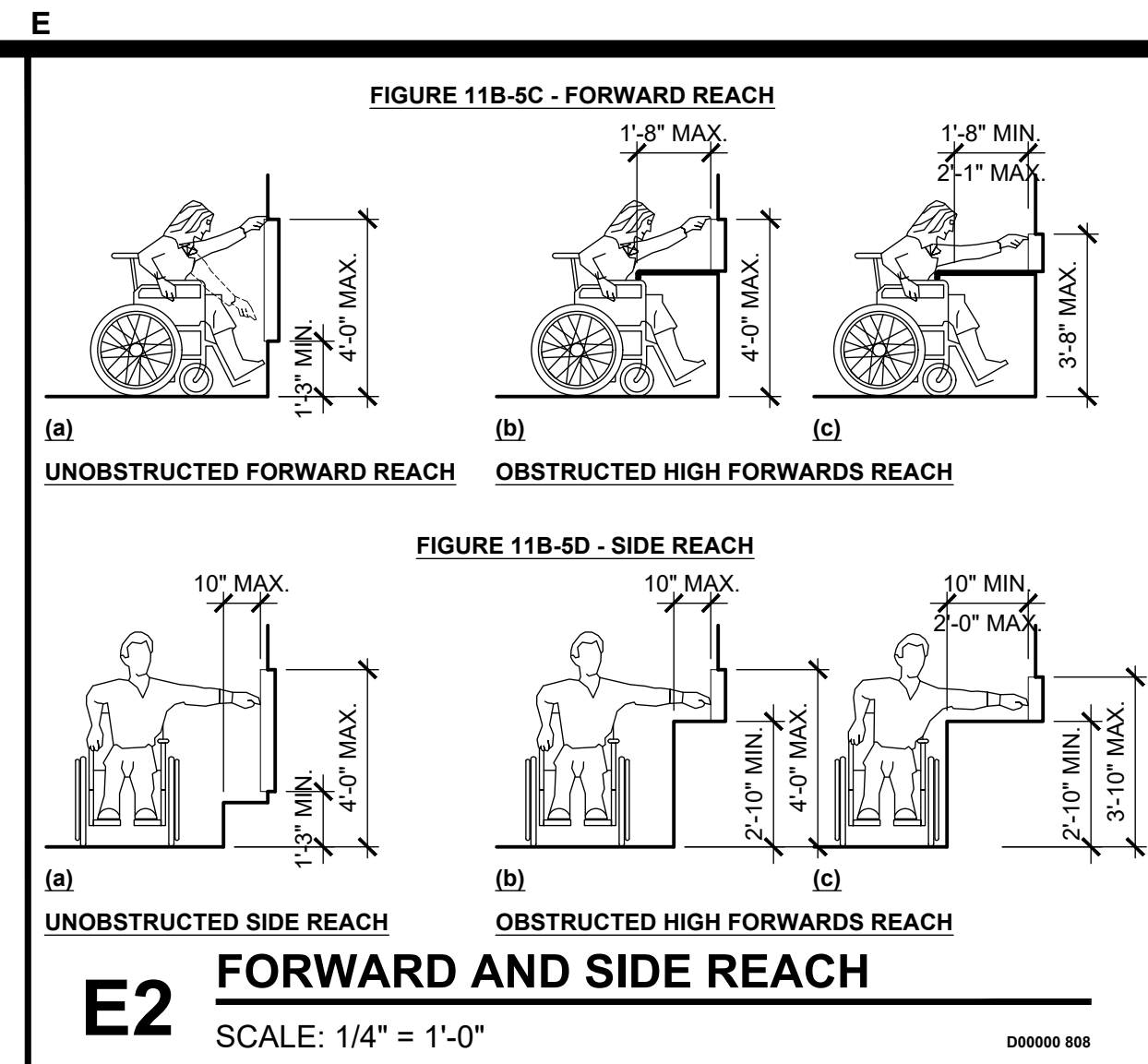


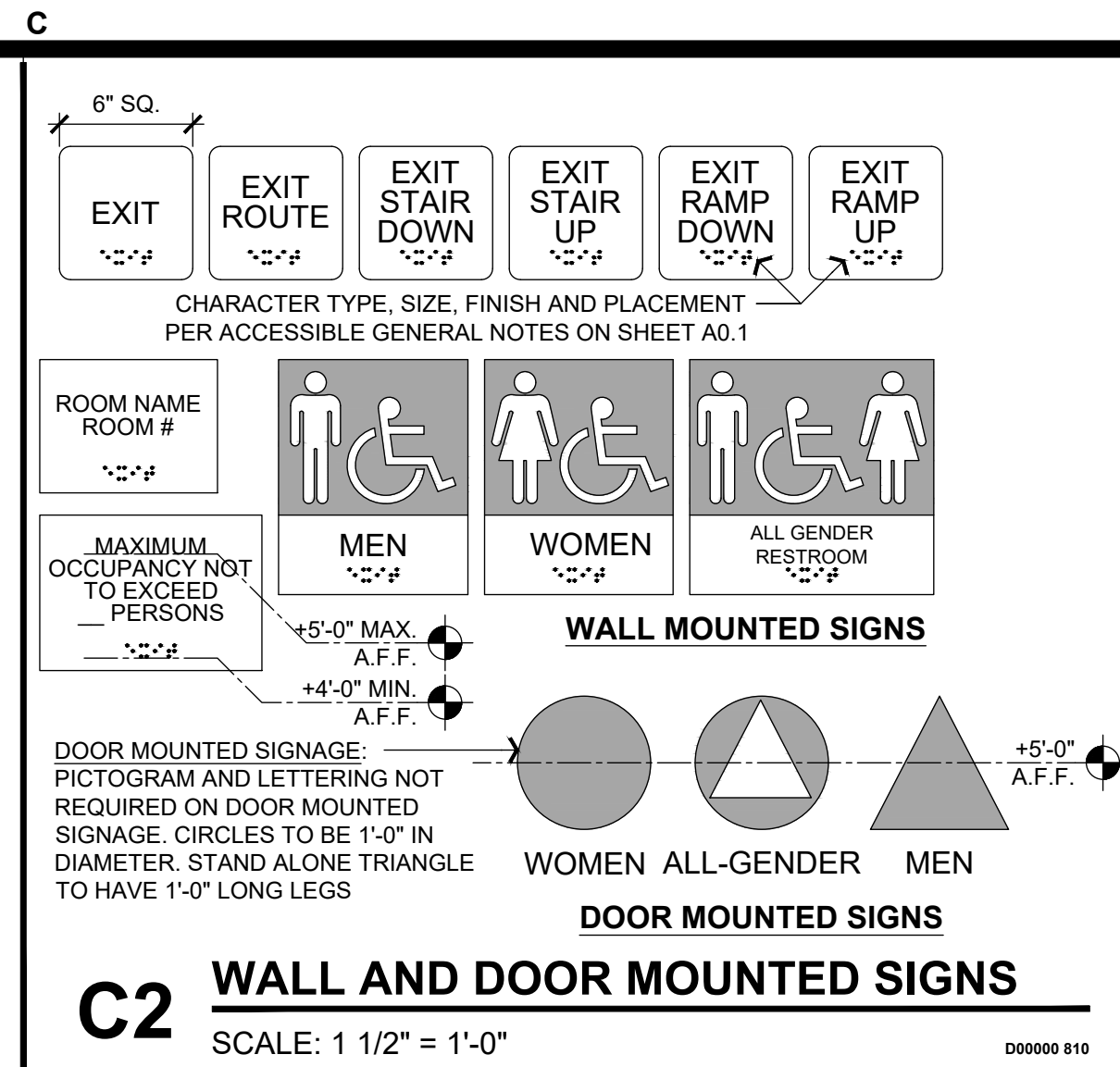
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E2



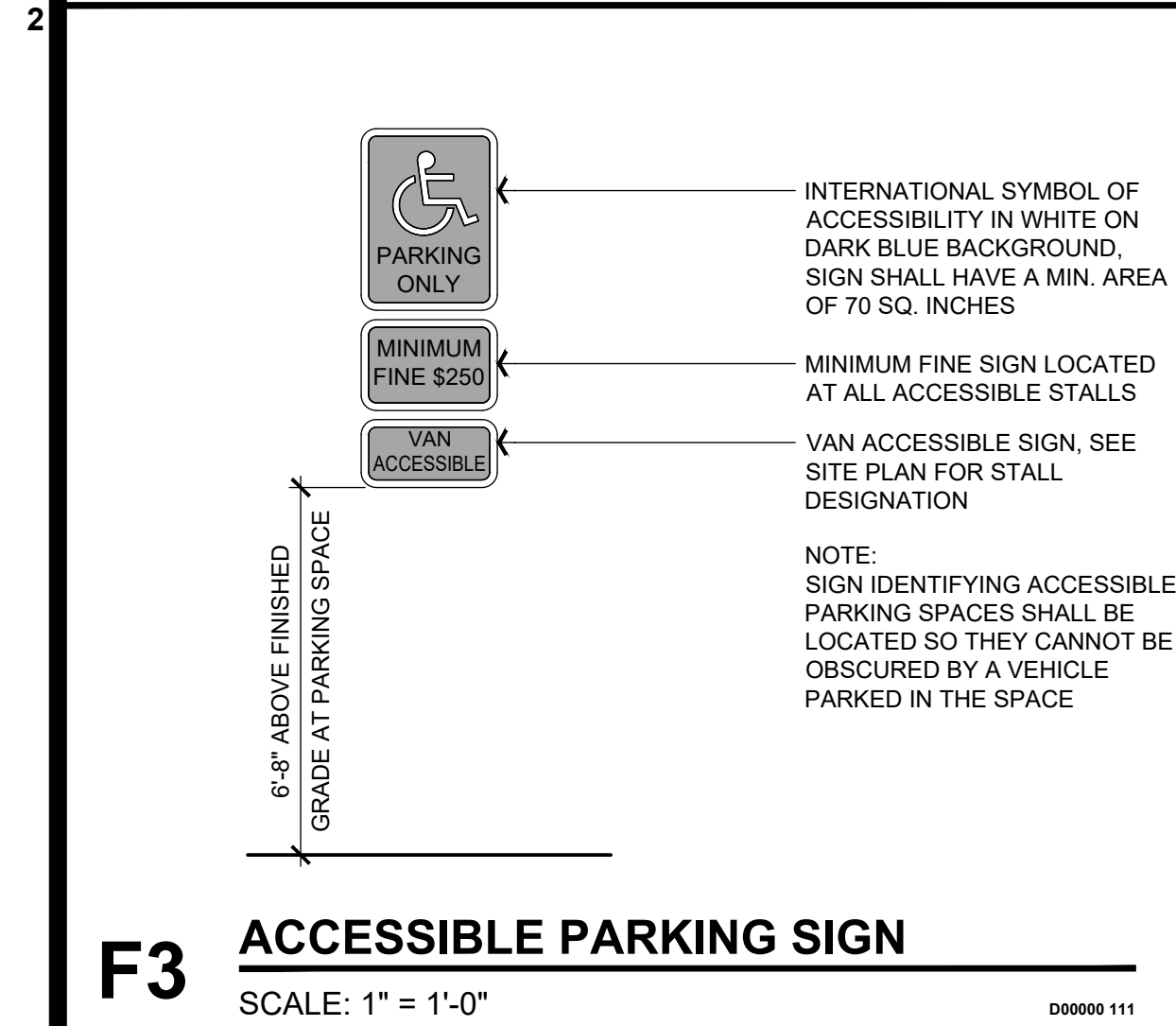
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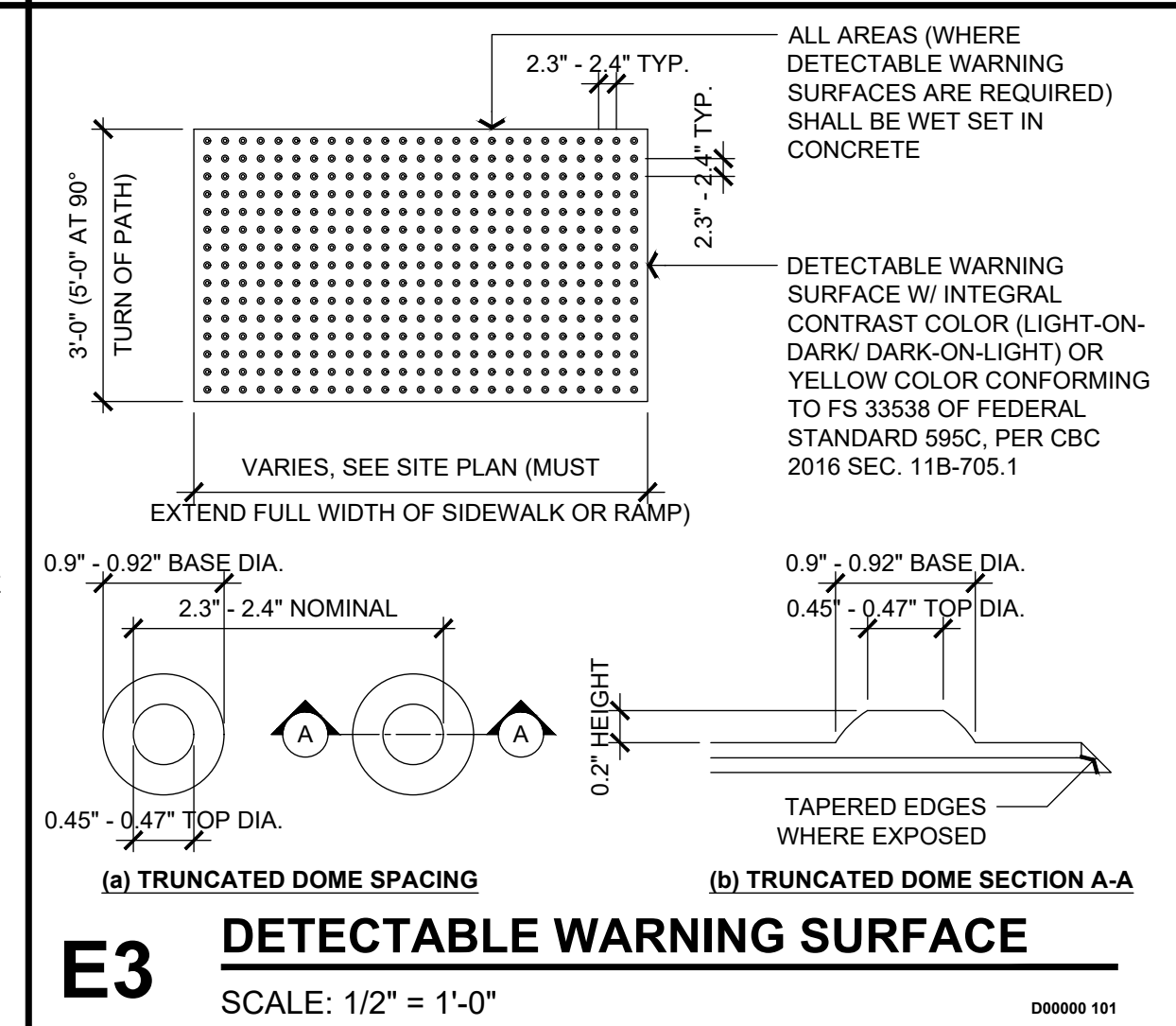
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ACCESSIBILITY GENERAL NOTES

