURES ON ARCHITECTURAL AND CIVIL PLANS.
- CONTRACTOR SHALL VERIFY LOCATION AND REQUIREMENTS OF ALL ELECTRICAL DEVICES PRIOR TO BID. ROUGH-IN AND INSTALLATION.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UNDERGROUND UTILITY SYSTEMS IN PLACE. CONTRACTOR SHALL REPAIR ANY UTILITY SYSTEM DAMAGED DURING CONSTRUCTION.
- MINIMUM CONDUIT BURIAL DEPTH IS 24", PROVIDE WARNING / DETECTOR TAPE ABOVE CONDUIT.
- CONTRACTOR TO PROVIDE GROUND CONDUCTORS IN ALL CONDUITS.
- 1" CONDUIT MINIMUM UNDERGROUND.
- COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
- CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.



SITE PLAN - ELECTRICAL NEW WORK

SCALE: 1"=20'-0"

1
- EE120



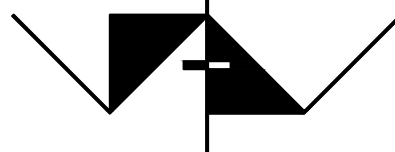
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121484 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/11/2021

PROJECT TITLE

STADIUM
RESTROOM AND
EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA
93021

COMMISSIONED ARCHITECT



AMADOR WHITTLE
ARCHITECTS, INC.

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

CONSULTANT

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS

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

(805) 389-6520

FAX (805) 389-6519

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STAMPS/SEALS



DSA SUBMITTAL

SHEET TITLE:

SITE PLAN -
ELECTRICAL NEW
WORK

PROJECT NO.: 20-MPC-036 PROJECT ARCH: Designer
DRAWN: L.K/D.S. CHECKED: K.L.

SHEET NUMBER:

EE120

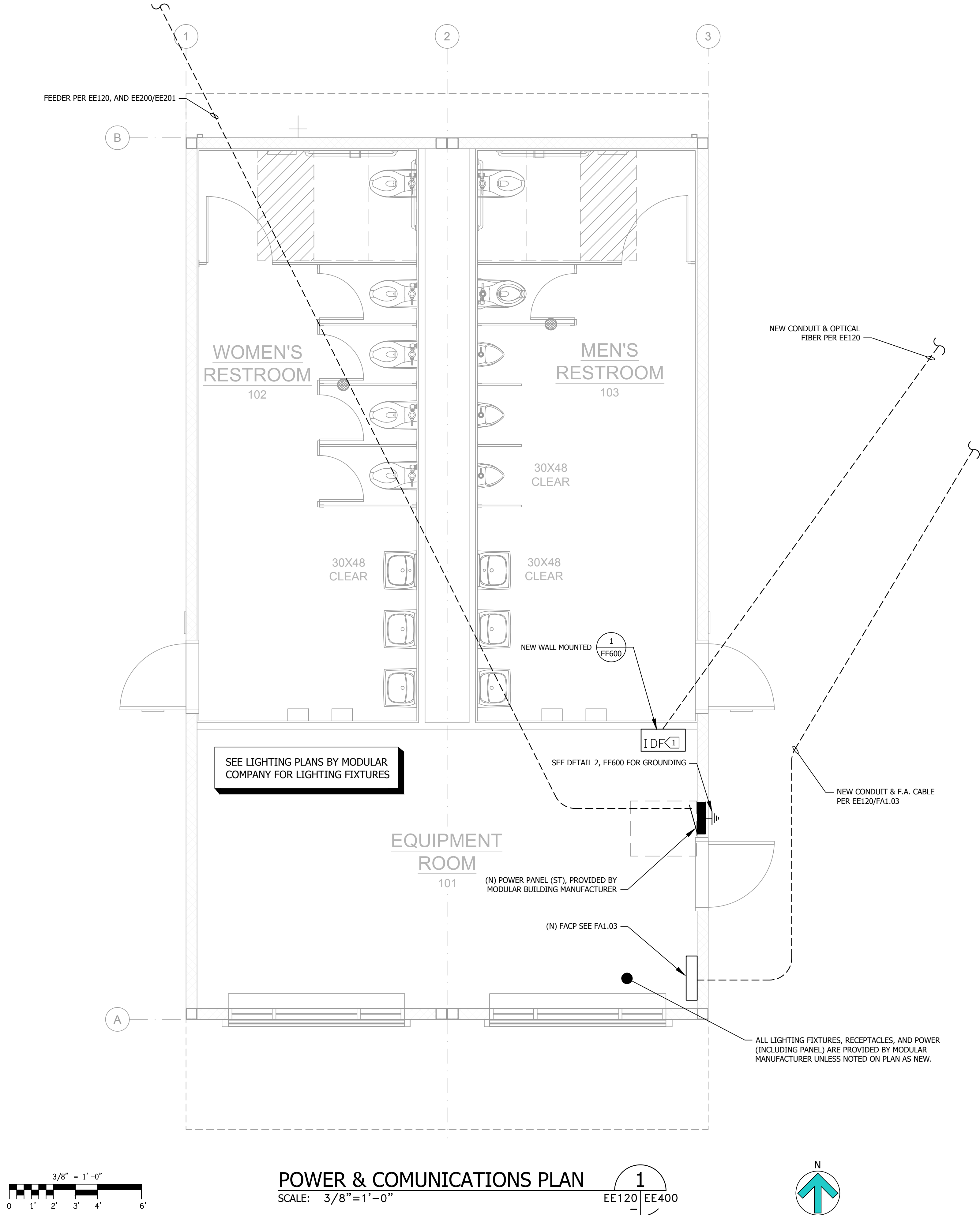
DATE: 7-15-2021

SHEET: OF

| NEW PANEL PROVIDED BY MODULAR MANUFACTURER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| PANEL NUMBER <u>ST</u> VOLTAGE <u>120/208</u> PHASE <u>3</u> WIRE <u>4</u> | | | | | | | | | | | | | | | ■ NEMA 1 | | | | | ■ COPPER BUSS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOURCE <u>MSA</u> A.I.C. <u>10,000</u> | | | | | | | | | | | | | | | ■ MAIN CIRCUIT BREAKER <u>225</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PANEL LOCATION <u>PER E401</u> BUS AMPERE RATING <u>225</u> | | | | | | | | | | | | | | | ■ FLUSH MOUNTING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | C | L | M | R | P | C | L | F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TIME: 3:20 pm
DATE: 15 July 2021
PATHNAME: G:\20179\EL\Sheets
DRAWING FILENAME: 20-179E400
DRAFTER: CM02

D:\20179\EL\Sheets\20-179E400.dwg
Author: CM02
Date: 7/15/2021
Project: 20-MPC-036
Sheet: 1 of 1
Title: POWER & COMMUNICATIONS PLAN
Scale: 3/8" = 1'-0"

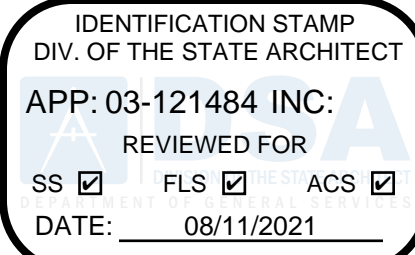


SHEET NOTES:

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" MINIMUM UNDERGROUND.

KEY NOTES:

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

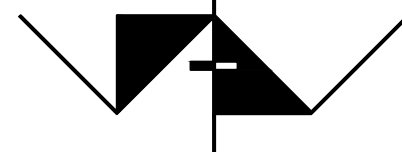


PROJECT TITLE

**STADIUM
RESTROOM AND
EQUIPMENT ROOM**

7075 Campus Rd, Moorpark, CA
93021

COMMISSIONED ARCHITECT



**AMADOR WHITTLE
ARCHITECTS, INC.**

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

CONSULTANT

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS

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

(805) 389-6520

FAX (805) 389-6519

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STAMPS/SEALS



DSA SUBMITTAL

SHEET TITLE:

**POWER AND
COMMUNICATIONS
PLAN**

PROJECT NO.: 20-MPC-036 PROJECT ARCH: Designer
DRAWN: L.K/D.S. CHECKED: K.L.

SHEET NUMBER:

EE400

DATE: 7-15-2021

SHEET: OF

TIME: 3:20 pm

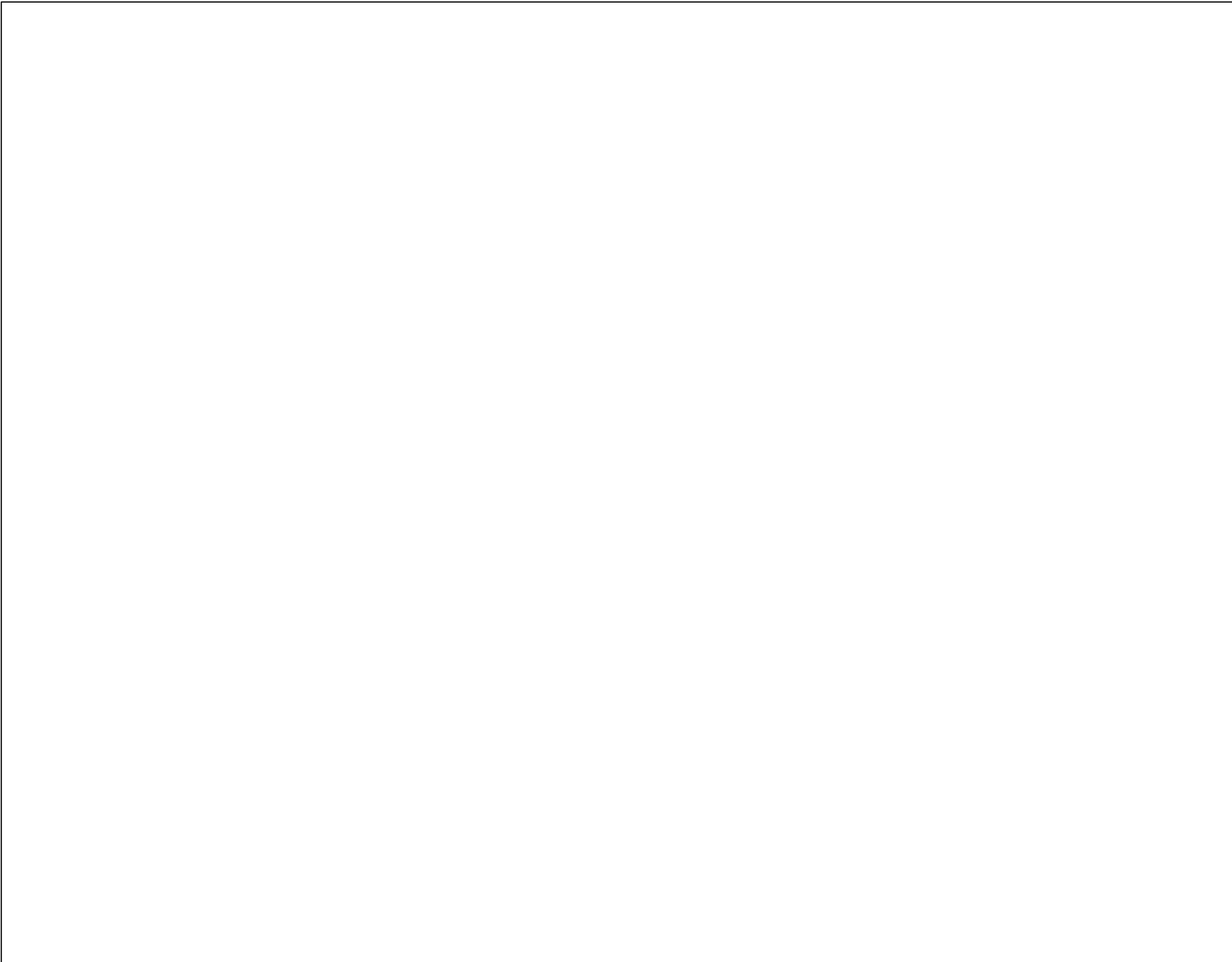
DATE: 15 July 2021

PATHNAME: G:\20179\EL\Sheets

DRAWING FILENAME: 20-179E600

DRAFTER: CM02

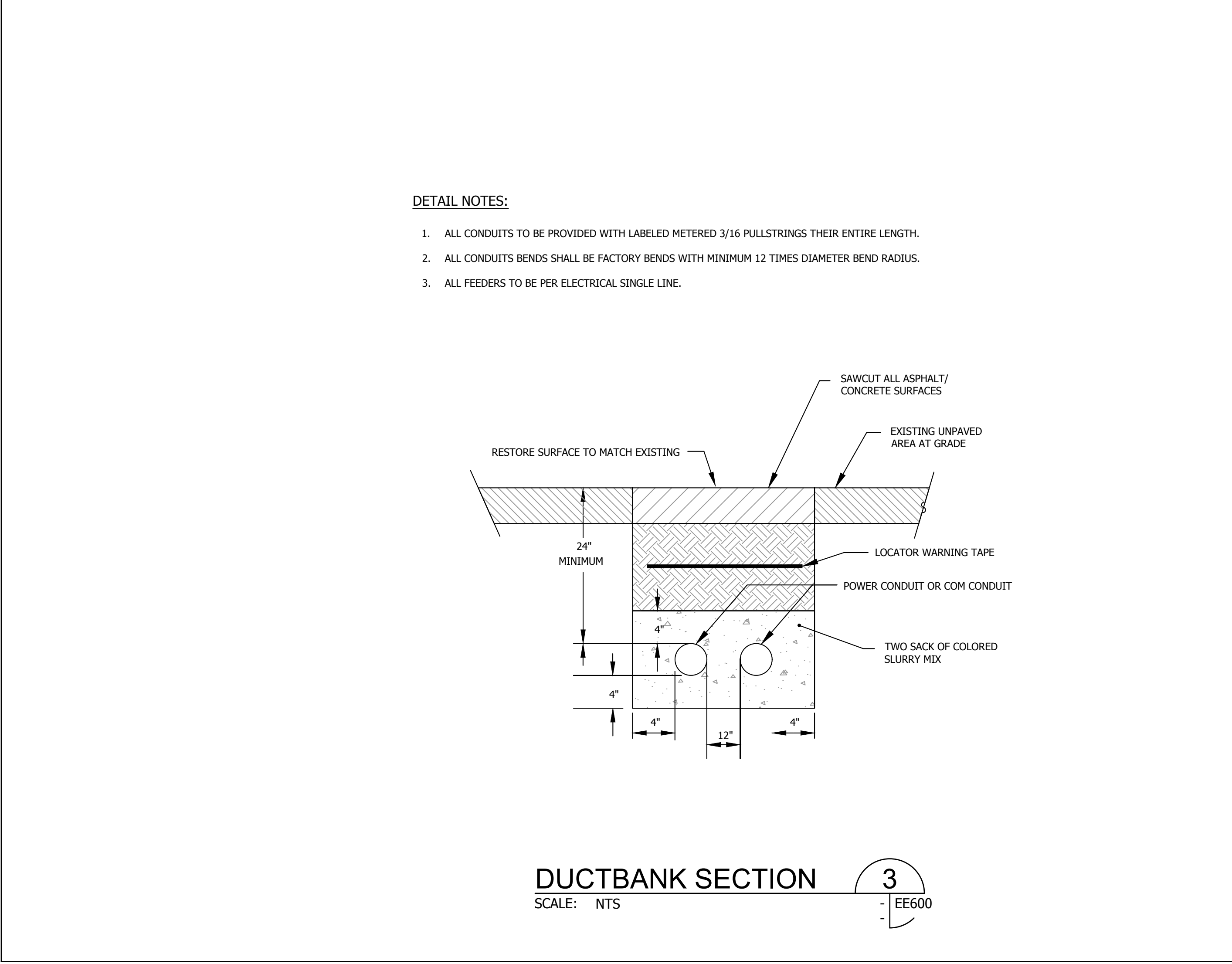
Drawing Date: 15 July 2021
Drawing Title: 20-179E600.dwg
Drawing Path: G:\20179\EL\Sheets\20-179E600.dwg
Drawing Author: CM02
Drawing Checker: CM02
Drawing Date: 15 July 2021



GROUNDING OF MODULAR BUILDINGS

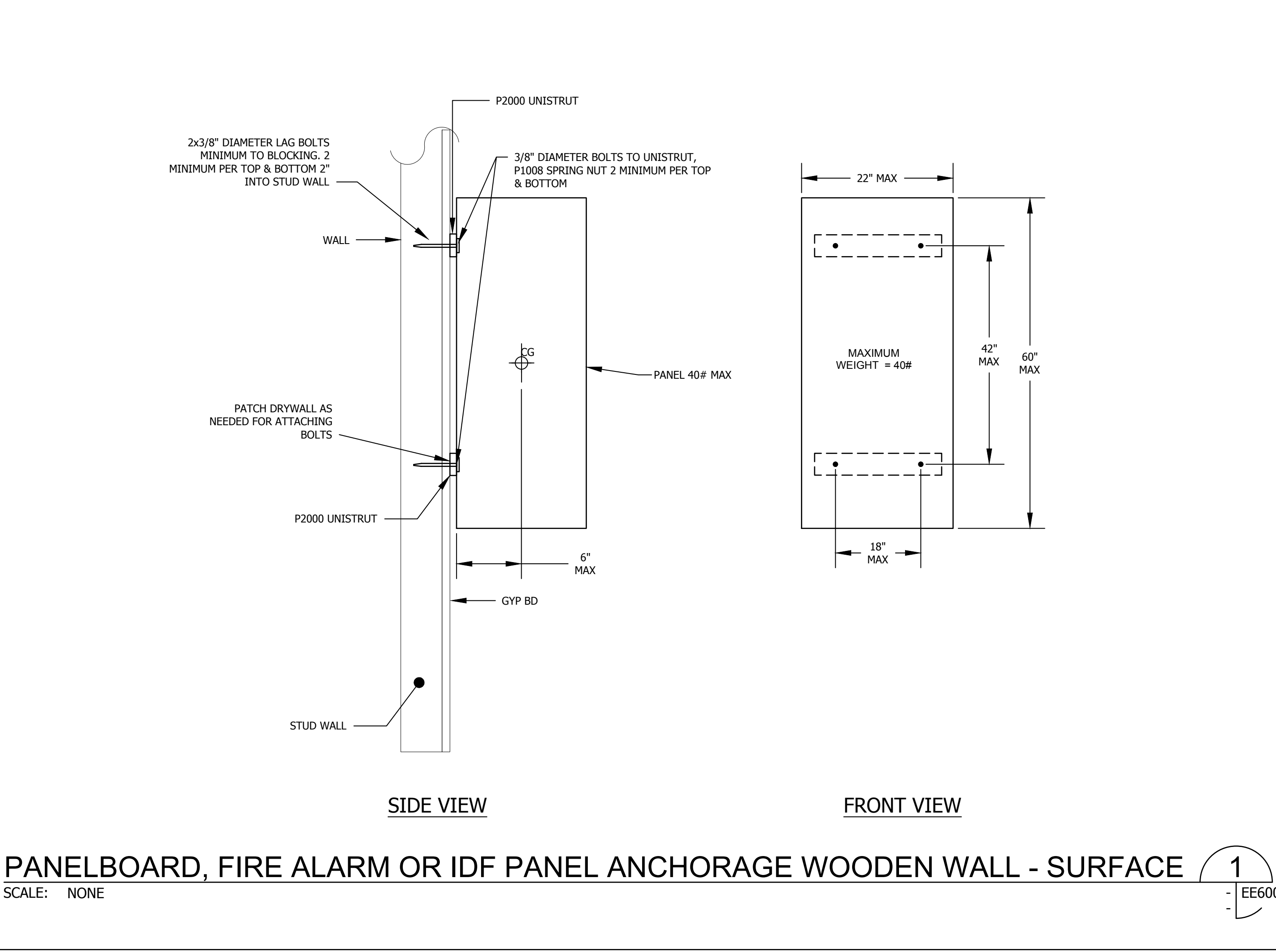
SCALE: NONE

- NOTES:
- 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)
 - All modules of metal frame buildings shall be electrically bonded together. (Bolting only is not acceptable bonding.)
 - 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])
 - 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])
 - 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).
 - 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 requirements.
- Grounding tests are to be observed and reported by the Project Inspector in their semi-monthly report (form [DSA 155](#)).



DUCTBANK SECTION

SCALE: NTS



PANELBOARD, FIRE ALARM OR IDF PANEL ANCHORAGE WOODEN WALL - SURFACE

SCALE: NONE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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
93021

COMMISSIONED ARCHITECT
**AMADOR WHITTLE
ARCHITECTS, INC.**
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938 , (818) 874-0071

CONSULTANT
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3251 CORTE MALPASO, #511
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STAMPS/SEALS

DSA SUBMITTAL

PROJECT NO.: 20-MPC-036 PROJECT ARCH: Designer
DRAWN: L.K/D.S. CHECKED: K.L.
SHEET NUMBER:
EE600
DATE: 7-15-2021 SHEET: OF

DEVICE LEGEND ALL DEVICES ARE NEW

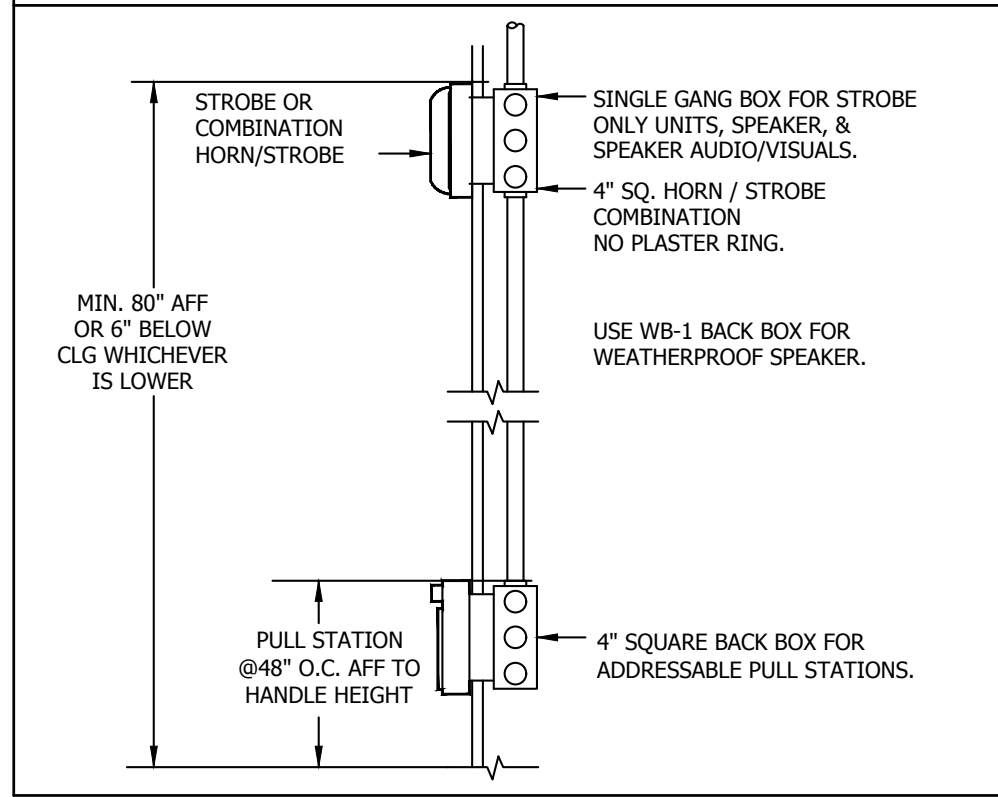
| SYMBOL | QTY. | MODEL | MAKE | DESCRIPTION | CSFM # | MOUNTING |
|-----------|------|-------------|--------------|---|----------------|--|
| [FACP] | | EST3 | EST | —NEW MAIN FIRE ALARM CONTROL PANEL | 7165–1657:0186 | —WALLBOX PROVIDED |
| | 1 | 3–CAB14B | EST | —ENCLOSURE | 7165–1657:0186 | —MOUNTS 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 |
| | 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 | —MOUNTS ON RAIL |
| | 1 | 3–LRMF | EST | —BLANK LRM FILLER | N/A | —MOUNTS ON RAIL |
| | 2 | 3–PPS/M | EST | —PRIMARY POWER SUPPLY | 7165–1657:0186 | —MOUNTS IN WALLBOX SEE RISER |
| | 1 | SLA1116 | POWER PATROL | —7.0 AH BATTERY | N/A | —MOUNTS IN WALLBOX MINIMUM 10/17 MANUFACTURER DATE STAMP |
| CD SPK | 2 | G4HFW–S7VMC | EST | —SPEAKER/STROBE 15 CANDELA (W=Wall C=CEILING) | 7320–1657:0211 | —4" SQUARE BOX WITH SINGLE GANG RING |
| | 1 | G4HFW–S7VMC | EST | —SPEAKER/STROBE 30 CANDELA (W=Wall C=CEILING) | 7320–1657:0211 | —4" SQUARE BOX WITH SINGLE GANG RING |
| | 2 | G4HFW–S7VMC | EST | —SPEAKER/STROBE 75 CANDELA (W=Wall C=CEILING) | 7320–1657:0211 | —4" SQUARE BOX WITH SINGLE GANG RING |
| | 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 |
| CD D | 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) |
| SD | 13 | SIGA–PD | EST | —SMOKE DETECTOR | 7272–1657:0331 | —MOUNTS TO SIGA–SB BASE |
| | 13 | SIGA–SB | EST | —BASE | 7300–1657:0120 | —4" SQ. BOX WITH 3" "O" RING |
| HD | 11 | SIGA–HRD | EST | —HEAT DETECTOR | 7270–1657:0333 | —MOUNTS TO SIGA–SB BASE |
| | 11 | SIGA–SB | EST | —BASE | 7300–1657:0120 | —4" SQ. BOX WITH 3" "O" 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) |
| CO | 1 | SIGA–COD | EST | CO DETECTOR | 5278–1657:0335 | —SIGA–SB BASE 4SQ |
| [AMPT] | 1 | ANS50 | EST | VOICE COMMUNICATION ACCESSORIES | 6912–1657:0237 | ANS50MD2 |

SEE ATTACHED F.A. SUBMITTAL FOR CSFM# AND DATA SHEETS

WIRE LEGEND

| TYPE | CONDUCTORS | SIZE | TYPE CABLE | CIRCUIT DESCRIPTION | WIRE COLOR SCHEME | LISTING |
|------|------------|--------|------------|----------------------------|--|-----------------------------|
| A | 2 | #18AWG | FPL | ADDRESSABLE DEVICE CIRCUIT | RED (+), BLACK (–) | UL AQ224 1424/581 WEST PENN |
| 2A | 4 | #18AWG | FPL | ADDRESSABLE DEVICE LOOP | RED (+), BLACK (–), BLUE (+), BROWN (–) | UL AQ224 1424/581 WEST PENN |
| B | 2 | #12AWG | THHN | SPEAKER CIRCUIT | RED (+), BLACK (–) | UL 83 |
| C | 2 | #14AWG | THHN | STROBE CIRCUIT | YELLOW (+), BLUE (–) | UL 83 |
| 2C | 4 | #14AWG | THHN | STROBE LOOP | YELLOW (+), BLUE (–), YELLOW STRIPED (+), BLUE STRIPED (–) | UL 83 |
| N | 4 | #16AWG | THHN | NETWORK (RS484) CIRCUIT | RED (+), BLACK (–) | UL 83 |
| P | 2 | #14AWG | THHN | AUXILIARY POWER CIRCUIT | ORANGE (+), BROWN (–) | UL 83 |
| D | 2 | #12AWG | THHN | STROBE CIRCUIT | YELLOW (+), BLUE (–) | UL 83 |
| 2D | 4 | #12AWG | THHN | STROBE LOOP | YELLOW (+), BLUE (–), YELLOW STRIPED (+), BLUE STRIPED (–) | UL 83 |

MOUNTING HEIGHT DETAIL



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 RECORD.

A CERTIFICATE OF COMPLIANCE SHALL BE PREPARED BY THE INSTALLER AND GIVEN TO THE FIRE MARSHAL UPON COMPLETION OF THE INSTALLATION.

COMPLETE THE NFPA 72 RECORD OF COMPLETION, TESTING ALL DEVICES AND APPLIANCES. PROVIDE A COPY OF THE COMPLETED RECORD OF COMPLETION TO THE OWNER (SCHOOL DISTRICT), ARCHITECT, LOCAL FIRE AUTHORITY AND DSA VIA THE PROJECT INSPECTOR.

SEQUENCE OF OPERATION

| ACTION | THROUGHOUT BUILDING SOUND GENERAL ALARM | SOUND TROUBLE BUZZER | ACTIVATE ADDRESSABLE MODULE FOR MONITORING | ANNUNCIATE AT PANEL | TRANSFER TROUBLE SIGNAL FOR ALL APPLICABLE COMPONENTS TO SUPERVISING STATION | TRANSFER ALARM SIGNAL TO SUPERVISING STATION | ACTIVE REMOTE POWER SUPPLY PANEL (FCPS) | DROP BREAKERS & 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 | | ● | | ● | ● | ● | | |

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

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 10- 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.
- PART 12- 2019 CALIFORNIA REFERENCE STANDARDS CODE, TITLE 24 C.C.R.

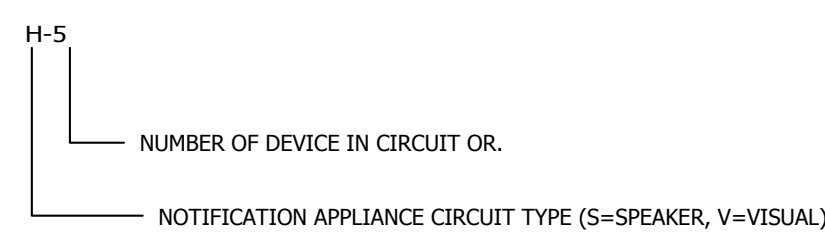
PARTIAL LIST OF APPLICABLE STANDARDS

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

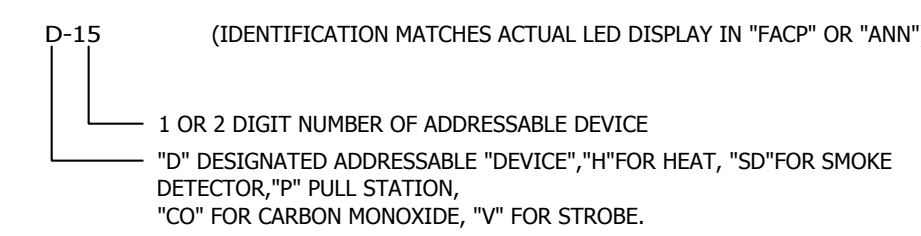
| | | |
|-----------|---|--------------|
| NFPA 13 | AUTOMATIC SPRINKLER SYSTEMS (CALIFORNIA AMENDED) | 2016 EDITION |
| NFPA 14 | STANDPIPE SYSTEMS (CALIFORNIA AMENDED) | 2016 EDITION |
| NFPA 17 | DRY CHEMICAL EXTINGUISHING SYSTEMS | 2017 EDITION |
| NFPA 17a | WET CHEMICAL EXTINGUISHING SYSTEMS | 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) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES") | 2016 EDITION |
| 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.

FIRE ALARM N.A.C. DEVICE NUMBERING KEY



FIRE ALARM ADDRESSABLE DEVICE IDENTIFICATION KEY



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

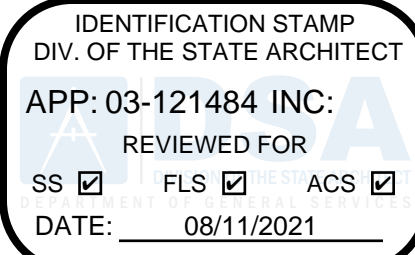
50 WATT AMP

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

SPEAKER SYSTEM

SCALE: NONE

1
FA1.01

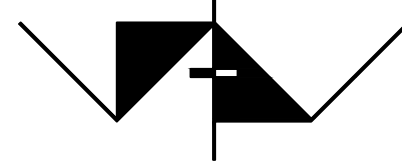


PROJECT TITLE

STADIUM RESTROOM AND EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA
93021

COMMISSIONED ARCHITECT



**AMADOR WHITTLE
ARCHITECTS, INC.**

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

CONSULTANT

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS

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

(805) 389-6520

FAX (805) 389-6519

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STAMPS/SEALS



DSA SUBMITTAL

SHEET TITLE:

FIRE ALARM GENERAL NOTES AND DEVICES LEGEND

PROJECT NO.: 20-MPC-036 PROJECT ARCH: Designer
DRAWN: L.K./D.S. CHECKED: K.L.

SHEET NUMBER:

FA1.01

DATE: 7-15-2021

SHEET: ____ OF ____

TIME: 3:21 pm
DATE: 15 July 2021
PATHNAME: G:\20179\EL\Sheets
DRAWING FILENAME: 20-179FA1-03
DRAFTER: CM02
Drafter: CM02 Date: 15 July 2021
Drawing File: G:\20179\EL\Sheets\20-179FA1-03.dwg
Project: 20-MPC-036
Drawing: L.K/D.S.
Sheet: 1 of 1
Scale: 3/8" = 1'-0"

ANS Audio Panel Battery Calculations

ANS50

| Item | Qty | Standby Current (Amps) | Total Standby | Alarm Current (Amps) | Total Alarm |
|-----------------------------------|-----|------------------------|---------------|----------------------|-------------|
| ANS50 - 50W Amp | 1 x | 0.13 | 0.13 | 1.0 | 1.0 |
| ANSREMSUP - Remote Mic Sup Module | 1 x | 0.03 | 0.03 | 0.05 | 0.05 |
| ANSREM - Remote Mic | 1 x | 0.02 | 0.02 | 0.04 | 0.04 |
| ANSZSC4A - Class A Converter | 1 x | 0.038 | 0.038 | 0.048 | 0.048 |
| ANSRSI8 - Remote Serial Interface | 1 x | 0.01 | 0.01 | 0.01 | 0.01 |
| ANSAUX - Audio Matching I/O | 1 x | 0.015 | 0.015 | 0.035 | 0.035 |
| ANSBKUP - Backup Amp Module | 1 x | 0.04 | 0.04 | 0.01 | 0.01 |

Totals = 0.283 Amps 1.193 Amps
24 Stdby Hrs. 15 Alarm Mins.
0.250 Alarm Hrs.

6.792 + 0.298 = 7.09 AH

Batteries larger than 7AH require separate battery cabinet.
2 x 7AH IN SEPARATE BATTERY CABINET FOR ANS50

REQUIRED Battery Size = 8.508 Amp Hours

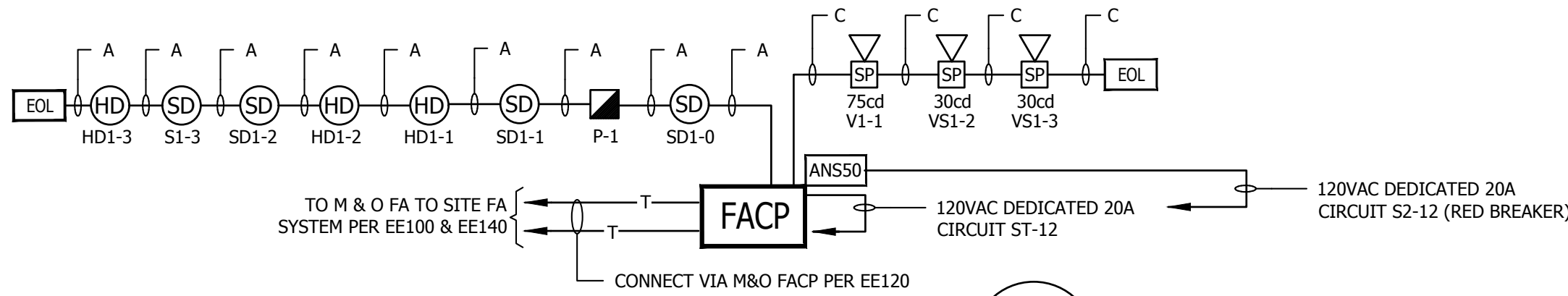
SHEET NOTES:

- VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
- 3/4" RED CONDUIT MINIMUM UNLESS OTHERWISE NOTED, 1" UNDER GROUND.
- CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL COMMUNICATION CABLING PER CABLE MANUFACTURERS RECOMMENDATIONS.
- 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 CONDUIT.
- 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.

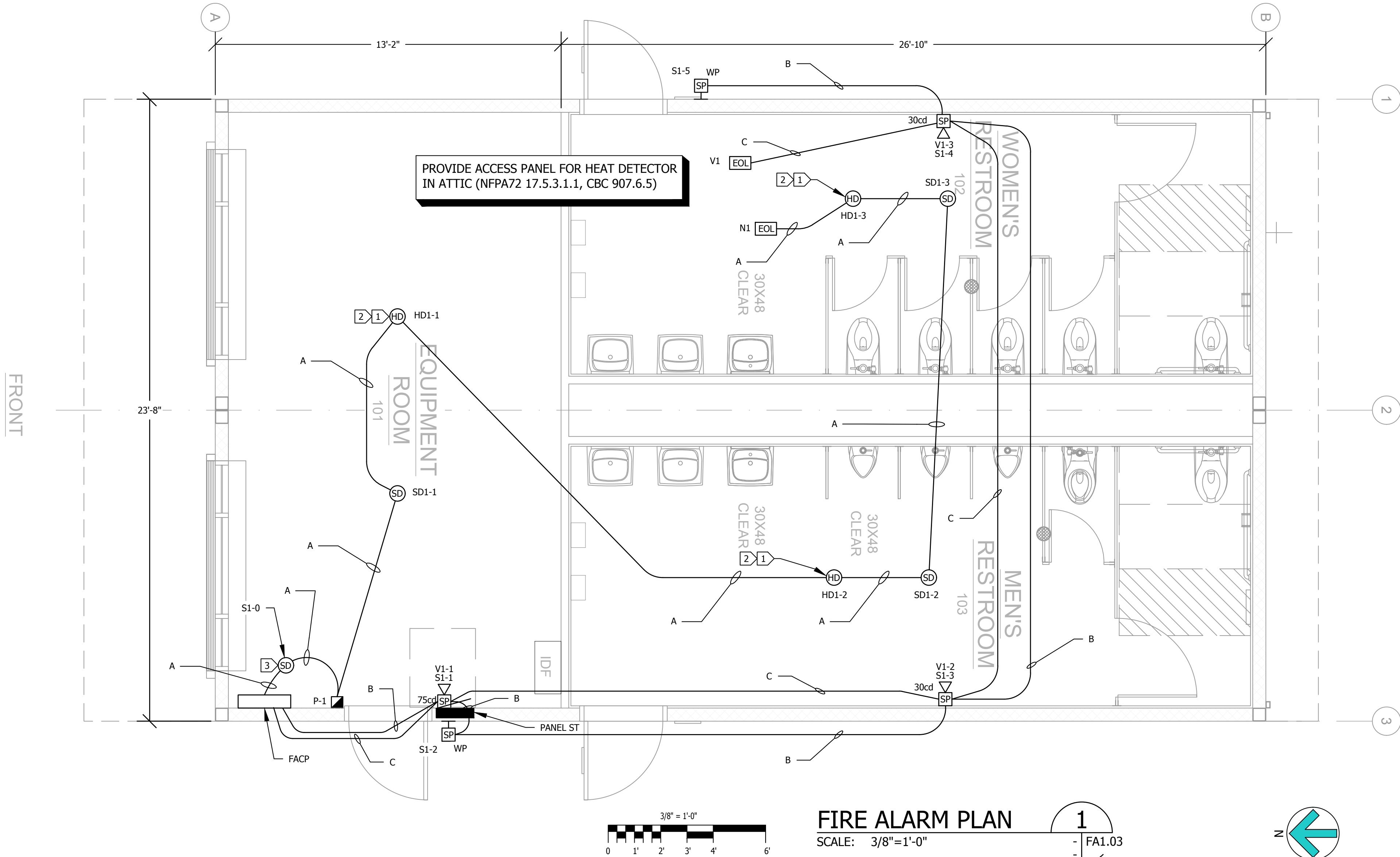
DO NOT INSTALL SMOKE OR HEAT DETECTORS WITHIN 36" OF SUPPLY OR RETURN AIR REGISTERS



FIRE ALARM RISER DIAGRAM

SCALE: NONE

2
- FA1.03



FIRE ALARM PLAN

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

1
- FA1.03

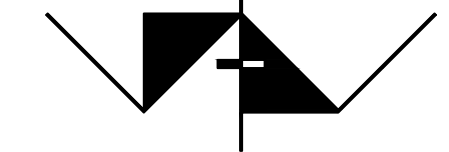
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121484 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/11/2021

PROJECT TITLE

STADIUM
RESTROOM AND
EQUIPMENT ROOM

7075 Campus Rd, Moorpark, CA
93021

COMMISSIONED ARCHITECT



AMADOR WHITTLE
ARCHITECTS, INC.

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STAMPS/SEALS



DSA SUBMITTAL

SHEET TITLE:

FIRE ALARM PLAN

PROJECT NO.: 20-MPC-036 PROJECT ARCH: Designer
DRAWN: L.K/D.S. CHECKED: K.L.

SHEET NUMBER:

FA1.03

DATE: 7-15-2021 SHEET: OF



American Modular Systems

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

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

MODULAR MANUFACTURER PROPRIETARY STATEMENT

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PRE-CHECKED SET NAME

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

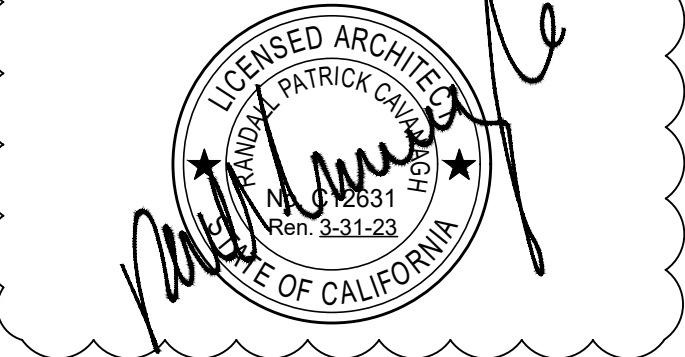
SITE SPECIFIC PROJECT NAME

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

SHEET TITLE

TITLE SHEET

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

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC02-115700

REVISIONS

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

TS

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2017

- 2016 CALIFORNIA ADMINISTRATIVE CODE (CAC) - (PART 1, TITLE 24, CCR)
- 2016 CALIFORNIA BUILDING CODE (CBC), VOLUME 1 & 2 - (PART 2, TITLE 24 CCR) BASED ON THE 2015 INTERNATIONAL BUILDING CODE
- 2016 CALIFORNIA ELECTRICAL CODE (CEC) - (PART 3, TITLE 24, CCR) BASED ON THE 2014 NATIONAL ELECTRIC CODE
- 2016 CALIFORNIA MECHANICAL CODE (CMC) - (PART 4, TITLE 24, CCR) BASED ON THE 2015 UNIFORM MECHANICAL CODE
- 2016 CALIFORNIA PLUMBING CODE (CPC) - (PART 5, TITLE 24, CCR) BASED ON THE 2015 UNIFORM PLUMBING CODE
- 2016 CALIFORNIA ENERGY CODE (CEC) - (PART 6, TITLE 24, CCR)
- 2016 CALIFORNIA FIRE CODE (CFC) - (PART 9, TITLE 24, CCR) BASED ON THE 2015 INTERNATIONAL FIRE CODE
- 2016 CALIFORNIA GREEN BUILDING CODE (CGC) - (PART 11, TITLE 24, CCR)
- 2016 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

PARTIAL LIST OF APPLICABLE STANDARDS

- NFPA 13 AUTOMATIC SPRINKLER SYSTEM 2016 EDITION
- NFPA 14 STANDPIPE AND HOSE SYSTEMS 2013 EDITION
- NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 2013 EDITION
- NFPA 17A WET CHEMICAL EXTINGUISHING SYSTEMS 2013 EDITION
- NFPA 20 STATIONARY PUMPS 2016 EDITION
- NFPA 24 PRIVATE FIRE MAINS 2016 EDITION
- NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED) 2016 EDITION
- NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS 2015 EDITION
- NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2015 EDITION

GENERAL NOTES

- PC BUILDING CLASSIFIED AS OCCUPANCY "A" WITH OCCUPANT LOAD 100 OR MORE CANNOT BE REVIEWED OVER THE COUNTER (OTC).
- PC BUILDING APPROVED ONLY FOR OCCUPANCY "E" OR "B", OR "A" CATEGORY I & II, WITH AN OCCUPANT LOAD LESS THAN 250.
- PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
- 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.
- SITE USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM MIGHT BE REQUIRED. AUTOMATIC FIRE SPRINKLER REQUIREMENTS ARE NOT INCLUDED IN THIS PC APPROVAL. (NOTE: SEE BUILDING DATA THIS SHEET FOR FIRE SPRINKLER SYSTEM WEIGHT INCLUDED IN BUILDING DESIGN)
- FIRE SERVICE UNDERGROUND SHALL BE REVIEWED AS A SITE SPECIFIC APPLICATION. WATER SUPPLY SHALL BE DESIGNED TO MEET THE PC SPRINKLER DEMAND REQUIREMENTS.
- PROVIDE A SITE SPECIFIC FIRE FLOW LETTER OF CERTIFICATION FROM AN APPROVED WATER PURVEYOR OR LOCAL FIRE AUTHORITY.
- THIS PC PLAN SHALL NOT BE USED TO HOUSE "ROOMS OR AREAS WITH SPECIAL HAZARDS" SUCH AS LABORATORIES, VOCATIONAL SHOPS AND OTHER SUCH AREAS NOT CLASSIFIED AS GROUP H, LOCATED IN GROUP E OCCUPANCIES.
- A SEPARATE DSA APPLICATION NUMBER IS REQUIRED FOR DESIGN & INSTALLATION OF SOLAR PANEL SYSTEMS, ITS ANCHORAGE & SUPPORT STRUCTURE. (NOTE: SOLAR PANEL SYSTEM WEIGHT NOT INCLUDED IN BUILDING DESIGN)
- SOLAR SYSTEM SUBMITTALS SHALL NOT BE SUBMITTED AS AN OVER-THE-COUNTER SUBMITTAL.
- IF THE STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF THE SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.
- THIS PC BUILDING IS NOT DESIGNED FOR FLOOD HAZARD AREAS.
- THE PLACEMENT OF THE PC BUILDING(S) ON OR ADJACENT TO SLOPES SHALL COMPLY WITH THE "FOUNDATION CLEARANCES FROM SLOPES" SPECIFICATIONS FOUND ON SHEET N2.0 OF THESE DRAWINGS.
- PC BUILDING SHALL NOT BE PLACED OR BE RELOCATED IN AREAS HAVING A NOISE CONTOUR GREATER THAN OR EQUAL TO 65 CNEL, OR IN AREAS EXPOSED TO A NOISE LEVEL OF 65 dB L_{eq} -1-hr DURING ANY HOUR OF OPERATION WHEN NOISE CONTOURS ARE NOT READILY AVAILABLE, AS SPECIFIED IN CALGREEN CODE, SECTION 5.507.4.1 & 5.507.4.1.1.
- THIS PC BUILDING IS NOT DESIGNED FOR SNOW LOADS.

SITE-SPECIFIC OPTIONS

| | | | |
|---|--|--|--|
| FLOOR DECK | <input type="checkbox"/> 1 1/8" PLYWOOD SHTG. | <input type="checkbox"/> NH-32 DECK 3"x18 GA. | <input checked="" type="checkbox"/> BH-36 DECK 1 1/2"x18 GA. |
| | | <input type="checkbox"/> 3WH DECK 3"x18 GA. | <input type="checkbox"/> 3WH DECK 3"x18 GA. |
| WALL STUDS | <input checked="" type="checkbox"/> WOOD | <input type="checkbox"/> LIGHT-GAUGE STEEL | |
| EXTERIOR WALL FINISH | <input type="checkbox"/> DURATEMP 303 | <input checked="" type="checkbox"/> SYNTHETIC STUCCO | <input type="checkbox"/> LAP SIDING <input type="checkbox"/> STUCCO |
| HVAC | <input type="checkbox"/> INTERIOR FLOOR MOUNTED | <input type="checkbox"/> EXTERIOR WALL MOUNTED | <input checked="" type="checkbox"/> SPLIT SYSTEM <input type="checkbox"/> ROOF MOUNTED |
| ROOFING | <input type="checkbox"/> 3" x 20 GA. STANDING SEAM | <input type="checkbox"/> 3" x 26 GA. STANDING SEAM OVER SHEATHING | <input checked="" type="checkbox"/> SINGLE-PLY <input type="checkbox"/> BUILT-UP ROOFING |
| ROOF PITCH | <input checked="" type="checkbox"/> SINGLE PITCH | <input type="checkbox"/> DUAL PITCH | |
| ROOF DIAPHRAGM | <input checked="" type="checkbox"/> 3/4" PLYWOOD | <input type="checkbox"/> STEEL X-BRACING | |
| FRONT OVERHANG | <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES - LENGTH: 5'-0" | ENCLOSED | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| REAR OVERHANG | <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES - LENGTH: 2'-0" | ENCLOSED | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| SOLATUBE ON ROOF | <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | |
| FIRE SPRINKLERS | <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (SEE GENERAL NOTES #5 - #7 THIS SHEET) | | |
| PARAPETS | <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (SEE SHEET S4.3) | | |
| RAMP(S) | <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (SEE SHEET S10.0) | | |
| LIQUEFIABLE SOILS | <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (SEE GENERAL NOTE #10 THIS SHEET) | | |
| GEOHAZARD REPORT | <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | |
| IF YES GEOTECHNICAL FIRM: | | | |
| | | REPORT DATE: | |
| IF YES GEOTECHNICAL FIRM: GEOTECHNICALS | | | |
| REPORT #: 1003.035 | | REPORT DATE: 06/30/17 | |
| DEEPER FOOTINGS REQUIRED? <input type="checkbox"/> NO | | <input checked="" type="checkbox"/> YES - REQUIRED DEPTH: 18" MIN. | |
| WIDER FOOTINGS REQUIRED? <input checked="" type="checkbox"/> NO | | <input type="checkbox"/> YES - REQUIRED DEPTH: | |

BUILDING DATA

| | |
|---|---|
| OCCUPANCY | E OR B (CLASSROOM USE FOR COLLEGE), OR A (CATEGORY I/II) |
| TYPE OF CONSTRUCTION | V-B (CATEGORY I & II) |
| WIND LOAD ASCE 7-10 SECTION 28.6.3 SIMPLIFIED PROCEDURE | V = 110 MPH ULT. WIND SPEED EXPOSURE = C INTERNAL PRESSURE COEFF., $G_{CP,i}$ = ± 0.18 RISK CATEGORY II K_{ZT} = 1.00 |
| FLOOR LIVE LOAD (PSF) | <input type="checkbox"/> 50 <input checked="" type="checkbox"/> 50+15 <input type="checkbox"/> 100 <input type="checkbox"/> 150 (NON-STORAGE) |
| ROOF LIVE LOAD (MAX PSF) | 20 (REDUCIBLE) |
| SNOW LOAD | NOT CONSIDERED (SEE GENERAL NOTE #14 THIS SHEET) |
| RAMP LIVE LOAD (MAX. PSF) | 100 |
| DESIGN DEAD LOADS (MAX PSF) | 14.8 RF - 10.0 WD FLR - 42.0 CONC. FLR - 13.7 EXT WALLS |
| ROOF SOLAR PANELS | NOT CONSIDERED (SEE GENERAL NOTE #9 THIS SHEET) |
| FIRE SPRINKLER SYSTEM DESIGN WT. | 1.5 PSF AT ROOF (SEE GENERAL NOTES #5 - #7 THIS SHEET) |
| ALLOWABLE SOIL PRESSURE (PSF) | <input checked="" type="checkbox"/> 1,500 FOR CONCRETE <input type="checkbox"/> 1,000 FOR WOOD |
| FLOOD HAZARD AREA | NO (SEE GENERAL NOTE #11 THIS SHEET) |
| BUILDING AREA (SQ. FT.) | 960 MIN. THRU 4800 MAX. 1440 |
| CLIMATE ZONE | 1-16 |
| MODULES | MOMENT-RESISTANT FRAME (SINGLE STORY) |
| SYSTEM | 12'x40' MODULES (2 MODULES MINIMUM) |
| FOUNDATION TYPE | <input checked="" type="checkbox"/> CONCRETE <input type="checkbox"/> WOOD |

SITE SPECIFIC SEISMIC CRITERIA:

SITE SPECIFIC S_s = 2.607 SITE CLASS = D
SITE SPECIFIC S_1 = 0.904

(NOTE: SITE SHALL BE SITE CLASS "D" IF NO SOILS REPORT
UNLESS THERE IS EVIDENCE OF CLASS "E" OR "F" SOILS PRESENT.)

SEISMIC: RISK CATEGORY II

I_e = 1.0 T = 0.240s R = 3.5 (OMF) F_v = 1.5 Max. FOR SITE CLASS A-D
= 2.4 Max. FOR SITE CLASS E
 Ω_o = 3.0 C_d = 3.0 SEISMIC DESIGN CATEGORY: D ($S_1 \leq 0.75$)
 ρ = 1.0 E (0.75 < S_1 < 1.5)

LATERAL FORCE RESISTING SYSTEM: LIGHT MODULAR STEEL MOMENT FRAMES PER 2212A
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

SITE CLASS A-D:

☐ LOW SEISMIC
 S_s = 2.429 MAX (SITE)
1.700 (DESIGN)*
 F_a = 1.0 S_{DS} = 1.62 (SITE)
1.13 (DESIGN)*
 C_s = 0.324 W (DESIGN)*
☒ HIGH SEISMIC
 S_s = 3.257 MAX (SITE)
2.280 (DESIGN)*
 F_a = 1.0 S_{DS} = 2.17 (SITE)
1.52 (DESIGN)*
 C_s = 0.434 W (DESIGN)*

SITE CLASS E:

☐ LOW SEISMIC
 S_s = 1.889 MAX (SITE)
1.889 (DESIGN)*
 F_a = 0.9 S_{DS} = 1.13 (SITE)
1.13 (DESIGN)*
 C_s = 0.324 W (DESIGN)*
☐ HIGH SEISMIC
 S_s = 2.533 MAX (SITE)
2.533 (DESIGN)*
 F_a = 0.9 S_{DS} = 1.52 (SITE)
1.52 (DESIGN)*
 C_s = 0.434 W (DESIGN)*

- *PER CBC 1616A.1.12 (MODIFICATION TO ASCE 7-10,12.8.1.3):
THE VALUE OF C_s AND E_v ARE PERMITTED TO BE CALCULATED USING A VALUE OF S_{DS} EQUAL TO 1.0, BUT NOT LESS THAN 70% OF S_{DS} AS DEFINED IN SECTION 11.4.4, PROVIDED THAT ALL OF THE FOLLOWING CRITERIA ARE MET:
- STRUCTURE DOES NOT HAVE IRREGULARITIES;
 - STRUCTURE DOES NOT EXCEED FIVE (5) STORIES ABOVE THE BASE;
 - STRUCTURE HAS A FUNDAMENTAL PERIOD, T, THAT DOES NOT EXCEED 0.5 SECONDS;
 - STRUCTURE MEETS REQUIREMENTS FOR REDUNDANCY FACTOR, ρ , TO BE TAKEN AS 1.0;
 - SITE SOIL PROPERTIES ARE NOT CLASSIFIED AS SITE CLASS "E" OR "F";
 - STRUCTURE IS CLASSIFIED AS RISK CATEGORY II.

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SHEET INDEX

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|-----------------|--|---|-------------------------|---|--|
| OPTIONS | SHEET NUMBER | SHEET TITLE | OPTIONS | SHEET NUMBER | SHEET TITLE |
| COVER SHEET | <input checked="" type="checkbox"/> TS | TITLE SHEET | STEEL MEMBER PROPERTIES | <input checked="" type="checkbox"/> S0.0 | STEEL MEMBER PROPERTIES |
| INSPECTION FORM | <input checked="" type="checkbox"/> D1 | FORM DSA-103 | | <input type="checkbox"/> S1.0 | CONCRETE FOUNDATION PLAN - 50 PSF LIVE LOAD |
| | <input checked="" type="checkbox"/> N1.0 | GENERAL NOTES & SPECIFICATIONS | | <input checked="" type="checkbox"/> S1.1 | CONCRETE FOUNDATION PLAN - 50 PSF LIVE LOAD +15 PSF PARTITION LOAD |
| | <input checked="" type="checkbox"/> N2.0 | GENERAL NOTES & SPECIFICATIONS | | <input type="checkbox"/> S1.2 | CONCRETE FOUNDATION PLAN - 100 PSF LIVE LOAD |
| | <input checked="" type="checkbox"/> N3.0 | TYPICAL SCHEDULES: DOORS, WINDOWS, & FINISHES | | <input type="checkbox"/> S1.3 | CONCRETE FOUNDATION PLAN - 150 PSF LIVE LOAD |
| | <input checked="" type="checkbox"/> N4.0 | ACCESSIBILITY STANDARDS AND DETAILS | | <input checked="" type="checkbox"/> S1.4 | CONCRETE FOUNDATION DETAILS |
| | <input checked="" type="checkbox"/> N5.0 | MULTIPLE FLOOR PLAN CONFIGURATIONS | | <input checked="" type="checkbox"/> S1.5 | CONCRETE FOUNDATION DETAILS |
| | <input type="checkbox"/> N5.1 | MULTIPLE FLOOR PLAN CONFIGURATIONS | | <input checked="" type="checkbox"/> S1.6A | STANDARD FOUNDATION ANCHORAGE DETAILS |
| | <input checked="" type="checkbox"/> EN.1 | ENERGY CALCULATIONS | | <input checked="" type="checkbox"/> S1.6B | UPGRADED FOUNDATION ANCHORAGE DETAILS |
| | <input checked="" type="checkbox"/> EN.2 | ENERGY CALCULATIONS | | <input checked="" type="checkbox"/> S1.7 | CONCRETE FOUNDATION OPTIONAL UTILITY OPENINGS IN FOOTINGS |
| | <input checked="" type="checkbox"/> EN.3 | ENERGY CALCULATIONS | | <input type="checkbox"/> S2.0 | WOOD FOUNDATION PLAN - 50 PSF LIVE LOAD - PLYWOOD FLOOR |
| | <input checked="" type="checkbox"/> EN.4 | ENERGY CALCULATIONS | | <input type="checkbox"/> S2.1 | WOOD FOUNDATION PLAN - 50 PSF LIVE LOAD + 15 PSF PARTITION LOAD - PLYWOOD FLOOR |
| | <input checked="" type="checkbox"/> EN.5 | ENERGY CALCULATIONS | | <input type="checkbox"/> S2.2 | WOOD FOUNDATION PLAN - 100 PSF LIVE LOAD - PLYWOOD FLOOR |
| | <input checked="" type="checkbox"/> EN.6 | ENERGY CALCULATIONS | | <input type="checkbox"/> S2.3 | WOOD FOUNDATION PLAN - 150 PSF LIVE LOAD - PLYWOOD FLOOR |
| | <input checked="" type="checkbox"/> EN.7 | ENERGY CALCULATIONS | | <input type="checkbox"/> S2.4 | WOOD FOUNDATION DETAILS |
| | <input checked="" type="checkbox"/> EN.8 | ENERGY CALCULATIONS | | | |
| | <input checked="" type="checkbox"/> EN.9 | ENERGY CALCULATIONS | | | |
| | <input checked="" type="checkbox"/> A1.0 | TYPICAL FLOOR PLAN | | | |
| | <input type="checkbox"/> A1.1 | TYPICAL FLOOR PLAN w/ SOLATUBE OPTION | | | |
| | <input checked="" type="checkbox"/> A1.2 | RESTROOM FLOOR PLAN OPTIONS | | | |
| | <input type="checkbox"/> A2.0 | TYPICAL ROOF PLAN - METAL STANDARD SEAM (WITHOUT PARAPETS) | | <input type="checkbox"/> S3.0 | FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR |
| | <input type="checkbox"/> A2.1 | TYPICAL ROOF PLAN - METAL STANDING SEAM (WITH PARAPETS) | | <input checked="" type="checkbox"/> S3.1 | FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/BH-DECK OPTION (100 PSF MAX FLOOR L.L.) |
| | <input type="checkbox"/> A2.2 | TYPICAL ROOF DETAILS - METAL STANDING SEAM | | <input type="checkbox"/> S3.2 | FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/NH32 DECK OPTION (100 PSF MAX FLOOR L.L.) |
| | <input checked="" type="checkbox"/> A2.3 | TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP (WITHOUT PARAPETS) | | <input type="checkbox"/> S3.3 | FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/3WH-DECK OR 3WH-DECK OPTION (150 PSF MAX FLOOR L.L.) |
| | <input type="checkbox"/> A2.4 | TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP (WITH PARAPETS) | | <input type="checkbox"/> S4.0 | ROOF FRAMING PLAN & DETAILS - OPEN SOFFIT OPTION |
| | <input checked="" type="checkbox"/> A2.5 | TYPICAL ROOF DETAILS - SINGLY-PLY OR BUILT-UP ROOFING | | <input checked="" type="checkbox"/> S4.1 | ROOF FRAMING PLAN & DETAILS - ENCLOSED SOFFIT OPTION |
| | <input type="checkbox"/> A4.0 | INTERIOR ELEVATIONS - TYPICAL CLASSROOM | | <input checked="" type="checkbox"/> S4.2 | ROOF FRAMING DETAILS |
| | <input checked="" type="checkbox"/> A4.1 | INTERIOR ELEVATIONS - RESTROOM OPTIONS | | <input type="checkbox"/> S4.3 | OPTIONAL PARAPET FRAMING ELEVATIONS & DETAILS |
| | <input type="checkbox"/> A5.0 | TYPICAL EXTERIOR ELEVATIONS - DURATEMP 303 SIDING OPTION | | <input checked="" type="checkbox"/> S5.0 | MOMENT FRAME ELEVATIONS & DETAILS |
| | <input type="checkbox"/> A5.1 | TYPICAL ARCHITECTURAL DETAILS - DURATEMP 303 SIDING OPTION | | <input checked="" type="checkbox"/> S5.1 | MOMENT FRAME CONNECTION DETAILS |
| | <input type="checkbox"/> A5.2 | TYPICAL EXTERIOR ELEVATIONS - STUCCO OPTION | | <input checked="" type="checkbox"/> S6.0 | TYPICAL LONGITUDINAL & TRANSVERSE FRAME SECTIONS |
| | <input type="checkbox"/> A5.3 | TYPICAL ARCHITECTURAL DETAILS - STUCCO OPTION | | <input checked="" type="checkbox"/> S8.0 | WALL FRAMING ELEVATIONS & SCHEDULES - WOOD STUDS |
| | <input type="checkbox"/> A5.4 | TYPICAL EXTERIOR ELEVATIONS - LAP SIDING OPTION | | <input checked="" type="checkbox"/> S8.1 | WALL FRAMING DETAILS - WOOD STUDS |
| | <input type="checkbox"/> A5.5 | TYPICAL ARCHITECTURAL DETAILS - LAP SIDING OPTION | | <input type="checkbox"/> S9.0 | WALL FRAMING ELEVATIONS & SCHEDULES - METAL STUD OPTION |
| | <input checked="" type="checkbox"/> A5.6 | TYPICAL EXTERIOR ELEVATIONS - SYNTHETIC STUCCO OPTION | | <input type="checkbox"/> S9.1 | WALL FRAMING DETAILS - METAL STUD OPTION |
| | <input checked="" type="checkbox"/> A5.7 | TYPICAL ARCHITECTURAL DETAILS - SYNTHETIC STUCCO OPTION | | <input type="checkbox"/> S9.2 | TYPICAL METAL STUD FRAMING DETAILS & PROPERTIES |
| | <input type="checkbox"/> A7.0 | ARCHITECTURAL EXTERIOR FINISH OPTIONS DETAILS | | <input type="checkbox"/> S10.0 | TYPICAL RAMP PLANS & NOTES |
| | <input checked="" type="checkbox"/> A7.1 | MISCELLANEOUS ARCHITECTURAL DETAILS | | <input type="checkbox"/> S10.1 | RAMP DETAILS |
| | <input type="checkbox"/> A8.0 | 1-HR FIRE RATED CONSTRUCTION DETAILS | | | |

SHEETS w/ SPECIFIC LOW/HIGH SEISMIC DESIGNATIONS/OPTIONS

- TS TITLE SHEET
- S2.0 WOOD FOUNDATION PLAN - 50 PSF LIVE LOAD - PLYWOOD FLOOR
- S2.1 WOOD FOUNDATION PLAN - 50 PSF LIVE LOAD + 15 PSF PARTITION LOAD - PLYWOOD FLOOR
- S2.2 WOOD FOUNDATION PLAN - 100 PSF LIVE LOAD - PLYWOOD FLOOR
- S2.3 WOOD FOUNDATION PLAN - 150 PSF LIVE LOAD - PLYWOOD FLOOR
- S3.0 FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR
- S3.2 FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/NH-32 DECK OPTION (100 PSF MAX FLOOR L.L.)
- S3.3 FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/3WH-DECK OR 3WH-DECK OPTION (150 PSF MAX FLOOR L.L.)
- S5.0 MOMENT FRAME ELEVATIONS & DETAILS
- S5.1 MOMENT FRAME CONNECTION DETAILS

TOTAL 51 PAGES

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| Additional Information for PC designs only, not to be added to DSA-103: | | | |
|---|---|---|---|
| | 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

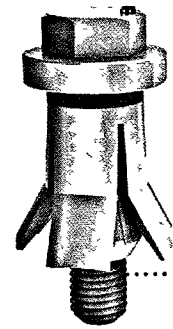
- ENSURE THAT THERE ARE NO GAPS BETWEEN THE CONNECTING STEELWORK
- ENSURE THAT THE HOLES ARE ALIGNED AND THAT THE HOLES HAVE THE CORRECT DIAMETER AND SPACING FOR THE CHOSEN HOLLO-BOLT.
- THE HOLES MUST BE STANDARD DIAMETER HOLES CONFORMING TO AISC 360 WHERE THE HOLE DIAMETER MUST BE NO GREATER THAN THE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

B. INSPECTION DURING INSTALLATION

- 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
 - 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
 - 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
 - IF AFTER TIGHTENING THE BOLT HEAD CONTINUES TO TURN THIS MAY BE AN INDICATION OF OVER TIGHTENING, OR IF USING A STAINLESS STEEL HOLLO-BOLT 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 STAINLESS 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.
- 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.)

- WAIVER OF CONTINUOUS BATCH PLANT INSPECTION (PER CBC 1705A3.3.1):
 - VERIFY THAT EITHER CONDITION a) OR b) ARE NOTED IN THE SPECIFICATIONS:
 - 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.
 - FOR SINGLE-STORY BUILDINGS, COMPRESSIVE STRENGTH: 3500 PSI SPECIFIED.
 - DESIGN REQUIREMENTS c) THRU f) ARE MET:
 - 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.
 - LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
 - BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL BE TRANSMITTED TO INSPECTOR OF RECORD.
 - SUBMIT WEIGHMASTER AFFIDAVIT.
- WAIVER OF CONTINUOUS BATCH PLANT INSPECTION NOT REQUIRED (PER CBC 1705A3.3.2):
 - PLANT INSPECTION IS NOT REQUIRED FOR ANY OF THE FOLLOWING CONDITIONS:
 - SITE FLATWORK,
 - UNENCLOSED SITE STRUCTURES, INCLUDING BUT NOT LIMITED TO LUNCH OR CAR SHELTERS, BLEACHERS, SOLAR STRUCTURES, FLAG OR LIGHT POLES, OR RETAINING WALLS,
 - CONTROLLED LOW-STRENGTH MATERIAL BACKFILL, OR
 - SINGLE-STORY RELOCATABLE BUILDINGS LESS THAN 2,160 SQUARE FEET.
- TESTING IS WAIVED FOR ONE-STORY BUILDINGS IF MILL CERTIFICATE IS PROVIDED.
- REQUIRED ONLY WHERE DETAILS SPECIFY THE USE OF THESE ATTACHMENTS.
- INSPECTION OF WEAVER DETAILED ON SHT. A7.0 MAY BE WAIVED BY DSA ON A SITE SPECIFIC BASIS.
- THE APPENDIX TO DSA-103 SHALL BE COMPLETED BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
- TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEET S5.1 HAVE A THICKNESS OF 3/4" 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.
- 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.

TEST OR INSPECTION (as listed on DSA-103)⁸

MATERIAL TYPE

SOILS

1. GENERAL:

- Verify that
 - 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
 - Materials below footings are adequate to achieve the design bearing capacity

2. COMPACTED FILLS:

- Perform classification and testing of fill materials
- Verify use of proper materials, densities, and inspect lift thicknesses, placement and compaction during placement of fill
- Test compaction of fill

CONCRETE

7. CAST IN PLACE CONCRETE - Lightweight over Metal Deck:

- Verify use of required design mix
- Identify, sample, and test reinforcing steel.⁽⁹⁾
- During concrete placement, fabricate specimens for strength tests, performing slump, and air content tests, and determine the temperature of the concrete
- Test concrete (f_c - compression)
- Batch plant inspection⁽¹⁾⁽²⁾ - design complies with 1705A.3.3
- Not Used
- Welding of reinforcing steel

7. CAST IN PLACE CONCRETE - Foundation:

- Verify use of required design mix
- Identify, sample, and test reinforcing steel ⁽⁹⁾
- During concrete placement, fabricate specimens for strength tests, performing slump, and air content tests, and determine the temperature of the concrete
- Test concrete (f_c - compression)
- Batch plant inspection⁽¹⁾⁽²⁾ - design complies with 1705A.3.3
- Not Used
- Welding of reinforcing steel

11. POST-INSTALLED ANCHORS⁽⁴⁾:

- Inspect installation of post-installed anchors
- Test post-installed anchors

MASONRY

14. VENEER OR GLASS BLOCK⁽⁹⁾:

- Verify proportions of site-prepared mortar and grout and/or verify certification of premixed mortar
- Inspect placement of units and construction of mortar joints
- Inspect placement of reinforcement, connectors, and anchors
- 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
- Verify preparation, construction, and protection of masonry during cold weather (temperature below 40° F) or hot weather (above 90°)
- Test veneer bond strength

STEEL, ALUMINUM

17. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES:

- Verify identification of all materials and
 - Mill certificates indicate material properties that comply with requirements,
 - Material sizes, types and grades comply with requirements
- Test unidentified materials
- Examine seam welds of HSS shapes
- Verify and document steel fabrication per DSA approved construction documents

19. WELDING:

- Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS
- Verify weld filler material manufacturer's certificate of compliance
- Verify WPS, welder qualifications and equipment

19.1 SHOP WELDING:

- Inspect groove, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds
- Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds
- Inspect welding of stairs and railing systems (only required where noted on S10.0 & S10.1)
- Verification of reinforcing steel weldability other than ASTM A706
- Inspect welding of reinforcing steel

19.2 FIELD WELDING:

- Inspect groove, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds (See foundation anchorage - S1.6 sheets)
- Inspect single-pass fillet welds ≤ 5/16" (See foundation anchorage - S1.6 sheets)
- Inspect end-welded studs (ASTM A-108) installation (including bend test)
- Inspect floor and roof deck welds
- Inspect welding of structural cold-formed steel
- Inspect welding of stairs and railing systems
- Verification of reinforcing steel weldability
- Inspect welding of reinforcing steel

20. NONDESTRUCTIVE TESTING⁽⁷⁾:

- Ultrasonic (Test per sheet S5.1)
- Magnetic Particle (Test per sheet S5.1)

22. SPRAY APPLIED FIRE-PROOFING⁽⁵⁾:

- Examine structural steel surface conditions, inspect application, take samples, measure thickness, and verify compliance of all aspects of application with DSA approved documents
- Test bond strength
- Test density

23. ANCHOR BOLTS, ANCHOR RODS, & OTHER STEEL:

- Anchor Bolts and Anchor Rods
- Threaded rod not used for foundation anchorage

OTHER

26. LOAD TEST FOR IDENTIFIED PRODUCT(S):

- Column fire rating where specified per 20/A8.0 and tested per 1705A.15

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

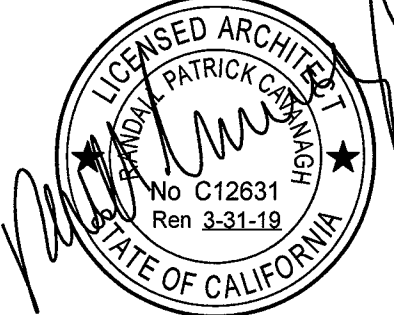
24'x40' THRU 120'x40'
STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

FORM
DSA-103

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

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-115700
AC *APR* FLS *HL* SS *LD*
DATE: 8-31-2018

PRE-CHECK (PC) DOCUMENT

CODE 2016 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

REVISIONS

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DRAWN BY:

SCALE: AS NOTED

DATE:

SHEET NUMBER

D1

SECTION 1GENERAL REQUIREMENTS

1. 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 D.S.A. AND THE ARCHITECT.

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.

2. SCOPE OF WORK

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 SCHOOL 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 DISTRICTS.

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 SCHOOL 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 D.S.A.

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 2FOUNDATION

1. 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)

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 FOUNDATIONS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

3. WORK NOT INCLUDED:

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.

B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM, UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.

4. WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. 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 3CONCRETE

1. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-14.

2. 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)

CONCRETE OVER METAL DECK.....3000 PSI (110 PCF)

3. 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.

4. CONCRETE SLUMP SHALL BE 4" ± 1".

5. 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.

6. CONCRETE AGGREGATES:

A. NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C33.

B. LIGHTWEIGHT AGGREGATE SHALL CONFORM TO ASTM C330.

C. MAX AGGREGATE SIZE SHALL BE 1"±1/4" FOR NORMAL WT. CONCRETE.

D. MAX AGGREGATE SIZE SHALL BE 1/2" FOR LIGHT WT. CONCRETE.

7. 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)3"

• CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS2"

• SLABS (ON GROUND)POSITION IN CENTER OF SLAB

9. ALL BARS SHALL HAVE A CLASS B MINIMUM LAP SPICE PER DETAILS 6 & 9/51.4 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 INSPECTED.

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 5STEEL

1. GENERAL – ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC 360-10, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS SECTION 2212.1-2, 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'.

2. 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.

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.

4. ERECTION – STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.

5. 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.

6. HANDRAILS – FABRICATED, AS DETAILED, NON-FILLET WELDS GROUND SMOOTH.

7. SHOP PAINT

A. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.

B. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

8. TESTS

A. PROVIDE MILL CERTIFICATES OR TEST ALL 2004.12.1 MEMBERS PER TITLE-24 PART 2, CCR SECTION 1705A.2 & 2203A.

SECTION 6CARPENTRY

1. SCOPE OF WORK

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

2. MATERIALS

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 AFA, 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 ≥ 9½" DEEP |
|--------------------------------|--------------------------------|
| F _b = 2400 PSI MIN. | F _b = 2900 PSI MIN. |
| F _v = 190 PSI MIN. | F _v = 290 PSI MIN. |
| E = 1.86E PSI MIN. | E = 2.0E6 PSI MIN. |

A. 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 BEAR AWP stamp. AWP STANDARD U1 & T1 GROUND CONTACT, D.F. (OR H.F.) #2 ABOVE GROUND.

F. MOISTURE BARRIER: KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. 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.

3. WORKMANSHIP

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.

C. 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)

1. SCOPE OF WORK

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

2. MATERIALS

A. SHEET METAL – 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. DOWNSPOUTS: 2"x3" CONVULGATED 30 GA. G-90 GALV. STEEL. GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL. GUTTER CLIPS: 18 GA. G-90 GALV. STEEL.

E. FASTENERS: SELF-DRILLING OR SELF-TAPPING SHEET METAL SCREWS. LENGTH TO HAVE (3) EXPOSED THREADS MIN.

3. WORKMANSHIP

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

1. 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 (90). ALTERNATE: 26 GAUGE WHEN INSTALLED OVER PLYWOOD SHEATHING.

B. CLASS B FIRE RATING.

C. FASTENERS SHALL BE HOT-DIPPED GALVANIZED.

SECTION 7C SEALANT

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.

2. MATERIALS

A. 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 SCAOMD RULE 1168 (AS SHOWN IN TITLE 24, PART 11, TABLE 5.504.4.1 AND TABLE 5.504.4.2)

3. WORKMANSHIP

SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION 7D SINGLE-PLY / BUILT-UP ROOFING

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO INSTALL SINGLE-PLY OR BUILT-UP ROOFING. THE ROOFING SYSTEM SHALL WITHSTAND THE UPLIFT OF 110 MPH ULTIMATE WIND SPEED.

3. 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.

3. WORKMANSHIP

MEMBRANE APPLIED ON SUBSTRATES THAT ARE DRY, CLEAN, AND FREE OF FIN, 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 COAT TAR ROOFS.

4. TESTING:

A. MEMBRANE SHALL BE DESIGNED TO PERFORM IN ALL TYPES OF WEATHER AND SHALL COMPLY TO ASTM D-2136 TESTING METHODS.

B. 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

1. 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 INTERIOR.

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.

3. 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 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.

1. 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 SECOND COAT.

B. THE SECOND COAT SHALL BE BE 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 CONCEAL THE BROWN COAT.

SECTION 9B PAINTS & COATINGS

1. 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

A. FOR EXTERIOR WOOD:

| | | | | |
|------------|--------------|-------------|------------------|----------|
| REF. BRAND | DUNN EDWARDS | KELLY MOORE | SHERWIN WILLIAMS | SINCLAIR |
| PRIMER | 42-9M | 1240 | Y24W20 | 289-N |
| FINISH | QD-60-XX | 1240-XXX | B54WZ102 | GE2-NXX |

B. FOR INTERIOR TRIM:

| | | | | |
|------------|--------------|-------------|------------------|----------|
| REF. BRAND | DUNN EDWARDS | KELLY MOORE | SHERWIN WILLIAMS | SINCLAIR |
| FINISH | W450-XX | 1650-XXX | A26W11 | 40XX |

C. FOR METAL:

| | | | | |
|------------|--------------|-------------|------------------|----------|
| REF. BRAND | DUNN EDWARDS | KELLY MOORE | SHERWIN WILLIAMS | SINCLAIR |
| PRIMER | 43-4 | 1710 | B50NZ6 | 15N |
| FINISH | 10-XX | 1700-XXX | B54WZ102 | GE2-NXX |

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 5.504.4.3.

3. WORKMANSHIP

ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS AND METAL ROOFING. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.

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 BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.

B. INTERIOR TRIM – TRIM NOT PRE-COATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.

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"):

1. ADHESIVES, SEALANTS, CAULKS SECTION 5.504.4.1

2. PAINTS, COATINGS SECTION 5.504.4.3

3. AEROSOL PAINTS & COATINGS SECTION 5.504.4.3.1

4. 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.

5. CARPET CUSHION OR PAD SECTION 5.504.4.4.1

6. CARPET ADHESIVE SECTION 5.504.4.4.2

7. 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-EXEMP MATERIALS PER TABLE 5.504.4.5.

8. RESILIENT FLOORING SYSTEMS SECTION 5.504.4.6

A. RESILIENT FLOORING SHALL BE CERTIFIED UNDER THE "FLOORSORE" 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

1. 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, CRUMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

2. 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.

SECTION 23 AIR CONDITIONING

1. 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.

2. EQUIPMENT

SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.

3. WORKMANSHIP

UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 26 ELECTRICAL

1. SCOPE OF WORK

A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT 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 NFPA 72.

2. MATERIALS

A. ELECTRIC METALLIC TUBING – COUPLING AND FLEX CONDUIT GALVANIZED OR SHERADIZED. EXTERIOR FLEX-GALV. STEEL WITH FACTORY APPLIED P.V.C. JACKET.

B. PANEL BOARDS – FLUSH MOUNTED.

C. CONDUCTORS – COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE-#14.

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

E. CLOCK RECEPTACLE – AS NOTED.

F. SWITCHES – AS NOTED. +48" A.F.F. MAX. TO TOP OF BOX

G. LIGHTING FIXTURES – AS NOTED ON THE DRAWINGS.

3. 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.). (FLEXIBLE CONDUIT S-BEND SEALTITE).

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS:

1. 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 (FORM DSA 152-IP).