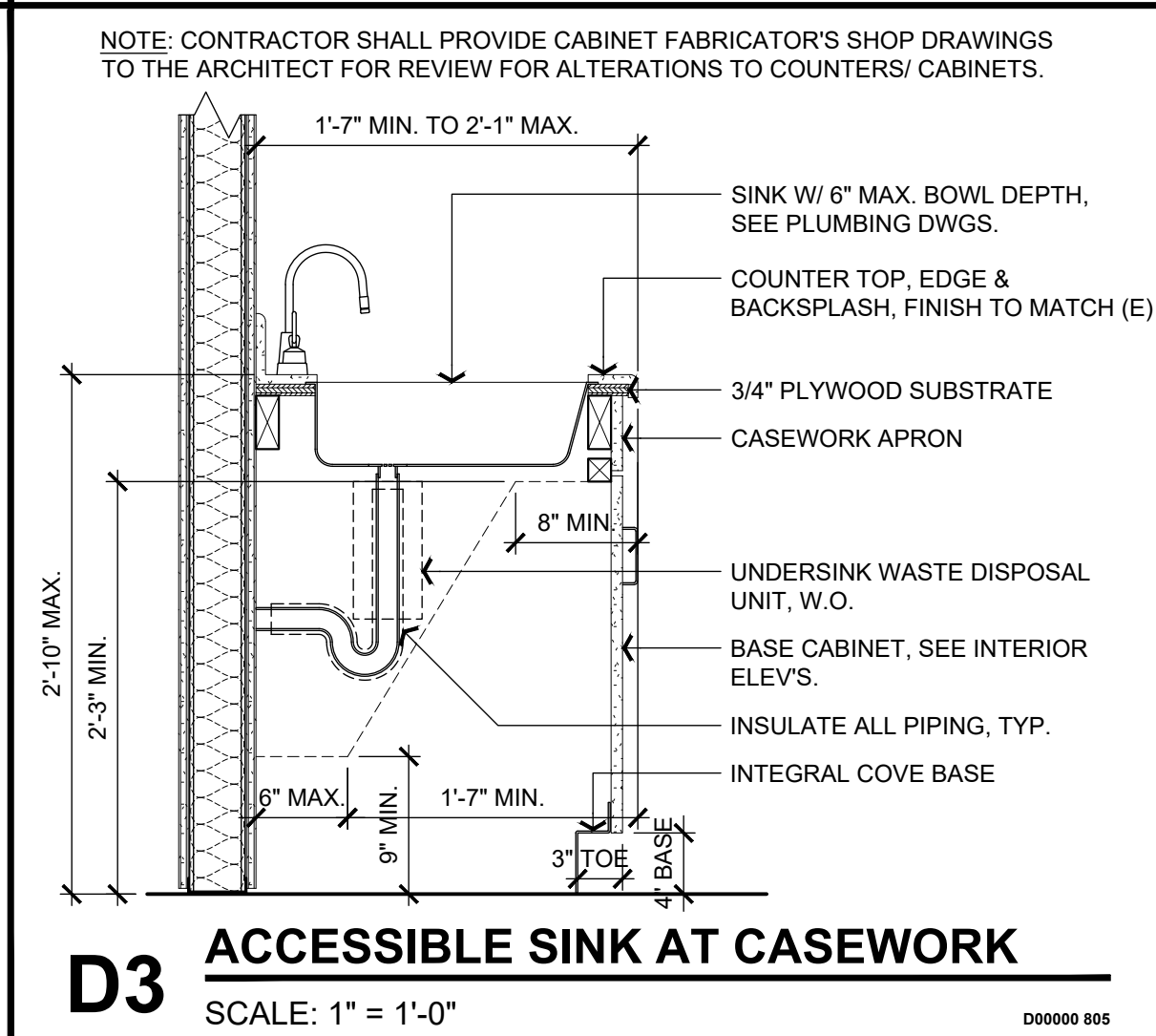
- RAMP (INCLUDES ALL APPROACHES TO ANY BUILDING ENTRY):
 - MINIMUM WIDTH 4'-0". IF MAIN ENTRANCE OCCUPANT LOAD IS OVER 300 MIN. WIDTH 5'-0".
 - MAXIMUM SLOPE FOR EXIT RAMPS 8.33% (1:12). MAX. CROSS-SLOPE IS 2% (1:48).
 - 1-1/2" DIA. ROUND PIPE HANDRAILS AT +2'-10", BOTH SIDES OF RAMP ARE REQUIRED ON ALL RAMP SLOPES STEEPER THAN 1:20. ENDS OF HANDRAIL SHALL BE EITHER ROUNDED OR RETURNED SMOOTH TO FLOOR. WALL OR POST AND MUST ALSO EXTEND 12" BEYOND THE END OF THE RAMP.
 - PROVIDE "TWO SIDES" OF RAMP IS OVER 10'-0" LONG AND IS NOT NEXT TO A WALL OR FENCE. PROVIDE 2" HIGH CURB AT EACH SIDE OR A CONTINUOUS BOTTOM RAIL CENTERED AT +3" ABOVE RAMP SURFACE.
 - PROVIDE A 6'-0" LANDING AT EVERY RAMP DIRECTION CHANGE AND AT EVERY 2'-6" OF VERTICAL RISE MAXIMUM. MAX HORIZONTAL RUN FOR SLOPES BETWEEN 8.33% (1:12) TO 6.25% (1:16) OR LESS, IS 30'-0". FOR SLOPES 6.25% (1:16) TO 5% (1:20) OR LESS, IS 40'-0".
 - EXTERIOR RAMPS AND THEIR APPROACHES SHALL NOT ACCUMULATE WATER ON WALKING SURFACES.
 - LANDINGS AT ALL PRIMARY ENTRIES AND EXITS SHALL HAVE A MIN. 6'-6" LANDING WITH A MAX. SLOPE OF 1/4" PER FOOT (2%) IN ANY DIRECTION.
- EXTERIOR WALKS AND SIDEWALKS:
 - 4'-0" WIDE MIN. CLEAR, NOT INCLUDING VEHICLE OVERHANG.
 - 2% (1:48) PER FOOT CROSS SLOPE MAX.
 - GRATINGS LIMITED TO THOSE WITH 1/2" OPENINGS. IF GRATINGS HAVE ELONGATED OPENINGS, THEN THEY SHALL BE PLACED SO THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT PATH OF TRAVEL.
 - SLOPE IN DIRECTION OF TRAVEL SHALL NOT BE OVER 5% (1:20). FOR SLOPES OVER 5% SEE RAMP NOTES.
 - NO LEVEL CHANGES GREATER THAN 1/2" IN ANY DIRECTION. FOR LEVEL CHANGES BETWEEN 1/4" AND 1/2", EDGE SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
 - AT GATES AND SIMILAR CONDITIONS PROVIDE 5'-0" x 5'-0" FLAT AREA (2" OR 1/4" MAX. SLOPE). SEE ACCESSIBLE DOOR STANDARDS.
 - IF ADJACENT SLOPES ARE LESS THAN 5% AND ADJACENT ELEVATION DROP IS LESS THAN 1", WHEEL GUIDES ARE NOT REQUIRED. SEE ACCESSIBLE RAMP NOTES.
 - ALL OBJECTS HANGING OVER ANY WALKS MUST BE HIGHER THAN 6'-8". OBJECTS PROJECTING FROM WALLS WITH LEADING EDGES BETWEEN 2'-3" AND 6'-8" ABOVE FINISH FLOOR SHALL NOT PROTRUDE MORE THAN 4" INTO WALKS. OBJECTS AT OR BELOW 2'-3" MAY PROTRUDE ANY AMOUNT.
- CONTROLS
 - SINKS REQUIRED TO BE ACCESSIBLE SHALL HAVE FAUCET CONTROLS AND OPERATING MECHANISMS THAT ARE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS (22.2N). LEVER-OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
 - FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST AND SHALL BE MOUNTED NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS (22.2N). ELECTRONIC AUTOMATIC FLUSHING CONTROLS ARE ACCEPTABLE AND PREFERABLE.
 - SEE DETAIL E5/A0.1 FOR MOUNTING HEIGHTS FOR OPERABLE CONTROLS.
- TACTILE SIGNAGE (GENERALLY):
 - WHERE TACTILE SIGNS ARE REQUIRED, THEY SHALL INCLUDE RAISED LETTERS AND BRAILLE.
 - RAISED CHARACTERS SHALL BE:
 - RAISED 1/8" ABOVE THEIR BACKGROUND.
 - UPPERCASE.
 - SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE OR OF AN UNUSUAL FORM.
 - THE WIDTH OF THE LETTER "O" SHALL BE FROM 60% TO 110% OF THE HEIGHT OF THE UPPER CASE LETTER "I".
 - THE CHARACTERS SHALL BE 3/8" MIN. AND 2" MAXIMUM.
 - STROKE THICKNESS OF THE UPPER CASE LETTER "I" SHALL BE 15% MAXIMUM OF THE CHARACTER HEIGHT.
 - WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTION, SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 1/8" MINIMUM AND 4 TIMES THE STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTION, SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 1/16" MINIMUM AND 4 TIMES THE STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTION AND 1/8" MINIMUM AND 4 TIMES THE STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTION. CHARACTERS SHALL BE SEPARATED FROM RAISE BORDERS AND DECORATIVE ELEMENTS BY 3/8" MINIMUM.
 - SPACING BETWEEN SEPARATE BASELINES OF MULTI-LINE TEXT SHALL BE FROM 135% TO 170% OF THE RAISED CHARACTER HEIGHT.
 - BRAILLE SHALL BE:
 - CONTRACTED, TYPE II BRAILLE.
 - THE INDICATION OF AN UPPER CASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST LETTER OF SENTENCES, PROPER NOUNS AND NAMES. INDIVIDUAL LETTERS, INITIALS AND ACRONYMS.
 - DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 118-703.3.1.
 - POSITIONED BELOW THE ENTIRE TEXT IN A HORIZONTAL FORMAT, EITHER FLUSH LEFT OR CENTERED.
 - SEPARATED 3/8" MIN. AND 1/2" MAX. FROM OTHER TACTILE CHARACTERS AND 3/8" MIN. FROM OTHER DECORATIVE BRAILLE ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 3/16" MINIMUM AND SHALL BE LOCATED DIRECTLY BELOW THE CORRESPONDING RAISED CHARACTER OR SYMBOL.
 - WHEN PRESENT, PICTOGRAMS ARE TO BE ACCOMPANIED BY THE EQUIVALENT WRITTEN DESCRIPTOR PLACED DIRECTLY BELOW THE PICTOGRAM. SEE DETAIL C2/A0.1 FOR REFERENCE.
 - THE OUTSIDE DIMENSION OF THE PICTOGRAM FIELD TO BE 6" MIN. HIGH.
 - TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 4'-0" MINIMUM ABOVE FINISH FLOOR MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 5'-0" MAXIMUM ABOVE THE FINISH FLOOR MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED TEXT.
 - WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR ON THE LATCH SIDE. AT DOUBLE DOORS, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE THERE ARE TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT SIDE OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF THE DOOR, SIGNS SHALL BE LOCATED AT THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" x 18" CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND THE 45° OPEN POSITION.
- TACTILE SIGNAGE (EXITS):
 - EACH GRADE LEVEL EXTERIOR DOOR SHALL BE IDENTIFIED BY A TACTILE SIGNAGE WITH THE WORD "EXIT" PER DETAIL C2/A0.1.
 - EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE.
 - "EXIT STAIR DOWN".
 - "EXIT RAMP DOWN".
 - EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE". SEE DETAIL C2/A0.1 FOR REFERENCE.
 - EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR STAIRWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE". SEE DETAIL C2/A0.1 FOR REFERENCE.
- ROOM IDENTIFICATION SIGNS ARE REQUIRED TO BE TACTILE PER ITEM "D" ABOVE.