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 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 120'x40'
STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

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

SHEET TITLE

GENERAL NOTES
&
SPECIFICATIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
PATRICK CAMPBELL
No. 22631
Exp. 3-31-23
STATE OF CALIFORNIA

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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC02-115700

REVISIONS

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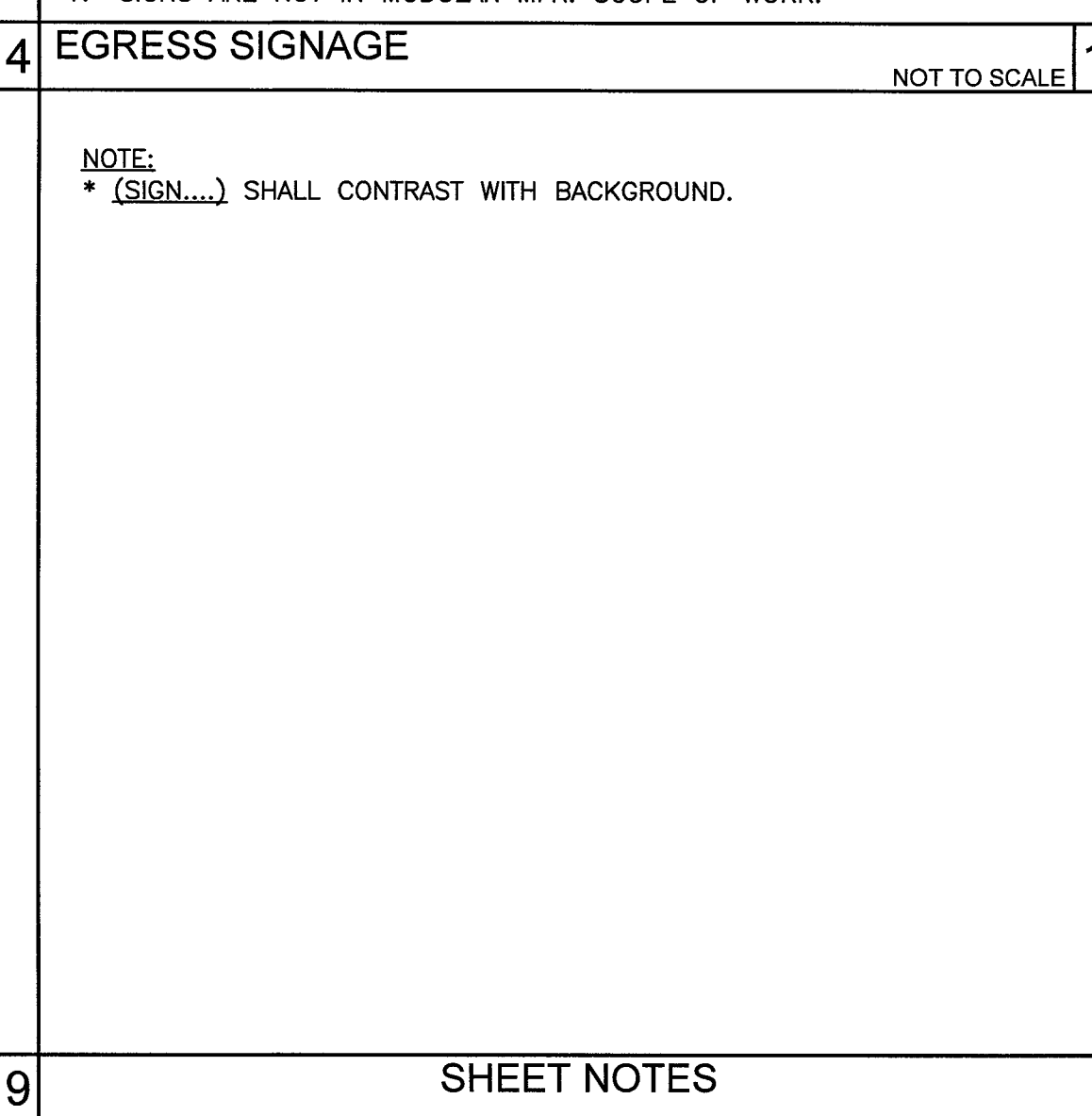
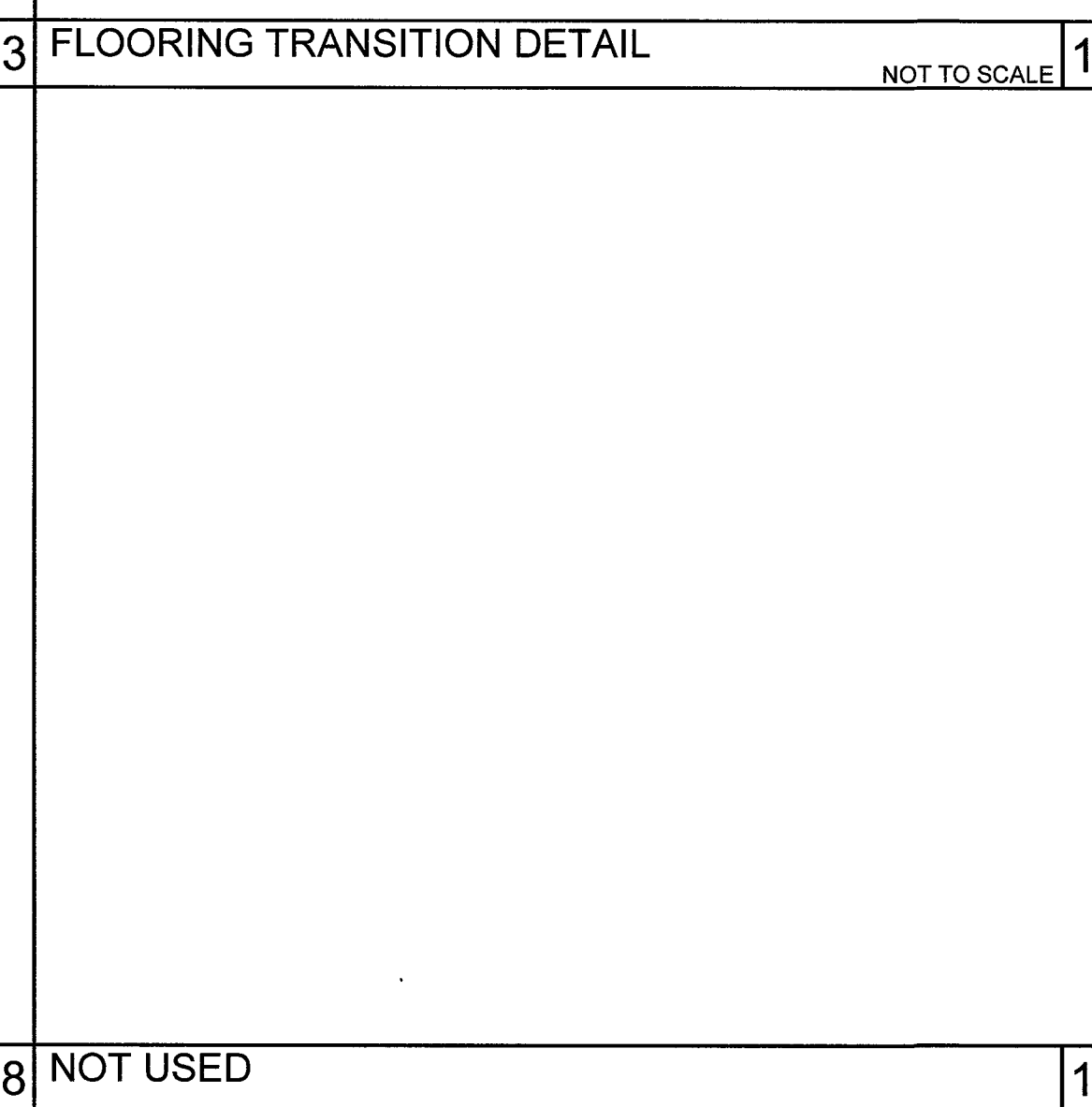
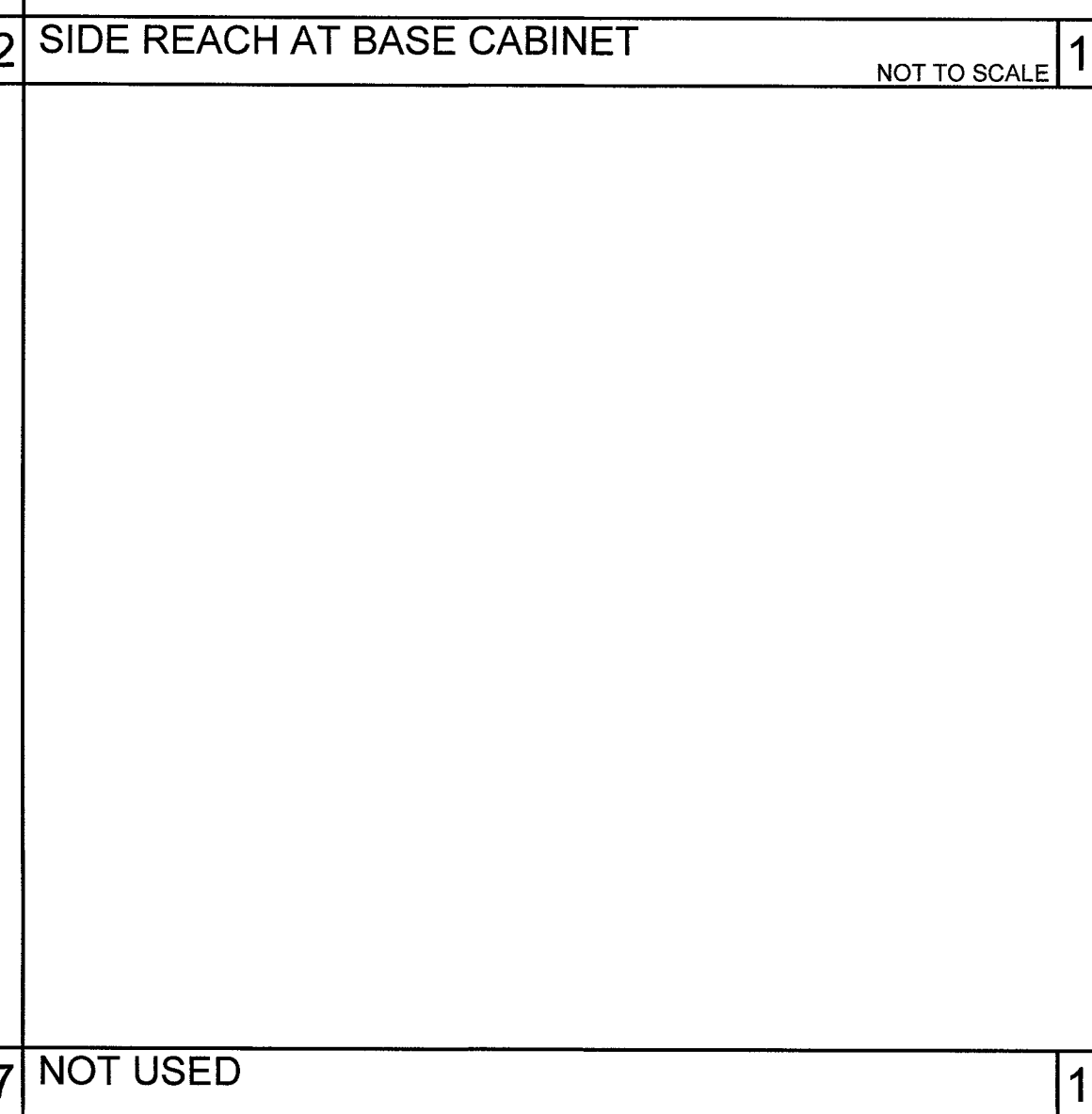
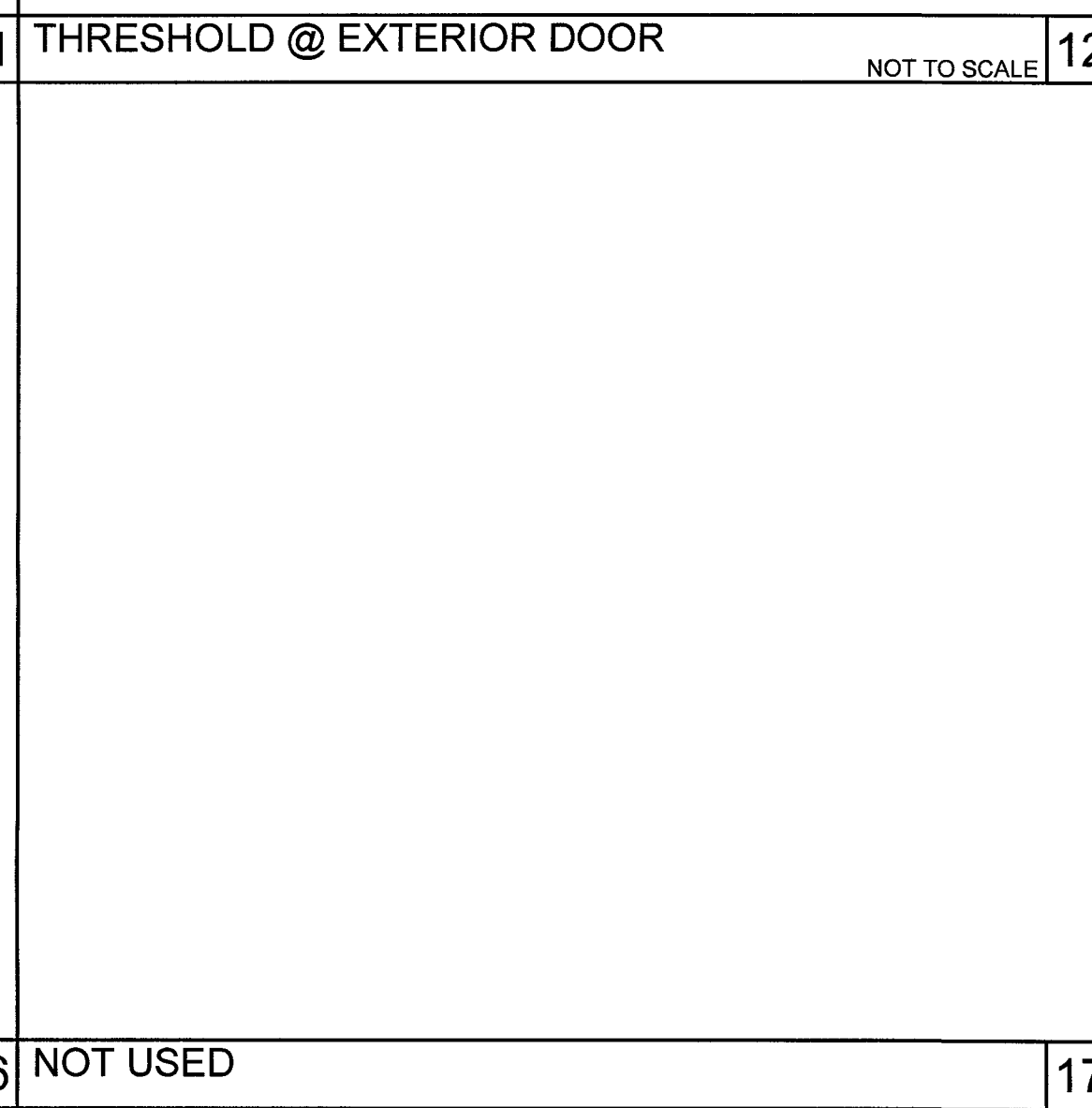
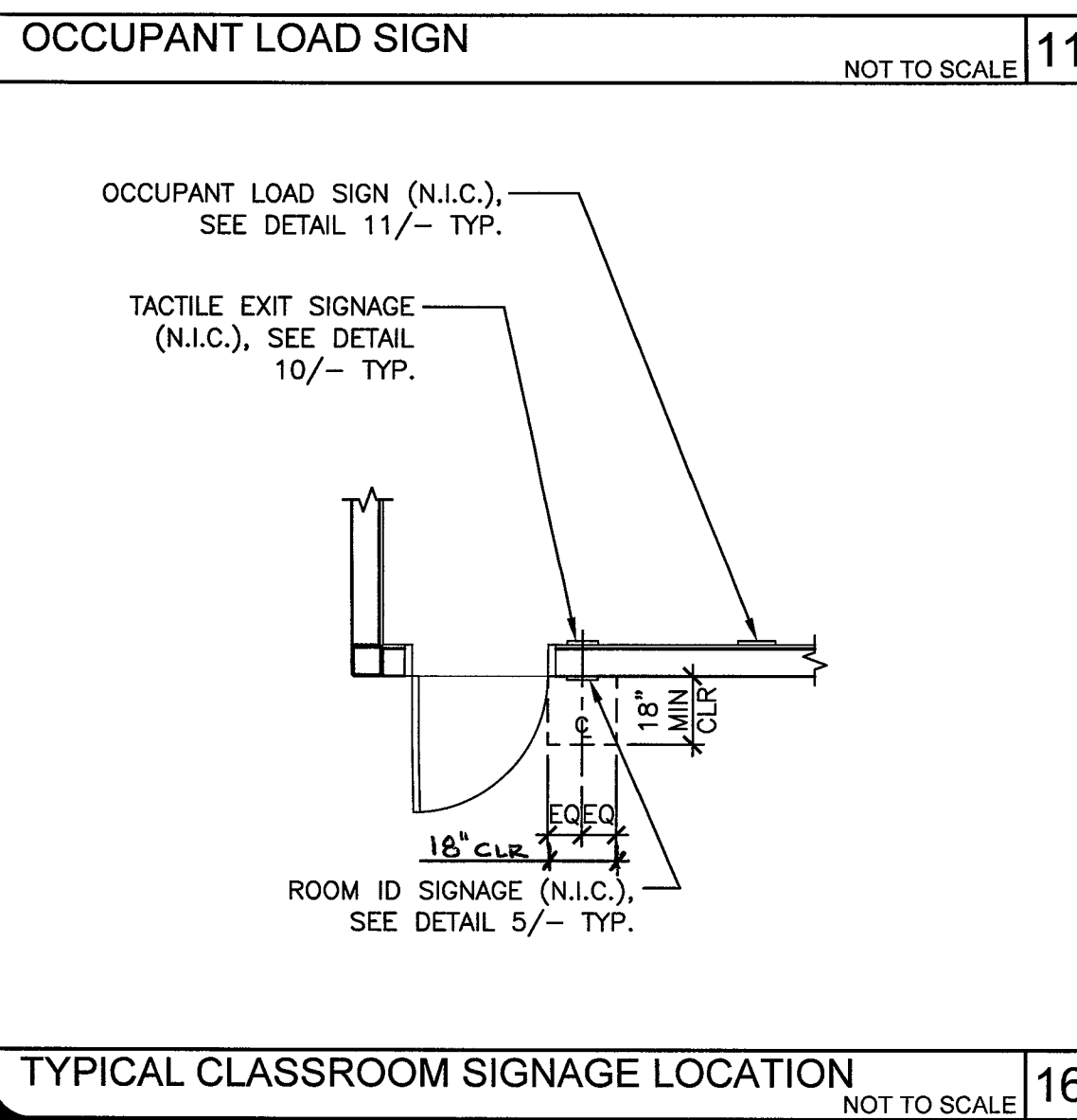
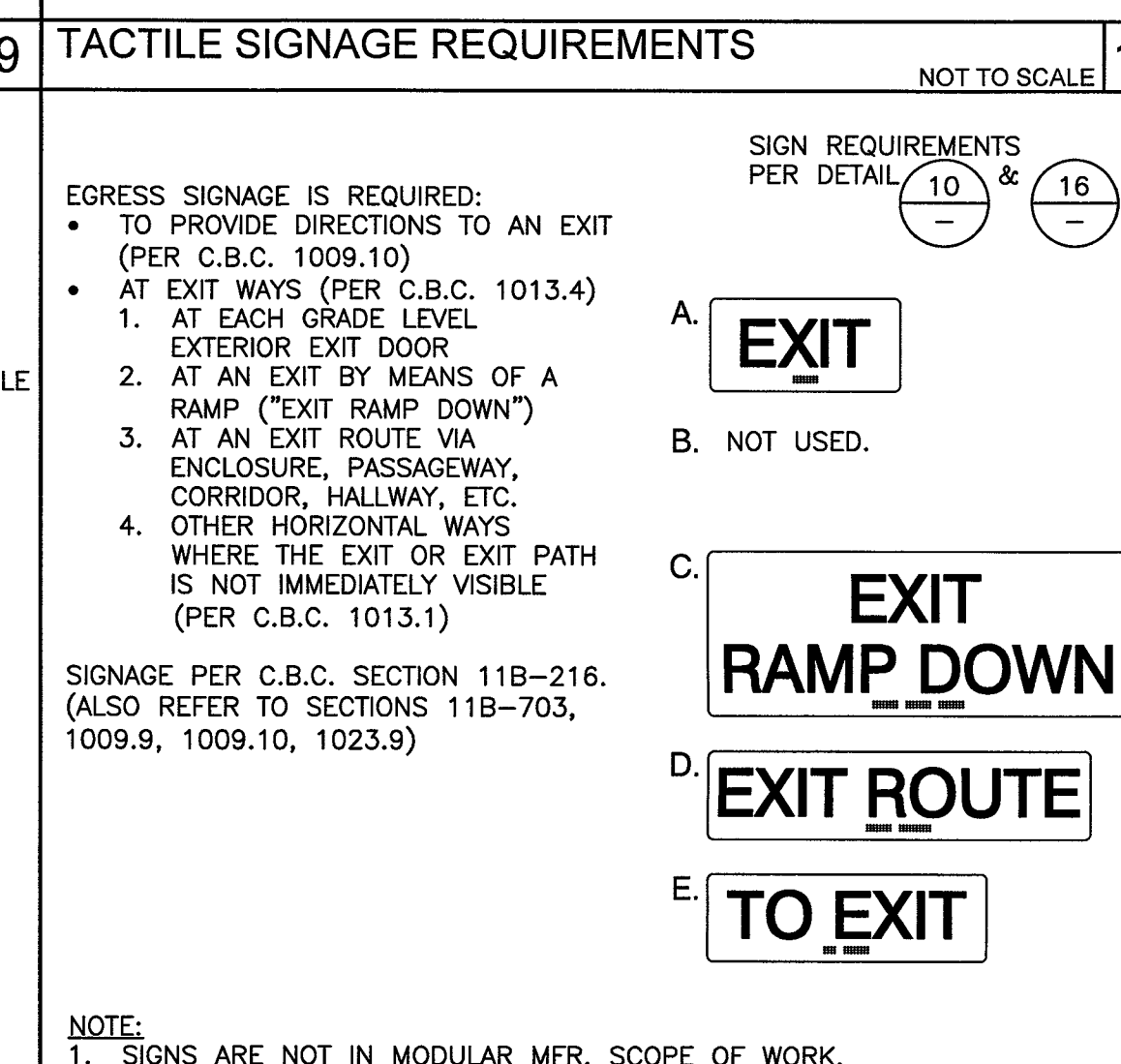
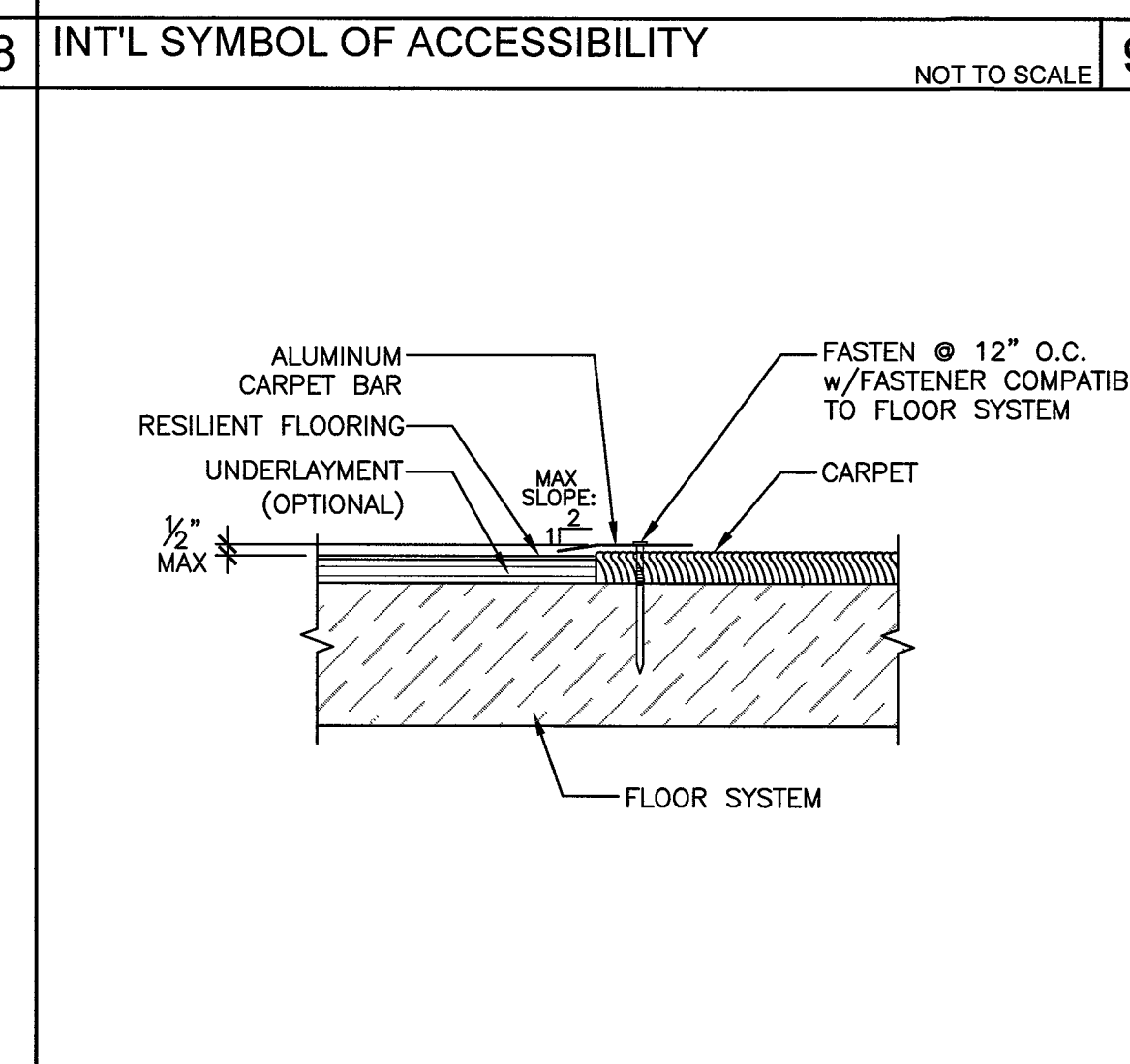
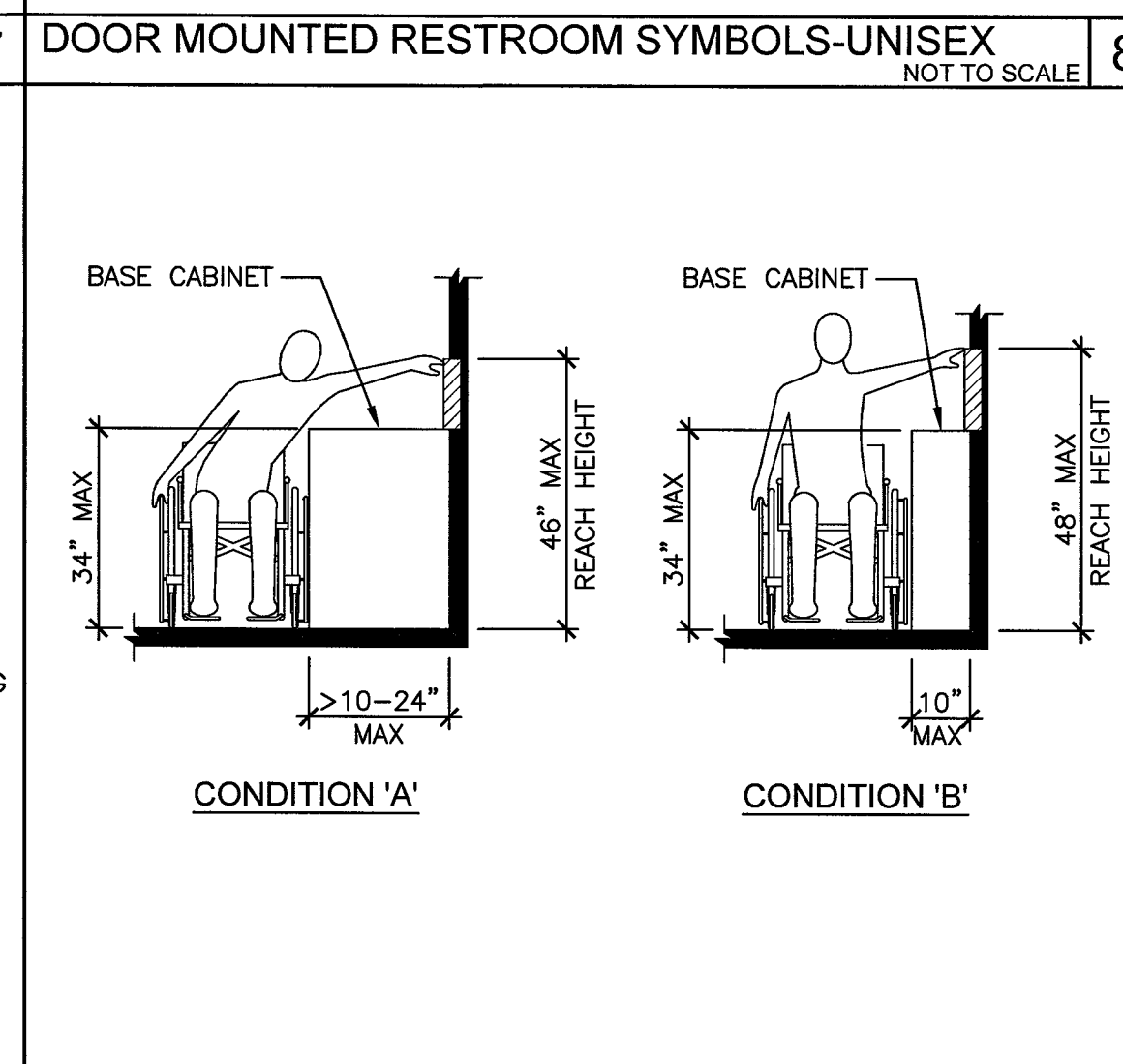
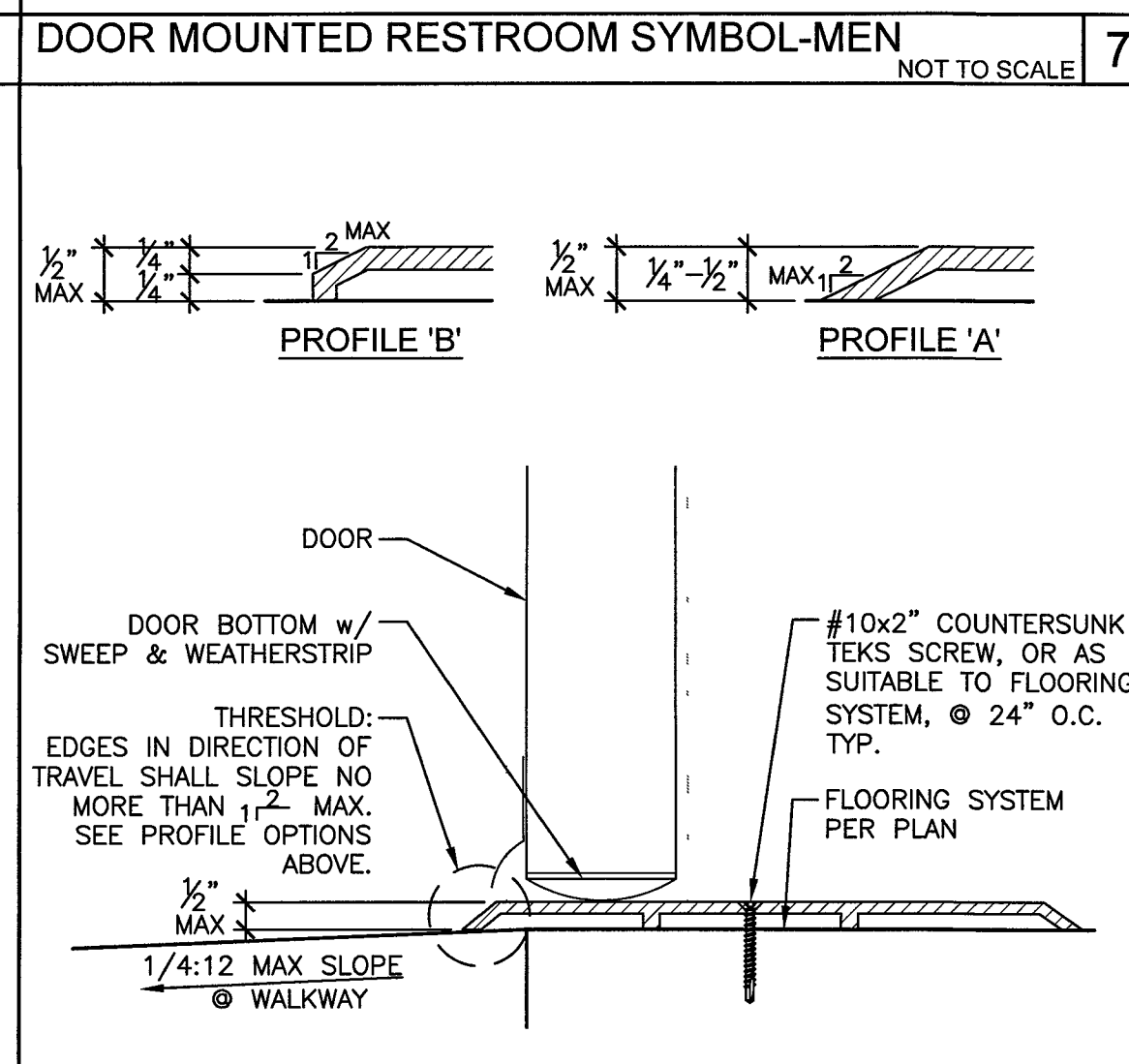
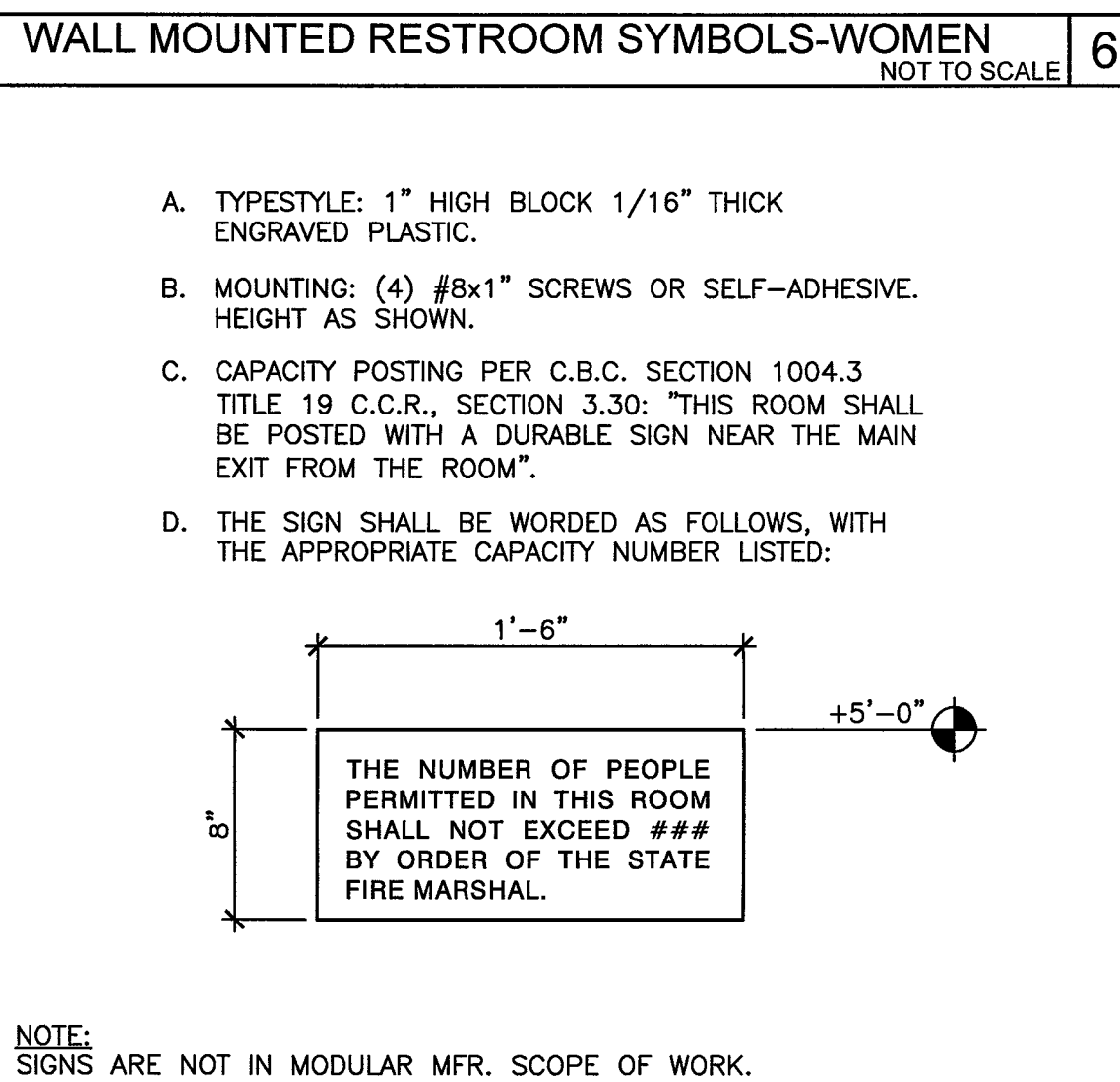
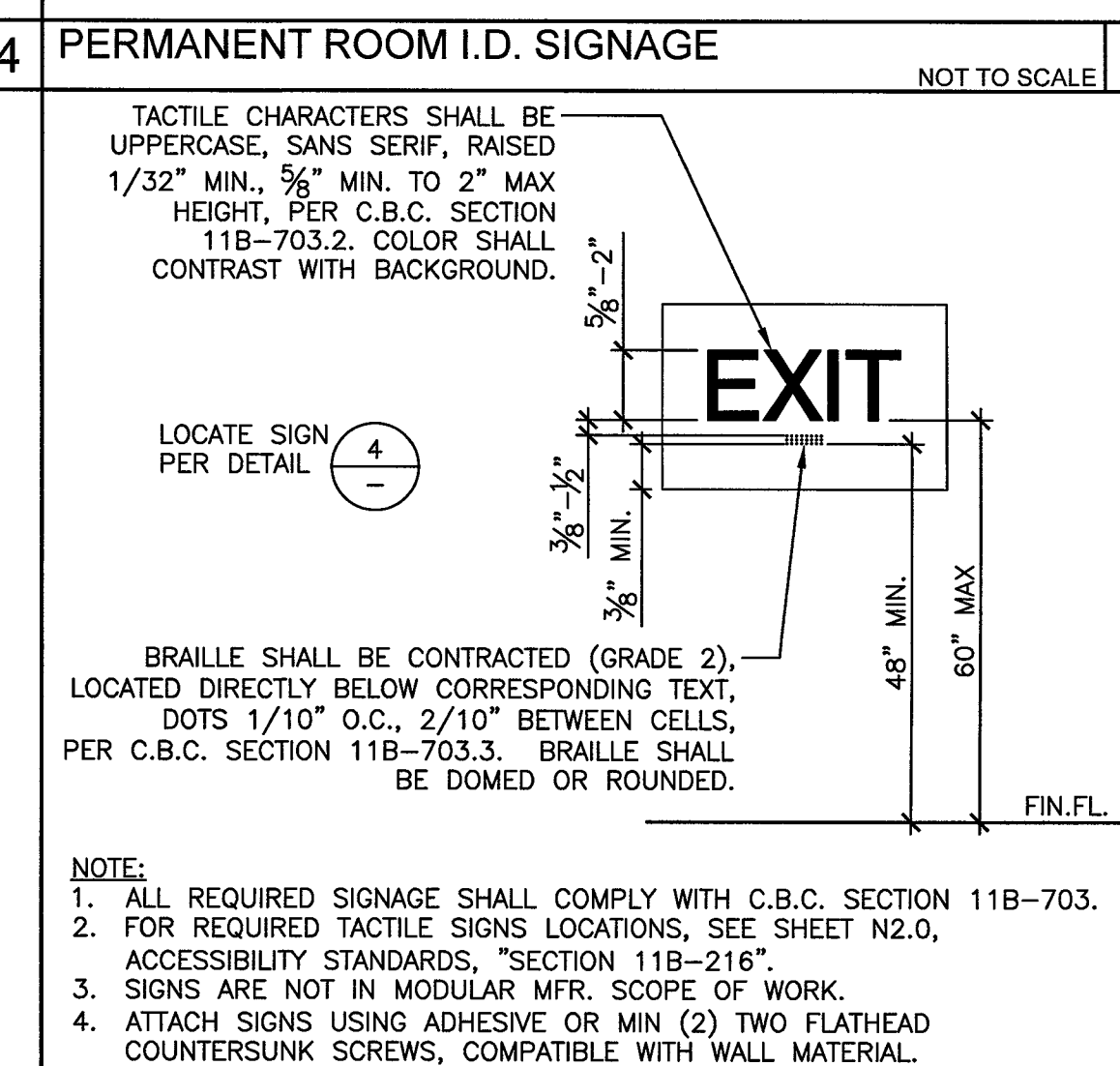
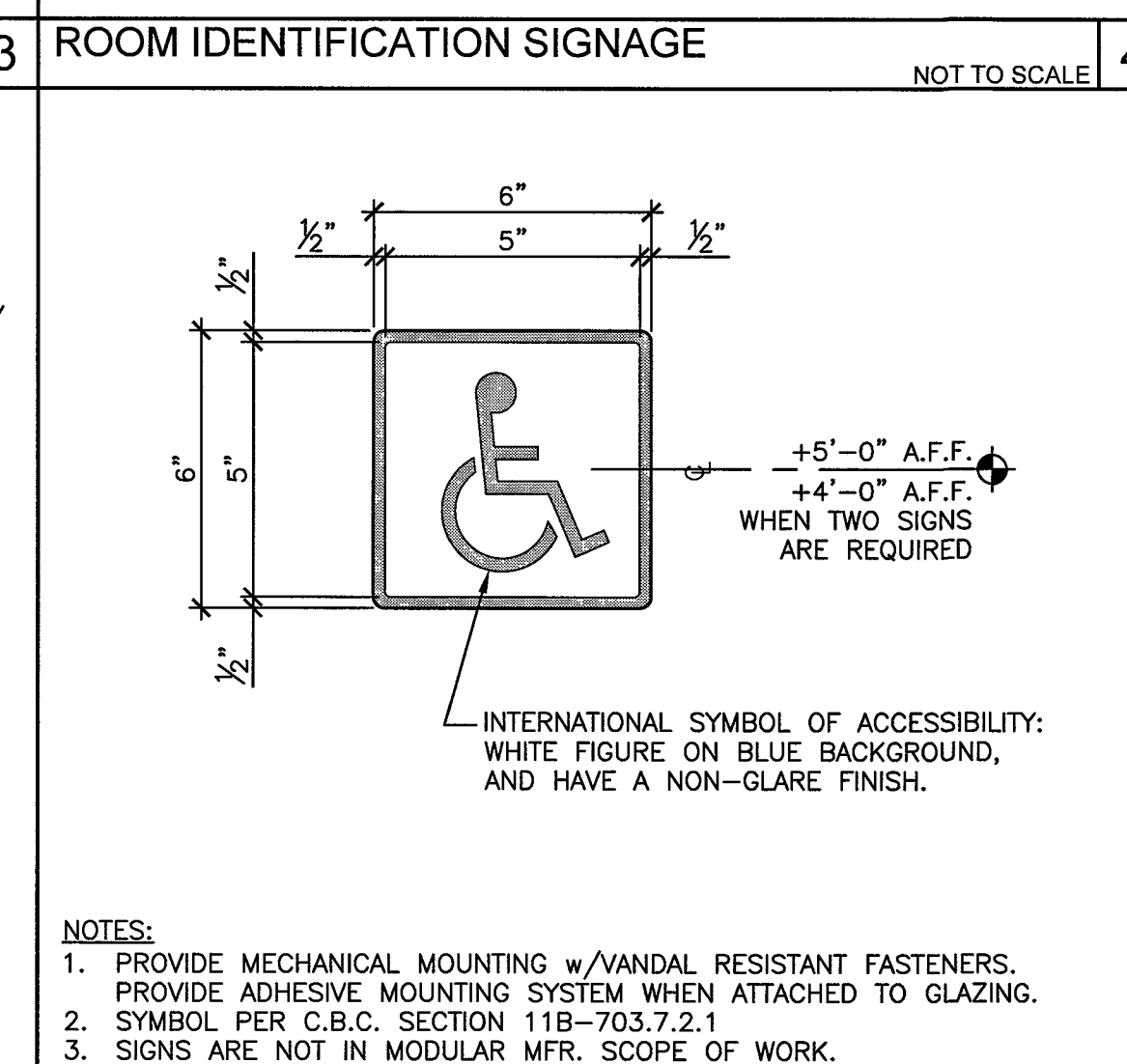
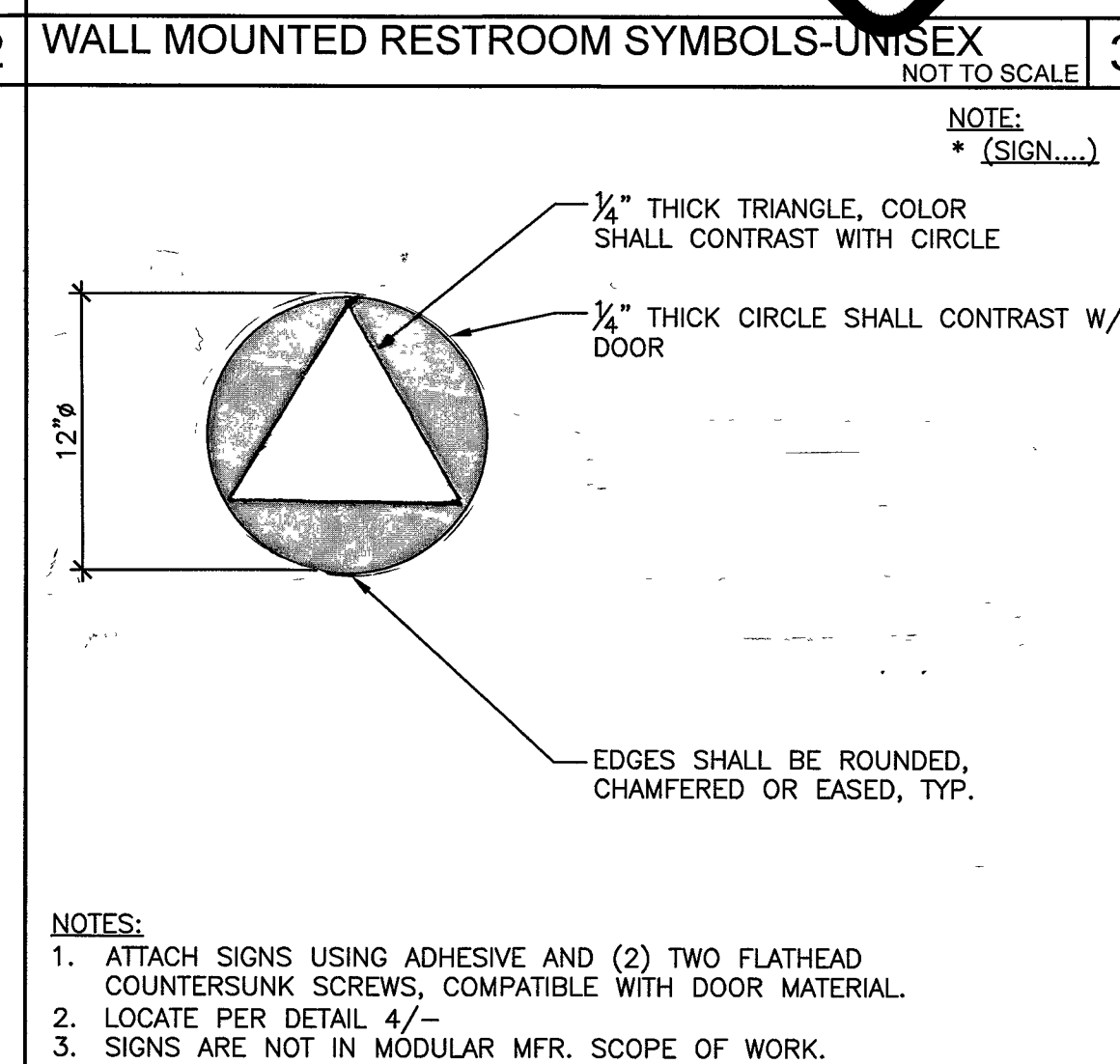
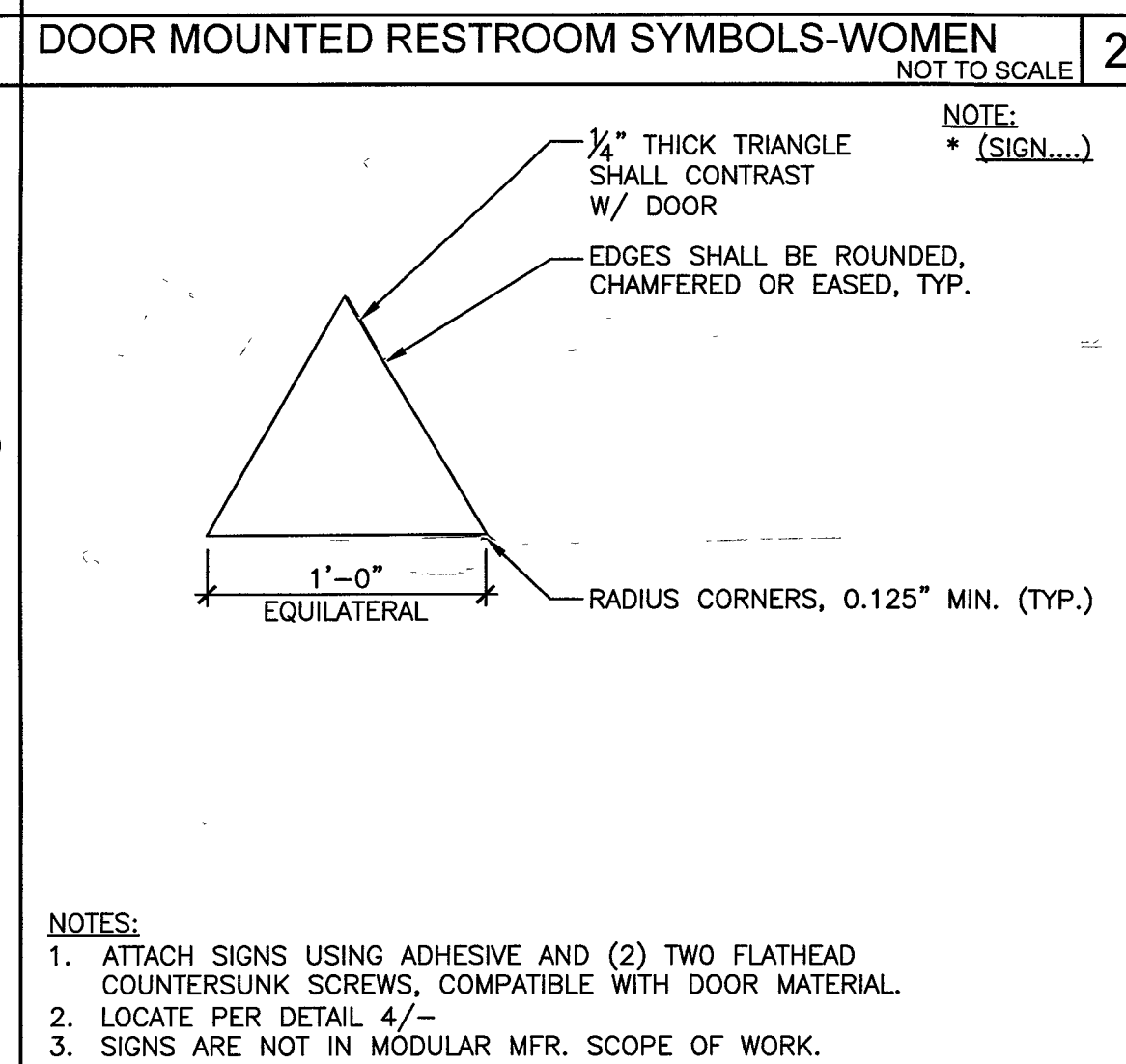
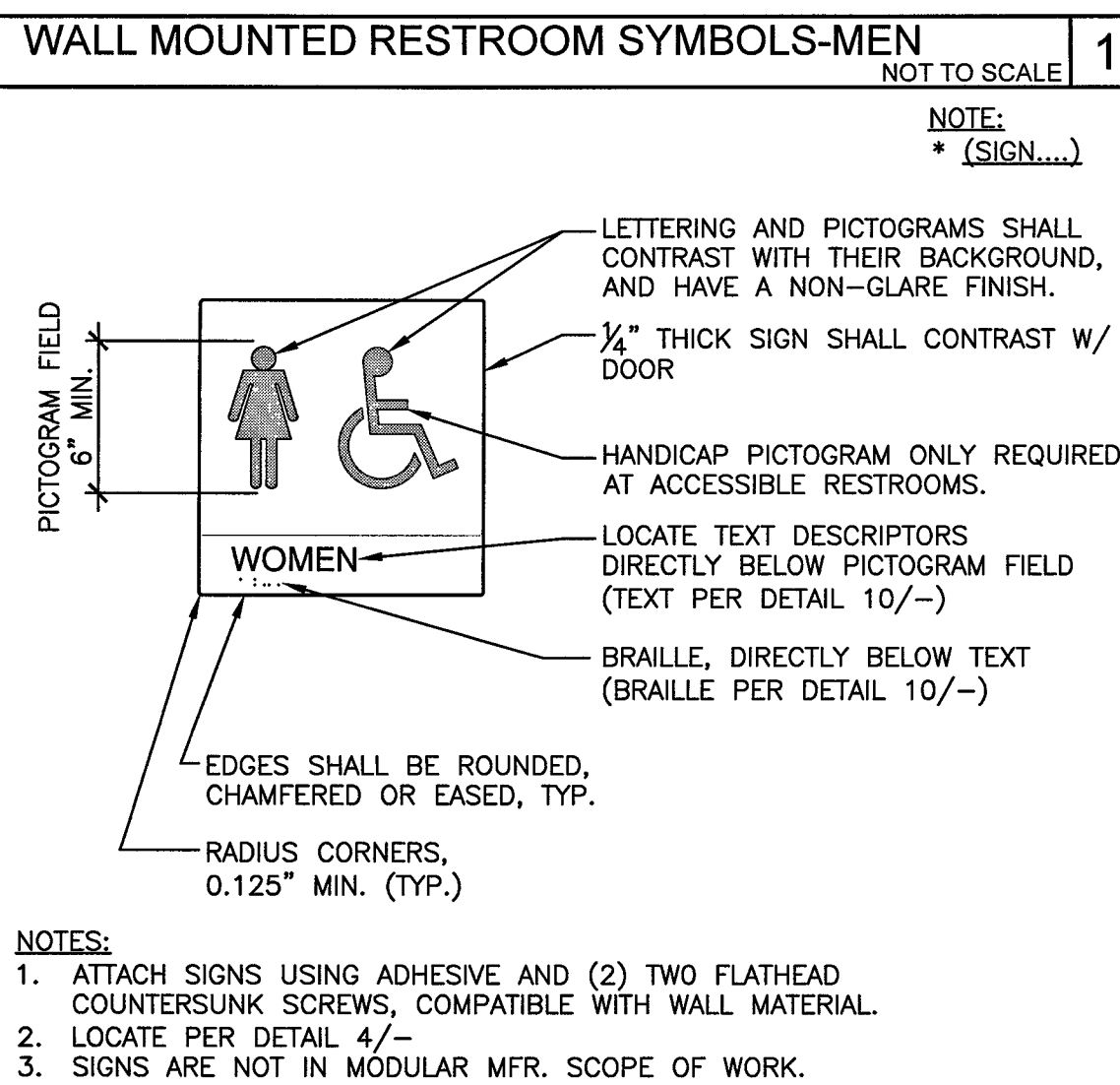
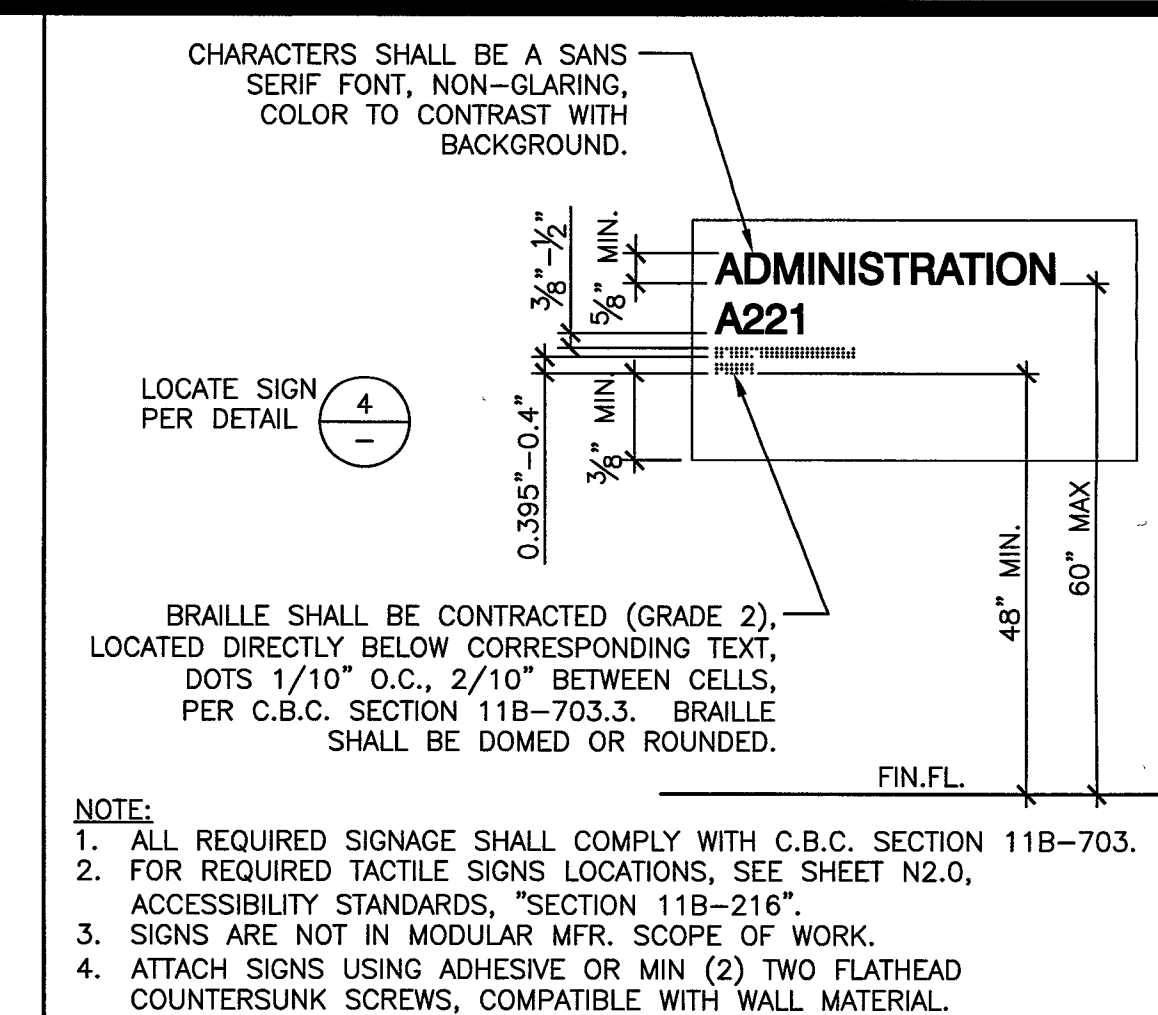
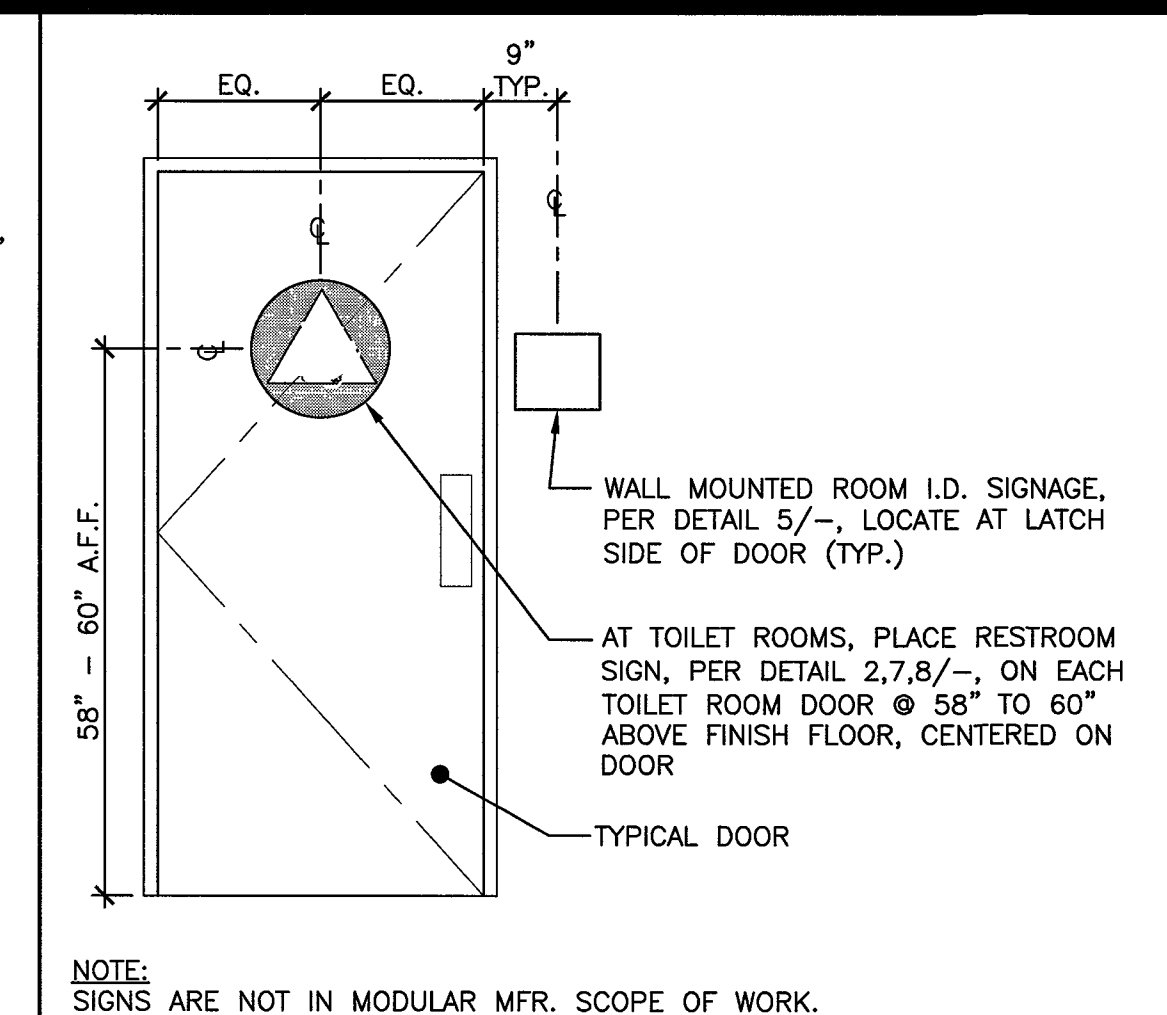
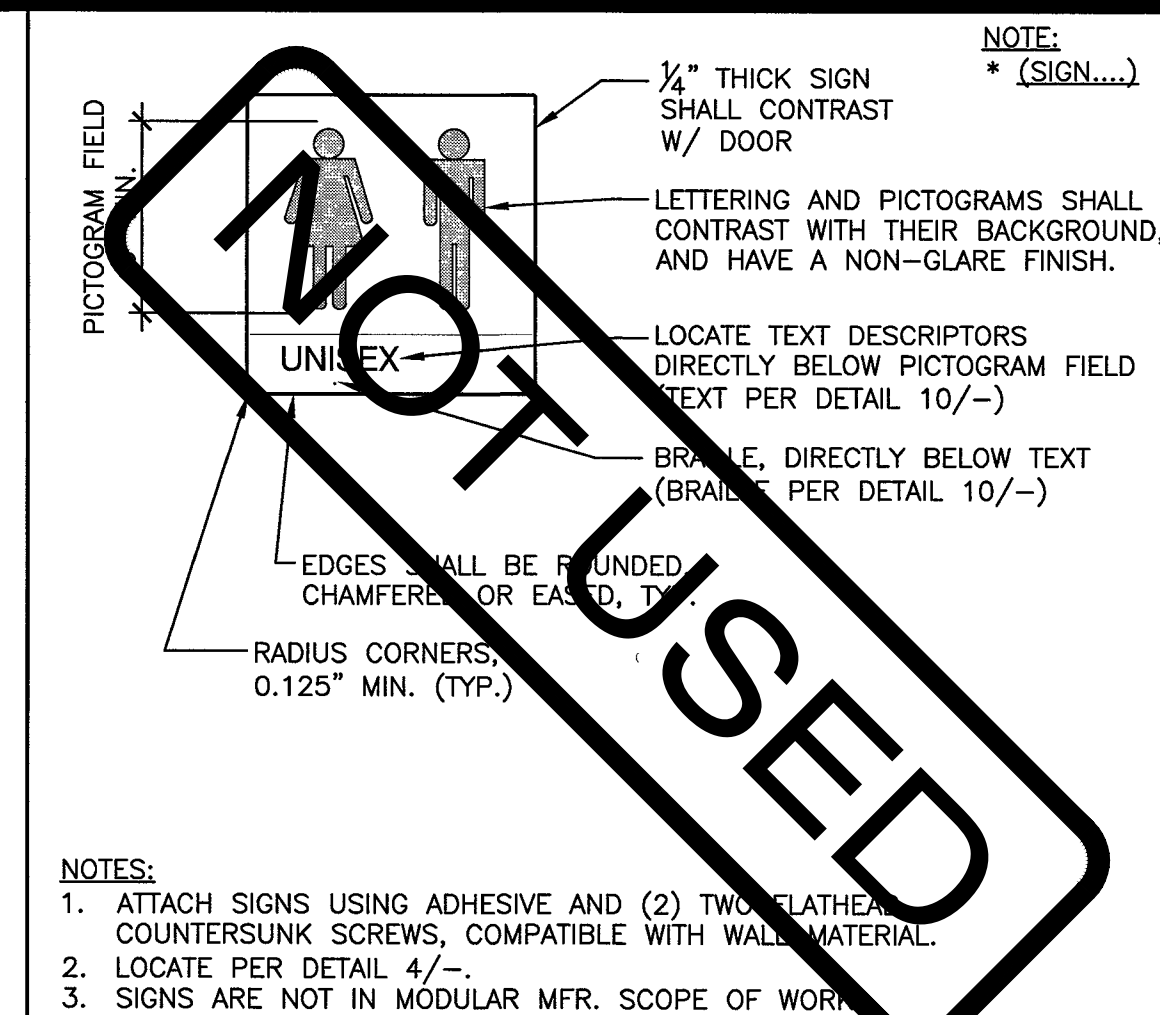
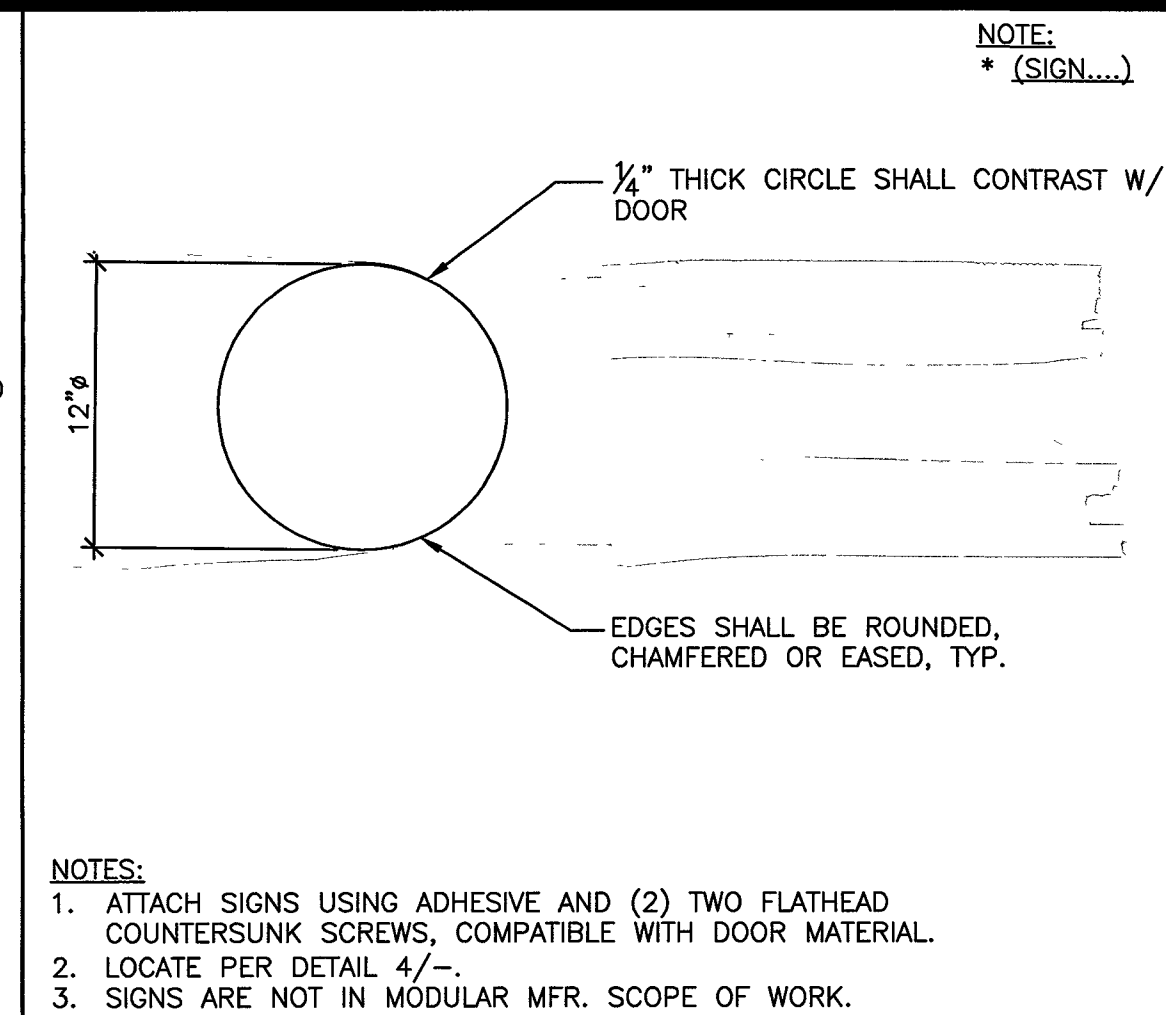
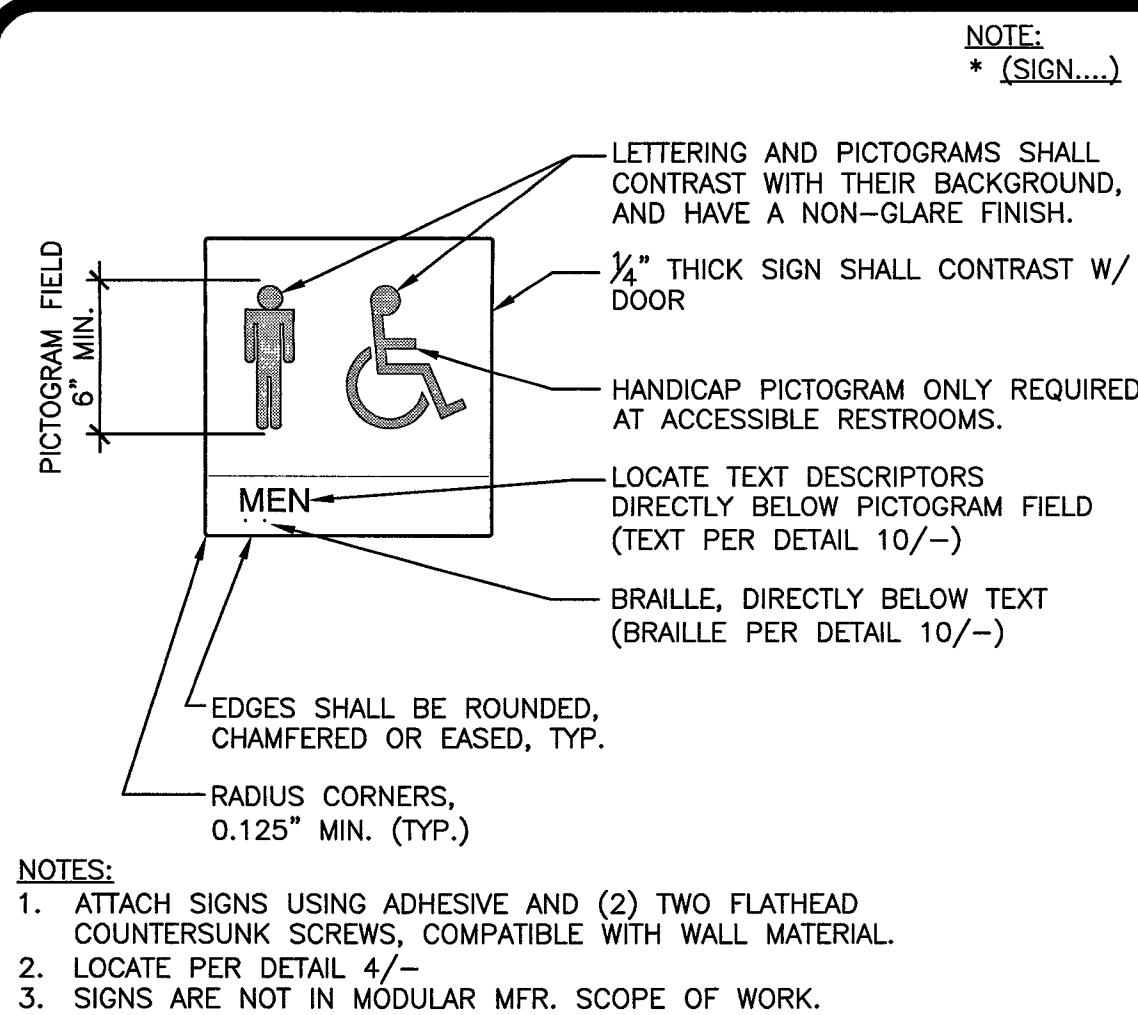
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
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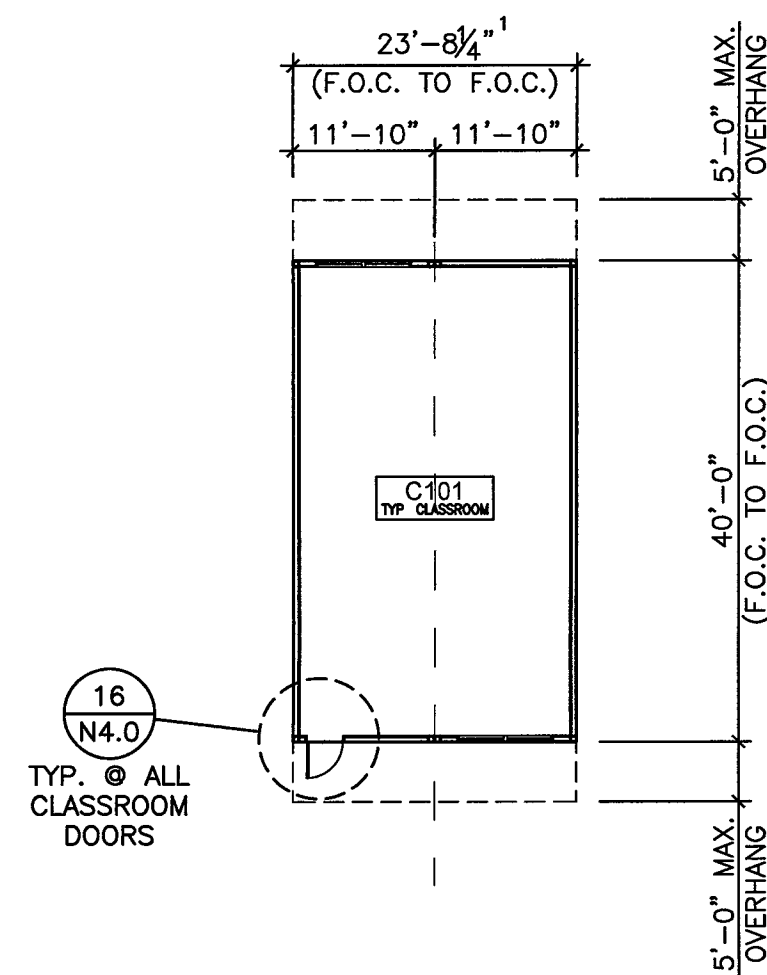
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| 5 | | <p>22'x40' THRU 120'x40'</p> <p>STANDARD MODULAR</p> <p>BUILDINGS</p> |
| | | SITE SPECIFIC PROJECT NAME |
| | | SHEET TITLE |
| | | <p>ACCESSIBILITY STANDARDS</p> <p>AND DETAILS</p> |
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| BUILDING DATA | | | | | |
|---------------|---------------------------|---------------------------|---------------------------|--|---|
| BUILDING SIZE | OVERALL SIZE ¹ | SQUARE FOOTAGE PER FLOOR* | SQ. FT. ALLOWED PER FLOOR | MAXIMUM OCCUPANT LOAD (LOAD FACTOR 20) | EGRESS INCHES REQUIRED (0.2 PER OCCUPANT) |
| 24' x 40' | 23'-8 1/4" | 947.5 | 9500 | 48 | 9 5/8" |

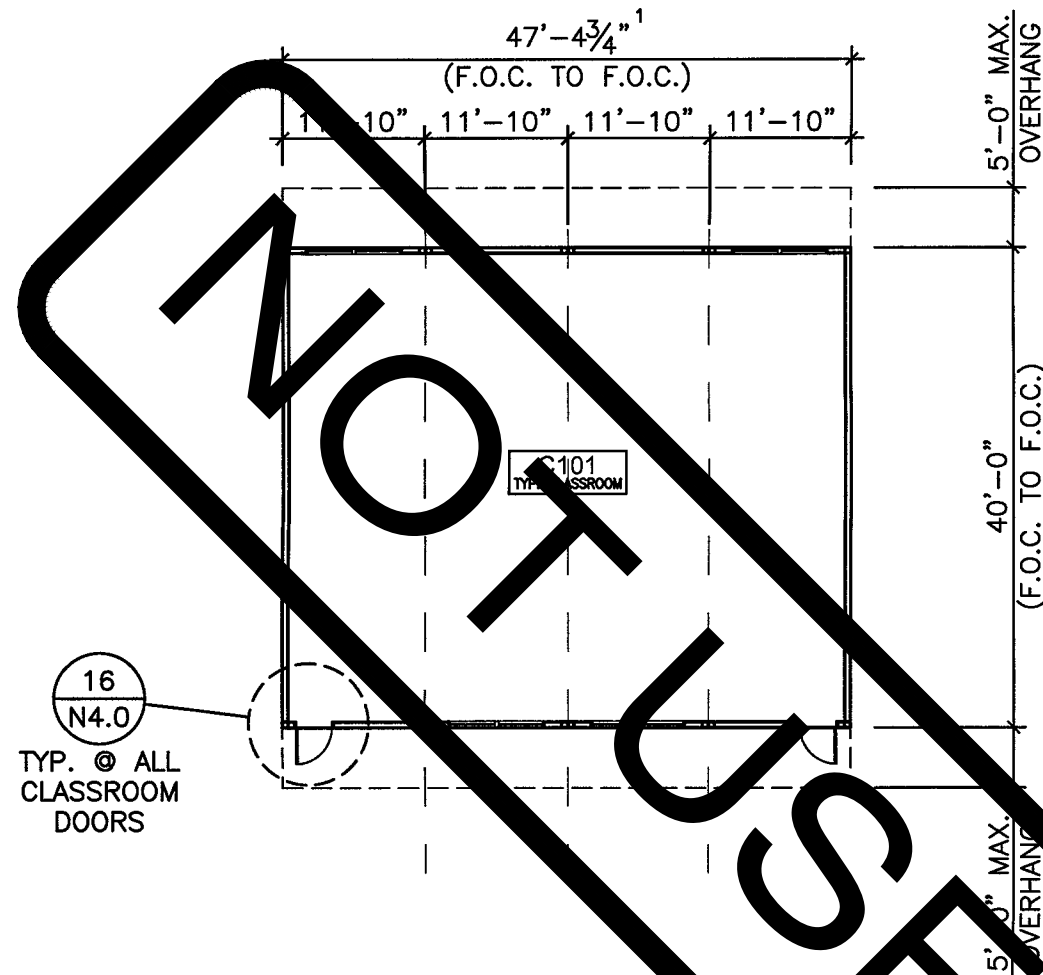
*THE BUILDING SQUARE FOOTAGE IS SUBJECT TO INCREASE AS PERMITTED BY C.B.C. SECTION 506.2 AND 506.3 SEE SHEET NOTE 2
**MINIMUM EGRESS WIDTH SHALL BE 34", OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER
1 SEE GENERAL NOTE #7

24' x 40' BUILDING FLOOR PLAN

SCALE 1/16" = 1'-0"

36' x 40' BUILDING FLOOR PLAN

SCALE 1/16" = 1'-0"



| BUILDING DATA | | | | | |
|---------------|---------------------------|---------------------------|---------------------------|--|---|
| BUILDING SIZE | OVERALL SIZE ¹ | SQUARE FOOTAGE PER FLOOR* | SQ. FT. ALLOWED PER FLOOR | MAXIMUM OCCUPANT LOAD (LOAD FACTOR 20) | EGRESS INCHES REQUIRED (0.2 PER OCCUPANT) |
| 48' x 40' | 47'-4 3/4" | 1895.8 | 9500 | 96 | 10" |

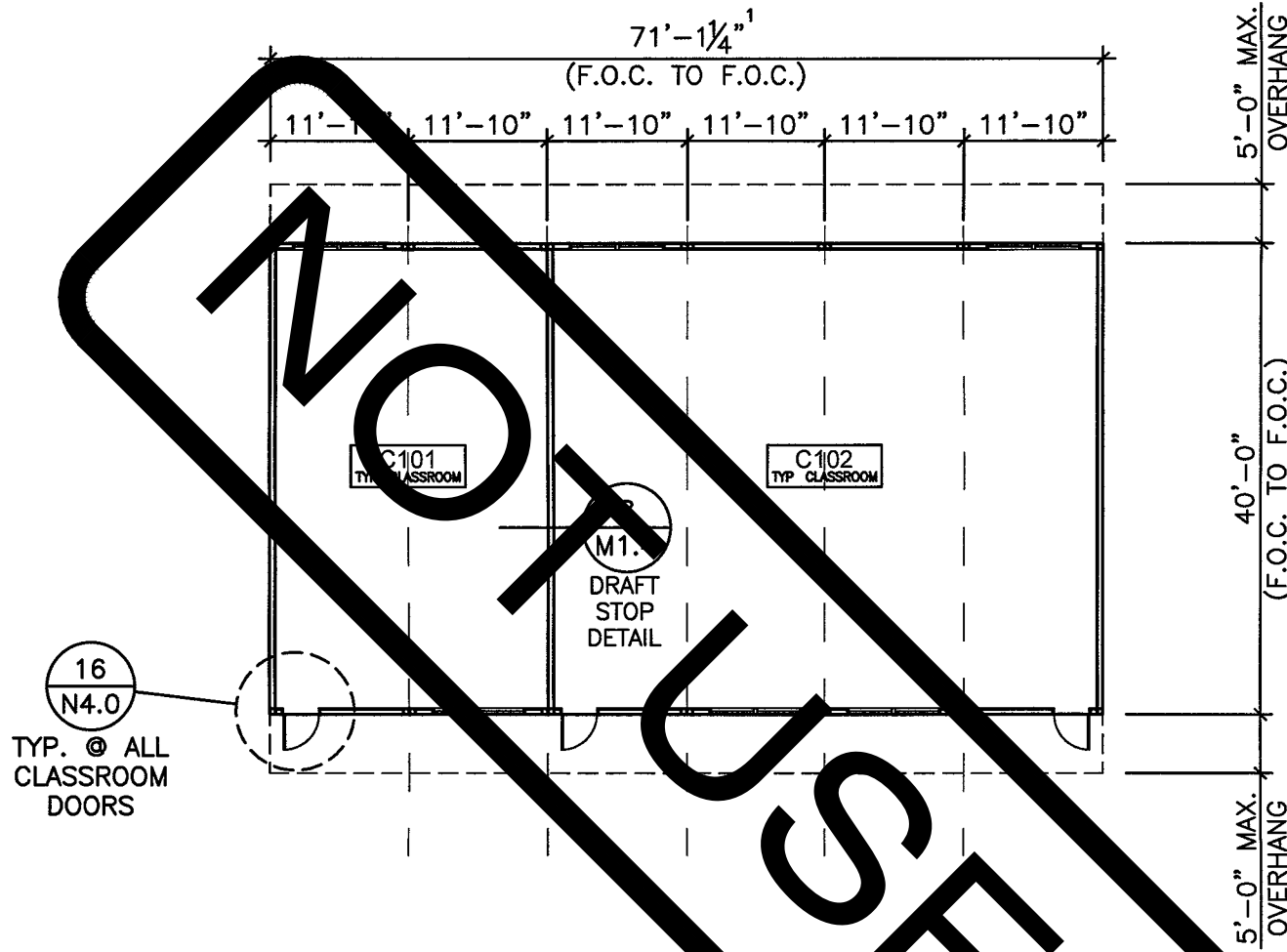
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**MINIMUM EGRESS WIDTH SHALL BE 34", OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER
1 SEE GENERAL NOTE #7

48' x 40' BUILDING FLOOR PLAN

SCALE 1/16" = 1'-0"

60' x 40' BUILDING FLOOR PLAN

SCALE 1/16" = 1'-0"



| BUILDING DATA | | | | | |
|---------------|---------------------------|---------------------------|---------------------------|--|---|
| BUILDING SIZE | OVERALL SIZE ¹ | SQUARE FOOTAGE PER FLOOR* | SQ. FT. ALLOWED PER FLOOR | MAXIMUM OCCUPANT LOAD (LOAD FACTOR 20) | EGRESS INCHES REQUIRED (0.2 PER OCCUPANT) |
| 72' x 40' | 71'-1 1/4" | 2844.1 | 9500 | 144 | 28 3/4" |

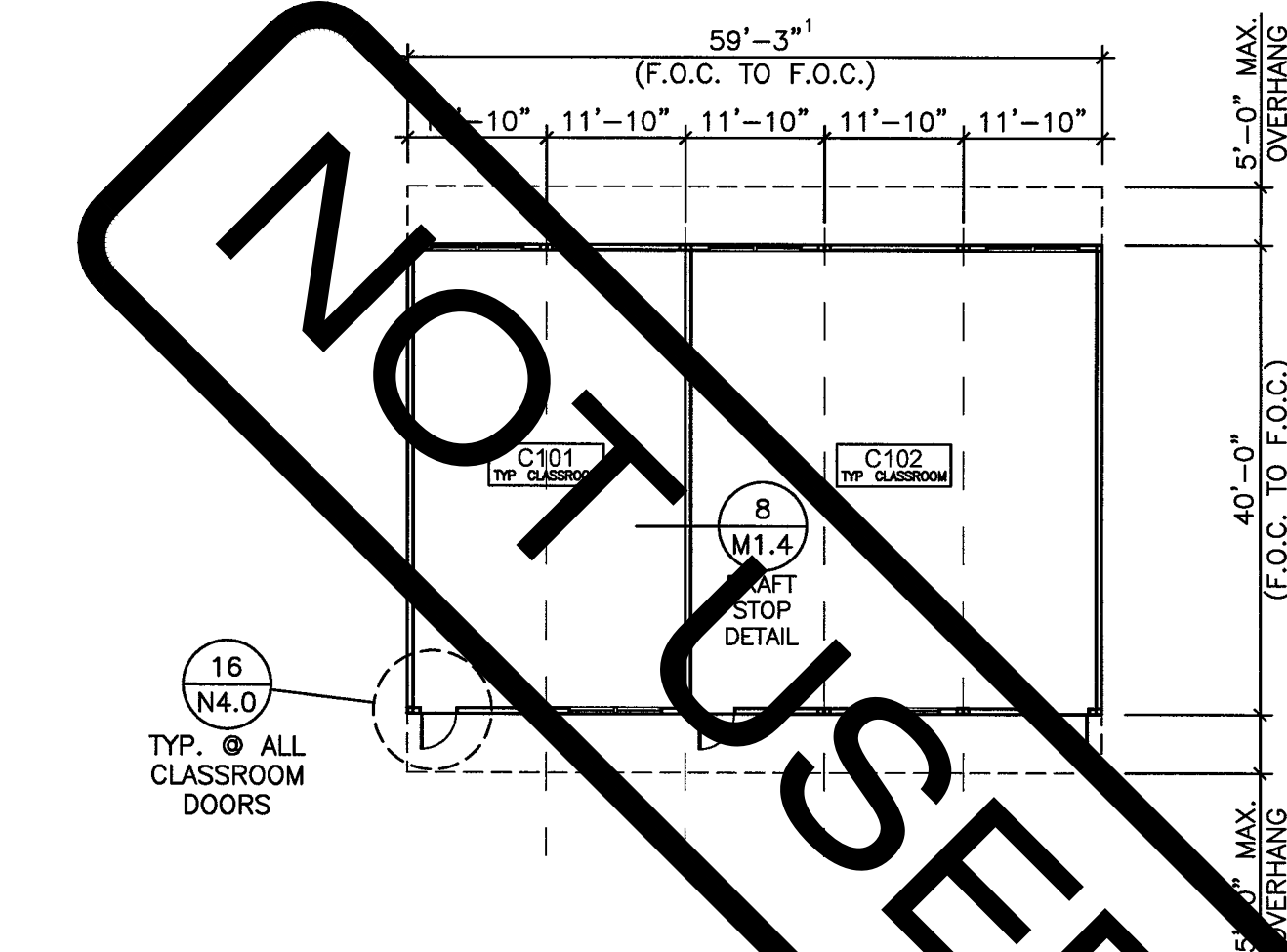
*THE BUILDING SQUARE FOOTAGE IS SUBJECT TO INCREASE AS PERMITTED BY C.B.C. SECTION 506.2 AND 506.3 SEE SHEET NOTE 2
**MINIMUM EGRESS WIDTH SHALL BE 34", OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER
1 SEE GENERAL NOTE #7

72' x 40' BUILDING FLOOR PLAN

SCALE 1/16" = 1'-0"

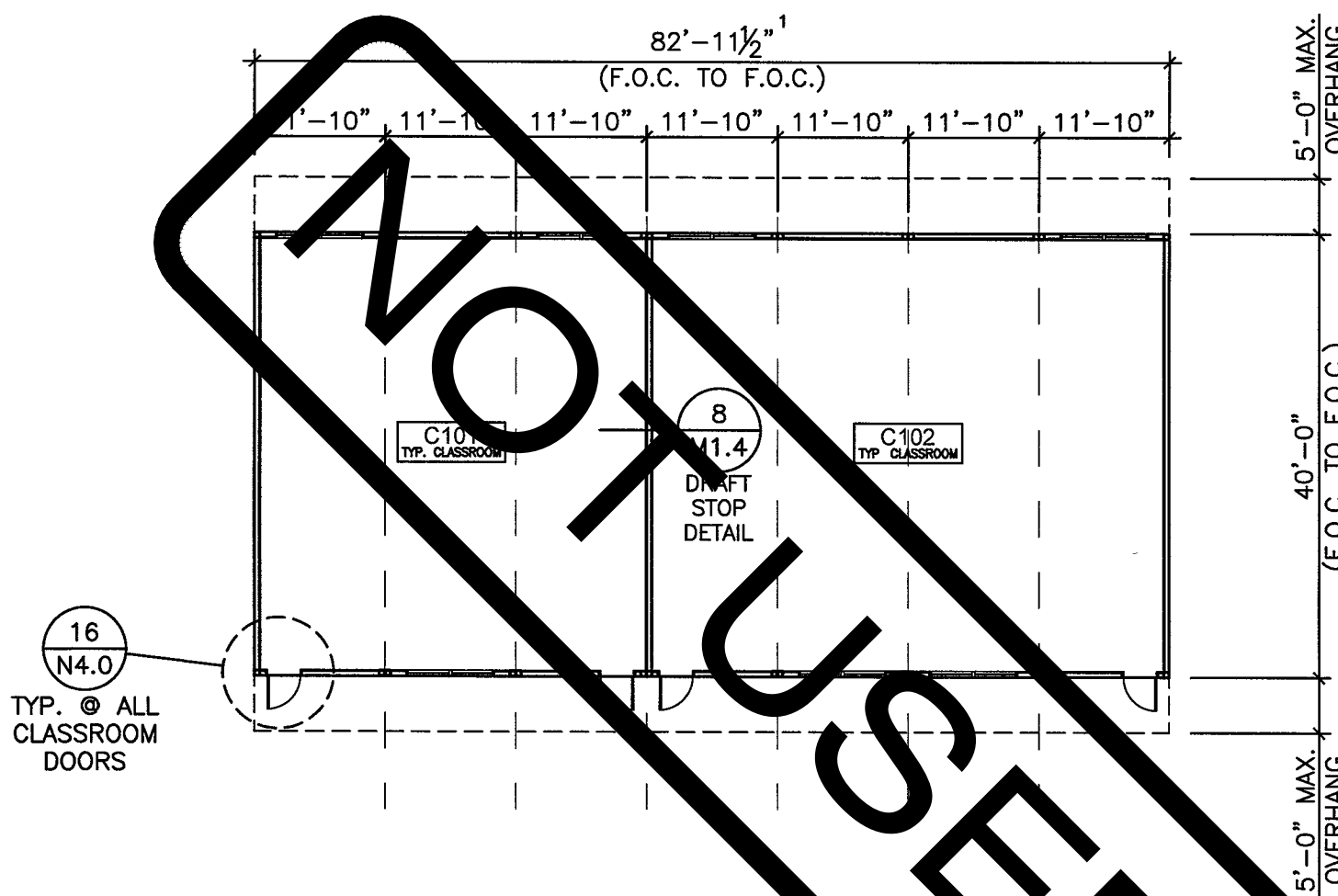
84' x 40' BUILDING FLOOR PLAN

SCALE 1/16" = 1'-0"



| BUILDING DATA | | | | | |
|---------------|---------------------------|---------------------------|---------------------------|--|---|
| BUILDING SIZE | OVERALL SIZE ¹ | SQUARE FOOTAGE PER FLOOR* | SQ. FT. ALLOWED PER FLOOR | MAXIMUM OCCUPANT LOAD (LOAD FACTOR 20) | EGRESS INCHES REQUIRED (0.2 PER OCCUPANT) |
| 60' x 40' | 59'-3" | 2370 | 9500 | 120 | 23 7/8" |

*THE BUILDING SQUARE FOOTAGE IS SUBJECT TO INCREASE AS PERMITTED BY C.B.C. SECTION 506.2 AND 506.3 SEE SHEET NOTE 2
**MINIMUM EGRESS WIDTH SHALL BE 34", OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER
1 SEE GENERAL NOTE #7



| BUILDING DATA | | | | | |
|---------------|---------------------------|---------------------------|---------------------------|--|---|
| BUILDING SIZE | OVERALL SIZE ¹ | SQUARE FOOTAGE PER FLOOR* | SQ. FT. ALLOWED PER FLOOR | MAXIMUM OCCUPANT LOAD (LOAD FACTOR 20) | EGRESS INCHES REQUIRED (0.2 PER OCCUPANT) |
| 84' x 40' | 82'-11 1/2" | 3318.3 | 9500 | 167 | 33 1/4" |

*THE BUILDING SQUARE FOOTAGE IS SUBJECT TO INCREASE AS PERMITTED BY C.B.C. SECTION 506.2 AND 506.3 SEE SHEET NOTE 2
**MINIMUM EGRESS WIDTH SHALL BE 34", OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER
1 SEE GENERAL NOTE #7

- PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER, PER CBC 10101.10.
- THE BUILDING SIZES AND SQUARE FOOTAGES REFLECTED ON THIS SHEET ARE SUBJECT TO SQUARE FOOTAGE INCREASE, AS PERMITTED BY SITE CONDITIONS, PER CBC 506.2, AND BY AUTOMATIC SPRINKLER SYSTEM, PER CBC 506.3.
- RESTROOM CONFIGURATIONS OCCUR AT OUTER WINGS OF BUILDINGS.
- SEE FOUNDATION DRAWINGS FOR TRUE DIMENSIONS AT FLOOR PLACEMENT AND OVERALL FOUNDATION SIZE.
- FOR ROOM ID SIGNAGE (N.I.C.) SEE DETAIL 5/N4.0. TYPICAL FOR ALL BUILDING CONFIGURATIONS.
- MINIMUM EGRESS REQUIRED SHALL BE 34" PER CLASSROOM OR DIMENSION SPECIFIED IN BUILDING DATA, WHICHEVER IS GREATER
- TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.0, S1.1, S1.2 & S1.3.

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.

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

INTELLECTUAL PROPERTY & PROPRIETARY RIGHTS STATEMENT

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PRE-CHECKED SET NAME

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

SITE SPECIFIC PROJECT NAME

SHEET TITLE

MULTIPLE FLOOR PLAN
CONFIGURATIONS

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

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-115700
AC ☒ FLS ☒ SS ☒
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

N5.0

GENERAL NOTES

Attachment 1
AMS PC 24'x40' PC

Performance Runs and Orientation Table

| PC Design Review Information | | | | | Title 24, Part 6, Energy Code | | | | |
|---------------------------------------|------------------------------|-----------------|-----------------------|-------------------|-------------------------------|--|--|--|--|
| Date of Title 24 Report: 2/27/2018 | | | | | DSA Application: #02-116141 | | | | |
| Model Name and Option: AMS PC 24'x40' | | | | | DSA File No: 4.800 of 4.800 | | | | |
| Total Floor Area: 960 sf | | | | | DSA-1 Submittal Date: | | | | |
| HVAC System Type: Split-DX HP | | | | | | | | | |
| Climate Zone (Reference City) | Altitude (Front Orientation) | Proposed Design | TDV - Standard Design | Compliance Margin | | | | | |
| 14 (Palmdale) | 30 | 284.9 | 329.4 | 44.5 | | | | | |
| | 75 | 289.2 | 338.2 | 49.0 | | | | | |
| | 120 | 285.5 | 333.9 | 48.4 | | | | | |
| | 165 | 277.4 | 316.1 | 38.7 | | | | | |
| | 210 | 284.1 | 325.9 | 41.8 | | | | | |
| | 255 | 288.1 | 333.7 | 45.6 | | | | | |
| | 300 | 284.7 | 330.0 | 45.2 | | | | | |
| | 345 | 277.4 | 314.1 | 36.8 | | | | | |
| | 30 | 344.8 | 372.3 | 27.4 | | | | | |
| | 75 | 348.5 | 374.9 | 26.4 | | | | | |
| 15 (Palm Springs-Int) | 30 | 344.8 | 372.3 | 27.4 | | | | | |
| | 75 | 348.5 | 374.9 | 26.4 | | | | | |
| | 120 | 346.1 | 381.3 | 35.2 | | | | | |
| | 165 | 338.1 | 368.5 | 29.7 | | | | | |
| | 210 | 343.8 | 373.5 | 29.7 | | | | | |
| | 255 | 347.8 | 382.1 | 34.3 | | | | | |
| | 300 | 346.0 | 375.7 | 29.7 | | | | | |
| | 345 | 338.7 | 369.0 | 30.3 | | | | | |
| | 30 | 235.0 | 268.4 | 33.4 | | | | | |
| | 75 | 239.3 | 268.6 | 29.3 | | | | | |
| 16 (Blue Canyon) | 30 | 235.0 | 268.4 | 33.4 | | | | | |
| | 75 | 239.3 | 268.6 | 29.3 | | | | | |
| | 120 | 227.8 | 260.3 | 32.5 | | | | | |
| | 165 | 227.8 | 260.3 | 32.5 | | | | | |
| | 210 | 234.3 | 302.1 | 67.8 | | | | | |
| | 255 | 238.0 | 310.9 | 72.9 | | | | | |
| | 300 | 234.3 | 301.5 | 67.2 | | | | | |
| | 345 | 227.4 | 279.5 | 52.1 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Comments to DSA: (Explain why this Model Name and Option generates the smallest compliance margins)

Windows increases heating or cooling load due to orientation

Attachment 1
AMS PC 120'x40' PC

Performance Runs and Orientation Table

| PC Design Review Information | | | | | Title 24, Part 6, Energy Code | | | | |
|--|------------------------------|-----------------|-----------------------|-------------------|-------------------------------|--|--|--|--|
| Date of Title 24 Report: 2/27/2018 | | | | | DSA Application: #02-115700 | | | | |
| Model Name and Option: AMS PC 120'x40' | | | | | DSA File No: 4.800 of 4.800 | | | | |
| Total Floor Area: 4,800 sf | | | | | DSA-1 Submittal Date: | | | | |
| HVAC System Type: Split-DX HP | | | | | | | | | |
| Climate Zone (Reference City) | Altitude (Front Orientation) | Proposed Design | TDV - Standard Design | Compliance Margin | | | | | |
| 14 (Palmdale) | 30 | 275.7 | 312.2 | 36.5 | | | | | |
| | 75 | 282.1 | 323.8 | 41.5 | | | | | |
| | 120 | 276.8 | 316.2 | 39.3 | | | | | |
| | 165 | 265.7 | 292.1 | 26.4 | | | | | |
| | 210 | 278.4 | 311.3 | 32.9 | | | | | |
| | 255 | 283.1 | 323.7 | 40.6 | | | | | |
| | 300 | 277.5 | 316.3 | 38.8 | | | | | |
| | 345 | 266.6 | 292.1 | 25.4 | | | | | |
| | 30 | 333.5 | 358.8 | 24.7 | | | | | |
| | 75 | 339.9 | 370.4 | 30.5 | | | | | |
| 15 (Palm Springs-Int) | 30 | 333.5 | 358.8 | 24.7 | | | | | |
| | 75 | 339.9 | 370.4 | 30.5 | | | | | |
| | 120 | 337.1 | 381.2 | 44.1 | | | | | |
| | 165 | 327.8 | 343.3 | 15.5 | | | | | |
| | 210 | 344.4 | 358.1 | 13.7 | | | | | |
| | 255 | 340.7 | 371.6 | 30.9 | | | | | |
| | 300 | 337.1 | 362.2 | 25.1 | | | | | |
| | 345 | 327.2 | 342.4 | 15.2 | | | | | |
| | 30 | 259.6 | 288.4 | 28.8 | | | | | |
| | 75 | 265.7 | 288.9 | 23.2 | | | | | |
| 16 (Blue Canyon) | 30 | 259.6 | 288.4 | 28.8 | | | | | |
| | 75 | 265.7 | 288.9 | 23.2 | | | | | |
| | 120 | 260.2 | 268.1 | 8.0 | | | | | |
| | 165 | 251.1 | 262.9 | 11.8 | | | | | |
| | 210 | 260.1 | 266.9 | 6.8 | | | | | |
| | 255 | 261.6 | 263.7 | 2.1 | | | | | |
| | 300 | 260.8 | 267.4 | 6.6 | | | | | |
| | 345 | 251.2 | 262.8 | 11.5 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Comments to DSA: (Explain why this Model Name and Option generates the smallest compliance margins)

Windows increases heating or cooling load due to orientation

| | | | | | |
|--|--------------------------|--|------------------------------|---------------------------------|--|
| Project Name: AMS Modular Classroom 24x40 | | NRCC-PHF-01-E | | Page 1 of 18 | |
| Project Address: Palmdale | | Calculation Date/Time: 09/03, Tue, Feb 27, 2018 | | | |
| Compliance Scope: New/Complete | | Input File Name: AMS 24x40 for DSA - C214 (B).cbls16 | | | |
| A. PROJECT GENERAL INFORMATION | | | | | |
| 1. Project Location (city) | Palmdale | 8. Standards Version | Compliance 2018 | | |
| 2. CA Zoning Code | 14 | 9. Compliance Software (version) | CHCC-Com 2018.3.0 SP1 | | |
| 3. Climate Zone | 14 | 10. Weather File | WeatherFile_21x20_022018.dpw | | |
| 4. Total Unconditioned Floor Area in Scope | 960 ft ² | 11. Building Orientation (deg) | (N) 345 deg | | |
| 5. Total Unconditioned Floor Area | 0 ft ² | 12. Permitted Scope of Work | New/Complete | | |
| 6. Total # of dwelling units | 0 | 13. Building Type(s) | Nonresidential | | |
| 7. Total # of dwelling units | 0 | 14. Unit Type | Modular Unit | | |
| B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kWh/ft²-yr) | | | | | |
| BUILDING COMPLEXES | | | | | |
| 1. Energy Component | 2. Standard Design (TDV) | 3. Proposed Design (TDV) | 4. Compliance Margin (TDV) | 5. Percent Better than Standard | |
| Space Heating | 21.04 | 46.40 | -24.72 | -114.0% | |
| Space Cooling | 128.39 | 253.43 | -125.04 | -97.0% | |
| Indoor Fans | 109.08 | 43.74 | 65.34 | 59.9% | |
| Heat Recovery | - | - | - | - | |
| Pumps & Misc. | - | - | - | - | |
| Domestic Hot Water | 8.40 | 8.40 | 0.00 | 0.0% | |
| Unvented Hot Water | 45.63 | 24.35 | 21.25 | 46.6% | |
| COMPLIANCE TOTAL | 314.53 | 277.58 | 36.97 | 11.7% | |
| Receptacle | 64.30 | 64.30 | 0.00 | 0.0% | |
| Process | - | - | - | - | |
| Process Unit | - | - | - | - | |
| Process Unit | - | - | - | - | |
| TOTAL | 318.46 | 341.48 | -23.02 | -7.2% | |

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

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| | | | | | |
|--|--|--|--|--------------------------|--|
| Project Name: AMS Modular Classroom 24x40 | | NRCC-PHF-01-E | | Page 2 of 18 | |
| Project Address: Palmdale | | Calculation Date/Time: 09/03, Tue, Feb 27, 2018 | | 09/03, Tue, Feb 27, 2018 | |
| Compliance Scope: New/Complete | | Input File Name: AMS 24x40 for DSA - C214 (B).cbls16 | | | |
| C. PRIORITY PLAN CHECK/ INSPECTION ITEMS (in order of highest to lowest TDV energy savings) | | | | | |
| 1st Indoor Fans: Check envelope and mechanical | | Compliance Margin by Energy Component (from Table B columns 4) Indoor Fans Indoor Lighting Heat Recovery Pumps & Misc. Domestic Hot Water Space Heating Space Cooling Penalty Energy Credits | | | |
| 2nd Indoor Lighting: Check lighting | | | | | |
| 3rd Heat Recovery: Check envelope and mechanical | | | | | |
| 4th Pumps & Misc.: Check mechanical | | | | | |
| 5th Domestic Hot Water: Check mechanical | | | | | |
| 6th Space Heating: Check envelope and mechanical | | | | | |
| 7th Space Cooling: Check envelope and mechanical | | | | | |
| 8th | | | | | |
| D. EXCEPTIONAL CONDITIONS | | | | | |
| This 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 ECFRAME per CEC guidance; U-value = 0.070 | | | | | |

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| | | | | |
|---|--|--|------------------------|--------------------------------------|
| Project Name: | | AMS Modular Classroom 24x40 | NRCC-PHF-01-E | Page 3 of 18 |
| Project Address: | | Palmdale | Calculation Date/Time: | 09/03, Tue, Feb 27, 2018 |
| Compliance Scope: | | New/Complete | Input File Name: | AMS 24x40 for DSA - C214 (B).cbls16 |
| G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY | | | | |
| Identify which building components use the performance or prescriptive path for compliance. "NA" and "N/A" not in project | | | | |
| For components that utilize the performance path, indicate the sheet number that includes mandatory notes on plans. | | | | |
| Building Component | Compliance Path | Compliance Forms (Required for submittal) | | Location of Mandatory Notes on Plans |
| Envelope | <input checked="" type="checkbox"/> Performance | NRCC-PHF-ENV-DETAILS (section of the NRCC-PHF-01-E) | | ML7 |
| | <input checked="" type="checkbox"/> Prescriptive | NRCC-ENV-01 / 02 / 03 / 04 / 05 / 06-E | | |
| | <input checked="" type="checkbox"/> NA | | | |
| Mechanical | <input checked="" type="checkbox"/> Performance | NRCC-PHF-MECH-DETAILS (section of the NRCC-PHF-01-E) | | ML7 |
| | <input checked="" type="checkbox"/> Prescriptive | NRCC-MECH-01 / 03 / 03 / 04 / 05 / 06 / 07-E | | |
| | <input checked="" type="checkbox"/> NA | | | |
| Domestic Hot Water | <input checked="" type="checkbox"/> Performance | NRCC-PHF-PUB-DETAILS (section of the NRCC-PHF-01-E) | | PL0 |
| | <input checked="" type="checkbox"/> Prescriptive | NRCC-PUB-01-E | | |
| | <input checked="" type="checkbox"/> NA | | | |
| Lighting (Indoor Conditioned) | <input checked="" type="checkbox"/> Performance | NRCC-PHF-LT-DETAILS (section of the NRCC-PHF-01-E) | | EL0 |
| | <input checked="" type="checkbox"/> Prescriptive | NRCC-LT-01 / 03 / 04 / 05-E | | |
| | <input checked="" type="checkbox"/> NA | | | |
| Covered Process, Commercial (Kitchen) | <input checked="" type="checkbox"/> Performance | 52 (section of the NRCC-PHF-01-E) | | |
| | <input checked="" type="checkbox"/> Prescriptive | NRCC-PHC-01J GSE-E | | |
| | <input checked="" type="checkbox"/> NA | | | |
| Covered Process, Computer Rooms | <input checked="" type="checkbox"/> Performance | 53 (section of the NRCC-PHF-01-E) | | |
| | <input checked="" type="checkbox"/> Prescriptive | NRCC-PHC-01J GSE-E | | |
| | <input checked="" type="checkbox"/> NA | | | |
| Covered Process, Laboratory Exhaust | <input checked="" type="checkbox"/> Performance | 54 (section of the NRCC-PHF-01-E) | | |
| | <input checked="" type="checkbox"/> Prescriptive | NRCC-PHC-01J GSE-E | | |
| | <input checked="" type="checkbox"/> NA | | | |

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15. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCPP-LTI-01-01)
15.1 COVERED PROCESS SUMMARY - ENCLOSED PARKING GARAGES
15.2 COVERED PROCESS SUMMARY - COMMERCIAL KITCHENS
15.3 COVERED PROCESS SUMMARY - COMPUTER ROOMS
15.4 COVERED PROCESS SUMMARY - LABORATORY EXHAUSTS
15.5 UNMET LOAD HOURS
15.6 ENERGY USE SUMMARY

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NRCPP-MCH-MCH-01-01-01 SECTION START
A. MECHANICAL VENTILATION AND REHEAT (Adapted from NRCPP-MCH-01-01-01)
B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY
C. ADDITIONAL FAN SUMMARY
D. CHW EQUIPMENT SUMMARY
E. MULTI-FAMILY CENTRAL CHW SYSTEM DETAILS

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Input File Name: AMS 120x40 for DSA - C214 (B).csh16

A. PROJECT GENERAL INFORMATION
B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDD Energy Use, kWh/ft²-yr)
1. Energy Component
2. Standard Design (TDD)
3. Proposed Design (TDD)
4. Compliance Margin (TDD)
5. Percent Better than Standard

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCPP/MCH/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, H, and I in MCH and L1 Details Sections for Acceptance Tests and forms by equipment.

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I. ENERGY USE SUMMARY
Energy Component
Standard Design Site (kWh/ft²-yr)
Proposed Design Site (kWh/ft²-yr)
Margin (kWh/ft²-yr)

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Project Name: AMS Modular Classroom 24x40
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F. SOLAR HOT WATER HEATING SUMMARY (Adapted from NRCPP-SH01)
G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS (Adapted from 2016-NRCPP-MCH-01-01)
H. EVAPORATIVE COOLER SUMMARY
I. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCPP-LTI-01-01-01)
J. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDD Energy Use, kWh/ft²-yr)

Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
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C. PRIORITY PLAN CHECK/ INSPECTION ITEMS (in order of highest to lowest TDD energy savings)
D. EXCEPTIONAL CONDITIONS
E. HERS VERIFICATION
F. ADDITIONAL REMARKS

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCPP/MCH/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, H, and I in MCH and L1 Details Sections for Acceptance Tests and forms by equipment.

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DOCUMENTATION AUTHORITY'S DECLARATION STATEMENT
RESPONSIBLE PERSON'S DECLARATION STATEMENT
RESPONSIBLE ENVELOPE DESIGNER NAME: Randall P. Cavanagh
RESPONSIBLE MECHANICAL DESIGNER NAME: Randall P. Cavanagh

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I. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCPP-LTI-01-01-01)
J. TAILORED METHOD CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRCPP-LTI-01-01-01)
K. GENERAL LIGHTING POWER (Adapted from NRCPP-LTI-01-01-01)
L. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS (Adapted from NRCPP-LTI-01-01-01)
M. ROOM CAVITY RATIO (Adapted from NRCPP-LTI-01-01-01)

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G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY
H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCPP/MCH/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, H, and I in MCH and L1 Details Sections for Acceptance Tests and forms by equipment.

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Project Name: AMS Modular Classroom 120x40
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Calculation Date/Time: 09-03, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C214 (B).csh16

H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCPP/MCH/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, H, and I in MCH and L1 Details Sections for Acceptance Tests and forms by equipment.

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCPP-PF-01-E-12200178-5302
Report Generated at: 2018-02-27 09:13:10

Project Name: AMS Modular Classroom 24x40
Project Address: Palmdale
Compliance Scope: New/Complete
NRCPP-PF-01-E Page 14 of 18
Calculation Date/Time: 09-03, Tue, Feb 27, 2018
Input File Name: AMS 24x40 for DSA - C214 (B).csh16

NRCPP-PF-ENV-DETAILS - SECTION START
A. OPaque SURFACE ASSEMBLY DETAILS
B. OVERHANG DETAILS (Adapted from NRCPP-ENV-02-01)
C. Opaque DOOR SUMMARY

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCPP-PF-01-E-12200178-5302
Report Generated at: 2018-02-27 09:03:27

Project Name: AMS Modular Classroom 24x40
Project Address: Palmdale
Compliance Scope: New/Complete
NRCPP-PF-01-E Page 16 of 18
Calculation Date/Time: 09-03, Tue, Feb 27, 2018
Input File Name: AMS 24x40 for DSA - C214 (B).csh16

G. ADDITIONAL "USE IT OR LOSE IT" (Adapted from NRCPP-LTI-01-01-01)
H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCPP-LTI-01-01-01 and NRCPP-LTI-01-01-01)
I. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCPP-LTI-01-01-01 and NRCPP-LTI-01-01-01)

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCPP-PF-01-E-12200178-5302
Report Generated at: 2018-02-27 09:03:27

Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
NRCPP-PF-01-E Page 4 of 19
Calculation Date/Time: 09-03, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C214 (B).csh16

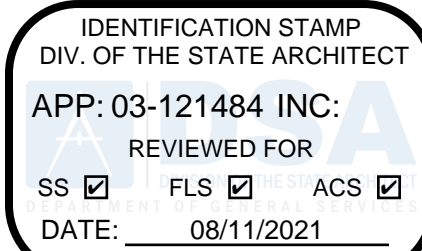
G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY
H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCPP/MCH/NRCV) - Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for field inspector to verify). See Tables G, H, and I in MCH and L1 Details Sections for Acceptance Tests and forms by equipment.

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCPP-PF-01-E-12200178-5302
Report Generated at: 2018-02-27 09:13:10

Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
NRCPP-PF-01-E Page 8 of 19
Calculation Date/Time: 09-03, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C214 (B).csh16

I. FENESTRATION ASSEMBLY SUMMARY
J. Opaque SURFACE ASSEMBLY SUMMARY
K. ROOFING PRODUCT SUMMARY

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCPP-PF-01-E-12200178-5302
Report Generated at: 2018-02-27 09:13:10



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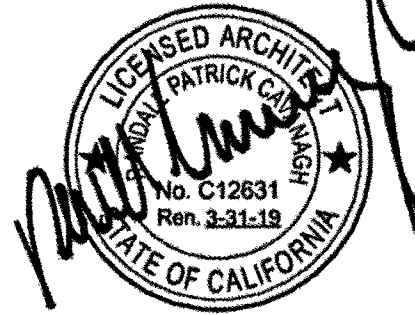
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STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

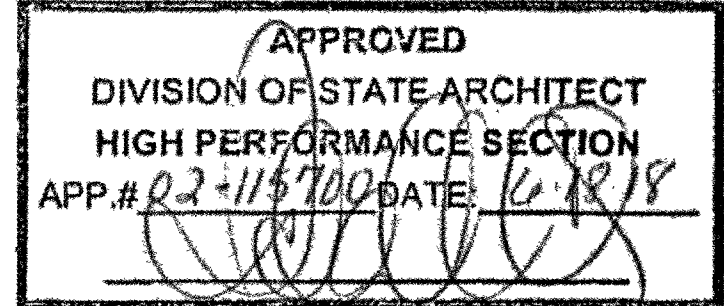
ENERGY CALCULATIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

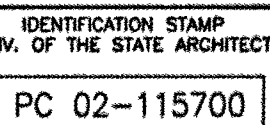


THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



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

REVISIONS

DRAWN BY:

SCALE: AS NOTED

DATE:

SHEET NUMBER

EN.2

Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
Input File Name: AMS 120x40 for DSA - C214 (4) cdb16

Table with 11 columns: Equip Name, Equip Type, System Type, Qty, Total Heating Output, Total Cooling Output, Efficiency, Acceptance Rating, and others.

Wet System Equipment Section Does Not Apply
Discrepancy between modeled and designed equipment listing (if "Yes", see Table P. "Additional Remarks" for an explanation)

Table with 11 columns: Equip Name, Outside Air, Supply Fan, Return Fan, Economizer Type, and others.

Additional ventilation calculations and related data are included in the NRCC-PHF-MCH-DETAILS section

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCC-PHF-01-E-122020178-5302
Report Generated at: 2018-02-27 09:13:10

Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
Input File Name: AMS 120x40 for DSA - C214 (4) cdb16

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I hereby declare that the information provided in this document is true and correct to the best of my knowledge and belief.

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I hereby declare 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 a licensed contractor performing this work.

Responsible Envelope Designer Name: Randall P Cernogoh
Responsible Mechanical Designer Name: Randall P Cernogoh
Responsible Electrical Designer Name: Randall P Cernogoh

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCC-PHF-01-E-122020178-5302
Report Generated at: 2018-02-27 09:13:10

Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
Input File Name: AMS 120x40 for DSA - C214 (4) cdb16

NRCC-PHF-LIT-DETAILS-SECTION START-

Table with 11 columns: Location in Building, Lighting Control Credits, Control Credit Calculation, and others.

INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LIT-02-01)
This Section Does Not Apply

TAILORED METHOD CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRCC-LIT-04-01)
General lighting power from special function areas (see Table G)

GENERAL LIGHTING POWER (Adapted from NRCC-LIT-04-01)
This Section Does Not Apply

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCC-PHF-01-E-122020178-5302
Report Generated at: 2018-02-27 09:13:10

Project Name: AMS Modular Classroom 24x40
Project Address: Palm Springs-Int
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C215 (8) cdb16

Table with 2 columns: Item, Description

Table with 2 columns: Item, Description

ADDITIONAL REMARKS
of the roof U-value has been calculated using EXtreme per CEC guidance: U-value = 0.070

Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCC-PHF-01-E-122020178-5302
Report Generated at: 2018-02-27 09:13:10

Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
Input File Name: AMS 120x40 for DSA - C214 (4) cdb16

Table with 11 columns: Equip Name, Equip Type, System Type, Qty, Total Heating Output, Total Cooling Output, Efficiency, Acceptance Rating, and others.

Wet System Equipment Section Does Not Apply
Discrepancy between modeled and designed equipment listing (if "Yes", see Table P. "Additional Remarks" for an explanation)

Table with 11 columns: Equip Name, Outside Air, Supply Fan, Return Fan, Economizer Type, and others.

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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
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Report Generated at: 2018-02-27 09:13:10

Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
Input File Name: AMS 120x40 for DSA - C214 (4) cdb16

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Responsible Mechanical Designer Name: Randall P Cernogoh
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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCC-PHF-01-E-122020178-5302
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Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
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NRCC-PHF-ENV-DETAILS-SECTION START-

Table with 11 columns: Location in Building, Lighting Control Credits, Control Credit Calculation, and others.

INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LIT-02-01)
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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
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Project Name: AMS Modular Classroom 24x40
Project Address: Palm Springs-Int
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C215 (8) cdb16

Table with 2 columns: Item, Description

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ADDITIONAL REMARKS
of the roof U-value has been calculated using EXtreme per CEC guidance: U-value = 0.070

Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCC-PHF-01-E-122020178-5302
Report Generated at: 2018-02-27 09:13:10

Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
Input File Name: AMS 120x40 for DSA - C214 (4) cdb16

Table with 11 columns: Equip Name, Equip Type, System Type, Qty, Total Heating Output, Total Cooling Output, Efficiency, Acceptance Rating, and others.

Wet System Equipment Section Does Not Apply
Discrepancy between modeled and designed equipment listing (if "Yes", see Table P. "Additional Remarks" for an explanation)

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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCC-PHF-01-E-122020178-5302
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Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
Input File Name: AMS 120x40 for DSA - C214 (4) cdb16

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Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
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Input File Name: AMS 120x40 for DSA - C214 (4) cdb16

NRCC-PHF-MCH-DETAILS-SECTION START-

Table with 11 columns: Location in Building, Lighting Control Credits, Control Credit Calculation, and others.

INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LIT-02-01)
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Input File Name: AMS 24x40 for DSA - C215 (8) cdb16

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Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
Input File Name: AMS 120x40 for DSA - C214 (4) cdb16

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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
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Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
Input File Name: AMS 120x40 for DSA - C214 (4) cdb16

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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCC-PHF-01-E-122020178-5302
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Project Name: AMS Modular Classroom 120x40
Project Address: Palmdale
Compliance Scope: New/Complete
Input File Name: AMS 120x40 for DSA - C214 (4) cdb16

NRCC-PHF-MCH-DETAILS-SECTION START-

Table with 11 columns: Location in Building, Lighting Control Credits, Control Credit Calculation, and others.

INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LIT-02-01)
This Section Does Not Apply

TAILORED METHOD CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRCC-LIT-04-01)
General lighting power from special function areas (see Table G)

GENERAL LIGHTING POWER (Adapted from NRCC-LIT-04-01)
This Section Does Not Apply

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCC-PHF-01-E-122020178-5302
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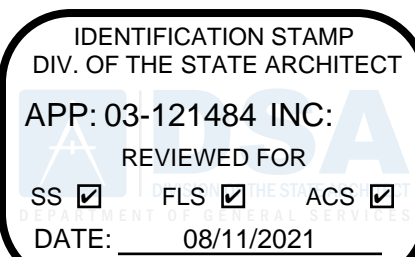
Project Name: AMS Modular Classroom 24x40
Project Address: Palm Springs-Int
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C215 (8) cdb16

Table with 2 columns: Item, Description

Table with 2 columns: Item, Description

ADDITIONAL REMARKS
of the roof U-value has been calculated using EXtreme per CEC guidance: U-value = 0.070

Building Energy Efficiency Standards- 2016 Nonresidential Compliance
Report Version: NRCC-PHF-01-E-122020178-5302
Report Generated at: 2018-02-27 09:13:10



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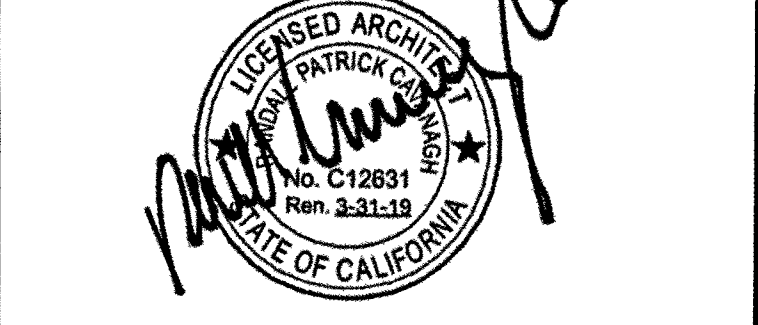
PRE-CHECKED SET NAME
24'x40' THRU 24'x120'
STANDARD MODULAR
BUILDINGS

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
APP # 02-115700 DATE: 6-18-18

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-115700
AC, FLS, SS, SD
DATE: 8-31-2018

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

REVISIONS

DRAWN BY:
SCALES: AS NOTED
DATE:
SHEET NUMBER

EN.3

Project Name: AMS Modular Classroom 24x40
Project Address: Blue Canyon
Calculation Date/Time: 09/04, Tue, Feb 27, 2018
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

II. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/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, in MCH and D1 Details Sections for Acceptance Tests and forms by equipment.

Project Name: AMS Modular Classroom 24x40
Project Address: Blue Canyon
Calculation Date/Time: 09/04, Tue, Feb 27, 2018
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

III. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/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, in MCH and D1 Details Sections for Acceptance Tests and forms by equipment.

Project Name: AMS Modular Classroom 24x40
Project Address: Blue Canyon
Calculation Date/Time: 09/04, Tue, Feb 27, 2018
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

IV. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/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, in MCH and D1 Details Sections for Acceptance Tests and forms by equipment.

Project Name: AMS Modular Classroom 24x40
Project Address: Blue Canyon
Calculation Date/Time: 09/04, Tue, Feb 27, 2018
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

VI. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/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, in MCH and D1 Details Sections for Acceptance Tests and forms by equipment.

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

Project Name: AMS Modular Classroom 24x40
Project Address: Blue Canyon
Calculation Date/Time: 09/04, Tue, Feb 27, 2018
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

I. FENESTRATION ASSEMBLY SUMMARY

II. ENVELOPE GENERAL INFORMATION (See NRCC-PRF-ENV-DETAILS for more information)

III. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E1)

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance
Report Version: NRCC-PRF-01-E-122020178-5302
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Project Name: AMS Modular Classroom 24x40
Project Address: Blue Canyon
Calculation Date/Time: 09/04, Tue, Feb 27, 2018
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

IV. EQUIPMENT CONTROLS

V. P. SYSTEM DISTRIBUTION SUMMARY

VI. INDOOR CONDITIONED LIGHTING GENERAL INFO (See NRCC-LTI-01-E1 for more info)

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance
Report Version: NRCC-PRF-01-E-122020178-5302
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Project Name: AMS Modular Classroom 24x40
Project Address: Blue Canyon
Calculation Date/Time: 09/04, Tue, Feb 27, 2018
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

VII. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E1)

VIII. COVERED PROCESS SUMMARY - ENCLOSED PARKING GARAGES

IX. COVERED PROCESS SUMMARY - COMMERCIAL KITCHENS

X. COVERED PROCESS SUMMARY - COMPUTER ROOMS

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance
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Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

XI. COVERED PROCESS SUMMARY - LABORATORY EXHAUSTS

XII. UNMET LOAD HOURS

XIII. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E1)

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IV. ENERGY USE SUMMARY

V. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E1)

VI. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E1)

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance
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Calculation Date/Time: 09/04, Tue, Feb 27, 2018
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

X. COVERED PROCESS SUMMARY - COMPUTER ROOMS

XI. COVERED PROCESS SUMMARY - LABORATORY EXHAUSTS

XII. UNMET LOAD HOURS

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

Project Name: AMS Modular Classroom 24x40
Project Address: Blue Canyon
Calculation Date/Time: 09/04, Tue, Feb 27, 2018
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

XIII. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E1)

XIV. COVERED PROCESS SUMMARY - ENCLOSED PARKING GARAGES

XV. COVERED PROCESS SUMMARY - COMMERCIAL KITCHENS

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

Project Name: AMS Modular Classroom 24x40
Project Address: Blue Canyon
Calculation Date/Time: 09/04, Tue, Feb 27, 2018
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

VI. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E1)

VII. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E1)

VIII. COVERED PROCESS SUMMARY - ENCLOSED PARKING GARAGES

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

Project Name: AMS Modular Classroom 24x40
Project Address: Blue Canyon
Calculation Date/Time: 09/04, Tue, Feb 27, 2018
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

IX. COVERED PROCESS SUMMARY - COMMERCIAL KITCHENS

X. COVERED PROCESS SUMMARY - COMPUTER ROOMS

XI. COVERED PROCESS SUMMARY - LABORATORY EXHAUSTS

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance
Report Version: NRCC-PRF-01-E-122020178-5302
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Project Name: AMS Modular Classroom 24x40
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Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

XII. UNMET LOAD HOURS

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Project Address: Blue Canyon
Calculation Date/Time: 09/04, Tue, Feb 27, 2018
Compliance Scope: New/Complete
Input File Name: AMS 24x40 for DSA - C216 (B).cldb16

XV. COVERED PROCESS SUMMARY - COMMERCIAL KITCHENS

XVI. COVERED PROCESS SUMMARY - COMPUTER ROOMS

XVII. COVERED PROCESS SUMMARY - LABORATORY EXHAUSTS

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

MANUFACTURER PROFESSIONAL OF RECORD ON PC

APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP. # 02-115700 DATE: 6/18/18

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-115700
AC / FLS / SS / 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

EN.5

Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 2 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

1. PRIORITY PLAN CHECK/ INSPECTION TIME (in order of highest to lowest TUV energy savings)
1st Indoor Fans Check envelope and mechanical
2nd Indoor Lighting Check lighting
3rd Heat Rejection Check envelope and mechanical
4th Pumps & Misc. Check mechanical
5th Domestic Hot Water Check mechanical
6th Space Cooling Check envelope and mechanical
7th Space Heating Check envelope and mechanical

2. EXCEPTIONAL CONDITIONS
The building does not include service water heating. Verify that service water heating is not required and is not included in the design.

3. HERS VERIFICATION
This Section Does Not Apply

4. ADDITIONAL REMARKS
Roof: the roof U-value has been calculated using E2Frame per GEC guidance; U-value = 0.070

Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 3 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

5. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY
Identify which building components use the performance or prescriptive path for compliance. "NA" = not in project
For components that utilize the performance path, indicate the alternative number that indicates mandatory notes on plans.

6. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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, H, and I in MCH and L1 Details Sections for Acceptance Tests and forms by equipment.

Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 4 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

7. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE 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 Part 6. Indicate which are relevant to the project.

8. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 5 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

9. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCF-PF-01-E-12202017B-5302 Report Generated at: 2018-02-27 09:18:36

Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 6 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

10. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 7 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

11. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCF-PF-01-E-12202017B-5302 Report Generated at: 2018-02-27 09:18:36

Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 8 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

12. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 9 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

13. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 10 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

14. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCF-PF-01-E-12202017B-5302 Report Generated at: 2018-02-27 09:18:36

Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 11 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

15. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 12 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

16. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 13 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

17. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 14 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

18. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 15 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

19. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCF-PF-01-E-12202017B-5302 Report Generated at: 2018-02-27 09:18:36

Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 16 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

20. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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Project Name: AMS Modular Classroom 120x40
Project Address: Blue Canyon
Compliance Scope: New/Complete
NRCF-PF-01-E Page 17 of 19
Calculation Date/Time: 09-18, Tue, Feb 27, 2018
Input File Name: AMS 120x40 for DSA - C216 (B).cblb16

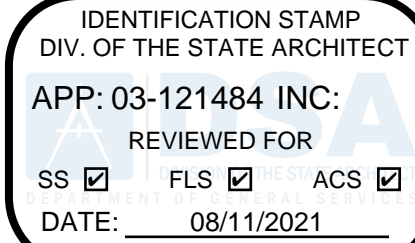
21. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRVC) -
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PRE-CHECKED SET NAME

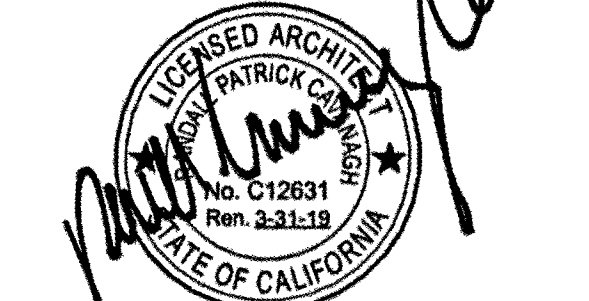
24'x40' THRU 24'x120'
STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

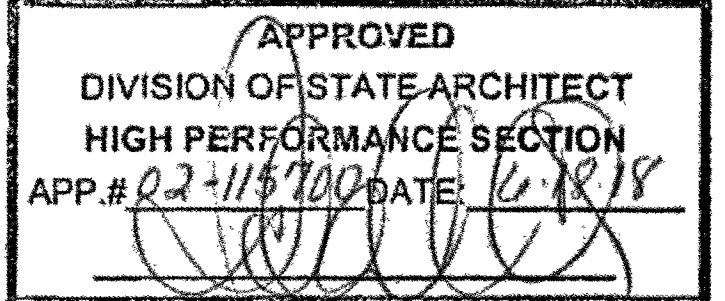
ENERGY CALCULATIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

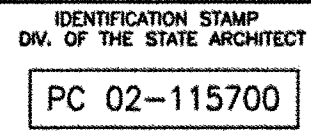


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UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



PRE-CHECK (PC) DOCUMENT

CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

REVISIONS

DRAWN BY:

SCALE: AS NOTED

DATE: SHEET NUMBER

EN.6

EN.7

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CERTIFICATE OF COMPLIANCE
Project Name: AMS 24-120x40 Ext & UC LTG
Date Prepared: 2/27/2018
Page 2 of 4

A. General Information
Project Address: N/A Climate Zone 1-16, CA
Total Illuminated Hardscape Area: 0
Phase of Construction: ☒ New Construction ☐ Addition ☐ Alteration
Outdoor Lighting Zone (LZ): ☐ L-1 ☐ L-2 ☐ L-3 ☐ L-4
I have confirmed with the AHJ which LZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114.

B. Lighting Compliance Documents (check box for each document included)
For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.
☒ NRCCTO-01-E Certificate of Compliance
☒ NRCCTO-02-E Outdoor Lighting Controls Certificate of Compliance
☒ NRCCTO-03-E Outdoor Lighting Power Allowance Certificate of Compliance
☒ NRCCTO-04-E Outdoor Lighting Existing Conditions Certificate of Compliance

C. Summary of Allowed Outdoor Lighting Power
Sum Total ALLOWED Outdoor Lighting Wattage from NRCCTO-03-E, page 1: 48 Watts
Alterations with NO increase of connected lighting load may instead use the allowed wattage from NRCCTO-04, page 2.
Complies ONLY if installed (Box 02) s Allowed (Box 03):
Sum Total INSTALLED Outdoor Lighting Wattage from NRCCTO-01-E, page 3: 48

D. Declaration of Required Installation Certificates
Declare by checking all installation Certificates that will be submitted. (Retain copies and verify compliance documents are completed and signed.)
☒ NRCCTO-01-E: Must be submitted for all buildings. ☐ Field Inspector
☒ NRCCTO-02-E: Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance. ☐ Field Inspector

E. Declaration of Required Certificates of Acceptance
Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify compliance documents are completed and signed.)
☒ NRCCTO-02-A: Must be submitted for outdoor lighting controls. ☐ Field Inspector

F. Schedule of Luminaires Exempt from the Outdoor Lighting Power Requirements in §140.7
Table with 2 columns: Q1 (Name or Symbol), Q2 (Description of exempt luminaire in accordance with the exemptions).

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2018

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CERTIFICATE OF COMPLIANCE
Project Name: AMS 24-120x40 Ext & UC LTG
Date Prepared: 2/27/2018
Page 2 of 4

G. Schedule of Luminaires Exempt from the Cutoff Requirements in §130.2(b)
Table with 2 columns: Q1 (Name or Symbol), Q2 (Description of exempt luminaire in accordance with the exemptions).

H. Schedule of Luminaires Exempt from the Outdoor Lighting Control Requirements in §130.2(c)
Table with 2 columns: Q1 (Name or Symbol), Q2 (Description of exempt luminaire in accordance with the exemptions).

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2018

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CERTIFICATE OF COMPLIANCE
Project Name: AMS 24-120x40 Ext & UC LTG
Date Prepared: 2/27/2018
Page 3 of 4

I. Outdoor Lighting Schedule and Field Inspection Energy Checklist
Table with 10 columns: Q1 (Name or Item Tag), Q2 (Complete Luminaire Description), Q3 (Watts per Luminaire), Q4 (Cutoff), Q5 (Accessories), Q6 (Number of Luminaires), Q7 (Total Installed Watts in this area (L1-L4)), Q8 (Location), Q9 (Cutoff), Q10 (Field Inspector).
Row 1: ISC 10w LED Fixture, 16.0, 16.0, 3, 48, Main Entrance, Pass, Fail.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2018

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CERTIFICATE OF COMPLIANCE
Project Name: AMS 24-120x40 Ext & UC LTG
Date Prepared: 2/27/2018
Page 4 of 4

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I, Hans Marnman, certify that this Certificate of Compliance documentation is accurate and complete.
Signature Date: 2/27/2018
Company: Brummitt Energy Associates
Address: 777 S. Highway 101, Suite 203
City/State/Zip: Solana Beach, CA 92075
Phone: 619.531.1128

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance.
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Randall P. Cavannagh
Signature Date: 11/30/16
Company: American Modular Systems | Gent Schools
Address: 787 Sprackels Avenue
City/State/Zip: Manteca, CA 95336
Phone: 209.825.1921

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2018

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CERTIFICATE OF COMPLIANCE
Project Name: AMS 24-120x40 Ext & UC LTG
Date Prepared: 2/27/2018
Page 1 of 3

A. Mandatory Outdoor Lighting Control Declaration Statements
Check all that apply:
☒ Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §130.5(a).
☒ Lighting shall be controlled by a lighting control system or energy management control system in accordance with §130.5. An Installation Certificate shall be submitted in accordance with §130.4(b).
☒ All lighting controls and equipment shall comply with the applicable requirements in §130.5 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.5(b).
☒ Part-Night Outdoor Lighting Controls, as defined in Section 130.5(1), shall meet the requirements in Section 130.5(b)(5).
☒ All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.5(c), shall be controlled by a motion sensor.
☒ All outdoor luminaires rated for use with lumens greater than 150 lumens, determined in accordance with Section 130.5(c), shall comply with light and glare requirements in accordance with Section 130.5(b).
☒ All installed outdoor lighting shall be controlled by a photocell or outdoor astronomical time-switch control, or other control capable of automatically switching OFF in accordance with Section 130.5(2).
☒ All installed outdoor lighting shall be independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.5(2).
☒ All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.5(2).
☒ For Outdoor Sales Frontage, an automatic lighting control shall be installed in accordance with Section 130.5(4).
☒ For Building Facade, Ornamental Landscape and Outdoor Dining lighting, an automatic lighting control shall be installed in accordance with Section 130.5(5).
☒ Before an occupancy permit is granted for the newly constructed building or for the addition, or for any altered outdoor lighting, the outdoor lighting controls shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4.4. Outdoor lighting controls shall comply with the applicable requirements of Section 130.5(c) and reference Nonresidential Appendix N107.8.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance August 2018

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CERTIFICATE OF COMPLIANCE
Project Name: AMS 24-120x40 Ext & UC LTG
Date Prepared: 2/27/2018
Page 2 of 3

B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist
Table with 11 columns: Q1 (Location and Application of Luminaires Being Controlled), Q2 (Type/Description of Lighting Control), Q3 (# of Units), Q4-Q10 (Standards Complying With), Q11 (Field Inspector).
Row 1: ISC 10w LED Fixture, 16.0, 16.0, 3, 48, Main Entrance, Pass, Fail.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance August 2018

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CERTIFICATE OF COMPLIANCE
Project Name: AMS 24-120x40 Ext & UC LTG
Date Prepared: 2/27/2018
Page 3 of 3

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I, Hans Marnman, certify that this Certificate of Compliance documentation is accurate and complete.
Signature Date: 2/27/2018
Company: Brummitt Energy Associates
Address: 777 S. Highway 101, Suite 203
City/State/Zip: Solana Beach, CA 92075
Phone: 619.531.1128

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance.
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Randall P. Cavannagh
Signature Date: 11/30/16
Company: American Modular Systems | Gent Schools
Address: 787 Sprackels Avenue
City/State/Zip: Manteca, CA 95336
Phone: 209.825.1921

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance August 2018

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CERTIFICATE OF COMPLIANCE
Project Name: AMS 24-120x40 Ext & UC LTG
Date Prepared: 2/27/2018
Page 1 of 4

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY
1. General Hardscape Lighting Power Allowance (Site Total from Section B of NRCCTO-03-E): 0
2. Additional Specific "use it or lose it" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts determined in Section C-1 to C-4 of NRCCTO-03-E:
PER APPLICATION (SALES FRONTAGE) PER UNIT LENGTH (ORNAMENTAL LIGHTING) PER SPECIFIC AREA (from Section C-4)
48 + 0 + 0 = 48
3. Sum Total ALLOWED Outdoor Lighting Wattage (add rows 1 and 2): 48

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A
Table with 10 columns: Q1 (Area), Q2 (Illuminated Hardscape Area), Q3 (Area (sq ft)), Q4 (Perimeter Length of General Hardscape), Q5 (Linear Wattage Allowance (LWA)), Q6 (LWA (sq ft)), Q7 (LWA (sq ft)), Q8 (LWA (sq ft)), Q9 (Initial Wattage Allowance (WVA)), Q10 (Total General Hardscape Lighting Allowance).
Row 1: ISC 10w LED Fixture, 16.0, 16.0, 3, 48, Main Entrance, Pass, Fail.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2018

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CERTIFICATE OF COMPLIANCE
Project Name: AMS 24-120x40 Ext & UC LTG
Date Prepared: 2/27/2018
Page 2 of 4

C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS
☒ The additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used.
☒ Use Outdoor Lighting Zone (LZ) that is documented on page 1 of NRCCTO-01-E to calculate the specific wattage allowances.

C-1. WATTAGE ALLOWANCE PER APPLICATION - Table 140.7-B
☒ Available only for qualifying locations, which include Building Entrances or Exits, Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities, Drive Up Windows, Vehicle Service Station Uncovered Fuel Dispenser, ATM Machine Lighting
☒ If more than one luminaire type is used per location, use multiple rows for that location.

Table with 10 columns: Q1 (Name of Location for Which Allowance is Claimed), Q2 (Number of Qualifying Locations), Q3 (Allowance per Qualifying Location), Q4 (Allocated Watts (80 x 0.3)), Q5 (Luminaire Code or Symbol), Q6 (Luminaire Description), Q7 (Luminaire Quantity), Q8 (Watts per Luminaire), Q9 (Design Watts (87 x 0.6)), Q10 (Allowed Watts (smaller of Q4 or Q9)).
Row 1: ISC 10w LED Fixture, 3, 16.0, 48, 48.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2018

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CERTIFICATE OF COMPLIANCE
Project Name: AMS 24-120x40 Ext & UC LTG
Date Prepared: 2/27/2018
Page 3 of 4

C-2. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) - Table 140.7-B
☒ Allowance for the total site illuminated hardscape area. Luminaires qualifying for this allowance shall be rated for 100 watts or less as determined in accordance with Section 130.4(c), and shall be post-top luminaires, lanterns, pendant luminaires, or chandeliers.
☒ If more than one luminaire type is used per location, use multiple rows for that location.

Table with 10 columns: Q1 (Name of area for which ornamental allowance is claimed), Q2 (Square Feet of Hardscape), Q3 (Wattage Allowance per Square Foot), Q4 (Allocated Watts (82 x 0.3)), Q5 (Luminaire Code or Symbol), Q6 (Luminaire Description), Q7 (Luminaire Quantity), Q8 (Watts per Luminaire), Q9 (Design Watts (87 x 0.6)), Q10 (Allowed Watts (smaller of Q4 or Q9)).
Row 1: ISC 10w LED Fixture, 3, 16.0, 48, 48.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2018

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CERTIFICATE OF COMPLIANCE
Project Name: AMS 24-120x40 Ext & UC LTG
Date Prepared: 2/27/2018
Page 4 of 4

C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B
☒ Allowances for Building Facades, Outdoor Sales Lots, Vehicle Service Station Hardscapes, Vehicle Service Station Canopies, Sales Canopies, Non-sales Canopies, Tunnel, Guard Stations, Student Pick-up/Drop-off zone, Outdoor Dining, Special Security Lighting for Retail Parking and Pedestrian Hardscapes.
☒ If more than one luminaire type is used per location, use multiple rows for that location.

Table with 10 columns: Q1 (Name of Location for Which Allowance is Claimed), Q2 (Illuminated Area of Application), Q3 (Wattage Allowance per square foot), Q4 (Allocated Watts (82 x 0.3)), Q5 (Luminaire Code or Symbol), Q6 (Luminaire Description), Q7 (Luminaire Quantity), Q8 (Watts per Luminaire), Q9 (Design Watts (87 x 0.6)), Q10 (Allowed Watts (smaller of Q4 or Q9)).
Row 1: ISC 10w LED Fixture, 3, 16.0, 48, 48.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121484 INC.
REVIEWED FOR
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
LICENSED ARCHITECT
PATRICK CAVANAGH
No. C12631
Exp. 8-31-18

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 # 03-115700 DATE: 10/18/18

ORIGINAL PC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-115700
AC / FLS / SS
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

EN.8


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EN1_02_EN3_EN4_EN5_EN6 - EN1 - xxxxxx - EN1
EN1_02_EN3_EN4_EN5_EN6 - 02 - xxxxxx - EN1
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PLOTTED 12/5/2015 7:32 AM
BUILDINGS - [p:are] - SAVED 5/22/2015 7:32 AM
22-XXXXXX - 22-XXXXXX

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December 2011December 2011APP: 03-121484 INC:REVIEWED FOR

SS ☒ FLS ☒ AC

DATE: 08/11/2021

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PRE-CHECKED SET NAME

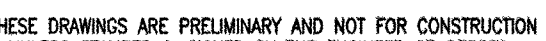
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SITE SPECIFIC PROJECT NAME

SHEET TITLE

ENERGY CALCULATIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PROJECT



PROJECT SPECIFIC STATE AGENCY APPROVAL

PROJECT SPECIFIC STATE AGENCY APPROVAL

APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP.# 02-115700 DATE: 6/8/18

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

PC 02-115700

AC / FLS / SS /
DATE 8-31-2018

PRE-CHECK (PG) DOCUMENT

PRE-CHECK (P/C) DOCUMENT
CODE: 0010 000

CODE: 2016 CBC

REVISIONS

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SCALE: AS NOTED

DATE: _____

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| DATE: | 1 |
| | DATE: 1/1/19 |

SHEET NUMBER

FNCO

END

ENVIS

INTRODUCTION

03-XXXXX - [E-IMP] BUILDINGS - SHEET: 7/15/2021 8:52 AM - PLOTTED: 7/15/2021 8:52 AM - W:\projects\1200-1989\1200-1989\1202-21 Ventura County Community College - Moorpark Campus\BELL\BELL\DWG\14 - 02 - 115000 - Ventura County - A1.0 - TYP FLOOR PLAN.dwg

TYPICAL FLOOR PLAN

| BUILDING SIZE SCHEDULE | | | |
|---|--------------------------------|---------------------------|--------------------------------|
| BUILDING SIZE (FT) | TOTAL # OF 12'-0" WIDE MODULES | TOTAL # OF CENTER MODULES | TOTAL FNDN. WIDTH ¹ |
| <input checked="" type="checkbox"/> 24'x40' | 2 | 0 | 23'-8 1/4" |
| <input type="checkbox"/> 36'x40' | 3 | 1 | 35'-6 3/4" |
| <input type="checkbox"/> 48'x40' | 4 | 2 | 47'-5" |
| <input type="checkbox"/> 60'x40' | 5 | 3 | 59'-3 1/4" |
| <input type="checkbox"/> 72'x40' | 6 | 4 | 71'-1 1/2" |
| <input type="checkbox"/> 84'x40' | 7 | 5 | 82'-11 3/4" |
| <input type="checkbox"/> 96'x40' | 8 | 6 | 94'-10" |
| <input type="checkbox"/> 108'x40' | 9 | 7 | 106'-8 1/4" |
| <input type="checkbox"/> 120'x40' | 10 | 8 | 118'-6 1/2" |

- NOTES:
- TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULAR CONSTRUCTION TOLERANCE PER FOUNDATION SHEET S1.1.

ENERGY CONTROLS

- DEMAND RESPONSE CONTROLS:
ONLY REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F., THEREFORE, NOT REQUIRED FOR THIS PC.
- AUTOMATIC DAYLIGHTING CONTROLS:
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 ON SHEET E1.0). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.1
- 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.
- SOLAR-READY ZONE REQUIREMENTS:
REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0

NOTE:
ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

ACOUSTIC CONTROLS

- WHEN THE PRE-CHECK (PC) BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES SHALL COMPLY WITH THE CALGREEN CODE, SECTION 5.507.4, FOR THE SPECIFIC SITE LOCATION.
- MINIMUM WALL ASSEMBLIES:
WALL ASSEMBLIES SHALL BE CONSTRUCTED PER DETAIL SHEETS A5.1, A5.3, A5.5, A5.7, & A8.0, WITH EITHER 2x4 WOOD STUDS OR 6" STEEL STUDS PER LISTED OPTIONS.
MINIMUM STC RATINGS LISTED BELOW ARE PER THE CATALOG OF STC & IIC RATINGS FOR WALL AND FLOOR/CEILING ASSEMBLIES, PRODUCED BY THE OFFICE OF NOISE CONTROL, CA DEPARTMENT OF HEALTH SERVICES.

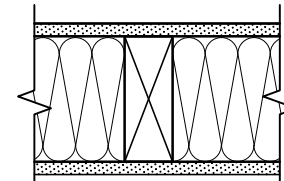
(1) LAYER 1/2" GYPSUM BOARD
SECURED TO MIN. 2x4 STUDS @ 16" O.C. MAX.

STC=28
(CATALOG SECTION 1.2.1.5.4.1)
TEST REF.: NATIONAL RESEARCH COUNCIL OF CANADA - NRC #66

(1) LAYER 1/2" GYPSUM BOARD
SECURED TO MIN. 2 1/2" METAL STUDS @ 16" O.C. MAX.

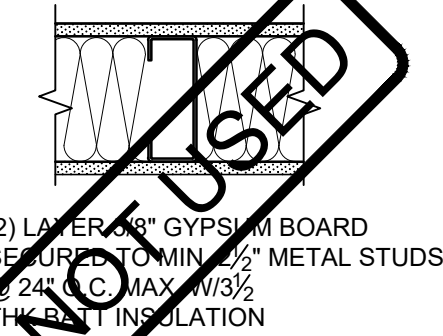
STC=27
(CATALOG SECTION 1.3.2.5.4.1)
TEST REF.: NATIONAL RESEARCH COUNCIL OF CANADA - NRC #66

- IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO ANOTHER PC CLASSROOM OR RESTROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR/CEILING SHALL MEET THE MINIMUM REQUIREMENT OF A STC OF 40, PER CALGREEN CODE SECTION 507.4.3. (EXAMPLES OF QUALIFYING ASSEMBLIES SHOWN BELOW).



(2) LAYER 5/8" GYPSUM BOARD
SECURED TO MIN. 2x4 STUDS @ 24" O.C. MAX. w/ 3 1/2" THK. BATT INSULATION

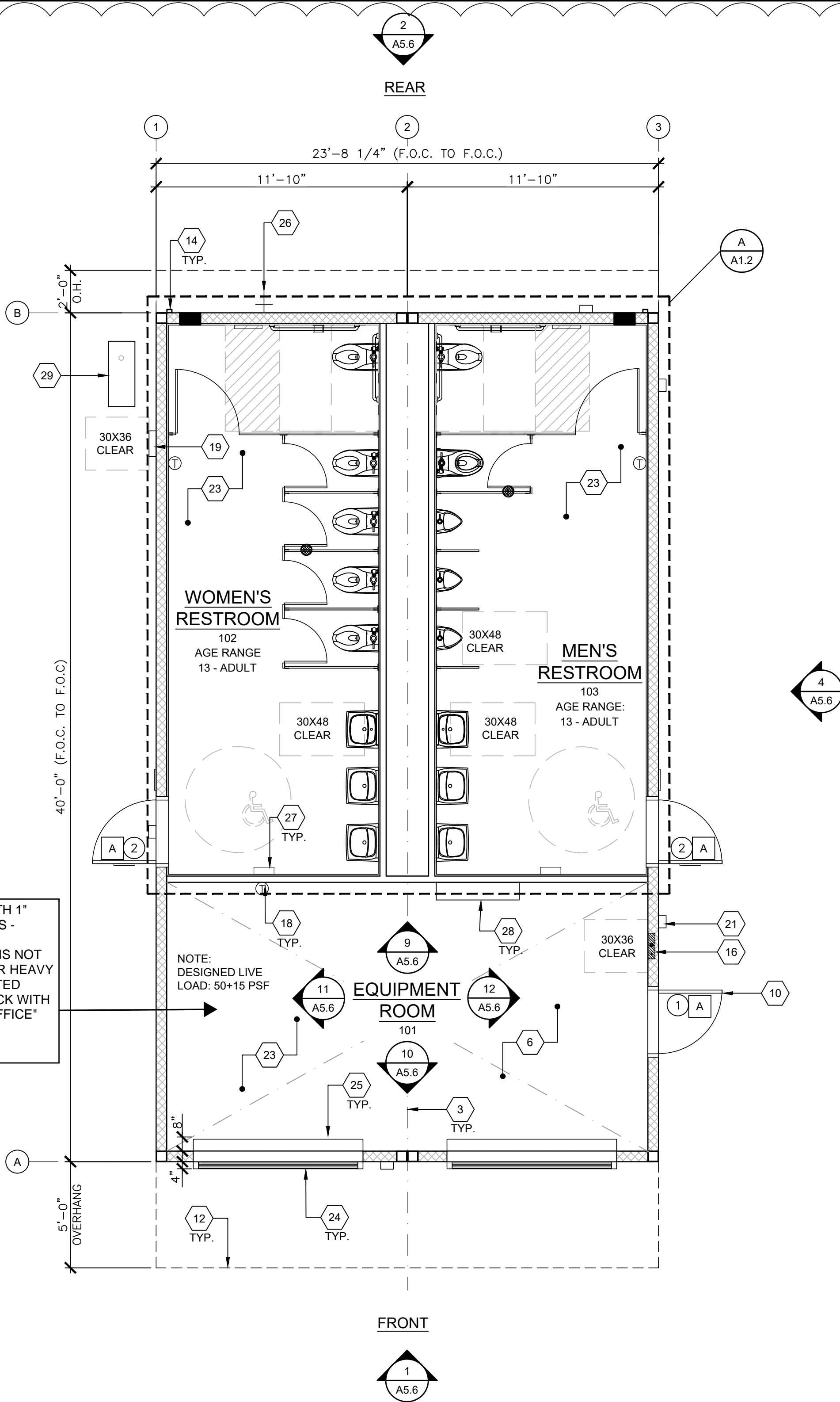
STC=40
TEST REF.: AUDIO ALLOY L.L.C TEST NUMBER: OL-05-1003



(2) LAYER 5/8" GYPSUM BOARD
SECURED TO MIN. 2 1/2" METAL STUDS @ 24" O.C. MAX. w/ 3 1/2" THK. BATT INSULATION

STC=48
TEST REF.: AUDIO ALLOY L.L.C TEST NUMBER: OL-92-410

- MINIMUM WINDOW & DOOR RATINGS:
ALL WINDOWS AND DOORS SPECIFIED ON THE SCHEDULES FOUND ON SHEET N3.0 OF THIS PACKAGE SHALL MEET A MINIMUM STC RATING OF 27.



ADD SIGN WITH 1" HIGH LETTERS -

"THIS FLOOR IS NOT SUITABLE FOR HEAVY CONCENTRATED LOADS - CHECK WITH FACILITIES OFFICE"

WOMEN'S RESTROOM
102
AGE RANGE
13 - ADULT

MEN'S RESTROOM
103
AGE RANGE:
13 - ADULT

EQUIPMENT ROOM
101

KEY NOTES

- INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING. REFER TO SHEET S8.1 ATTACHMENTS.
- PANIC HARDWARE COMPLYING WITH C.B.C. 1010.1.10 IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.
- IF OCCUPANCY LOAD EXCEEDS 50, PROVIDE A SECOND EXIT DOOR, PER CBC TABLE 1006.2.1.
- ALL PRIMARY EXTERIOR DOOR ENTRIES SHALL BE COVERED TO PREVENT WATER INTRUSION BY USING NONABSORBENT FLOOR AND WALL FINISHES WITHIN AT LEAST 2 FEET AROUND AND PERPENDICULAR TO OPENING, PER CALGREEN, SECTION 5.407.2.2.1.
- PRIMARY EXTERIOR DOOR ENTRIES SHALL HAVE AT LEAST ONE OF THE FOLLOWING:
 - INSTALLED AWNING AT LEAST 4 FEET IN DEPTH (BY OTHERS).
 - OPTIONAL SIDE WALL CANOPY (4 FEET IN DEPTH) PER SHEET S5.4A.
 - ROOF OVERHANG AT LEAST 4 FEET IN DEPTH.
 - DOOR RECESSED AT LEAST 4 FEET.
 - OTHER METHODS WHICH PROVIDE EQUIVALENT PROTECTION (BY OTHERS).

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.

SHEET NOTES

- ☒ # = MECHANICAL OR PLUMBING FIXTURE - SEE MECHANICAL OR PLUMBING DRAWINGS
- ☒ X = KEY NOTE - SEE KEY NOTES ABOVE
- ☒ X = DOOR TYPE - SEE SCHEDULE, SHEET N3.0
- ☒ X = DOOR HARDWARE - SEE HARDWARE SCHEDULE, SHEET N3.0
- ☒ X = WINDOW TYPE - SEE SCHEDULE, SHEET N3.0

SYMBOLS LEGEND

- NOT USED
- NOT USED
- TYP. MOD LINE
- NOT USED
- NOT USED
- EGRESS AREA
- NOT USED
- NOT USED
- NOT USED
- EGRESS DOOR
- NOT USED
- OVERHANG SEE STRUCTURAL
- NOT USED
- DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.O.N.) (QUANTITY AND LOCATION MAY VARY)
- NOT USED
- ELECTRICAL PANEL (LOCATION MAY VARY)
- NOT USED
- THERMOSTAT
- DISCONNECT BOX
- NOT USED
- EXTERIOR LIGHT - SEE ELECTRICAL SHEETS
- NOT USED
- EPOXY FLOOR
- ROLL-UP SECURITY SHUTTER ABOVE
- 96" x 18" SST WINDOW SILL
- HOSE BIB
- HAND DRYER
- INDOOR HVAC UNIT - WALL TYPE
- EXTERIOR HVAC CONDENSER UNIT

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 120'x40'
STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

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

SHEET TITLE

TYPICAL
FLOOR PLAN

MANUFACTURER PROFESSIONAL OF RECORD ON PC



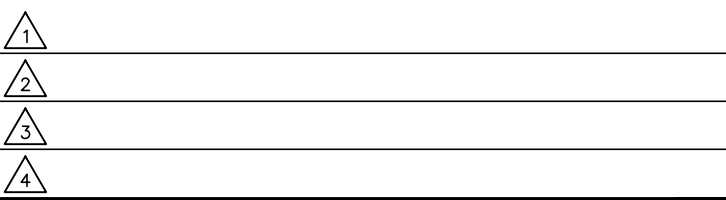
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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC02-115700

REVISIONS



DRAWN BY: AA/KA

SCALE: AS NOTED

DATE: 07/15/21

SHEET NUMBER

A1.0

BUILDING SIZE SCHEDULE

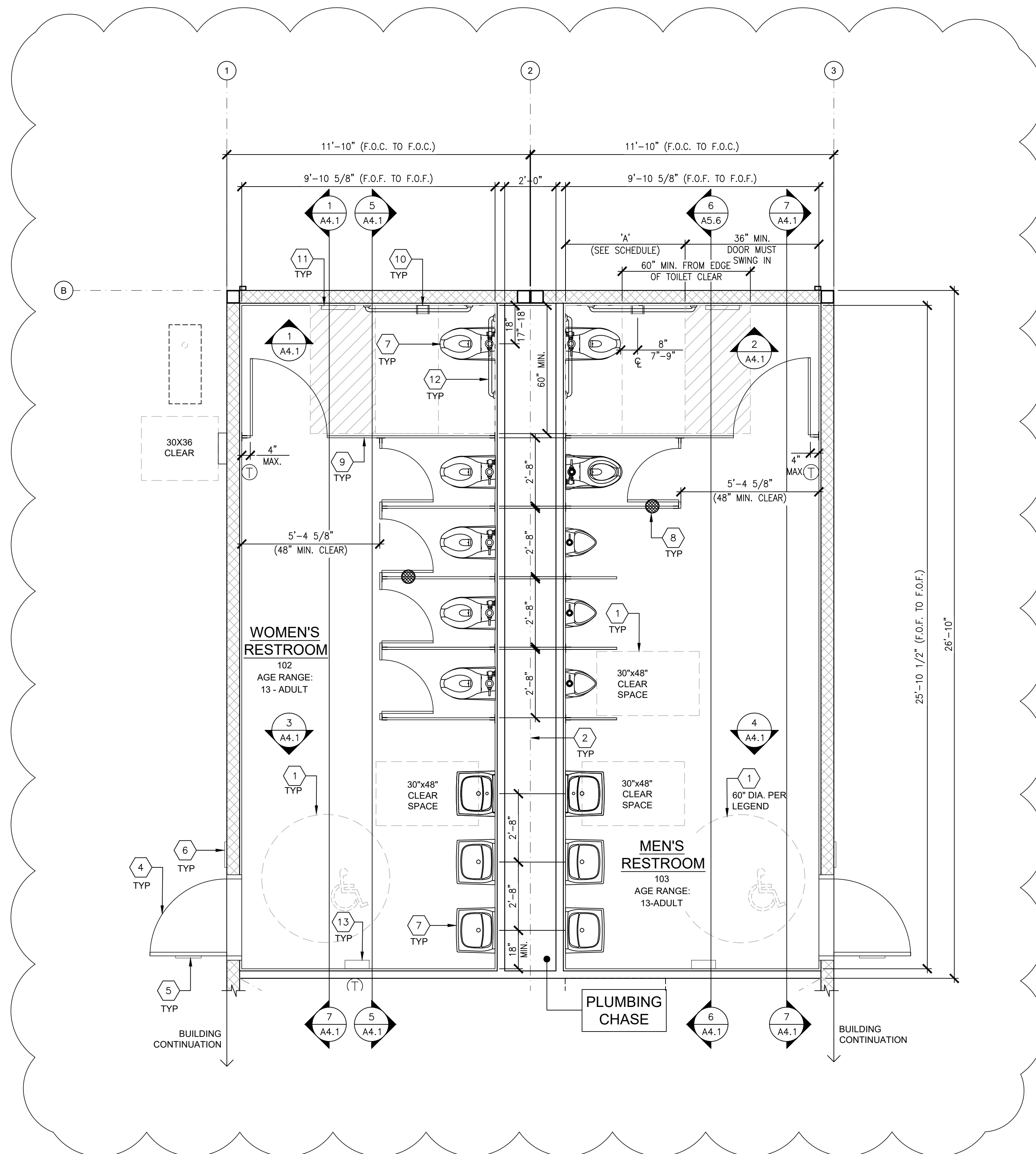
16

ENERGY NOTES

17

ACOUSTIC NOTES

SYMBOLS LEGEND



- 1 CLEAR FLOOR SPACE AREA
- 2 TYP. MOD LINE
- 3 NOT USED
- 4 DOOR PER SCHEDULE ON SHEET N3.0, TYP.
- 5 RESTROOM SIGNAGE (BY OTHERS) PER DETAILS 1-10, SHEET N4.0
- 6 ROOM AND ISA SIGNAGE (BY OTHERS) PER DETAILS 5&9/N4.0
- 7 PLUMBING FIXTURE PER P1.0
- 8 FLOOR DRAIN (LOCATIONS MAY VARY) - PER P1.0
1:48 FLOOR SLOPE MAX
- 9 TOILET PARTITION (ACCURATE, SOLID PLASTIC, OR EQUAL)
- 10 TOILET TISSUE DISPENSER (BRADLEY MODEL 508-32, OR EQUAL)
- 11 TOILET SEAT COVER DISPENSER (BOBRICK MODEL B-221, OR EQUAL)
(BY OTHERS)
- 12 GRAB BARS - SEE 6/A7.1
- 13 HAND DRYER (BOBRICK MODEL B-7120)
- 14 DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.N.O.)
(QUANTITY AND LOCATION MAY VARY)

KEY NOTES

1. DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTED OTHERWISE (i.e. F.O.C., ☐)
2. RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION.
3. 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 SB.1 OR SB.9 FOR ATTACHMENTS.
6. REFER TO SCHEDULE 7/P2.0 FOR ACCESSIBLE HEIGHTS & DIMENSIONS.
7. 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 | | | |
|--|--------------|--------------|---------------|
| | | WALL MOUNTED | FLOOR MOUNTED |
| 'A' | CHILDREN | 59" MIN. | 59" MIN. |
| | NON-CHILDREN | 56" MIN. | 59" MIN. |

1. ACCESSIBLE TOILET COMPARTMENT'S SHALL HAVE A MANEUVERING SPACE COMPLYING WITH 2016 CBC SECTION 11B-604.8.1.1.

GENERAL NOTES

-  = KEY NOTE - SEE KEY NOTES, THIS SHEET
 = DOOR TYPE - SEE SCHEDULE SHEET N3.0
 = WINDOW TYPE - SEE SCHEDULE SHEET N3.0
 = DOOR HARDWARE - SEE HARDWARE SCHEDULE SHEET N3.0
 = 60" DIAMETER CLEAR FLOOR TURNING SPACE
 = 30"x48" CLEAR FLOOR SPACE

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PRE-CHECKED SET NAME

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

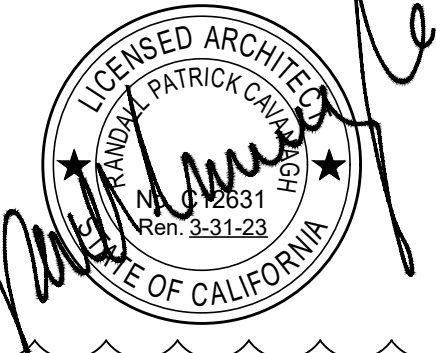
SITE SPECIFIC PROJECT NAME

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

SHEET TITLE

RESTROOM FLOOR PLAN OPTIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC



PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC02-115700

REVISIONS

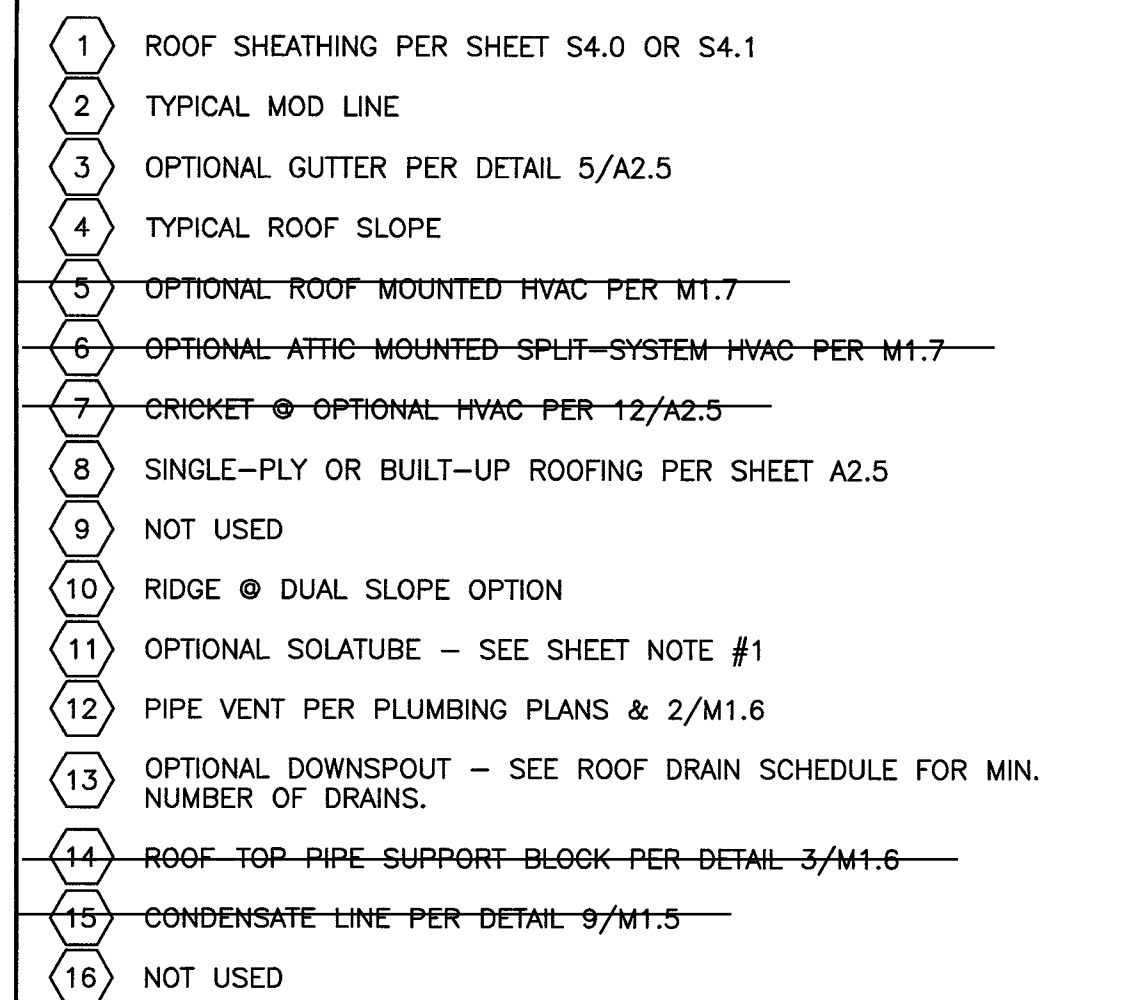
DRAWN BY: AA/KA

SCALE: AS NOTED

DATE: 07/15/21

SHEET NUMBER

A1.2



1. SOLATUBE LOCATIONS SHOWN ON PLAN ARE GENERIC AND ACTUAL LOCATIONS MAY VARY - (4) MAX. PER MOD. FRAMING PER S4.0 & S4.1 INSTALLATION PER DETAILS 1 OR 15/M1.6
2. OPTIONAL GUTTERS SHALL BE LOCATED ALONG THE END-WALLS OF THE BUILDING(S):
 - MONO-SLOPE: REAR END WALLS ONLY.
 - DUAL-PITCH: BOTH FRONT & REAR END WALLS.
2. ROOF-SHEATHING SHALL ONLY BE USED FOR SINGLE-PLY OR BUILT-UP ROOFING ON EITHER MONO-SLOPE OR DUAL-PITCH SLOPED BUILDING(S).

SOLAR ZONE REQUIRED, PER TITLE 24 SECTION 110.10: FOR NON-RESIDENTIAL BUILDINGS, 3 STORIES OR LESS, A MINIMUM OF 15% OF ROOF AREA (EXCLUDING SKYLIGHTS) MUST BE SET ASIDE FOR PHOTO-VOLTAICS (PV). THE ROOF MUST HAVE NO ROOF OBSTRUCTIONS.

1. REQUIRED SOLAR-READY ZONE, AREA PER THE CHART BELOW, MUST BE PROVIDED ON BUILDING ROOF.
2. ZONE MUST BE LEFT VOID OF ROOF-MOUNTED HVAC UNITS, SKYLIGHTS OR OTHER OBSTRUCTIONS THAT WOULD HINDER FUTURE INSTALLATION OF SOLAR SYSTEM COMPONENTS, INCLUDING PV PANELS.
3. TOTAL AREA REQUIRED FOR SOLAR-READY ZONE DOES NOT NEED TO BE LOCATED IN ONE AREA BUT CAN BE SPREAD OUT OVER ROOF.
4. SOLAR-READY ZONE SHALL NOT INCLUDE ROOF OVERHANGS, AND SOLAR SYSTEM COMPONENTS MAY NOT BE PLACED THERE.
5. THE ROOF STRUCTURE HAS BEEN DESIGNED PER THE DESIGN LOADS SPECIFIED ON THE TS, WHICH DOES NOT INCLUDE ADDITIONAL LOADS FROM SOLAR EQUIPMENT THAT MIGHT BE INSTALLED AT A LATER DATE.
6. EQUIPMENT SUCH AS SOLAR PANELS, INVERTERS, AND METERING EQUIPMENT TO BE INSTALLED, OR CONDUIT, PIPING, OR PRE-INSTALLED MOUNTING HARDWARE.
7. A STRUCTURAL ENGINEER OF RECORD SHOULD BE CONSULTED PRIOR TO ANY FUTURE SOLAR INSTALLATIONS TO DETERMINE THE ADEQUACY OF THE ROOF FRAMING TO SUSTAIN THE LOADS OF THE INSTALLATION ON THE BUILDING STRUCTURE.
8. A SEPARATE DSA APPLICATION NUMBER IS REQUIRED FOR DESIGN & INSTALLATION OF THE SOLAR PANEL SYSTEM, ITS ANCHORAGE & ROOF SUPPORT STRUCTURE.

| REQUIRED SOLAR-READY ZONE | | |
|-----------------------------------|-----------------------------|------------------------------|
| BUILDING SIZE (NOM.) | MAX. ROOF AREA (SQ. FT.) | REQ'D ZONE AREA (SQ. FT.) |
| <input type="checkbox"/> 24'x40' | 1200 | 180 |
| <input type="checkbox"/> 36'x40' | 1800 | 270 |
| <input type="checkbox"/> 48'x40' | 2400 | 360 |
| <input type="checkbox"/> 60'x40' | 3000 | 450 |
| <input type="checkbox"/> 72'x40' | 3600 | 540 |
| <input type="checkbox"/> 84'x40' | 4200 | 630 |
| <input type="checkbox"/> 96'x40' | 4800 | 720 |
| <input type="checkbox"/> 108'x40' | 5400 | 810 |
| <input type="checkbox"/> 120'x40' | 6000 | 900 |

An identification stamp from the Division of the State Architect. It contains the following text: "IDENTIFICATION STAMP", "DIV. OF THE STATE ARCHITECT", "APP: 03-121484 INC:", "REVIEWED FOR", "SS [checked] FLS [checked] ACS [checked]", and "DATE: 08/11/2021". The stamp is rectangular with rounded corners and a black border.

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PRE-CHECKED SET NAME

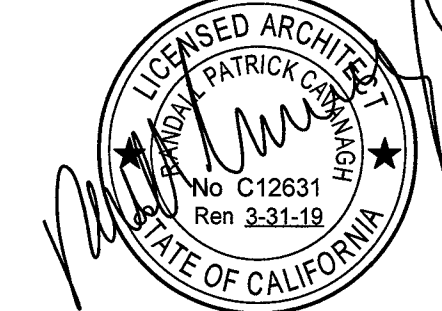
24'x40' THRU 120'x40'
STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

TYPICAL ROOF PLAN
SINGLE-PLY OR BUILT-UP
(WITHOUT PARAPETS)

MANUFACTURER PROFESSIONAL OF RECORD ON PC



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

ORIGINAL PC STATE AGENCY APPROVAL

An identification stamp from the Division of the State Architect. It contains the text "IDENTIFICATION STAMP", "DIV. OF THE STATE ARCHITECT", and a box with "PC 02-115700". Below this is a line for "AC" with a signature, "FLS" with a signature, and "SS" with a signature. At the bottom is "DATE" followed by "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

A2.3

| ROOF AREA DRAINS (WITH 5' + 2' OVERHANGS) | | | |
|--|-----------|--------------------------|---------------|
| BUILDING SIZE (NOM.) | ROOF AREA | MINIMUM NO. OF DRAINS | SIZE OF DRAIN |
| <input checked="" type="checkbox"/> 24'x40' | 960 | 2 | 2x3 |
| <input type="checkbox"/> 36'x40' | 1440 | 2 | 2x3 |
| <input type="checkbox"/> 48'x40' | 1920 | 3 | 2x3 |
| <input type="checkbox"/> 60'x40' | 2400 | 3 | 2x3 |
| <input type="checkbox"/> 72'x40' | 2880 | 4 | 2x3 |
| <input type="checkbox"/> 84'x40' | 3360 | 5 | 2x3 |
| <input type="checkbox"/> 96'x40' | 3840 | 5 | 2x3 |
| <input type="checkbox"/> 108'x40' | 4320 | 6 | 2x3 |
| <input type="checkbox"/> 120'x40' | 4800 | 6 | 2x3 |

NOTES:

1. DOWNSPOUTS & LEADERS PER C.P.C. 1106.1 AND TABLE 1101.11.
2. PC DOWNSPOUT SIZING BASED ON ROOF AREA AND MAX RAINFALL RATE OF 3" PER HOUR. SITE SPECIFIC BUILDING MAY UTILIZE LOCAL RAINFALL RATE--PROVIDE SITE RAINFALL RATE TO DETERMINE MINIMUM NUMBER OF DRAINS REQUIRED.

| BUILDING SIZE SCHEDULE | | | |
|---|--------------------------------------|---------------------------------|---------------------|
| BUILDING SIZE (FT) | TOTAL # OF 12'-0" WIDE MODULES | TOTAL # OF CENTER MODULES | TOTAL BLDG WIDTH |
| <input checked="" type="checkbox"/> 24'x40' | 2 | 0 | 23'-8" |
| <input type="checkbox"/> 36'x40' | 3 | 1 | 35'-6" |
| <input type="checkbox"/> 48'x40' | 4 | 2 | 47'-4" |
| <input type="checkbox"/> 60'x40' | 5 | 3 | 59'-3" |
| <input type="checkbox"/> 72'x40' | 6 | 4 | 71'-1" |
| <input type="checkbox"/> 84'x40' | 7 | 5 | 82'-11" |
| <input type="checkbox"/> 96'x40' | 8 | 6 | 94'-9" |
| <input type="checkbox"/> 108'x40' | 9 | 7 | 106'-8" |
| <input type="checkbox"/> 120'x40' | 10 | 8 | 118'-6" |

NOTES:

1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULAR CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.0, S1.1, S1.2, & S1.3.

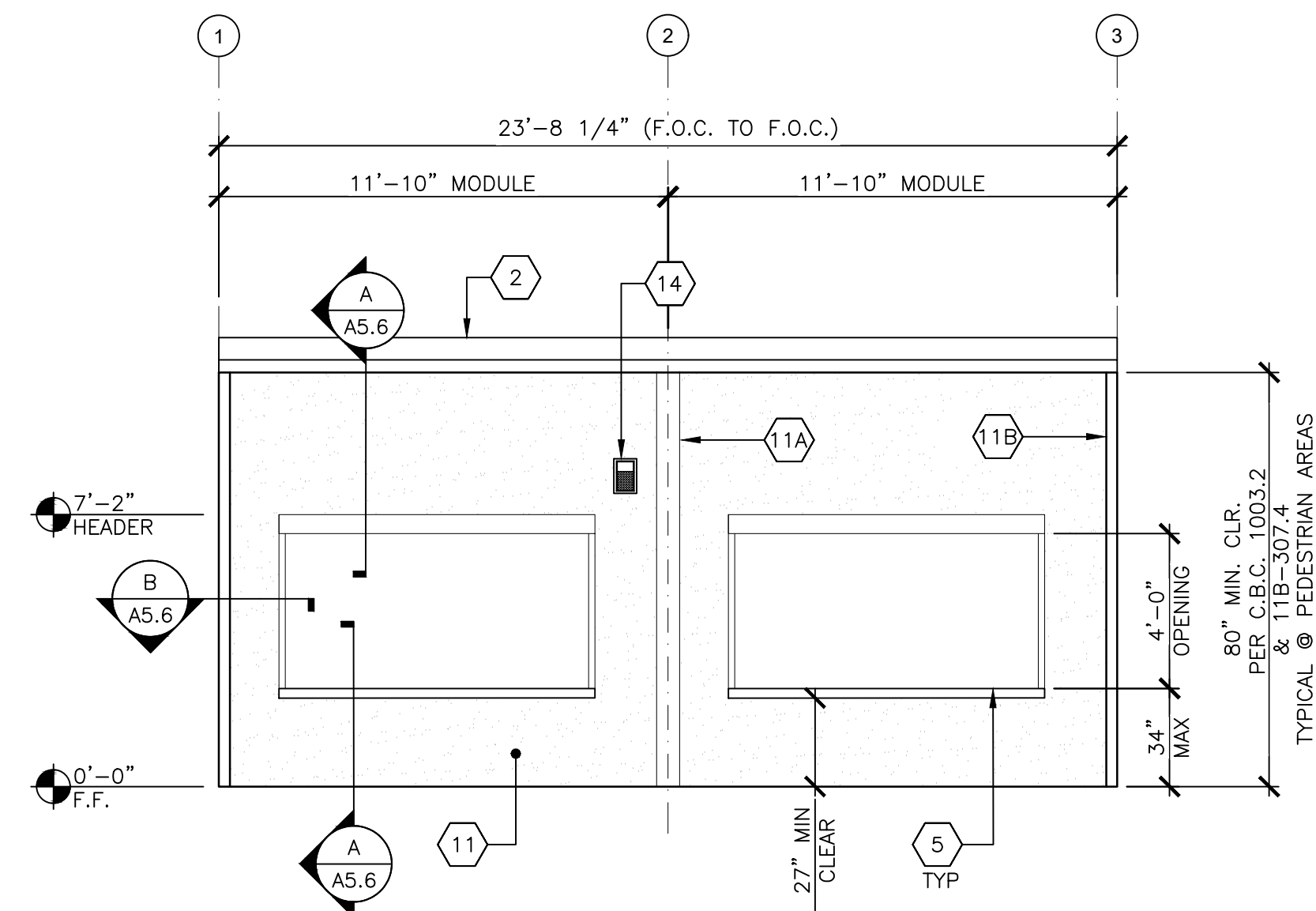
ROOF DRAIN SCHEDULE

BUILDING SIZE SCHEDULE

| |
|----------|
| NOT USED |
|----------|

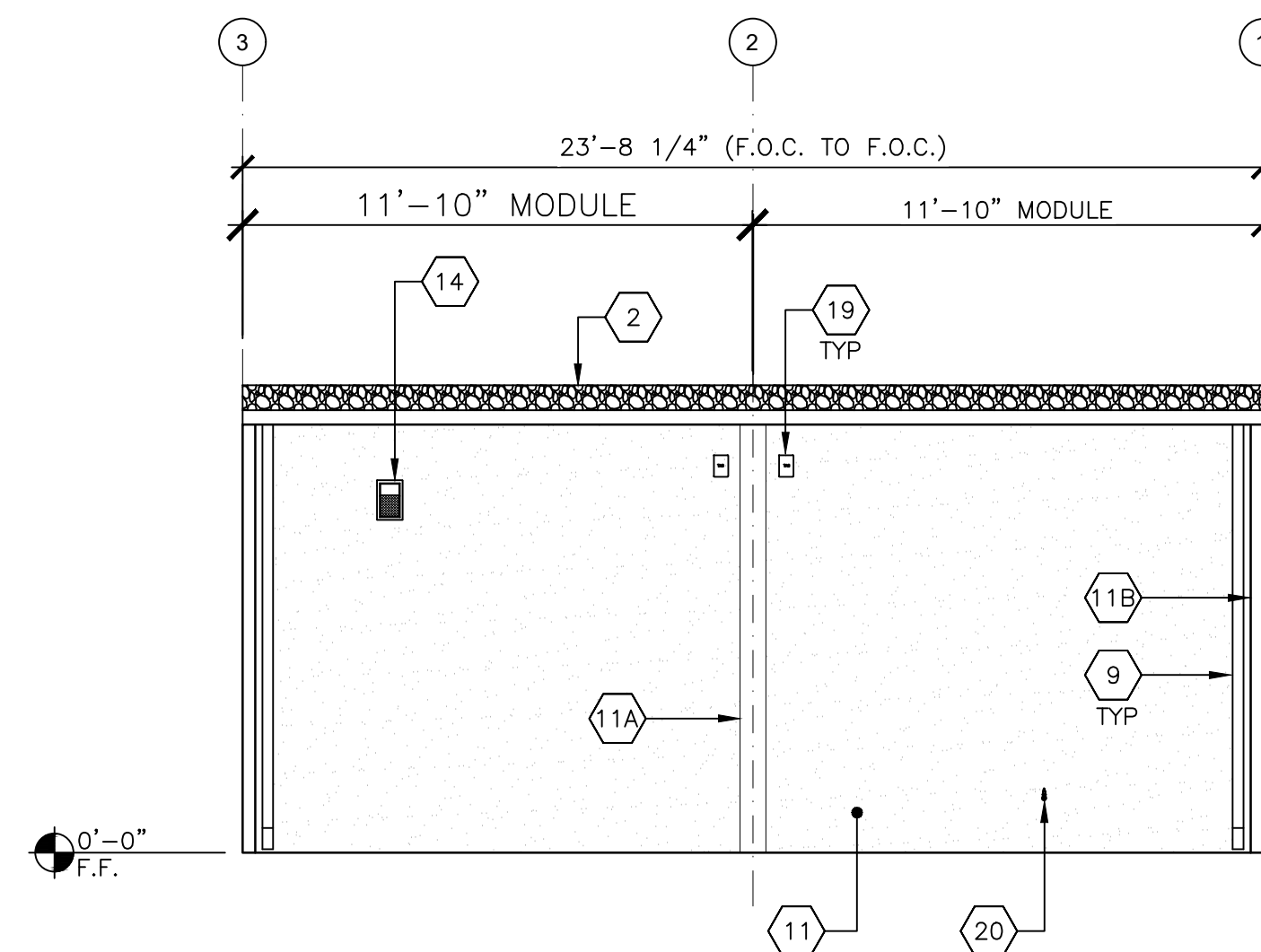
| | |
|---|----------|
| 3 | NOT USED |
|---|----------|

SQL AR-READY ZONE REQUIREMENTS



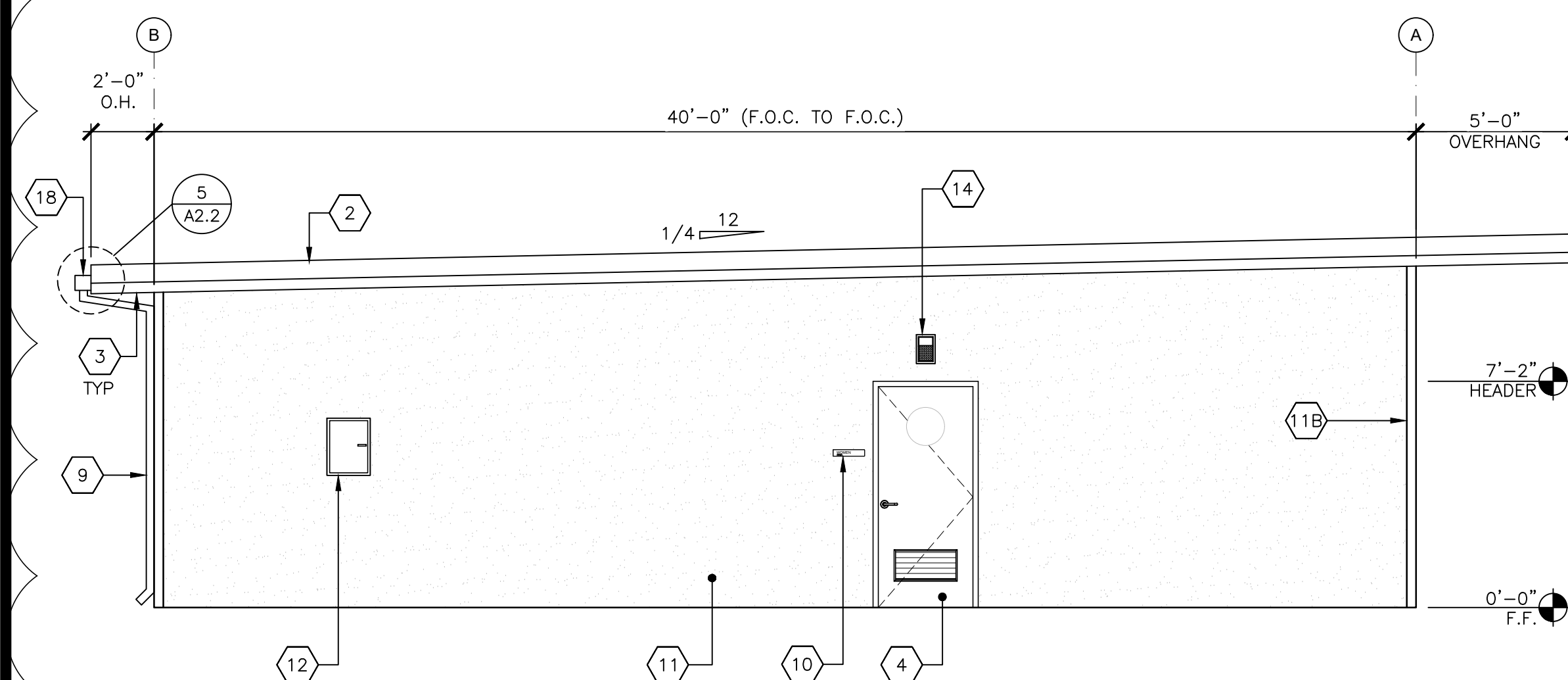
FRONT SIDE EXTERIOR ELEVATION

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



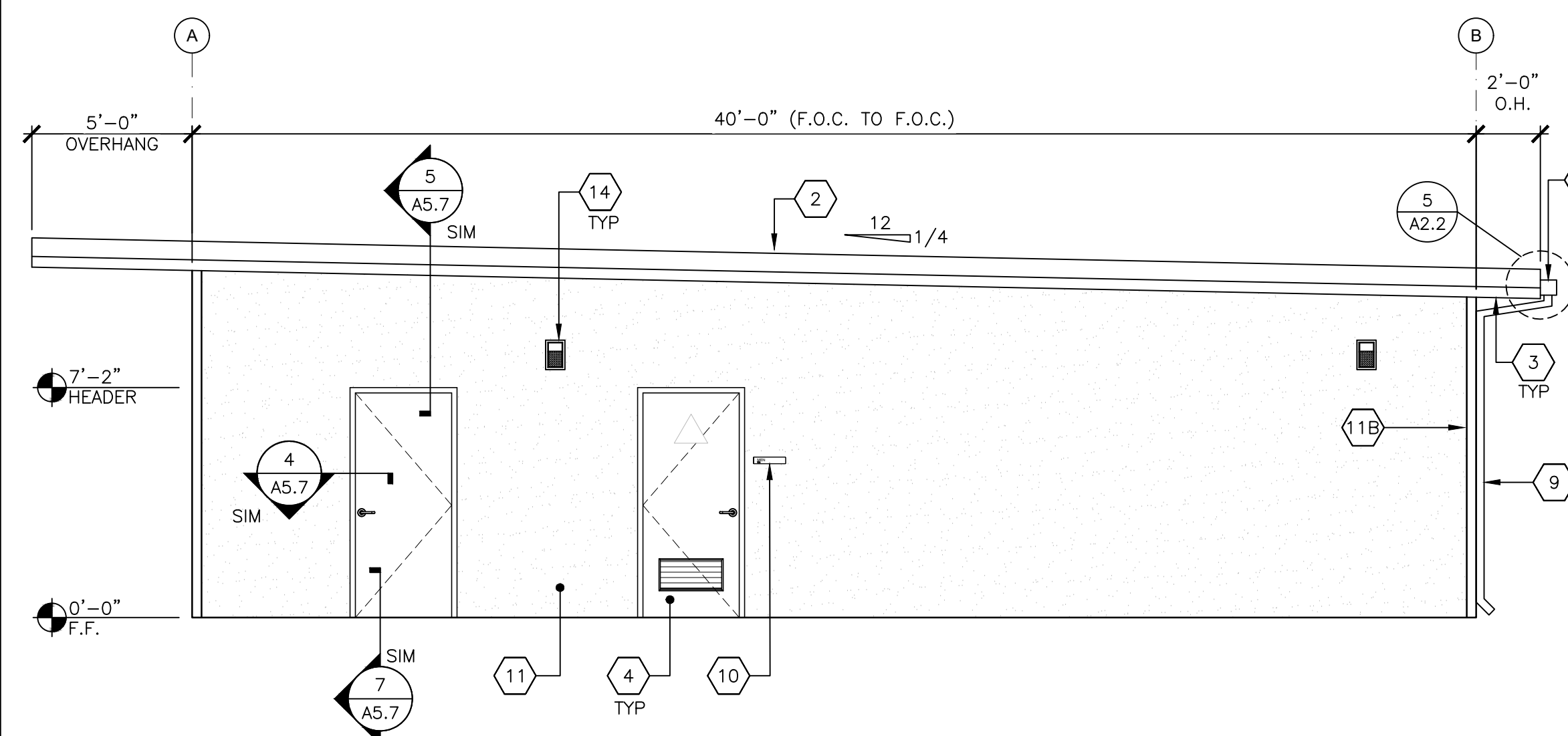
REAR SIDE EXTERIOR ELEVATION

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



LEFT SIDE EXTERIOR ELEVATION

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



RIGHT SIDE EXTERIOR ELEVATION

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

- 1 STANDING SEAM METAL ROOFING
- 2 SINGLE-PLY ROOFING
- 3 OVERHANG - SEE STRUCTURAL
- 4 TYP. EXTERIOR DOOR - SEE SCHEDULE SHEET N3.0
- 5 WINDOW OPENING
- 6 OPTIONAL PARAPET - SEE SHEET S4.3
- 7 SCUPPER @ PARAPET OPTION - SEE DETAIL 6/A2.5
- 8 4"x4" MIN. SCUPPER BOX @ PARAPET OPTION - SEE DETAIL 6 & 13/A2.5
- 9 DOWNSPOUT SEE DETAIL 8/A5.7 FOR ATTACHMENT
- 10 ROOM ID AND ISA SIGNAGE (BY OTHER)
SEE DETAILS 5 & 9/N4.0 - TYP.
- 11 SYNTHETIC STUCCO TEXTURED FINISH
- 11A 1x4 TRIM
- 11B 22 GA. CORNER FLASHING
- 12 ELECTRICAL DISCONNECT - SEE E1.0
- 13 NOT USED
- 14 EXTERIOR LIGHT - SEE ELECTRICAL
- 15 NOT USED
- 16 NOT USED
- 17 NOT USED
- 18 GUTTER - SEE ATTACHMENT DETAIL 5/A2.2 AT STANDING SEAM ROOFING, OR 5/A2.5 AT SINGLE-PLY / BUILT-UP ROOFING
- 19 MODULAR IDENTIFICATION TAG +90° ABOVE A.F.F.
- 20 NOSE BIBB - REFER TO P1.0

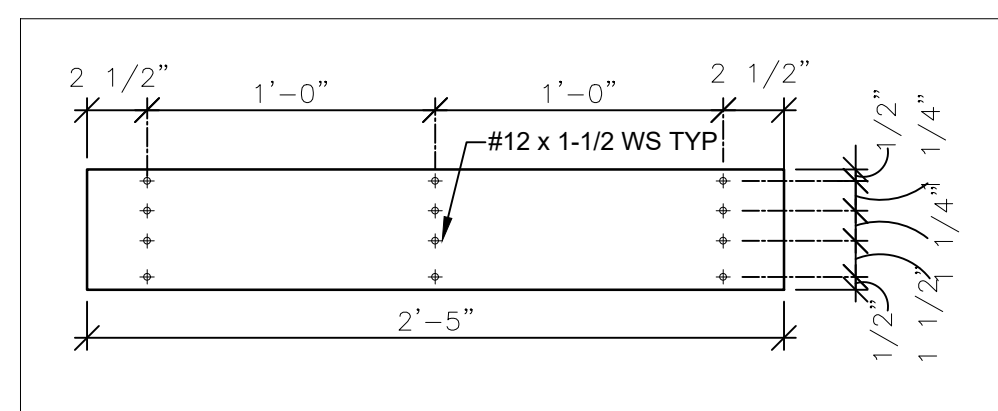
KEYNOTES

| PROJECT BUILDING | SPEC SIZE | BUILDING | 12'-0" MODULES | OVERALL SIZE |
|-------------------------------------|-----------|----------|----------------|--------------|
| <input checked="" type="checkbox"/> | | 24'x40' | 2 | 23'-8" |
| <input type="checkbox"/> | | 36'x40' | 3 | 35'-6" |
| <input type="checkbox"/> | | 48'x40' | 4 | 47'-4" |
| <input type="checkbox"/> | | 60'x40' | 5 | 59'-3" |
| <input type="checkbox"/> | | 72'x40' | 6 | 71'-1" |
| <input type="checkbox"/> | | 84'x40' | 7 | 82'-11" |
| <input type="checkbox"/> | | 96'x40' | 8 | 94'-9" |
| <input type="checkbox"/> | | 108'x40' | 9 | 106'-8" |
| <input type="checkbox"/> | | 120'x40' | 10 | 118'-6" |

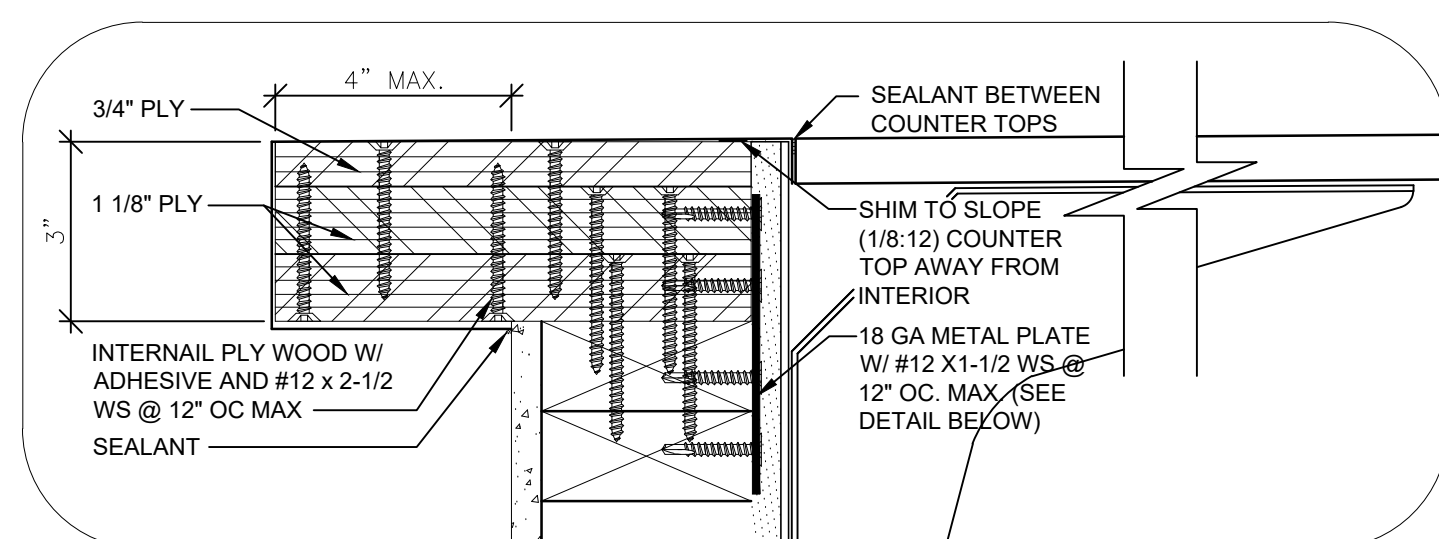
NOTES:

1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.0.