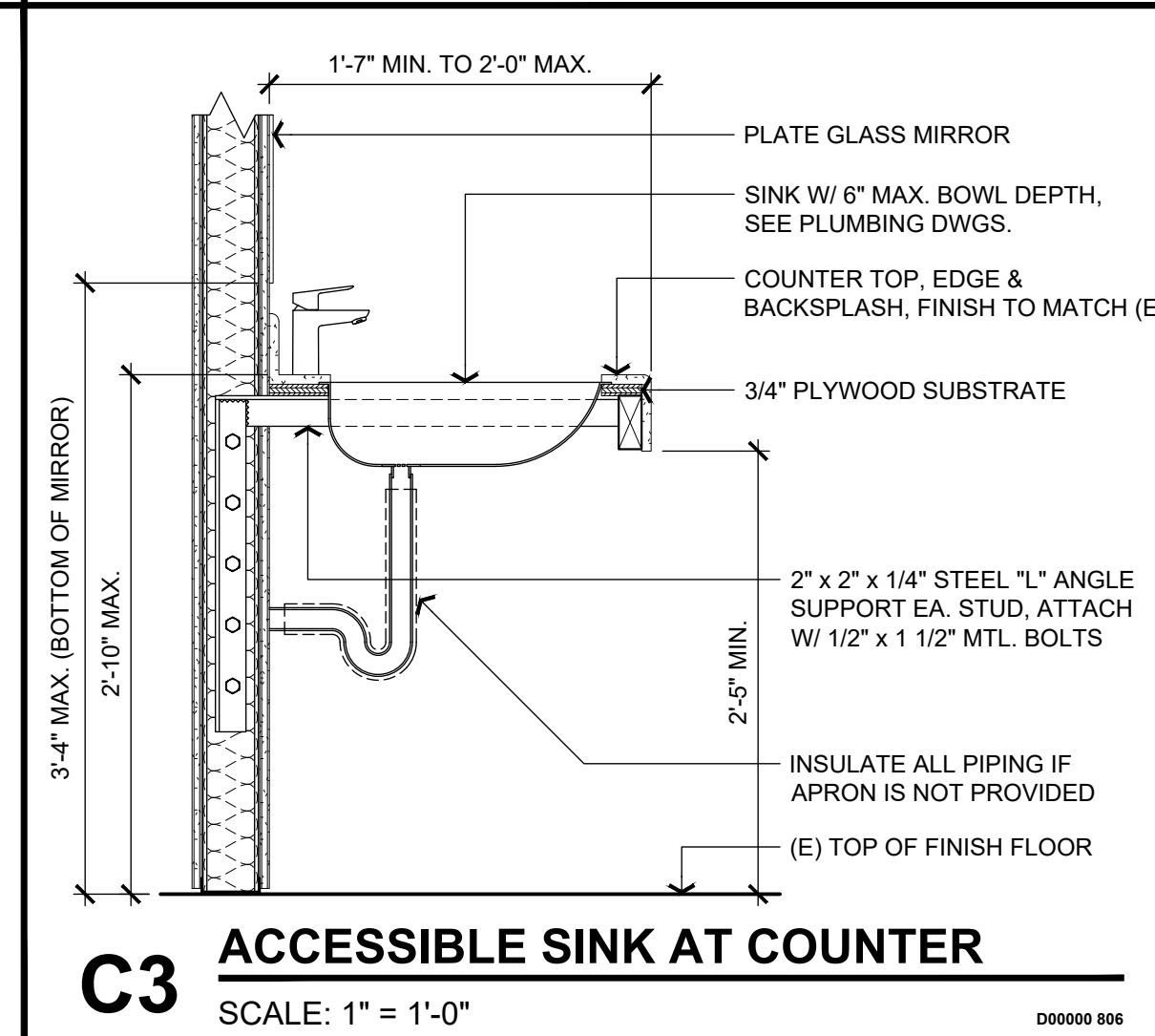
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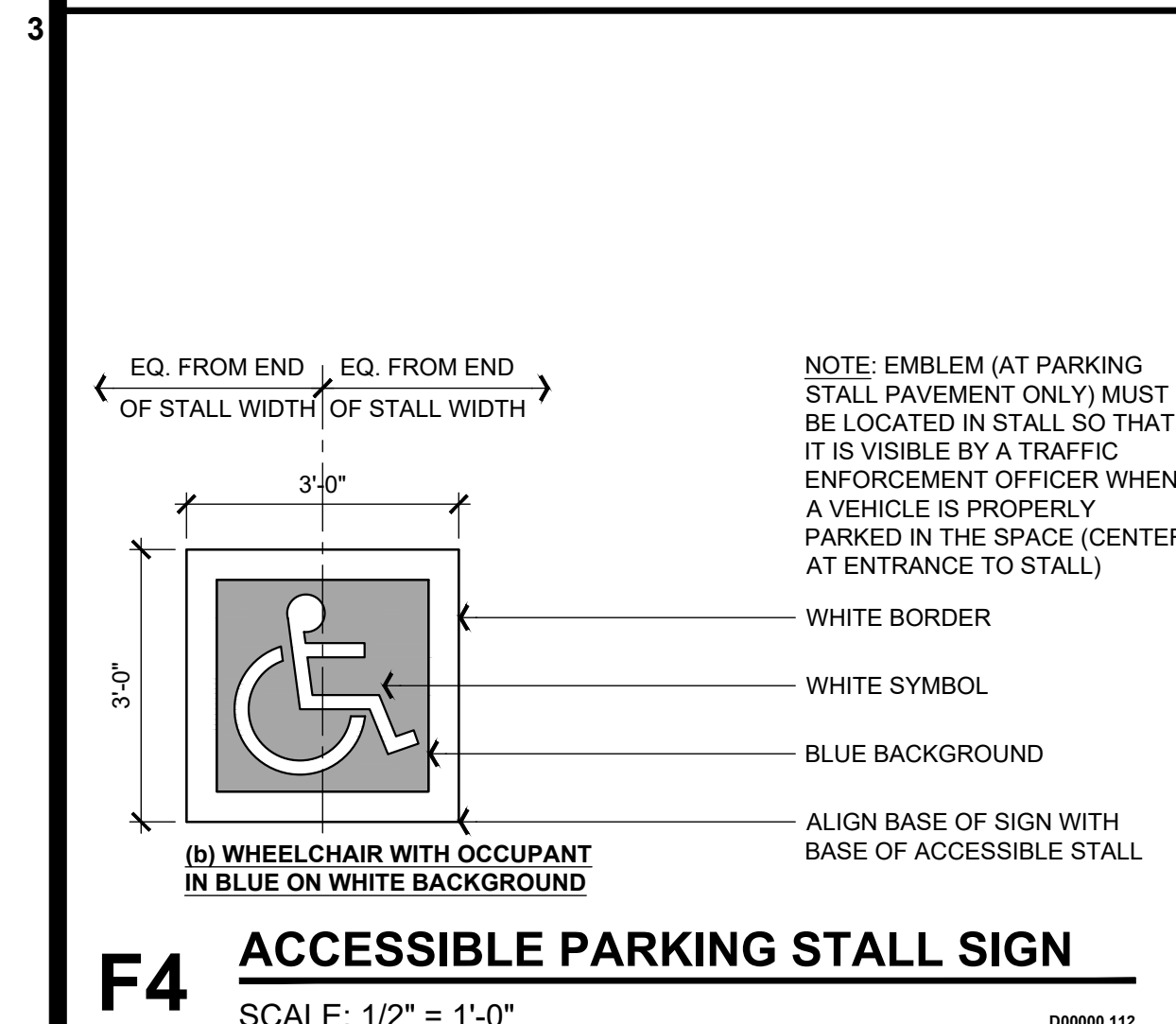
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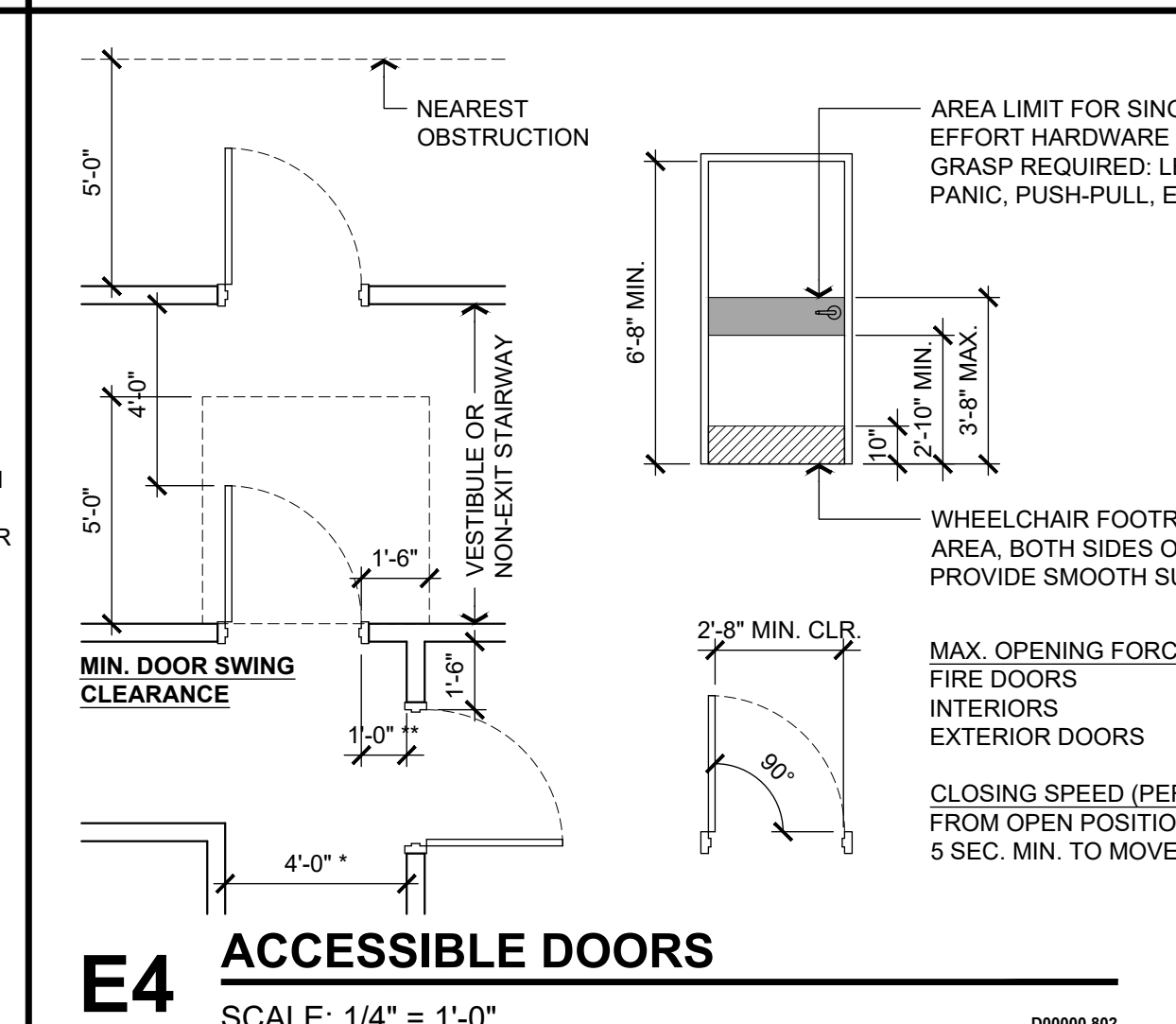
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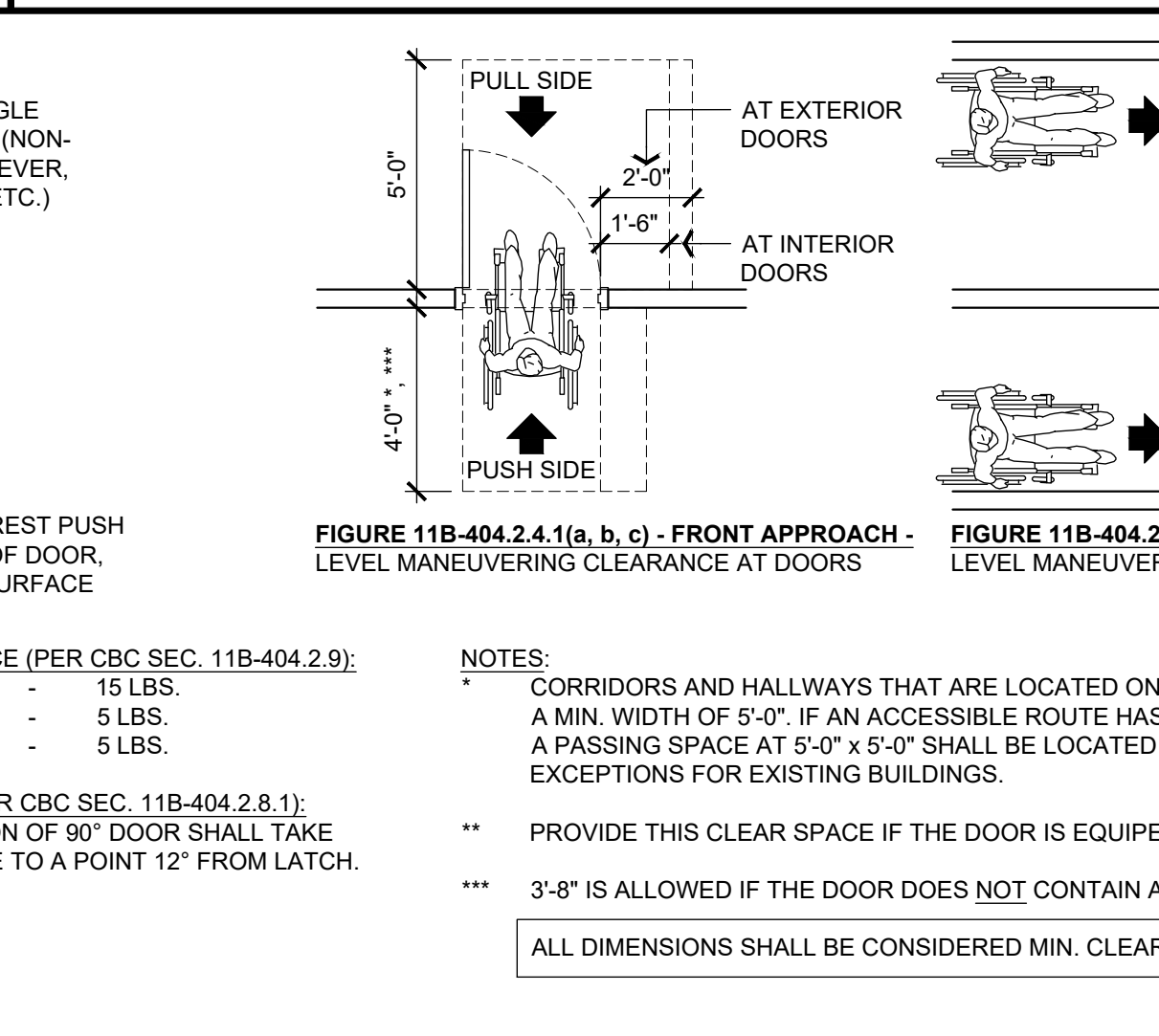
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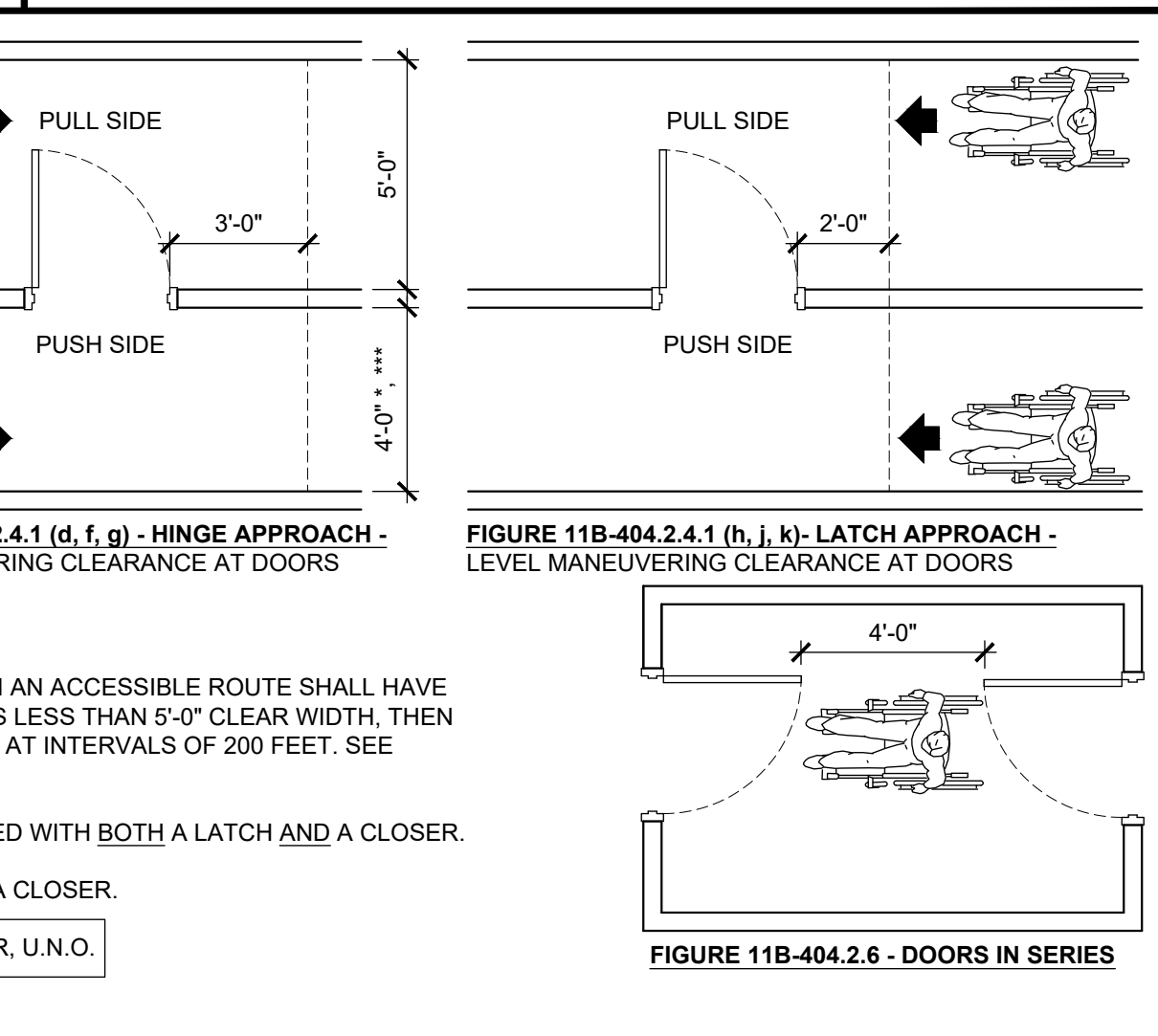