BUILDING SIZE SCHEDULE

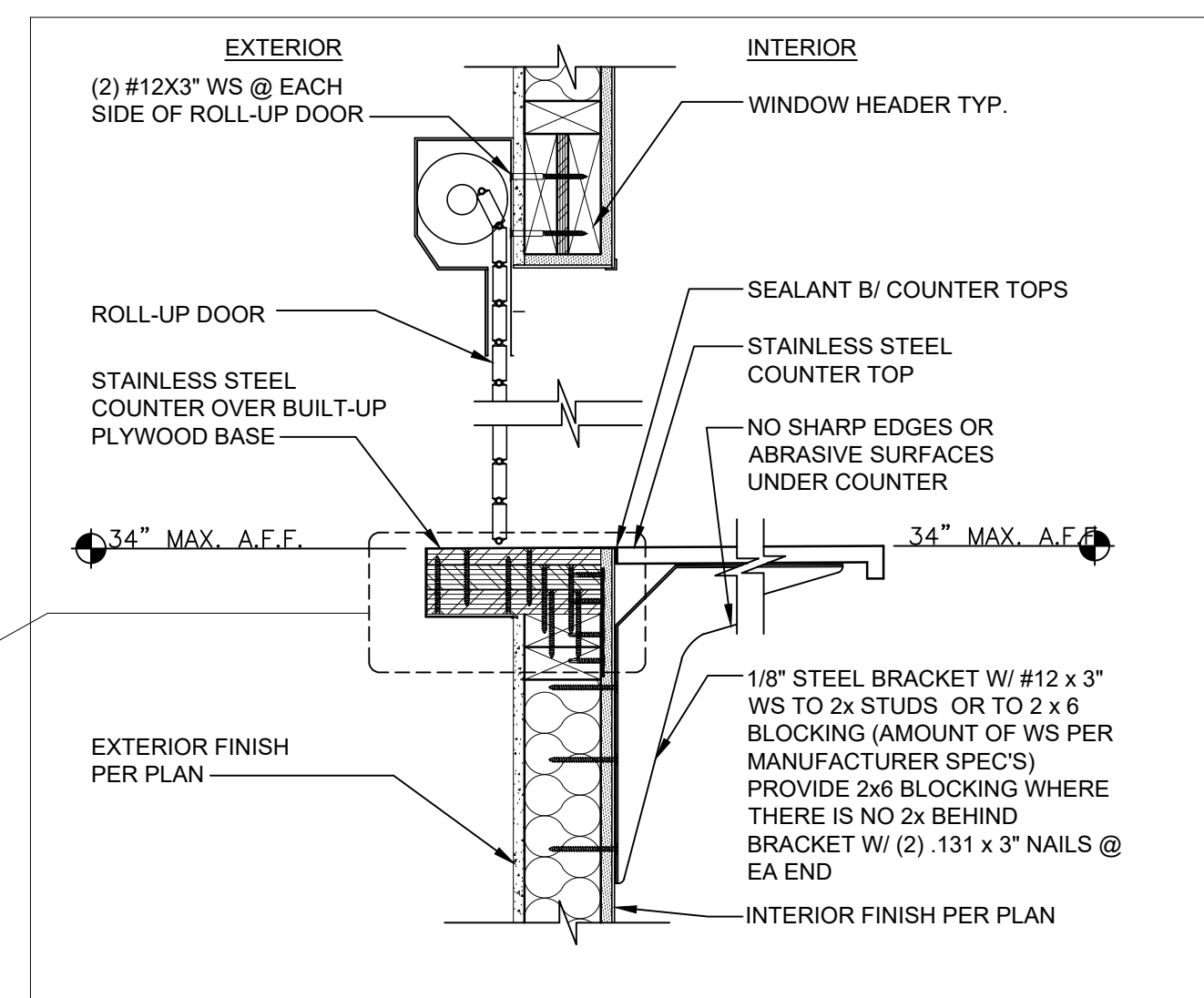


18 GA METAL PLATE



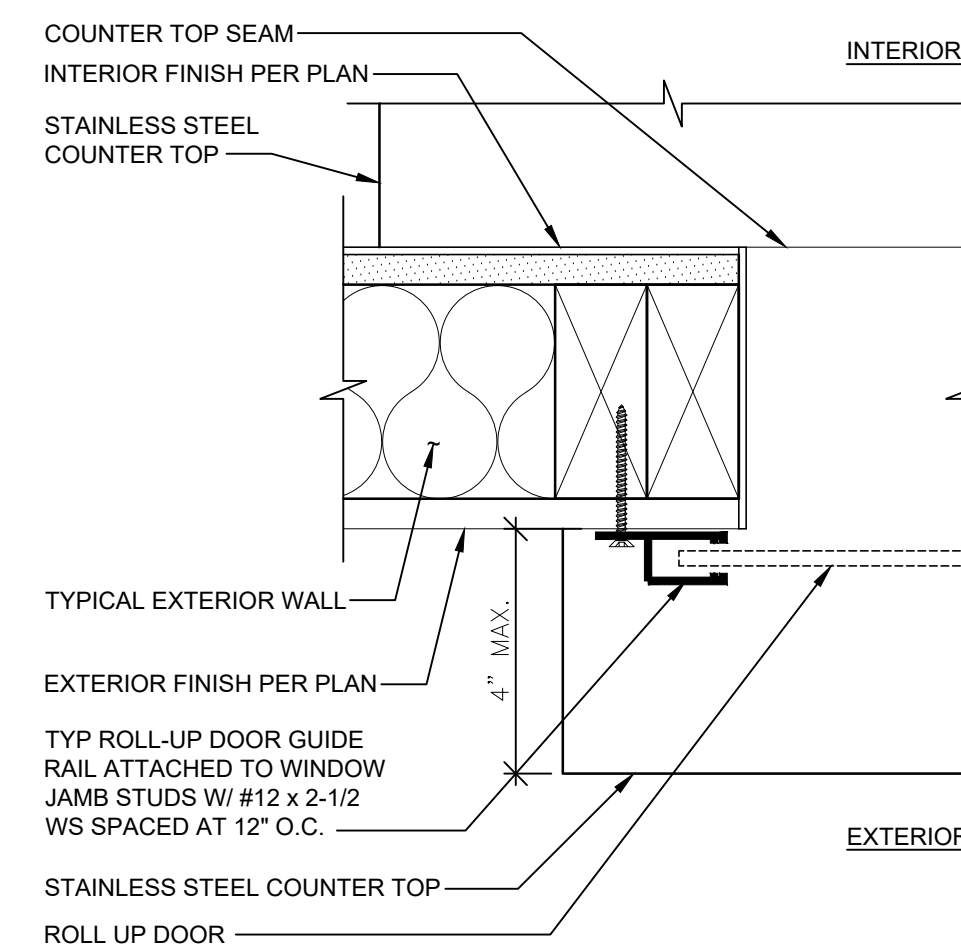
SERVICE WINDOW SECTION VIEW

SCALE : N.T.S.



SERVICE WINDOW SECTION VIEW

SCALE : N.T.S.



A

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PRE-CHECKED SET NAME

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

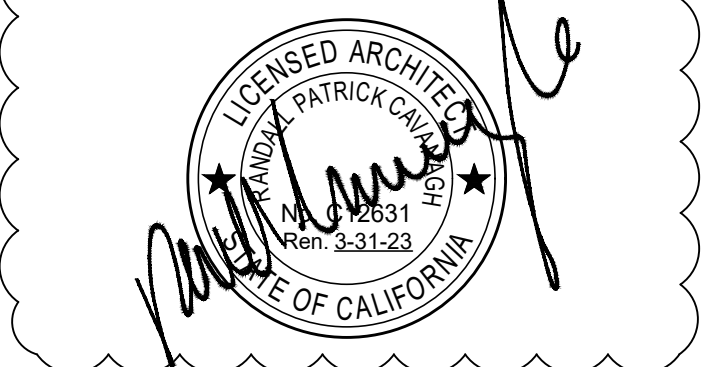
SITE SPECIFIC PROJECT NAME

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

SHEET TITLE

TYPICAL EXTERIOR
ELEVATIONS -
SYNTHETIC STUCCO

MANUFACTURER PROFESSIONAL OF RECORD ON PC



PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC02-115700

REVISIONS

DRAWN BY: AA/KA

SCALE: AS NOTED

DATE: 07/15/21

SHEET NUMBER

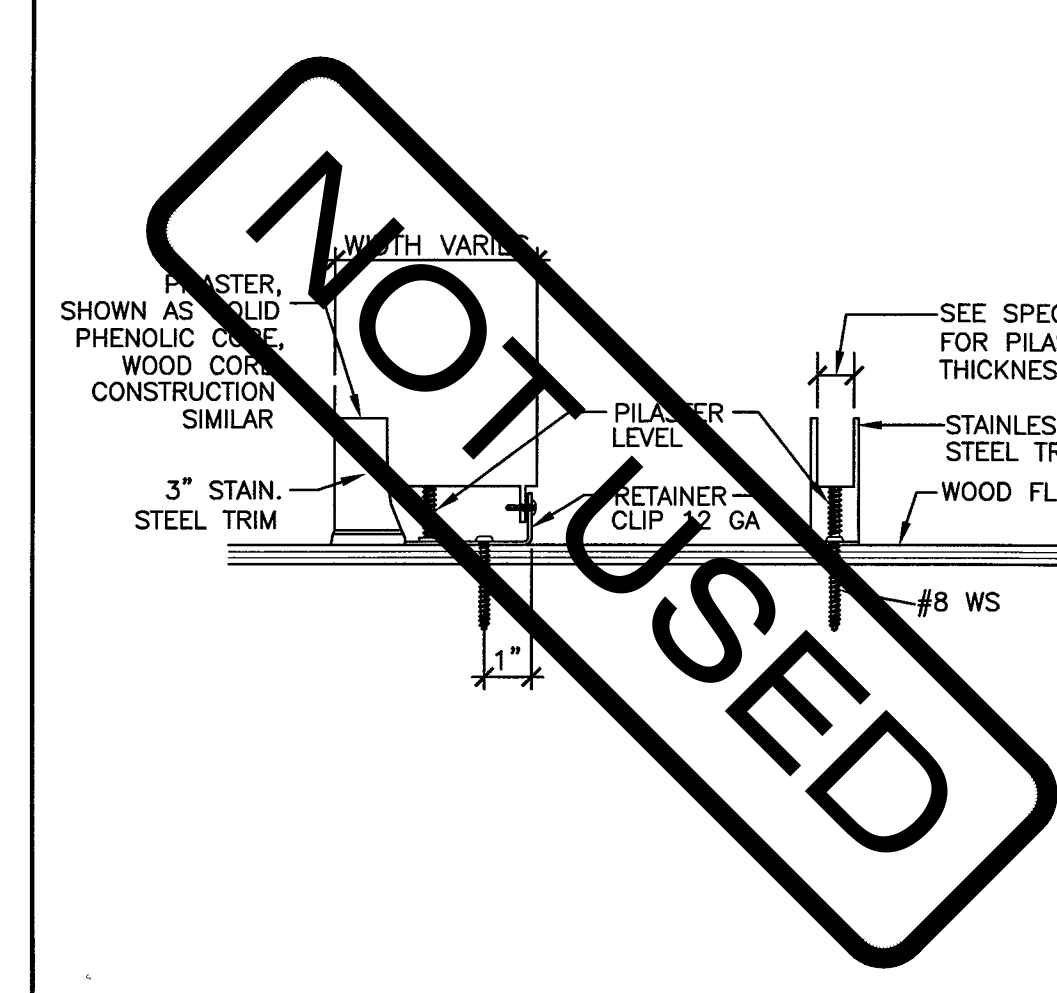
A5.6



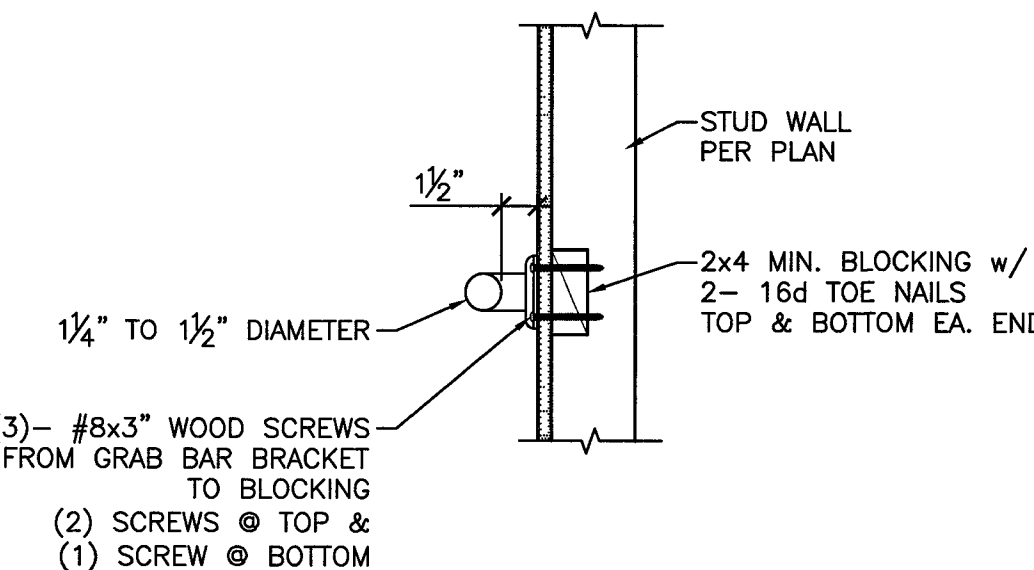
SEE SCHEDULE
FOR MAX HOLE
ALLOWED



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



PARTITION TO WOOD FLOOR



NOTE: FOR METAL STUD OPTION, SEE DETAILS
20/S9.1 AND 9&10/S9.2 FOR BLOCKING.

| |
|----------|
| NOT USED |
|----------|

PARTITION TO WOOD FLOOR



NOT TO SCALE

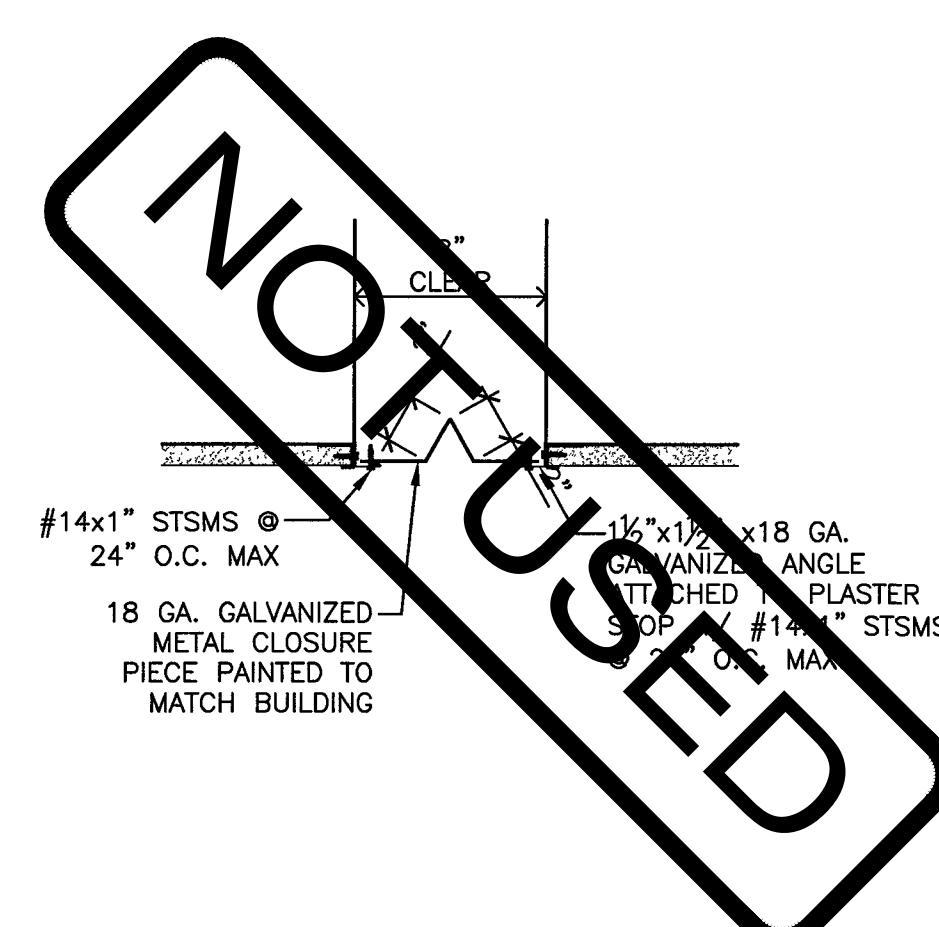


SCALE 1-1/2" =



SCALE 1 1/2" = 1' 0"

| | |
|--|----------|
| | NOT USED |
|--|----------|



| | |
|----|----------|
| 14 | NOT USED |
|----|----------|

| |
|----------|
| NOT USED |
|----------|

16

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

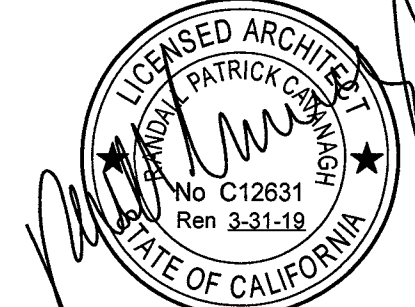
24'x40' THRU 120'x40'
STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

MISCELLANEOUS ARCHITECTURAL DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC



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UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

PROJECT SPECIFIC STATE AGENCY APPROVAL _____

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

PC 02-115700

AC *[Signature]* FLS *[Signature]* SS *[Signature]*

DATE 8-31-2018

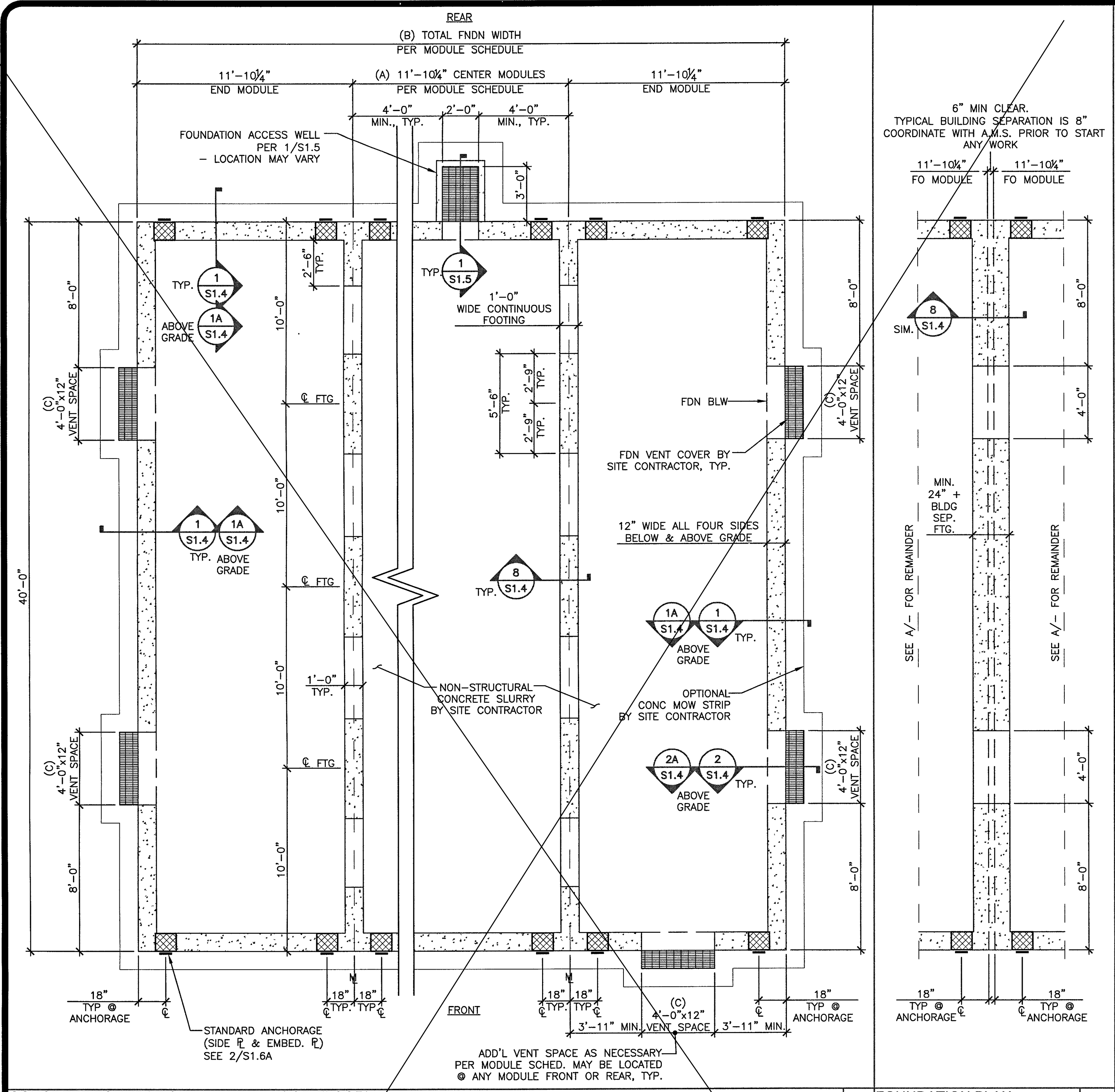
PRE-CHECK (PC) DOCUMENT
CODE 2016 CBC
A SEPARATE PROJECT APPLICATION FOR
CONSTRUCTION IS REQUIRED

REVISIONS

| | |
|-----------|----------|
| DRAWN BY: | . |
| SCALE: | AS NOTED |
| DATE: | . |

SHEET NUMBER

A7.1



CONCRETE FOUNDATION PLAN (PLYWOOD FLOOR)
50 PSF LIVE LOAD + 15 PSF PARTITION LOAD

1. DO NOT INSTALL BUILDING IN AREAS OF WATER FLOW LINES.
2. CONCRETE MIXTURES:
- A. ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH (f'c) SHALL BE 3500 PSI MIN. EXCEPT VENTS & ACCESS WELLS MAY BE 3,000 PSI MIN.
- B. PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.3.
- C. DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.4.
- D. CEMENT SHALL BE CERTIFIED PER TITLE 24, PART 2, SECTION 1910A.1.
3. BUILDINGS MAY BE SET ON CONCRETE FOUNDATIONS THAT HAVE REACHED A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 70% OF THE SPECIFIED DESIGN STRENGTH (f'c) STATED ABOVE IN NOTE #2. PRIOR TO THE SETTING OF THE MODULAR BUILDING ON CONCRETE FOUNDATIONS THAT HAVE NOT YET CURED 28 DAYS POST PLACEMENT OF FOUNDATION CONCRETE, THE FOUNDATION CONTRACTOR SHALL:
- A. HAVE THE PROJECT TESTING LAB PERFORM CONCRETE CYLINDER COMPRESSION TESTS OF THE FOUNDATION CONCRETE USED AT THE SITE.
- B. FURNISH THE PROJECT IOR AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WITH THE CONCRETE TEST REPORTS VERIFYING THAT THE FOUNDATION CONCRETE HAS REACHED THE MINIMUM STRENGTH AS SPECIFIED ABOVE, AND
- C. NOTIFY THE PROJECT IOR AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THEIR INTENT TO SET THE MODULAR BUILDING PRIOR TO 28 DAYS POST PLACEMENT OF FOUNDATION CONCRETE.
4. THE REINFORCING BARS MUST BE TESTED PER TITLE 24, PART 2, SECTION 1910A.2. TEST OF REINFORCING BARS MAY BE WAIVED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WITH THE APPROVAL OF DSA FOR A ONE-STORY BUILDING, PROVIDED CERTIFIED MILL TEST REPORTS ARE PROVIDED FOR EACH SHIPMENT OF SUCH REINFORCEMENT.
5. REINFORCING STEEL SHALL BE 60,000 PSI MINIMUM, PER ASTM A615.
6. DESIGN SOIL BEARING CAPACITY: 1500 PSF.
(1/3 INCREASE IN SOIL BEARING CAPACITY NOT PERMITTED UNLESS USING ALTERNATIVE BASIC LOAD COMBINATIONS PER CBC SECTION 1605A.3.2)
7. THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHALL VERIFY THE NET AREA OF THE UNDER-FLOOR VENTING IS EQUAL TO OR LARGER THAN THE VENT AREA REQUIRED (AS SHOWN ON THE ADJACENT TABLE).

| A FOUNDATION PLAN COMBINED SCALE: 1/4"=1'-0" | | | | | | | |
|--|-----------------------------|-------------------------------|----------------------|--------------------------------|-------------------------------------|---------------------------------|------------------------------------|
| NOMINAL BLDG. SIZE (FT) | TOTAL # OF 12' WIDE MODULES | "A" TOTAL # OF CENTER MODULES | "B" TOTAL FNDN WIDTH | TOTAL NOMINAL FLOOR AREA (FT²) | "C" MIN. TOTAL # 4'x1' VENTS REQ'D³ | NET FREE VENT AREA REQ'D³ (FT²) | NET FREE VENT AREA PROVIDED³ (FT²) |
| 24'x40' | 2 | 0 | 23'-8 1/2" | 960 | 3 | 6.4 | 8.7 |
| 36'x40' | 3 | 1 | 35'-6 1/2" | 1440 | 4 | 9.6 | 11.6 |
| 48'x40' | 4 | 2 | 47'-5" | 1920 | 5 | 12.8 | 14.6 |
| 60'x40' | 5 | 3 | 59'-3 1/4" | 2400 | 6 | 16.0 | 17.5 |
| 72'x40' | 6 | 4 | 71'-1 1/2" | 2880 | 7 | 19.2 | 20.4 |
| 84'x40' | 7 | 5 | 82'-11 1/4" | 3360 | 8 | 22.4 | 23.3 |
| 96'x40' | 8 | 6 | 94'-10" | 3840 | 9 | 25.6 | 26.2 |
| 108'x40' | 9 | 7 | 106'-8 1/4" | 4320 | 10 | 28.8 | 29.2 |
| 120'x40' | 10 | 8 | 118'-6 1/2" | 4800 | 11 | 32.0 | 32.1 |

NOTES:

1. TOTAL FOUNDATION WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE.

2. UNLESS NOTED OTHERWISE, DIMENSIONS ARE FROM FACE OF CONCRETE TO FACE OF CONCRETE (F.O.C. TO F.O.C.)

3. THE NUMBER OF VENTS REQUIRED IS BASED ON THE VENT NET FREE AREA (NFA) PROVIDED BEING GREATER OR EQUAL TO THE VENT NFA REQUIRED. VENT NFA REQUIRED IS BASED ON A 1:150 VENTILATION RATIO OF THE NOMINAL BUILDING FLOOR AREA. VENT NFA PROVIDED IS THE ACTUAL OPEN AREA WITH A VENT GROSS AREA REDUCTION PERCENTAGE OF 73% & NUMBER OF VENTS PROVIDED.

$NFA_{REQUIRED} = A_{FLOOR} / 150$

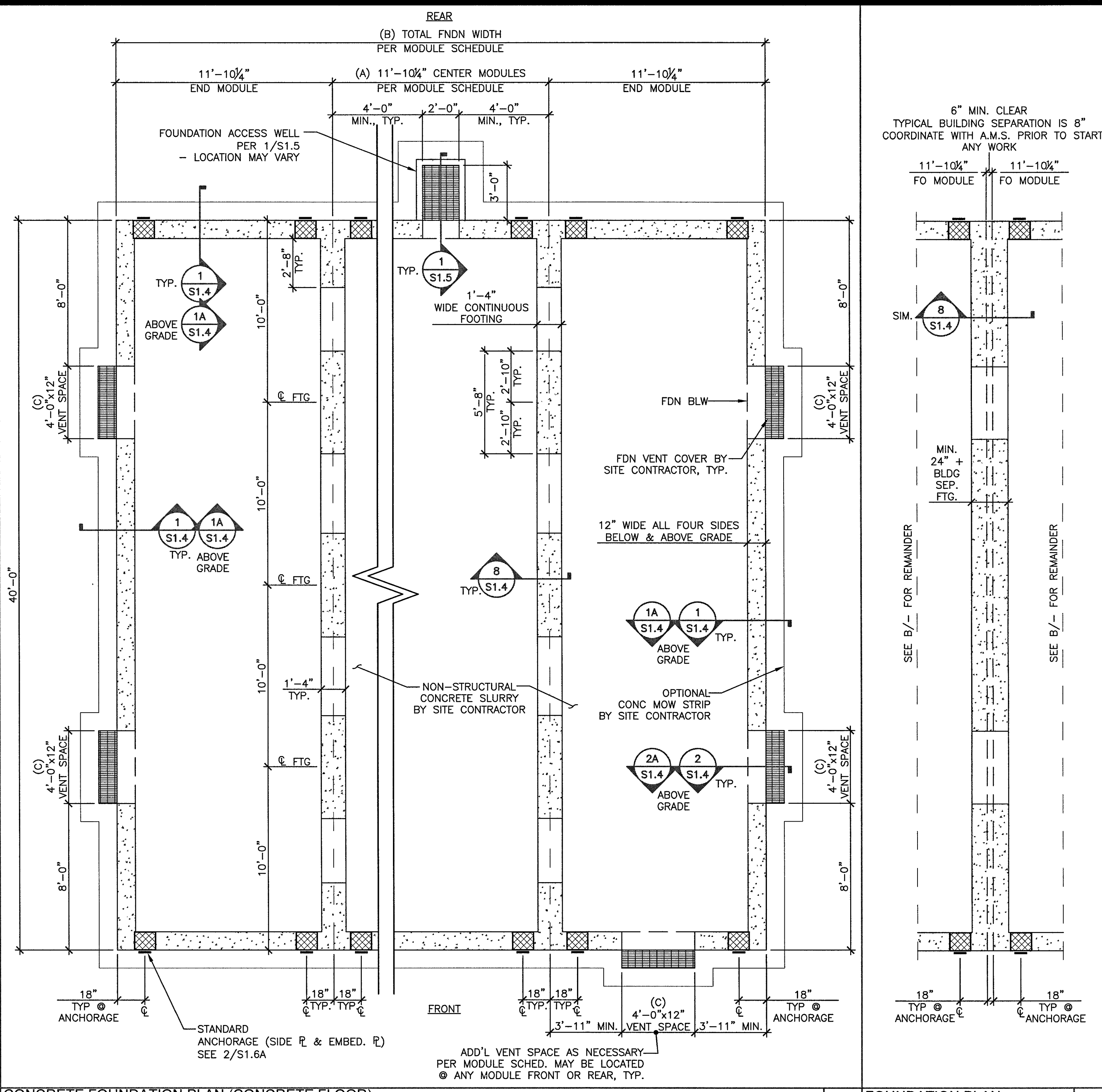
$NFA_{PROVIDED} > NFA_{REQUIRED}$

$A_{VENT,GROSS} \times 73\% \times (\# \text{ OF VENTS}) > NFA_{REQUIRED}$

$(12' \times 4') \times 0.73 \times (\# \text{ OF VENTS}) > NFA_{REQUIRED}$

$2.92 \text{ FT}^2 \times (\# \text{ OF VENTS}) > NFA_{REQUIRED}$

CONCRETE FOUNDATION PLAN (CONCRETE FLOOR)
50 PSF LIVE LOAD + 15 PSF PARTITION LOAD



CONCRETE FOUNDATION PLAN (CONCRETE FLOOR)
50 PSF LIVE LOAD + 15 PSF PARTITION LOAD

1. DO NOT INSTALL BUILDING IN AREAS OF WATER FLOW LINES.
2. CONCRETE MIXTURES:
- A. ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH (f'c) SHALL BE 3500 PSI MIN. EXCEPT VENTS & ACCESS WELLS MAY BE 3,000 PSI MIN.
- B. PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.3.
- C. DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.4.
- D. CEMENT SHALL BE CERTIFIED PER TITLE 24, PART 2, SECTION 1910A.1.
3. BUILDINGS MAY BE SET ON CONCRETE FOUNDATIONS THAT HAVE REACHED A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 70% OF THE SPECIFIED DESIGN STRENGTH (f'c) STATED ABOVE IN NOTE #2. PRIOR TO THE SETTING OF THE MODULAR BUILDING ON CONCRETE FOUNDATIONS THAT HAVE NOT YET CURED 28 DAYS POST PLACEMENT OF FOUNDATION CONCRETE, THE FOUNDATION CONTRACTOR SHALL:
- A. HAVE THE PROJECT TESTING LAB PERFORM CONCRETE CYLINDER COMPRESSION TESTS OF THE FOUNDATION CONCRETE USED AT THE SITE.
- B. FURNISH THE PROJECT IOR AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WITH THE CONCRETE TEST REPORTS VERIFYING THAT THE FOUNDATION CONCRETE HAS REACHED THE MINIMUM STRENGTH AS SPECIFIED ABOVE, AND
- C. NOTIFY THE PROJECT IOR AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THEIR INTENT TO SET THE MODULAR BUILDING PRIOR TO 28 DAYS POST PLACEMENT OF FOUNDATION CONCRETE.
4. THE REINFORCING BARS MUST BE TESTED PER TITLE 24, PART 2, SECTION 1910A.2. TEST OF REINFORCING BARS MAY BE WAIVED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WITH THE APPROVAL OF DSA FOR A ONE-STORY BUILDING, PROVIDED CERTIFIED MILL TEST REPORTS ARE PROVIDED FOR EACH SHIPMENT OF SUCH REINFORCEMENT.
5. REINFORCING STEEL SHALL BE 60,000 PSI MINIMUM, PER ASTM A615.
6. DESIGN SOIL BEARING CAPACITY: 1500 PSF.
(1/3 INCREASE IN SOIL BEARING CAPACITY NOT PERMITTED UNLESS USING ALTERNATIVE BASIC LOAD COMBINATIONS PER CBC SECTION 1605A.3.2)
7. THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHALL VERIFY THE NET AREA OF THE UNDER-FLOOR VENTING IS EQUAL TO OR LARGER THAN THE VENT AREA REQUIRED (AS SHOWN ON THE ADJACENT TABLE).

| B FOUNDATION PLAN COMBINED SCALE: 1/4"=1'-0" | | | | | | | |
|--|-----------------------------|-------------------------------|----------------------|--------------------------------|-------------------------------------|---------------------------------|------------------------------------|
| NOMINAL BLDG. SIZE (FT) | TOTAL # OF 12' WIDE MODULES | "A" TOTAL # OF CENTER MODULES | "B" TOTAL FNDN WIDTH | TOTAL NOMINAL FLOOR AREA (FT²) | "C" MIN. TOTAL # 4'x1' VENTS REQ'D³ | NET FREE VENT AREA REQ'D³ (FT²) | NET FREE VENT AREA PROVIDED³ (FT²) |
| 24'x40' | 2 | 0 | 23'-8 1/2" | 960 | 3 | 6.4 | 8.7 |
| 36'x40' | 3 | 1 | 35'-6 1/2" | 1440 | 4 | 9.6 | 11.6 |
| 48'x40' | 4 | 2 | 47'-5" | 1920 | 5 | 12.8 | 14.6 |
| 60'x40' | 5 | 3 | 59'-3 1/4" | 2400 | 6 | 16.0 | 17.5 |
| 72'x40' | 6 | 4 | 71'-1 1/2" | 2880 | 7 | 19.2 | 20.4 |
| 84'x40' | 7 | 5 | 82'-11 1/4" | 3360 | 8 | 22.4 | 23.3 |
| 96'x40' | 8 | 6 | 94'-10" | 3840 | 9 | 25.6 | 26.2 |
| 108'x40' | 9 | 7 | 106'-8 1/4" | 4320 | 10 | 28.8 | 29.2 |
| 120'x40' | 10 | 8 | 118'-6 1/2" | 4800 | 11 | 32.0 | 32.1 |

NOTES:

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2. UNLESS NOTED OTHERWISE, DIMENSIONS ARE FROM FACE OF CONCRETE TO FACE OF CONCRETE (F.O.C. TO F.O.C.)

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$NFA_{REQUIRED} = A_{FLOOR} / 150$

$NFA_{PROVIDED} > NFA_{REQUIRED}$

$A_{VENT,GROSS} \times 73\% \times (\# \text{ OF VENTS}) > NFA_{REQUIRED}$

$(12' \times 4') \times 0.73 \times (\# \text{ OF VENTS}) > NFA_{REQUIRED}$

$2.92 \text{ FT}^2 \times (\# \text{ OF VENTS}) > NFA_{REQUIRED}$

CONCRETE FOUNDATION PLAN (PLYWOOD FLOOR)
50 PSF LIVE LOAD + 15 PSF PARTITION LOAD

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 120'x40'
STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

CONCRETE FOUNDATION PLAN
(50 PSF LIVE LOAD + 15 PSF
FLOOR PARTITION LOAD)

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
PATRICK C. MANN
No. C12631
Ren. 2-23-19
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL
D. P. MANN
No. 53380
STRUCTURAL
STATE OF CALIFORNIA
8-20-18
RST18175

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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-115700
AC ☒ FLS ☒ SS ☒
DATE: 8-21-2018

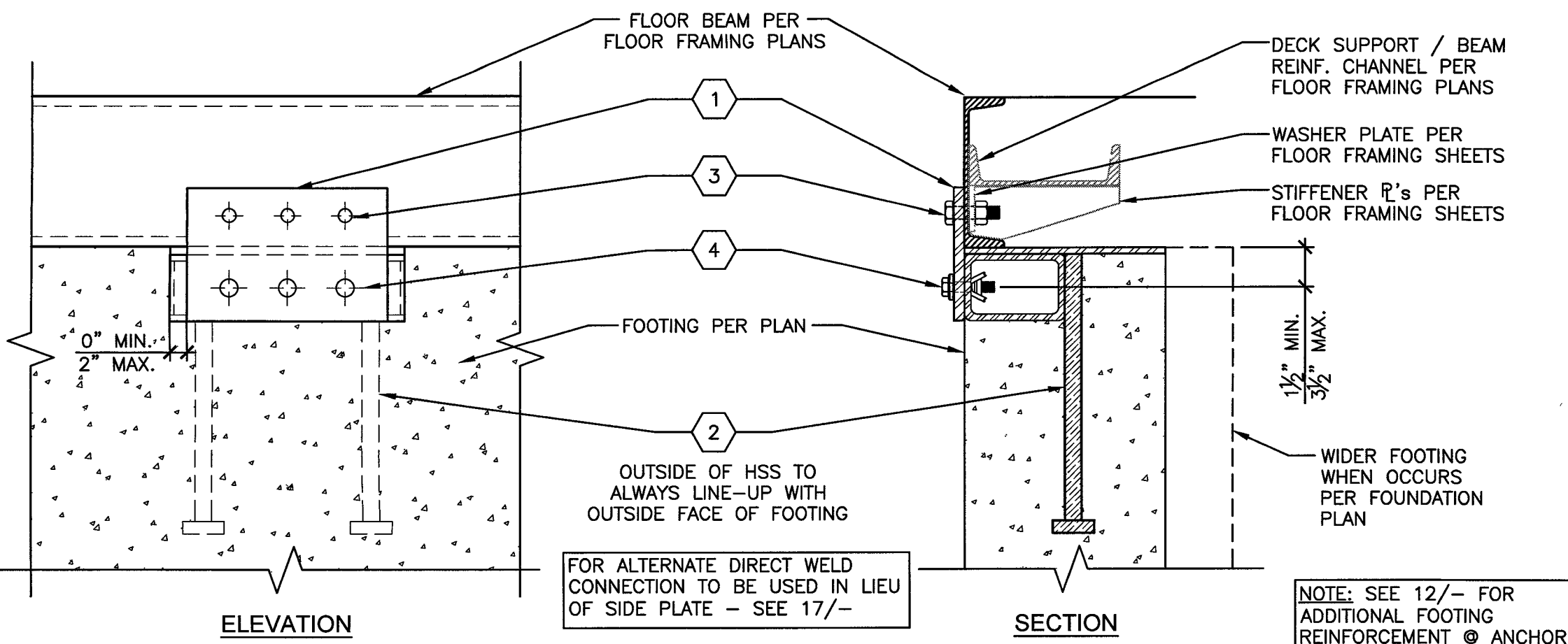
PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR
CONSTRUCTION IS REQUIRED

REVISIONS

DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER

S1.1

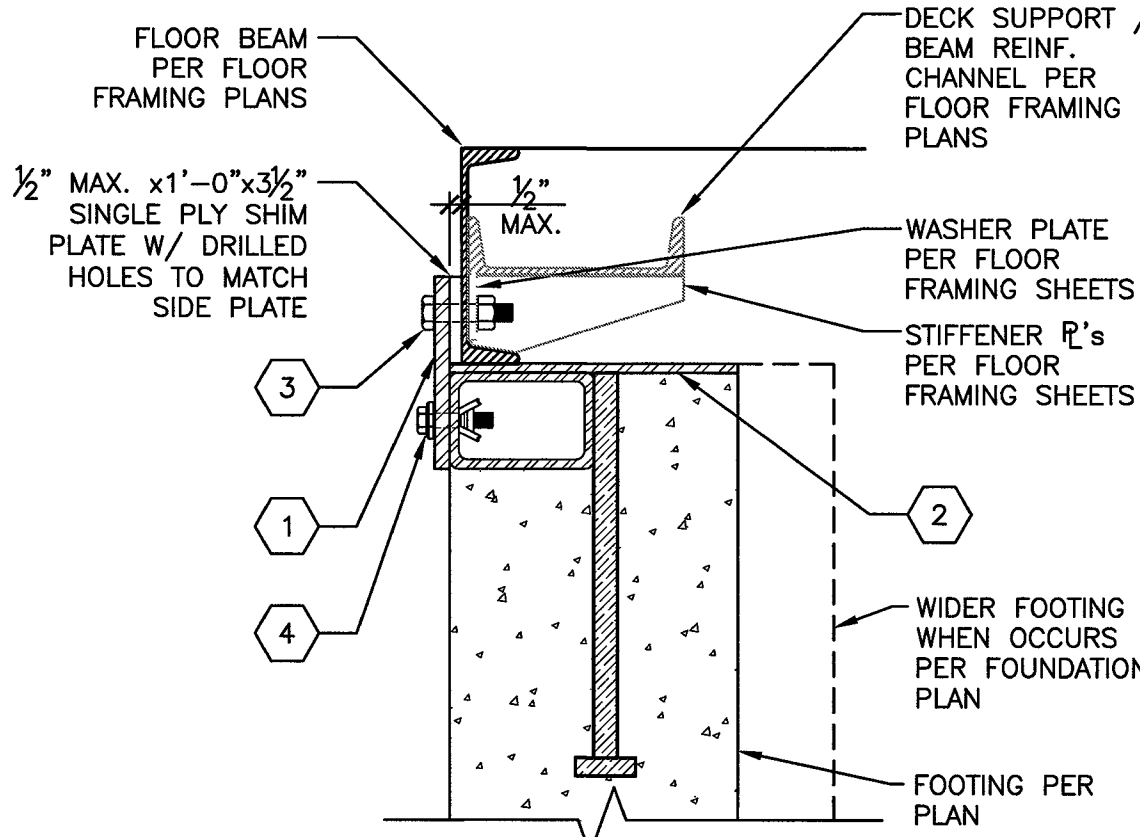


STANDARD ANCHORAGE DETAIL

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

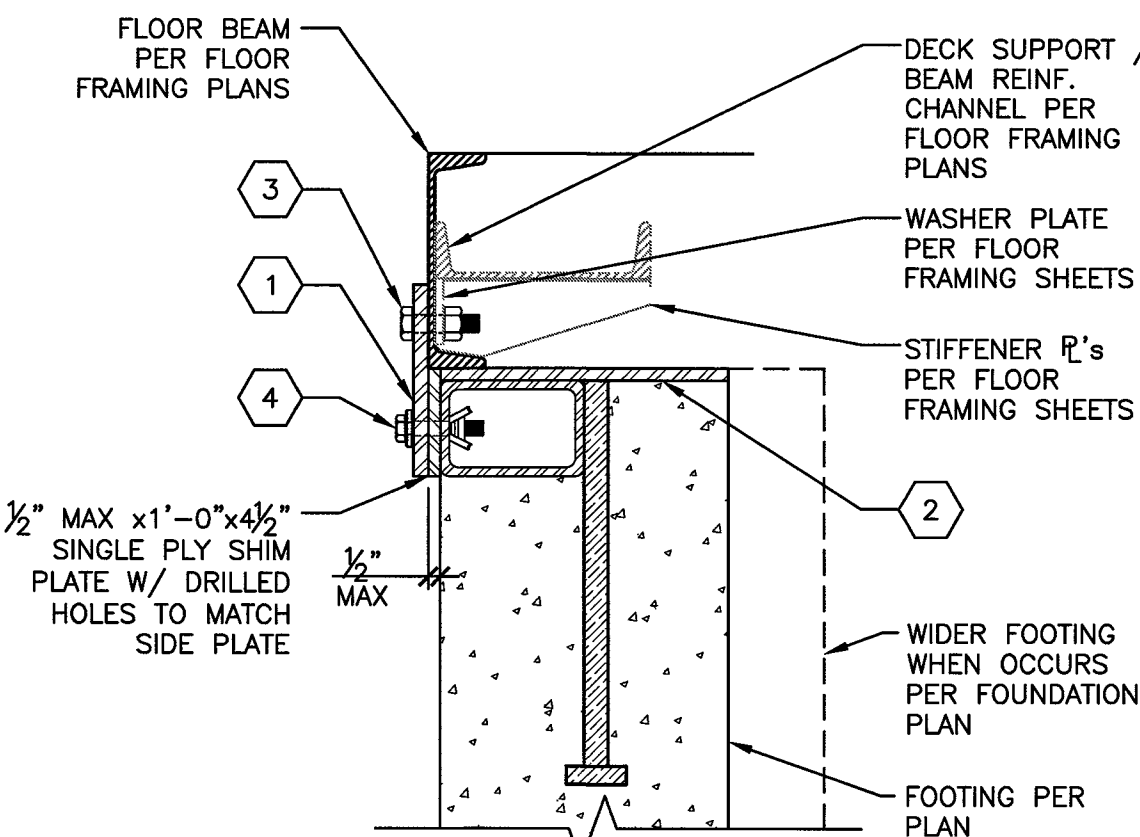
SIDE PLATE DETAIL

SCALE 3" = 1'-0"



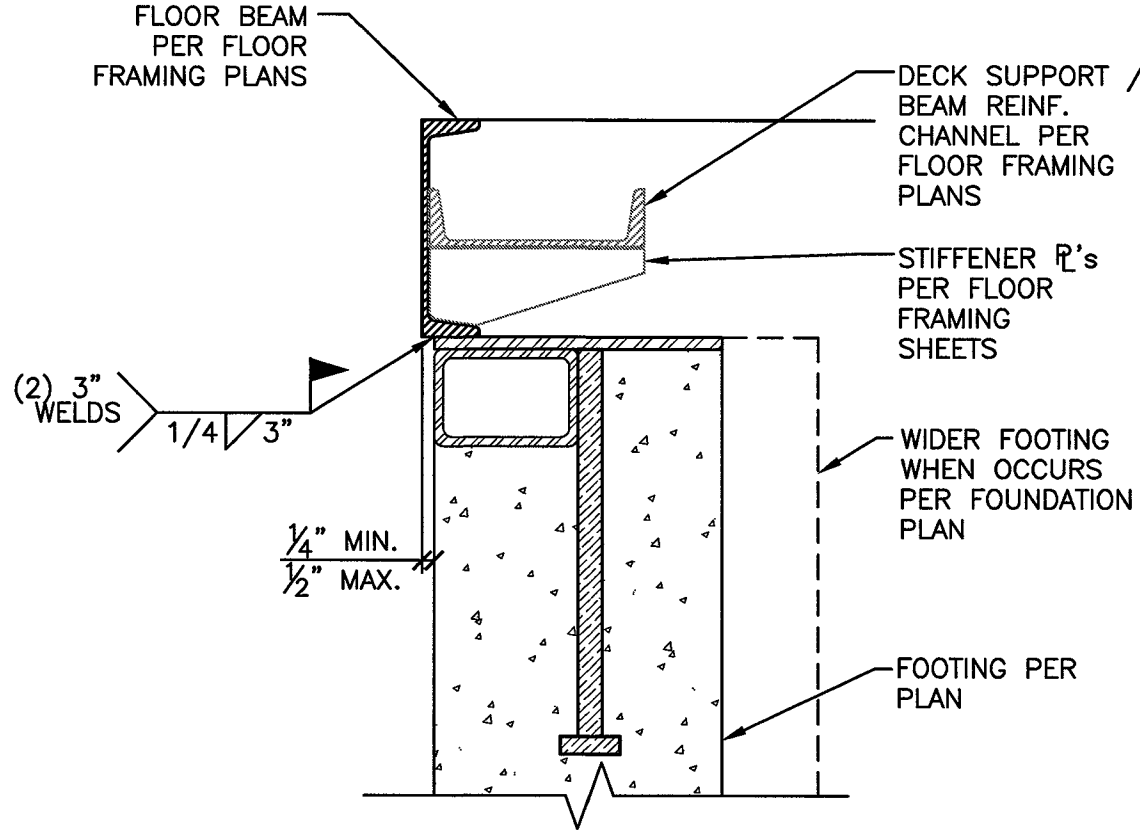
OPT. SHIM @ TOP

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



OPT. SHIM @ BOT

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



ALTERNATE DIRECT WELD @ OFFSET

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

EMBEDDED ANCHOR DETAIL

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

NOT USED

NOT USED

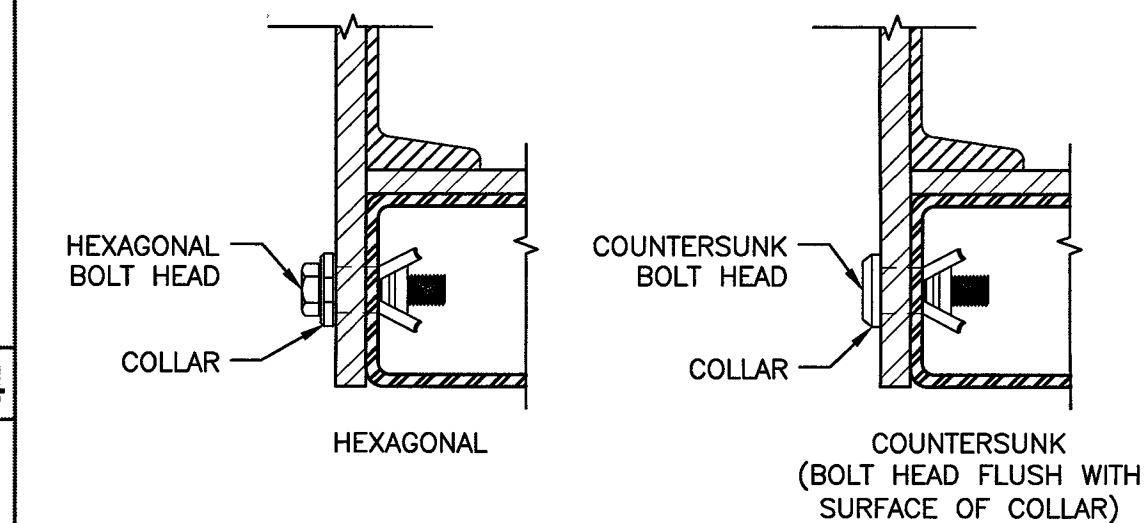
ALTERNATE DIRECT WELD @ OFFSET

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

- 1/2"x8"x1'-0" (36 KSI) OR 3/8"x8"x1'-0" (50 KSI) SIDE PLATE. LOCATION PER PLAN - SEE 3/-
- EMBEDDED ANCHOR. LOCATION PER PLAN - SEE 5/-
- 3/4" M.B. THRU-BOLTED THROUGH SIDE PLATE & FLOOR BEAM w/ 1 1/2" HOLES - SEE 8/- FOR OPTIONAL SHIM DETAIL.
- 3/8" LHM16 "HOLLO-BOLT" EXPANSION BOLTS PER ICC ESR-3330 THROUGH SIDE PLATE INTO THE HSS OF THE EMBEDDED ANCHOR w/ 1 1/2" HOLES - SEE GENERAL NOTES FOR SPECS. & INSTALLATION REQUIREMENTS, - SEE 13/- FOR OPTIONAL SHIM DETAIL.
- 3 #3 VERTICAL HOOPS PER 12/-, FORMED PER 5/S1.4 & EVENLY SPACED @ ANCHORS.
- 2 #4 BENT BARS CENTERED ON ANCHORS - (1) EA. SIDE OF ANCHORS. 30" * 30" * * BEND DOWN @ VENTS OR AROUND PERIMETER @ CORNER.
- #3 HORIZONTAL HOOPS PER 12/-, FORMED PER 5/S1.4 & SPACED @ 6" O.C.
- ADDITIONAL #5x8'-0" CENTERED @ ANCHOR. BEND DOWN @ VENTS OR AROUND PERIMETER @ CORNERS.

KEY NOTES

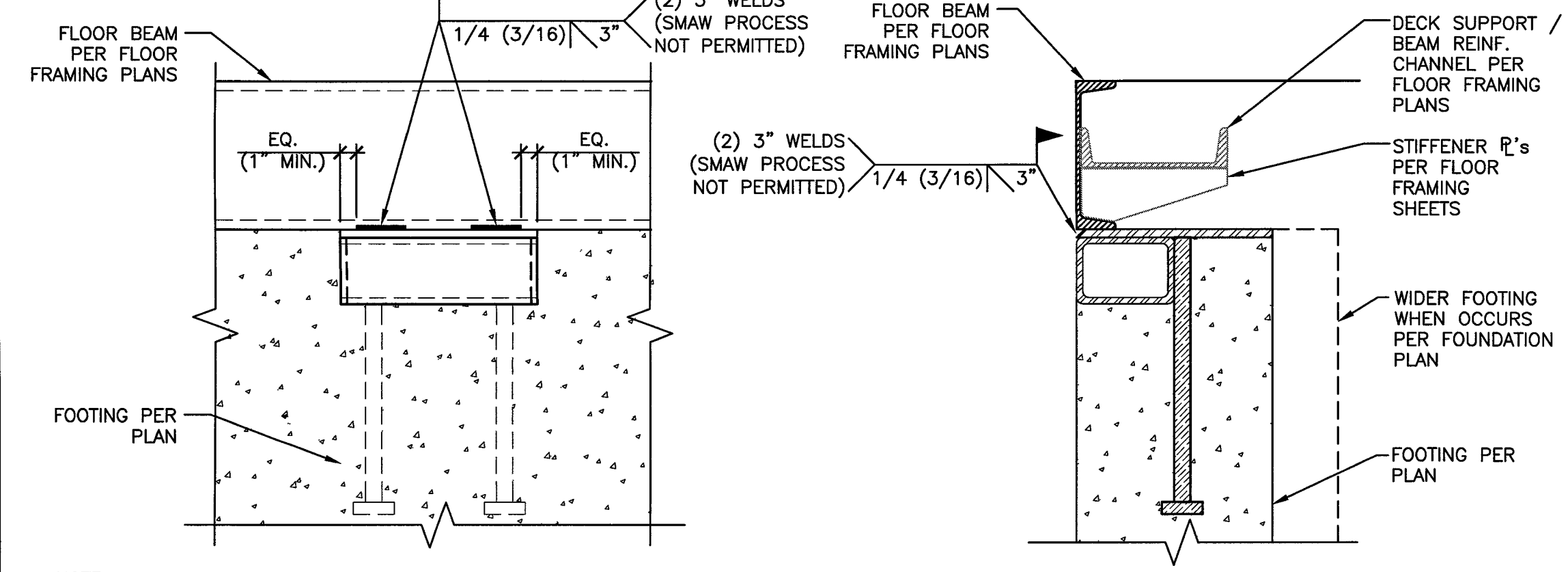
1. DETAILS ON THIS SHEET SHALL APPLY WHERE STANDARD ANCHORAGE IS SPECIFIED ON THE FOUNDATION PLANS.
2. EACH ANCHORAGE POINT SPECIFIED ON PLAN SHALL CONSIST OF AN EMBEDDED ANCHOR AND EITHER A BOLTED SIDE PLATE OR ALTERNATE DIRECT WELD AS DETAILED ON DETAIL 2/-.
3. ANCHOR REINFORCEMENT PER DETAIL 12/- SHALL BE PLACED AT ALL EMBEDDED ANCHOR LOCATIONS.
4. EXPANSION BOLTS SHALL BE "HOLLO-BOLTS" BY LANDPATER OR AN EQUIVALENT ICC ACCEPTED BOLT.
5. "HOLLO-BOLTS" ARE SPECIFIED AND TO BE INSTALLED PER ICC-ES REPORT ESR-3330 WITH AN INSTALLATION TIGHTENING TORQUE OF 140 FT.-LBS & ARE TO BE SUBJECT TO THE MANUFACTURER'S INSPECTION PROCEDURES FOUND ON SHEET D1 OF THESE DRAWINGS.
6. "HOLLO-BOLT" HEADS MAY BE HEXAGONAL OR COUNTERSUNK, AS SHOWN BELOW (NOT TO SCALE). FLUSH FIT "HOLLO-BOLT" OPTION NOT PERMITTED.



7. UPGRADED ANCHORAGE PER SHEET S1.6B MAY BE USED AS AN ALTERNATIVE TO STANDARD ANCHORAGE WHERE STANDARD ANCHORAGE IS SPECIFIED ON PLANS.

EMBEDDED ANCHOR REINFORCEMENT DETAIL

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



ALTERNATE DIRECT WELD CONNECTION

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

ALTERNATE DIRECT WELD @ OFFSET

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

GENERAL NOTES

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 120'x40'
STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

STANDARD FOUNDATION
ANCHORAGE DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

REGISTERED ARCHITECT
MICHAEL PATRICK CANNON
No. C12631
Ren. 2-31-19
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MICHAEL P. FRANKLIN
No. S3380
STRUCTURAL
STATE OF CALIFORNIA
01-08-19

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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
REV
PC 02-115700
AC ☒ FLS ☒ SS ☒
DATE: 6-21-2019

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

REVISIONS

GENERAL REVISIONS - 01/02/19

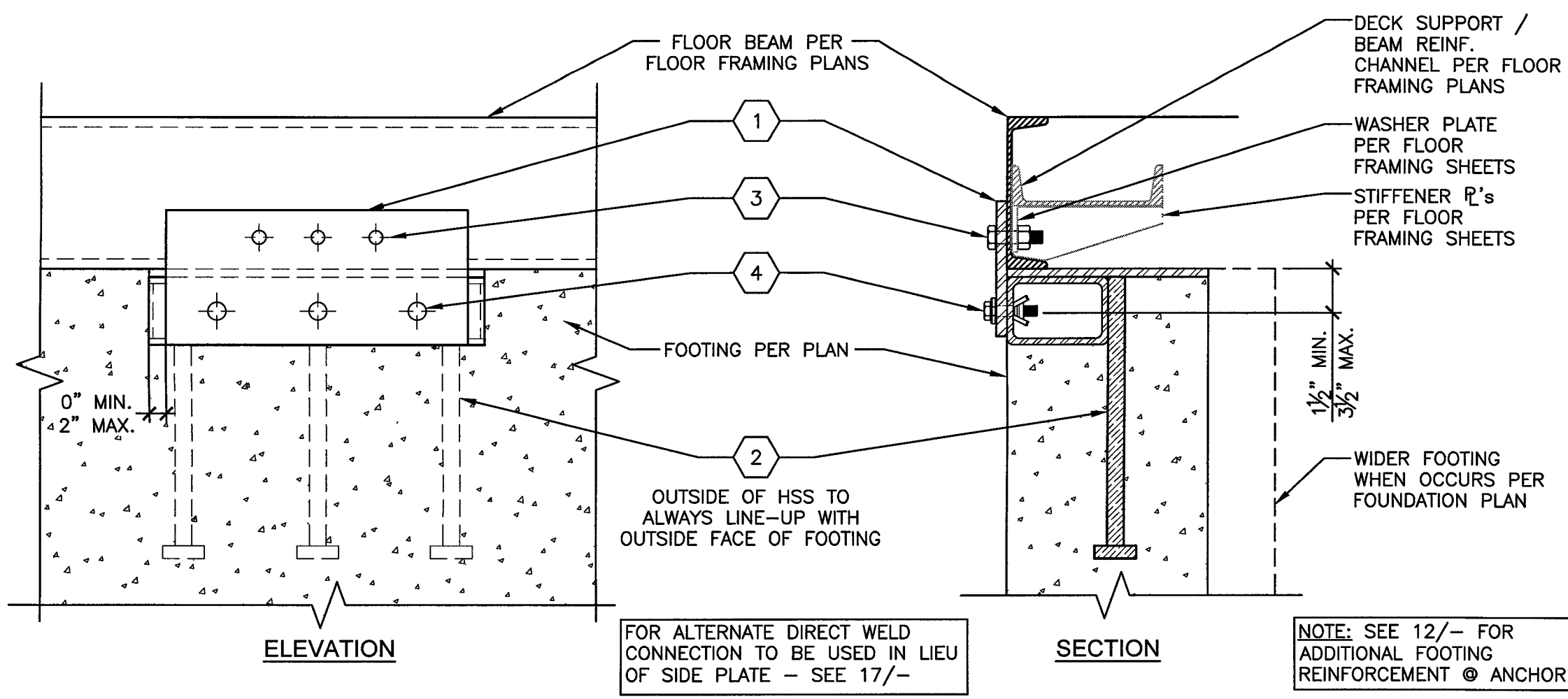
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DATE:

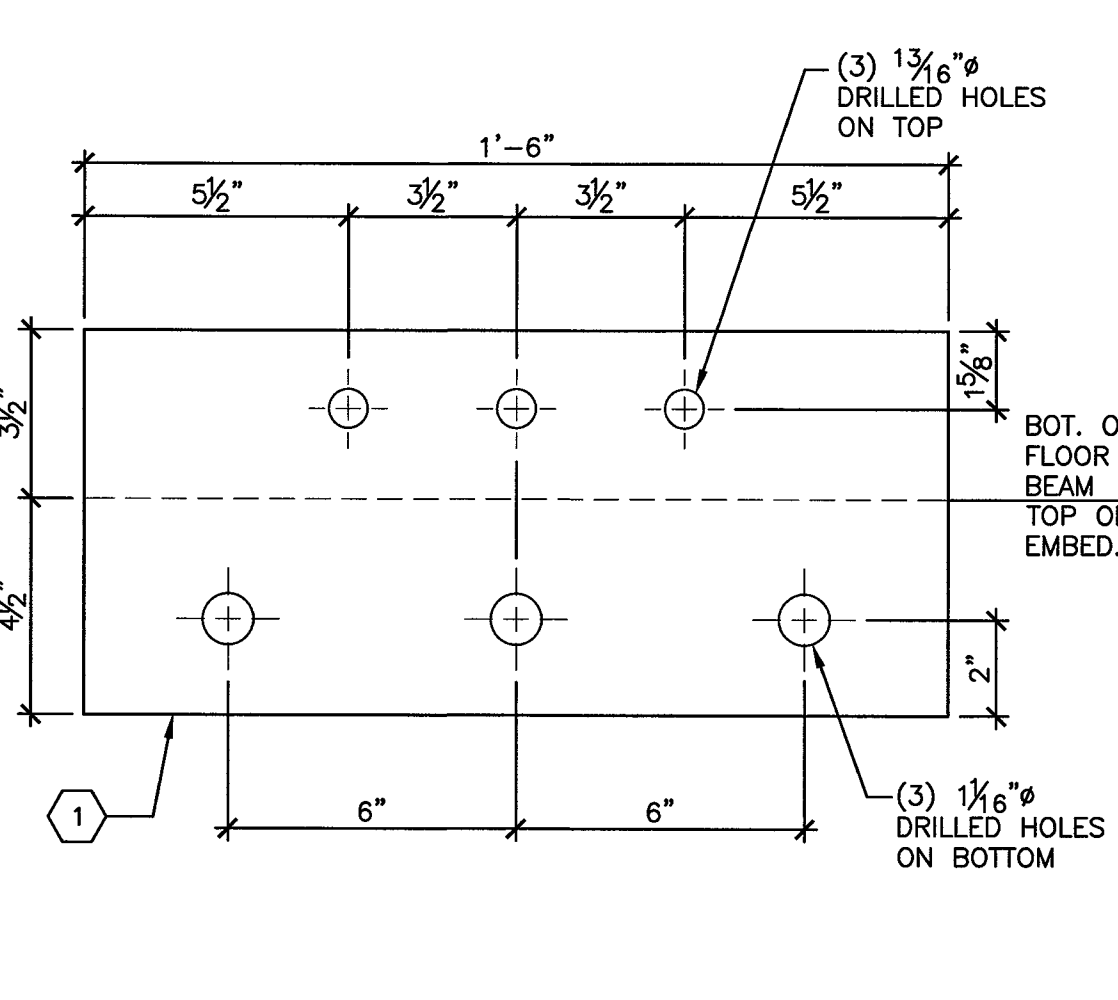
SHEET NUMBER

S1.6A



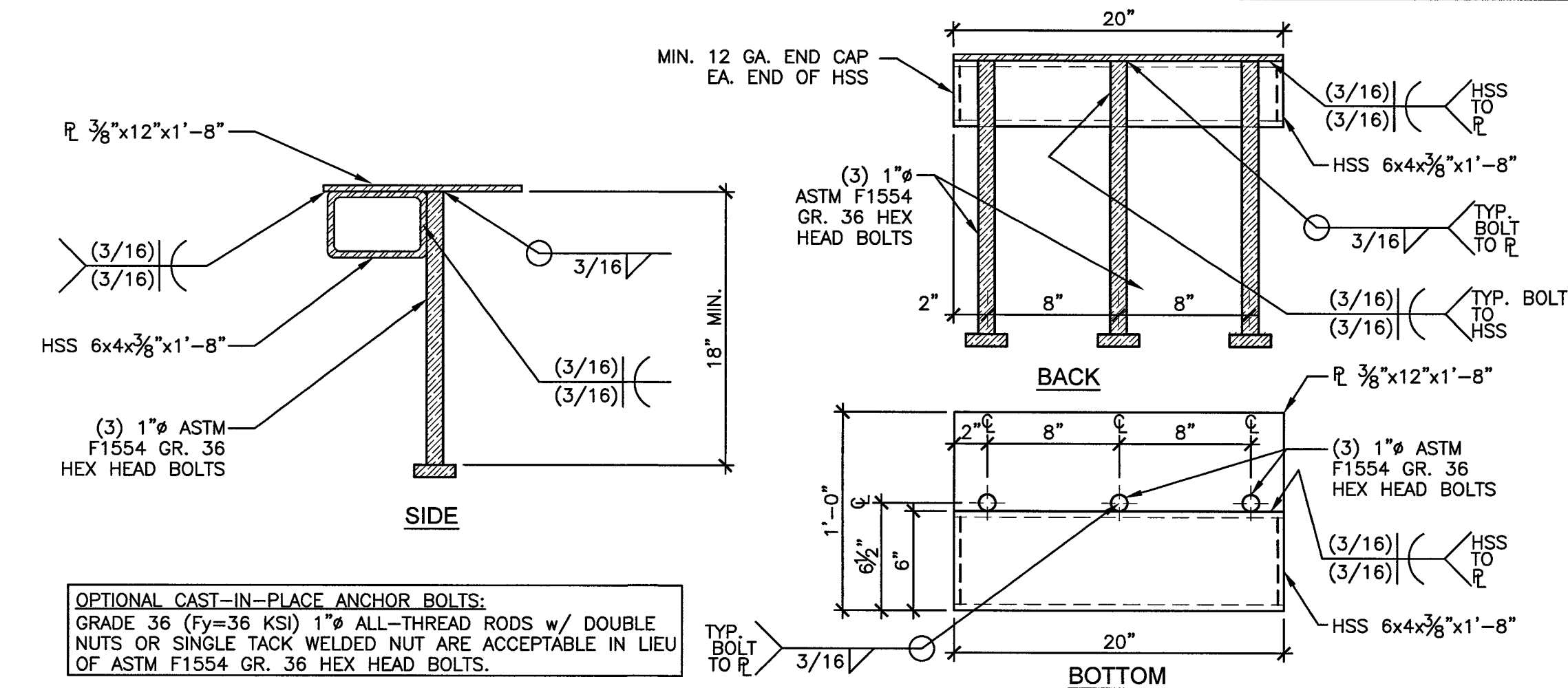
STANDARD ANCHORAGE DETAIL

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



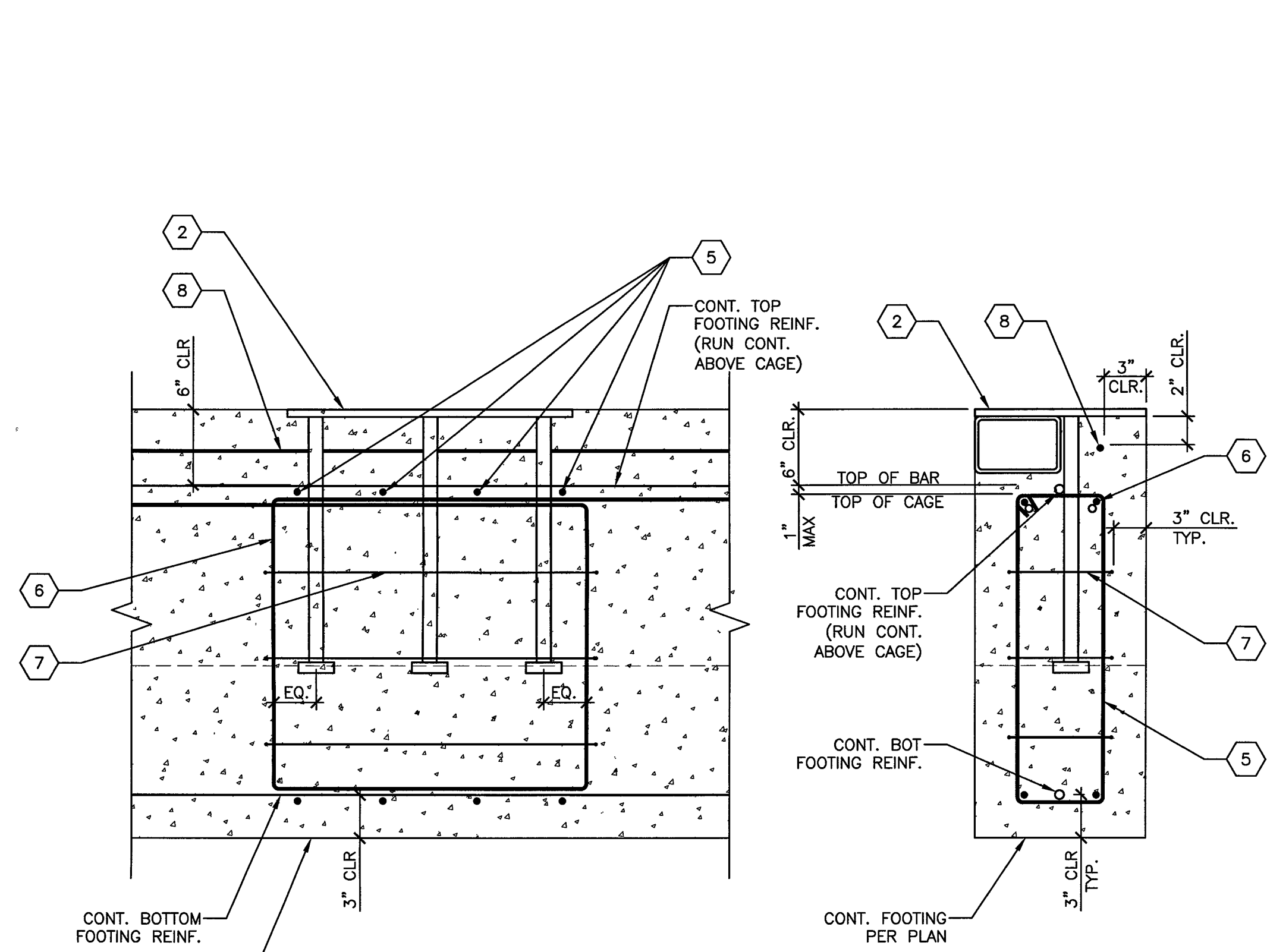
SIDE PLATE DETAIL

SCALE 3" = 1'-0"



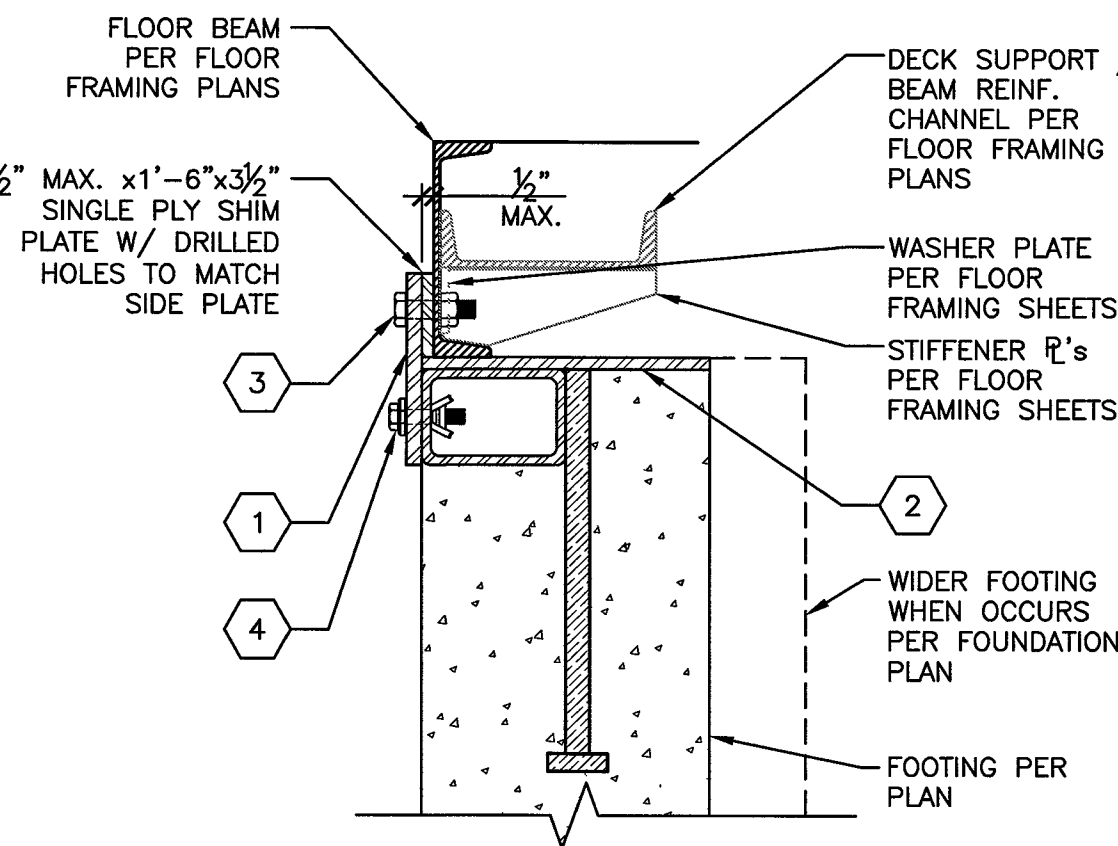
EMBEDDED ANCHOR DETAIL

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



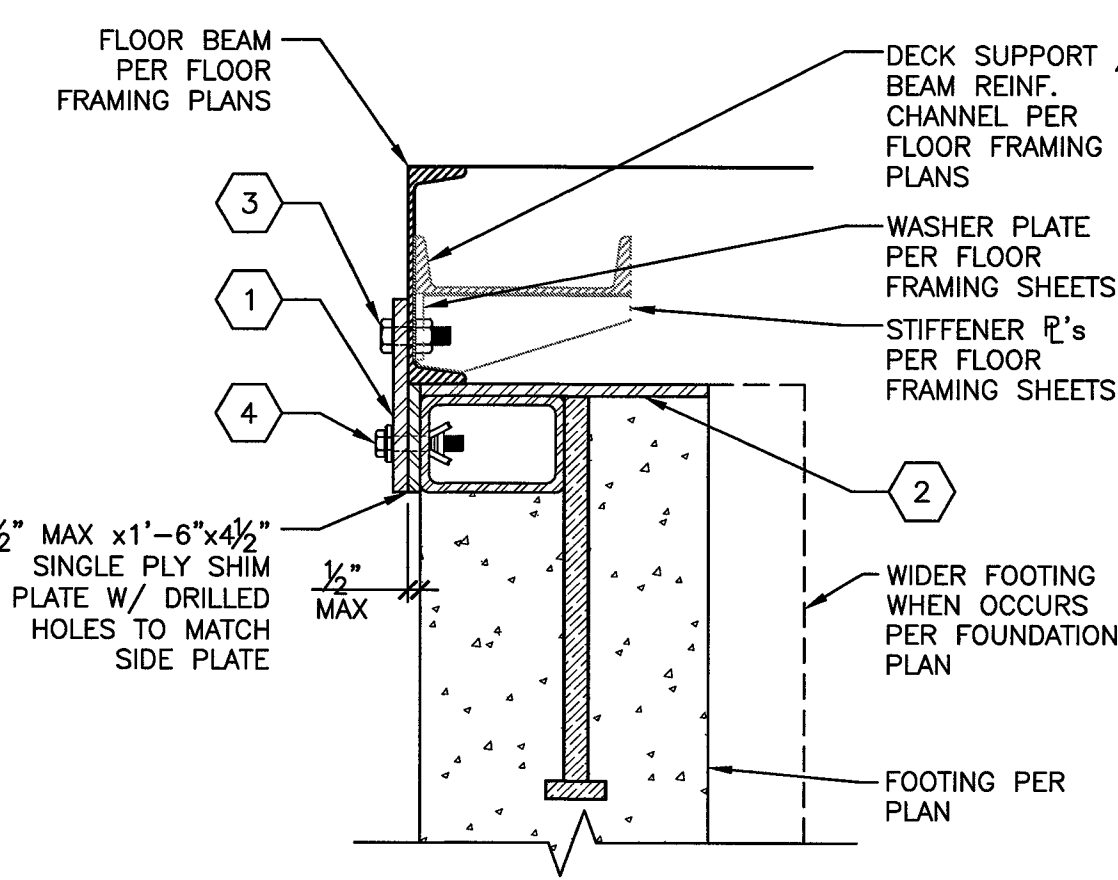
EMBEDDED ANCHOR REINFORCEMENT DETAIL

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



OPT. SHIM @ TOP

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



OPT. SHIM @ BOT

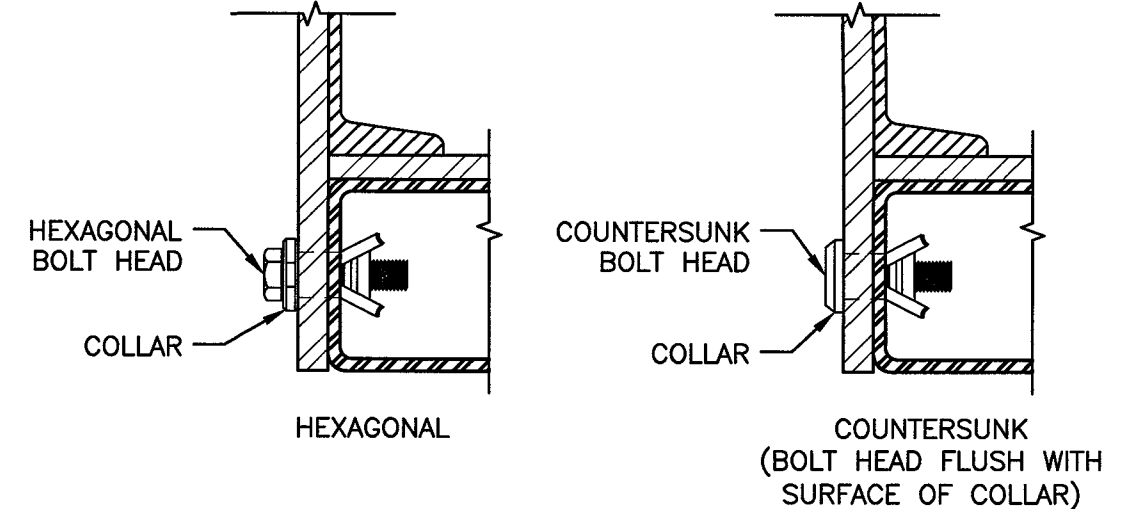
SCALE 1-1/2" = 1'-0"

1. 1/2"x8"x1'-6" (36 KSI) OR 3/8"x8"x1'-6" (50 KSI) SIDE PLATE. LOCATION PER PLAN - SEE 3/-
2. EMBEDDED ANCHOR. LOCATION PER PLAN - SEE 5/-
3. (3) 3/4" M.B. THRU-BOLTED THROUGH SIDE PLATE & FLOOR BEAM w/ 1 1/2" HOLES - SEE 8/- FOR OPTIONAL SHIM DETAIL.
4. (3) 5/8" LHB16 "HOLLO-BOLT" EXPANSION BOLTS PER ICC ESR-3330 THROUGH SIDE PLATE INTO THE HSS OF THE EMBEDDED ANCHOR w/ 1 1/2" HOLES - SEE GENERAL NOTES FOR SPECS. & INSTALLATION REQUIREMENTS, - SEE 13/- FOR OPTIONAL SHIM DETAIL.
5. (4) #3 VERTICAL HOOPS PER 12/-, FORMED PER 5/S1.4 & EVENLY SPACED @ ANCHORS.
6. (2) #4 BENT BARS CENTERED ON ANCHORS - (1) EA. SIDE OF ANCHORS.
7. #3 HORIZONTAL HOOPS PER 12/-, FORMED PER 5/S1.4 & SPACED @ 6" O.C.
8. ADDITIONAL #5x8'-0" CENTERED @ ANCHOR. BEND DOWN @ VENTS OR AROUND PERIMETER @ CORNERS.
- * BEND DOWN @ VENTS OR AROUND PERIMETER @ CORNER.

NOT USED

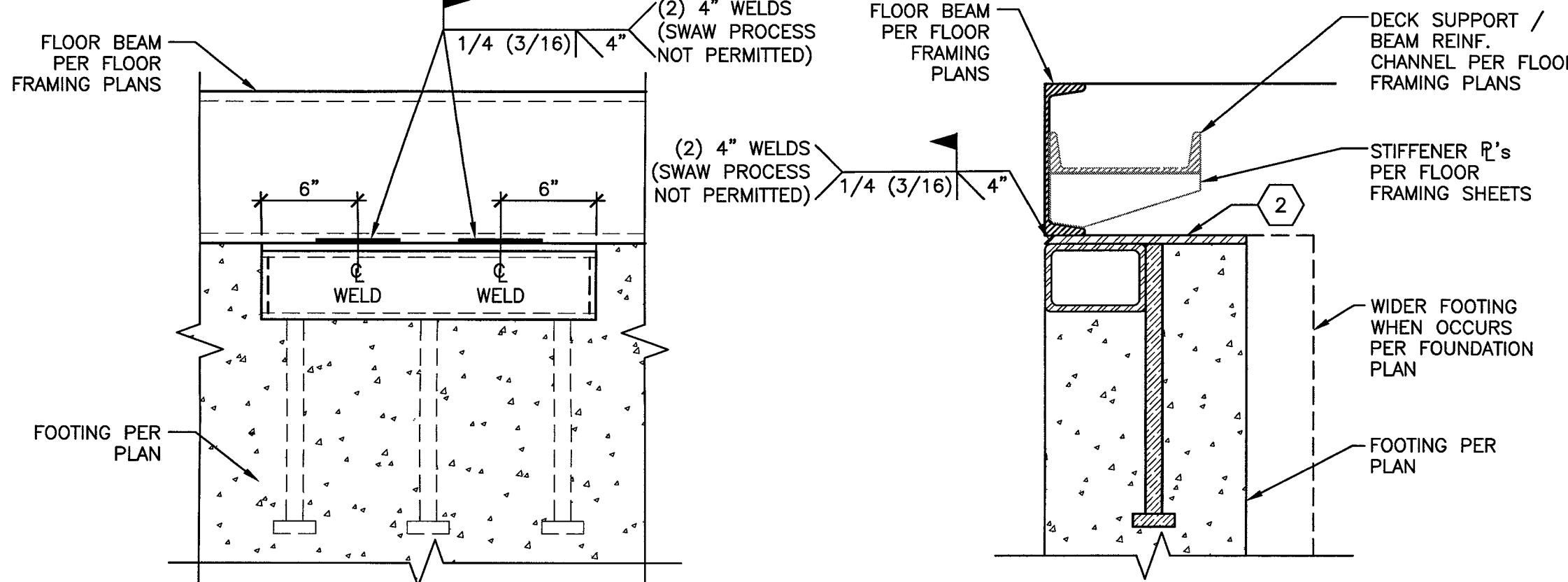
KEY NOTES

1. DETAILS ON THIS SHEET SHALL APPLY WHERE UPGRADED ANCHORAGE IS SPECIFIED ON THE FOUNDATION PLANS.
2. EACH ANCHORAGE POINT SPECIFIED ON PLAN SHALL CONSIST OF AN EMBEDDED ANCHOR AND EITHER A BOLTED SIDE PLATE OR ALTERNATE DIRECT WELD AS DETAILED ON DETAIL 2/-.
3. ANCHOR REINFORCEMENT PER DETAIL 12/- SHALL BE PLACED AT ALL EMBEDDED ANCHOR LOCATIONS.
4. EXPANSION BOLTS SHALL BE "HOLLO-BOLTS" BY LINDAPTER OR AN EQUIVALENT ICC ACCEPTED BOLT.
5. "HOLLO-BOLTS" ARE SPECIFIED AND TO BE INSTALLED PER ICC-ES REPORT ESR-3330 WITH AN INSTALLATION TIGHTENING TORQUE OF 140 FT.-LBS & ARE TO BE SUBJECT TO THE MANUFACTURER'S INSPECTION PROCEDURES FOUND ON SHEET D1 OF THESE DRAWINGS.
6. "HOLLO-BOLT" HEADS MAY BE HEXAGONAL OR COUNTERSUNK, AS SHOWN BELOW (NOT TO SCALE). FLUSH FIT "HOLLO-BOLT" OPTION NOT PERMITTED.