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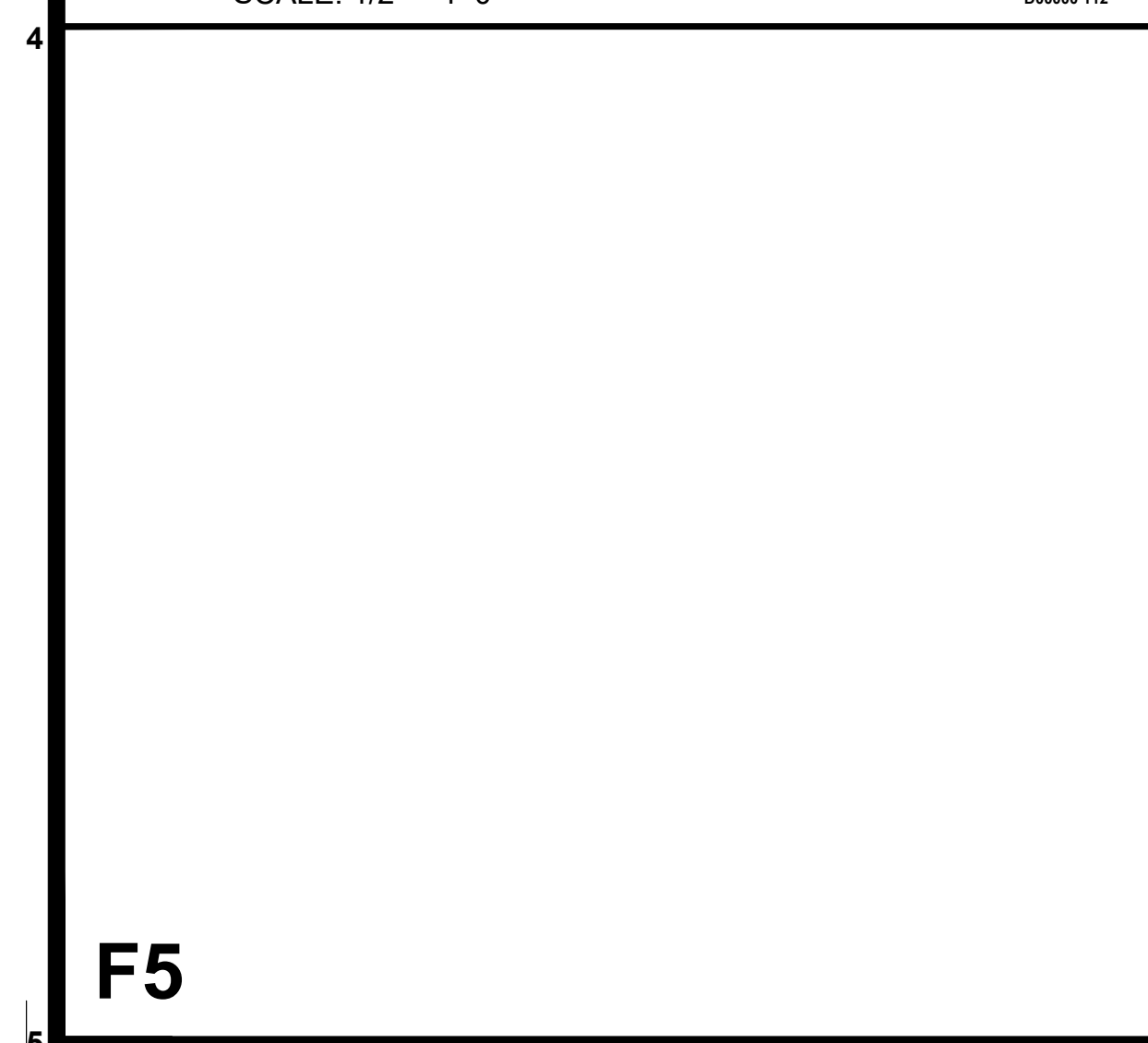
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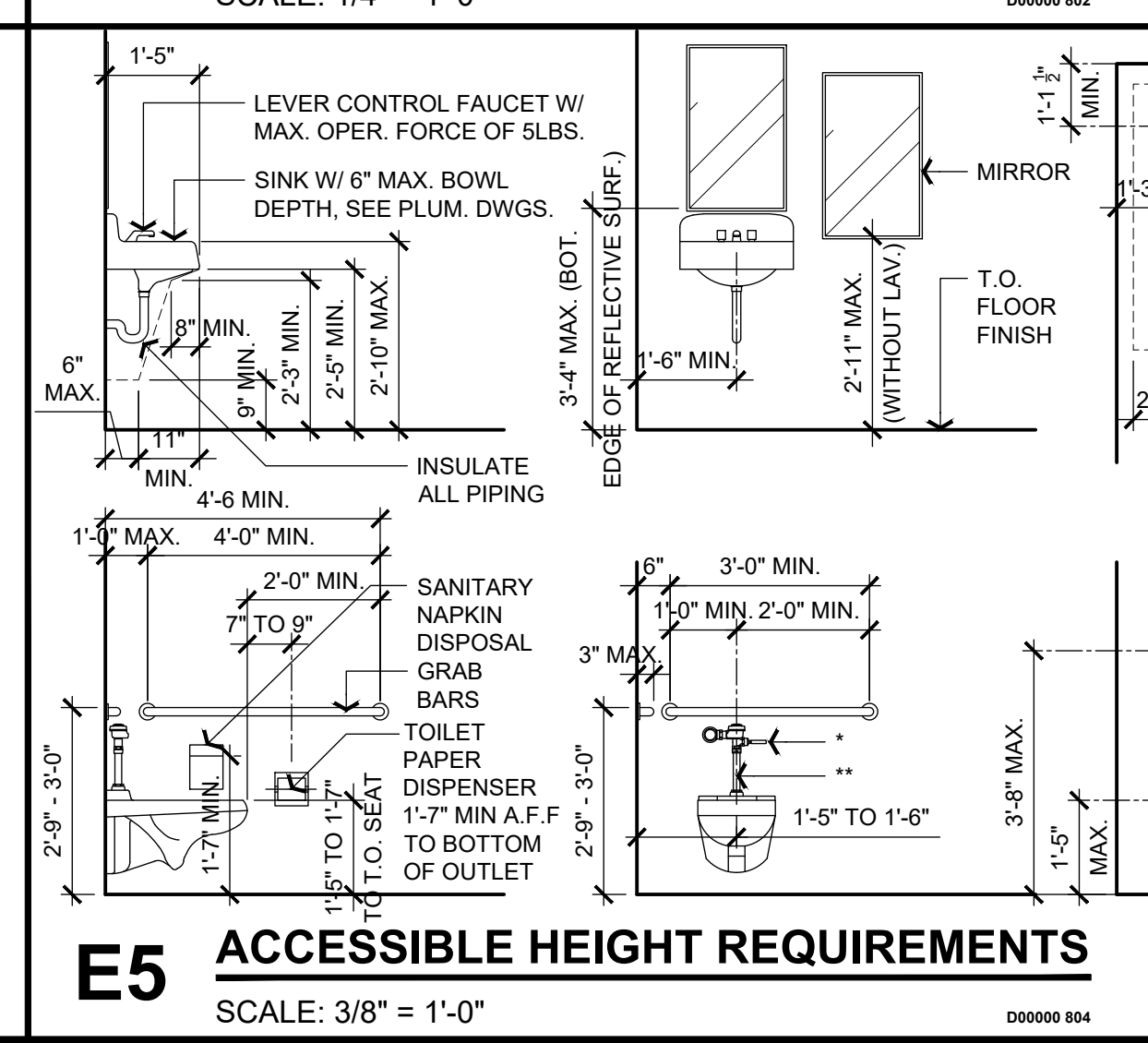
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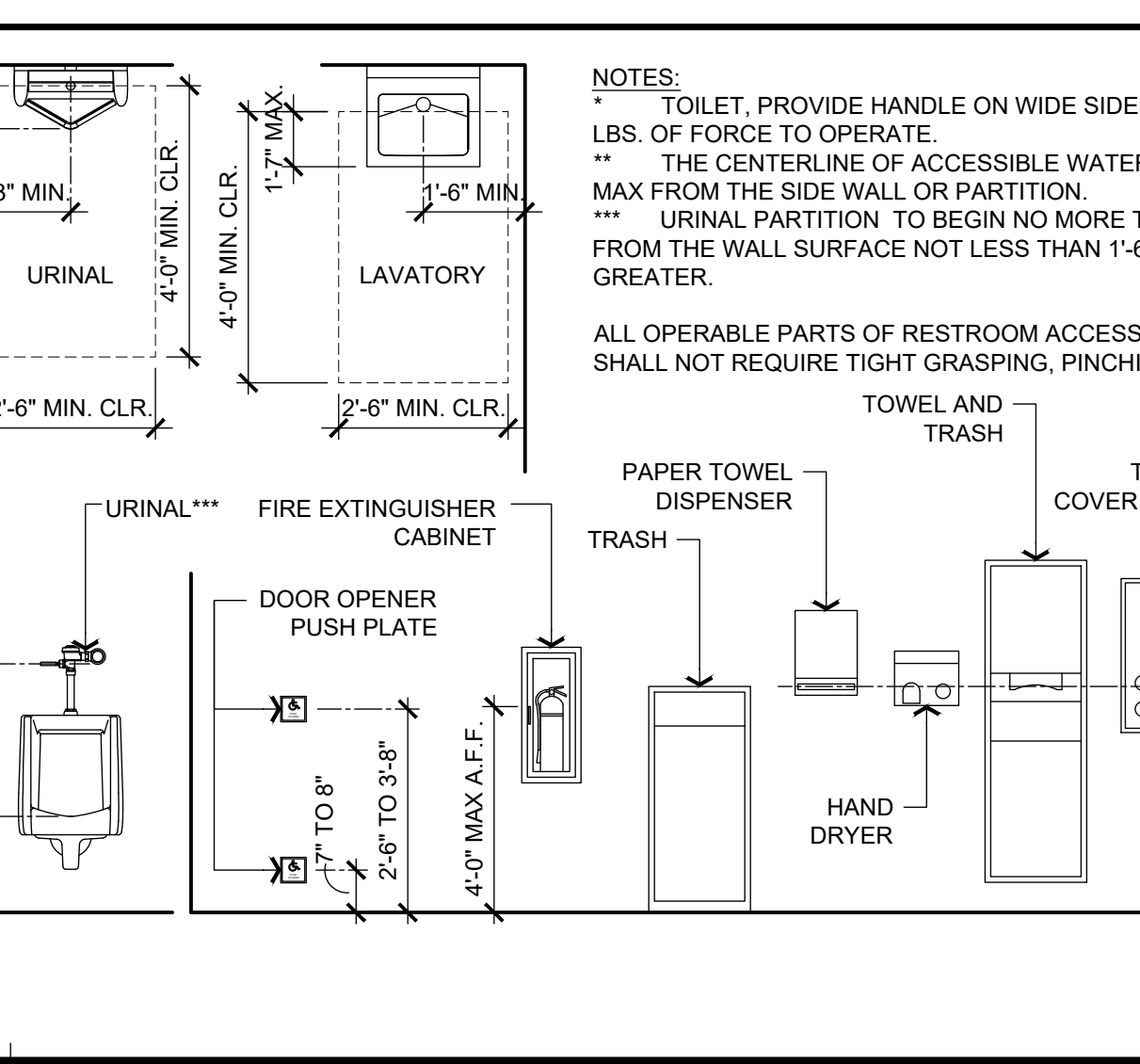
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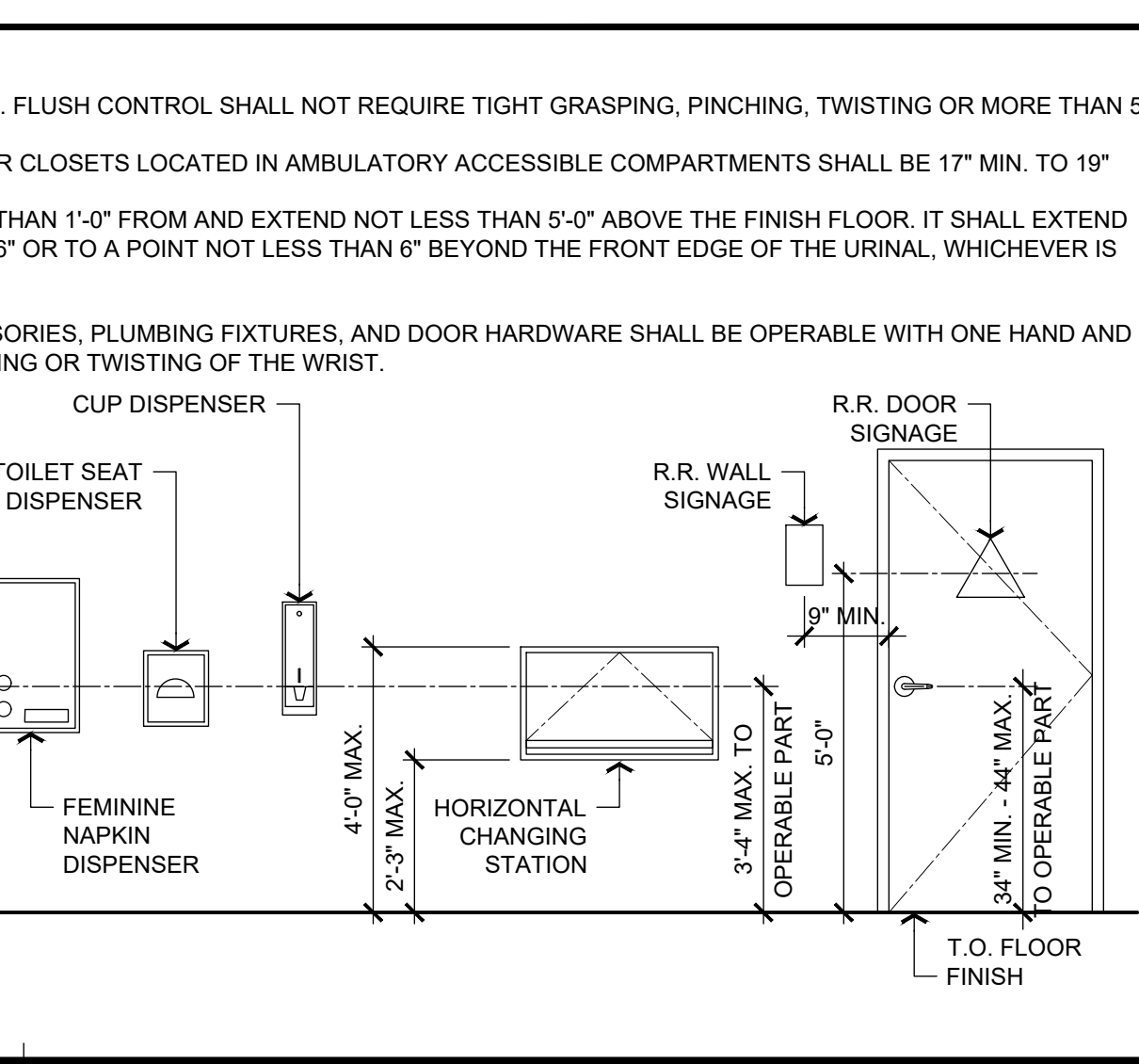
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E5