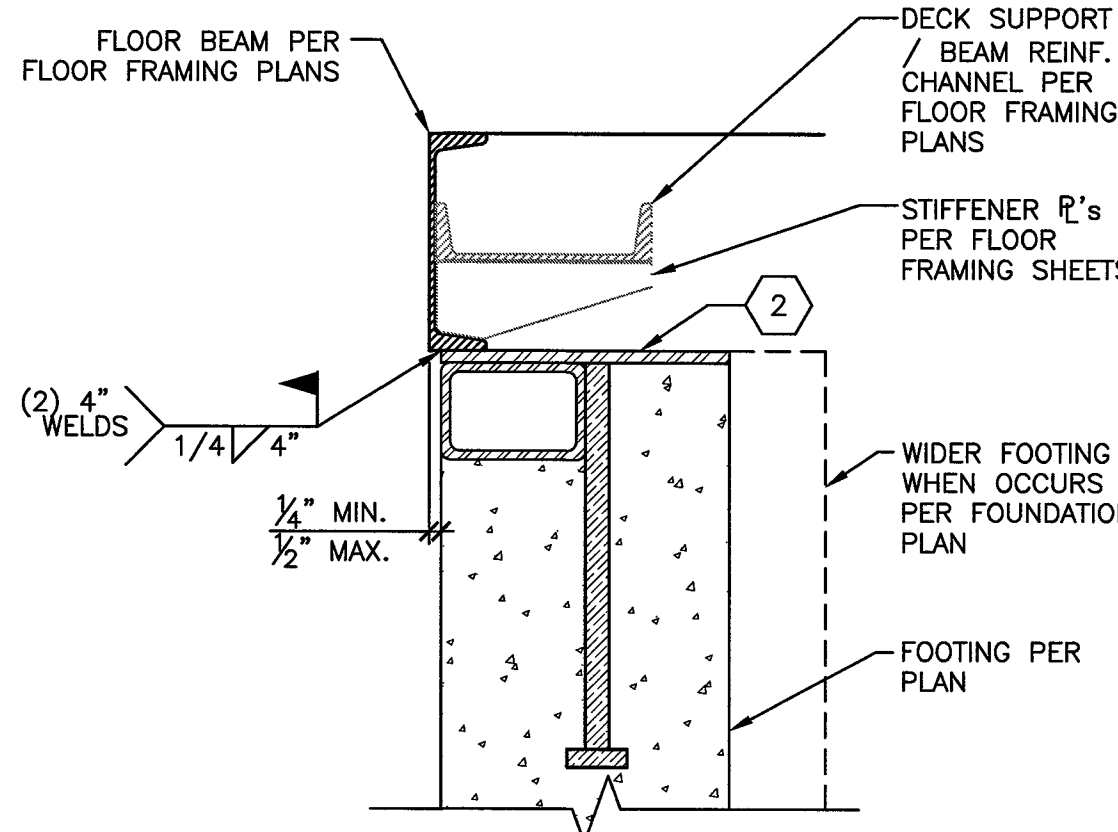
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NOT USED



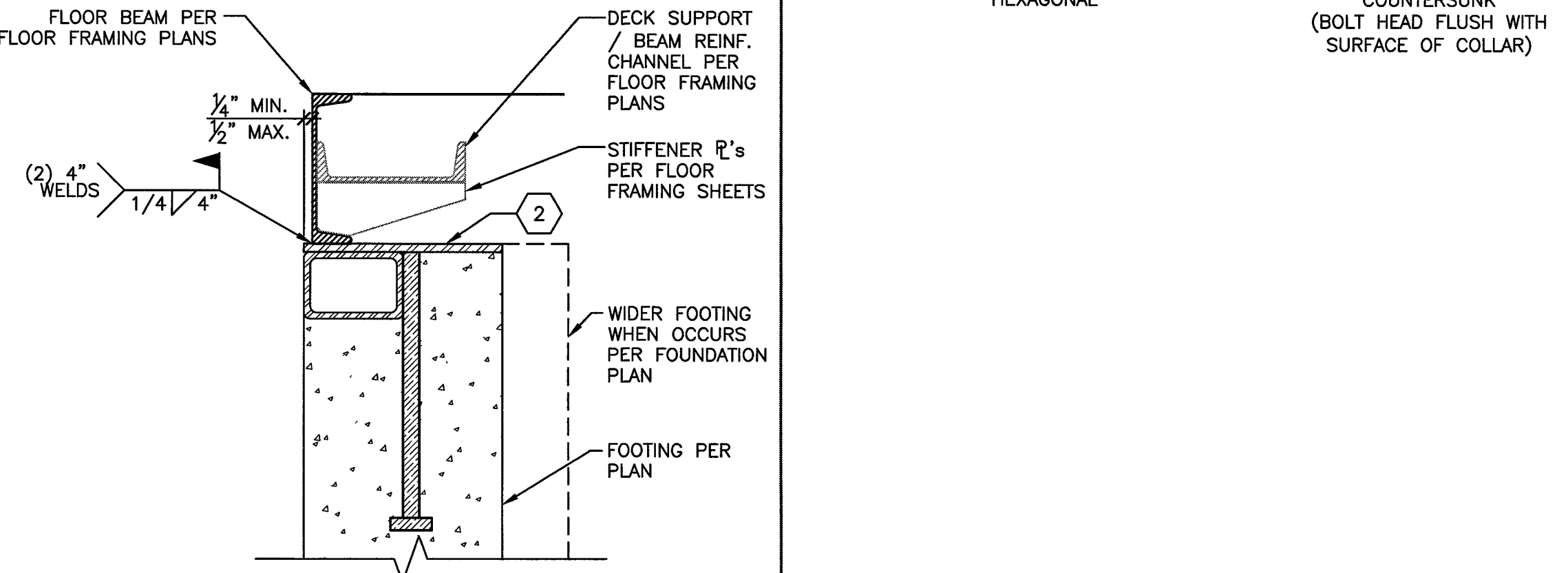
ALTERNATE DIRECT WELD CONNECTION

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



ALTERNATE DIRECT WELD @ OFFSET

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



ALTERNATE DIRECT WELD @ OFFSET

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

GENERAL NOTES

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 120'x40'
STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE
UPGRADED FOUNDATION
ANCHORAGE DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
PATRICK COOPER
No C12631
Ren 3-31-18
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MANNY D'FRANCESCO
No C33380
Ren 01-08-19
STATE OF CALIFORNIA

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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

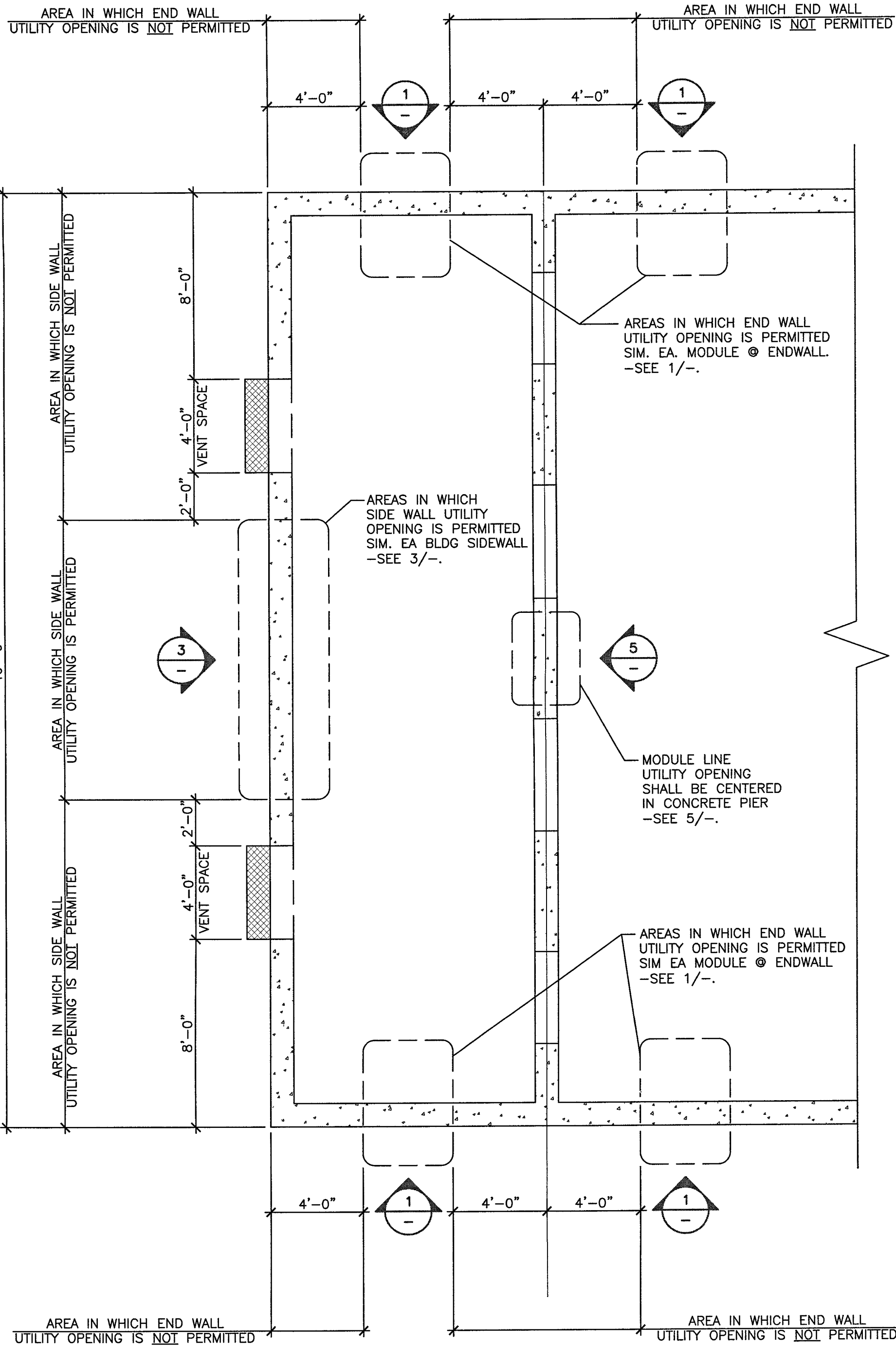
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
REV 1
PC 02-115700
AC - FLS - SS
DATE: 6-21-2019

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

REVISIONS
GENERAL REVISIONS - 01/02/19

DRAWN BY:
SCALE: AS NOTED
DATE:
SHEET NUMBER

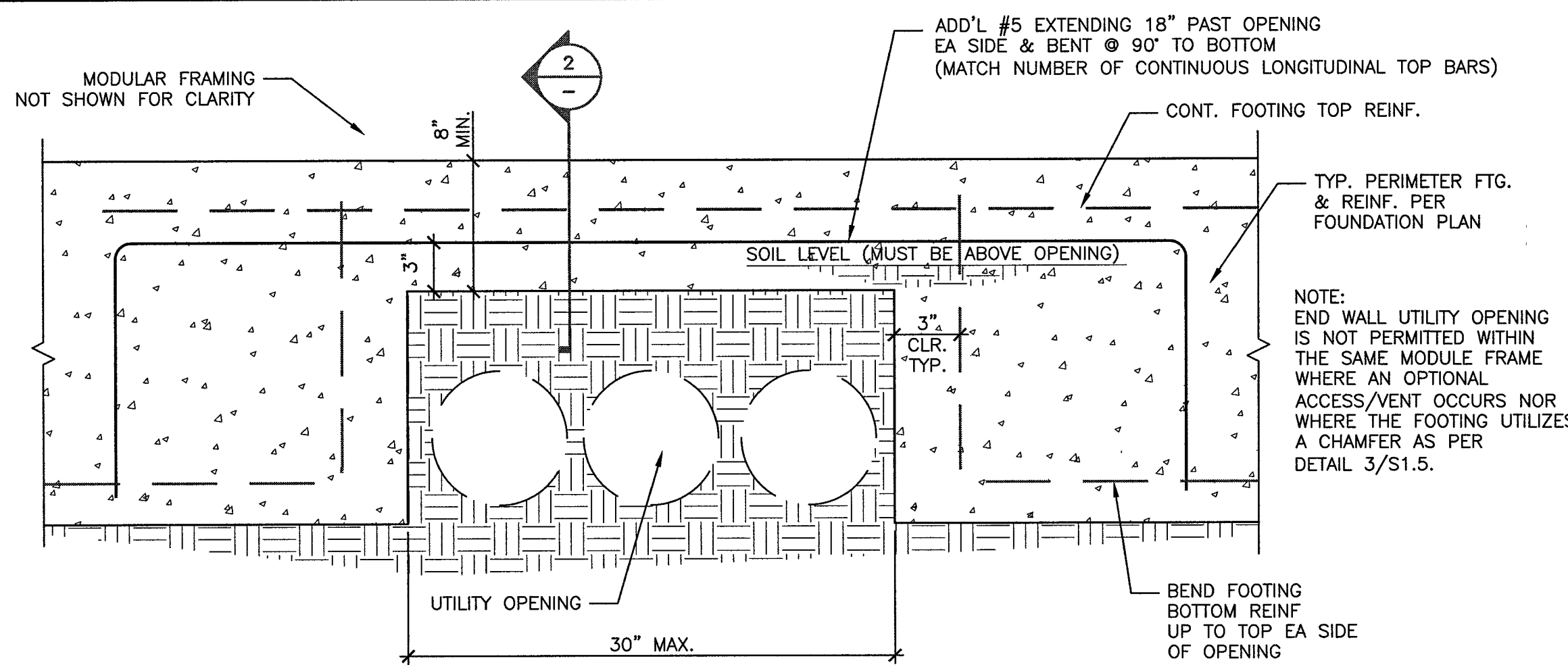
S1.6B



OPTIONAL UTILITY OPENINGS PLAN

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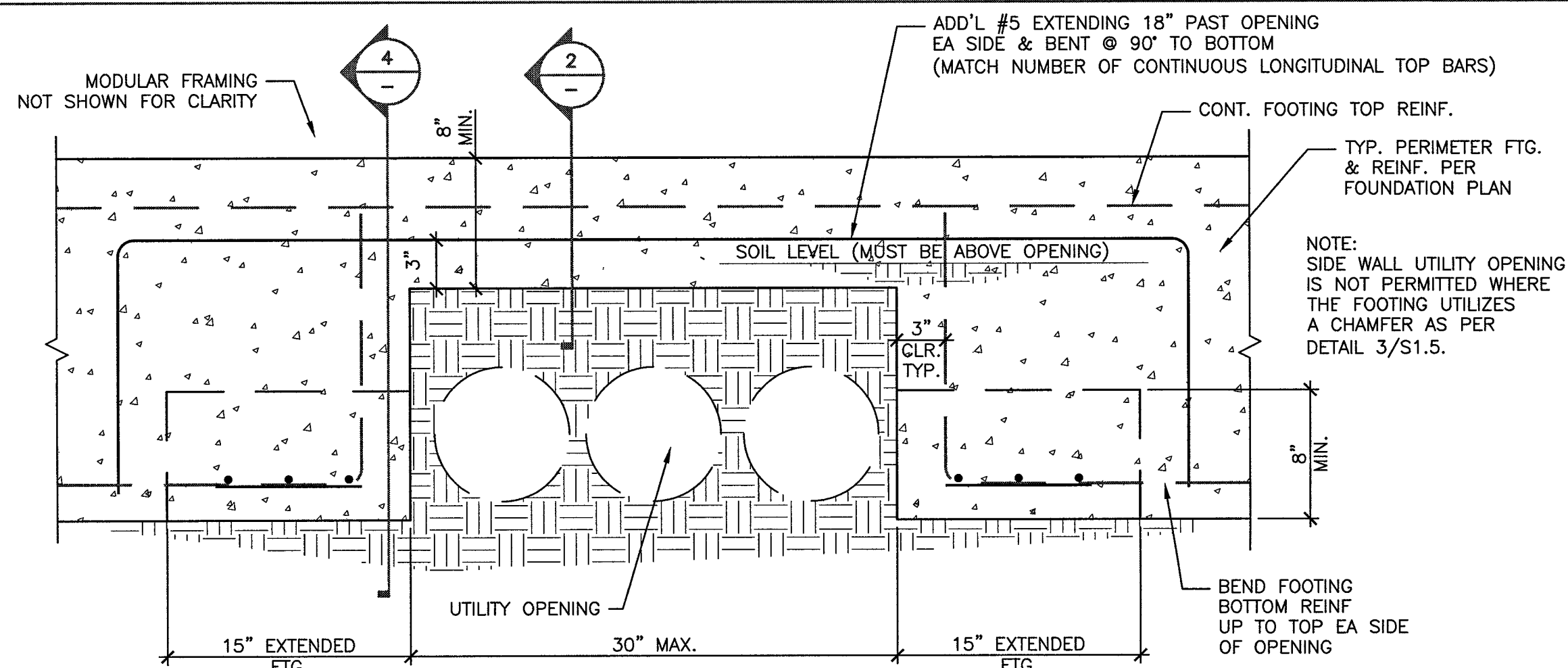
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OPTIONAL UTILITY OPENINGS IN END WALL FOOTINGS

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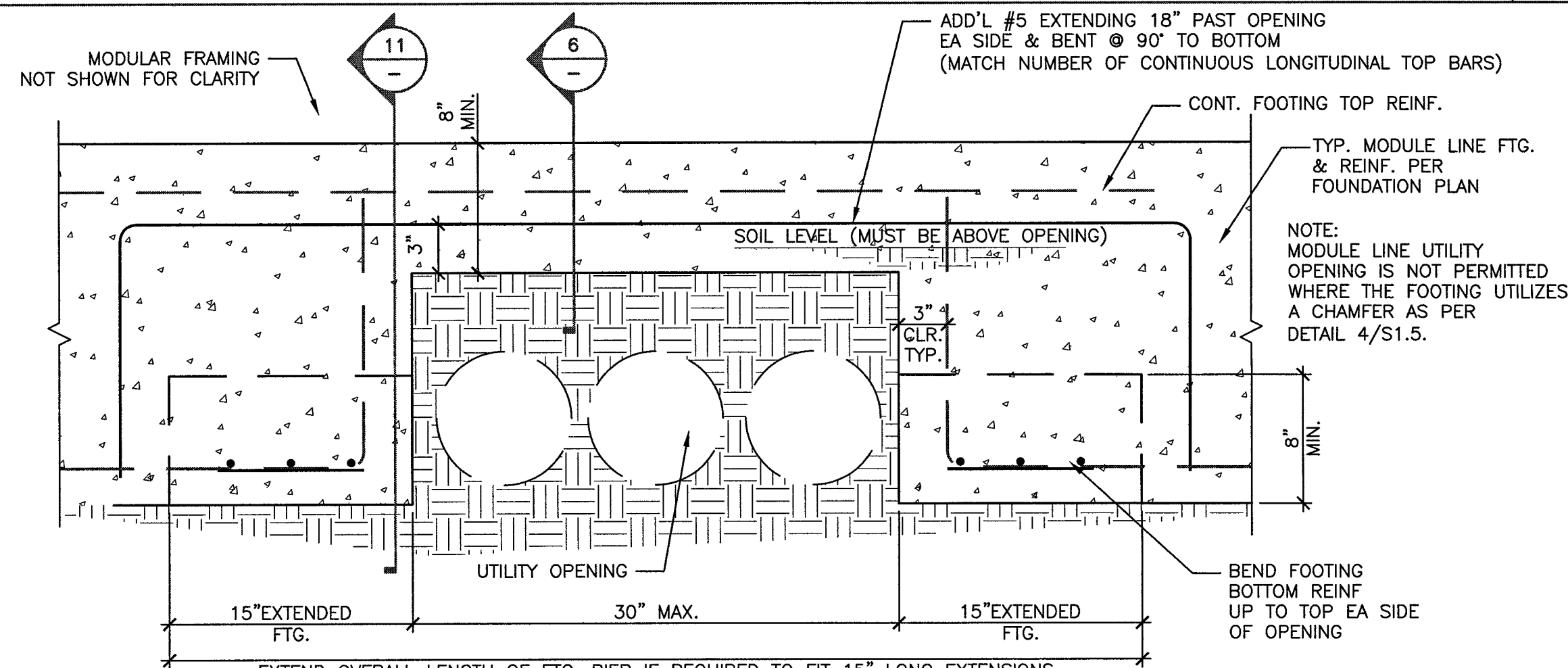
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OPTIONAL UTILITY OPENINGS IN SIDE WALL FOOTINGS

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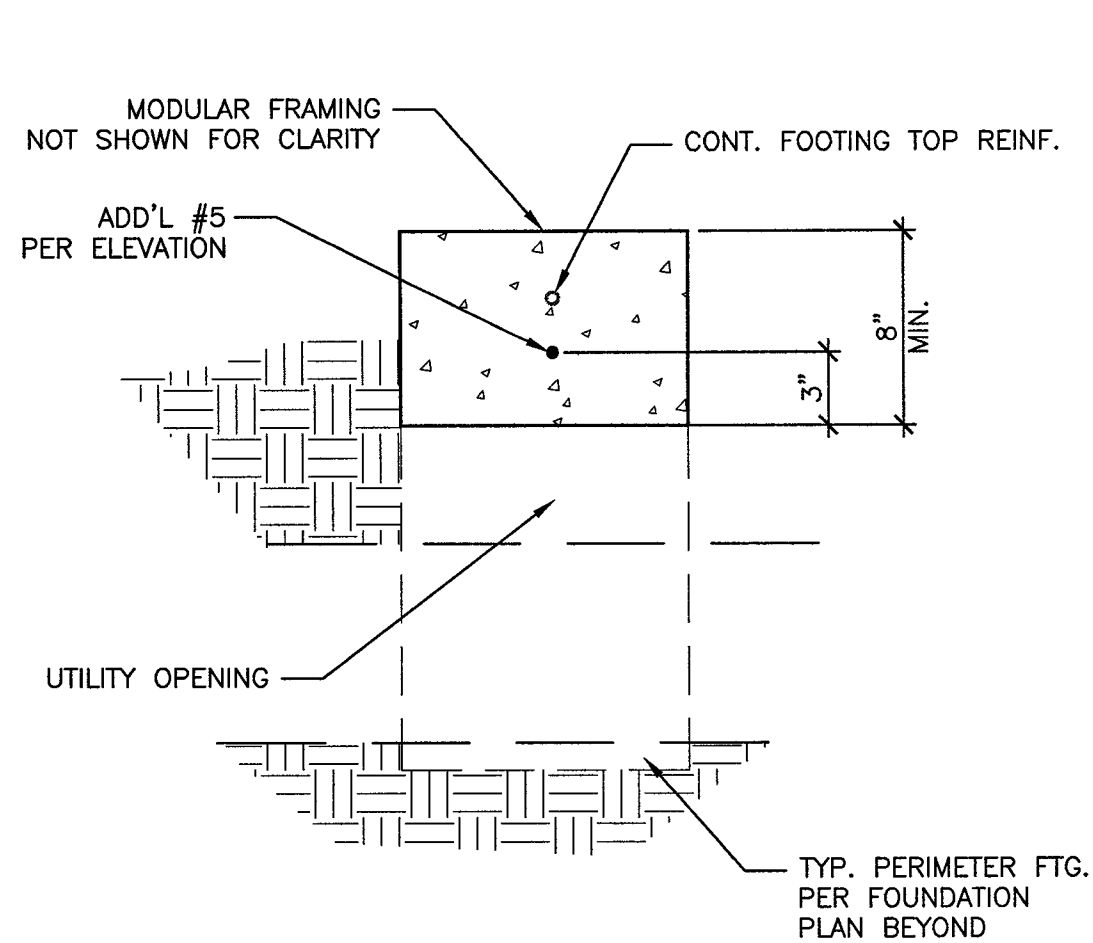
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OPTIONAL UTILITY OPENINGS IN MODULE LINE FOOTINGS

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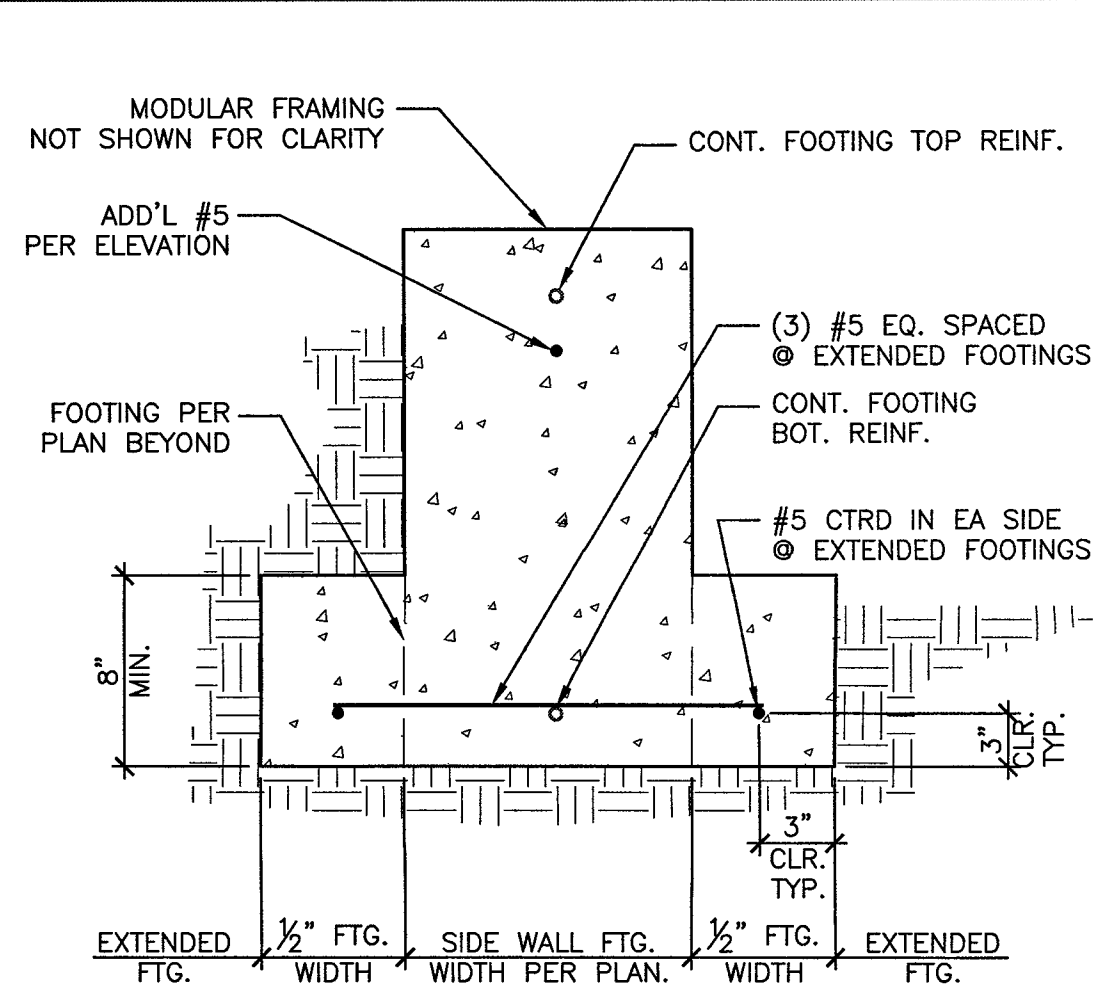
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DETAIL

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

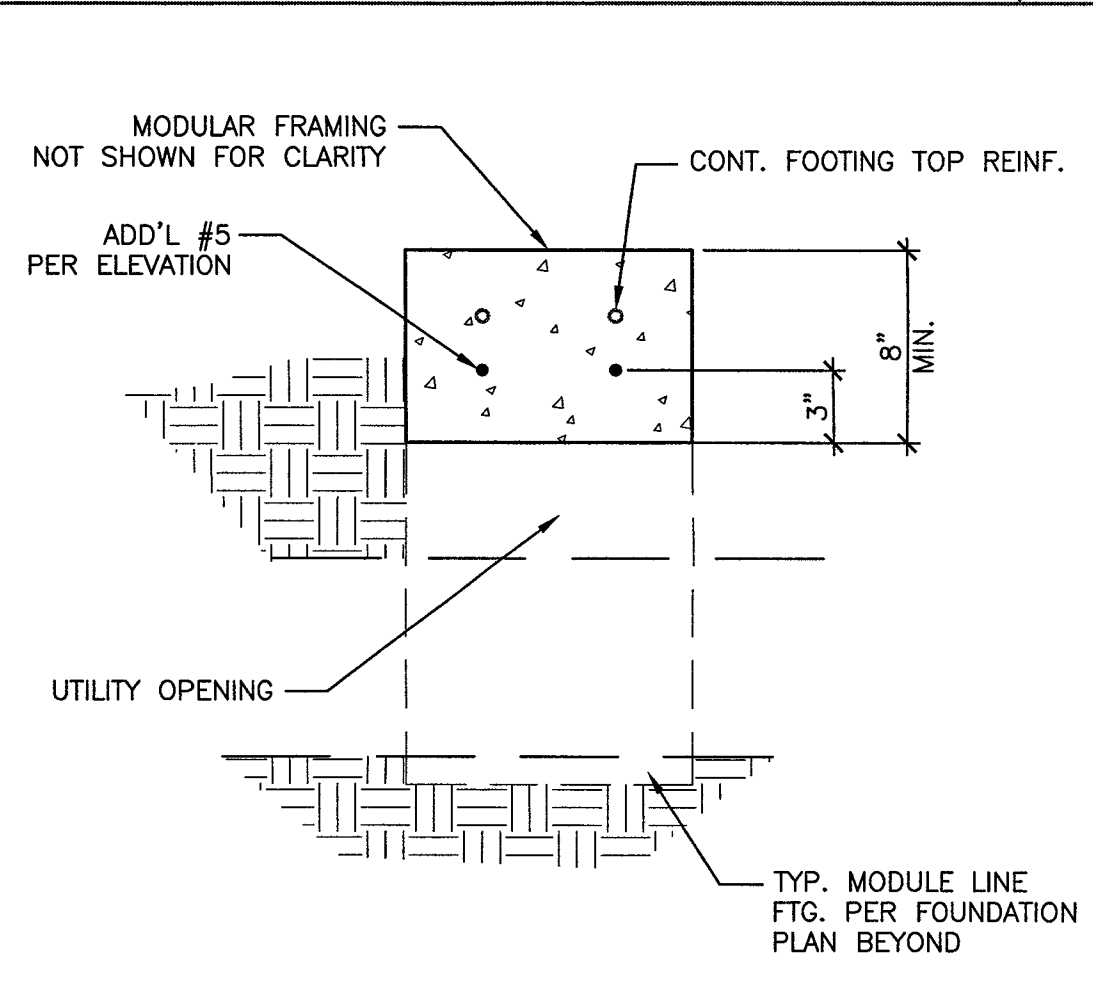
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DETAIL

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

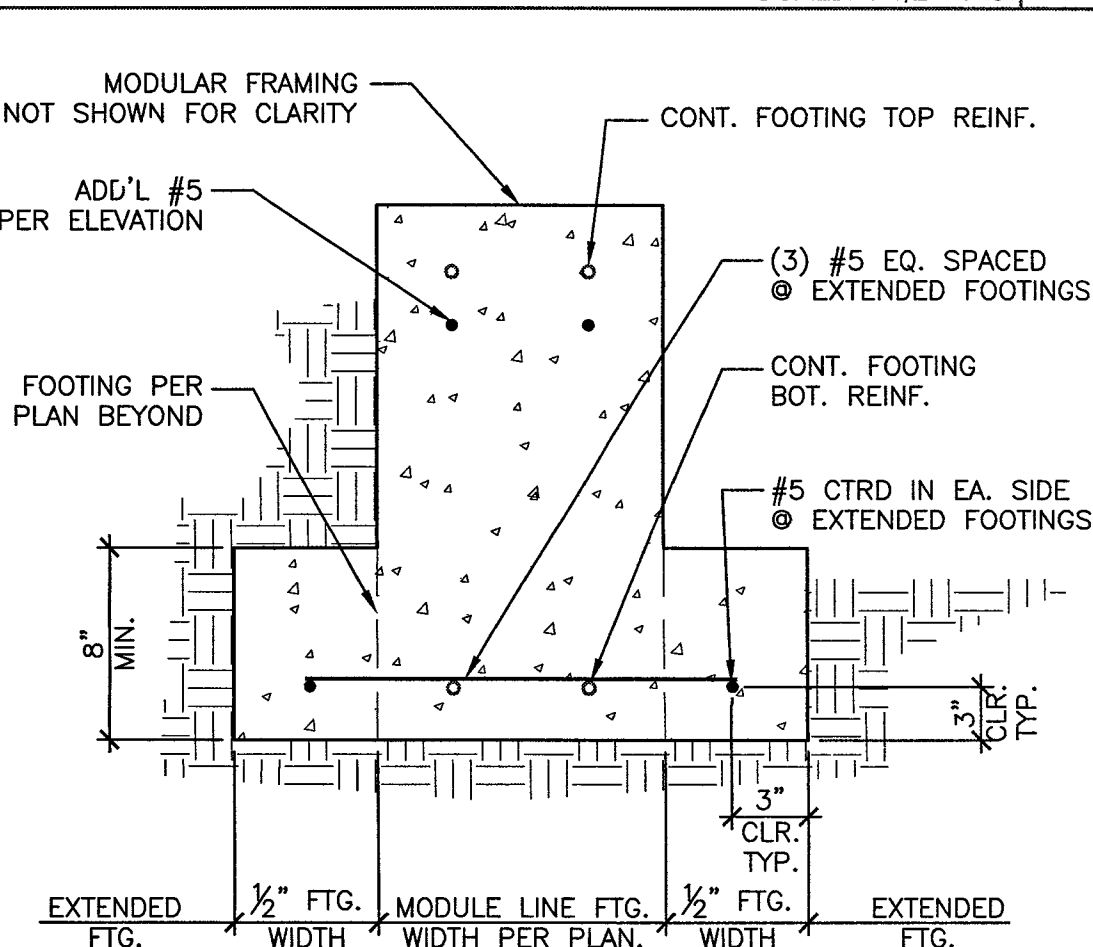
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DETAIL

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

6



DETAIL

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

11

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

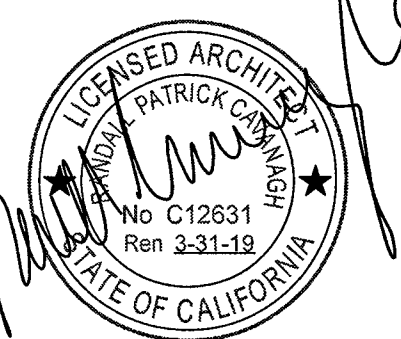
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PRE-CHECKED SET NAME

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

SITE SPECIFIC PROJECT NAME

SHEET TITLE
CONCRETE FOUNDATION
OPTIONAL UTILITY
OPENINGS IN FOOTINGS

MANUFACTURER PROFESSIONAL OF RECORD ON PC



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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

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

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

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SCALE: AS NOTED
DATE: SHEET NUMBER

S1.7

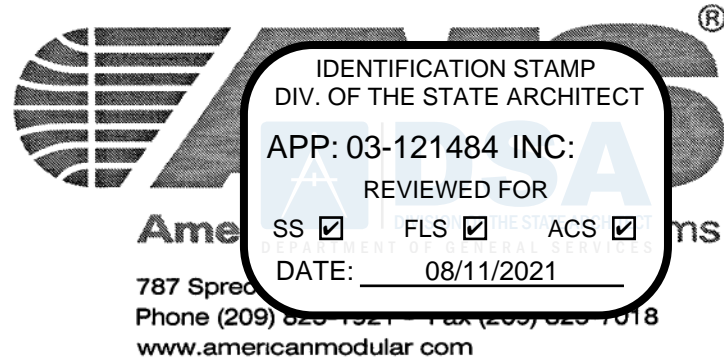
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DETAIL



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PRE-CHECKED SET NAME

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

SITE SPECIFIC PROJECT NAME

FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/BH-DECK OPTION (100 PSF MAX. FLOOR L.L.)

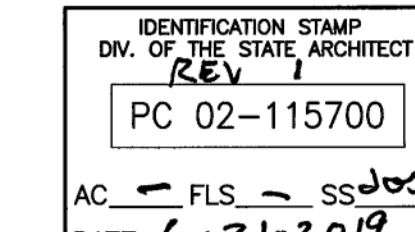
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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL



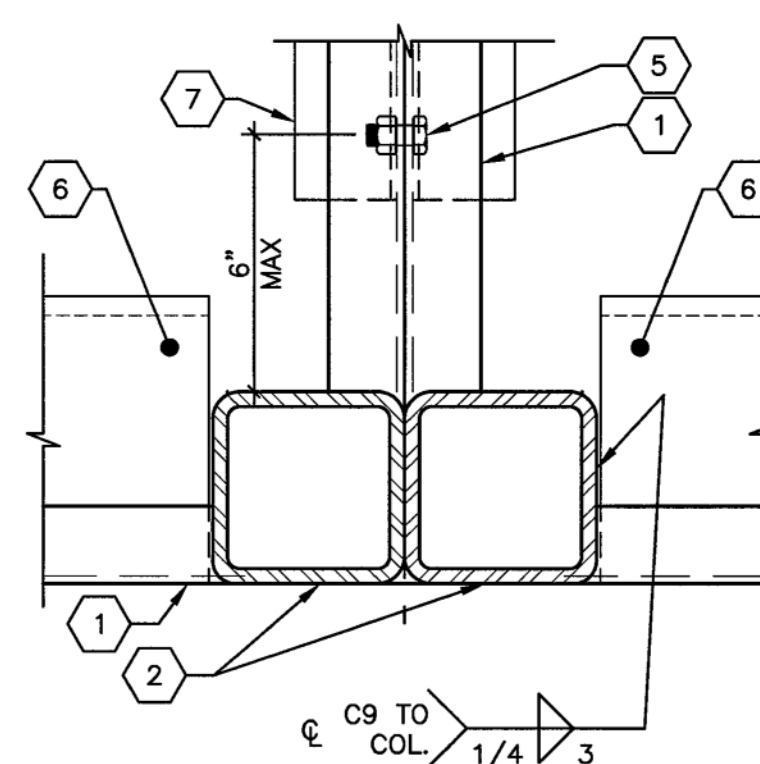
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CODE 2016 CBC
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REVISIONS
GENERAL REVISIONS - 01/02/19

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SCALE: AS NOTED
DATE:

SHEET NUMBER

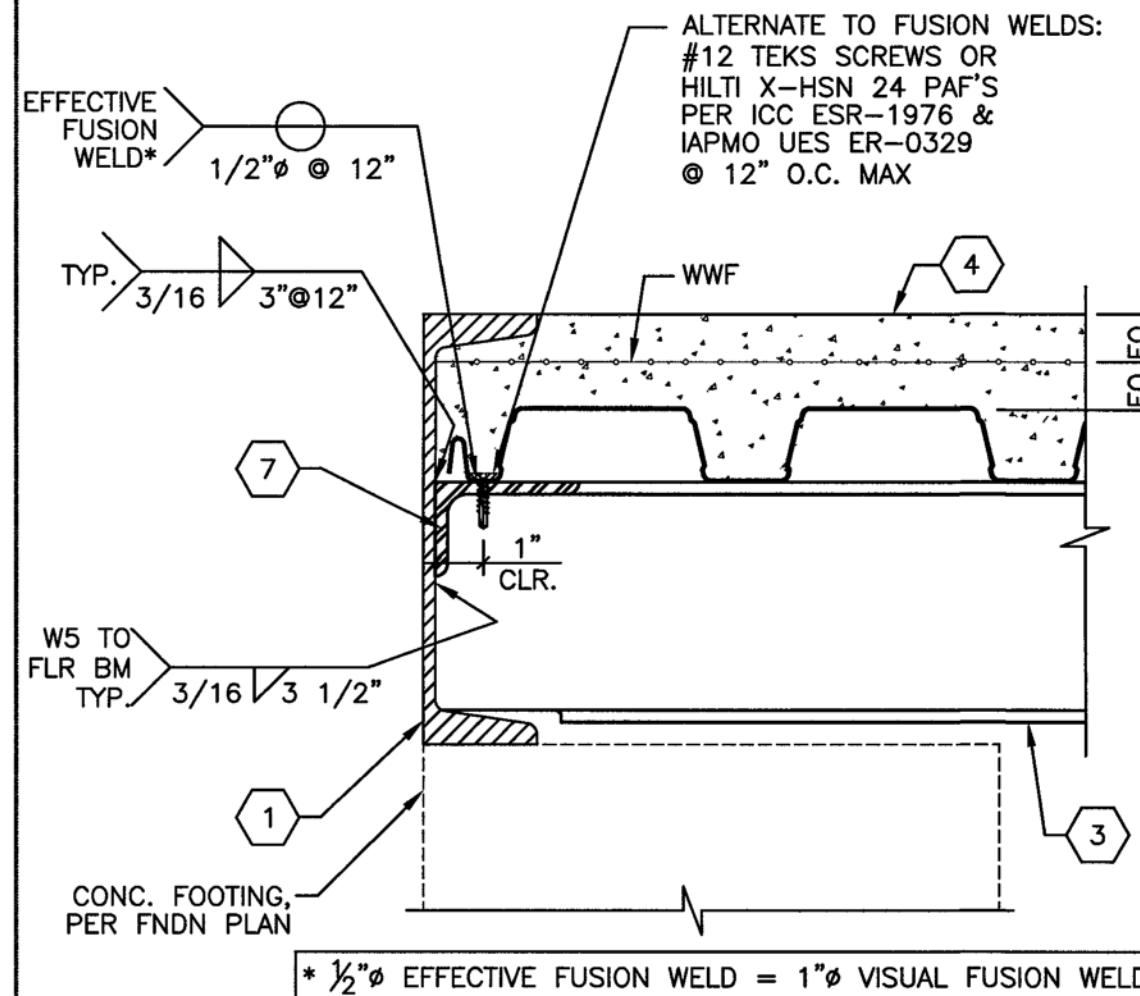
S3.1



- FLOOR BEAM PER SHEET S5.0. USE SINGLE SIZE CHANNEL THROUGHOUT FLOOR SYSTEM.
- HSS COLUMN PER SHEET S5.0.
- W5x16 FLOOR JOIST @ 48" O.C. MAX.
- 2" LIGHTWEIGHT CONC. FILL w/ 6x6/W1.4xW1.4 WWF w/ 1'-0" LAP OVER ASC 18 GA. BH-36 GALV. DECK (3/8" TOTAL THICKNESS). SEE 5/- FOR DECK PROPERTIES AND ATTACHMENT PATTERN.
- 5/8" MB @ 10'-0" O.C. MAX 6" MAX FROM INSIDE FACE OF COLUMNS PER DETAILS 1 & 4/-.
- C9x13.4 DECK SUPPORT CHANNEL PER DETAIL 3/-.
- 3/8" MAX HOLES THRU WEB WITHOUT WEB REINFORCEMENT PER THE FOLLOWING:
 - HOLES MUST BE CENTERED ON WEB.
 - MULTIPLE HOLES MUST BE SPACED A MIN. OF 24" APART.
 - HOLES MUST BE 24" MIN. AWAY FROM INSIDE FACE OF COLUMNS.
- 2.3"x2"x3/8" LLH (MIN.) DECK SUPPORT ANGLE PER DETAIL 2 & 4/- TYP. BETWEEN FLOOR JOISTS

TYP. FLOOR BEAMS CONNECTION

SCALE 3"=1'-0"

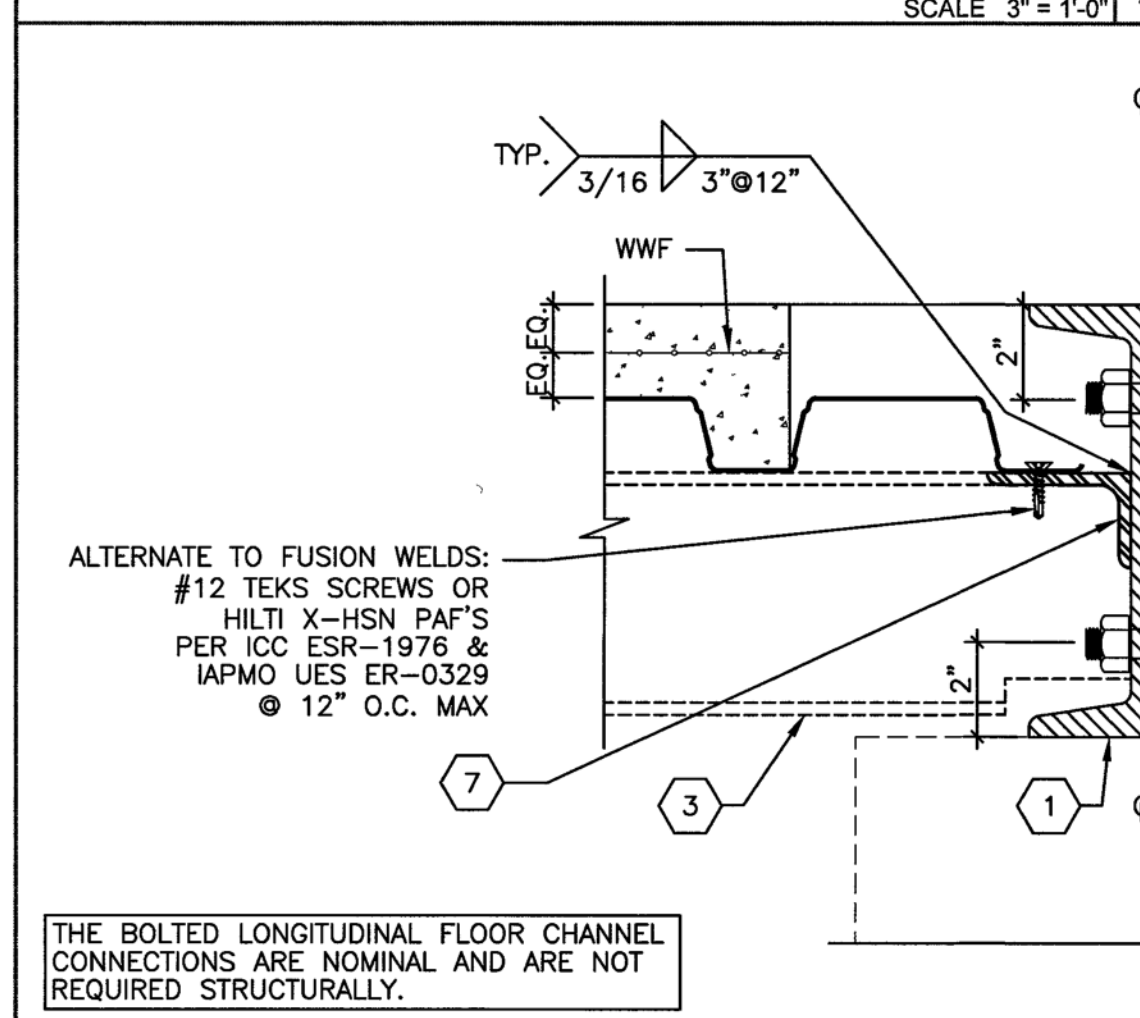


KEY NOTES

- ALTERNATE TO FUSION WELDS:
(4) #12 TEKS SCREWS OR HILTI X-HSN 24 PAF'S PER ICC ESR-1976 & IAPMO UES ER-0329 EACH DECK SECTION PER 5/-
- EFFECTIVE FUSION WELD* 1/2" @ 12"
- WASHER PLATE @ TYP. SIDE PLATE FNDN ANCHORAGE PER 6/-
- ANCHORAGE PER FNDN PLANS
- CONC. FTG PER FNDN PLAN
- 1/4" STIFFENER PLATE @ FNDN ANCHORAGE. SEE 6/- FOR LOCATIONS & WELDING
- * 1/2" EFFECTIVE FUSION WELD = 1" VISUAL FUSION WELD.
(4) = 4 FUSION WELDS EACH DECK SECTION PER 5/-

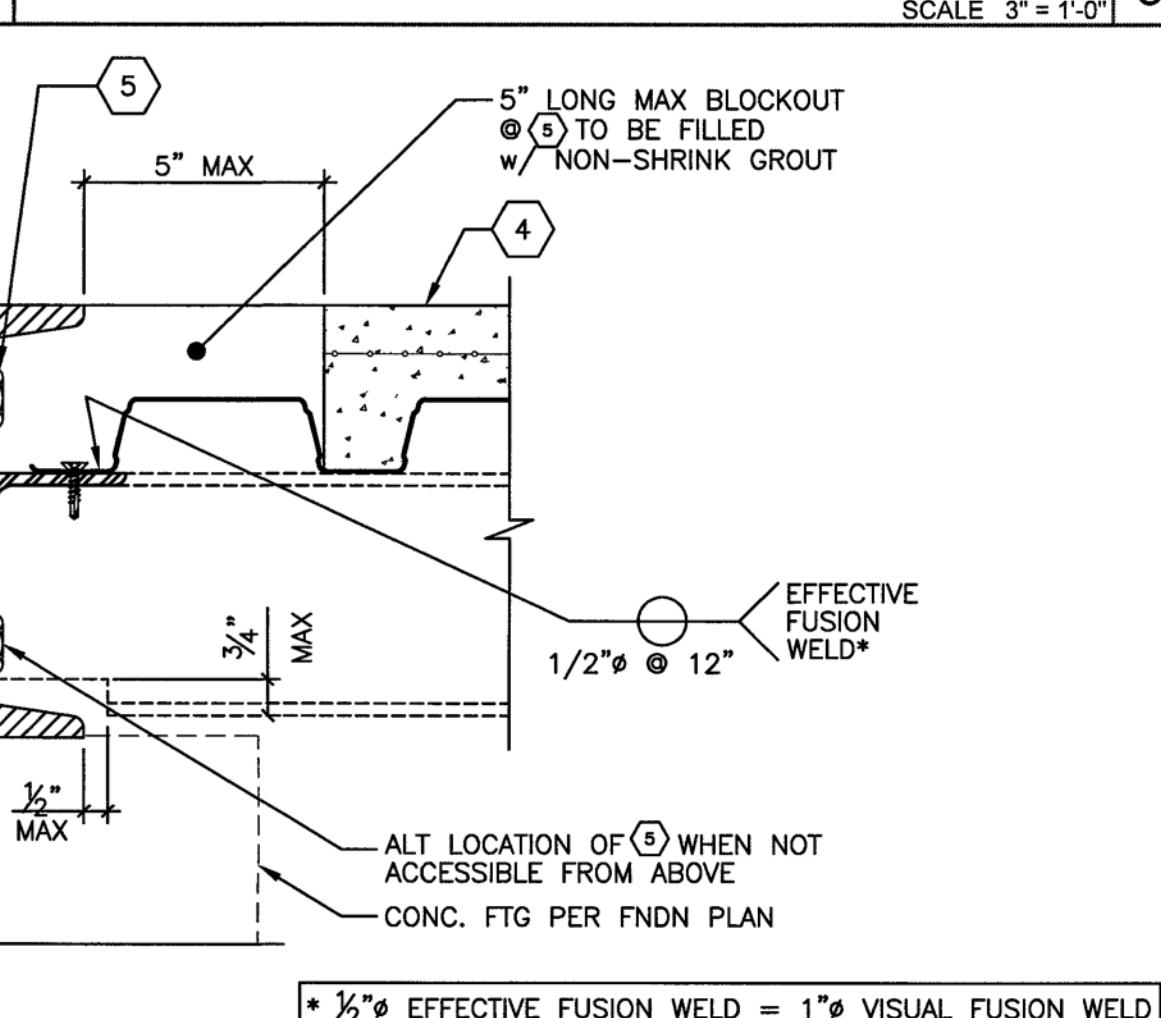
TYP. PERIMETER CONNECTION

SCALE 3"=1'-0"



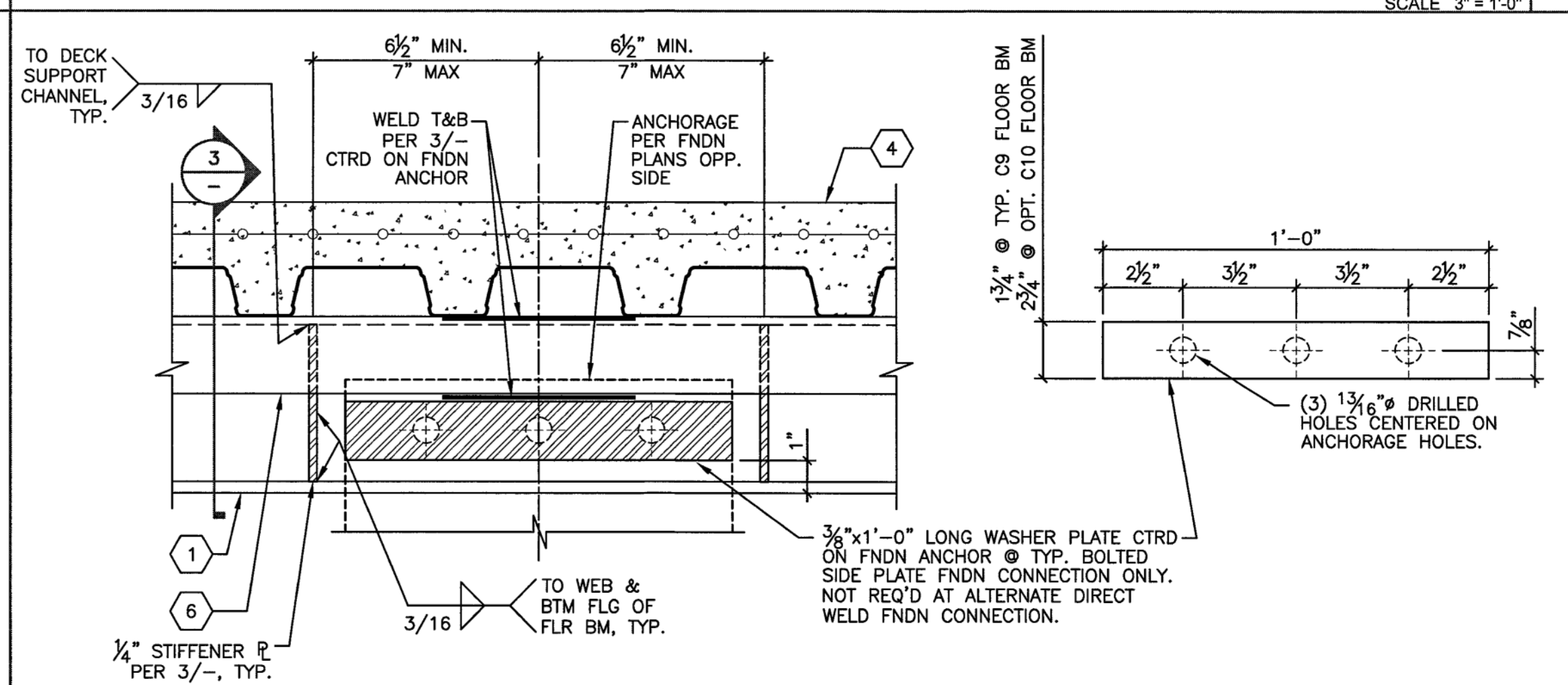
TYP. PERIMETER CONNECTION

SCALE 3"=1'-0"



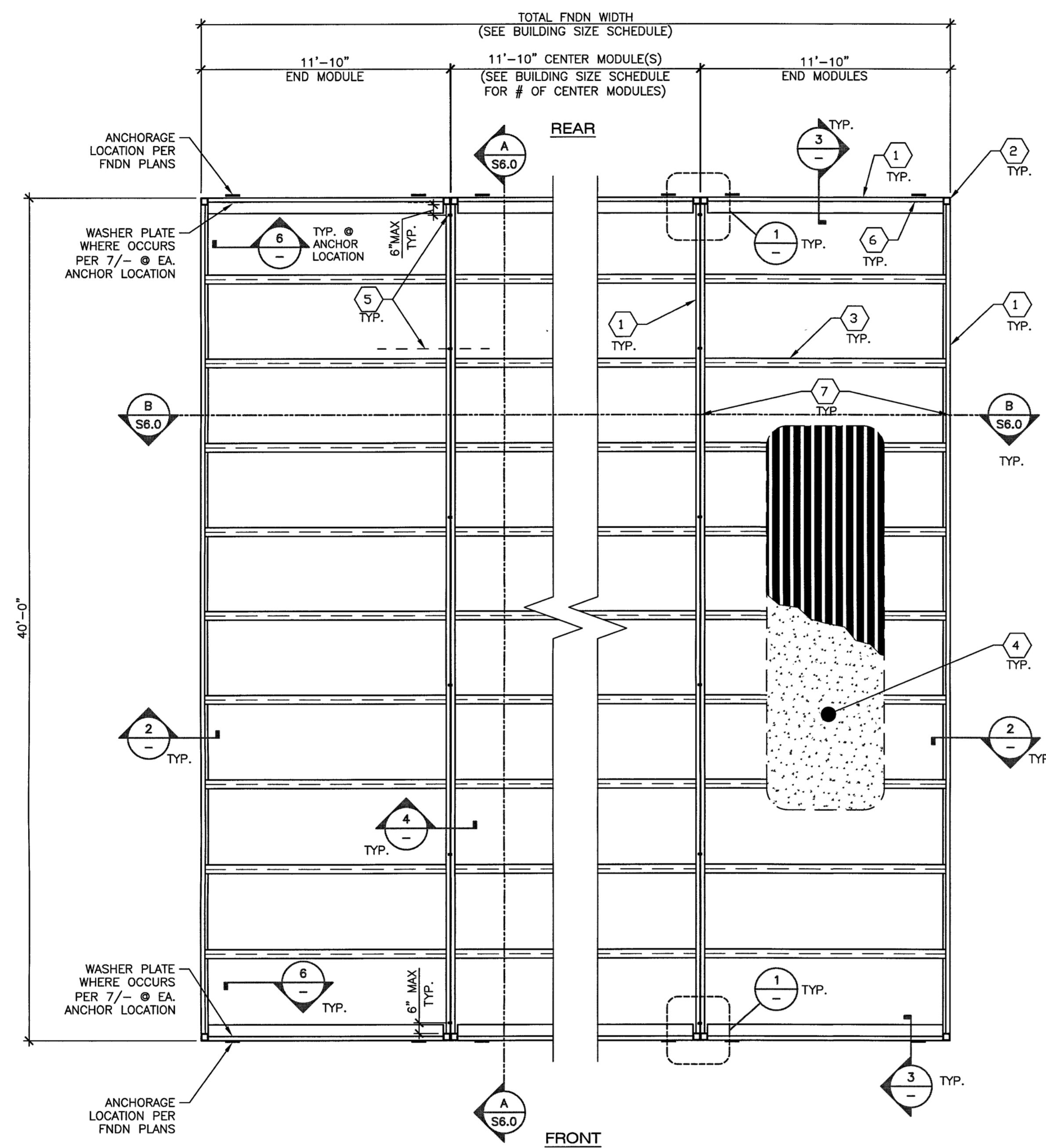
TYP. MODULE LINE CONNECTION

SCALE 3"=1'-0"



TYP. REINFORCED FLOOR FRAMING @ FOUNDATION ANCHORAGE

SCALE 3"=1'-0"



FLOOR FRAMING PLAN (CONCRETE FLOOR w/BH-36 DECK OPTION) 100 PSF MAX FLOOR LIVE LOAD

SCALE 1/4"=1'-0"

| BUILDING SIZE SCHEDULE | | | |
|------------------------|--------------------------------|---------------------------|------------------|
| BUILDING SIZE (FT) | TOTAL # OF 12'-0" WIDE MODULES | TOTAL # OF CENTER MODULES | TOTAL FNDN WIDTH |
| 24'x40' | 2 | 0 | 23'-8 1/2" |
| 36'x40' | 3 | 1 | 35'-6 3/4" |
| 48'x40' | 4 | 2 | 47'-5" |
| 60'x40' | 5 | 3 | 59'-3 1/4" |
| 72'x40' | 6 | 4 | 71'-1 1/2" |
| 84'x40' | 7 | 5 | 82'-11 3/4" |
| 96'x40' | 8 | 6 | 94'-10" |
| 108'x40' | 9 | 7 | 106'-8 1/4" |
| 120'x40' | 10 | 8 | 118'-6 1/2" |

- NOTES:
- TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.0, S1.1, S1.2, & S1.3

| BH-36 METAL DECK PROPERTIES & PROFILE | | | | | |
|---------------------------------------|----------------------------|---|--|---------------------------|---------------------------|
| PLAN DESIGNATION | DECK TYPE | MINIMUM EFFECTIVE PROPERTIES | | | |
| | | +S _c IN ³ /FT | -S _c IN ³ /FT | +E IN ⁴ /FT | -E IN ⁴ /FT |
| | 1 1/2"-18GA ASC | 0.311 | 0.329 | 0.287 | 0.313 |
| | BH-36 GALV DECK (36" WIDE) | | | | |
| | | AVAILABLE DIAPHRAGM SHEAR (LRFD) (5'-0" MAX SPAN) | | | |
| | | 1848 PLF w/ 2" L.W.C. TOPPING (3 1/2" TOTAL SLAB THICKNESS) | | | |

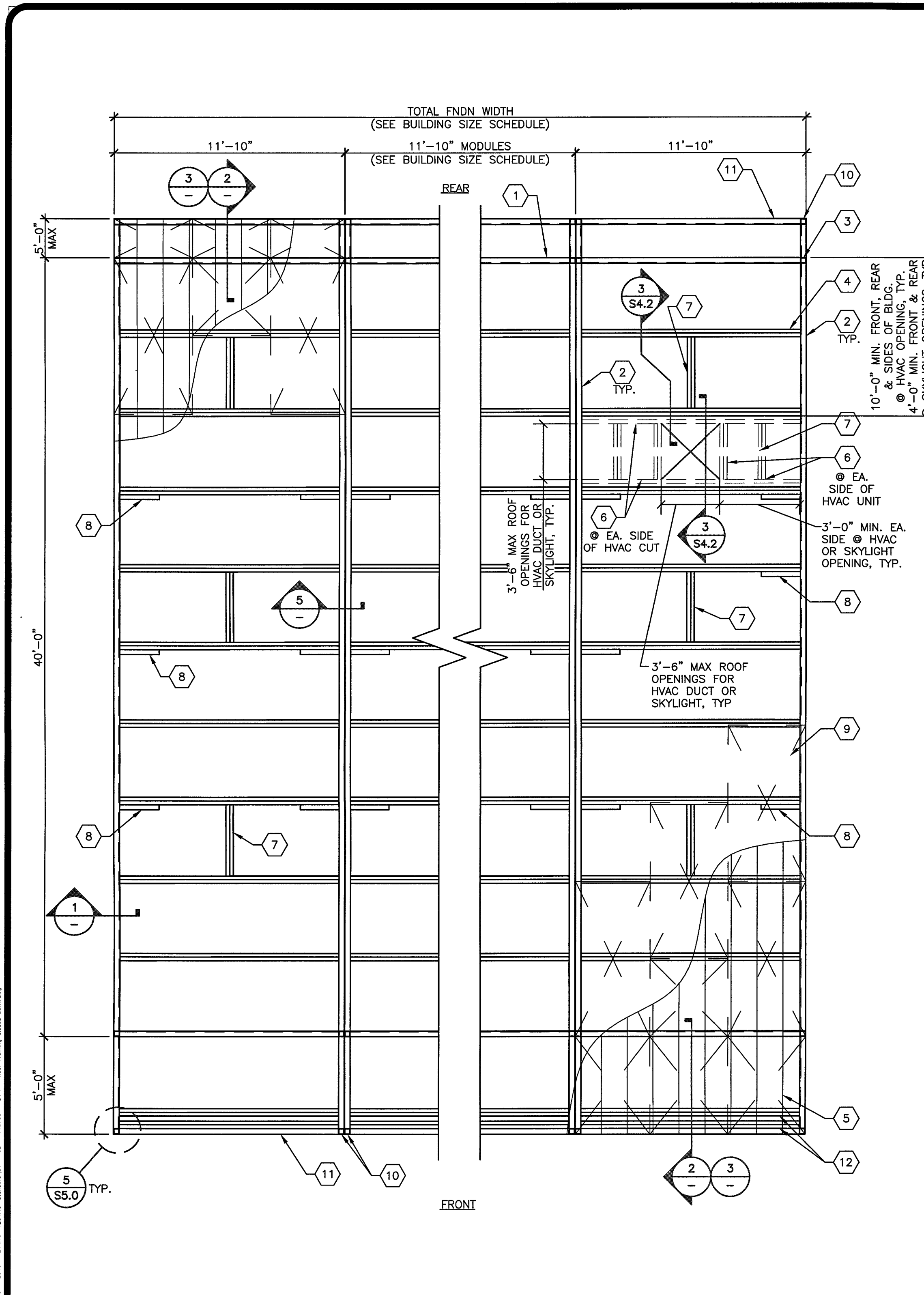
NOTE: ASC STEEL DECKING: IAPMO UES ER #0329

SIDE LAP ATTACHMENT TO BE BUTT PUNCHED @ 36" O.C.

BH-36 METAL DECK PROPERTIES & PROFILE

TYP. REINFORCED FLOOR FRAMING @ FOUNDATION ANCHORAGE

SCALE 3"=1'-0"

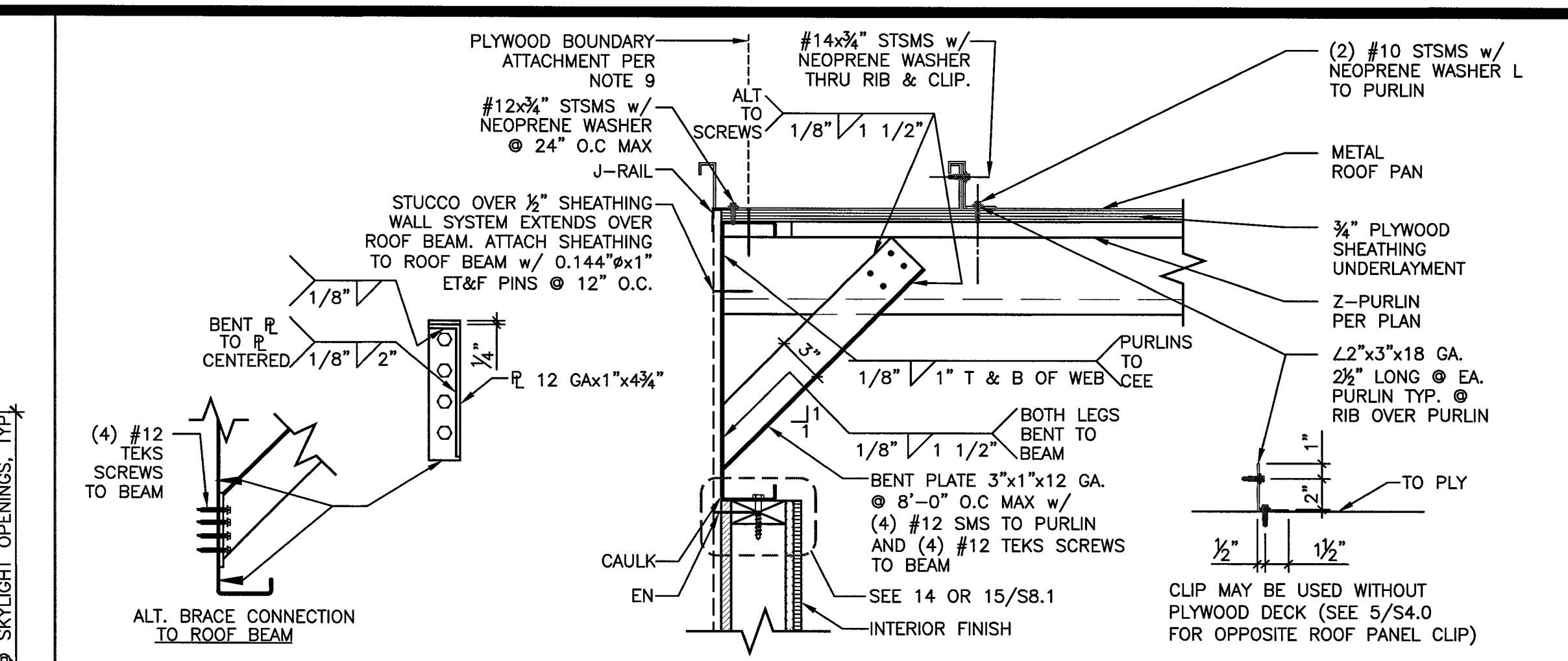


TYPICAL ROOF FRAMING LAYOUT (ENCLOSED SOFFIT) SCALE: 1/4"=1'-0"

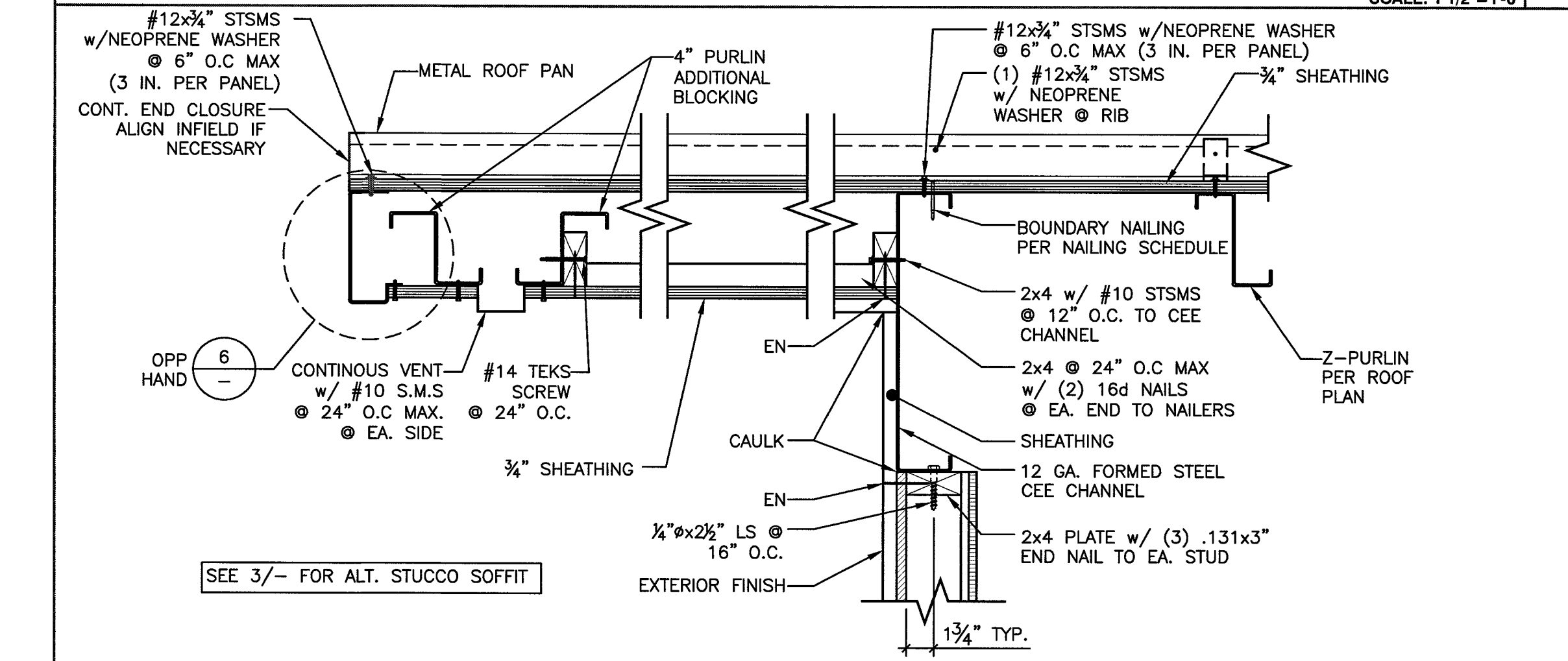
| BUILDING SIZE SCHEDULE | | | |
|---|--------------------------------|---------------------------|------------------|
| BUILDING SIZE (FT) | TOTAL # OF 12'-0" WIDE MODULES | TOTAL # OF CENTER MODULES | TOTAL FNDN WIDTH |
| <input checked="" type="checkbox"/> 24'x40' | 2 | 0 | 23'-8 1/2" |
| <input type="checkbox"/> 36'x40' | 3 | 1 | 35'-6 1/2" |
| <input type="checkbox"/> 48'x40' | 4 | 2 | 47'-5" |
| <input type="checkbox"/> 60'x40' | 5 | 3 | 59'-3 1/4" |
| <input type="checkbox"/> 72'x40' | 6 | 4 | 71'-1 1/2" |
| <input type="checkbox"/> 84'x40' | 7 | 5 | 82'-11 3/4" |
| <input type="checkbox"/> 96'x40' | 8 | 6 | 94'-10" |
| <input type="checkbox"/> 108'x40' | 9 | 7 | 106'-8 1/4" |
| <input type="checkbox"/> 120'x40' | 10 | 8 | 118'-6 1/2" |

NOTES:
1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULAR CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1, S1.2, & S1.3.

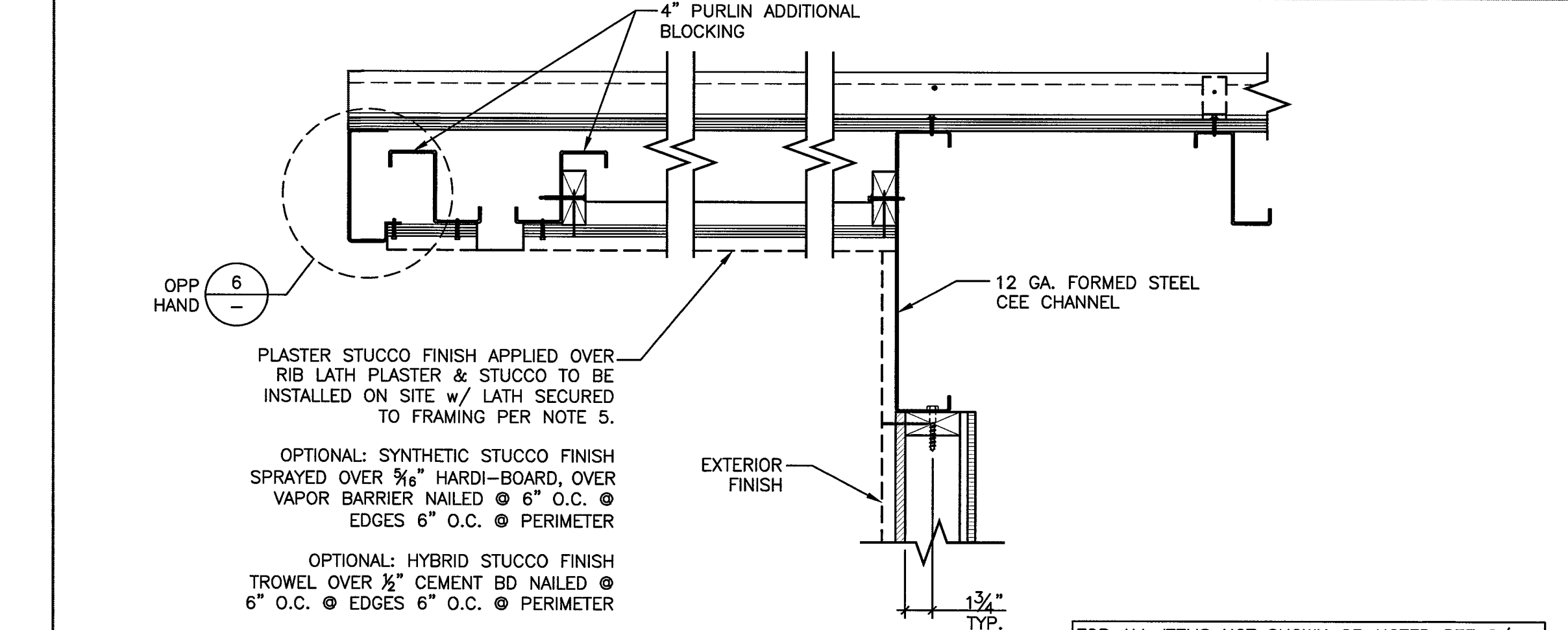
BUILDING SIZE SCHEDULE



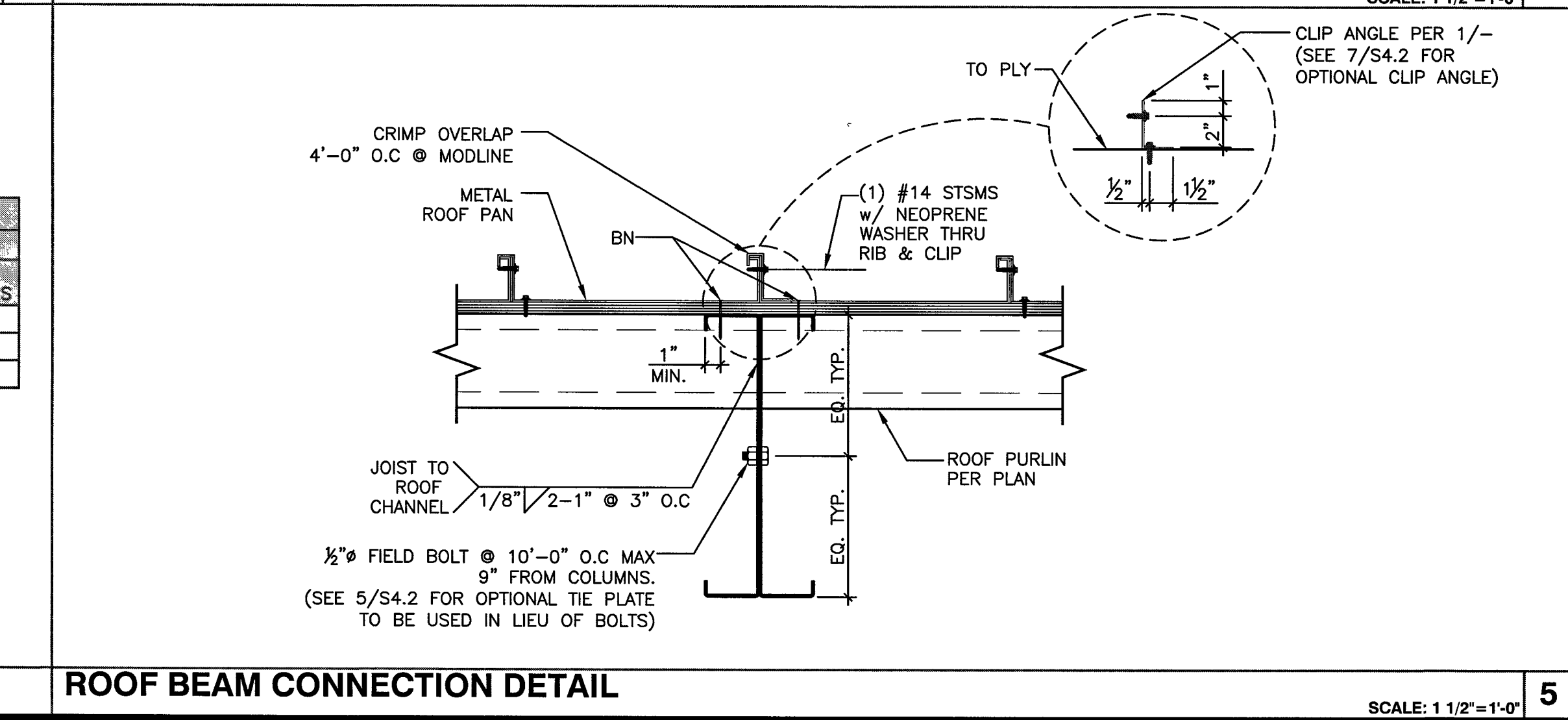
SIDE WALL TO ROOM BEAM DETAIL SCALE: 1 1/2"=1'-0"



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



ALTERNATE OVERHANG DETAIL w/ STUCCO SOFFIT SCALE: 1 1/2"=1'-0"



ROOF BEAM CONNECTION DETAIL SCALE: 1 1/2"=1'-0"

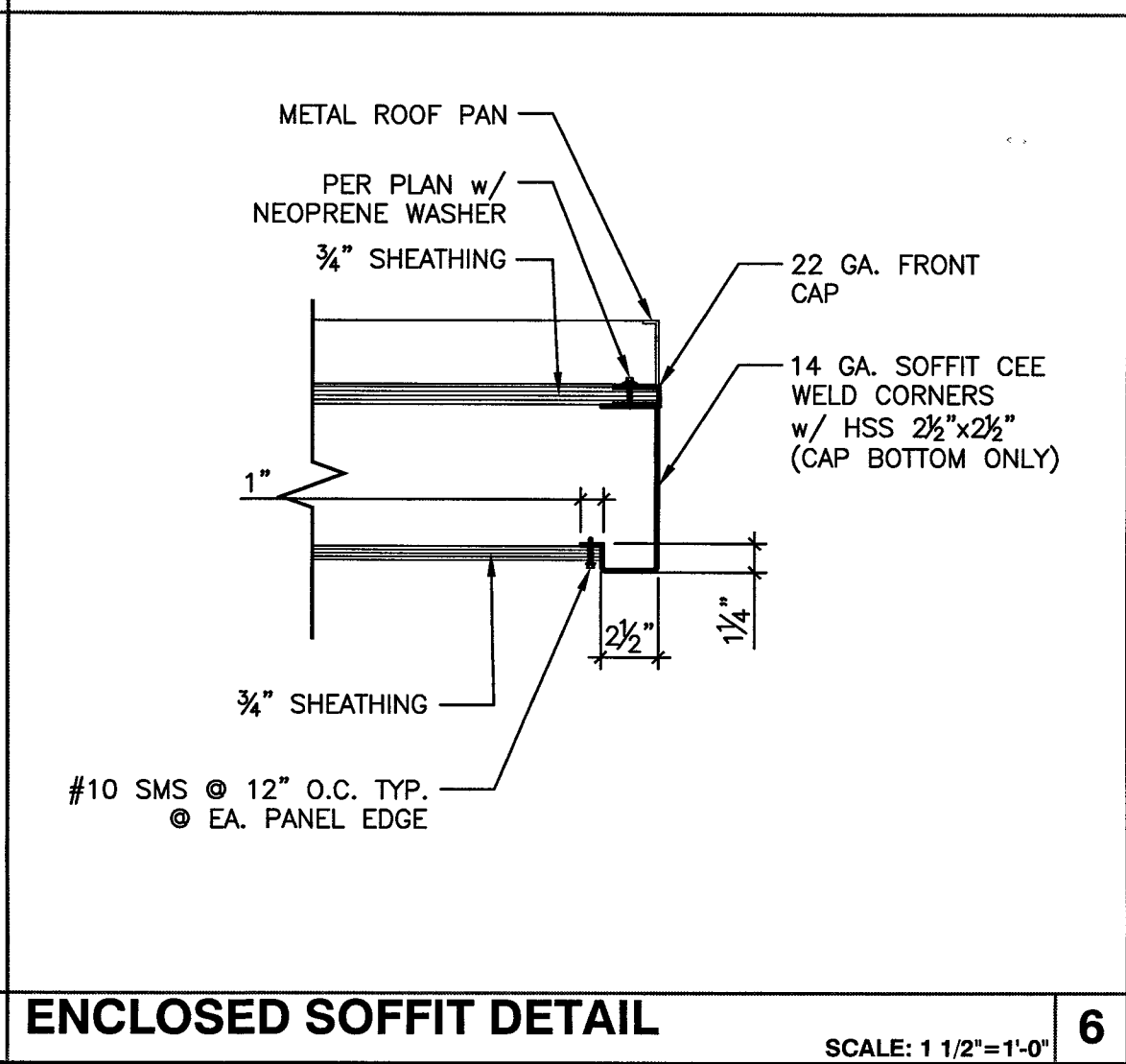
- TRANSVERSE ROOF BEAM PER SHEET S5.0.
- LONGITUDINAL ROOF BEAM PER SHEET S5.0.
- HSS COLUMN PER SHEET S5.0.
- ROOF PURLINS @ 48" O.C. MAX. - SEE SHEET S0.0.
- METAL ROOF PAN - SEE SHEET S0.0. ALTERNATE: 26 GA. ROOF PAN w/ ROOF SHEATHING & ENCLOSED SOFFIT OVERHANG OPTIONS ONLY. SEE THIS SHEET FOR DETAILS.
- PROVIDE DOUBLE PURLINS AND BLOCKING PER 2-4/S4.2. (1) HVAC UNIT PER MODULE MAX. PROVIDE SINGLE PURLINS AND BLOCKING PER 3/S4.2. (2) OPTIONAL SKYLIGHT OPENINGS, (4) SKYLIGHT OPENINGS PER MODULE MAX. LOCATE OPENINGS PER ROOF PLAN & PROVIDE 48" CLEAR MIN. BETWEEN ALL OPENINGS, TYP.

- NOTE: DO NOT HEAD OFF ROOF PURLINS FOR OPENINGS FOR HVAC/SKYLIGHT FRAMING. ALL ROOF PURLINS SHALL BE CONTINUOUS ACROSS MODULE. LAYOUT OF CONTINUOUS ROOF PURLINS MAY BE ADJUSTED TO ACCOMMODATE HVAC/SKYLIGHT LAYOUT AS LONG AS SPACING DOES NOT EXCEED 48" O.C.
- PLACE HVAC/SKYLIGHT OPENINGS TO AVOID INTERRUPTION OF STRAP CROSS-BRACING WHERE OSB/PLYWOOD SHEATHING IS NOT UTILIZED. CROSS-BRACING MAY BE INTERRUPTED ONLY IF OSB/PLYWOOD SHEATHING IS USED.
- MID-SPAN PURLIN BLOCKING WELD TO ROOF PURLINS PER DETAIL 3/S4.2. BLOCKING IS ONLY REQUIRED AT END MODULES AT PURLINS WITH DIAGONAL BEAM BRACING AT EXTERIOR SIDE WALLS PER 8.
 - 3x1x12 GA. BENT PLATE DIAGONAL BRACE TO ROOF BEAM @ 12'-0" O.C. MAX & AT ROOF STRAP CROSS BRACING LOCATIONS PER 1/-/. SEE DETAIL 5/-/. BEAMS. PROVIDE PURLIN BLOCKING @ EACH BRACE @ END MODULES ONLY PER 7 ABOVE.
 - 3/4" APA RATED L-P OSB OR 3/4" PLYWOOD (ALL OSB OR PLYWOOD SHALL BE EITHER T&G OR EDGE CLIPPED AT UNSUPPORTED EDGES) CONFORMING TO PS 1-09 OR PS 2-10, CD EXPOSURE-1 48/24 SPAN INDEX, 2 SPANS MIN. (EXCEPT CENTER PANEL @ MODULE END BAYS), STAGGERED JOINTS, FACE GRAIN NORMAL TO ROOF PURLINS. ALL BOUNDARY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN. FROM EDGE OF OSB OR PLYWOOD & EDGE OF STEEL SUPPORTING MEMBER. REFER TO FASTENING SCHEDULE FOR FASTENING.
 - 2 1/2" SQ. HSS SOFFIT COLUMN - SEE 5/S5.0.
 - 14 GA. FORMED STEEL SOFFIT CEE - SEE S0.0.
 - ADDITIONAL BLOCKING FOR SOFFIT VENT

KEY NOTES

- THE MATERIAL THICKNESS OF LIGHT GAUGE STRUCTURAL MEMBERS, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED ON SHEET S0.0. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.
- SEE SHEET S8.0 & S9.0 FOR TYP. SIDE WALL FRAMING.
- SEE SHEET S8.0 & S9.0 FOR TYP. END WALL FRAMING.
- ALL FASTENERS THRU METAL ROOF PANEL SHALL BE INSTALLED w/ NEOPRENE WASHERS.
- FOR PLASTER STUCCO FINISH @ SOFFIT, LATH SHALL BE SECURED PER THE FOLLOWING (CBC 2507.3): SECURE LATH TO ALTERNATE SUPPORTS WITH TIES CONSISTING OF A DOUBLE STRAND OF NO. 18 W & M GAGE GALVANIZED ANNEALED WIRE AT ONE EDGE OF EACH SHEET OF LATH. WIRE TIES SHALL BE INSTALLED NOT LESS THAN 3 INCHES (76MM) BACK FROM THE EDGE OF EACH SHEET AND SHALL BE LOOPED AROUND STRIPPING, OR ATTACHED TO A #8 SMS SCREW INTO EACH SIDE OF THE PURLIN - 2 INCHES (51MM) ABOVE THE BOTTOM OF THE PURLIN OR TO EACH END OF A #12 SMS DRIVEN HORIZONTALLY THROUGH THE PURLIN - 2 INCHES (51MM) ABOVE THE BOTTOM OF THE PURLIN AND THE ENDS OF THE WIRE SECURED TOGETHER WITH THREE TWISTS OF WIRE.

GENERAL NOTES



ENCLOSED SOFFIT DETAIL SCALE: 1 1/2"=1'-0"

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DATE: 08/11/2021

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PRE-CHECKED SET NAME

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

SITE SPECIFIC PROJECT NAME

SHEET TITLE
ROOF FRAMING PLAN
& DETAILS
ENCLOSED SOFFIT OPTION

MANUFACTURER PROFESSIONAL OF RECORD ON PC
MICHAEL PATRICK COMPANY
No. C12631
Ren. 3-31-19
STATE OF CALIFORNIA
01-08-19
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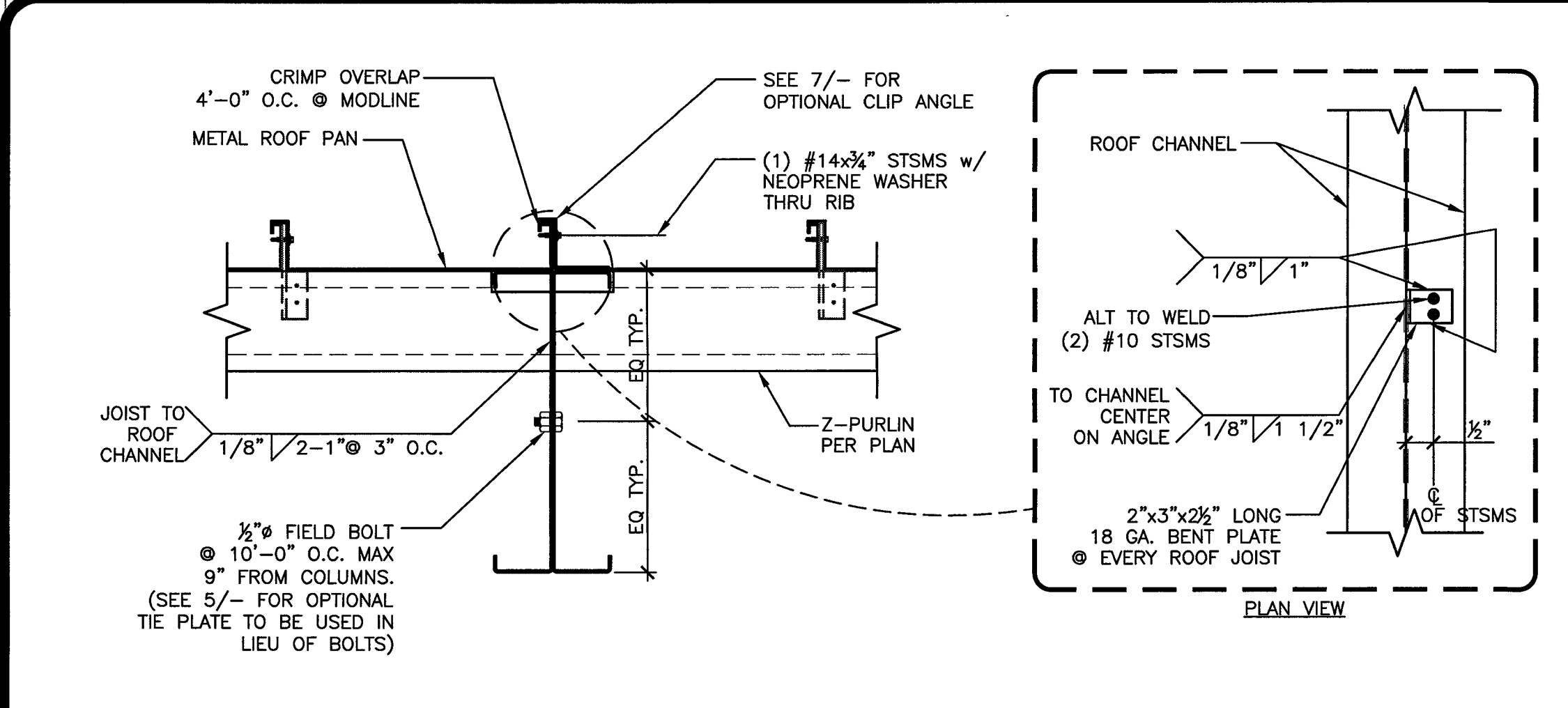
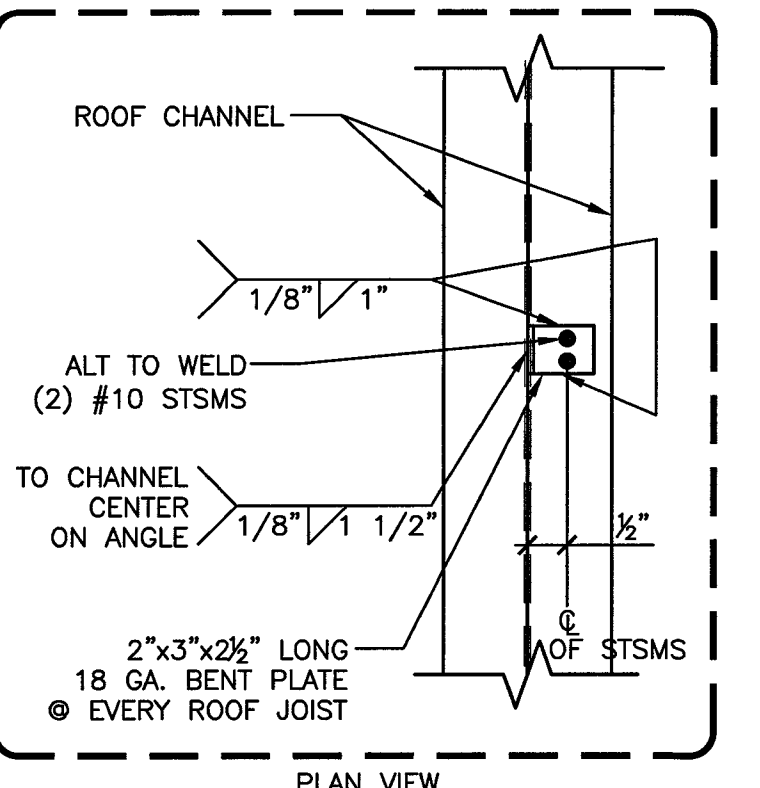
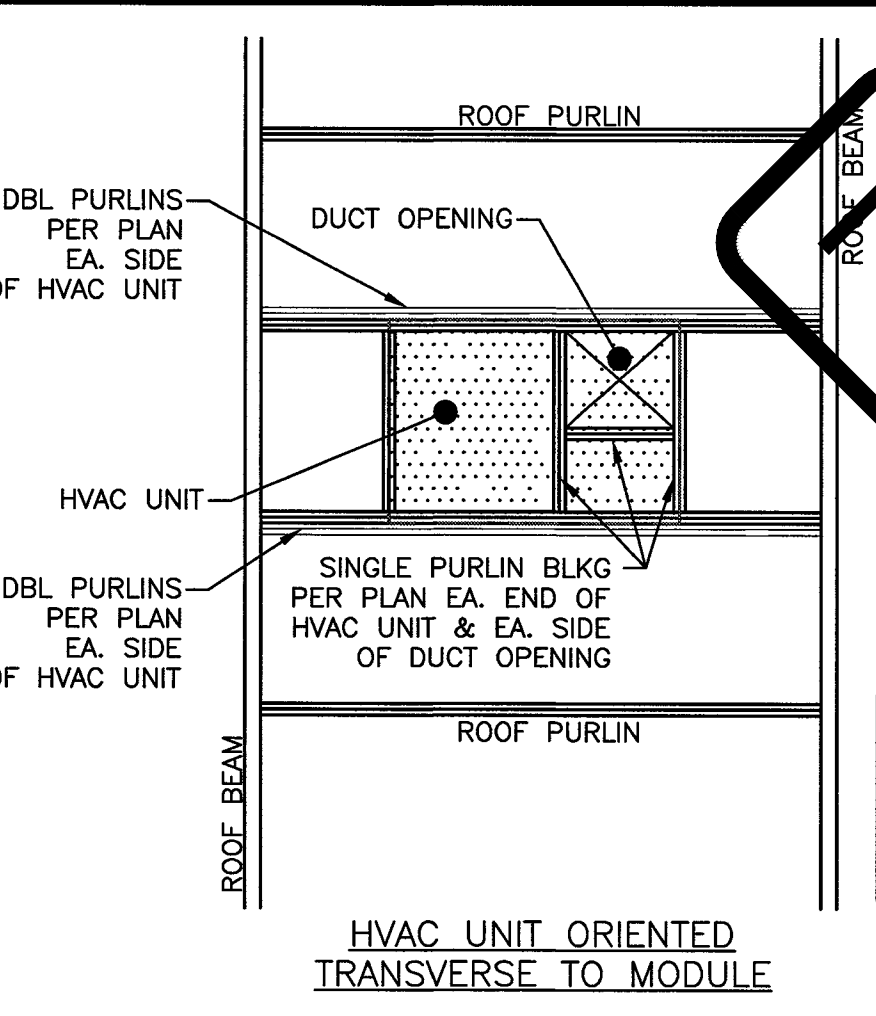
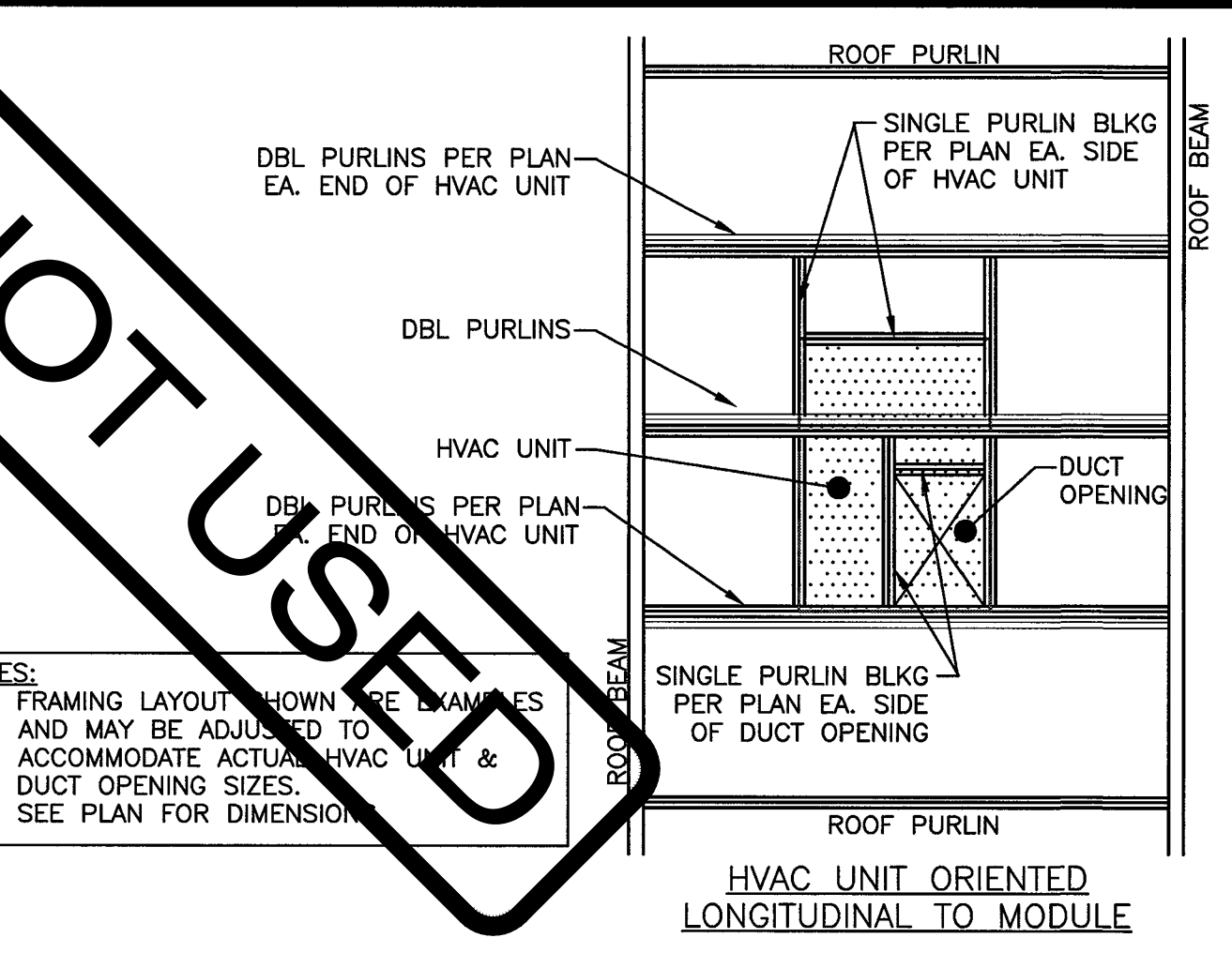
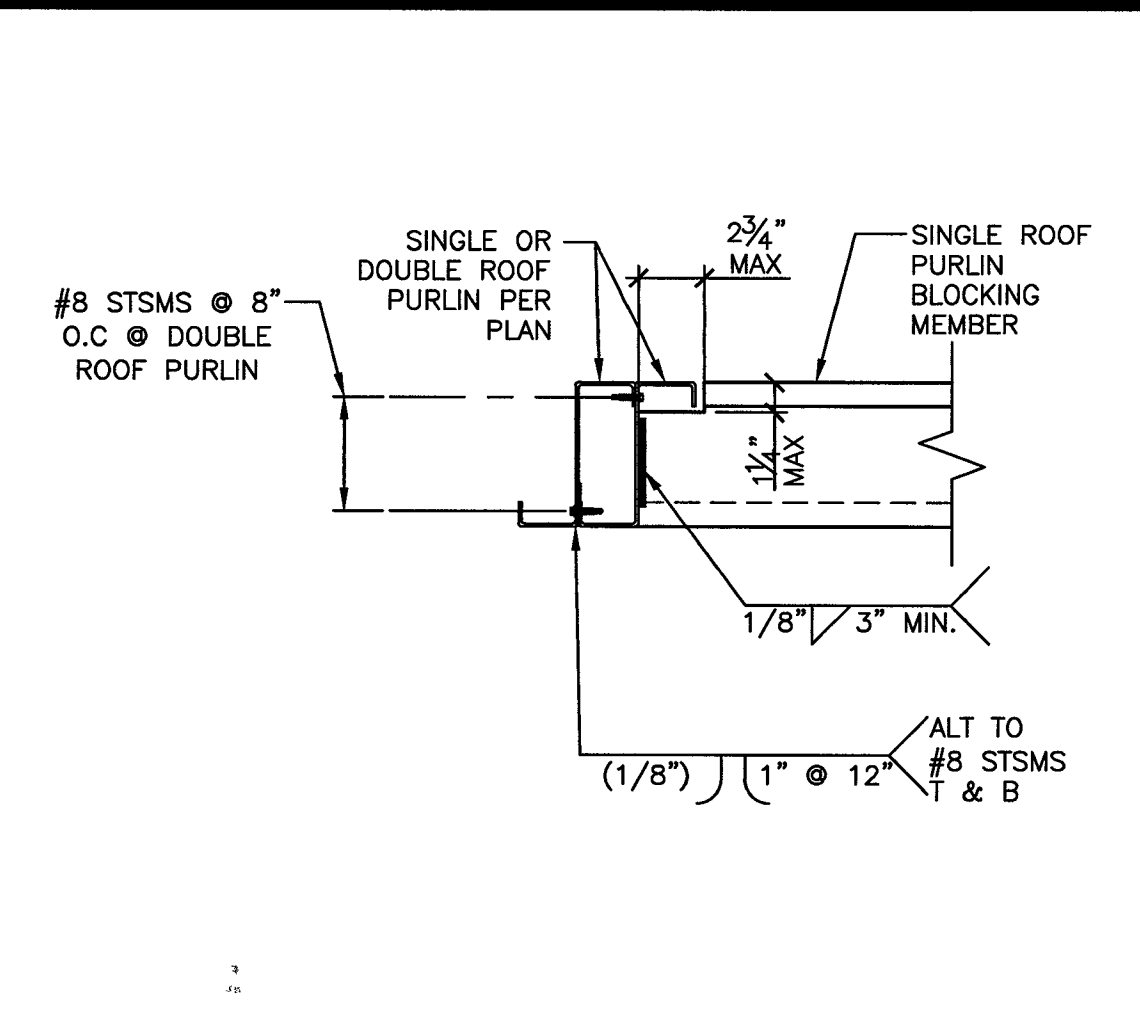
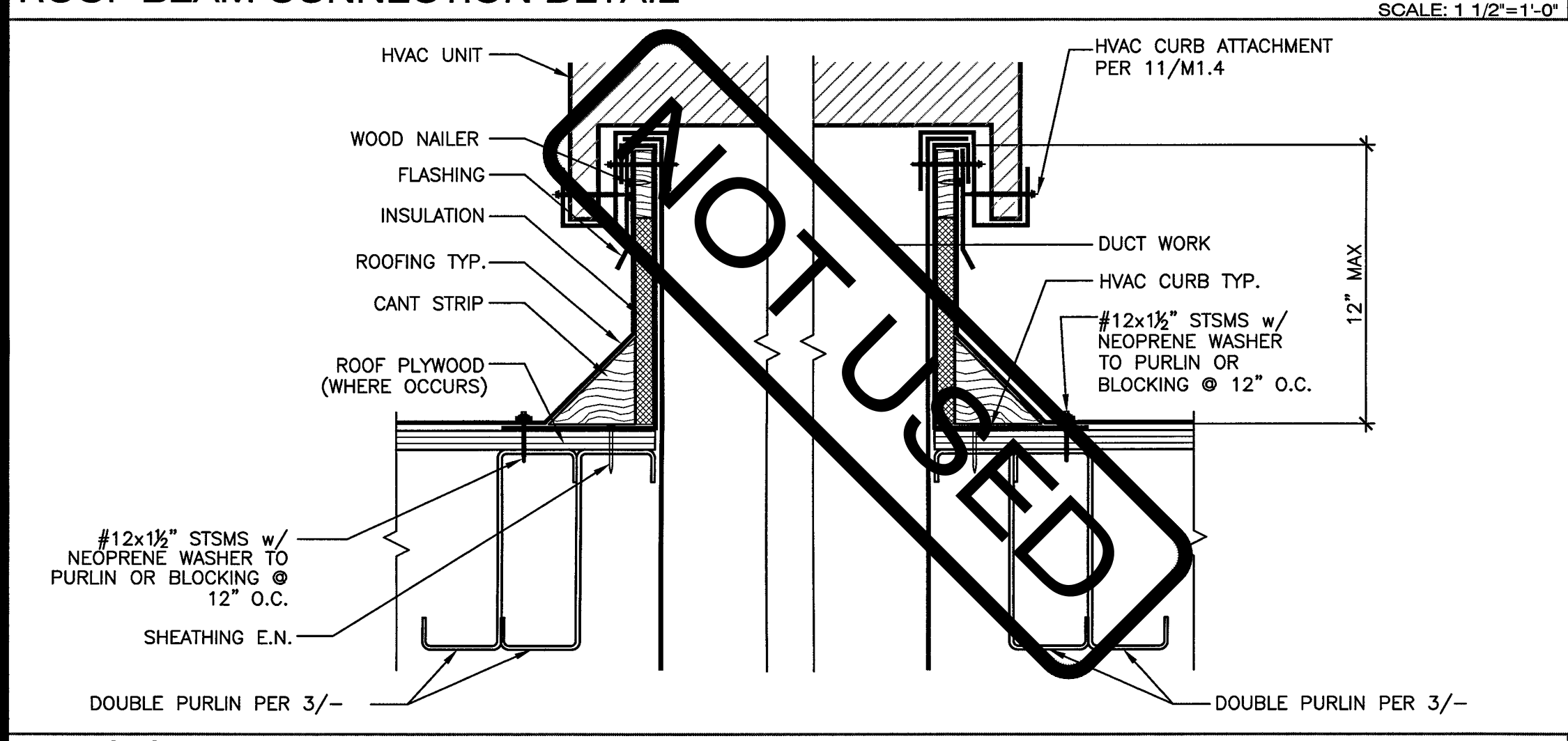
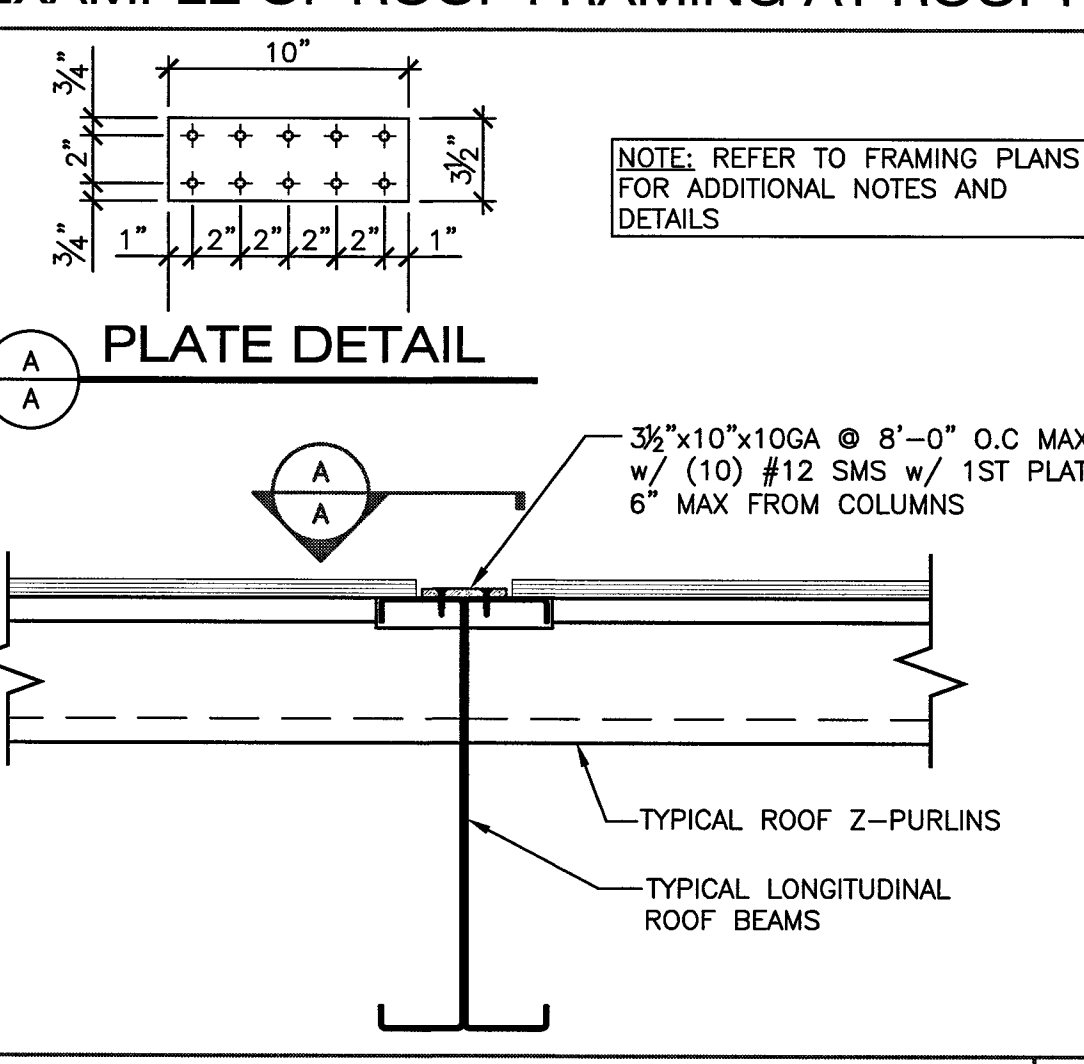
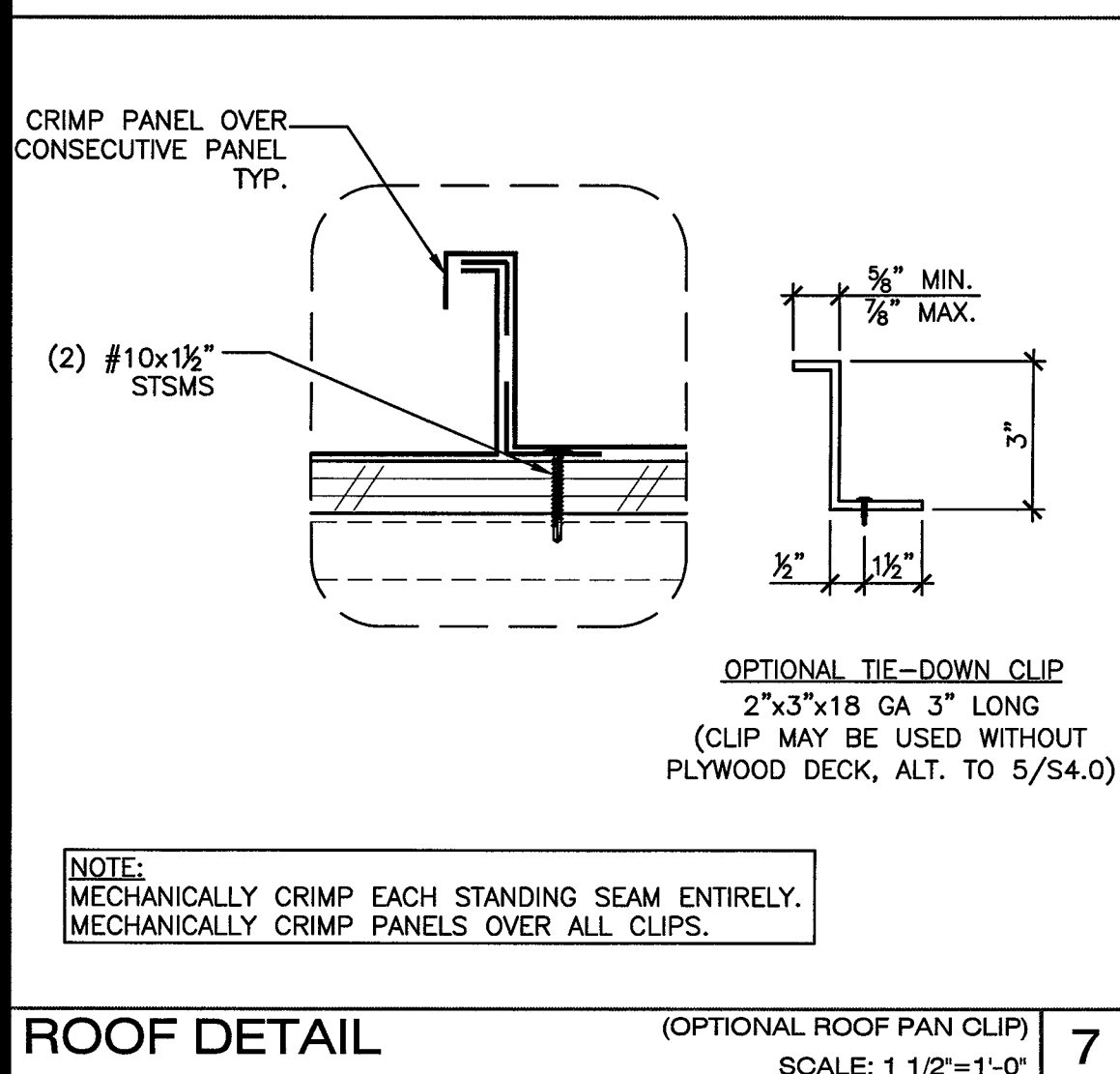
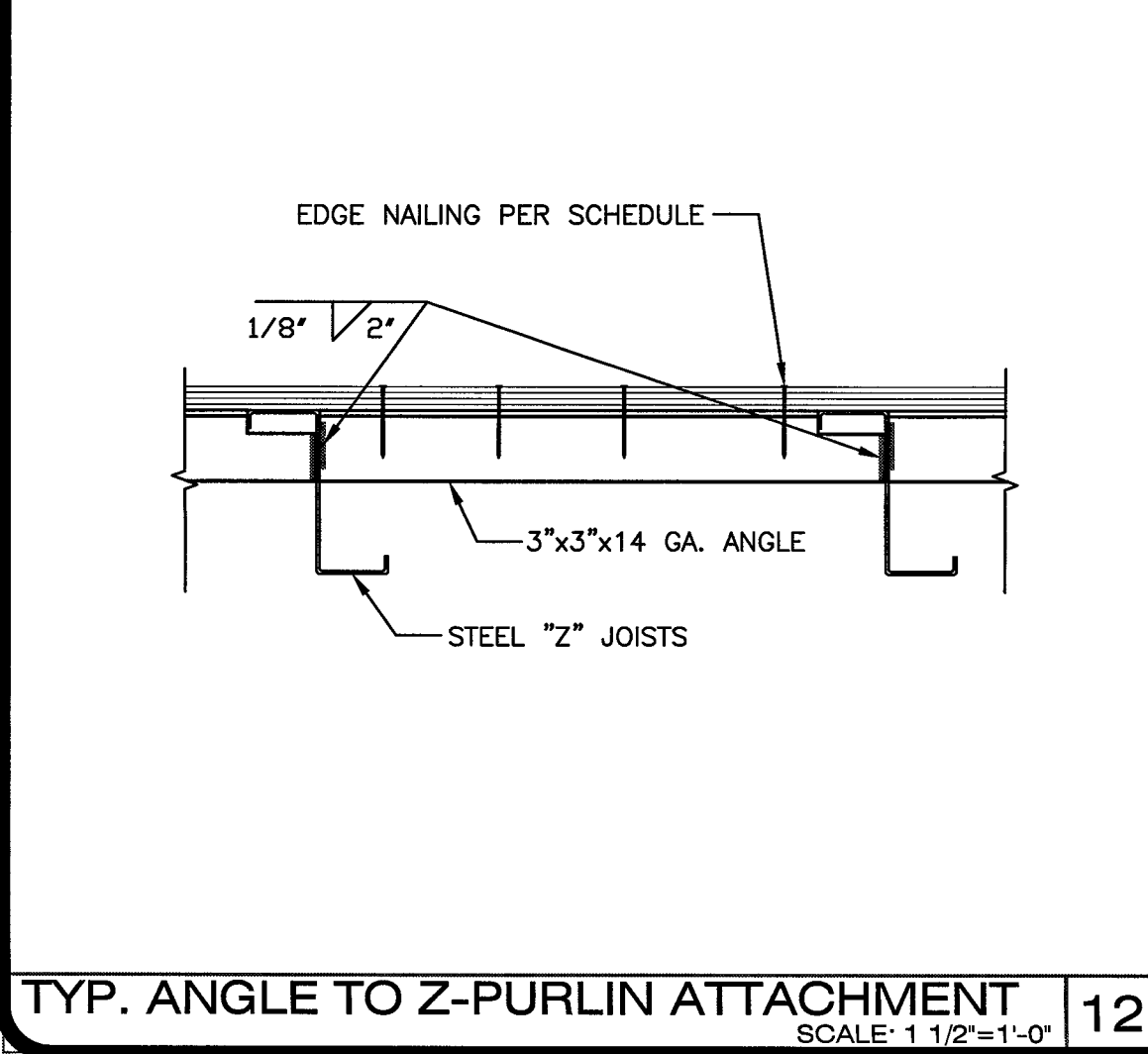
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-115700
AC ☒ FLS ☒ SS ☒
DATE: 6-21-2019

PRE-CHECK (PC) DOCUMENT
CODE 2016 CBC
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REVISIONS
GENERAL REVISIONS - 01/02/19

DRAWN BY:
SCALE: AS NOTED
DATE:
SHEET NUMBER

S4.1

| | | | | | | | | | |
|--|--|---|--|---|--|--|--|--|--|
|  | |  | |  | |  | |  | |
| ROOF BEAM CONNECTION DETAIL | | 1 | | EXAMPLE OF ROOF FRAMING AT ROOFTOP HVAC UNITS | | 2 | | BLOCKING & DBL PURLIN CONNECTION DETAIL | |
|  | | 4 | |  | | 5 | | 6 | |
| HVAC CURB DETAIL ANCHORAGE | | 4 | | OPTIONAL ROOF TIE PLATE | | 5 | | NOT USED | |
|  | | 7 | | 8 | | 9 | | 10 | |
| ROOF DETAIL | | 7 | | NOT USED | | NOT USED | | NOT USED | |
|  | | 12 | | 13 | | 14 | | 15 | |
| TYP. ANGLE TO Z-PURLIN ATTACHMENT | | 12 | | NOT USED | | NOT USED | | GENERAL NOTES | |

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

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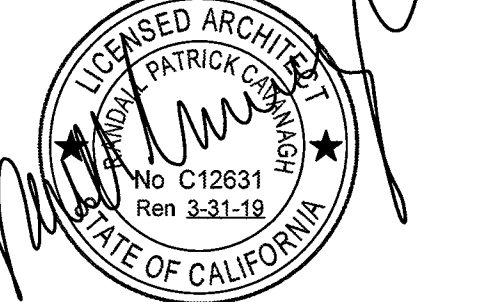
24'x40' THRU 120'x40'
STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

ROOF FRAMING
DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC


01-08-19

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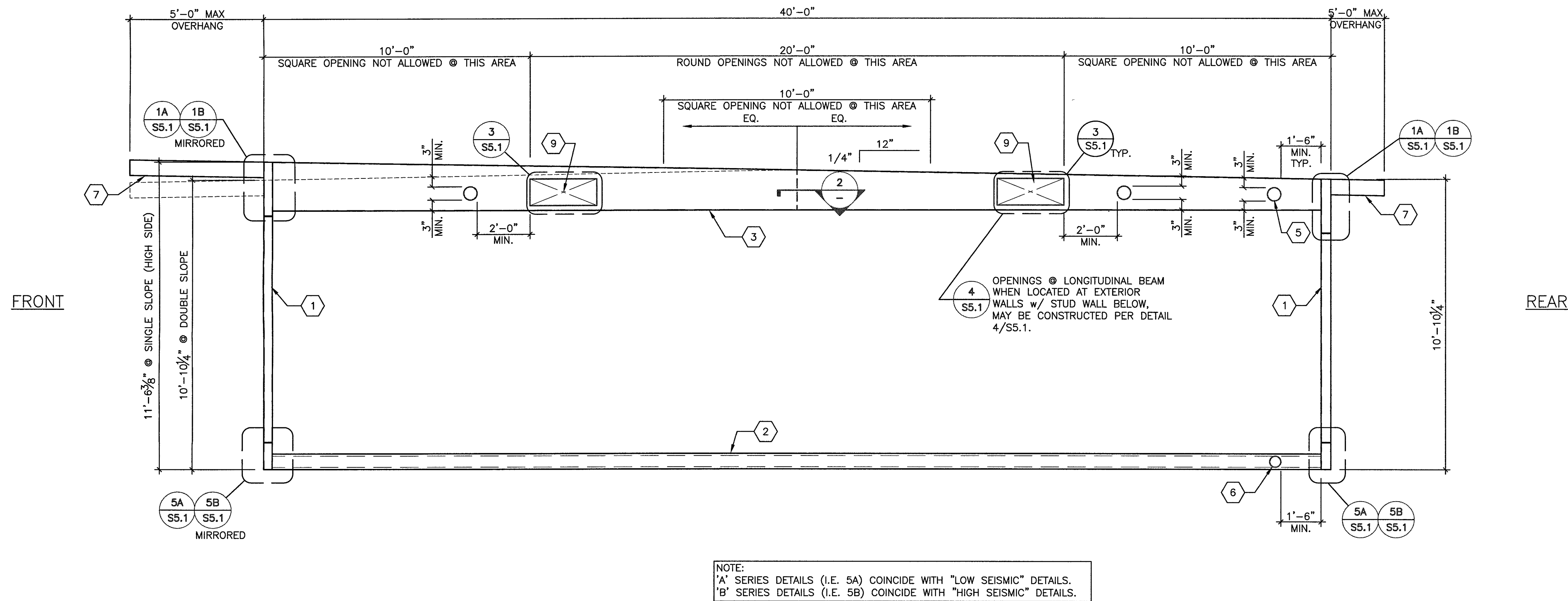
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DIV. OF THE STATE ARCHITECT
REV
PC 02-115700
AC ☒ FLS ☒ SS ☒
DATE: 6-21-2019

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CODE 2018 CBC
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GENERAL REVISIONS - 01/02/19

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DATE:
SHEET NUMBER

S4.2



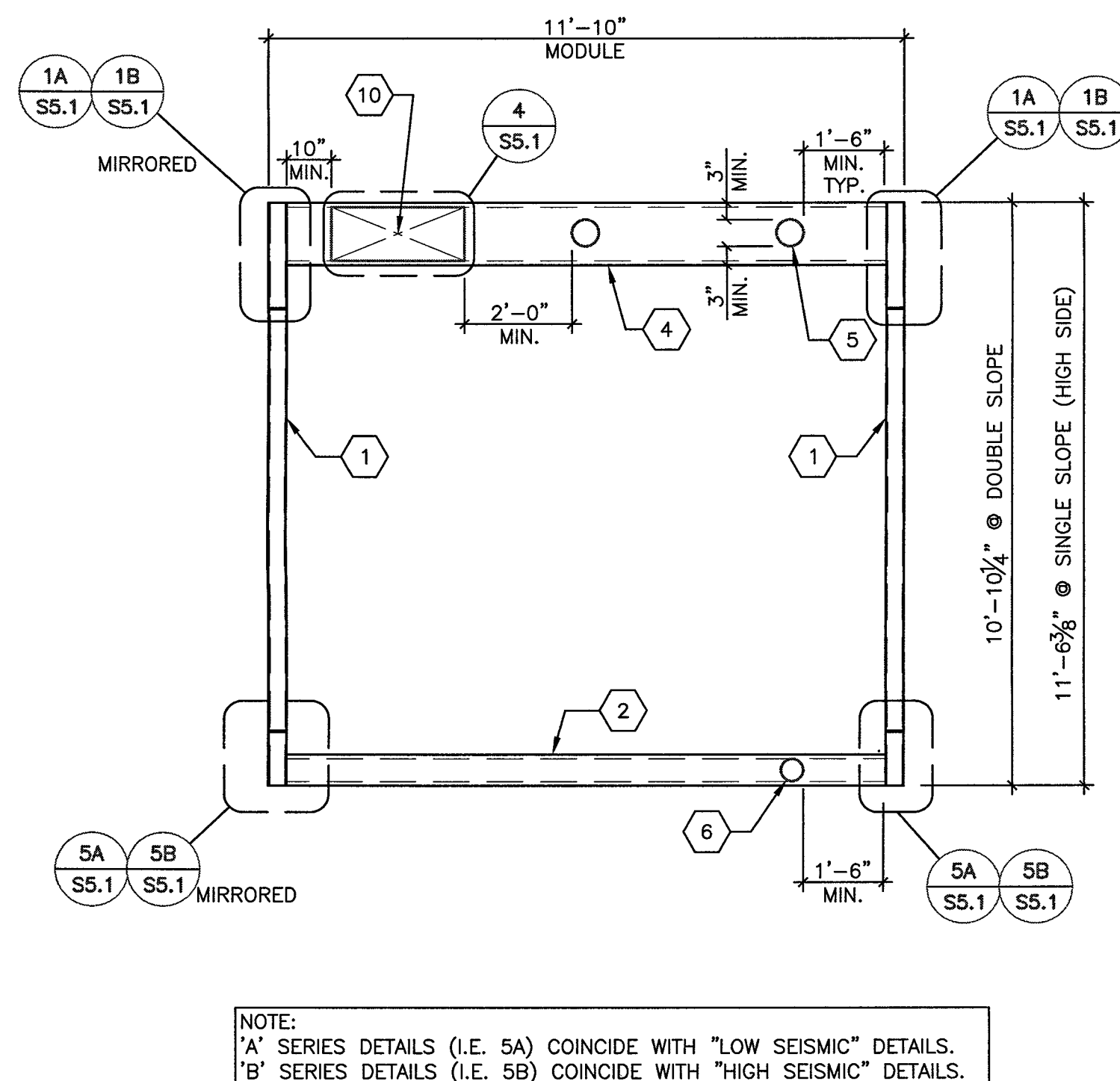
TYPICAL LONGITUDINAL FRAME ELEVATION

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

1

KEY NOTES

- 1 HSS COLUMN - SEE SCHEDULE 3/- BELOW
- 2 FLOOR BEAM - SEE SCHEDULE 3/- BELOW
- 3 LONGITUDINAL ROOF BEAM - SEE SCHEDULE 3/- BELOW
14"-18"-14" @ DOUBLE SLOPE TYPE
14"-22" @ SINGLE SLOPE TYPE
- 4 TRANSVERSE ROOF BEAM - SEE SCHEDULE BELOW 14" MIN. 22" MAX.
- 5 6" MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT MINIMUM SPACING OF HOLES @ 48" O.C., HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION. - SEE 6/S5.1
NOTE: IF HOLE IS 3" OR LESS, THEY MAY BE SPACED @ 24" O.C. MINIMUM
- 6 4" MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT MINIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELOW. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATIONS OR ACROSS VENT OPENINGS. - SEE 6/S5.1
NOTE: IF HOLE IS 2" OR LESS, THEY MAY BE SPACED @ 24" O.C. MINIMUM.
- 7 14 GA. OUTRIGGER CHANNEL (FORMED SOFFIT CEE) AT OPTIONAL ENCLOSED OVERHANG - REFER TO DETAIL 1A OR 1B/S5.1 & S0.0 FOR PROPERTIES.
- 8 NOT USED
- 9 LONGITUDINAL BEAM OPENING:
REFER TO DETAIL 3/S5.1 FOR OPENING REINFORCEMENT (10"x18" MAX OPENING SIZE)
- 10 TRANSVERSE BEAM OPENING:
REFER TO DETAIL 4/S5.1 FOR OPENING REINFORCEMENT (10"x30" MAX OPENING SIZE)

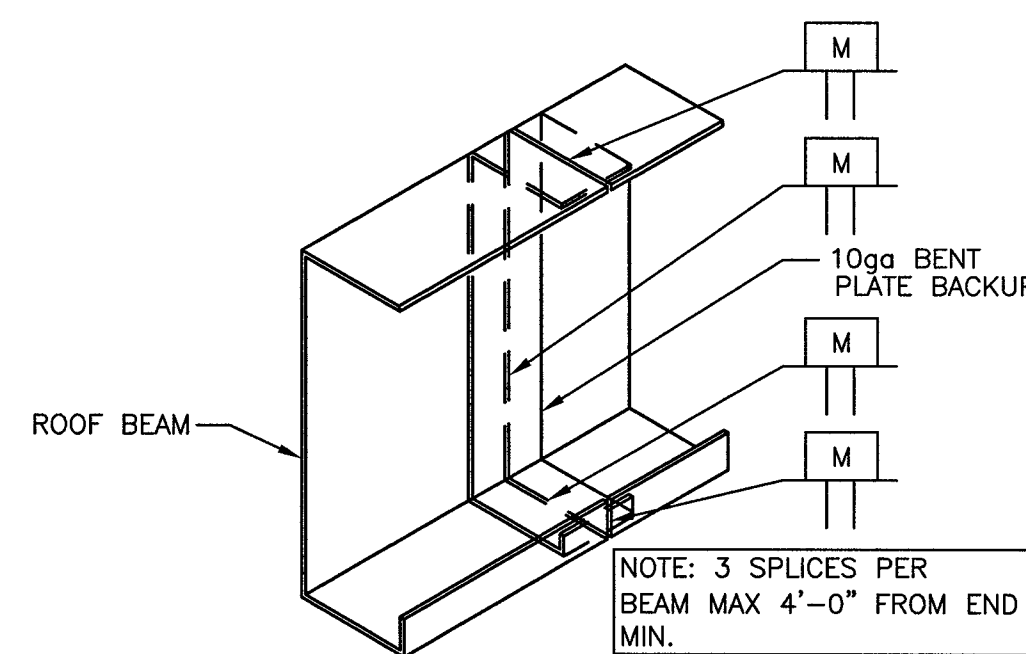


TYPICAL TRANSVERSE FRAME ELEVATION

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

4

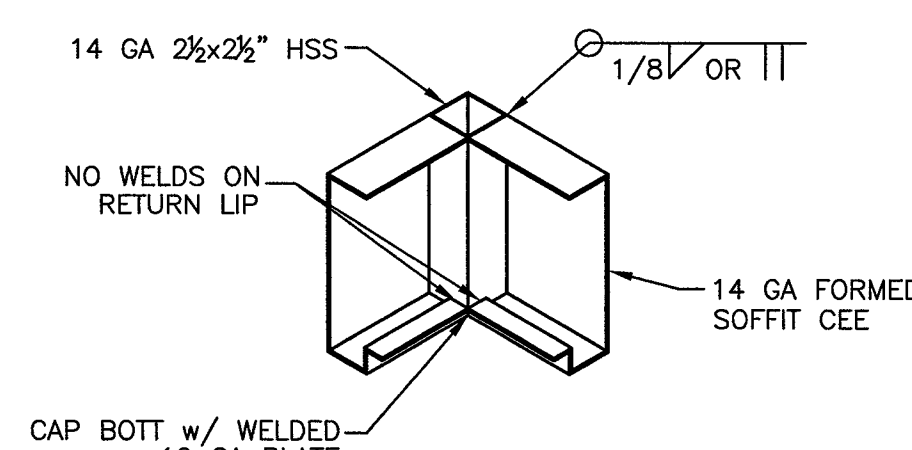
THE WELDING PROCEDURE QUALIFICATION TEST RECORD AND WELDING PROCEDURE SPECIFICATION FOR THIS WELD SHALL BE PREPARED IN ACCORDANCE WITH AWS D1.1-10 & D1.3-08 AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND SUBMITAL TO THE D.S.A. TYPICAL ALL DETAILS THIS SHEET. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT.-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION.



TYPICAL BEAM SLICE

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

2



OVERHANG CORNER DETAIL

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

5

FRAME MEMBER SCHEDULE - (LOW SEISMIC)

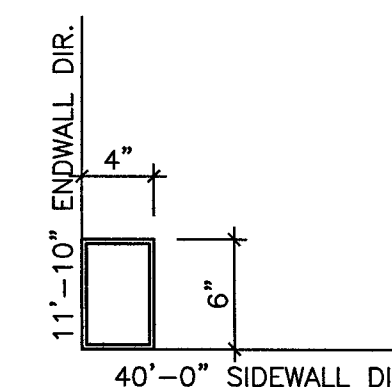
3A

| FLOOR BEAMS | | ALT. FLOOR BEAMS | | COLUMNS | LONGITUDINAL ROOF CHANNEL | TRANSVERSE ROOF CHANNEL |
|---------------|------------------|-------------------------------------|----------------|-------------|---------------------------|-------------------------|
| PLYWOOD FLOOR | CONCRETE FLOOR | PLYWOOD FLOOR | CONCRETE FLOOR | | | |
| C7x9.8 | C9x13.4 (36 KSI) | C9x13.4 (36 KSI) OPTIONAL: C10x15.3 | C10x15.3 | HSS 4x4x3/8 | 10 GA. | 12 GA. |

NOTE: SEE ALL SECTION PROPERTIES ON SHEET S0.0

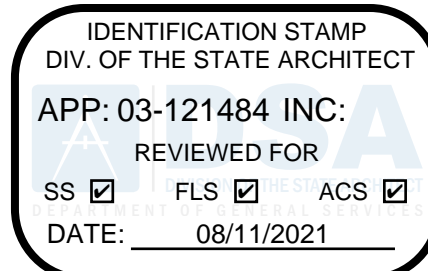
| FLOOR BEAMS | | ALT. FLOOR BEAMS | | COLUMNS | LONGITUDINAL ROOF CHANNEL | TRANSVERSE ROOF CHANNEL |
|------------------|------------------|------------------|----------------|-------------------------------------|---------------------------|-------------------------|
| PLYWOOD FLOOR | CONCRETE FLOOR | PLYWOOD FLOOR | CONCRETE FLOOR | | | |
| C9x13.4 (50 KSI) | C9x13.4 (50 KSI) | C10x15.3 | C10x15.3 | HSS 6x4x3/8 (SEE ORIENTATION BELOW) | 10 GA. | 10 GA. |

NOTE: SEE ALL SECTION PROPERTIES ON SHEET S0.0



FRAME MEMBER SCHEDULE - (HIGH SEISMIC)

3B



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PRE-CHECKED SET NAME

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

SITE SPECIFIC PROJECT NAME

SHEET TITLE

MOMENT FRAME
ELEVATIONS & DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC



8-20-18
RST18175

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PC 02-115700

AC FLS SS

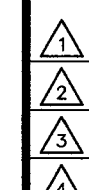
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PRE-CHECK (PC) DOCUMENT

CODE 2016 CBC

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REVISIONS



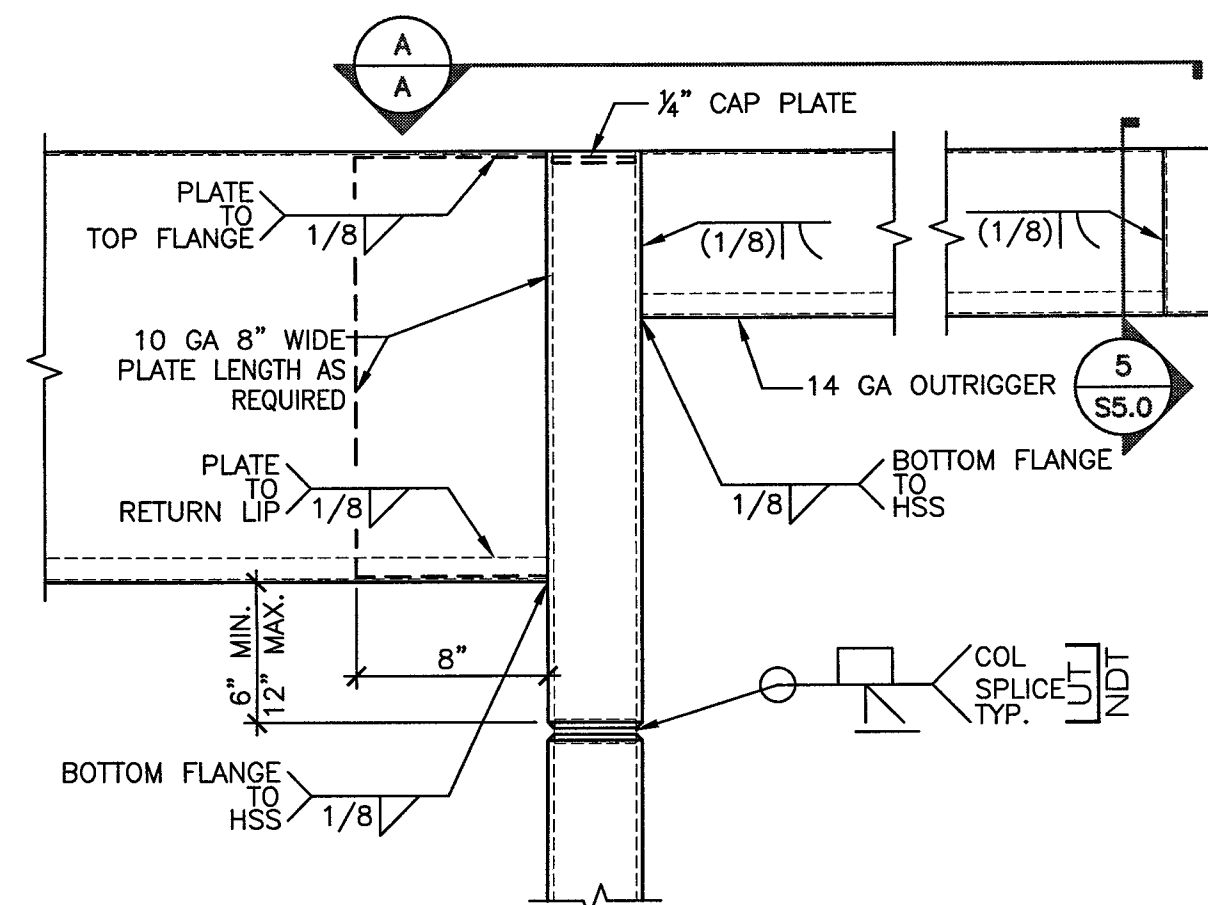
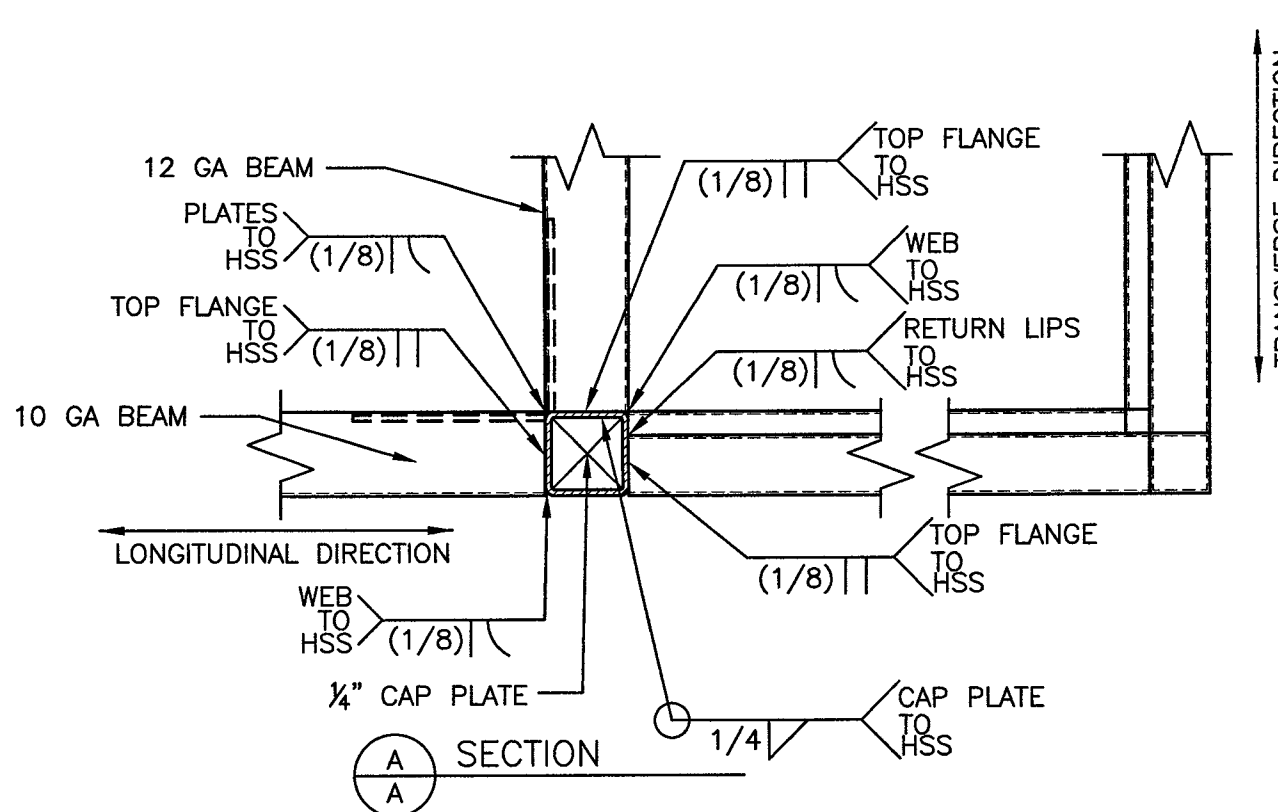
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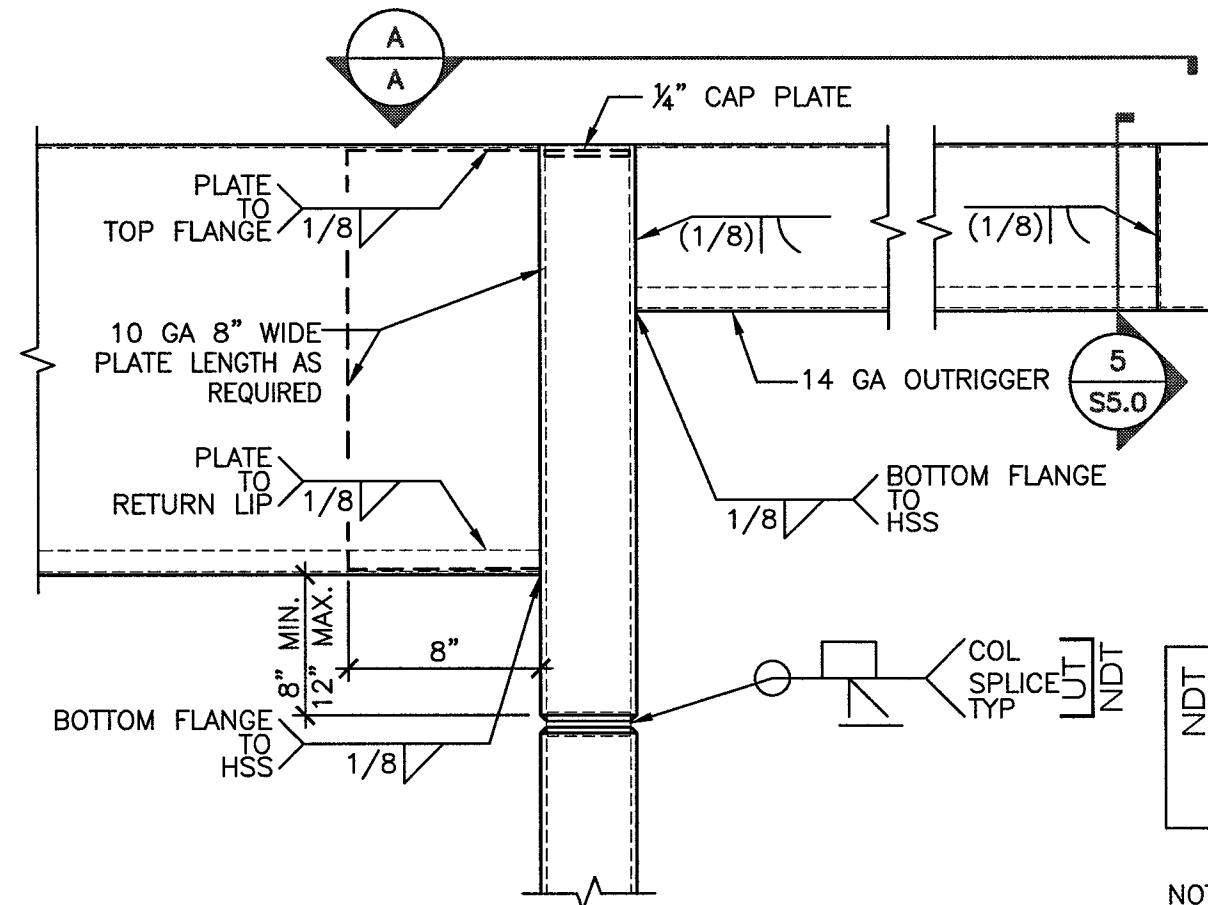
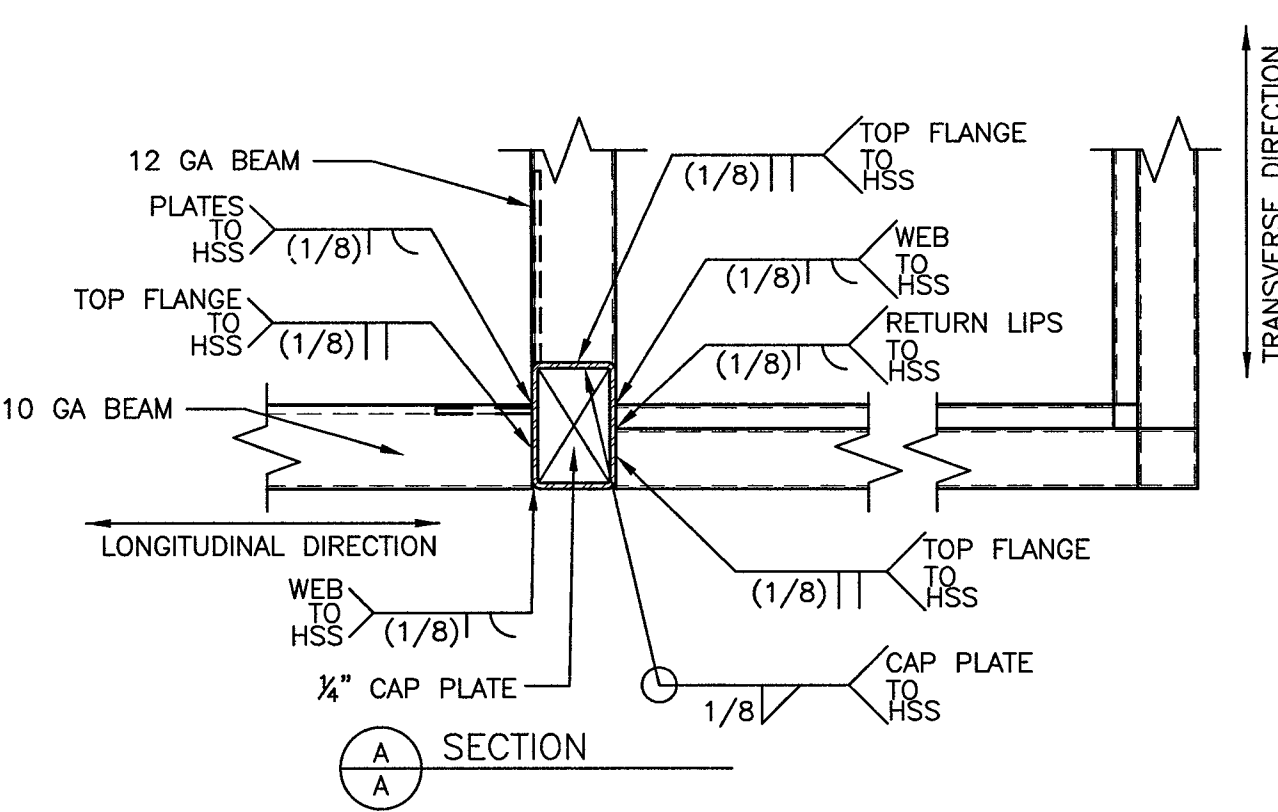
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SHEET NUMBER

S5.0



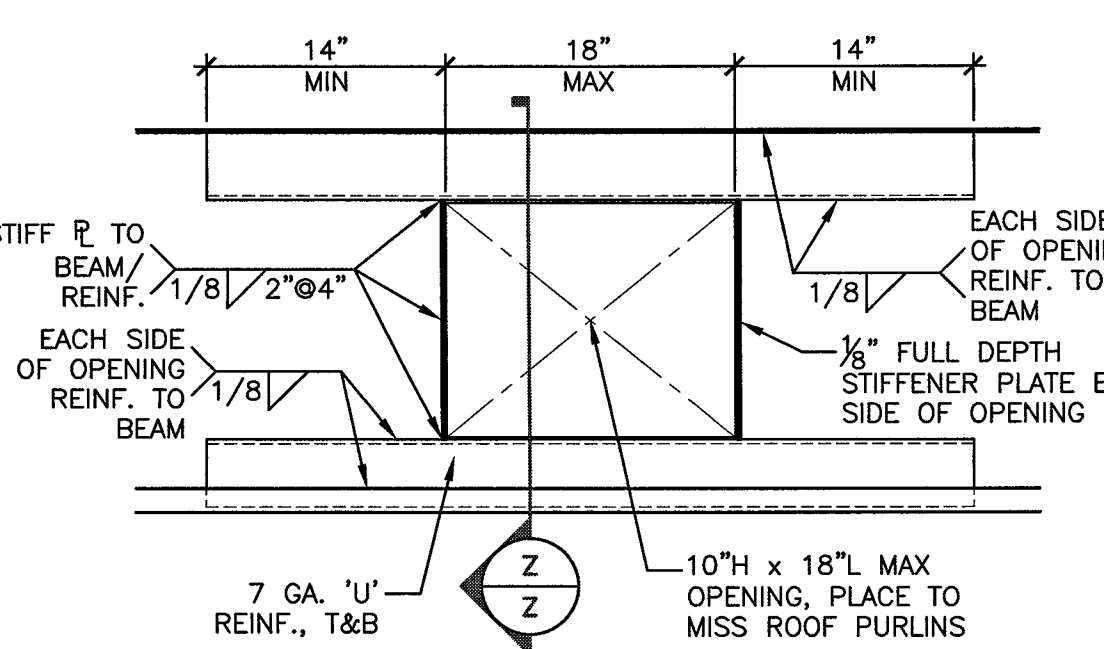
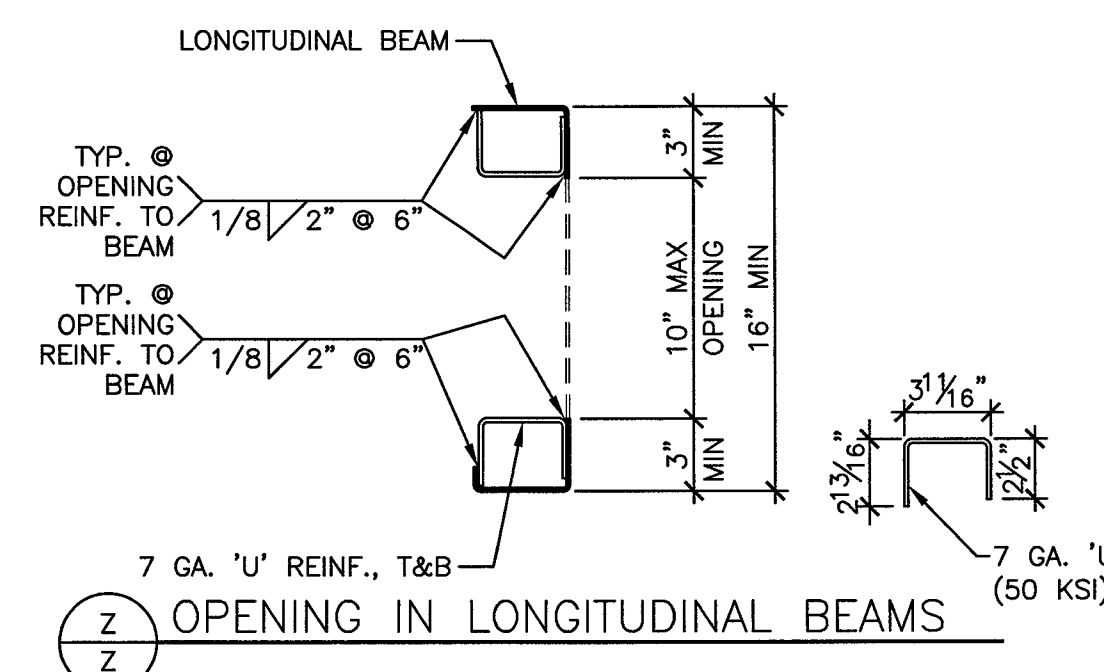
NOTE:
1. LONGITUDINAL ROOF BEAM SHOWN;
TRANSVERSE ROOF BEAM SIMILAR



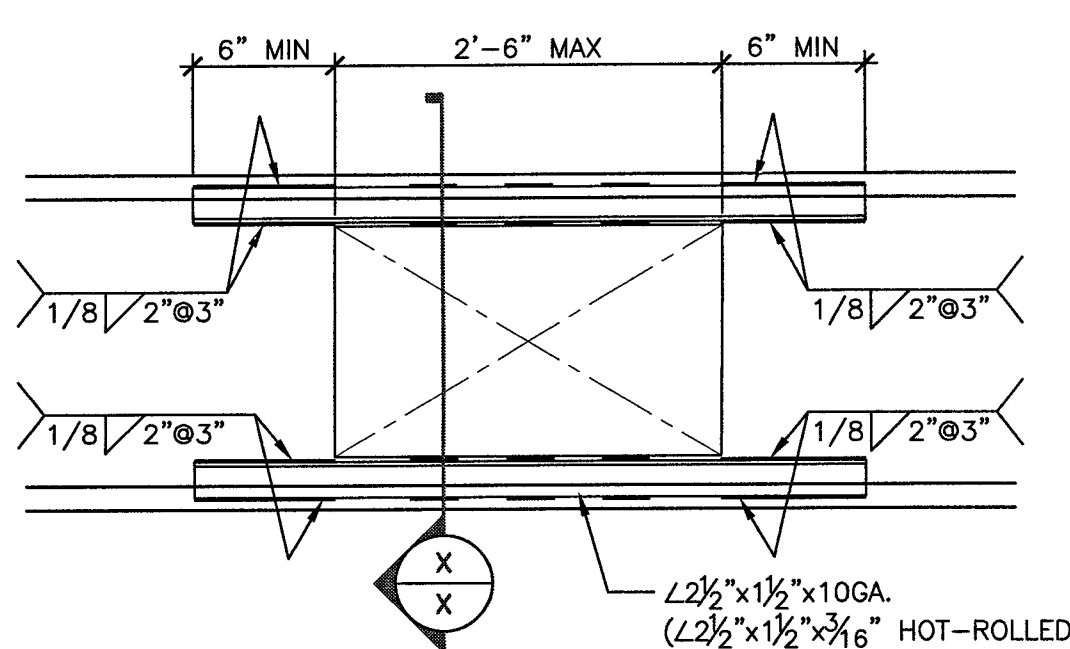
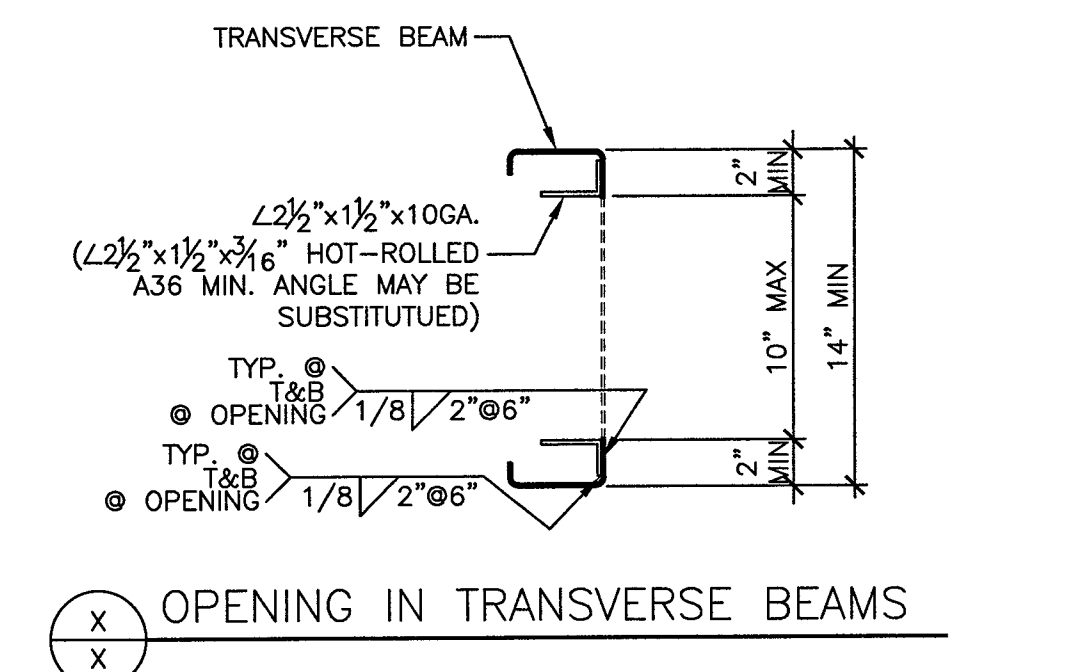
NOTE:
1. LONGITUDINAL ROOF BEAM SHOWN;
TRANSVERSE ROOF BEAM SIMILAR

□ TYPICAL ROOF CHANNEL TO HSS DETAIL - (LOW SEISMIC) SCALE 1 1/2"=1'-0"

□ TYPICAL ROOF CHANNEL TO HSS DETAIL - (HIGH SEISMIC) SCALE 1 1/2"=1'-0"



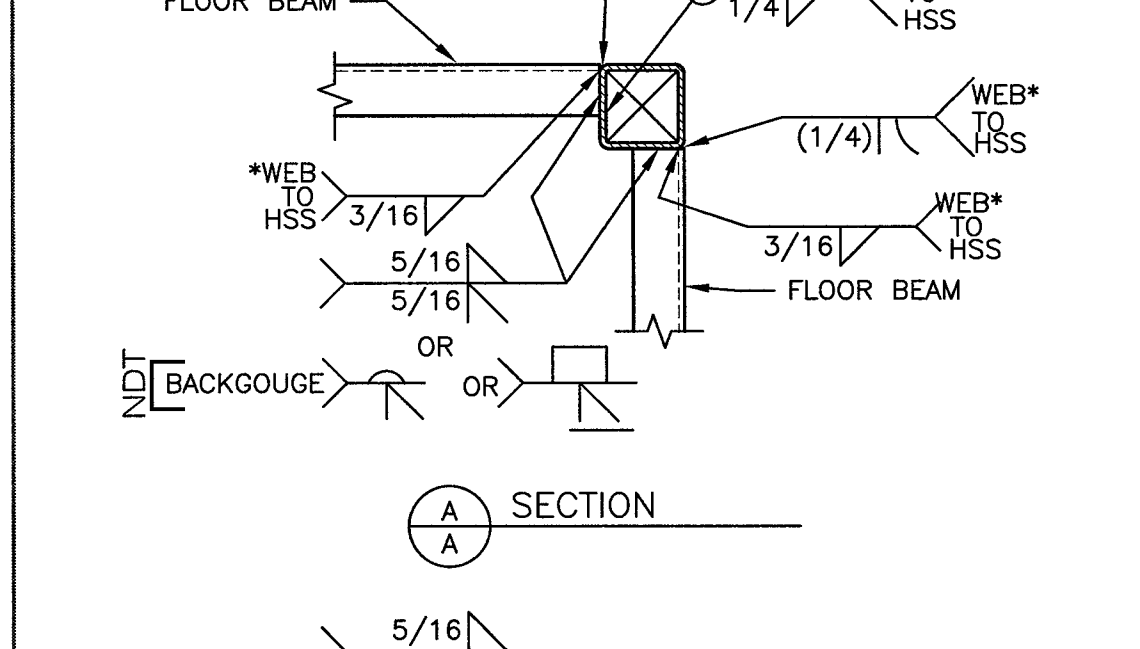
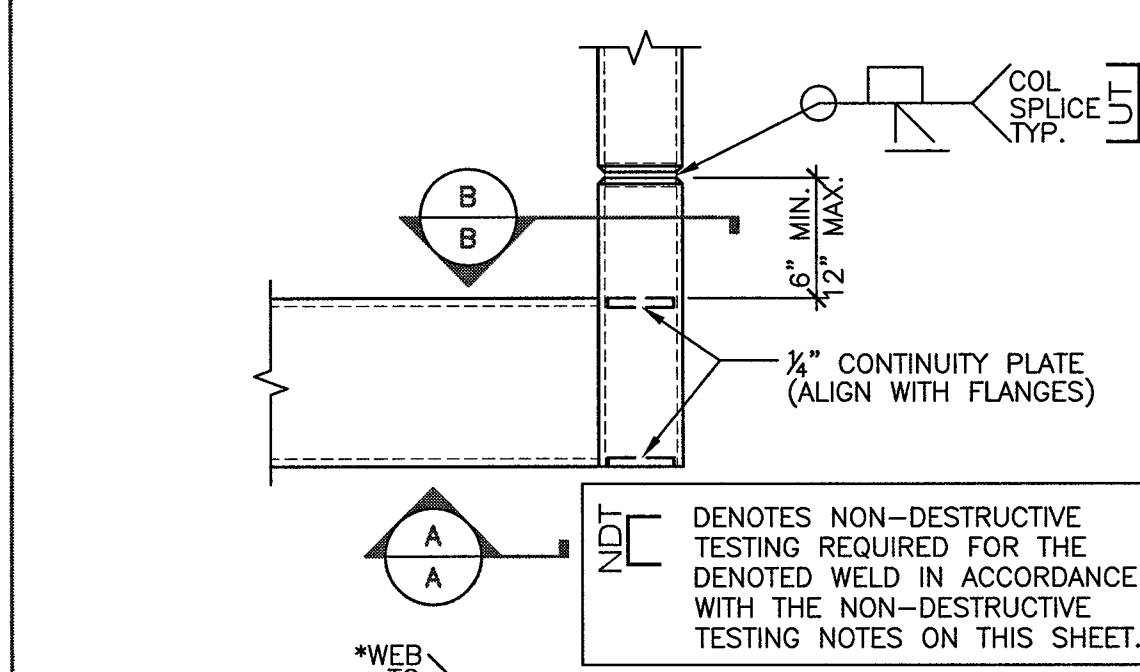
NOTES:
1. LOCATE DIAGONAL BRACE (SEE 1/54.1) AT PURLINS CLOSEST TO EACH SIDE OF BEAM OPENING, TYP.
2. BEAM OPENING(S), LOCATED AT EXTERIOR WALLS W/ STUD WALL BELOW, MAY BE CONSTRUCTED PER DETAIL 4/S5.1.



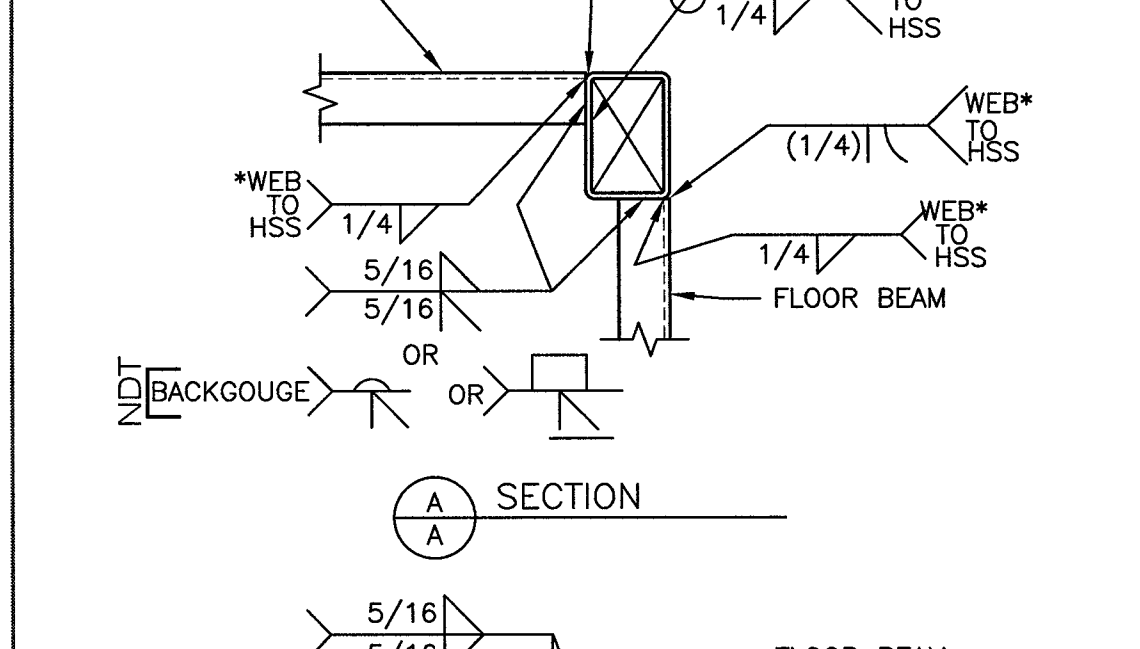
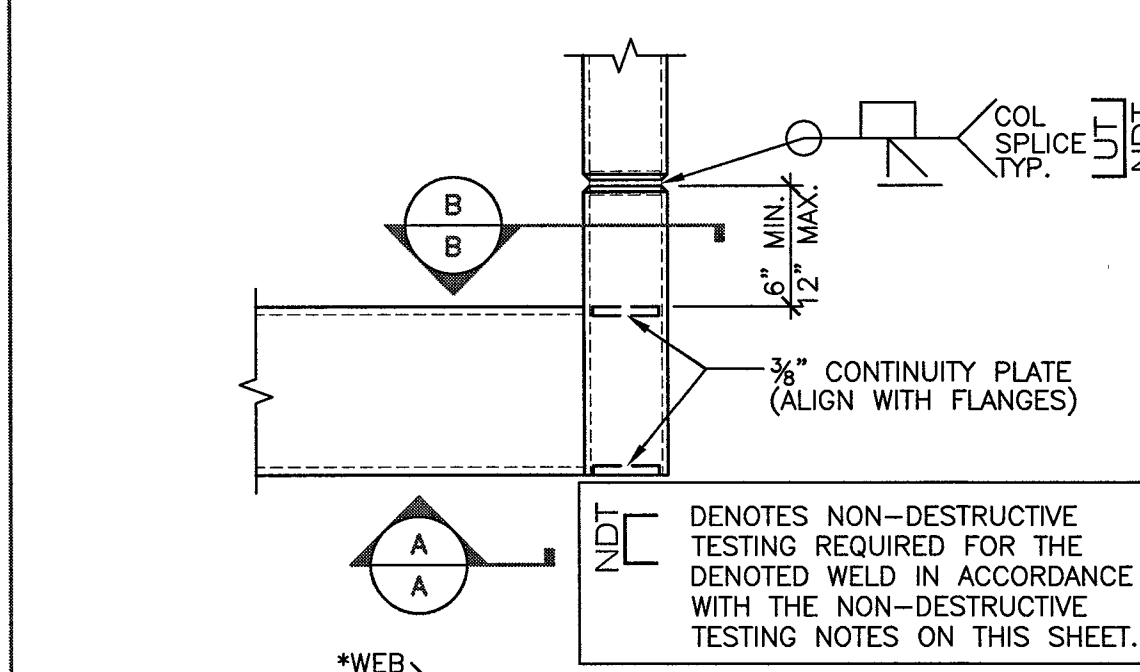
NOTES:
1. LOCATE DIAGONAL BRACE (SEE 1/54.1) AT PURLINS CLOSEST TO EACH SIDE OF BEAM OPENING, TYP.
2. BEAM OPENING(S), LOCATED AT EXTERIOR WALLS W/ STUD WALL BELOW, MAY BE CONSTRUCTED PER DETAIL 4/S5.1.

OPENING @ ROOF BEAMS (LONGITUDINAL BEAMS) SCALE 1 1/2"=1'-0"

OPENING @ ROOF BEAMS (TRANSVERSE BEAMS) SCALE 1 1/2"=1'-0"



* FULL PEN WELD MAY BE USED AS AN ALTERNATIVE TO THE DOUBLE SIDED BEAM WEB-TO-COLUMN WELD SHOWN.



* FULL PEN WELD MAY BE USED AS AN ALTERNATIVE TO THE DOUBLE SIDED BEAM WEB-TO-COLUMN WELD SHOWN.

□ TYP. CORNER TO FLOOR BM DETAIL (LOW SEISMIC) SCALE 1 1/2"=1'-0"

□ ALTERNATE CORNER DETAIL (HIGH SEISMIC) SCALE 1 1/2"=1'-0"

THE WELDING PROCEDURE QUALIFICATION TEST RECORD AND WELDING PROCEDURE SPECIFICATION FOR THIS WELD SHALL BE PREPARED IN ACCORDANCE WITH AWS D1.1-10 & AWS D1.3-08 SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND SUBMITTAL TO THE D.S.A. TYPICAL ALL DETAILS THIS SHEET. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT.-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION.

GENERAL NOTES

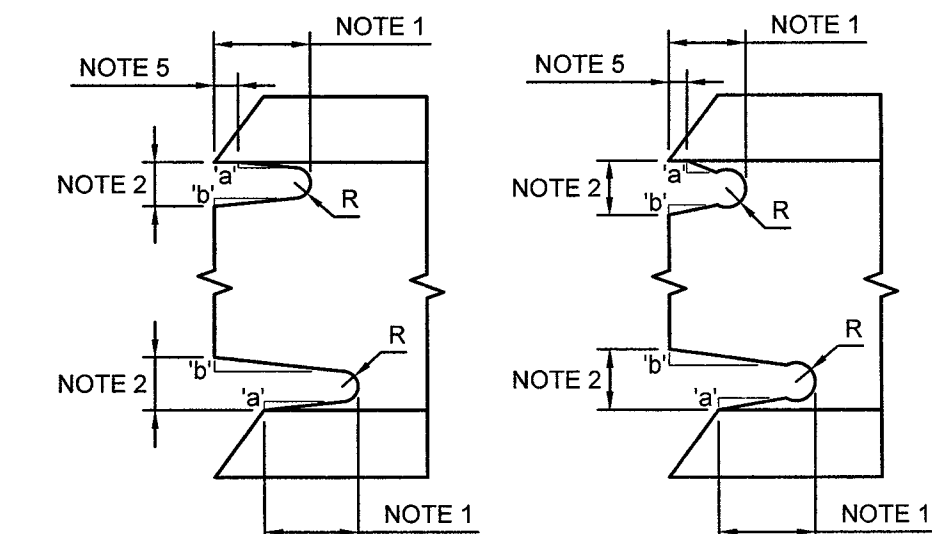
NON-DESTRUCTIVE TESTING OF COMPLETE JOINT PENETRATION GROVE WELDS AT THE MOMENT-RESISTING BEAM-TO-COLUMN CONNECTIONS SHALL COMPLY WITH AISC 341-10 CHAPTER J PER CBC 1705A.2.1.

- WELDS SUBJECT TO THE REQUIREMENTS OF NON-DESTRUCTIVE TESTING ARE NOTED ON THESE DRAWINGS WITH THE SYMBOL:
- ALL WELDS DESIGNATED FOR NON-DESTRUCTIVE TESTING REQUIRE MAGNETIC PARTICLE TESTING (MT) TO BE PERFORMED ON 25% OF THOSE WELDS.
- ULTRASONIC TESTING (UT) IS TO BE PERFORMED ON 100% OF WELDS DENOTED WITH THE SYMBOL:
- ULTRASONIC TESTING (UT) IS ONLY REQUIRED WHERE THE THICKNESS OF THE COLUMN IS 5/16" OR GREATER. UT IS NOT REQUIRED WHERE THE COLUMN THICKNESS IS LESS THAN 5/16". MAGNETIC PARTICLE TESTING (MT) IS STILL REQUIRED.
- ULTRASONIC TESTING (UT) IS NOT REQUIRED ON WELDS FROM STRUCTURAL STEEL CHANNEL BEAM FLANGES TO COLUMNS AS UT TESTING IS NOT APPROPRIATE FOR SECTIONS WITH VARYING DEPTHS. MAGNETIC PARTICLE TESTING (MT) IS STILL REQUIRED.

NON-DESTRUCTIVE TESTING NOTES

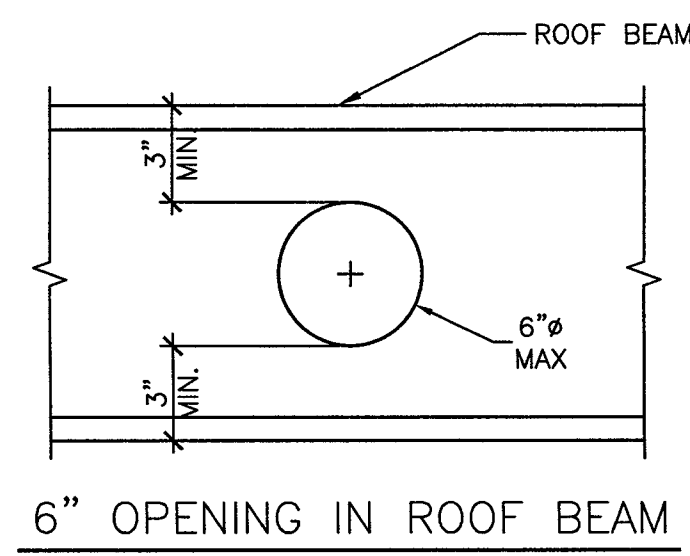
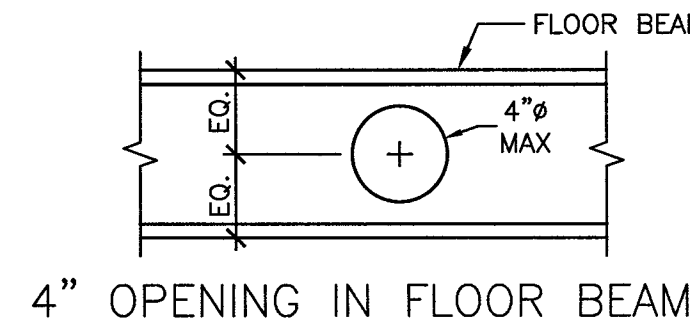
- FILLER METALS SHALL CONFORM TO THE REQUIREMENTS OF THE AISC SEISMIC PROVISIONS.
- WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH THE AISC SEISMIC PROVISIONS.
- QUALITY CONTROL AND QUALITY ASSURANCE SHALL BE IN ACCORDANCE WITH THE AISC SEISMIC PROVISIONS.
- WELD ACCESS HOLES SHALL BE IN ACCORDANCE WITH AISC 360-10, SECTION J1.6, AND SHALL BE CONSTRUCTED PER THE FOLLOWING DETAILS & NOTES.

WELD ACCESS HOLE GEOMETRY



- NOTES: THESE ARE TYPICAL DETAILS FOR JOINTS WELDED FROM ONE SIDE AGAINST STEEL BACKING WHERE WELD ACCESS HOLES ARE REQUIRED.
- LENGTH: GREATER OF 1.5tw OR 1-1/2 IN. (38 MM)
 - HEIGHT: GREATER OF 1.0tw OR 3/4 IN. (19 MM) BUT NEED NOT EXCEED 2 IN. (50 MM)
 - R: 3/8 IN. MIN. (10 MM). GRIND THE THERMALLY CUT SURFACES OF WELD ACCESS HOLES IN HEAVY SHAPES AS DEFINED IN SECTIONS A3.1(c) AND (d) OF AISC 360-10.
 - SLOPE 'a' FORMS A TRANSITION FROM THE WEB TO THE FLANGE. SLOPE 'b' MAY BE HORIZONTAL.
 - THE BOTTOM OF THE TOP FLANGE IS TO BE CONTOURED TO PERMIT THE TIGHT FIT OF BACKING BARS WHERE THEY ARE TO BE USED.

REQ. FOR FR. MOMENT CONNECTIONS



OPENING IN BEAMS SCALE 1 1/2"=1'-0"

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DATE: 08/11/2021

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PRE-CHECKED SET NAME

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

SITE SPECIFIC PROJECT NAME

SHEET TITLE

MOMENT FRAME
CONNECTION DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENCED ARCHITECT
PATRICK CONNOR
No C12631
Exp 8-31-18
STATE OF CALIFORNIA

LICENCED PROFESSIONAL ENGINEER
MANUEL D. PACHECO
No S3380
Exp 8-20-18
STRUCTURAL
STATE OF CALIFORNIA
RST18175

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02-XXXXX - [6: 4x2] BUILDINGS - SAVED: 8/17/2018 3:58 AM - RUSTEN: 8/17/2018 8:12 AM - W:\Customer\PC\02-115700 - 2018 - 24'x40'-120'x40' Standard S5 - 02 - 115700 - S5.1 - Moment Frame Connection Detail.dwg

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APP: 03-121484 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/11/2021

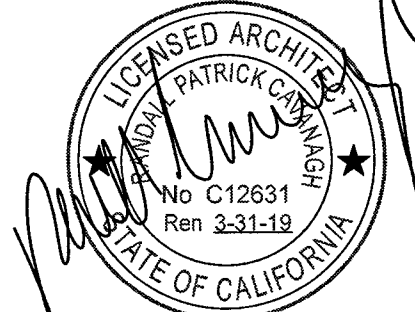
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24'x40' THRU 120'x40'
STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE
TYPICAL LONGITUDINAL
AND TRANSVERSE
FRAME SECTIONS

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

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-115700
AC ☒ FLS ☒ S3 ☒
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 | |

S6.0

- 1

"Z" PURLINS @ 48" O.C. PER ROOF FRAMING PLAN
- 1A

STEEL "Z" FLOOR JOISTS PER FLOOR FRAMING PLAN
- 2

R-19 INSULATION w/ 22 GA WIRE @ 16" O.C.
- 3

INSULATION w/ KRAFT PAPER
- 4

WALL STUDS PER SHEETS S8.0 & S9.0.
- 5

VINYL FABRIC OVER TACKABLE BRACING PANELS.
- 6

INSULATION w/ KRAFT PAPER AND CHICKEN WIRE.
- 7

PLYWOOD OR CONCRETE FLOOR PER SHEETS S3.0, S3.1, S3.2, & S3.3.
- 8

SUSPENDED T-BAR CEILING PER M1.0
- 8A

NOT USED
- 9

FINISHED ROOFING PER ROOF PLAN & ROOF FRAMING PLAN
- 10

TYPICAL SHEATHING NAILING .131x2 1/4" GALV. @ 6" O.C. PANEL EDGES (ALL EDGES BLOCKED) .131x2 1/4" GALV. @ 12" O.C. FIELD.
- 11

EXTERIOR WALL FINISH PER EXTERIOR ELEVATIONS.
- 12

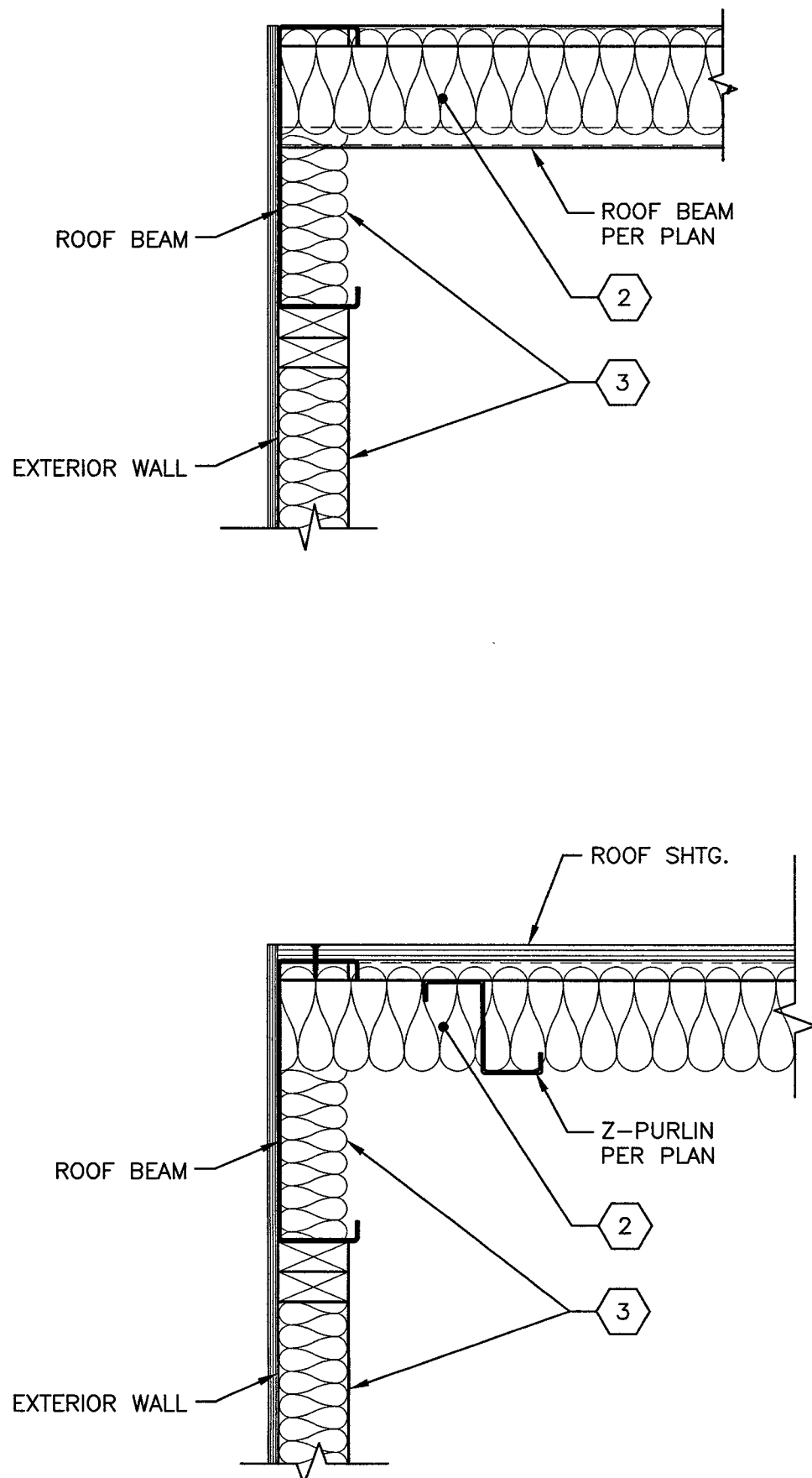
ALTERNATE DUAL PITCH.