D3



C3

REVISIONS:

NO.	DATE	DESCRIPTION
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DATE: 06/27/2025
 DRAWN: DH/JDC
 SHEET NO.: 22232
 JOB NO.:
 DATE: 06/27/2025
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JOB TITLE:

CONSTRUCTION DOCUMENTS FOR:
YOLO COUNTY - ROADS BUILDING RENOVATIONS
 284 W. BEAMER STREET
 WOODLAND, CA
 YOLO COUNTY JOB NO. WA24-07-5292
 CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
 ADDRESS: 120 W. MAIN STREET, SUITE D, WOODLAND CA

REVISIONS:

NO.	DATE	DESCRIPTION
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DATE: 06/27/2025
 DRAWN: DH/JDC
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 JOB NO.:

A0.1 ACCESSIBILITY SHEETS

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (July 2024 Supplement)

LEGEND

Legend table with columns for YES, NOT APPLICABLE, RESPONSIBLE PARTY, and ARCHITECT/OWNER.

Table with columns for Y, N/A, RESPON. PARTY and content for CHAPTER 3 GREEN BUILDING, SECTION 301 GENERAL, 301.1 SCOPE, 301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS, SECTION 302 MIXED OCCUPANCY BUILDINGS, SECTION 303 PHASED PROJECTS, ABBREVIATION DEFINITIONS, CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES, DIVISION 5.1 PLANNING AND DESIGN, SECTION 5.101 GENERAL, SECTION 5.102 DEFINITIONS, SECTION 5.105 DECONSTRUCTION AND REUSE OF EXISTING STRUCTURES.

Table with columns for Y, N/A, RESPON. PARTY and content for SECTION 5.106 SITE DEVELOPMENT, 5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND, 5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND, 5.106.3 BICYCLE PARKING, 5.106.4 BICYCLE PARKING, 5.106.5 ELECTRIC VEHICLE (EV) CHARGING.

Table with columns for Y, N/A, RESPON. PARTY and content for TABLE 5.106.5.3.1, TABLE 5.106.5.3.2, TABLE 5.106.5.3.3, TABLE 5.106.5.3.4, TABLE 5.106.5.3.5, TABLE 5.106.5.3.6, TABLE 5.106.5.4, TABLE 5.106.5.5.

Table with columns for Y, N/A, RESPON. PARTY and content for 5.106.5.5 Electric vehicle (EV) charging, 5.106.5.5.1 Electric vehicle charging readiness requirements for warehouses, grocery stores, office buildings, and manufacturing facilities, TABLE 5.106.5.5.1 RACEWAY CONDUIT AND PANEL POWER REQUIREMENTS FOR MEDIUM- AND HEAVY-DUTY EVSE [N], 5.106.5.6 Electric vehicle (EV) charging at public schools and community colleges.



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REVISIONS:

Table with columns for DATE and DESCRIPTION for revisions.

DATE 06/27/2025
DRAWN DH/JDC
JOB NO. 22232
SHEET A0.2 CALGREEN
OF 15 SHEETS



2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (July 2024 Supplement)

LEGEND

Y	NA	RESPON. PARTY	RESPON. PARTY
■	■	■	■
■	■	■	■
■	■	■	■

5.409.2 Whole building life cycle assessment. Projects shall conduct a cradle-to-grave whole building life cycle assessment performed in accordance with ISO 14040 and ISO 14044, excluding operating energy, and demonstrating a minimum 10-percent reduction in global warming potential (GWP) as compared to a reference baseline building of similar size, function, complexity, type of construction, material specification, and location that meets the requirements of the California Energy Code currently in effect. Software used to conduct the whole building life cycle assessment, including reference baseline building, shall have a data set compliant with ISO 14044, and ISO 21930 or EN 15804, and the software shall conform to ISO 21931 and/or EN 15978. The software tools and data sets shall be the same for evaluation of both the baseline building and the proposed building.

Notes:
1. Software for calculating whole building life cycle assessment is available for free at Athena Sustainable Materials Institute (<https://calcalateca.com/software/impact-estimator/>) and OneClick LCA-Planetary (www.oneclicklca.com/planetary). Paid versions include, but are not limited to, Sphera Gabi Solutions (gabi.sphera.com), SimaPro (sima.pro), One-Click LCA (www.oneclicklca.com) and Tally for Revit (apps.autodesk.com).

2. ASTM E2921-22 "Standard Practice for Minimum Criteria for Comparing Whole Building Life Cycle Assessments for Use with Building Codes, Standards, and Rating Systems" may be consulted for the assessment.

3. In addition to the required documentation specified in Section 5.409.2.3, Worksheet WS-9 may be required by the enforcing entity to demonstrate compliance with the requirements.

5.409.2.1 Building components. Building enclosure components included in the assessment shall be limited to glazing assemblies, insulation, and exterior finishes. Primary and secondary structural members included in the assessment shall be limited to footings and foundations, and structural columns, beams, walls, roofs, and floors.

5.409.2.2 Reference study period. The reference study period of the proposed building shall be equal to the reference baseline building and shall be 60 years.

5.409.2.3 Verification of compliance. A summary of the GWP analysis produced by the software and Worksheet WS-4 signed by the design professional of record shall be provided in the construction documents as documentation of compliance. A copy of the whole building life cycle assessment which includes the GWP analysis produced by the software, in addition to maintenance and training information, shall be included in the operation and maintenance manual and shall be provided to the owner at the close of construction. The enforcing agency may require inspection and inspection reports in accordance with Sections 702.2 and 703.1 during and at completion of construction to demonstrate substantial conformance. Inspection shall be performed by the design professional of record or third party acceptable to the enforcing agency.

5.409.3 Product GWP compliance—prescriptive path. Each product that is permanently installed and listed in Table 5.409.3 shall have a Type III environmental product declaration (EPD), either product-specific or factory-specific.

TABLE 5.409.3 PRODUCT GWP LIMITS

BUY CLEAN CALIFORNIA MATERIALS PRODUCT CATEGORY ¹	MAXIMUM ACCEPTABLE GWP VALUE (unfabricated) (GWP _{allowed})	UNIT OF MEASUREMENT
Hot-rolled structural steel sections	1.77	MT CO ₂ e/MT
Hollow structural sections	3.00	MT CO ₂ e/MT
Steel plate	2.61	MT CO ₂ e/MT
Concrete reinforcing steel	1.56	MT CO ₂ e/MT
Flat glass	2.50	kg CO ₂ e/MT
Light-density mineral wool board insulation	5.83	kg CO ₂ e/MT
Heavy-density mineral wool board insulation	14.28	kg CO ₂ e/MT
Concrete, Ready-Mixed^{2, 3}		
CONCRETE PRODUCT CATEGORY	MAXIMUM GWP ALLOWED VALUE (GWP _{allowed})	UNIT OF MEASUREMENT
up to 2499 psi	450	kg CO ₂ e/m ³
2500–3499 psi	489	kg CO ₂ e/m ³
3500–4499 psi	566	kg CO ₂ e/m ³
4500–5499 psi	661	kg CO ₂ e/m ³
5500–6499 psi	701	kg CO ₂ e/m ³
6500 psi and greater	799	kg CO ₂ e/m ³
Concrete, Lightweight Ready-Mixed²		
CONCRETE PRODUCT CATEGORY	MAXIMUM GWP ALLOWED VALUE (GWP _{allowed})	UNIT OF MEASUREMENT
up to 2499 psi	875	kg CO ₂ e/m ³
2500–3499 psi	956	kg CO ₂ e/m ³
3500–4499 psi	1039	kg CO ₂ e/m ³

1. The GWP values of the products listed in Table 5.409.3 are based on 175 percent of Buy Clean California Act (BCCA) GWP values, except for concrete products which are not included in the BCCA.
2. For concrete, 175 percent of the National Ready Mixed Concrete Association (NRMCA) 2022 version 3 Pacific Southwest regional benchmark values are used for the GWP allowed, except for High Early Strength.
3. Concrete High Early Strength ready-mixed shall be calculated at 150 percent of the ready-mixed concrete GWP allowed values for each product category.

5.409.3.1 Products shall not exceed the maximum GWP value specified in Table 5.409.3.

Exception: Concrete may be considered one product category to meet compliance with this section. A weighted average of the maximum GWP for all concrete mixes installed in the project shall be less than the weighted average maximum GWP allowed per Table 5.409.3 using Exception Equation 5.409.3.1. Calculations shall be performed with consistent units of measurement for the material quantity and the GWP value.

For the purposes of this exception, industry-wide EPDs are acceptable.

Exception EQUATION 5.409.3.1

$$GWP_i < GWP_{allowed}$$

where

$$GWP_i = \sum (GWP_j)(V_j)$$

and

$$GWP_{allowed} = \sum (GWP_{allowed})(V_a)$$

and

$$V_j = \text{each concrete mix installed in the project}$$

$$V_a = \text{the GWP for concrete mix}_a \text{ per concrete mix EPD, in kg CO}_2\text{e/m}^3$$

$$GWP_{allowed} = \text{the GWP potential allowed for concrete mix}_a \text{ per Table 5.409.3}$$

$$V_a = \text{the volume of concrete mix}_a \text{ installed in the project, in m}^3$$

5.409.3.2 Verification of compliance. Calculations to demonstrate compliance, Type III EPDs for products required to comply, if included on the project, and Worksheet WS-5 signed by the design professional of record shall be provided on the construction documents. Updated EPDs for products used in construction shall be provided to the owner at the close of construction and to the enforcement entity upon request. The enforcing agency may require inspection and inspection reports in accordance with Sections 702.2 and 703.1 during and at completion of construction to demonstrate substantial conformance. Inspection shall be performed by the design professional of record or third party acceptable to the enforcing agency.

SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS

5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.

5.410.1.1 Additions. All additions constructed within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.

Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area.

5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the Public Resources Code. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.

5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over. For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For occupancies that are not regulated by OSHA 1910.269 or for I-occupancies and L-occupancies that are not regulated by the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements.

Commissioning requirements shall include:

- Owner's or Owner representative's project requirements.
- Basis of design.
- Commissioning measures shown in the construction documents.
- Commissioning plan.
- Functional performance testing.
- Documentation and training.
- Commissioning report.

Exceptions:

- Unconditioned warehouses of any size.
- Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.
- Tenant improvements less than 10,000 square feet as described in Section 303.1.1.
- Open parking garages of any size, or open parking garage areas, of any size, within a structure.

Note: For the purposes of this section, unconditioned shall mean a building, area or room which does not provide heating and/or air conditioning.

Informational Notes:

- Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the California Energy Code.
- 5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N]** The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:
- Environmental and sustainability goals.
 - Building sustainable goals.
 - Indoor environmental quality requirements.
 - Project program, including facility functions and hours of operation, and need for after hours operation.
 - Equipment and systems expectations.
 - Building operation and maintenance (OBM) personnel expectations.

5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

- Renewable energy systems.
- Landscape irrigation systems.
- Water reuse system.

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:

- General project information.
- Systems to be commissioned. Plans to test systems and components shall include:
 - An explanation of the original design intent.
 - Equipment and systems to be tested, including the extent of tests.
 - Functions to be tested.
 - Conditions under which the test shall be performed.
 - Measurable criteria for acceptable performance.
- Commissioning team information.
- Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements in California Code of Regulations (CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:

- Site information, including facility description, history and current requirements.
- Site contact information.
- Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
- Major systems.
- Site equipment inventory and maintenance notes.
- A copy of verifications required by the enforcing agency or this code.
- Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following:

- System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces).
- Review and demonstration of servicing/preventive maintenance.
- Review of the information in the Systems Manual.
- Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.

5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.2 (Reserved)

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b) for additional testing requirements of specific systems.

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:

- Renewable energy systems.
- Landscape irrigation systems.
- Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards, the National Environmental Balancing Bureau Procedural Standards, Associated Air Balance Council National Standards or as approved by the enforcing agency.

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of warranties/warranties for each system. O & M instructions shall be consistent with OSHA regulations in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.501 GENERAL

5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors.

SECTION 5.502 DEFINITIONS

5.502.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference)

ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route.

A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting adjustments have been made.

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, the amount of heat required to melt a ton (2,000 pounds) of ice at 32° Fahrenheit.

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I-joists or finger-jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a).

Note: See CCR, Title 17, Section 93120.1.

DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.).

DECIBEL (db). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, sound power, sound intensity) with respect to a reference quantity.

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the California Electrical Code, off-road, self-propelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.

ELECTRIC VEHICLE CHARGING STATION(S) (EVCS). One or more spaces intended for charging electric vehicles.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as the fluctuating noise level integrated over the time of period of interest.

EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may not be divided or have grade separations at intersections.

FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections.

GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference compound with a GWP of one.

GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995) or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of Table 2.14; the AR4 GWP values are found in column "100 yr" of Table 2.14.

HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a hydrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.5 times the pipe diameter.

LOW-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2-1999.

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base Reactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundreds of a gram (g O₃/g ROG).

PRODUCT-WEIGHTED MIR (PWMIIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).

PSIG. Pounds per square inch, gauge.

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere.

SCHRADER ACCESS VALVES. Access fittings with a valve core installed.

SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.0 times the pipe diameter.

SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units.

VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a).

Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition included in that specific regulation is the one that prevails for the specific measure in question.

SECTION 5.503 FIREPLACES

5.503.1 FIREPLACES. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

SECTION 5.504 POLLUTANT CONTROL

5.504.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.

5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilation equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.