KEY NOTES

| BUILDING SIZE SCHEDULE | | | |
|---|--------------------------------|---------------------------|------------------|
| BUILDING SIZE (FT) | TOTAL # OF 12'-0" WIDE MODULES | TOTAL # OF CENTER MODULES | TOTAL FNDN WIDTH |
| <input checked="" type="checkbox"/> 24'x40' | 2 | 0 | 23'-8 1/2" |
| <input type="checkbox"/> 36'x40' | 3 | 1 | 35'-6 1/2" |
| <input type="checkbox"/> 48'x40' | 4 | 2 | 47'-5" |
| <input type="checkbox"/> 60'x40' | 5 | 3 | 59'-3 1/4" |
| <input type="checkbox"/> 72'x40' | 6 | 4 | 71'-1 1/2" |
| <input type="checkbox"/> 84'x40' | 7 | 5 | 82'-11 1/4" |
| <input type="checkbox"/> 96'x40' | 8 | 6 | 94'-10" |
| <input type="checkbox"/> 108'x40' | 9 | 7 | 106'-8 1/4" |
| <input type="checkbox"/> 120'x40' | 10 | 8 | 118'-6 1/2" |

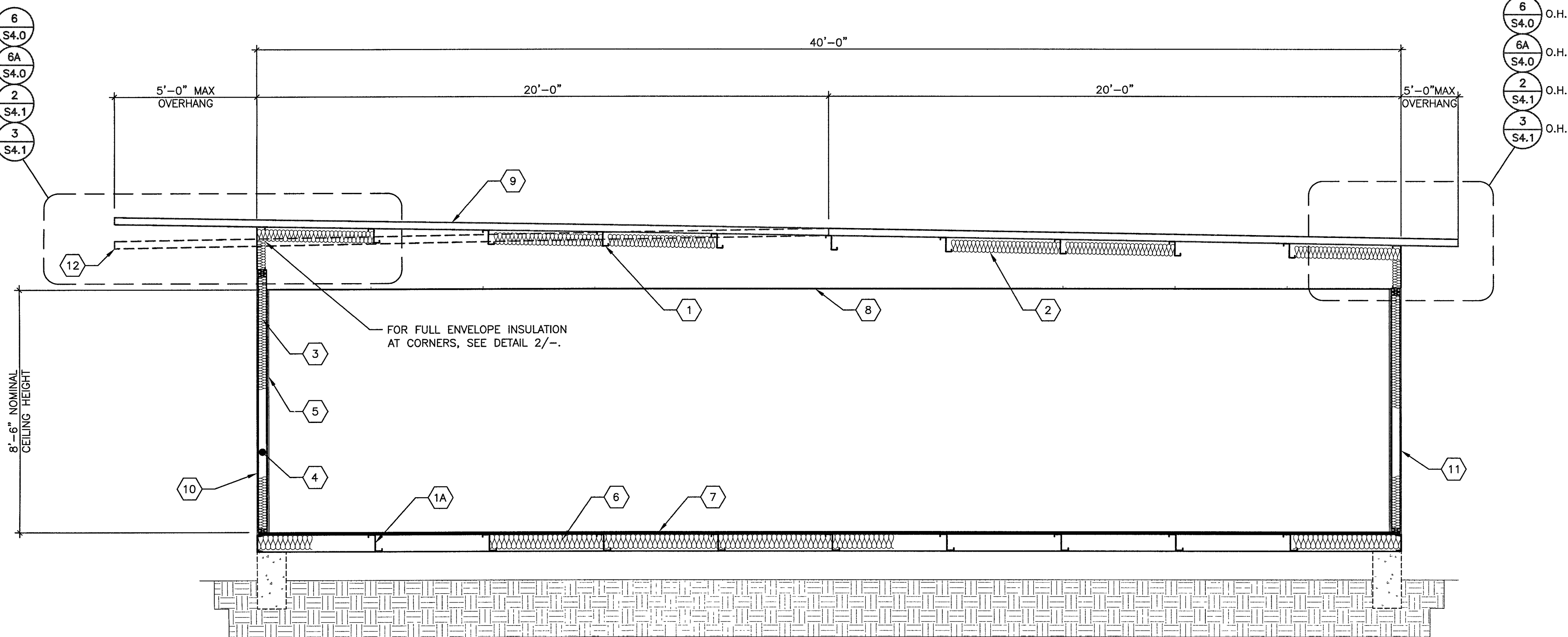
- NOTES:
- TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.0, S1.1, S1.2 & S1.3

BUILDING SIZE SCHEDULE



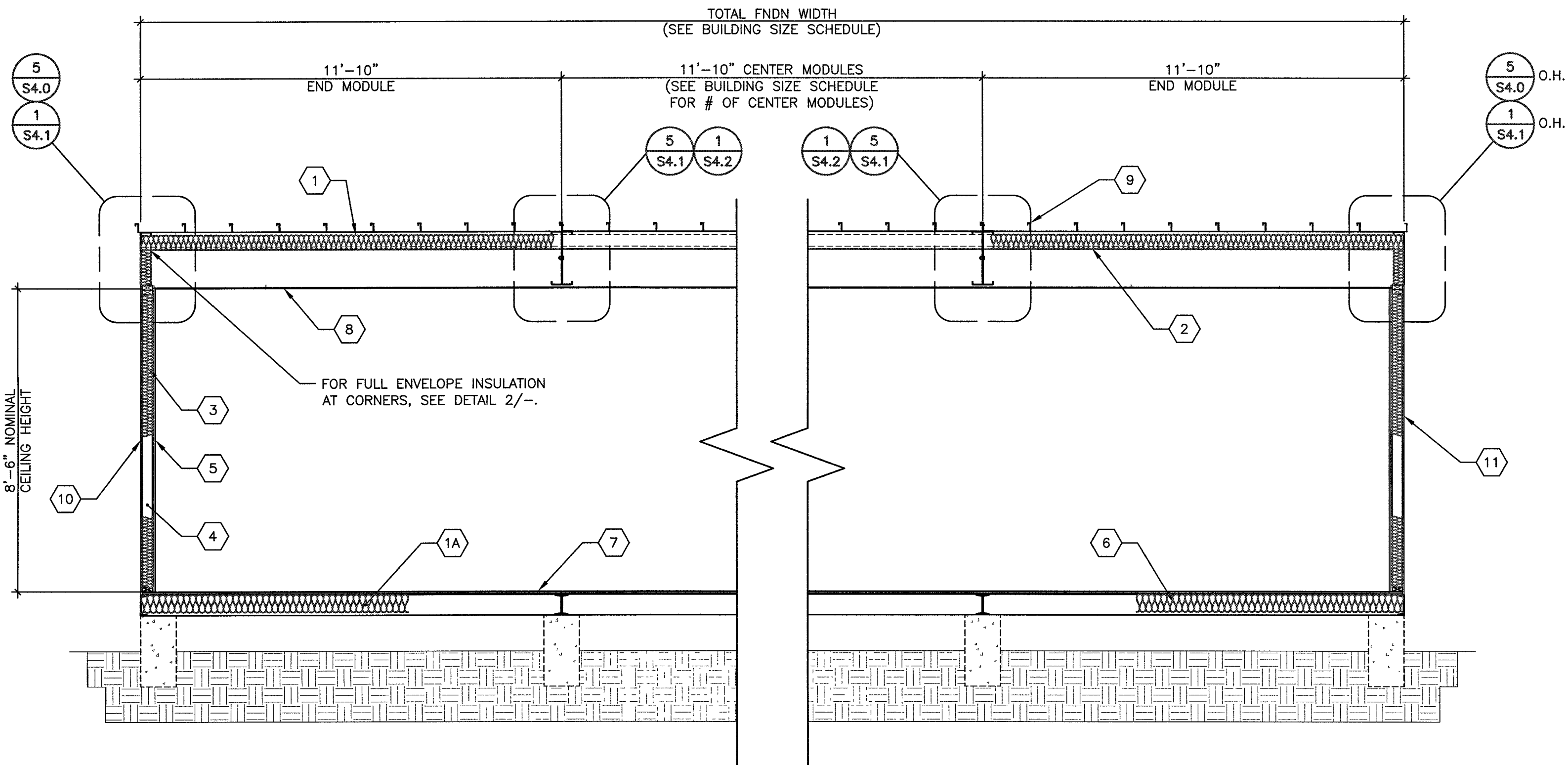
TYP. LONGITUDINAL SECTION-MONO/DUAL PITCH

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



TYP. TRANSVERSE SECTION-MONO/DUAL PITCH

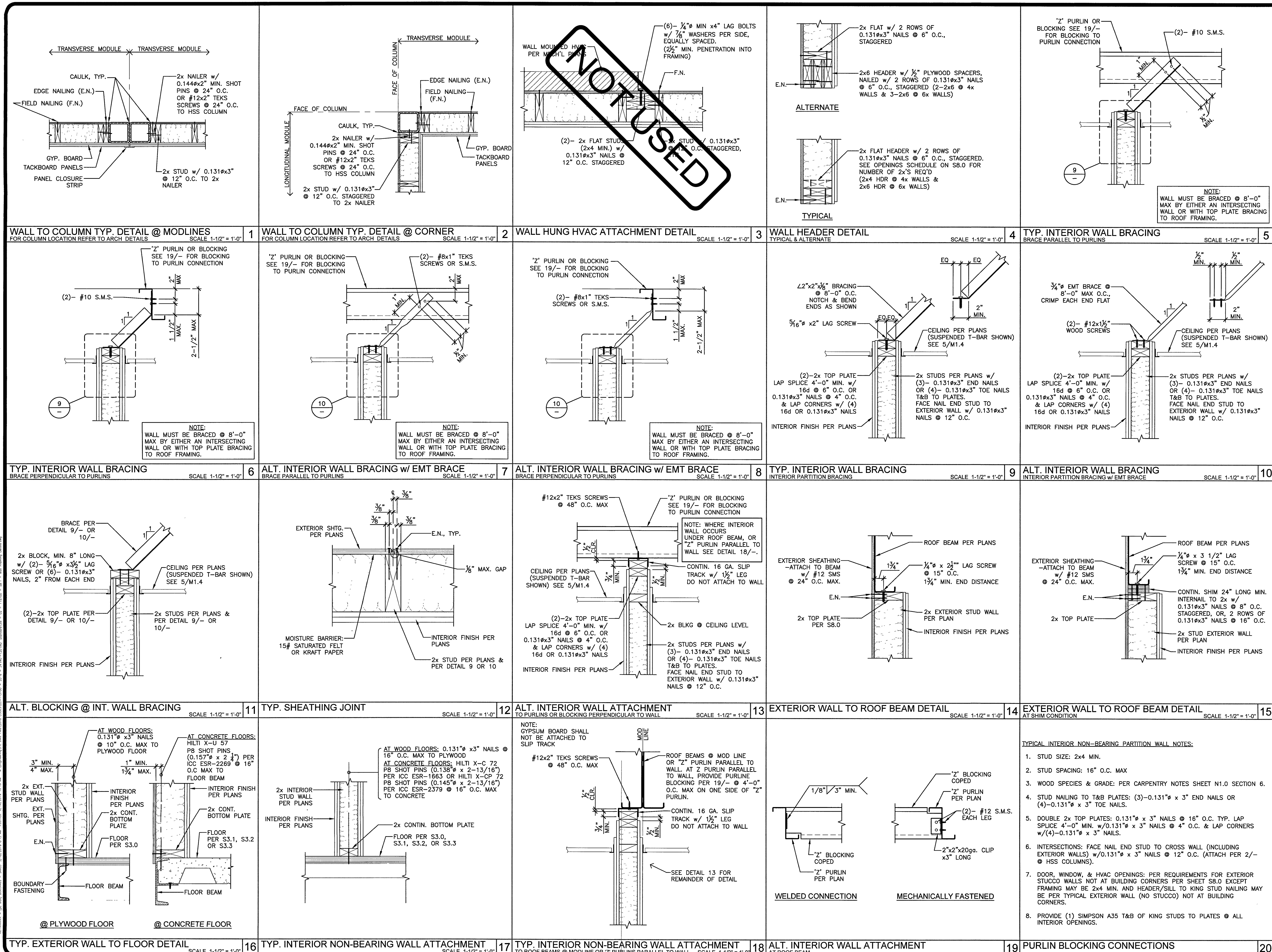
SCALE: 3/8"=1'-0"



INSULATION CORNER DET.

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

2



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DATE: 08/11/2021

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PRE-CHECKED SET NAME

24x40' THRU 120x40'
STANDARD MODULAR
BUILDINGS

SITE SPECIFIC PROJECT NAME

SHEET TITLE

WALL FRAMING
DETAILS
- WOOD STUDS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

REGISTERED ARCHITECT
PATRICK C. KIM
No. C12631
Exp. 3-31-19

REGISTERED PROFESSIONAL
MANUEL D. FRIEDMAN
No. S3380
Exp. 01-08-19

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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

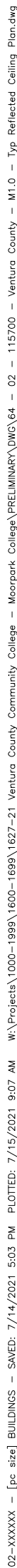
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
REV
PC 02-115700
AC ☒ FLS ☒ SS ☒
DATE: 6-21-2019

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

REVISIONS
GENERAL REVISIONS - 01/02/19

DRAWN BY:
SCALE: AS NOTED
DATE:
SHEET NUMBER

S8.1



- MEP COMPONENT ANCHORAGE NOTES

02-XXXXL - [E-10] BUILDINGS - SHEET: 7/15/2021 8:45 AM PLOTTED: 7/15/2021 8:45 AM W:\projects\1200-1989\1000-1689\1002-01 Ventura County Community College - Moorpark College\BELL\BELL\DWG\02-01 - 08 - 115700 - Ventura County - M1.1 - Typical Mechanical Plan Options.dwg

IDENTIFICATION STAMP
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APP: 03-121484 INC:
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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

TYPICAL MECHANICAL PLAN
OPTIONS

MANUFACTURER PROFESSIONAL OF RECORD ON PC



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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

BASED ON PC02-115700

REVISIONS

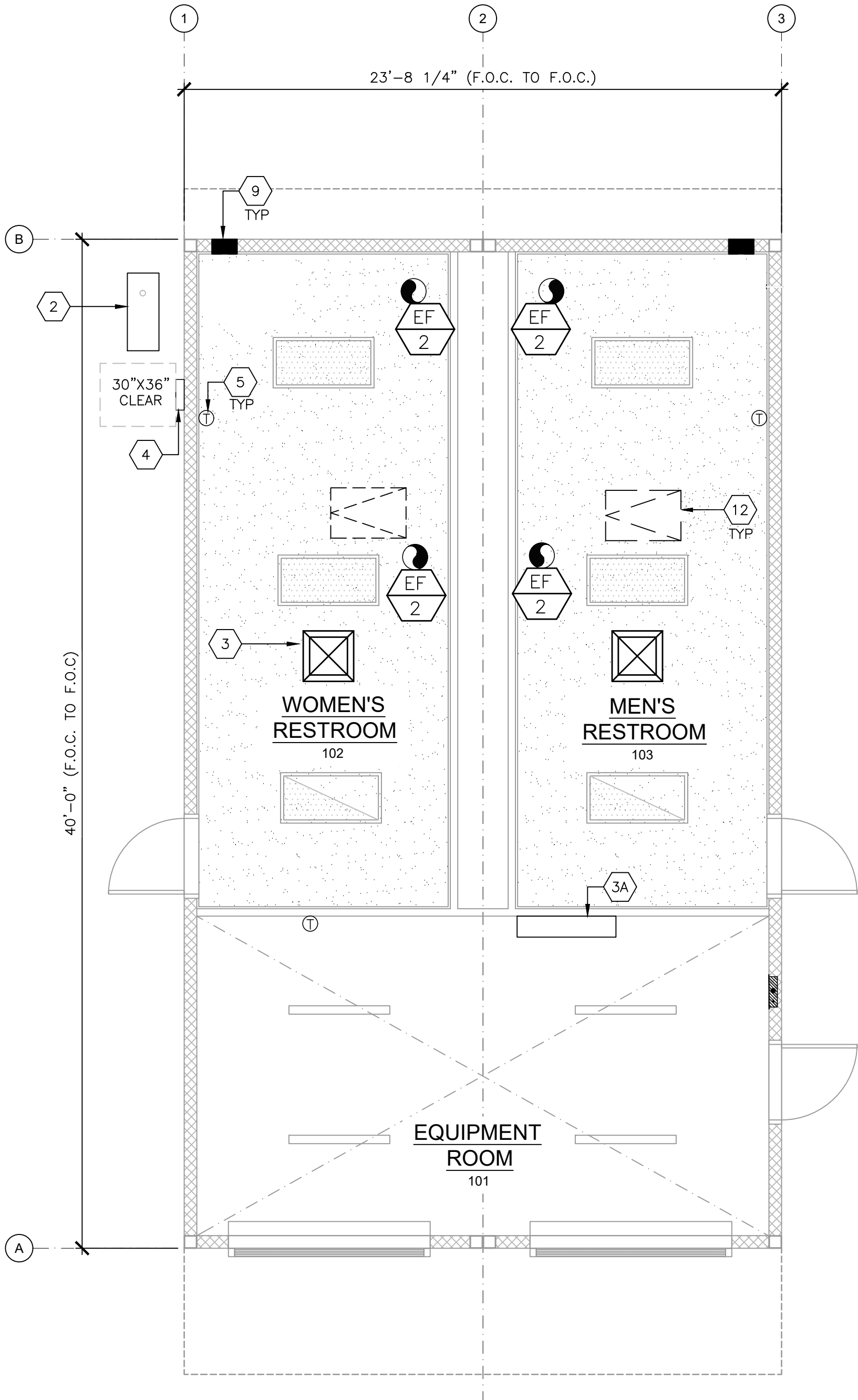
DRAWN BY: AA/KA

SCALE: AS NOTED

DATE: 07/15/21

SHEET NUMBER

M1.1



SPLIT SYSTEM OPTION

| MARK | DESCRIPTION | CFM | WATTS | S.P. | VOLT/PH | |
|------|-------------|-----|-------|-------|---------|--|
| EF 1 | EXHAUST FAN | 110 | 47.3 | .10" | 120-1Ø | NUTONE AN110 CEILING MOUNTED 180W INPUT 10 LBS (OR EQUAL) |
| EF 2 | EXHAUST FAN | 210 | 127 | .125" | 120-1Ø | BROAN L200 CEILING MOUNTED 180W INPUT 23 LBS (OR EQUAL) |
| EF 3 | EXHAUST FAN | 308 | 212 | .125" | 120-1Ø | BROAN L300 CEILING MOUNTED 180W INPUT 23 LBS (OR EQUAL) |

- VENT EXHAUST FAN THROUGH ROOF.
- FANS MUST WEIGH LESS THAN 75 LBS.
- LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID LAYOUT.

- WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
- AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN THE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF.
- AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE A DIRECT EXIT TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. (PER C.M.C. 608.1 EXCEPTION #2.)
- LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
- FOR T-BAR CEILING SPECIFICATIONS, SEE M1.7.

- NOT USED
- EXTERIOR UNIT - CONDENSER
- INDOOR UNIT - CEILING CASSETTE TYPE
- INDOOR UNIT - WALL TYPE. PROVIDE SHEET OF PLYWOOD AT LOCATION OF WALL UNIT FOR MOUNTING
- ELECTRICAL DISCONNECT - SEE E1.0, MAINTAIN MINIMUM 30"x36" CLEARANCE
- THERMOSTAT - 48" A.F.F. MAX TO STOP OF BOX
- NOT USED
- NOT USED
- NOT USED
- 12"x12" THRU WALL BAROMETRIC INTAKE
- NOT USED
- NOT USED
- 2'X3' CEILING ACCESS PANEL - SEE DETAIL 6B/M1.5

NOTES:

- TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEET S1.1
- REFER TO SHEET M1.7 FOR TYPICAL NOTES AND CALL OUTS.

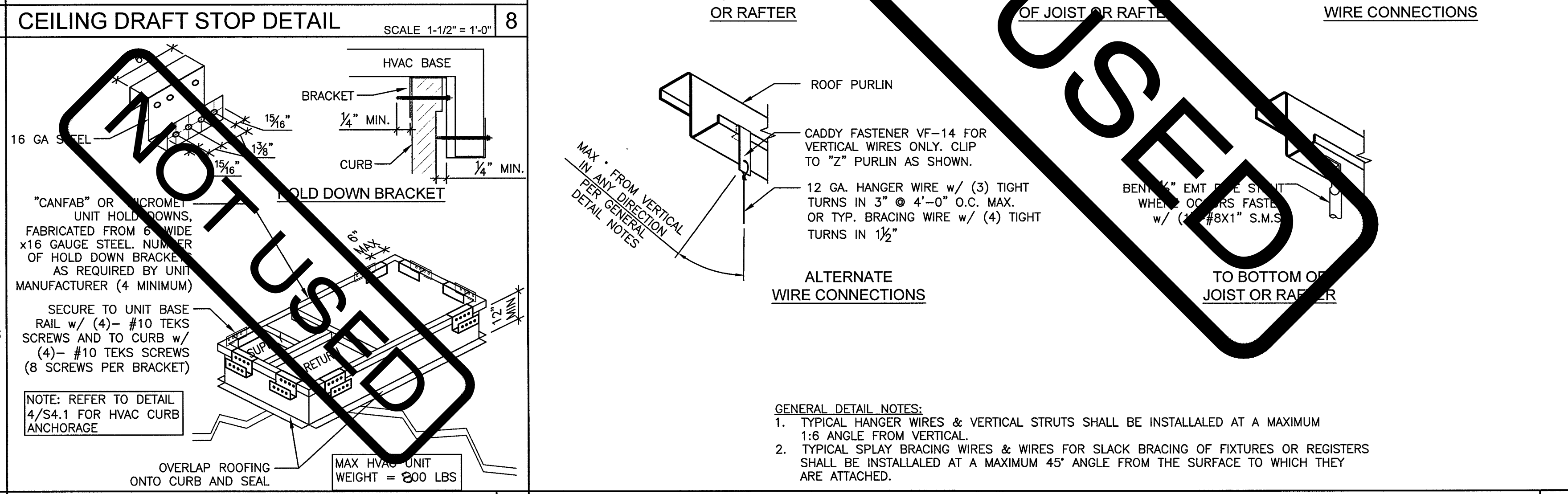
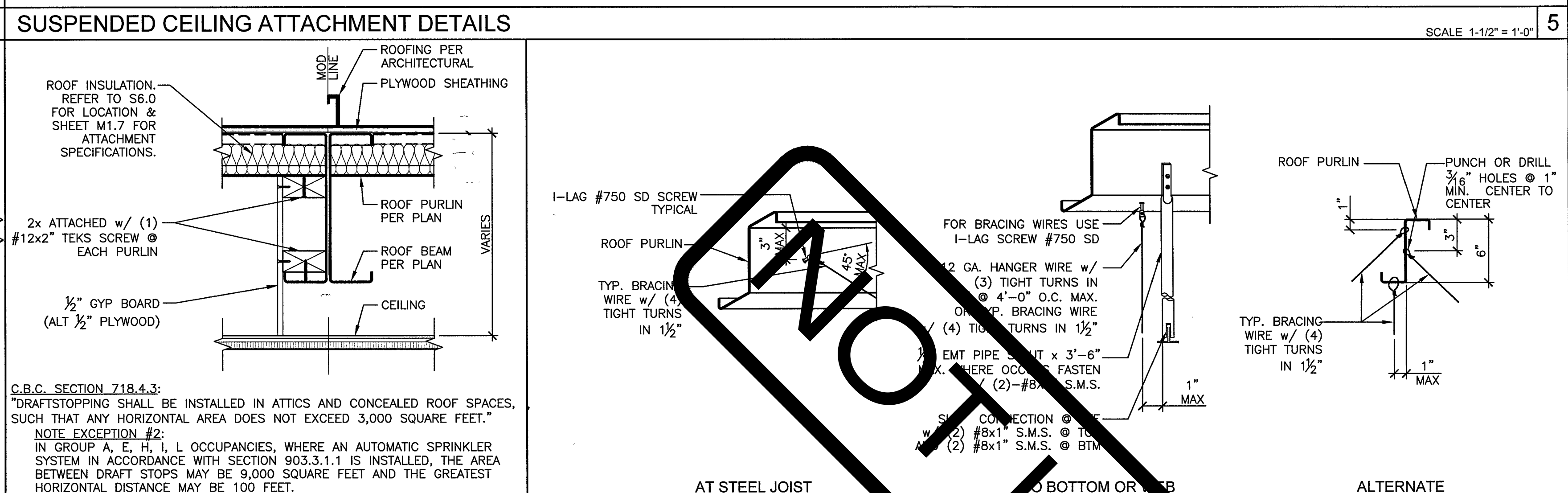
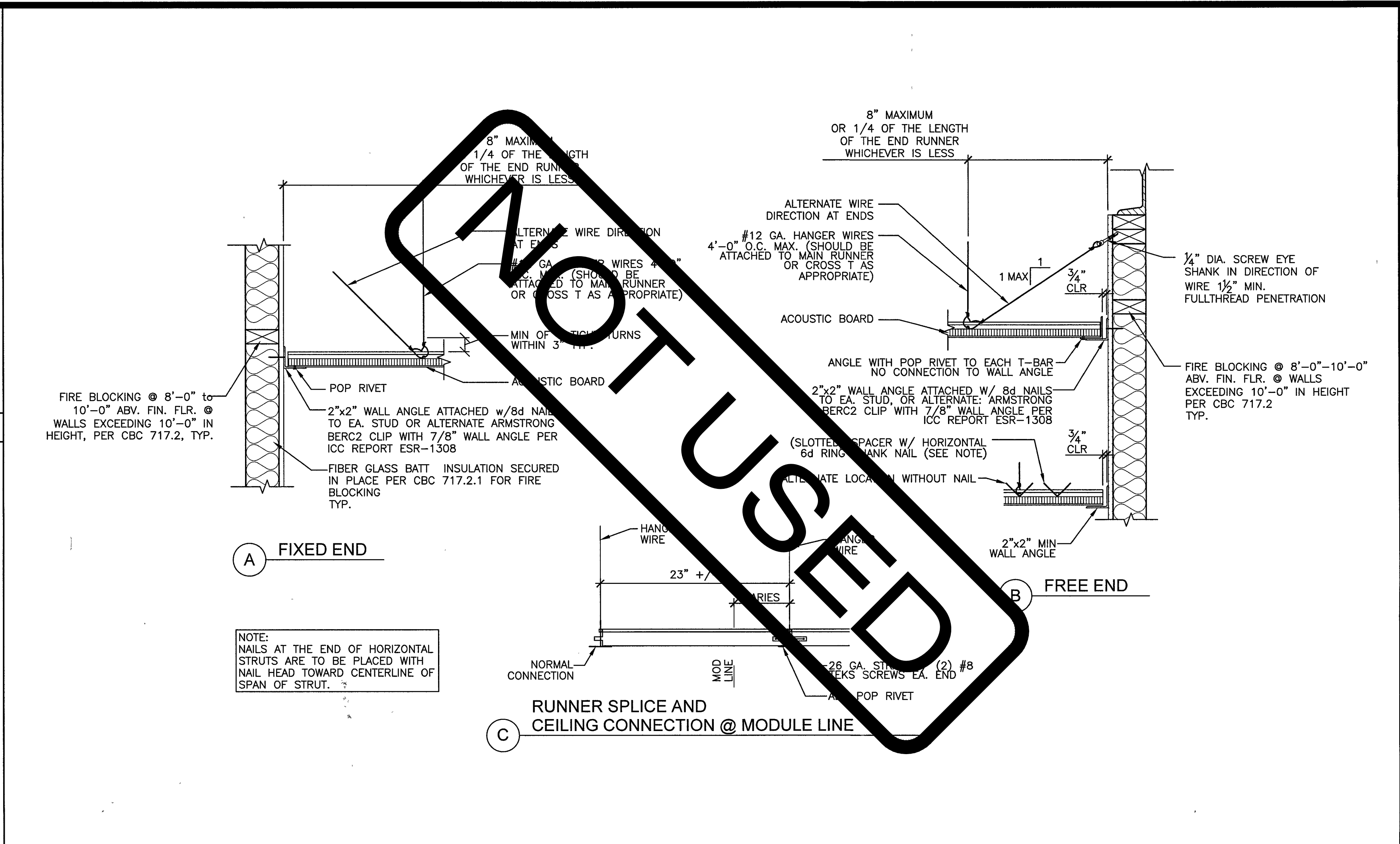
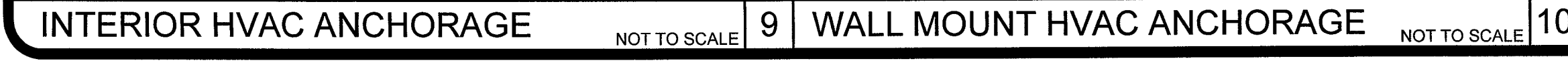
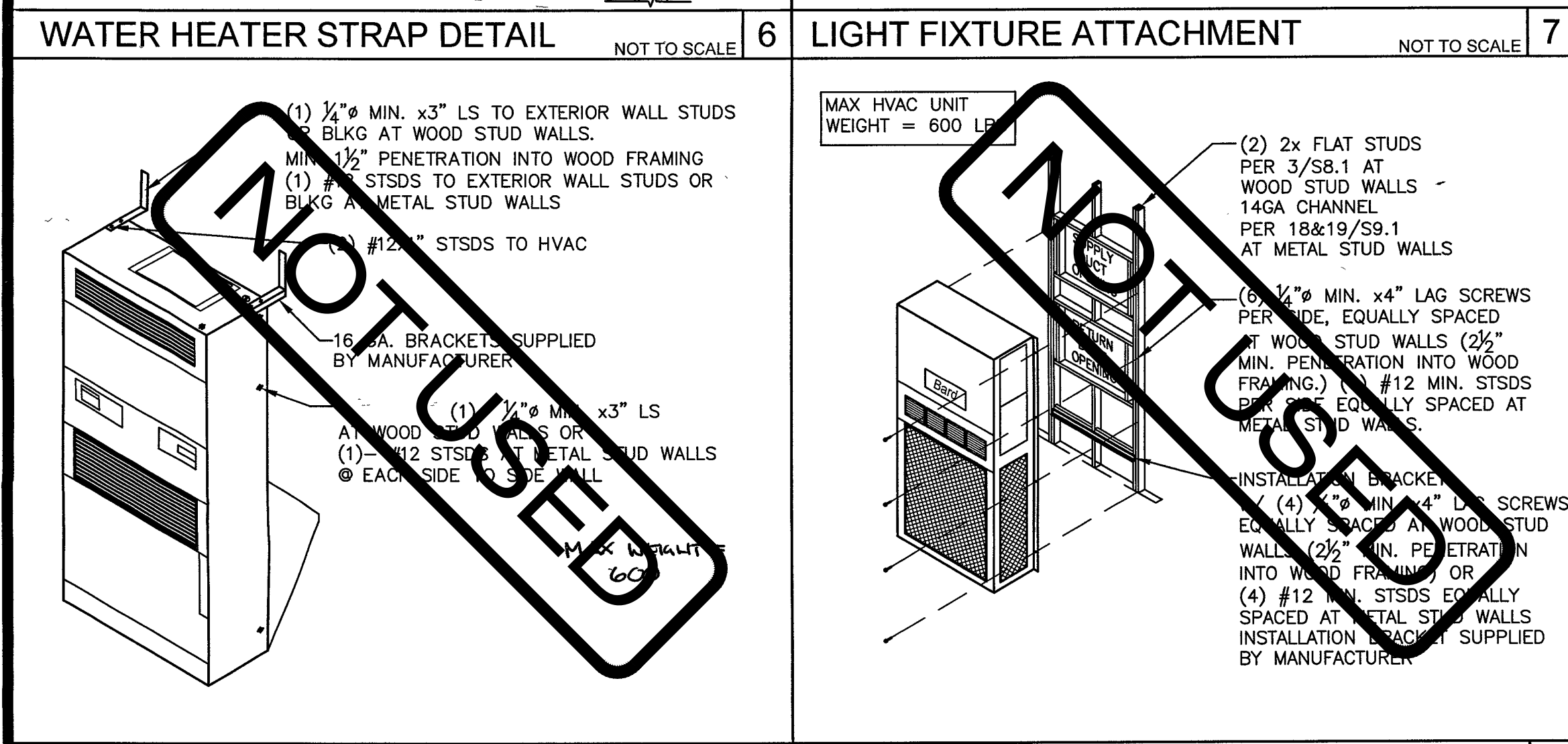
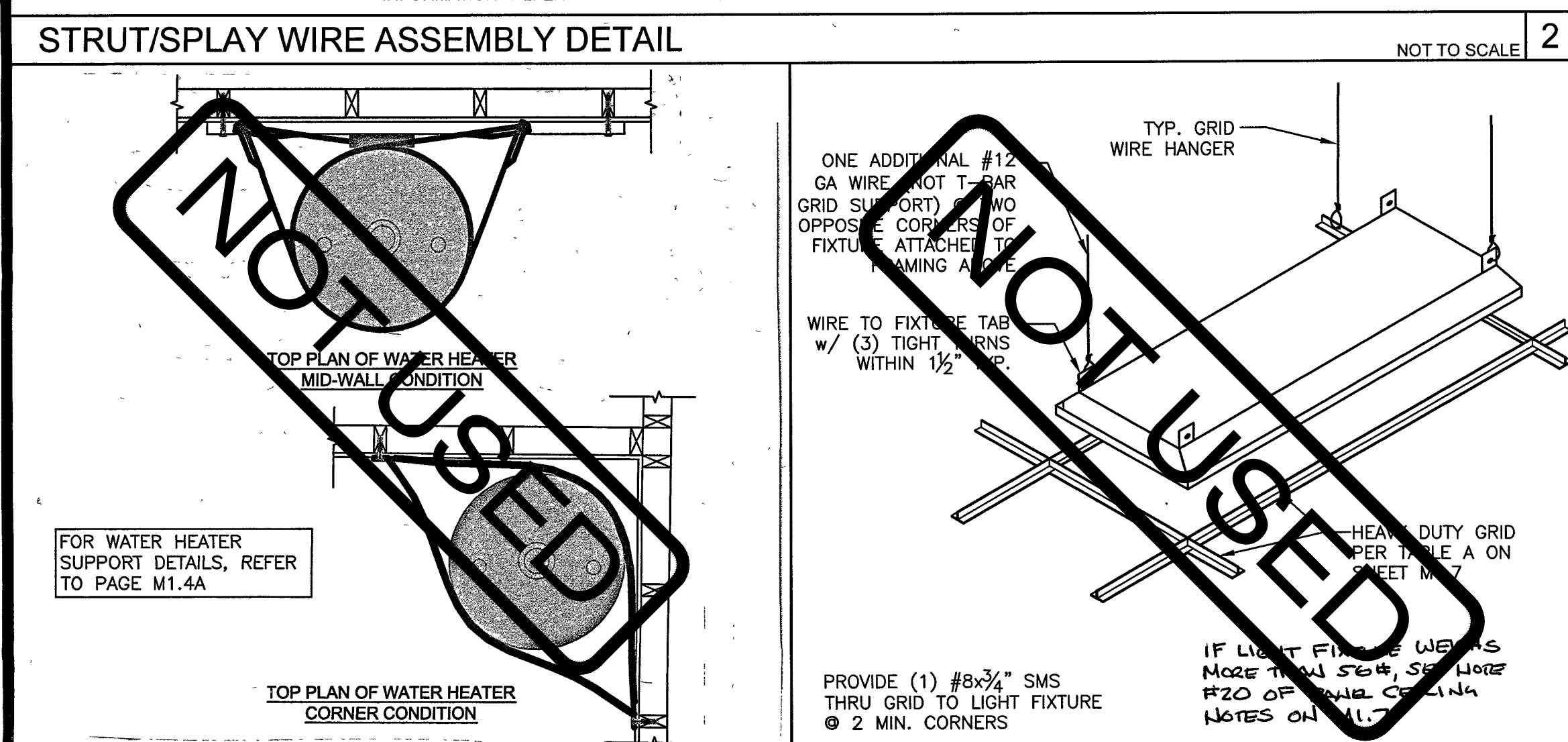
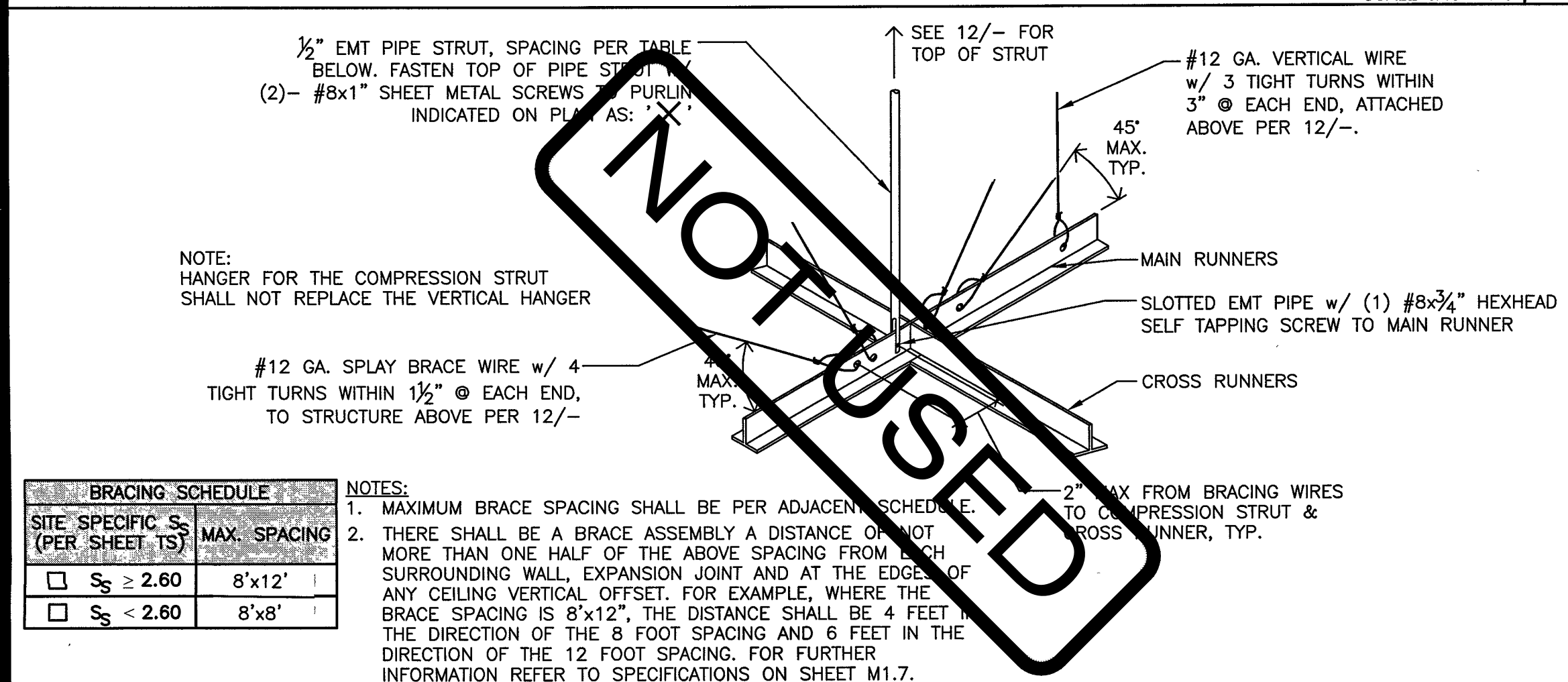
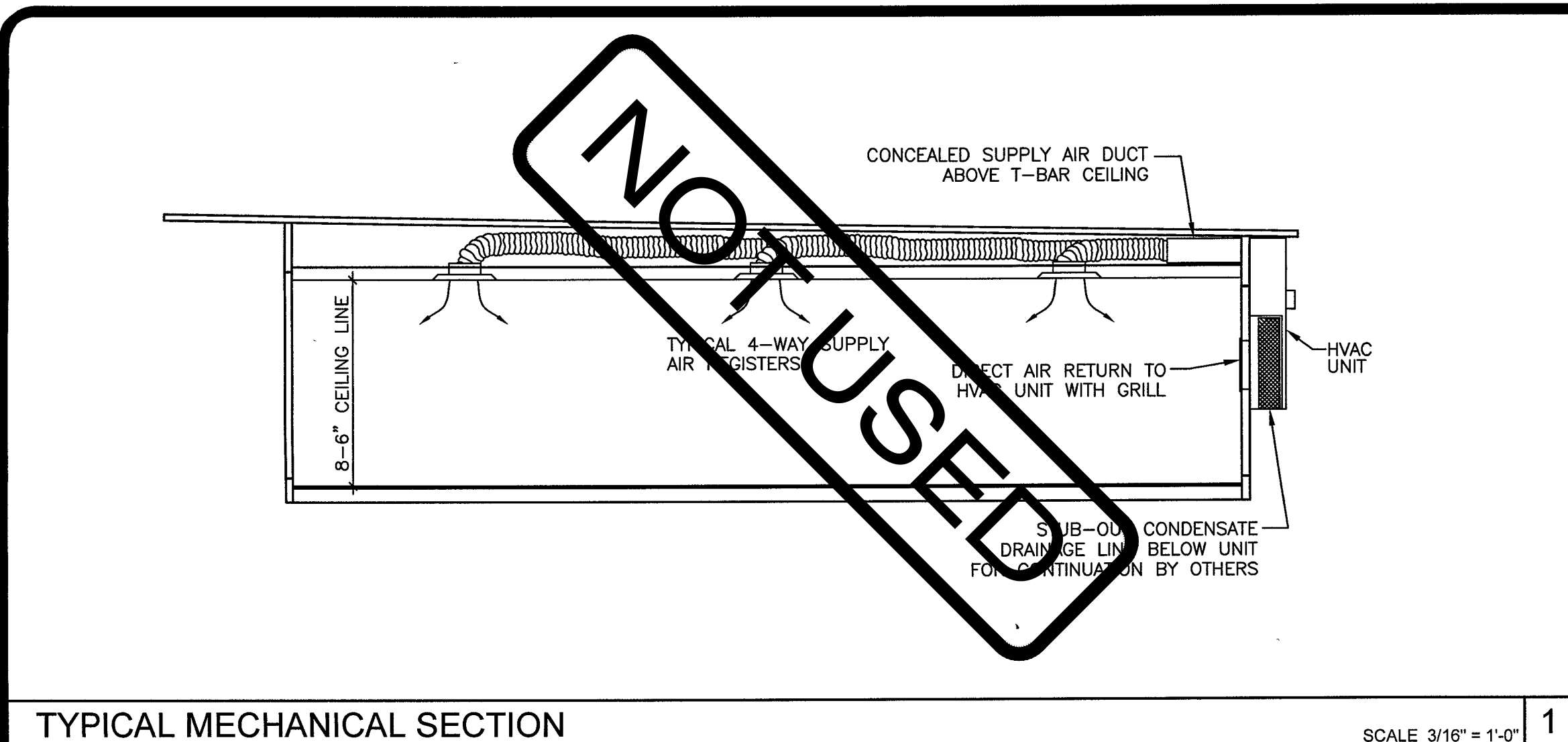
| BUILDING SIZE (FT) | TOTAL # OF 12' WIDE MODULES | TOTAL # OF CENTER MODULES | OVERALL SIZE ¹ |
|---|-----------------------------|---------------------------|---------------------------|
| <input checked="" type="checkbox"/> 24'x40' | 2 | 0 | 23'-8 1/4" |
| <input type="checkbox"/> 36'x40' | 3 | 1 | 35'-6 1/2" |
| <input type="checkbox"/> 48'x40' | 4 | 2 | 47'-4 3/4" |
| <input type="checkbox"/> 60'x40' | 5 | 3 | 59'-3" |
| <input type="checkbox"/> 72'x40' | 6 | 4 | 71'-1 1/4" |
| <input type="checkbox"/> 84'x40' | 7 | 5 | 82'-1 1/2" |
| <input type="checkbox"/> 96'x40' | 8 | 6 | 94'-9 3/4" |
| <input type="checkbox"/> 108'x40' | 9 | 7 | 106'-8" |
| <input type="checkbox"/> 120'x40' | 10 | 8 | 118'-6 1/4" |

BUILDING SIZE SCHEDULE

EXHAUST FAN SCHEDULE

SHEET NOTES

KEY NOTES



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

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PRE-CHECKED SET NAME

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

SITE SPECIFIC PROJECT NAME

SHEET TITLE

MECHANICAL AND CEILING DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

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PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 PC 02-115700
 AC: FLS: SST: JST:
 DATE: 8-31-2018

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

REVISIONS

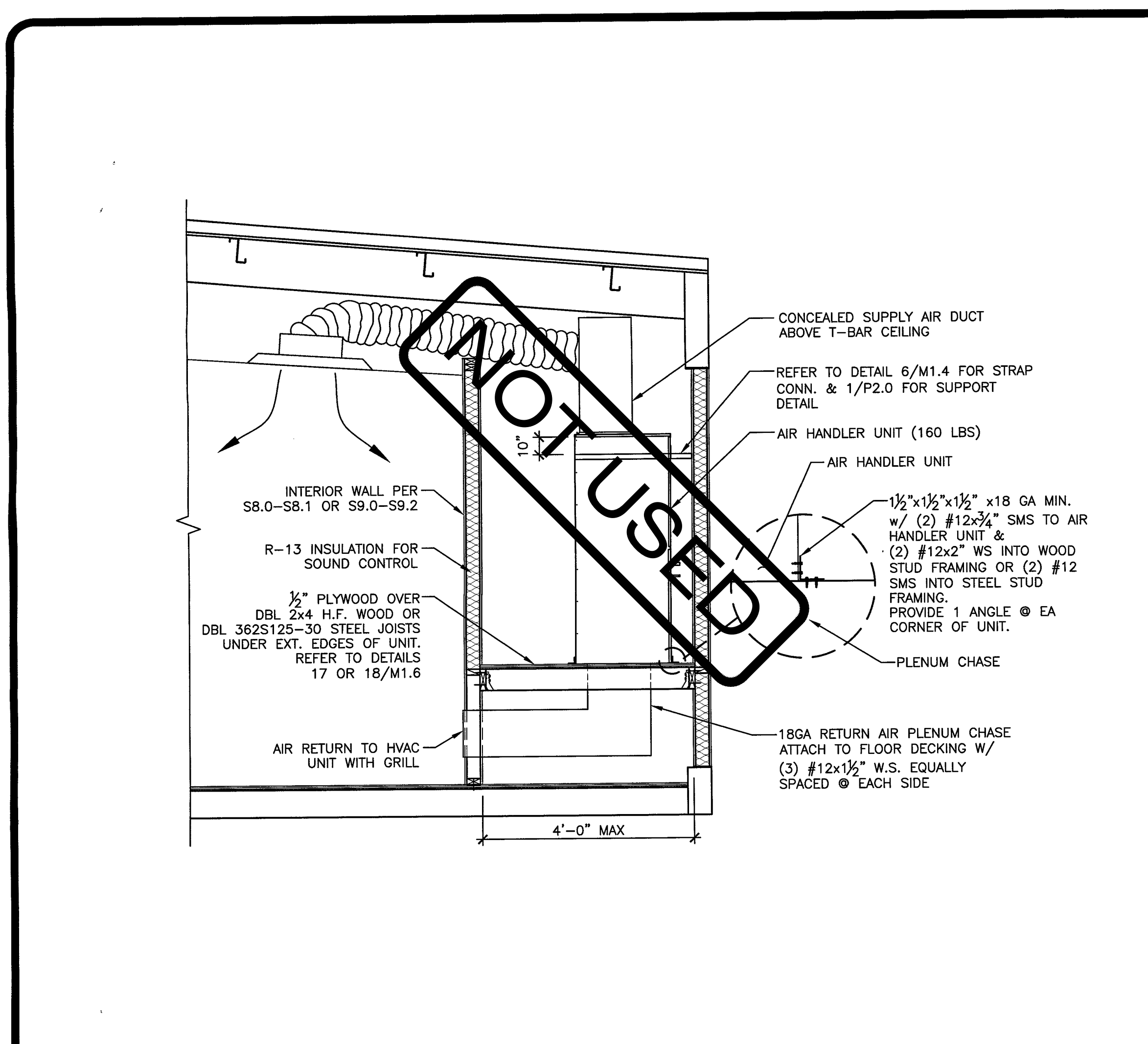
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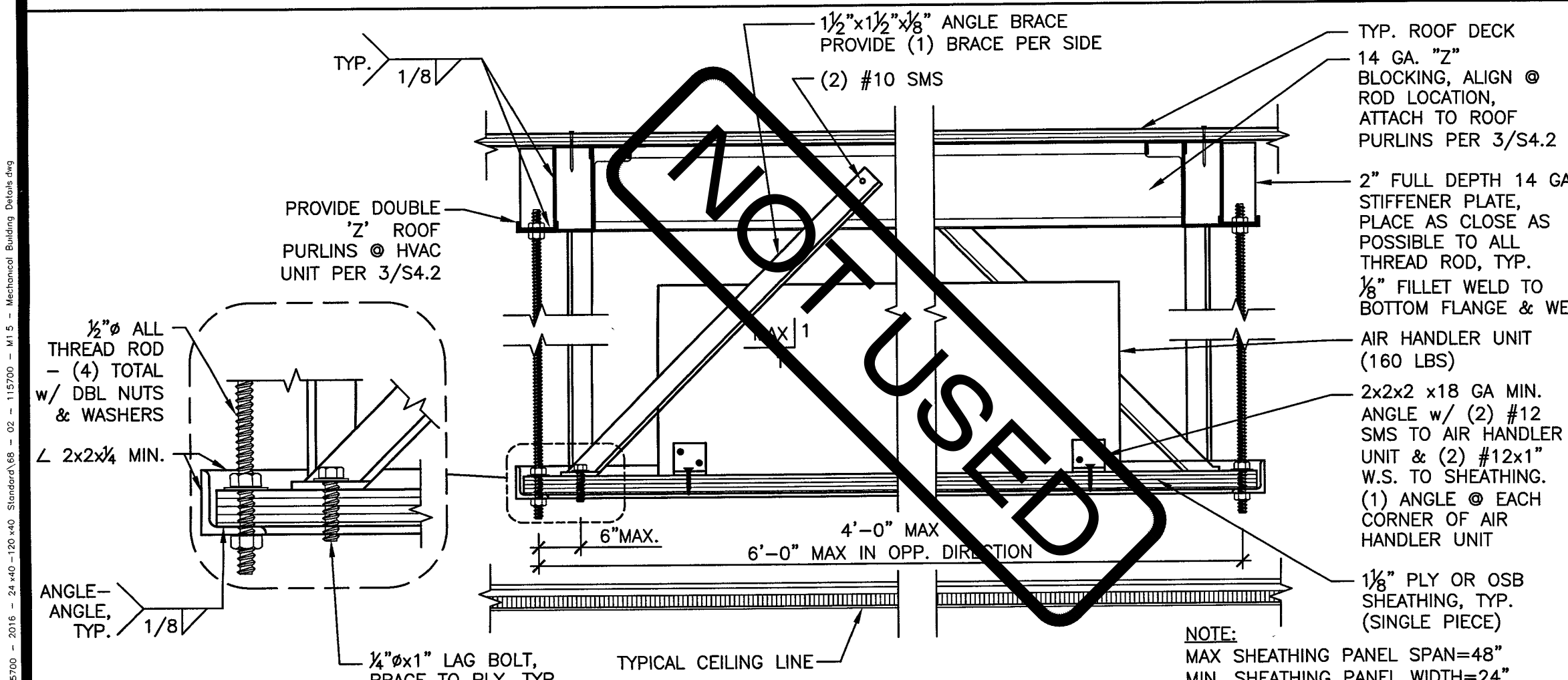
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SHEET NUMBER

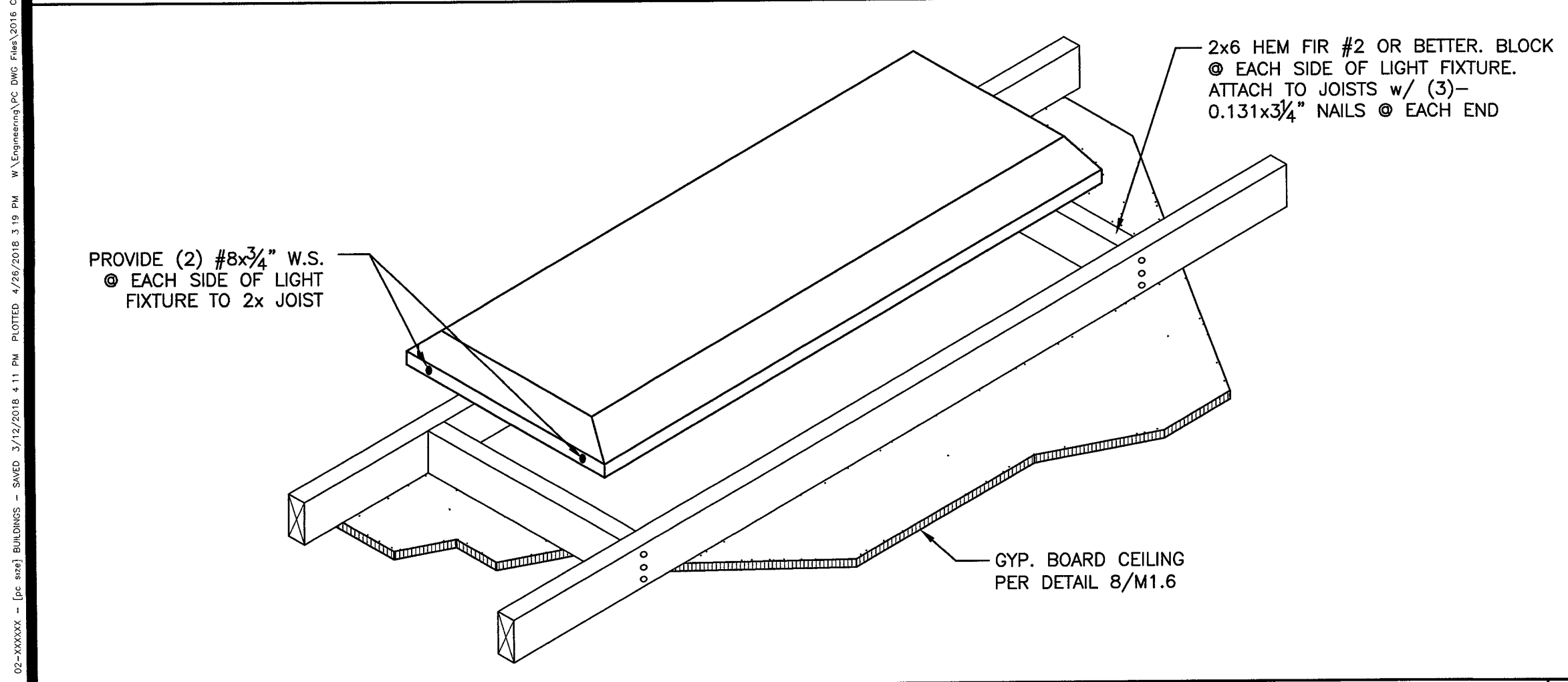
M1.4



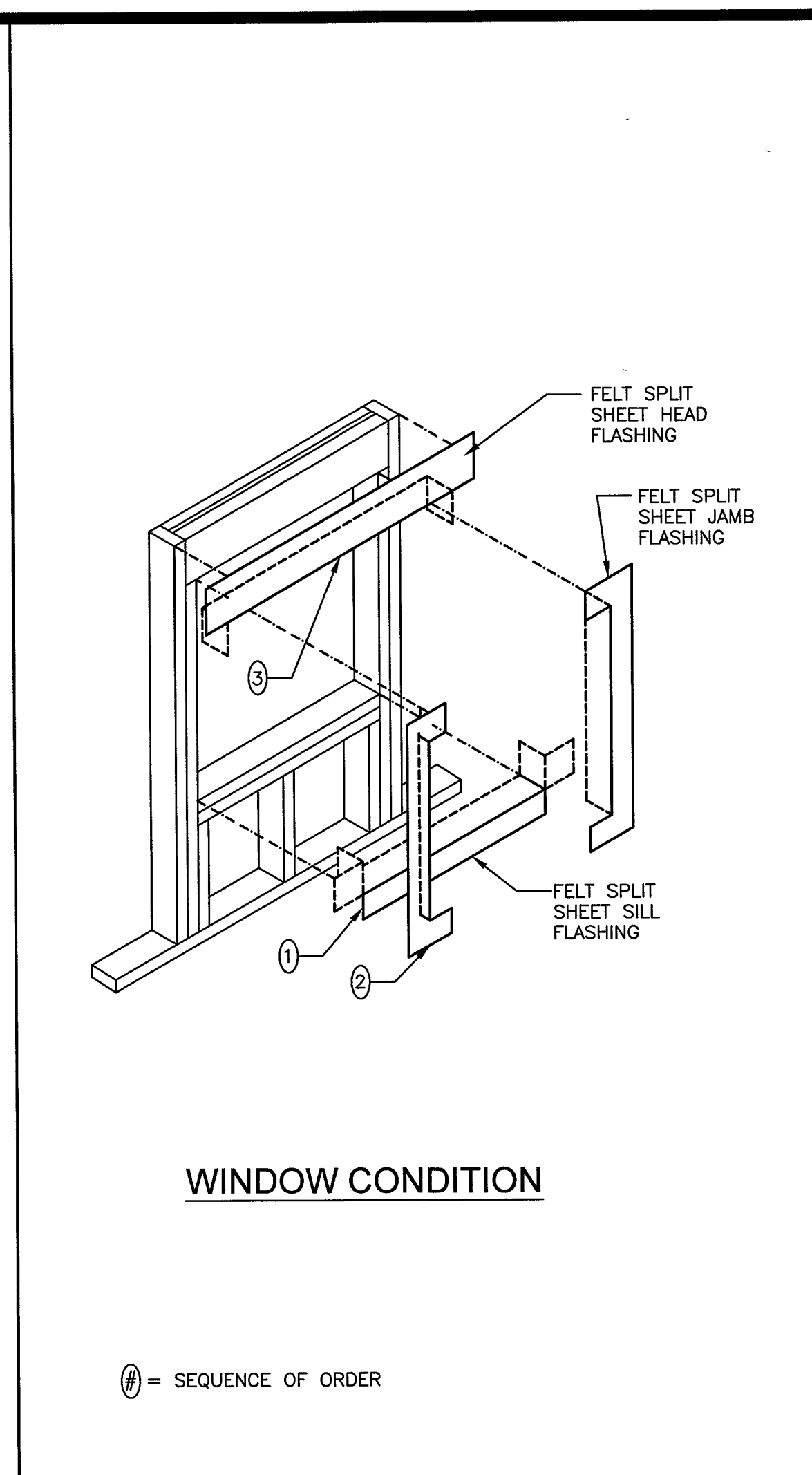
SPLIT SYSTEM CROSS SECTION



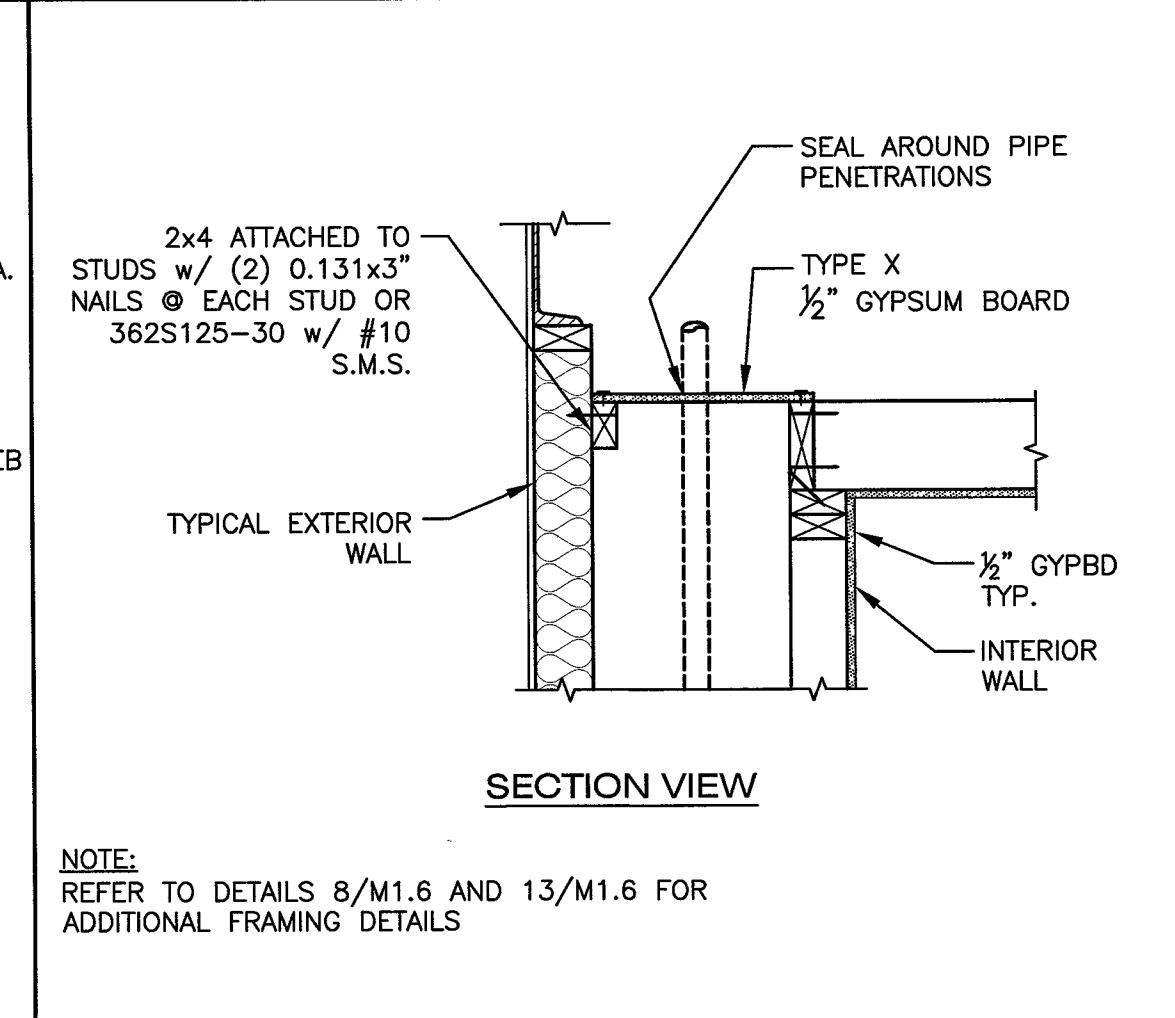
HVAC ATTIC MOUNTED SPLIT SYSTEM



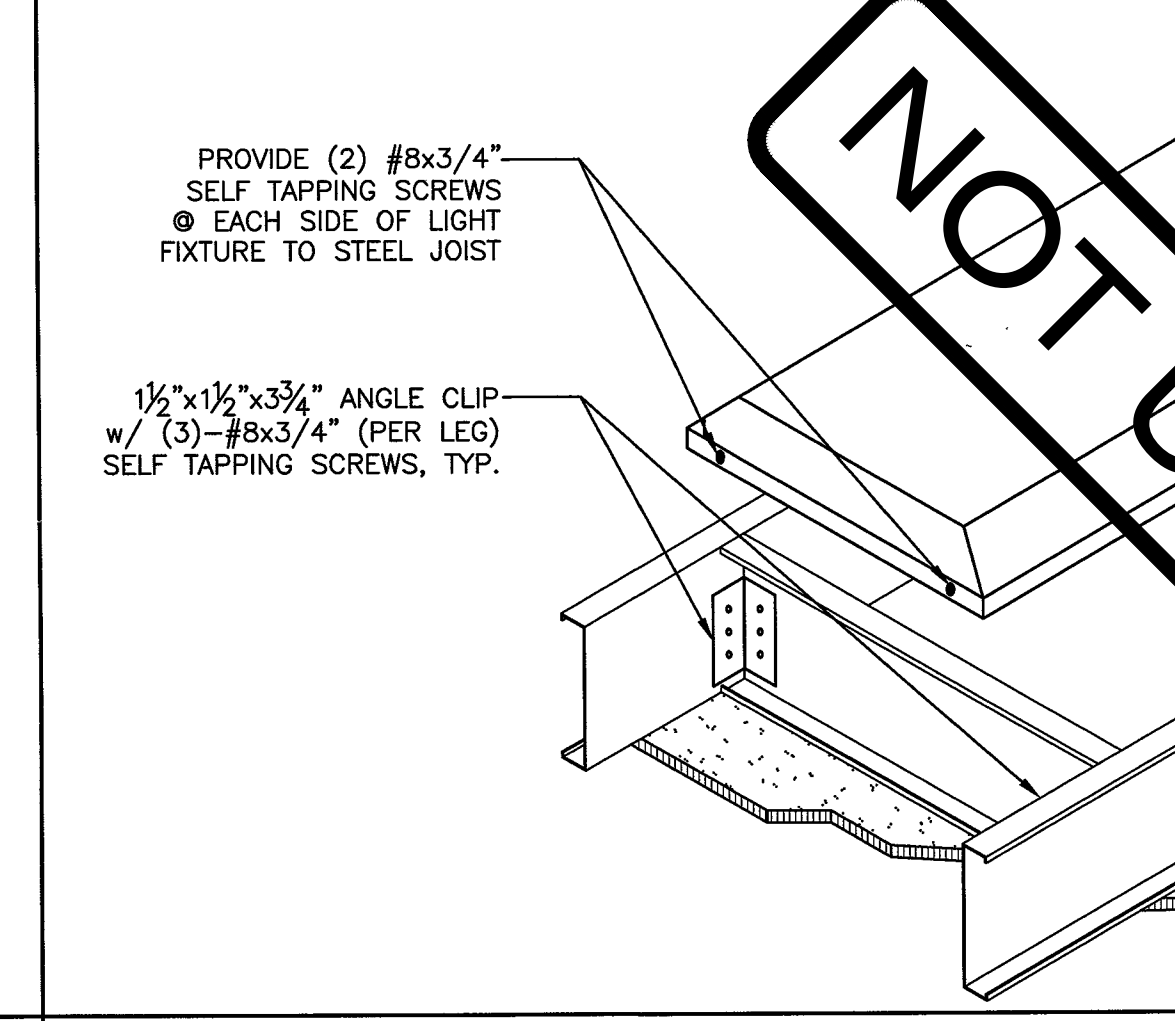
LIGHT FIXTURE ATTACHMENT DETAIL



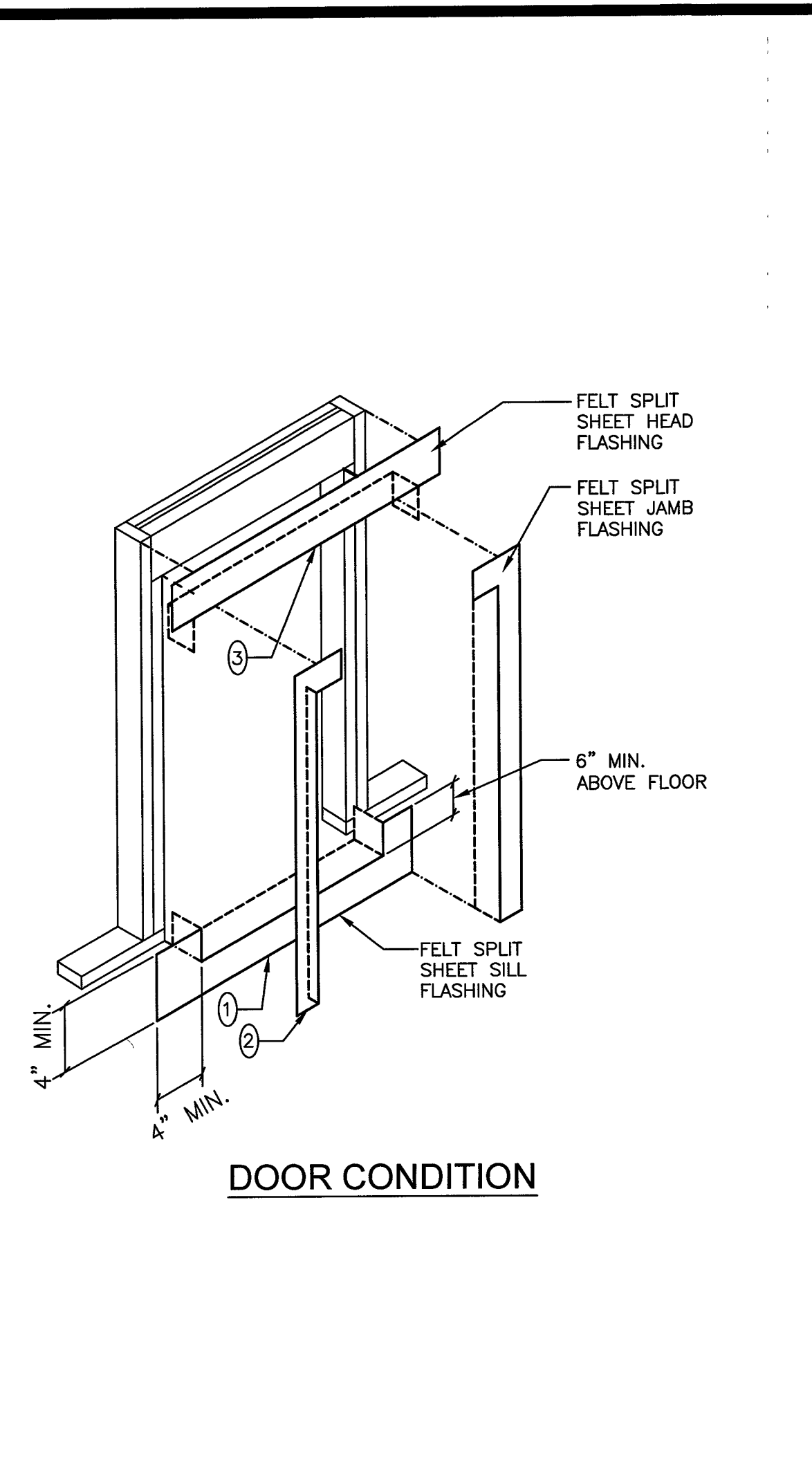
WINDOW CONDITION



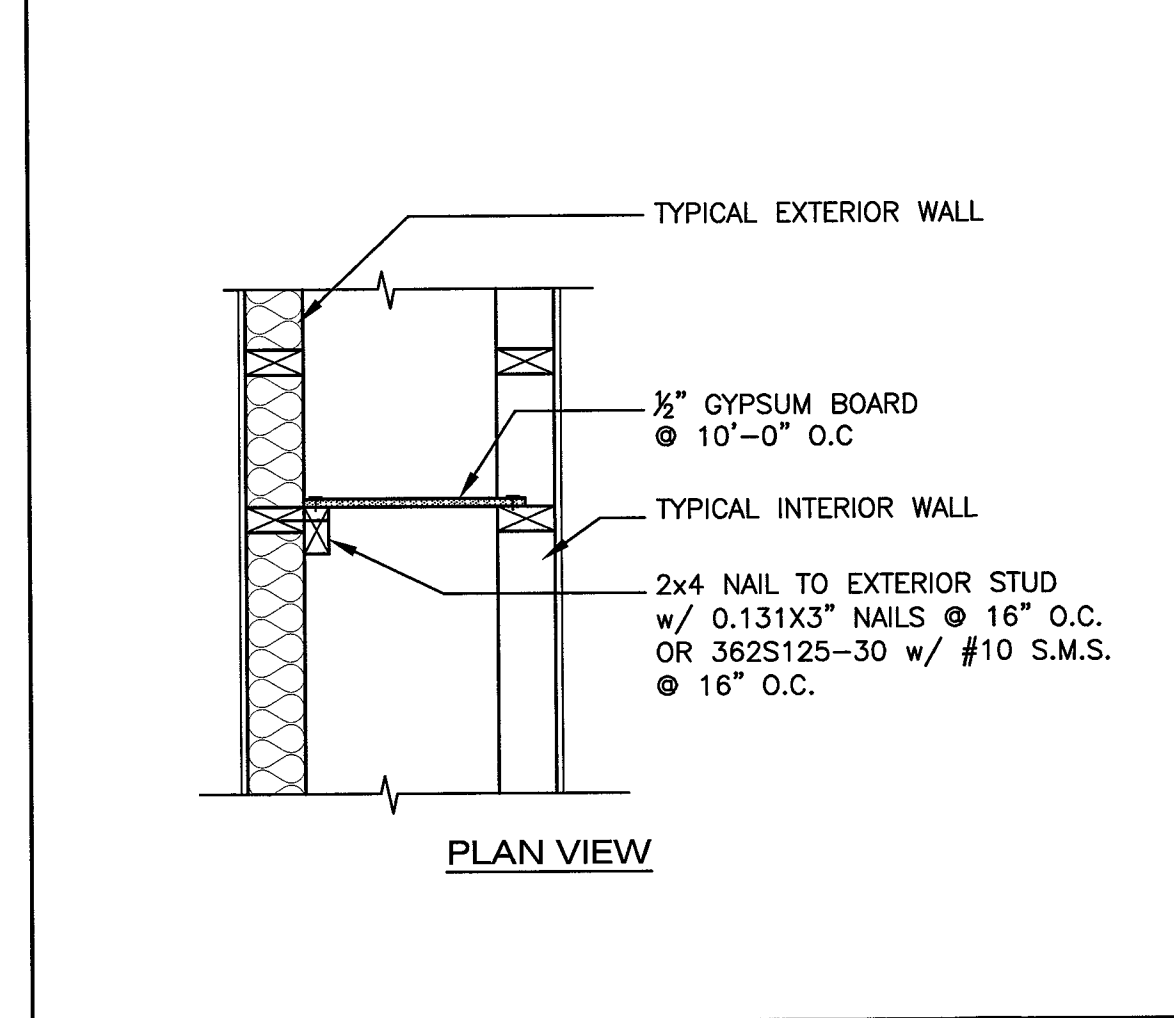
FLASHING @ WALL OPENINGS



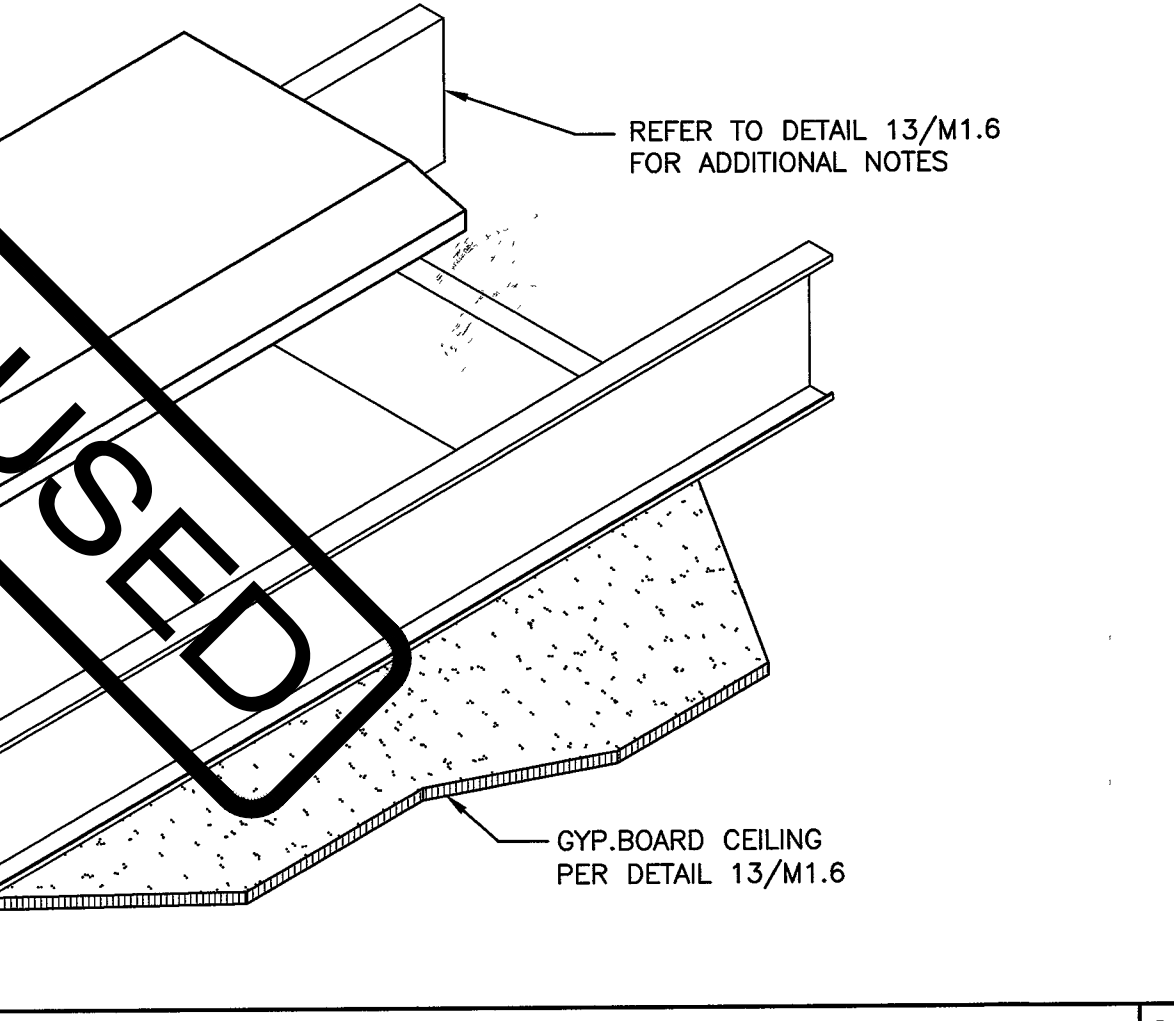
DRAFT STOP @ PLUMBING CHASE



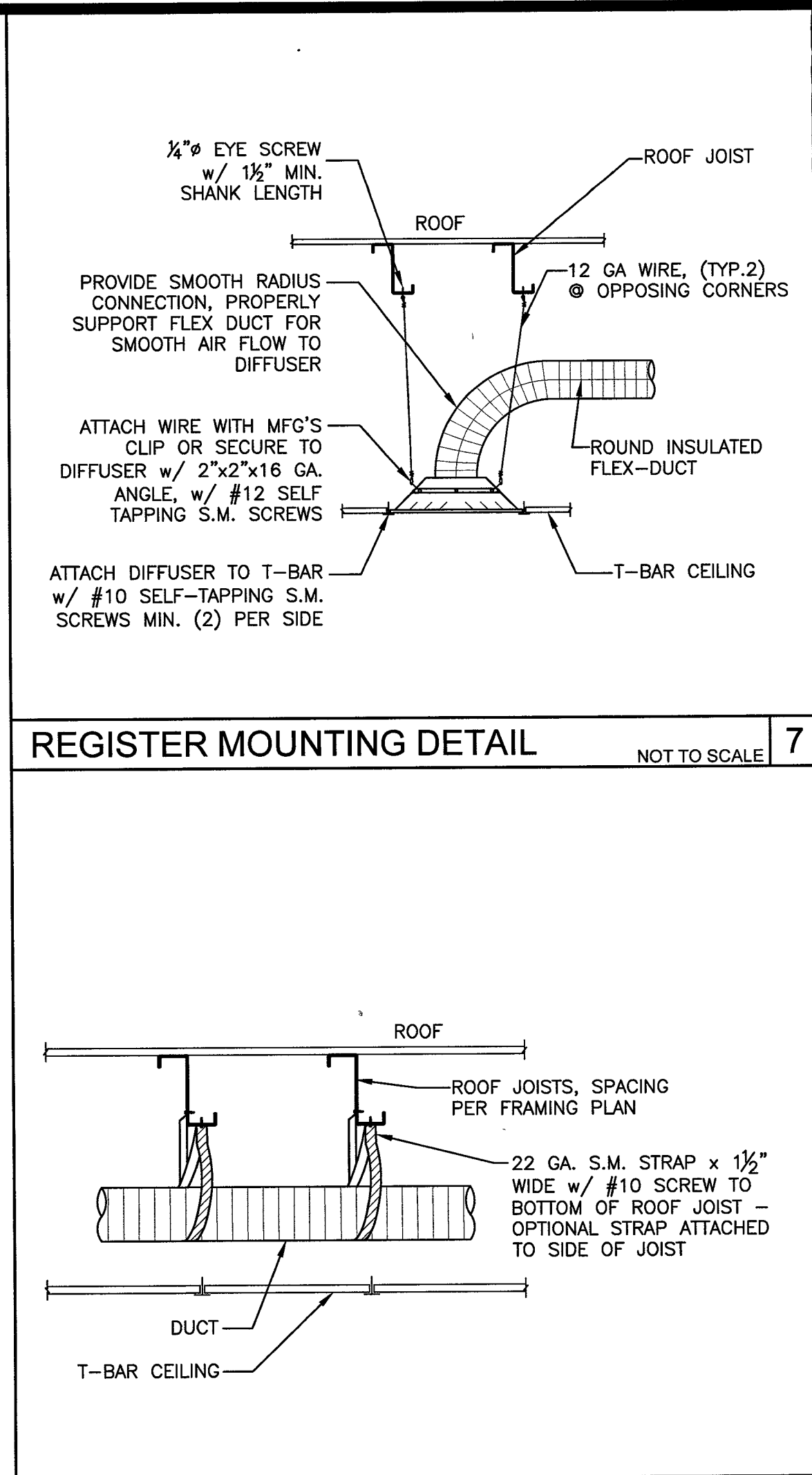
DOOR CONDITION



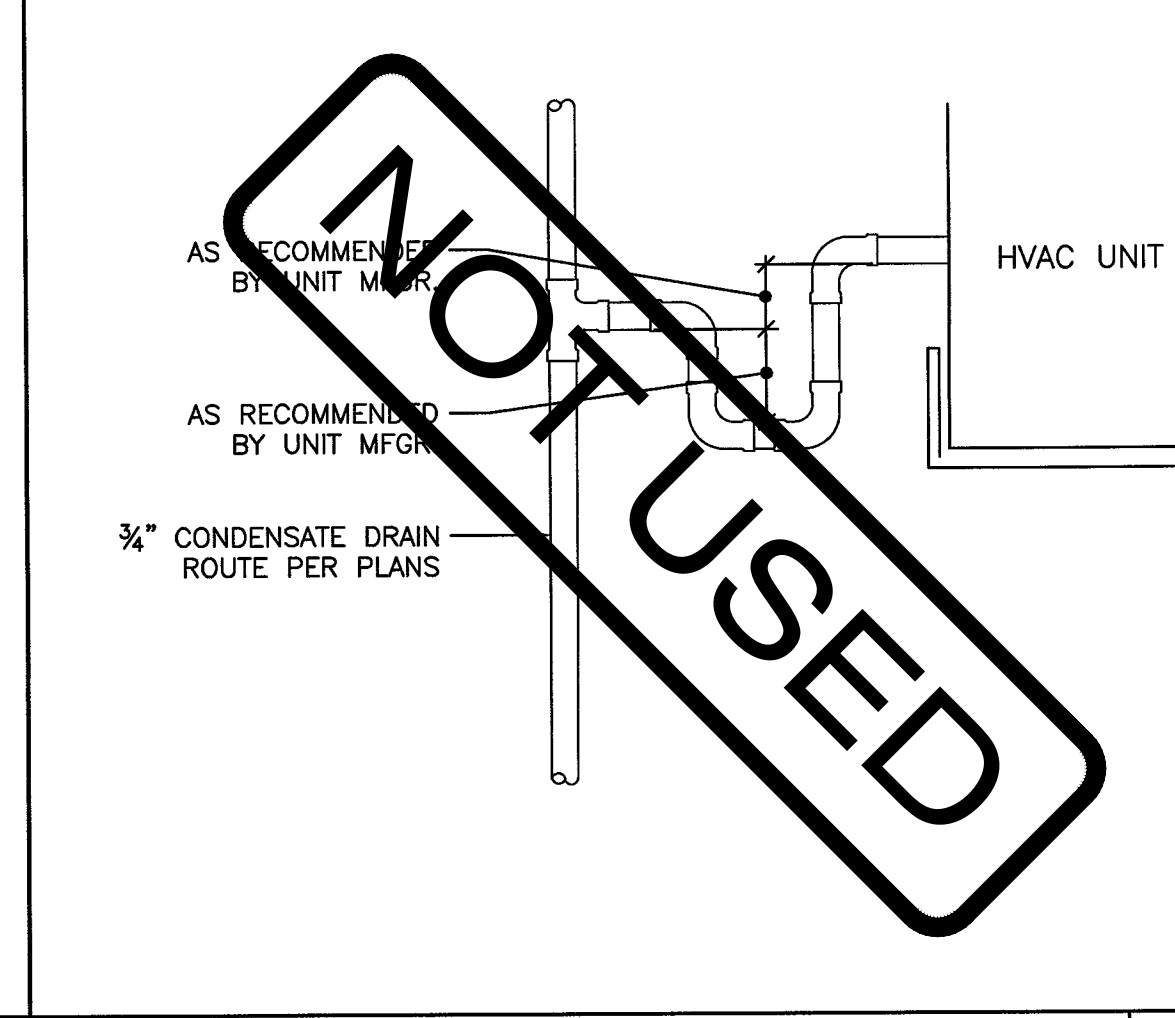
SECTION VIEW



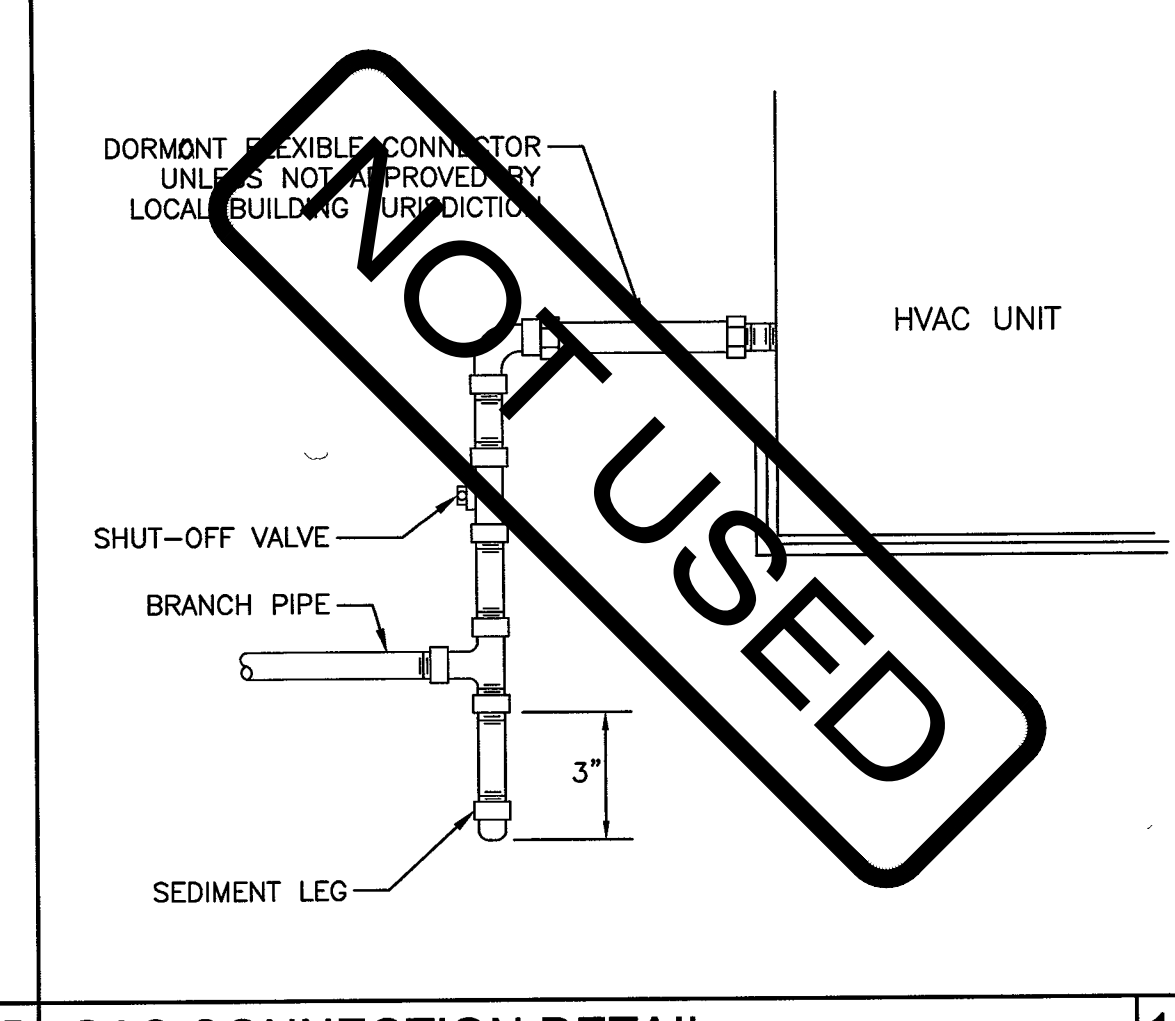
PLAN VIEW



FLEX DUCTING SUPPORT DETAIL



CONDENSATE DETAIL



GAS CONNECTION DETAIL

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PRE-CHECKED SET NAME

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

SITE SPECIFIC PROJECT NAME

SHEET TITLE
MECHANICAL
& CEILING
DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

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PC 02-115700
AC ☒ FLS ☒ SS ☒
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

M1.5

02-XXXXX - [C] and BUILDINGS - 3/02/2018 4:15 PM REVISED 3/26/2018 1:57 PM W:\Projects\PC\02_115700 - 02 - 115700 - M1.7 - Ceiling & Mechanical Notes.dwg

- 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.
- 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.
- 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.
- 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.
- 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.
- PERIMETER SUPPORT ANGLES SHALL BE AT LEAST 2 INCHES WIDE, OR USE PROPRIETARY ANGLES & SEISMIC CLIPS THAT HAVE A VALID EVALUATION REPORT.
- 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.
- CEILING AREAS EXCEEDING 2,500 SQUARE FEET SHALL HAVE A SEISMIC SEPARATION JOINT.
- EXPANSION JOINTS SHALL BE PROVIDED AT INTERSECTIONS OF CORRIDORS, LOBBIES AND OTHER SIMILAR AREAS.
- 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.
- 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.
- 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.
- 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.
- 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.
- SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

| TABLE A -- HEAVY DUTY GRID COMPONENTS | | | | |
|---|----------|-------------------|-------------------|----------------------|
| 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 |
| NOTE: ALL GRID COMPONENTS SHALL BE BY THE SAME MANUFACTURER | | | | |

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

| HVAC CFM CHART | | | | | | |
|----------------|---------|------------------|----------|-------------------|------|-----------------|
| | MODEL # | DESCRIPTION | MAX. CFM | UNIT WEIGHT (LBS) | EER | CLIMATE ZONE(S) |
| BARD Q-TEC | Q43H3-A | 3½ TON HEAT PUMP | 1200 | 615 | 10.0 | 1-16 |
| | Q48H3-A | 4 TON HEAT PUMP | 1400 | 620 | 10.0 | 1-16 |
| | Q60H3-A | 5 TON HEAT PUMP | 1550 | 625 | 10.0 | 1-16 |

| HVAC CFM CHART | | | | | | |
|--------------------|-------------------|------------------|----------|-------------------|------|-----------------|
| | MODEL # | DESCRIPTION | MAX. CFM | UNIT WEIGHT (LBS) | EER | CLIMATE ZONE(S) |
| CARRIER ROOF MOUNT | 50VT-C42----3--TP | 3½ TON HEAT PUMP | 1400 | 435 | 11.5 | 1-16 |
| | 50VT-C48----3--TP | 4 TON HEAT PUMP | 1600 | 456 | 12.0 | 1-16 |
| | 50VT-C60----3--TP | 5 TON HEAT PUMP | 1750 | 487 | 11.5 | 1-16 |

| HVAC CFM CHART | | | | | | |
|-------------------------|-------------|------------------|---------------------|----------|-------------------|-----------------|
| | MODEL # | DESCRIPTION | AIR HANDLER MODEL # | MAX. CFM | UNIT WEIGHT (LBS) | CLIMATE ZONE(S) |
| CARRIER SPLIT DX SYSTEM | 25HC442A003 | 3½ TON HEAT PUMP | FX4DN043 | 3810 | 170 | 1-16 |
| | 25HC448A003 | 4 TON HEAT PUMP | FX4DN049 | 4046 | 170 | 1-16 |
| | 25HC460A003 | 5 TON HEAT PUMP | FX4DN061 | 4046 | 198 | 1-16 |

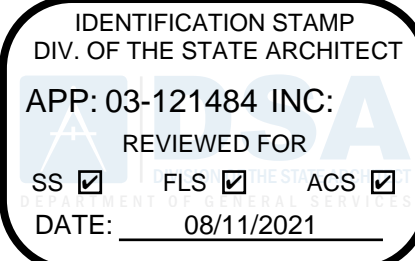
| HVAC SCHEDULE | | | |
|--|------------|------------|------------|
| BUILDING SIZE | # OF HVAC | | |
| | 2 TON HVAC | 4 TON HVAC | 5 TON HVAC |
| <input checked="" type="checkbox"/> 24'x40' | 1 | | |
| <input checked="" type="checkbox"/> 36'x40' | | 1 | |
| <input type="checkbox"/> 48'x40' | 2 | | |
| <input type="checkbox"/> 60'x40' | | 2 | |
| <input type="checkbox"/> 72'x40' | 3 | | 2 |
| <input type="checkbox"/> 84'x40' | | 3 | |
| <input type="checkbox"/> 96'x40' | 4 | | 3 |
| <input type="checkbox"/> 108'x40' | | 4 | |
| <input checked="" type="checkbox"/> 120'x40' | 5 | | |

| INSULATION SCHEDULE | | | | | |
|---------------------|-------|--------|--------|-----------------------|-----------------|
| ZONE | WALL | ROOF | | FLOORS (NON-CONCRETE) | CONCRETE FLOORS |
| | | BATTS | OTHER | | |
| 1-14, & 15 | *R-13 | **R-19 | ***R-1 | R-13 | - |
| 16 | *R-13 | **R-19 | ***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 ACHIEVED w/ POLYSTYRENE OR INSULATION TAPE APPLIED TO TOP FLANGE OF PURLINS, OR EQUAL.