5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

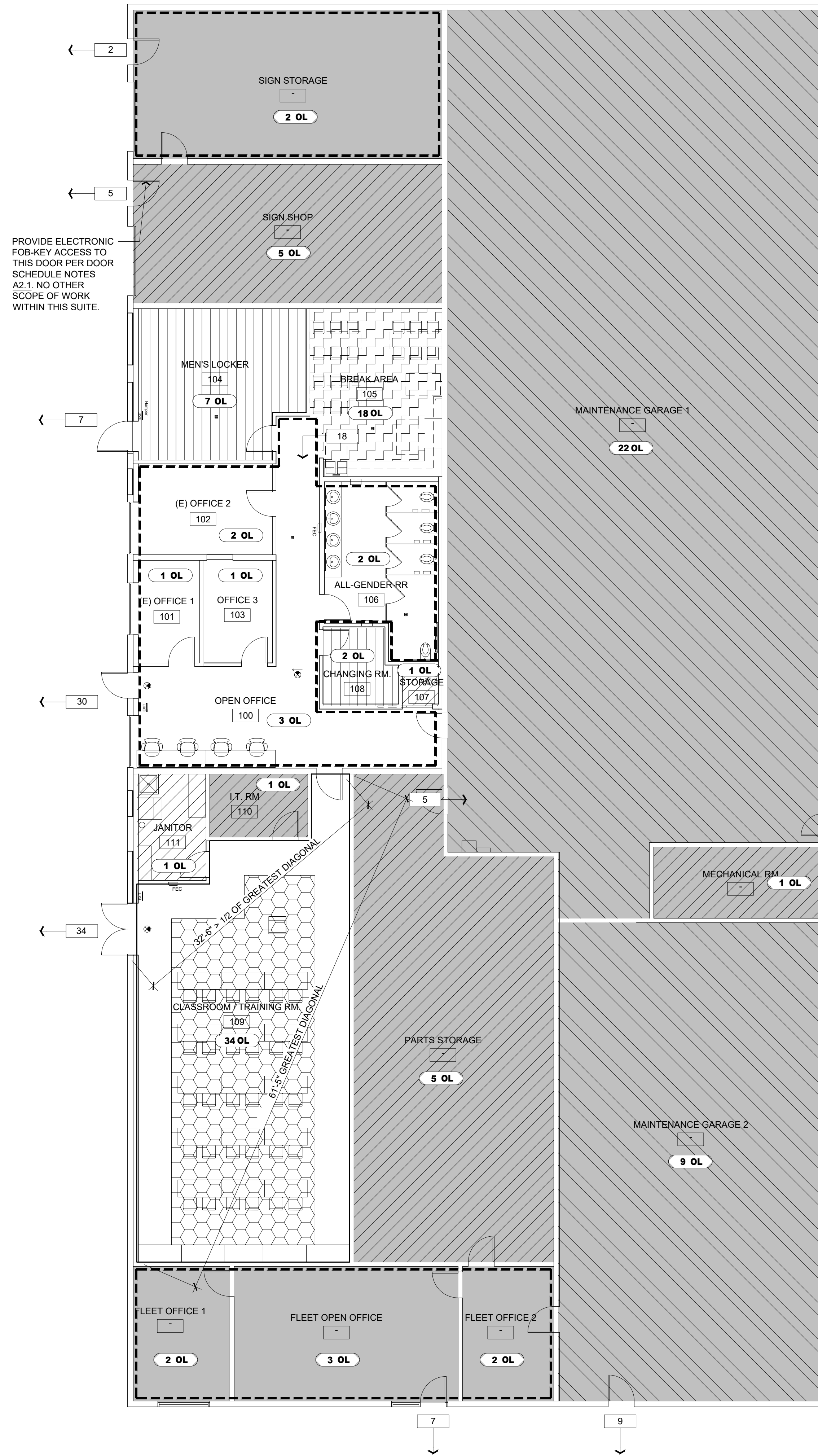
5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

- Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

- Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT^{1,2}

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	60
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80



E5 OCCUPANT LOAD & EXITING PLAN
SCALE: 1/8" = 1'-0"

PLUMBING FIXTURE CALCULATIONS

PLUMBING OCCUPANCY LOAD FACTOR PER CPC TABLE 4-1:
 1:150 BUSINESS
 1:4000 WAREHOUSE STORAGE PORTIONS
 1:30 TRAINING/BREAK ROOM
 1:50 EXERCISE (LOCKERS)
 *ACCESSORIES SUCH AS HALLWAYS, TOILET ROOMS, AND MECHANICAL ROOMS OMITTED PER CPC TABLE 4-1

BUSINESS
 AREA: 2,403 SF
 OCCUPANT LOAD = 2,403 SF / 150 OCC. / SF = 16.0 OCCUPANTS

STORAGE & GARAGE
 AREA: 8,253 SF
 OCCUPANT LOAD = 8,080 SF / 4000 OCC. / SF = 2.0 OCCUPANT

TRAINING ROOM/BREAK ROOM
 AREA: 666 SF
 OCCUPANT LOAD = 666 SF / 30 OCC. / SF = 22.2 OCCUPANTS

EXERCISE (LOCKERS)
 AREA: 422 SF
 OCCUPANT LOAD = 422 SF / 30 OCC. SF = 54.2 OCCUPANTS

55 OCCUPANTS - 28 MEN & 28 WOMEN

REQUIRED
 MEN
 WATER CLOSET: 1
 LAVATORY: 1

WOMEN
 WATER CLOSET: 2
 LAVATORY: 1

PROVIDED FULL HEIGHT PARTITION UNISEX FACILITIES
 LAVATORY: 4
 ACCESSIBLE WATER CLOSET: 1
 STANDARD WATER CLOSET: 3

EXITING LEGEND

- ROOM / COMBINED AREA'S MAXIMUM OCCUPANCY LOAD.
- COMBINED OCCUPANT LOAD AT POINT OF EXIT ACCESS (GREATER LOAD) WITH DIRECTION OF EGRESS.
- GRADE 2 BRAILLE WALL MOUNTED EXIT SIGN.
- ILLUMINATED EXIT SIGN.
- 2A10BC FIRE EXTINGUISHER IN ADA APPROVED SEMI-RECESSED CABINET. PROVIDE CD TENT "FIRE EXTINGUISHER" SIGN ABOVE FIRE CABINET. TYP OF 2. FINAL LOCATION TO BE DETERMINED BY FIRE MARSHAL.
- INDICATES BUSINESS AREA (O.L.F.: 1 OCC. PER 150 S.F. GROSS)
- INDICATES LOCKER ROOM/CHANGING ROOMS (O.L.F.: 1 OCC. PER 50 S.F. GROSS)
- INDICATES ASSEMBLY WITHOUT FIXED SEATS, UNCONCENTRATED (O.L.F.: 1 OCC. PER 15 S.F. NET)
- INDICATES ACCESSORY STORAGE (O.L.F.: 1 OCC. PER 300 S.F. GROSS)
- CLASSROOM/EDUCATIONAL/TRAINING (O.L.F.: 1 OCC. PER 20 S.F. NET)
- INDICATES PARKING GARAGE (O.L.F.: 1 OCC. PER 200 S.F. GROSS)
- AREAS NOT IN SCOPE OF WORK

EXITING DOOR CALCULATIONS

TOTAL OCCUPANTS: 160

EXITING DOOR WIDTHS REQUIRED: (160) X .2 = 32"

PROVIDED = 32" MIN. PER EXIT DOOR. (6 INDIVIDUAL) X 32" + (2 DOUBLE DOOR) X 64" = 320" PROVIDED

OCC. LOAD ANALYSIS

OCCUPANCY	OLF	AREA	OL
BUSINESS AREAS			
#100	1:150 GROSS	351 S.F.	21 OCC
#101	ROADS OPEN OFFICE	97 S.F.	3 OCC
#102	(E) OFFICE 2	180 S.F.	2 OCC
#103	OFFICE 3	104 S.F.	1 OCC
#106	ALL GENDER RESTROOM	269 S.F.	2 OCC
-	*FLEET OPEN OFFICE	417 S.F.	3 OCC
-	*FLEET OFFICE 1	180 S.F.	2 OCC
-	*FLEET OFFICE 2	175 S.F.	2 OCC
-	*SIGNS SHOP	630 S.F.	5 OCC
ASSEMBLY (TABLES AND CHAIRS): 1:15 NET			
#105	BREAK AREA	258 S.F.	18 OCC
EDUCATIONAL (CLASSROOM AREA): 1:20 NET			
#109	TRAINING	666 S.F.	34 OCC
LOCKER/CHANGING: 1:50 GROSS			
#104	LOCKER ROOM	343 S.F.	7 OCC
#108	CHANGING ROOM	79 S.F.	2 OCC
ACCESSORY STORAGE: 1:300 GROSS			
#107	STORAGE	25 S.F.	1 OCC
#110	I.T. ROOM	92 S.F.	1 OCC
#111	JANITOR	111 S.F.	1 OCC
-	*MECHANICAL ROOM	173 S.F.	1 OCC
-	*PARTS STORAGE	1,221 S.F.	5 OCC
-	*SIGNS STORAGE	600 S.F.	2 OCC
GARAGE: 1:200 GROSS			
-	*MAINTENANCE GARAGE 1	4,320 S.F.	22 OCC
-	*MAINTENANCE GARAGE 2	1,711 S.F.	9 OCC
TOTAL			124 OCCUPANTS

EGRESS PATH VALUATIONS

- AT NO LOCATION WITHIN THE BUILDING DO YOU HAVE TO TRAVEL GREATER THAN THE MAXIMUM ALLOWANCES BEFORE THE PATH ALLOWS FOR A DIVERGENCE TO MULTIPLE EXITS. PER CBC TABLE 1006.2.1 A NON-SPRINKLERED SYSTEM ALLOWS FOR UP TO 75 FT (A-3), 100FT (B), AND 100FT (S-1) BEFORE A SECOND EXIT IS REQUIRED.
- THE MAX TRAVEL DISTANCE TO AN EXIT (FOR A SPRINKLERED SYSTEM WITHIN THIS SPACE) ALLOWS FOR UP TO 200 FT. PER CBC TABLE 1017.2.



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- Daniel P. Eriksso
Principal Architect
- Kevin L. Wilcox
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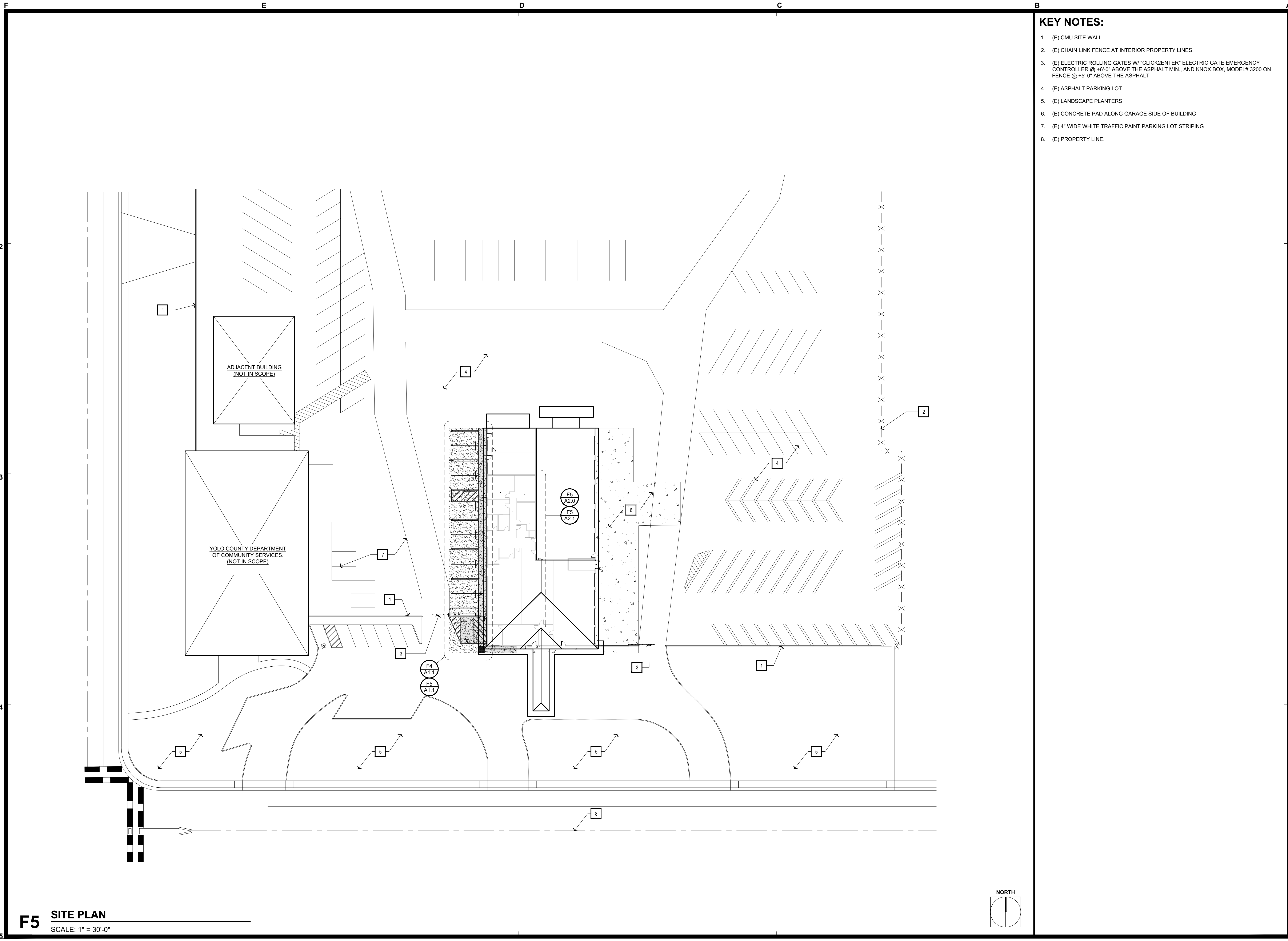
JOB TITLE:

CONSTRUCTION DOCUMENTS FOR:
YOLO COUNTY -
ROADS BUILDING RENOVATIONS
 284 W. BEAMER STREET
 WOODLAND, CA
 YOLO COUNTY JOB NO. WA24-07-5292
 CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
 ADDRESS: 120 W. MAIN STREET, SUITE D, WOODLAND CA

REVISIONS:

DATE:	DESCRIPTION:

DATE 06/27/2025
 DRAWN DH/JDC
 JOB NO. 22232
 SHEET



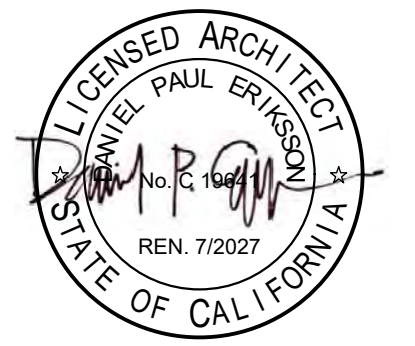
KEY NOTES:

1. (E) CMU SITE WALL.
2. (E) CHAIN LINK FENCE AT INTERIOR PROPERTY LINES.
3. (E) ELECTRIC ROLLING GATES W/ "CLICK2ENTER" ELECTRIC GATE EMERGENCY CONTROLLER @ +8'-0" ABOVE THE ASPHALT MIN., AND KNOX BOX, MODEL# 3200 ON FENCE @ +5'-0" ABOVE THE ASPHALT
4. (E) ASPHALT PARKING LOT
5. (E) LANDSCAPE PLANTERS
6. (E) CONCRETE PAD ALONG GARAGE SIDE OF BUILDING
7. (E) 4" WIDE WHITE TRAFFIC PAINT PARKING LOT STRIPING
8. (E) PROPERTY LINE.



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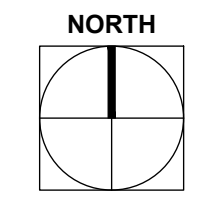
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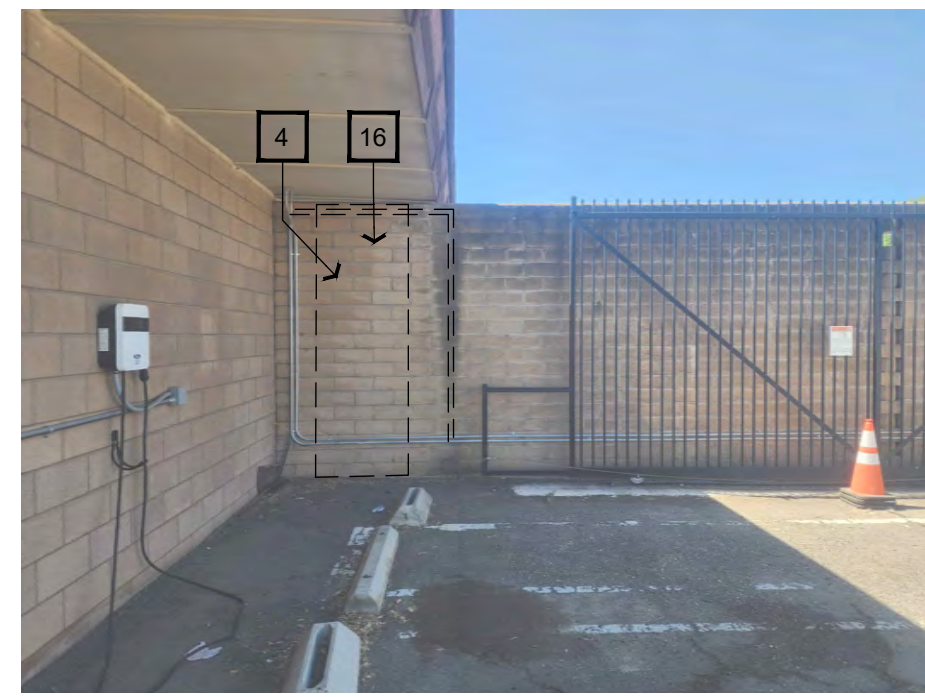
DATE:	DESCRIPTION:

DATE 06/27/2025
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 JOB NO. 22232

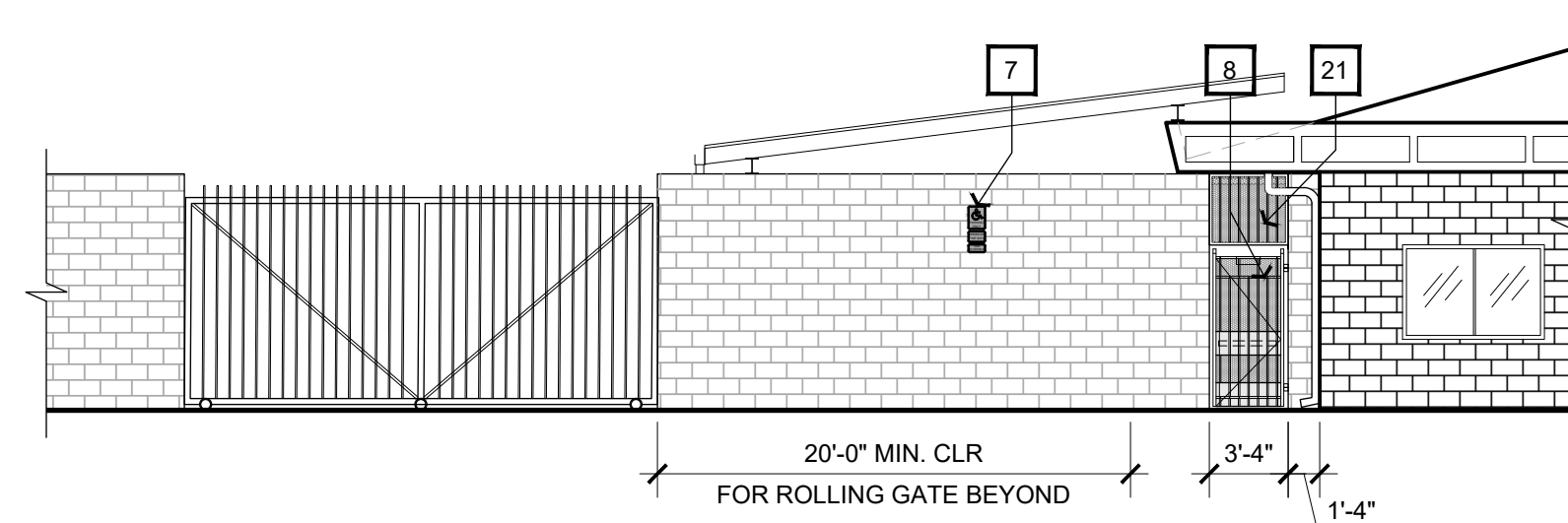
SHEET
 OF 15 **A1.0**
 SITE PLAN SHEETS

F5 SITE PLAN
 SCALE: 1" = 30'-0"

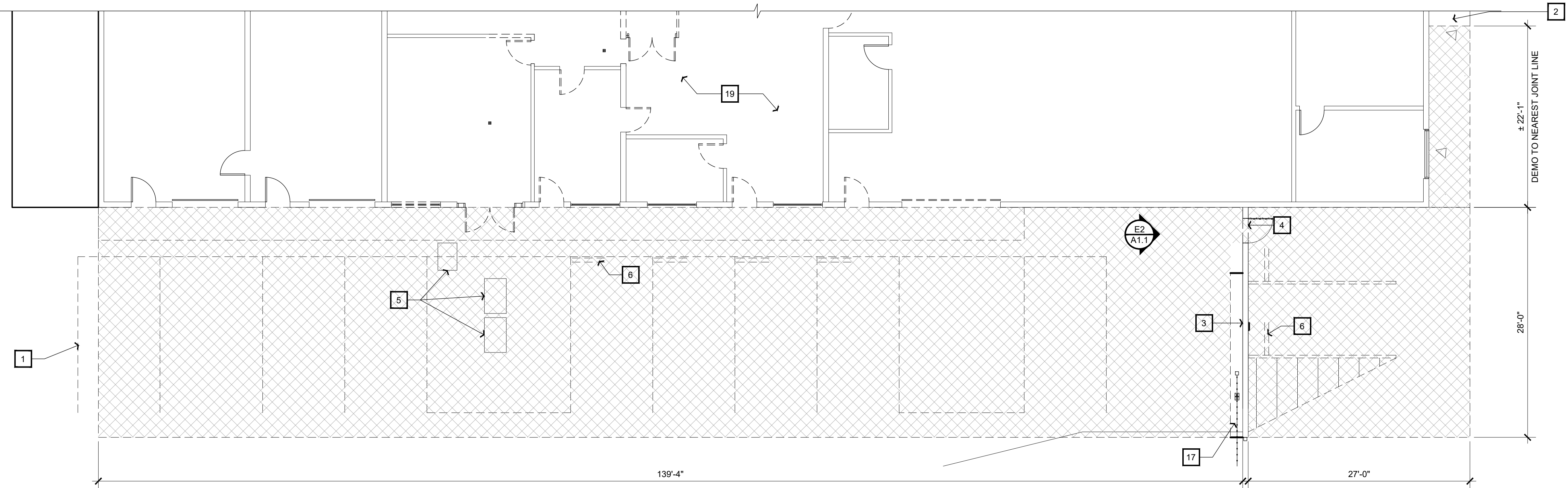




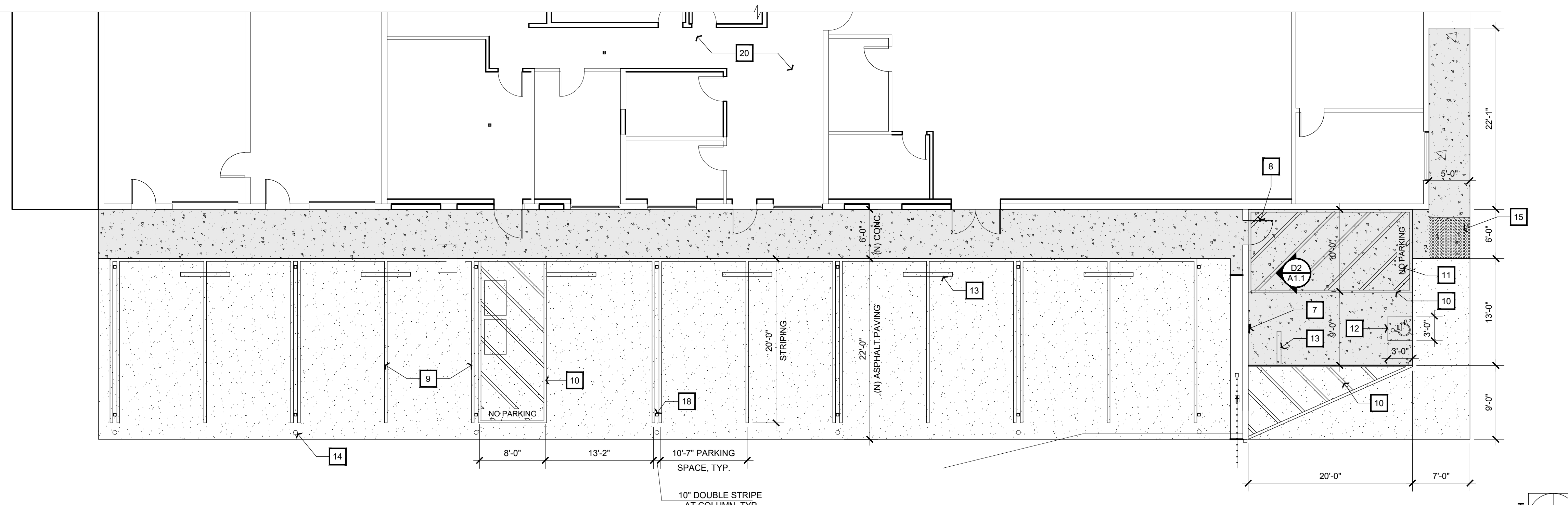
E2 REFERENCE PHOTO
N.T.S.



D2 SITE EXIT GATE ELEVATION
SCALE: 1/8" = 1'-0"



F4 DEMOLITION PARKING PLAN
SCALE: 1/8" = 1'-0"



F5 ENLARGED PARKING PLAN
SCALE: 1/8" = 1'-0"

SEE F4/A3.0 FOR CANOPY NOTES AND DIMENSIONS

KEYNOTES:

- BLACKOUT EXISTING STRIPING WHERE OTHERWISE NOT INCLUDED IN THE DEMO AREA OF WORK.
- (E) SIDEWALK TO REMAIN.
- (E) MASONRY SITE WALL TO REMAIN.
- DEMO 3'-4" W. X 7'-0" H. OPENING IN BLOCK WALL, REINFORCE PER STRUCTURAL DRAWINGS.
- (E) UTILITY ACCESS HATCHES TO REMAIN. WHEN DEMOING ADJACENT ASPHALT, KEEP THESE INTACT.
- (E) CONCRETE WHEEL STOP TO BE REMOVED. TYP.
- MOUNT ACCESSIBLE PARKING SIGN ON WALL. SEE DETAIL F3/A0.1.
- (N) GATE WITH PANIC HARDWARE, CLOSER, AND PERFORATED METAL PANEL. EXTERIOR SIDE TO INCLUDE FOB KEY ACCESS.
- (N) 4" WHITE STRIPPING, DOUBLE STRIPE AT CANOPY COLUMN LOCATIONS.
- (N) 4" WIDE DIAGONAL WHITE TRAFFIC PAINT STRIPPING AT 3'-0" O.C. WITH 4" WIDE BLUE TRAFFIC PAINT BOARDER.
- (N) 1'-0" HIGH "NO PARKING" LETTERING IN WHITE TRAFFIC PAINT.
- (N) ISA WHITE TRAFFIC PAINT PARKING STALL SIGN ON BLUE TRAFFIC PAINT BACKGROUND. SEE DETAIL F4/A0.1.
- INSTALL (N) 6" H. X 6'-0" L. CONCRETE WHEEL STOPS, TYP.
- INSTALL (N) 4" DIA. X 3'-6" H. CONCRETE FILLED STEEL BOLLARDS 1'-0" IN FRONT OF CARPORT COLUMNS, TYP. OF 7.
- INSTALL (N) DETECTABLE WARNING DOMES. SEE DETAIL E3/A0.1.
- CONDUIT TO BE RELOCATED ABOVE PROPOSED OPENING.
- MAINTAIN (E) ASPHALT UNDER ROLLING GATE, GATE TRACK, AND MOTOR.
- (N) COLUMN AT CANOPY. SEE SHEET A3.0 FOR MORE INFORMATION.
- FOR ENTIRE DEMOLITION FLOOR PLAN, SEE SHEET A2.0 FOR MORE INFORMATION.
- FOR ENTIRE (N) FLOOR PLAN, SEE SHEET A2.1 FOR MORE INFORMATION.0
- FIXED MTL. PANEL SET IN MTL. FRAME WITH FENCE BARS AND PERFORATED MTL. SCREENING.

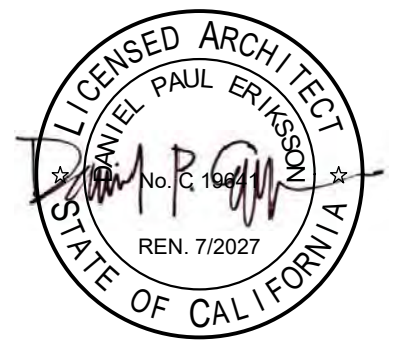
SITE LEGEND

- DEMO (E) ASPHALT AND CONCRETE
- (N) CONCRETE
SLOPE SHALL NOT EXCEED 2% GRADE IN ANY DIRECTION.
- (N) ASPHALT PAVING
SLOPE SHALL TRANSITION EVENLY BETWEEN FACE OF (N) CONCRETE AND EXISTING ADJACENT PAVING.