HEATING VENTILATING AND AIR CONDITIONING (HVAC)

- 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.
 - 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.
 - THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE-THIRD FRESH AIR.
- DUCTWORK
 - 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.
 - 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.
- AIR DUCT INSULATION AND LININGS SHALL COMPLY WITH FLAME SPREAD LESS THAN OR EQUAL TO 25, SMOKE GENERATION LESS THAN OR EQUAL TO 50.
- 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, CERTAINTED, OR EQUAL AND 90-B: UL #131 TEST, CLASS 1 RATING WITH "SMACNA".
- 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.
- AIR CONDITIONING CONTROLS: PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL HAVE THE FOLLOWING FUNCTIONS:
 - 5 AND 2 WEEKDAY/WEEKEND PROGRAMMING DAYS WITH 4 SEPARATE TIME/TEMPERATURE SETTINGS FOR A 24-HOUR PERIOD.
 - KEY BOARD LOCKOUT SWITCH.
 - PROGRAMMABLE DISPLAY.
 - 2-HOUR OVERRIDE MINIMUM.
 - STATUS INDICATED LED'S.
 - BATTERY BACK-UP.
 - 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.
- THERMAL INSULATION
 - ROOF INSULATION: R-19 WITH 22 GA. WIRE @ 16" O.C. & R-1 TOP OF PURLINS.
 - WALLS INSULATION: R-13 KRAFT FACED, (R-5 INSULATION OVER METAL FRAMED WALLS)
 - NON-CONCRETE FLOORS INSULATION: R-13
 - CONCRETE FLOORS INSULATION: N/A
 - FLAME SPREAD AND SMOKE DEVELOPMENT SHALL CONFORM TO CALIFORNIA BUILDING CODE SEC. 720.
- FACTORY-MADE AIR DUCTS
 - FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF C.M.C. SECTION 601.0.
 - 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.
 - 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. @ EACH END.
 - SUPPLY AIR PLENUM TO BE SUPPORTED WITH 1-1/2" WIDE x26 GA. GALV. STRAPS MINIMUM 2 PER PLENUM.
 - SUPPLY AIR BOX AND DIFFUSERS TO BE SUPPORTED WITH (2) 12 GA. HANGER WIRES TO BOX @ OPPOSITE CORNERS.
 - 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.
- FIREBLOCKING SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS:
 - IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES;
 - AT THE CEILING AND FLOOR LEVELS;
 - AND AT 10'-FOOT (3048mm) INTERVALS BOTH VERTICAL AND HORIZONTAL. REFERENCE 2016 CBC SECTION 718.
- 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")
- HVAC FILTER
 - 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.
 - INSTALLED FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INCLUDING THE MERV RATING, PER 2016 CEC SECTION 5.504.5.3.1



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PRE-CHECKED SET NAME

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

SITE SPECIFIC PROJECT NAME

SHEET TITLE

CEILING & MECHANICAL
NOTES & SCHEDULES

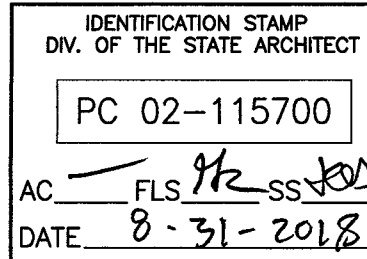
MANUFACTURER PROFESSIONAL OF RECORD ON PC



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

PROJECT SPECIFIC STATE AGENCY APPROVAL

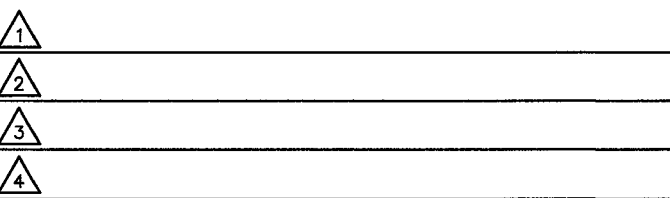
ORIGINAL PC STATE AGENCY APPROVAL



PRE-CHECK (PC) DOCUMENT

CODE 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

REVISIONS



DRAWN BY: .
SCALE: AS NOTED
DATE: .

SHEET NUMBER

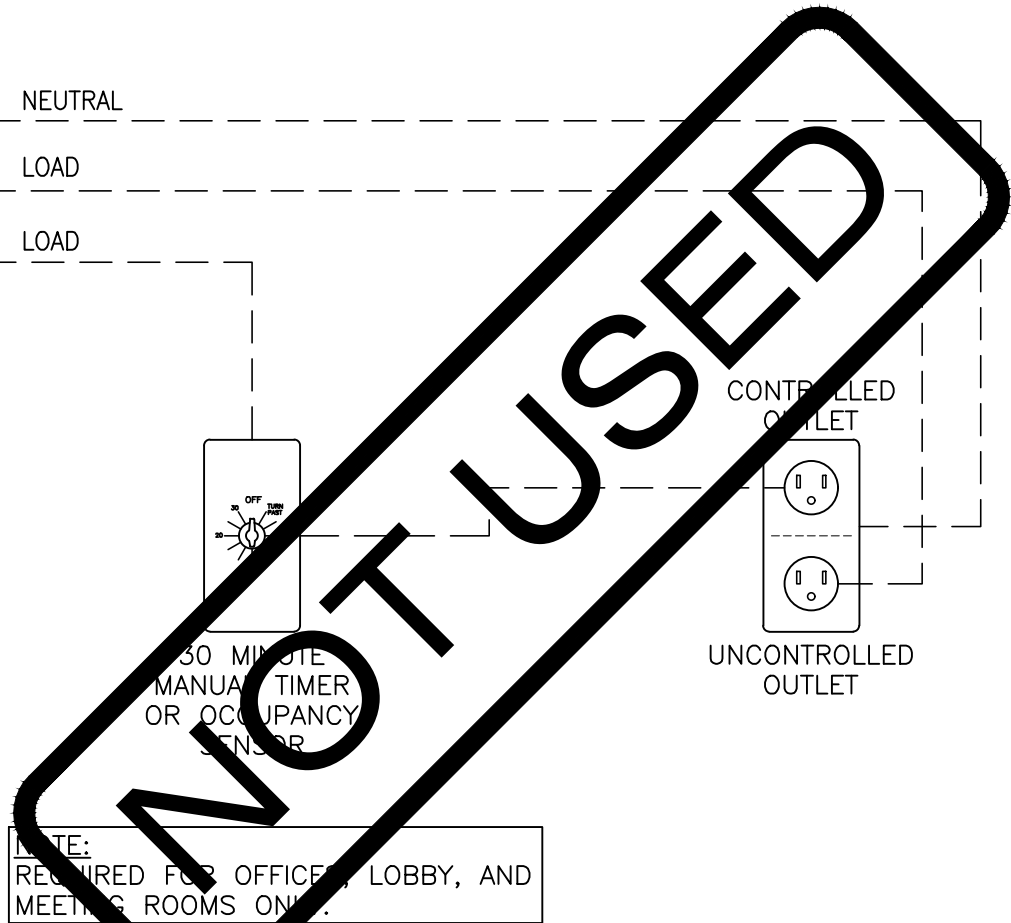
M1.7

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

HVAC SCHEDULES

HVAC NOTES




































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



NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

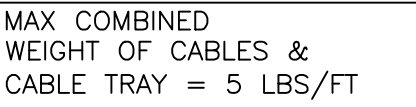
NTS

STANDARD ELECTRICAL SYMBOLS

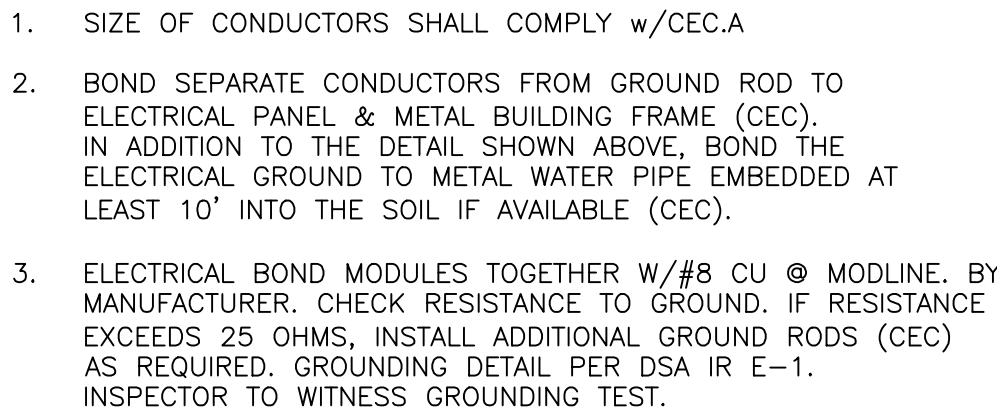
- | | |
|---|---|
|  | ELECTRICAL PANEL – MOUNT FLUSH WITH WALL FINISH, U.O.N. |
|  | INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE |
|  | EXTERIOR LIGHT FIXTURE @ EACH DOOR, LED OR EQUAL (MAX 35W) |
|  | EXTERIOR LIGHT FIXTURE @ EACH DOOR, LED OR EQUAL (MAX 35W) – WHERE THERE ARE TWO OR MORE EXITS, 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. |
| \$S  | SINGLE POLE SOLA-TUBE SWITCH – MOUNT @ +48" A.F.F. MAX TO TOP OF BOX. |
| ⊙  | SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED. |
| T  | THERMOSTAT – TOP OF BOX MOUNTED @ +46" A.F.F. |
| J  | JUNCTION BOX – SIZE / LOCATION A.F.F. / TYPE AS NOTED |
| J  | ELECTRICAL CROSSOVER – J-BOX – ABOVE CEILING – #1- 4"x1", #22- 4"x2" |
| C  | CLOCK/SPEAKER COMBO – MOUNT @ +90" A.F.F. TO CENTERLINE – U.O.N. – DEVICE BY OTHERS |
| S  | 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  | 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 OTHERS |
| ▼  | 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 |
| S  | 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 |
| DC  | DOOR CONTACT – PROVIDE (1) EMPTY 1/2" DIA EMT THROUGH DOOR HEADER – STUBBED ABOVE CEILING – DEVICE BY OTHERS |
| M  | 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 |
| F  | 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 OTHERS |
| ▽  | 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 |
| Φ  | 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. |
|  | 2'x4' LED DROP IN FIXTURE, MODEL: LITHONIA, VTLED 2VTL4, 4000K CP41 – 40 WATTS MAX (60 WATTS ALLOWABLE AT CZN 16) OR EQUAL |
|  | 2'x2' LED DROP IN FIXTURE, MODEL: LITHONIA, VTLED 2VTL2, 4000K SP41 – 40 WATTS MAX (60 WATTS ALLOWABLE AT CZN 16) OR EQUAL |
|  | 24 HOUR EMERGENCY LIGHTING WITH MINIMUM 90-MINUTE BATTERY BACK-UP – WHERE TWO OR MORE EXITS ARE 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 |

SHEET NUMBER

E1.0



| | |
|---------------|---|
| SCALE: N.T.S. | 1 |
|---------------|---|



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

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

GENERAL NOTES



NOTES:

1. ALL WATER FIXTURES MUST MEET REQUIREMENTS OF CAL-GREEN TITLE 24, PART 11, SECTION 5.303.3 "WATER CONSERVING PLUMBING FIXTURES & FITTINGS".
2. FOR OPTIONAL FLOOR-MOUNT WATER CLOSET, SEE PLUMBING SCHEDULE MARK WC/3 (NOT SHOWN ON PLAN).
3. NOT ALL ITEMS LISTED MAY OCCUR IN THIS PROJECT.

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.

1. DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTED OTHERWISE (i.e. F.O.C., ☺)
2. RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION.
3. 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 12'x40' MODULE.
5. INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING. REFER TO SHEET SB.1 OR SB.1 FOR ATTACHMENTS.
6. REFER TO SCHEDULE 10/P2.0 FOR ACCESSIBLE HEIGHTS AT TOILETS.
7. REFER TO DETAILS 1, 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.

PROJECT SPECIFIC STATE AGENCY APPROVAL

BASED ON PC02-115700

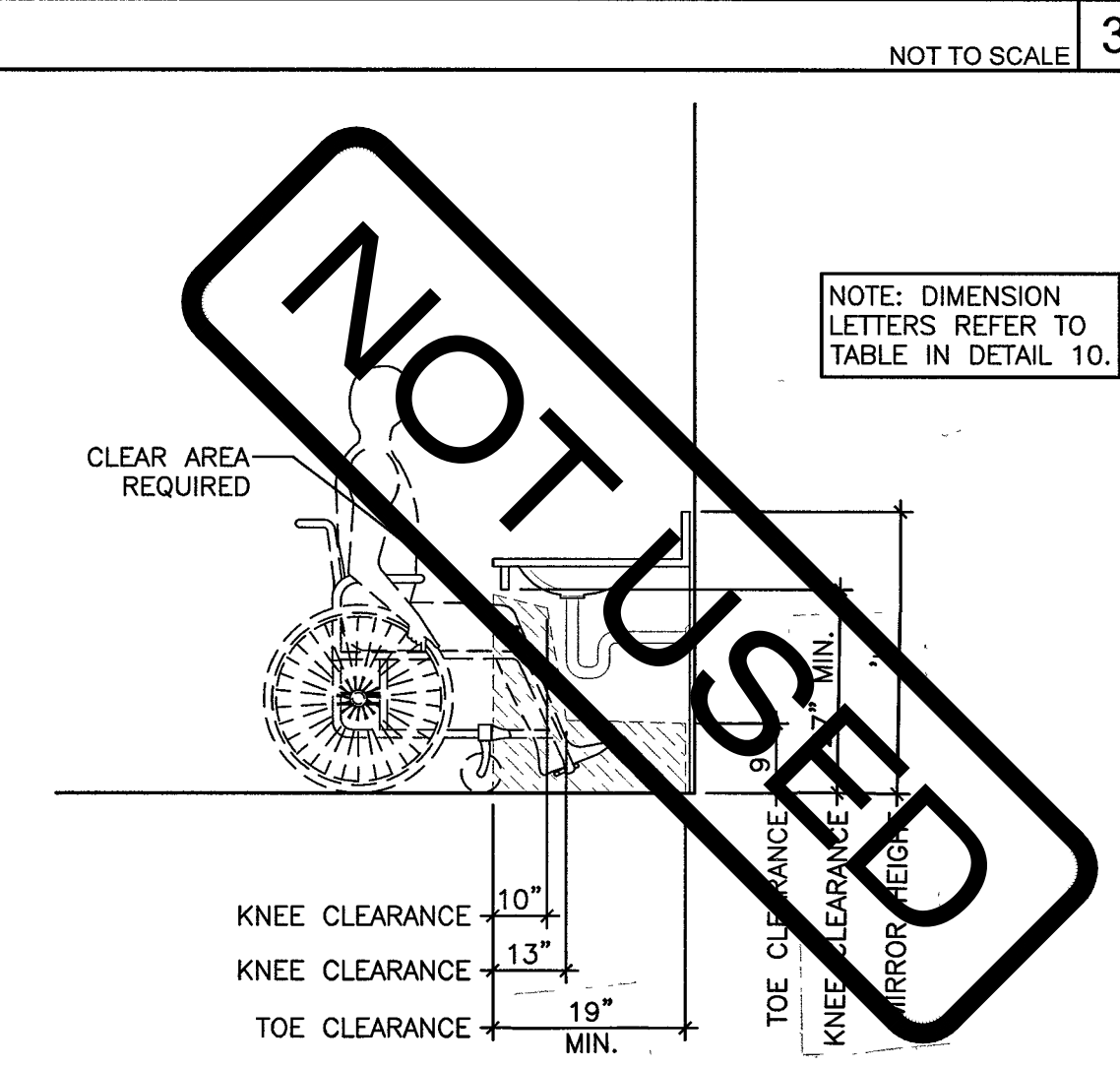
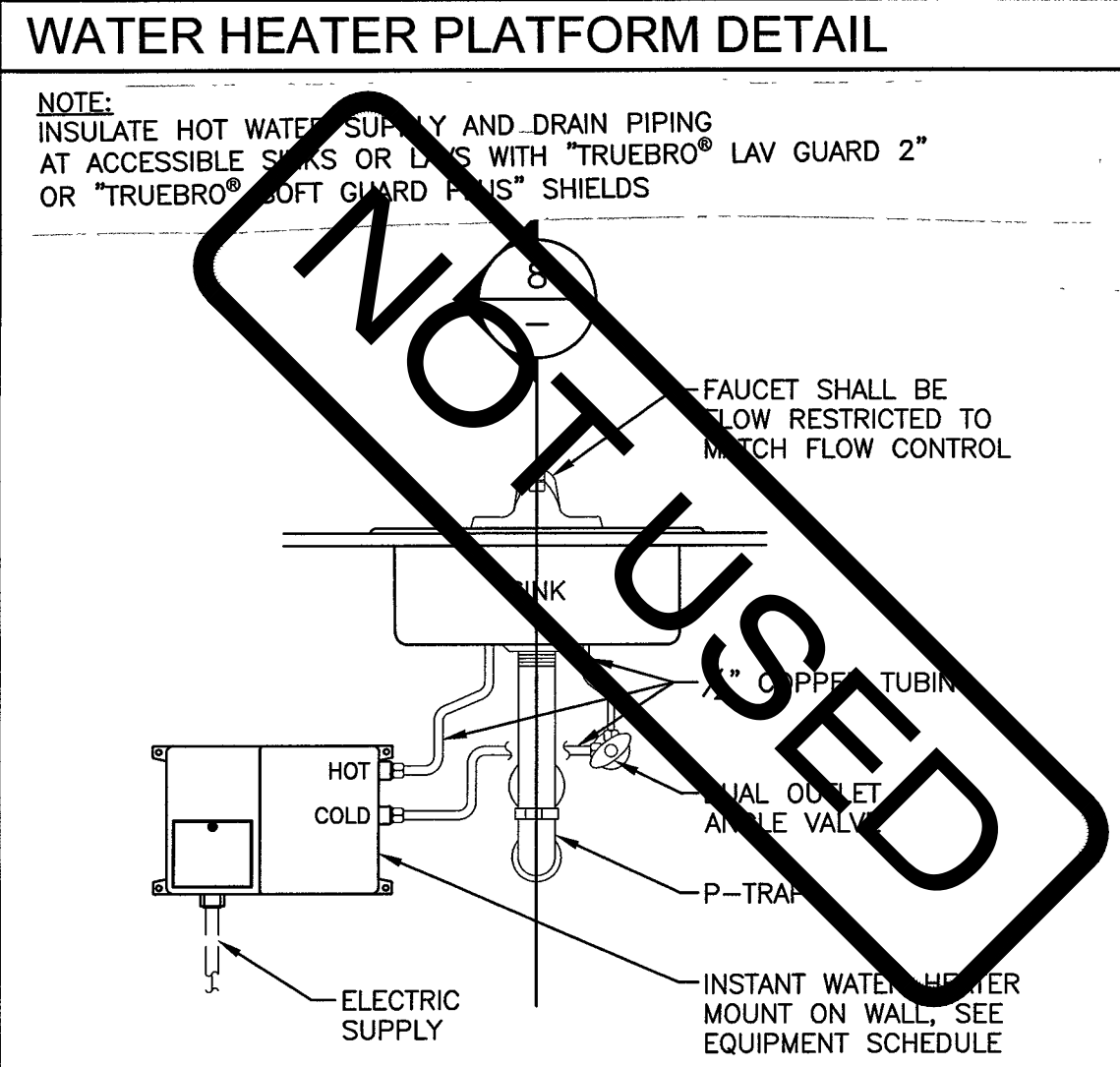
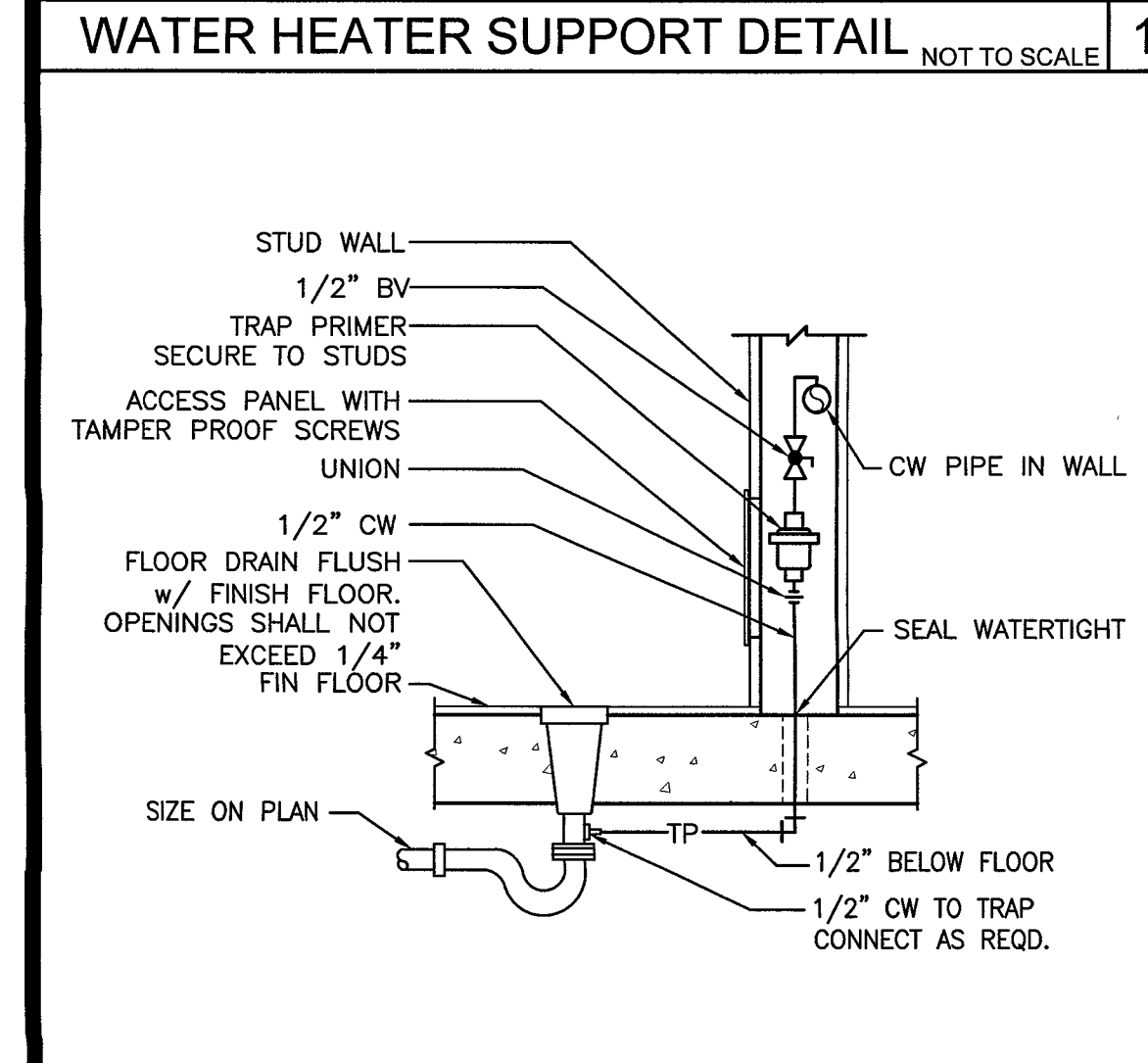
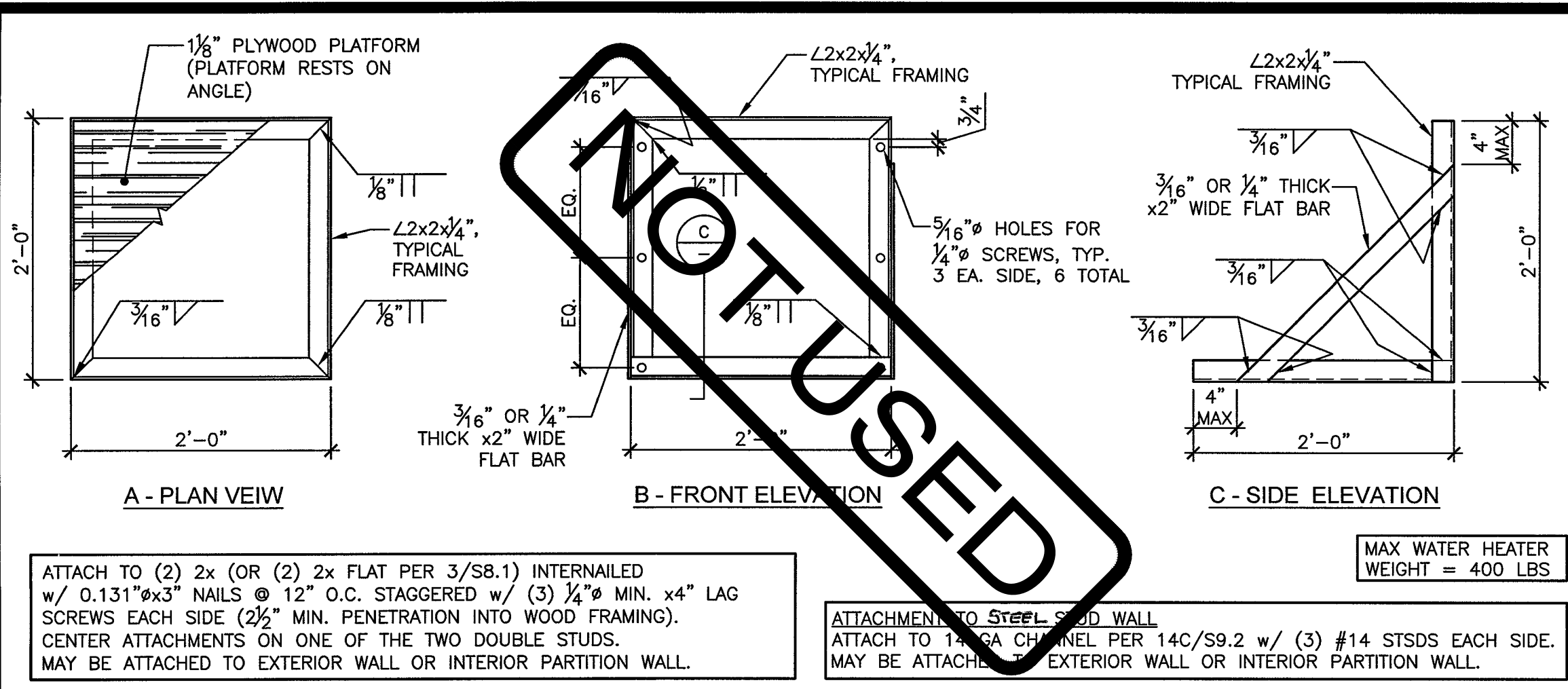
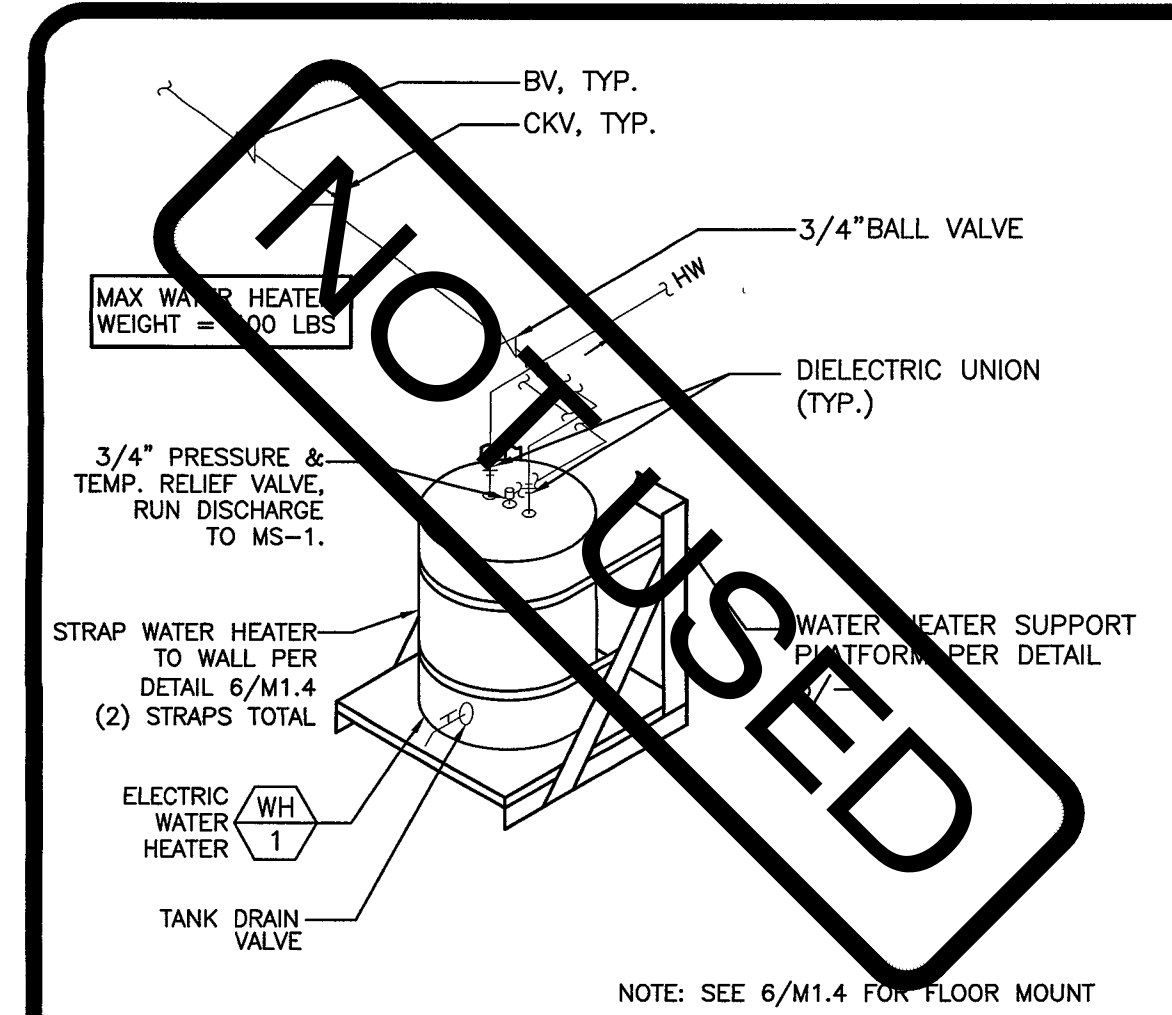
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SHEET NUMBER

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

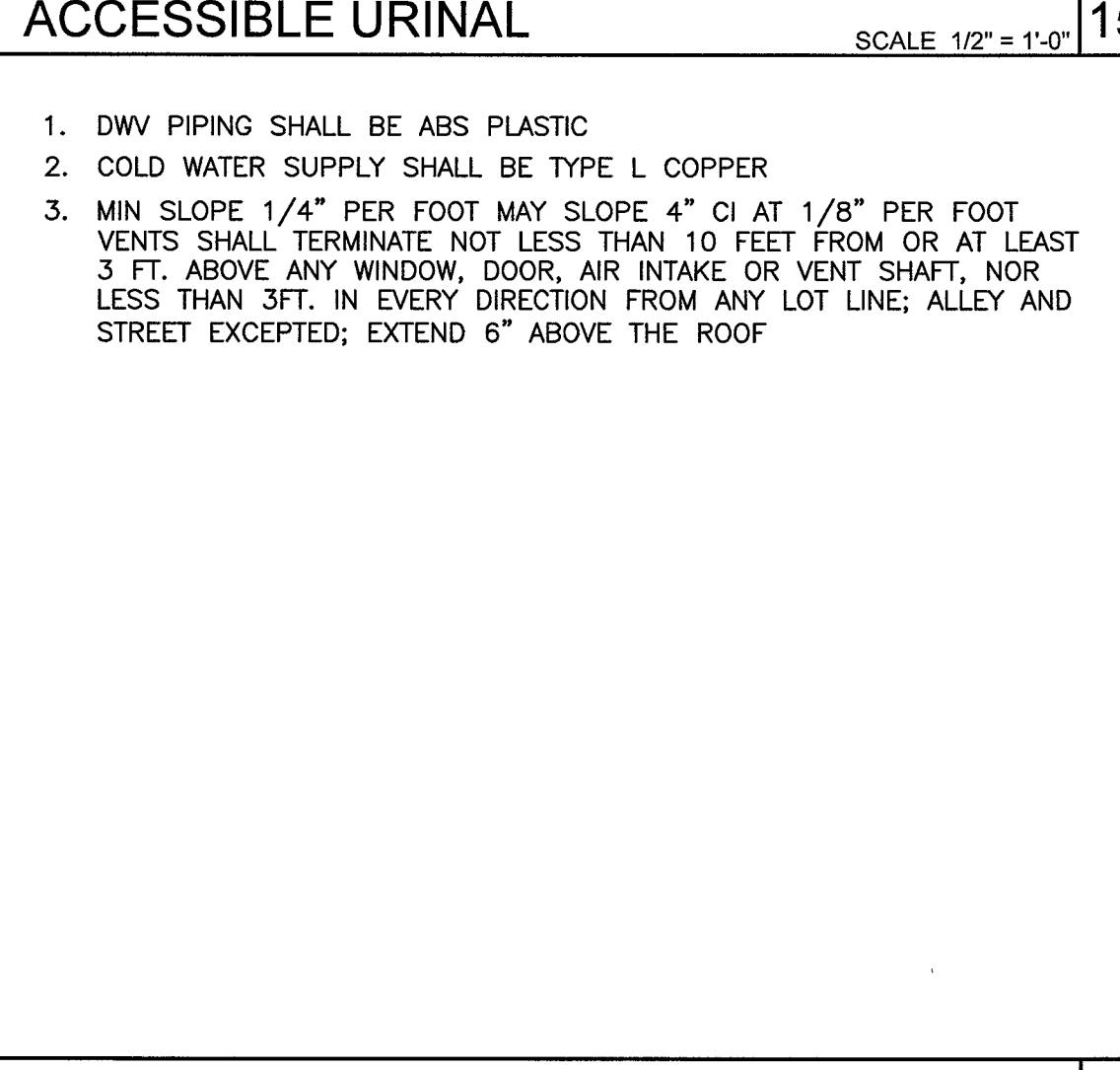
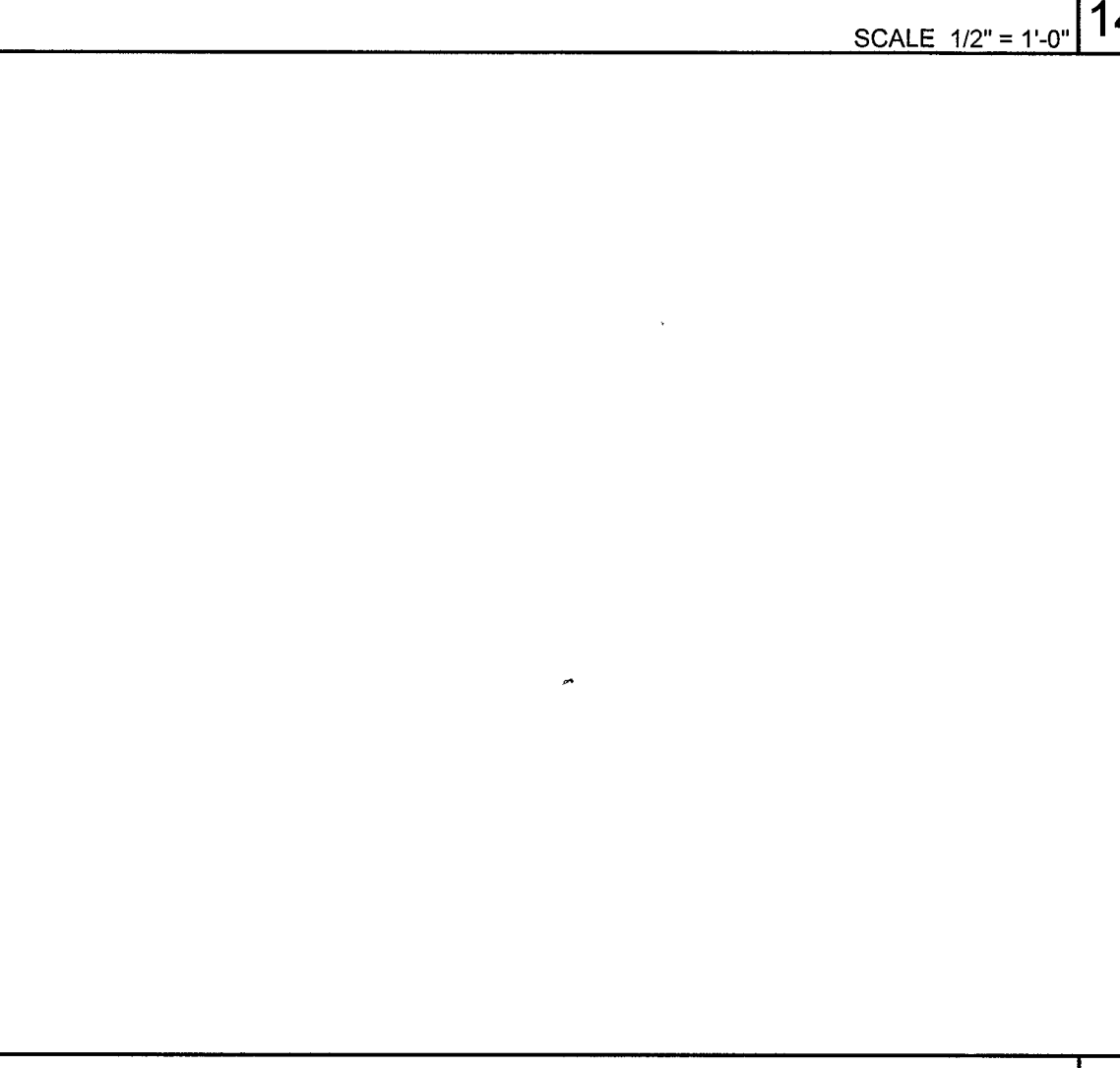
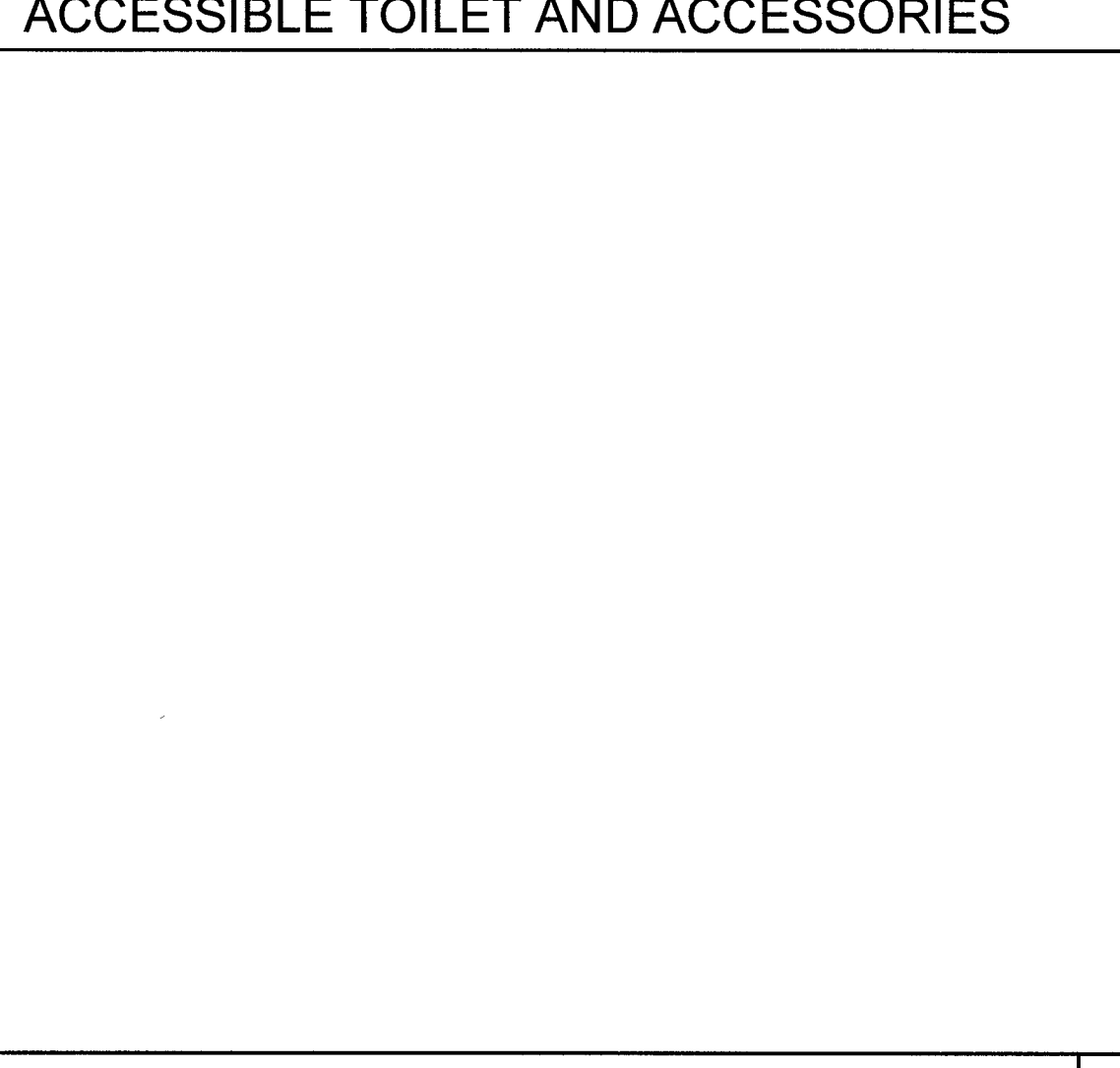
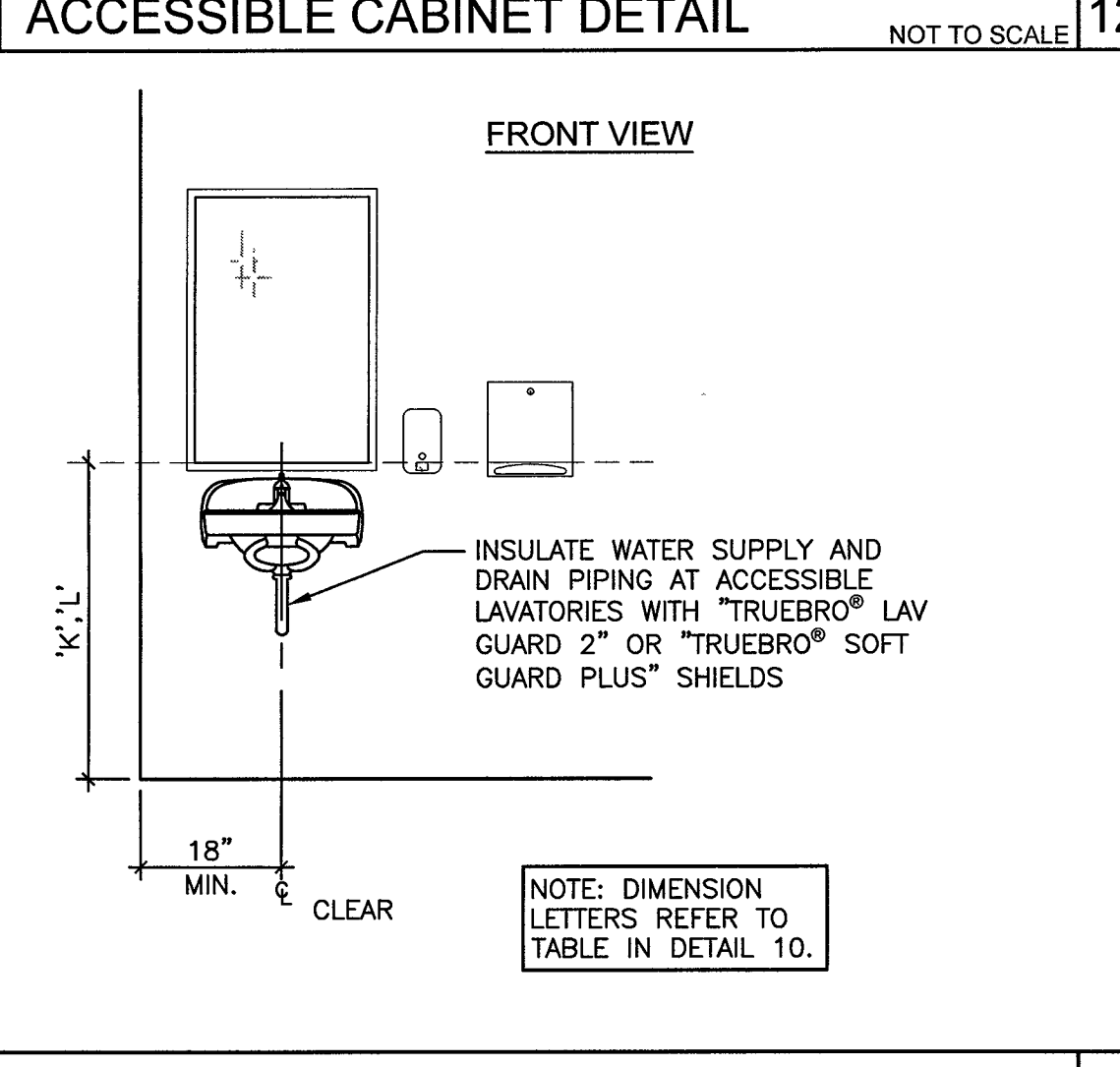
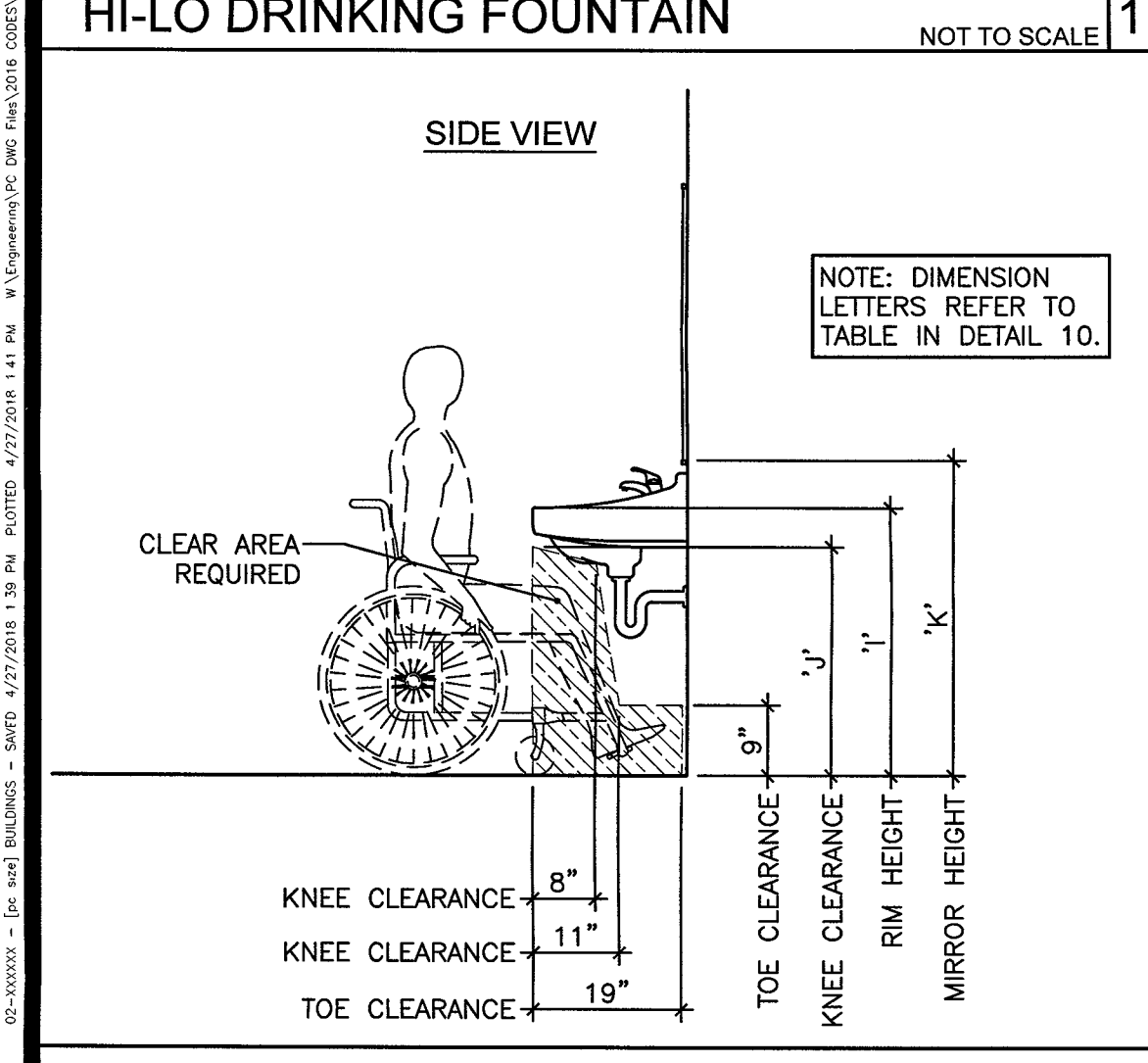
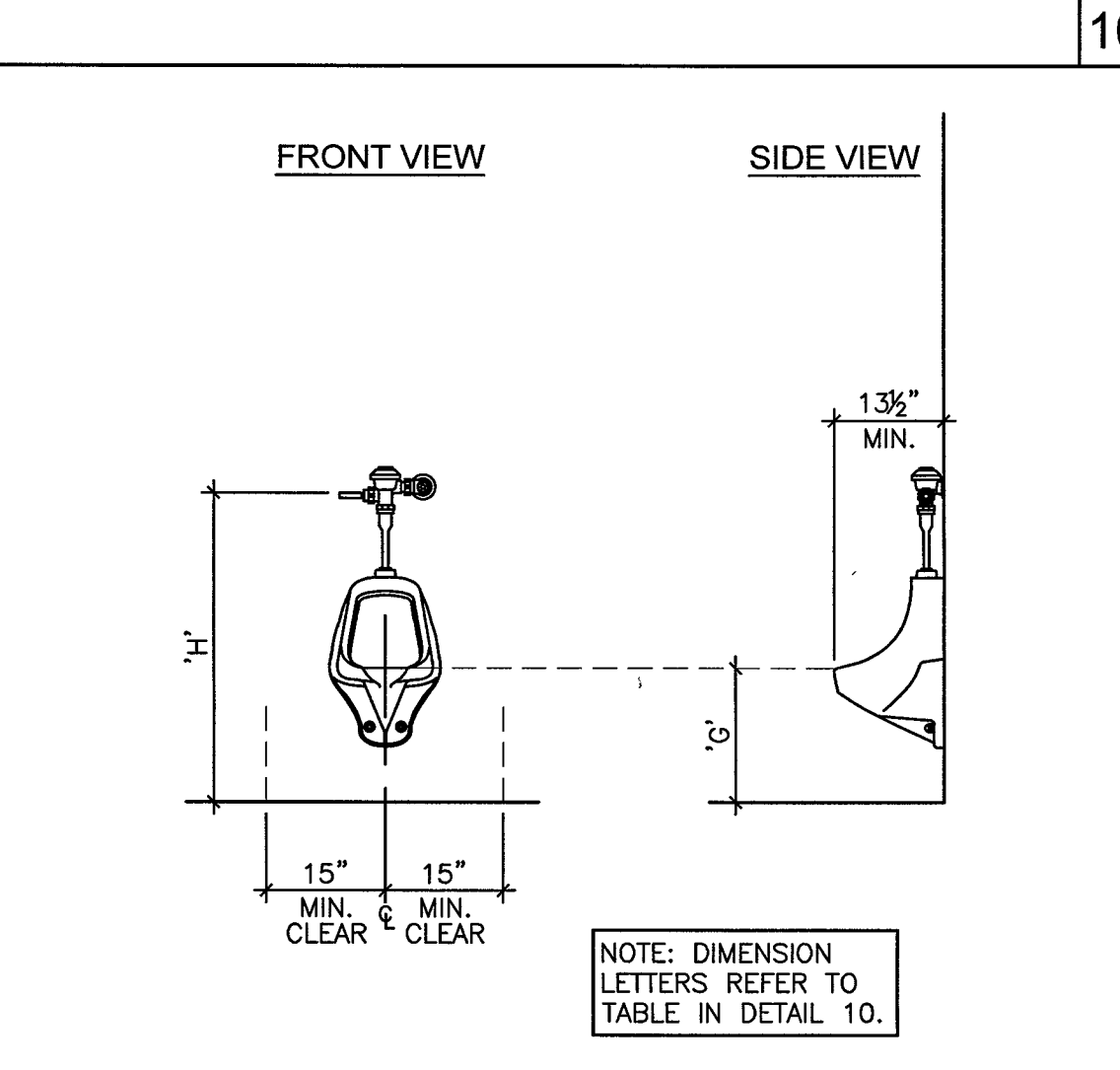
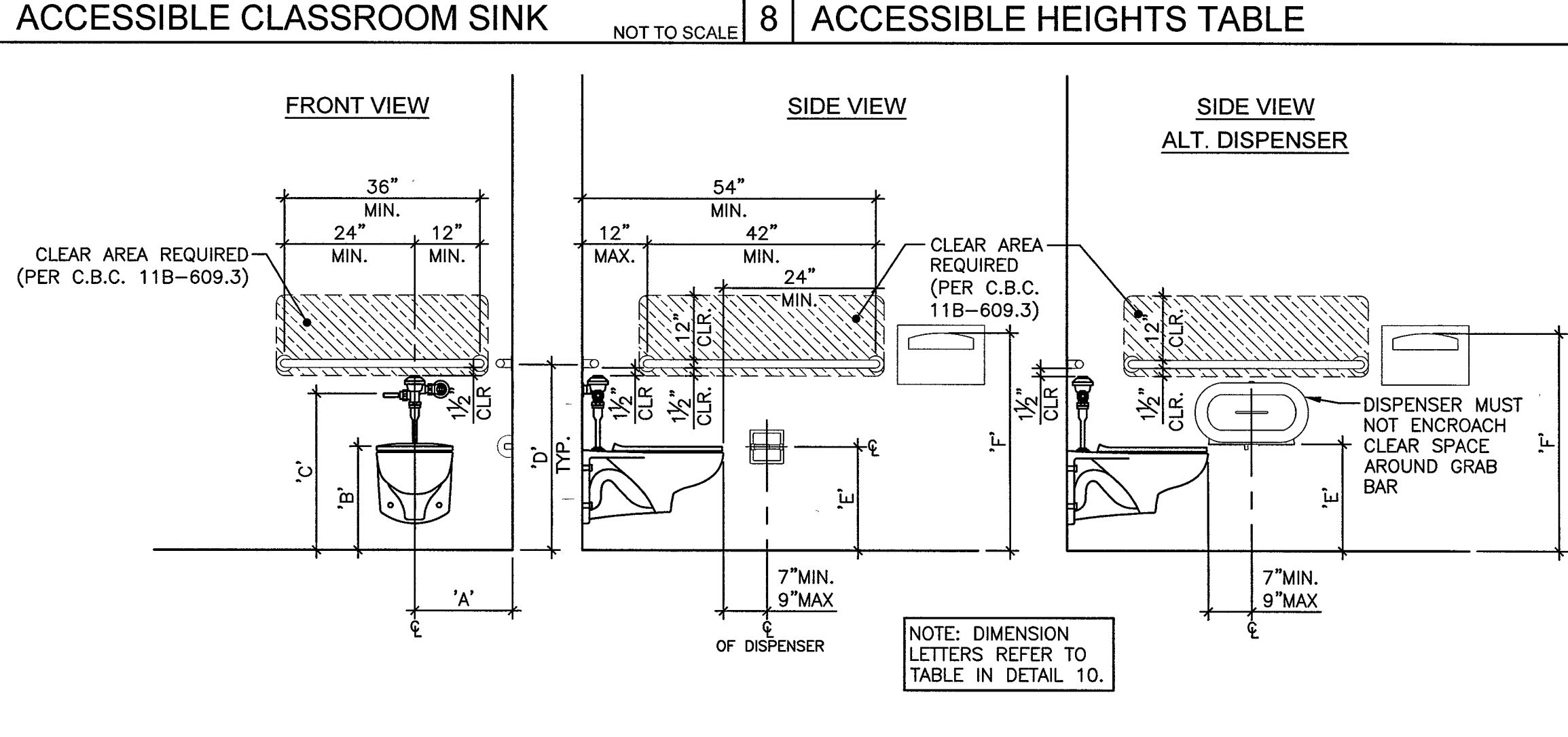
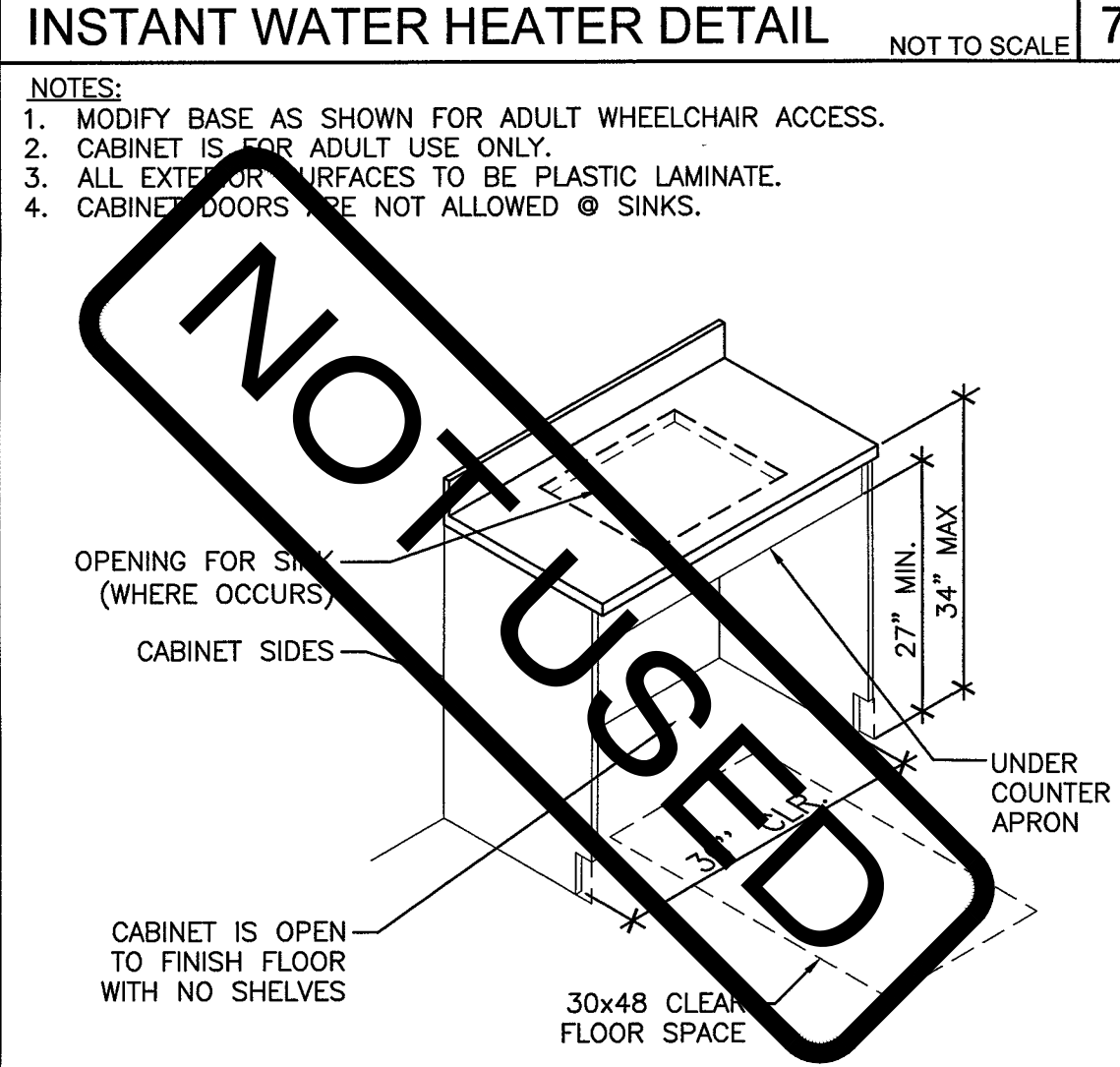
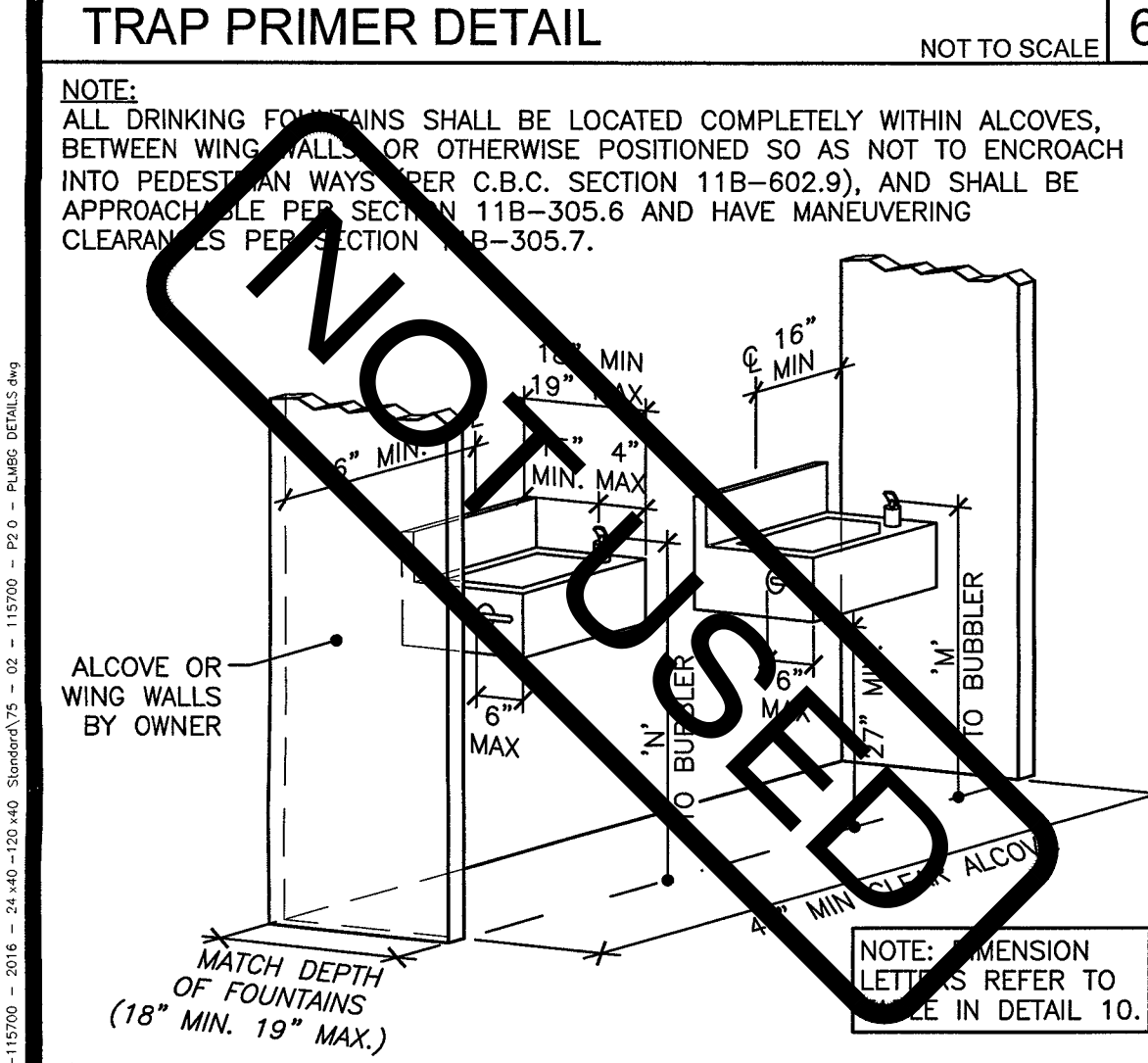
PLUMBING FIXTURE SCHEDULE

GENERAL NOTES



| HEIGHTS FOR ACCESSIBLE FEATURES IN TOILET FACILITIES | | | | | |
|---|----------------------|----------------------|----------------------|---------------------------------|--|
| FIXTURE & MEASUREMENT POINT | PRIMARY USERS | | | | NOTES |
| | AGES 3-4 | AGES 5-8 | AGES 9-12 | AGES 13-ADULT | |
| A TOILET, CENTERLINE FROM FACE OF WALL | 12" SUGGESTED | 12" TO 15" SUGGESTED | 15" TO 18" SUGGESTED | 17" MIN TO 18" MAX | |
| B TOILET, TOP OF SEAT HEIGHT | 11" TO 12" SUGGESTED | 12" TO 15" SUGGESTED | 15" TO 17" SUGGESTED | 17" MIN TO 19" MAX | |
| C TOILET, TOP OF FLUSH CONTROLS | 36" MAX | 36" MAX | 36" MAX | 44" MAX | FLUSH CONTROLS SHALL BE LOCATED ON OPEN SIDE OF TOILET |
| D GRAB BAR, TOP OF BAR | 18" TO 20" SUGGESTED | 20" TO 25" SUGGESTED | 25" TO 27" SUGGESTED | 33" MIN TO 36" MAX | |
| E TOILET PAPER DISPENSER, HEIGHT TO OUTLET | 14" SUGGESTED | 14" TO 17" SUGGESTED | 17" TO 19" SUGGESTED | 19" MIN | CENTERLINE OF DISPENSER OUTLET SHALL BE BETWEEN 7" TO 9" IN FRONT OF THE TOILET. OUTLET OF DISPENSER MUST BE BELOW GRAB BAR. DISPENSER (INCLUDING FULL TOILET PAPER ROLL) MUST NOT ENCR OACH INTO REQ'D GRAB BAR CLEARANCE |
| F TOILET SEAT COVER, HEIGHT TO TOP OF OUTLET | 24" TO 32" SUGGESTED | 30" TO 32" SUGGESTED | 32" TO 36" SUGGESTED | 40" MAX | |
| G URINAL, LIP HEIGHT | 12" TO 13" SUGGESTED | 13" TO 15" SUGGESTED | 15" TO 17" SUGGESTED | 17" MAX | |
| H URINAL, HEIGHT OF FLUSH HANDLE | 36" MAX | 36" MAX | 36" MAX | 44" MAX | |
| I LAVATORY, HEIGHT TO HIGHEST POINT AT FRONT OF LAV OR COUNTER | 24" TO 28" SUGGESTED | 31" MAX | 31" MAX | 34" MAX | |
| J LAVATORY, VERTICAL KNEE CLEARANCE | | 24" MIN | 24" MIN | 29" 27" OVER THE 8" DEPTH SHOWN | |
| K MIRROR (ABOVE LAVATORY OR COUNTER TOP), LOWEST POINT OF REFLECTIVE SURFACE | 24" TO 32" SUGGESTED | 30" TO 32" SUGGESTED | 32" TO 36" SUGGESTED | 40" MAX | MIRROR NOT LOCATED ABOVE LAVATORY OR COUNTER TOP SHALL BE MOUNTED SO THAT LOWEST EDGE OF REFLECTING SURFACE IS 35" MAX ABOVE FINISH FLOOR |
| L DISPENSERS, DRYERS, HEIGHT TO TOP OF OUTLET, HANDLE OR OPERATING MECHANISM (WHICHEVER IS HIGHEST) | 24" TO 32" SUGGESTED | 30" TO 32" SUGGESTED | 32" TO 36" SUGGESTED | 40" MAX | |
| M LO DRINKING FOUNTAIN, HEIGHT TO BUBBLER | 24" TO 30" SUGGESTED | 30" TO 32" SUGGESTED | 32" TO 36" SUGGESTED | 36" MAX | |
| N HI DRINKING FOUNTAIN, HEIGHT TO BUBBLER | same as ADULT | same as ADULT | same as ADULT | 38" MIN TO 43" MAX | |

NOTES:
1 THIS TABLE AND RELATED DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF CALIF TITLE 24 (2013) C B C SECTION 11B-601 AND IS SHOWN HERE ONLY AS AN AID FOR CONSTRUCTION AND INSTALLATION
2 ACCESSORIES ARE NOT IN MANUFACTURER'S SCOPE OF WORK
3 DIMENSIONS GIVEN ARE FROM FACE OF FINISH, UNLESS OTHERWISE NOTED
4 NOT ALL ITEMS LISTED MAY OCCUR IN THE PROJECT
5 HEIGHTS CHOSEN FOR CHILDREN'S WATER CLOSETS & ACCESSORIES SHALL BE CONSISTENTLY APPLIED FOR THE AGE GROUP



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PRE-CHECKED SET NAME

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

SITE SPECIFIC PROJECT NAME

SHEET TITLE

PLUMBING DETAILS
&
ACCESSIBLE DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

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ORIGINAL PC STATE AGENCY APPROVAL

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PC 02-115700
AC:
DATE: 8-31-2018

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CODE 2016 CBC
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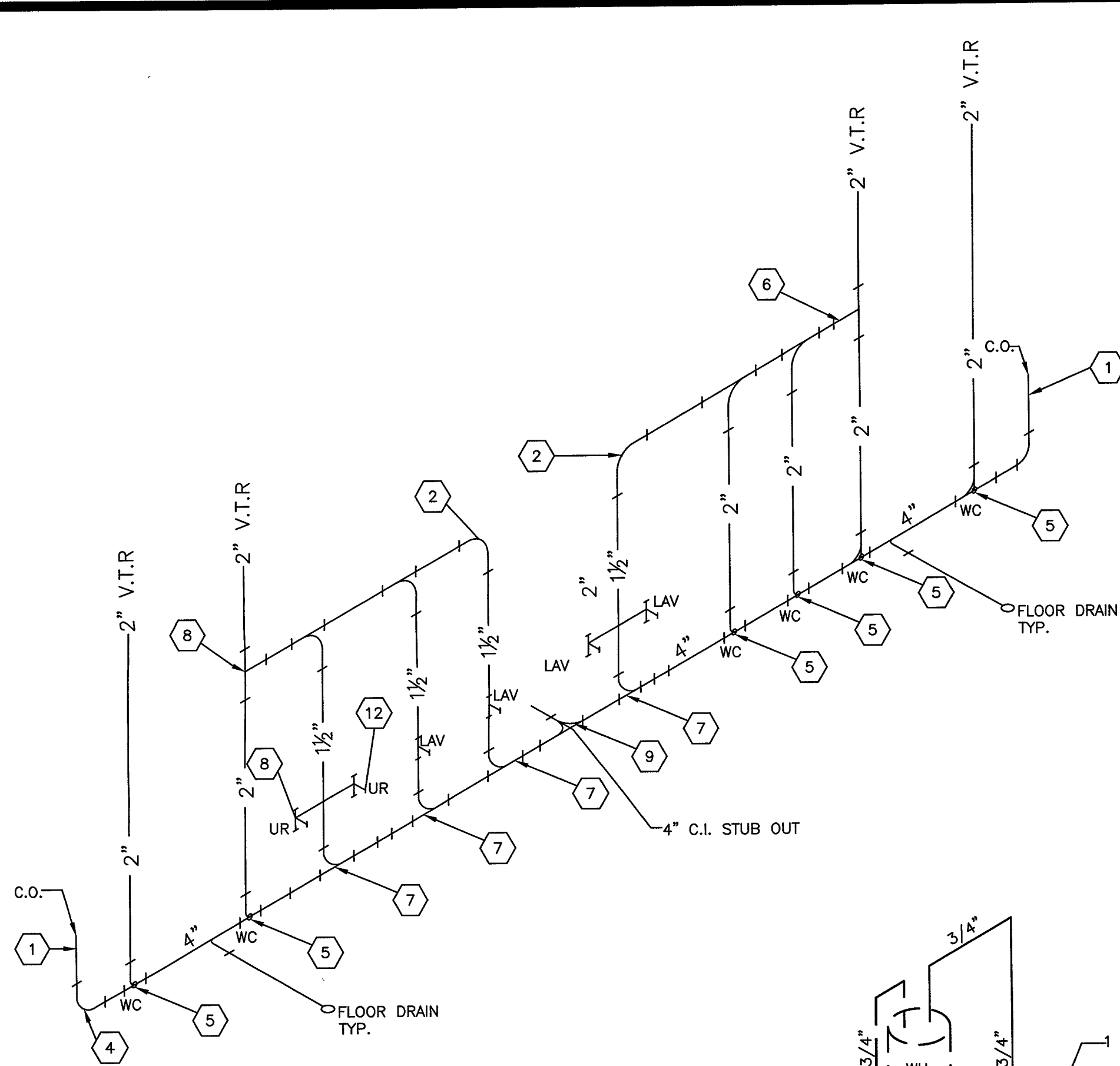
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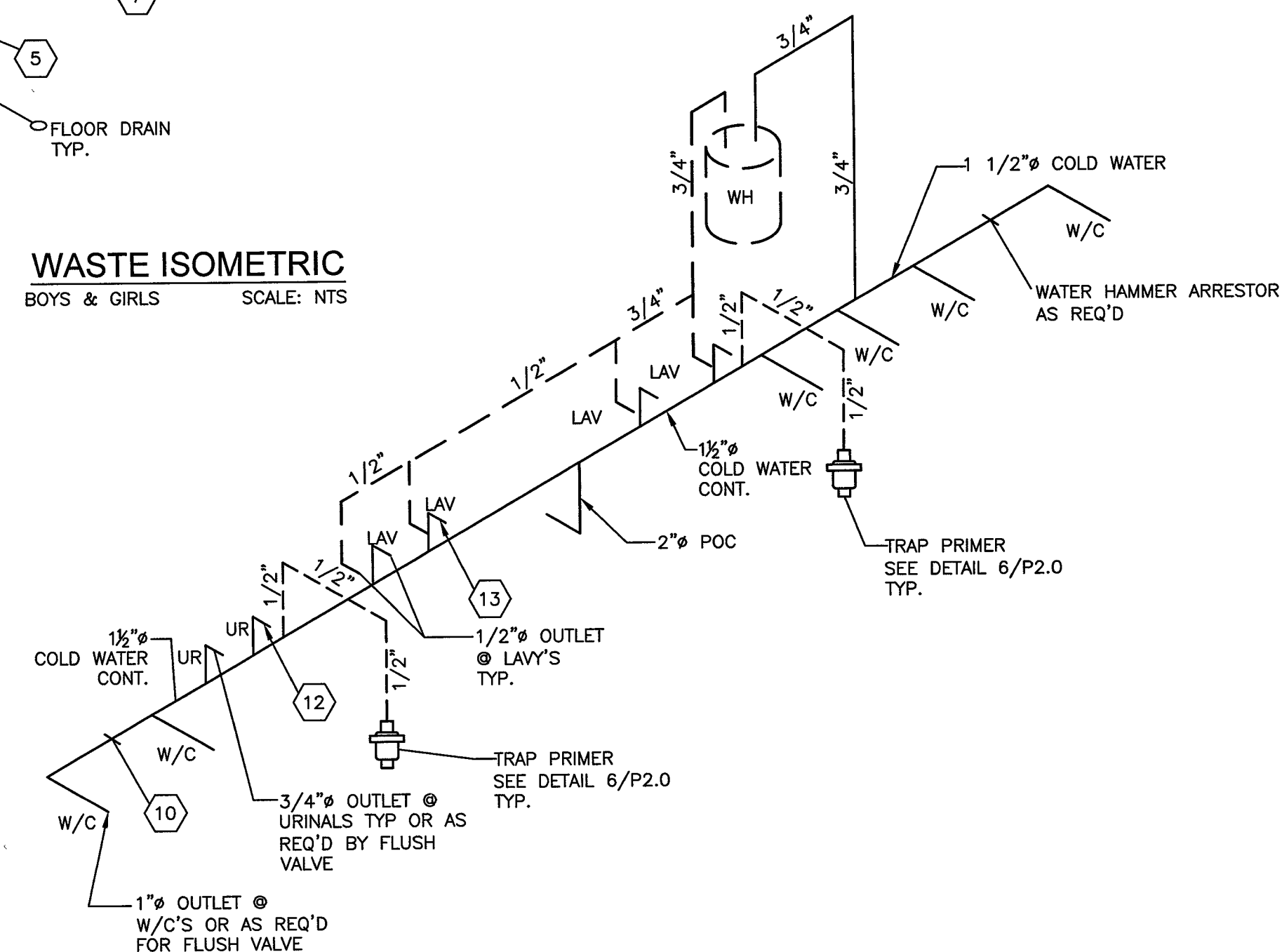
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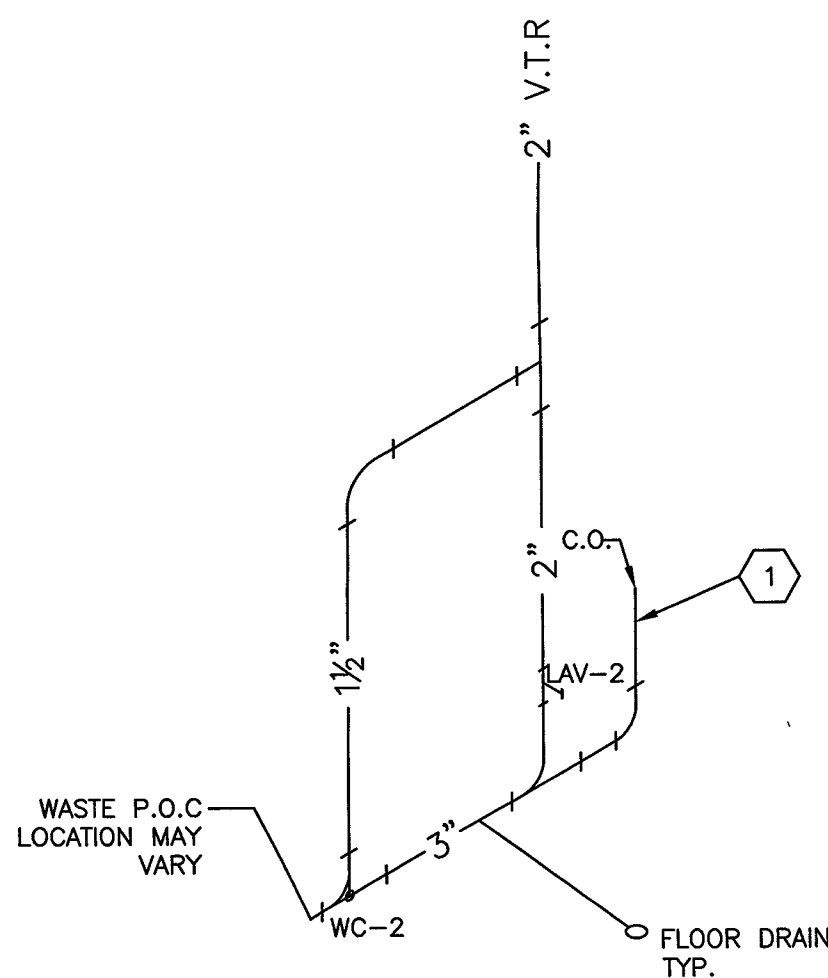
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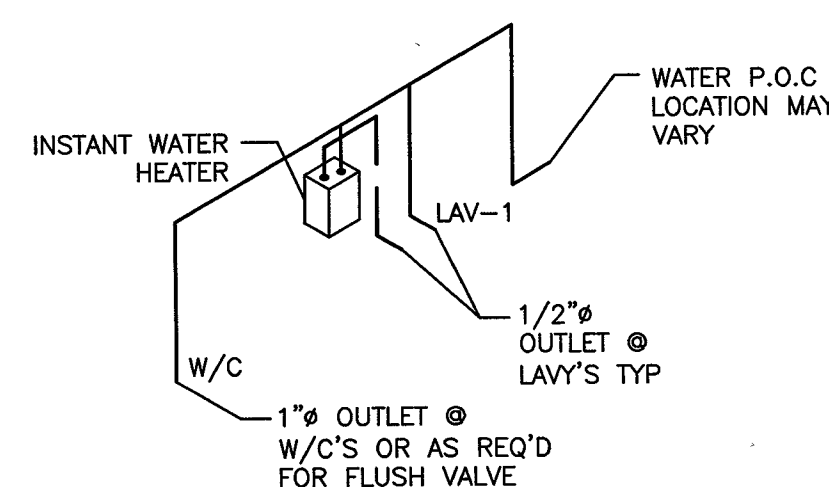
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BOYS & GIRLS SCALE: NTS



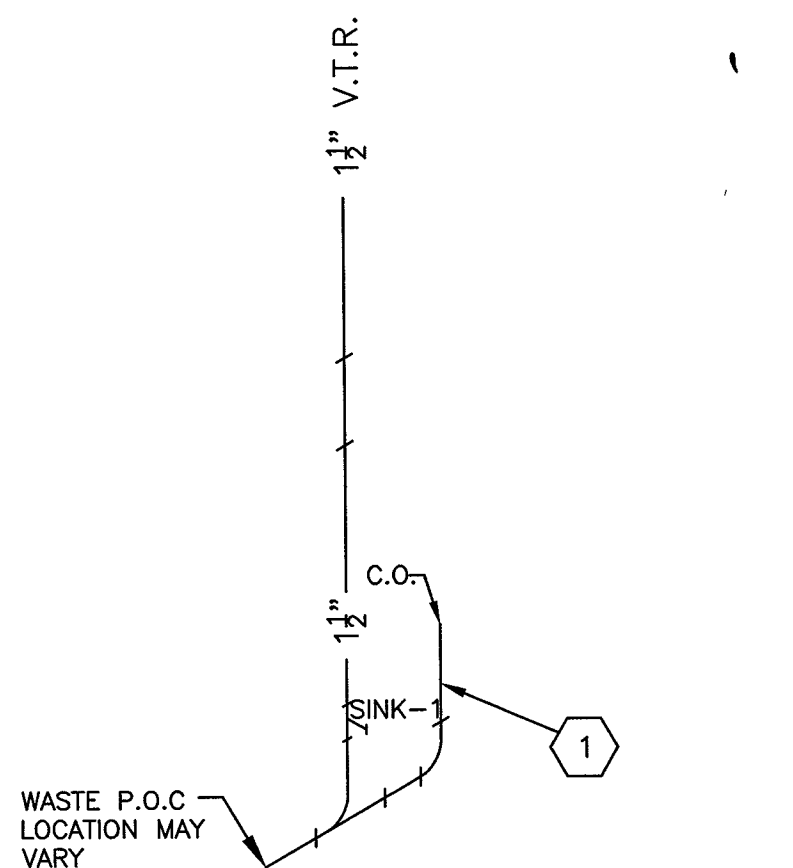
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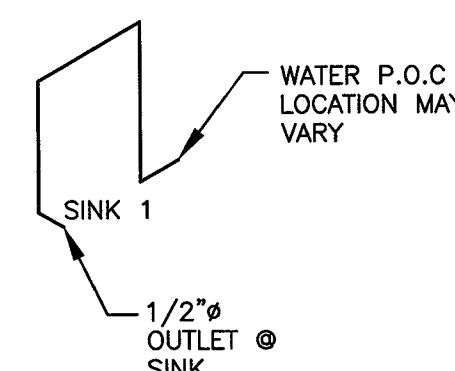
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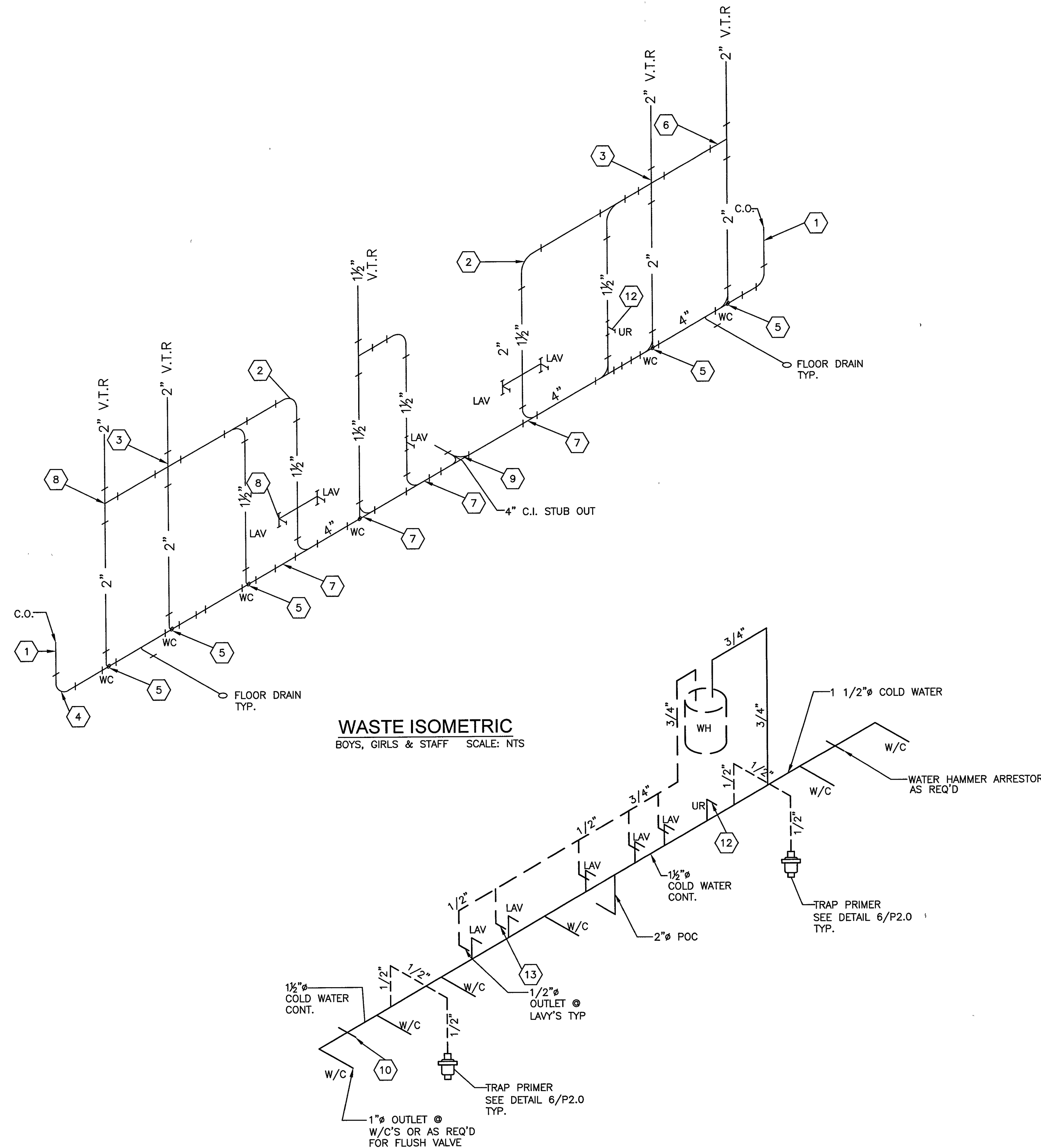
WATER SUPPLY ISOMETRIC
SINGLE TOILET OPTION SCALE: NTS



WASTE ISOMETRIC
CLASSROOM SINK OPTION SCALE: NTS



WATER SUPPLY ISOMETRIC
CLASSROOM SINK OPTION SCALE: NTS



WASTE ISOMETRIC
BOYS, GIRLS & STAFF SCALE: NTS

WATER SUPPLY ISOMETRIC
BOYS, GIRLS & STAFF SCALE: NTS

KEY NOTES

- 1 4" CLEAN OUT
- 2 VENT 90
- 3 VENT CROSS
- 4 4" QUARTER BEND
- 5 SMITH#0600 CARRIER
- 6 2" SANITARY TAP TEE
- 7 4x4x2 COMBINATION WYE 1/8 BEND
- 8 2x2x1 1/2 SANITARY TEE
- 9 4" DOUBLE COMBINATION
- 10 2"x18" LONG CU AIR CHAMBER
- 11 1" CW STUB AT WATER CLOSETS
- 12 3/4" CW STUB AT URINALS
- 13 1/2" CW STUB AT LAVATORIES

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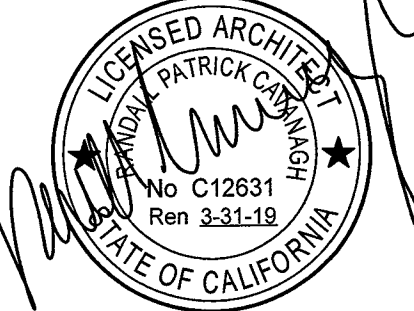
**24'x40' THRU 120'x40'
STANDARD MODULAR
BUILDINGS**

SITE SPECIFIC PROJECT NAME

SHEET TITLE

**PLUMBING
ISOMETRICS DRAWINGS**

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