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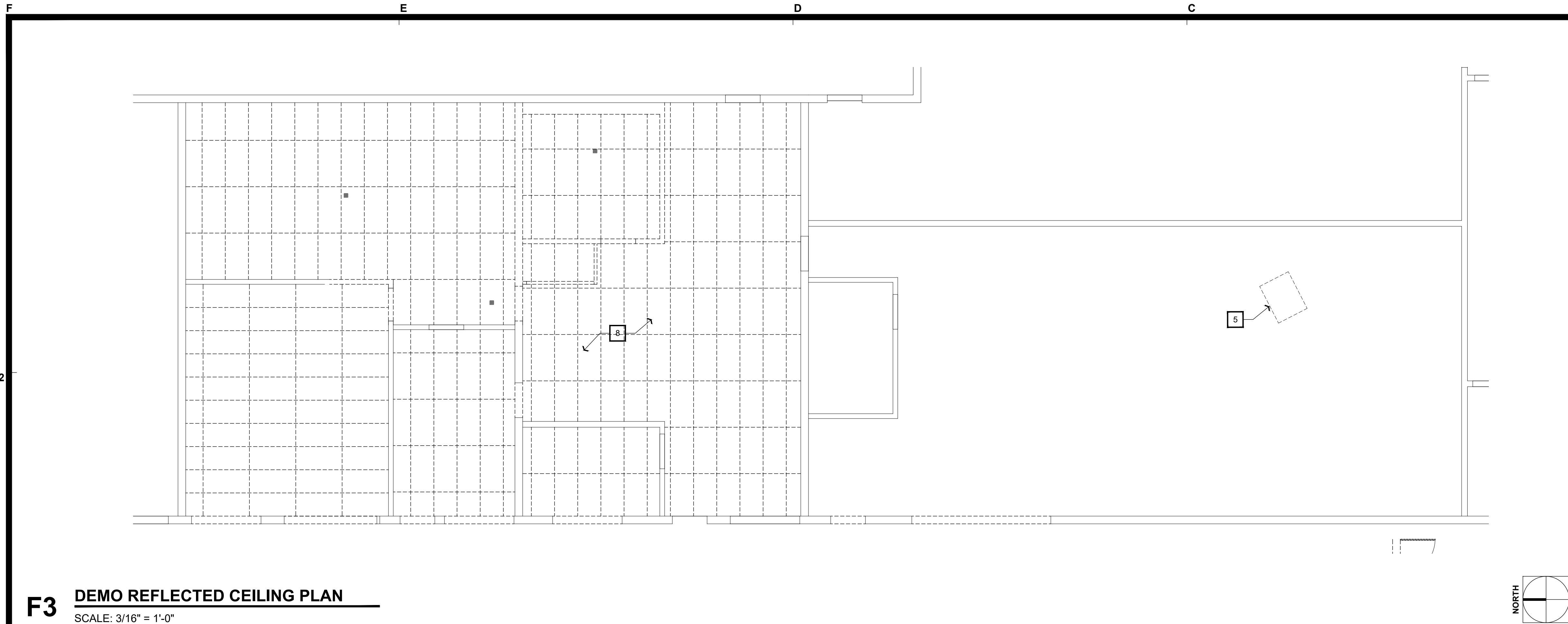
JOB TITLE:

CONSTRUCTION DOCUMENTS FOR:
**YOLO COUNTY -
ROADS BUILDING RENOVATIONS**
284 W. BEAMER STREET
WOODLAND, CA
CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
ADDRESS: 120 W. MAIN STREET, SUITE D, WOODLAND CA

REVISIONS:

DATE:	DESCRIPTION:

DATE 06/27/2025
DRAWN DH/JDC
JOB NO. 22232
SHEET
A1.1
OF 15 SHEETS



F3 DEMO REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"

- SHEET NOTES:**
- A. DIMENSIONS ARE TO CENTERLINE OF NEW WALLS AND FACE OF WALL (F.O.W.) OF EXISTING WALLS, U.N.O.
 - B. SEE A4.0 FOR INTERIOR FINISH SCHEDULE.
 - C. TYPE "X" G.W.B. IS NOT REQUIRED AT NON-RATED WALLS, HOWEVER IT IS THE ARCHITECT'S STANDARD FOR ALL G.W.B.
 - D. ALL STUD SIZE INFORMATION FROM STEEL STUD MANUFACTURES ASSOCIATION HANDBOOK 2015 EDITION.
 - E. SEE DETAIL E5/A0.1 FOR MOUNTING INFORMATION OF TOILET FIXTURES AND ACCESSORIES.
 - F. SEE STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL PLANS FOR MORE INFORMATION

- KEYNOTES**
1. DEMO (E) EXTERIOR DOORS AND WINDOWS WHERE INDICATED
 2. DEMO (E) WALLS WHERE INDICATED
 - 2A. DEMO PARTIAL WALL TO ALIGN WITH FACE OF ADJACENT WALL.
 3. DEMO ALL INTERIOR DOORS (EXCEPT WHERE NOTED W/ KEYNOTE 6).
 4. DEMO ALL (E) LOCKERS, FURNITURE, BREAKROOM CASEWORK, AND RESTROOM FIXTURES AND ACCESSORIES.
 5. REMOVE (E) CEILING MOUNTED SPACE HEATER.
 6. (E) INTERIOR DOOR AND HARDWARE TO REMAIN.
 7. (E) ICE MACHINE AND WATER SOFTENER TO BE RELOCATED.
 8. DEMO ALL (E) T-BAR CEILING
 9. (E) FLOOR DRAIN TO REMAIN (RESTROOM ONLY)
 10. REMOVE FLOOR DRAIN INLET AND CAP EXISTING PIPING. INFILL TO BE PREPPED FOR EXPOXY SURFACE.

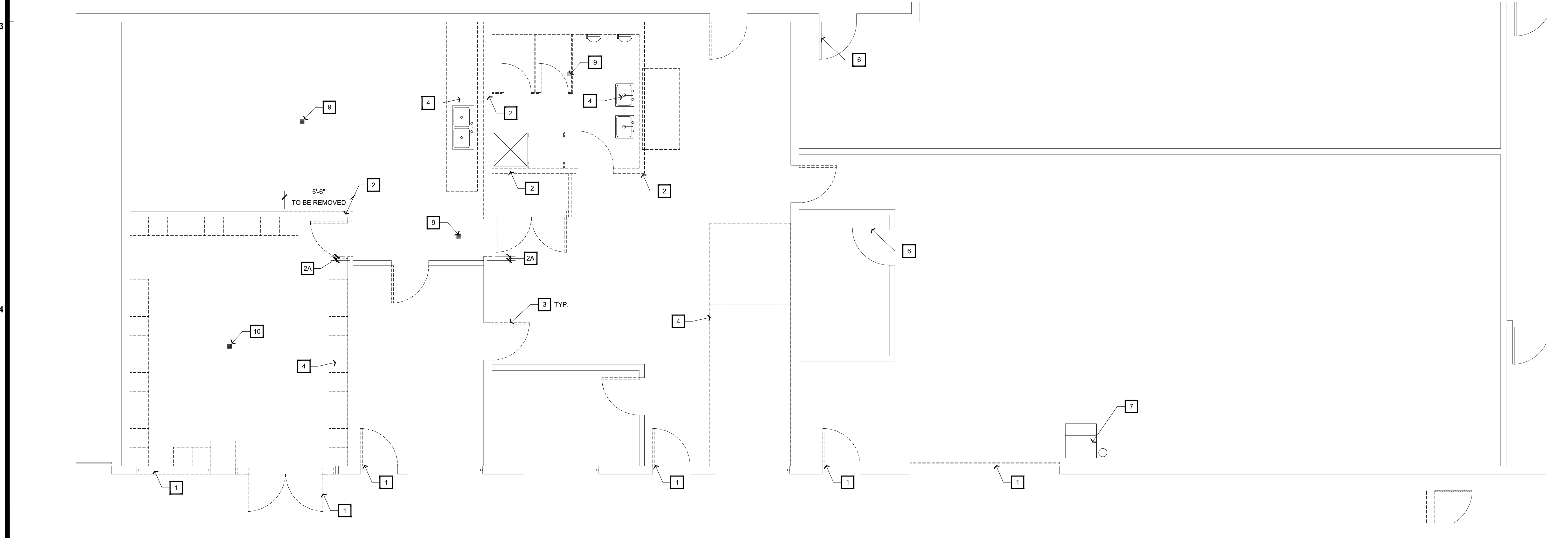


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F5 DEMO FLOOR PLAN
SCALE: 1/4" = 1'-0"

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SHEET
A2.0
OF 15 DEMO PLANS SHEETS

DOOR HARDWARE GROUPS

HARDWARE GROUP 1: (EXTERIOR)
 3 NRP BUTT HINGES
 1 ENTRANCE LOCKSET - ND53PD
 1 SURFACE MOUNTED CLOSER
 1 THRESHOLD
 1 DOOR SHOE
 1 WEATHERSTRIPPING KIT

HARDWARE GROUP 2: (MULTI-TOILET)
 3 NRP BUTT HINGES
 1 SURFACE MOUNTED CLOSER
 1.4"x16" PUSH PLATE
 1.4"x16" PULL PLATE AND HANDLE- 10"
 1 10" HIGH KICK PLATE
 1.4" HIGH MOP PLATE
 1 SOUND SEAL KIT
 1 DOOR STOP

HARDWARE GROUP 3: (PASSAGE)
 3 NRP BUTT HINGES
 1 PASSAGE LATCHSET - ND10S
 1 SOUND SEAL KIT
 1 DOOR STOP

HARDWARE GROUP 4: (OVERSIZED EXTERIOR)
 4 NRP BUTT HINGES
 1 ENTRANCE LOCKSET - ND53PD
 1 SURFACE MOUNTED CLOSER
 1 THRESHOLD
 1 DOOR SHOE
 1 WEATHERSTRIPPING KIT

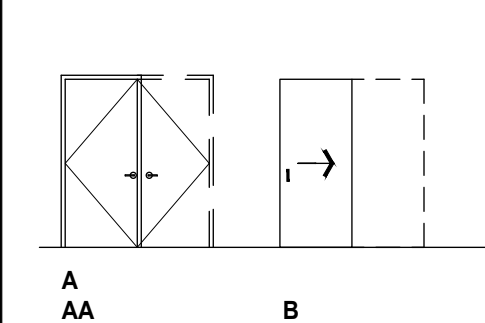
HARDWARE GROUP 5: (PRIVATE OFFICE)
 3 NRP BUTT HINGES
 1 OFFICE LOCKSET - ND50PD
 1 SOUND SEAL KIT
 1 WALL STOP

HARDWARE GROUP 6: (CHANGING ROOM)
 3 NRP BUTT HINGES
 1 PRIVACY LOCKSET - ND40S
 1 SOUND SEAL KIT
 1 WALL STOP

HARDWARE GROUP 7: (SLIDING POCKET)
 1 ADA COMPLIANT POCKET DOOR HARDWARE KIT BY JOHNSON HARDWARE OR EQ.
 2 RUBBER BUMPERS TO PREVENT DOOR FROM FULLY RECEDING INTO WALL.
 1 OVERHEAD TRACK & BALLBEARING ROLLERS. MAX. MECHANISM OPENING FORCE OF 5 LBS.
 2 6" LONG DOOR PULL HANDLE. HANDLES TO BE EXPOSED & ACCESSIBLE FROM BOTH SIDES.

DOOR SCHEDULE NOTES

(1) TYPES



(2) FIRE RATING ASSEMBLY:
 N = NO RATING

(3) THICKNESS:
 A = 1-3/4"

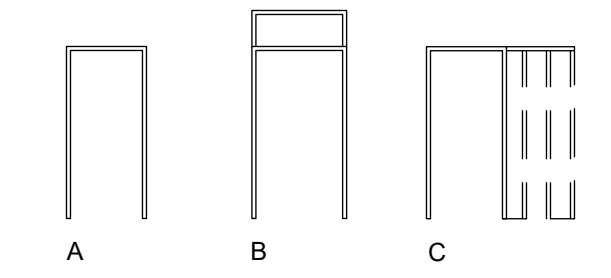
(4) CONSTRUCTION
 A = 14 GA HEAVY DUTY INSULATED METAL
 B = SOLID CORE, PAINT GRADE

(5) FACING & FINISH
 A = PRIMED AND PAINTED METAL COLOR: MED. GREY
 B = PRIMED AND PAINTED WOOD COLOR: MED. GREY

(6) GLAZING
 N = NONE

(7) HARDWARE GROUPS:
 SEE IN ADJACENT COLUMN

(8) FRAME TYPES:



(9) FRAME MATERIAL:
 A = TIMELY PREFINISHED STEEL DRYWALL FRAME.
 B = WELDED STEEL FRAME, SHOP PRIMED, FIELD PAINTED

(10) TRANSOM LITE:
 N = NONE
 A = 3'-6" X 2'-0" TRANSOM LITE ABOVE DOOR

(11) REMARKS:
 A = PROVIDE ELECTRONIC KEY FOBS TO EXTERIOR DOORS ENTERING OPEN OFFICE, LOCKERS, IT ROOM, AND ADJACENT SUITE'S SIGN SHOP.
 B = OPENING FOR SLIDING DOORS TO BE 3'-6"

DOOR SCHEDULE

DOOR NUMBER	SIZE	(1) TYPE	(2) FIRE RATING	(3) THICKNESS	(4) CONSTRUCTION	(5) FACING & FINISH	(6) GLAZING	(7) HARDWARE GROUP	(8) FRAME TYPE	(9) FRAME MATERIAL	(10) TRANSOM LITE	(11) REMARKS
100A	3'-0" x 7'-0"	A	N	A	A	A	N	1	A	B	N	A
100B	3'-0" x 7'-0"	A	N	A	A	A	N	3	A	B	N	-
100C	3'-0" x 7'-0"	A	N	A	A	A	N	3	A	B	N	-
101	3'-0" x 7'-0"	A	N	A	B	B	N	5	A	A	N	-
102	3'-0" x 7'-0"	A	N	A	B	B	N	5	A	A	N	-
103	3'-0" x 7'-0"	A	N	A	B	B	N	5	A	A	N	-
104A	3'-6" x 7'-0"	A	N	A	A	A	N	4	B	B	A	A
104B	3'-0" x 7'-0"	A	N	A	B	B	N	3	A	A	N	-
106	3'-0" x 7'-0"	A	N	A	B	B	N	2	A	A	N	-
107	3'-6" x 7'-0"	B	N	A	B	B	N	7	C	A	N	-
108	3'-0" x 7'-0"	A	N	A	B	B	N	6	A	A	N	-
109	PR 3'-0" x 7'-0"	AA	N	A	A	A	N	1	A	B	N	-
110	(E) 3'-0" x 7'-0"	A	-	-	-	-	-	-	-	-	-	A
111	3'-0" x 7'-0"	A	N	A	B	B	N	3	A	A	N	-

DOOR GENERAL NOTES

- ALL DOORS TO COMPLY WITH CBC REQUIREMENTS FOR OPENING AND CLOSING FORCE AS SPECIFIED IN DETAIL E4/A0.1.
- ALL DOORS ARE EQUIPPED WITH SINGLE EFFORT NON-GRASPING HARDWARE.
- ALL EXIT DOORS TO BE OPENABLE WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE.
- ALL LOCK/LEVER AND CLOSERS SHALL COMPLY WITH ACCESSIBILITY REQUIREMENTS.
- SEE DETAIL F4/A0.1 FOR ACCESSIBILITY REQUIREMENTS.
- DOOR SEPARATING UNCONDITIONED FROM UNCONDITIONED SPACE SHALL HAVE WEATHERSTRIPPING TO EFFECTIVELY LIMIT AIR INFILTRATION. ADHESIVE FOAM TAPE OR FELT WEATHER STRIPPING IS NOT ACCEPTABLE.
- ALL THE DOOR STOPS SHALL BE FLOOR MOUNT, DOMES, BRUSHED STAINLESS STEEL.
- (E) INDICATES THE DOOR IS EXISTING AND (F) INDICATES THE DOOR MIGHT BE ADDED IN FUTURE.

SHEET NOTES:

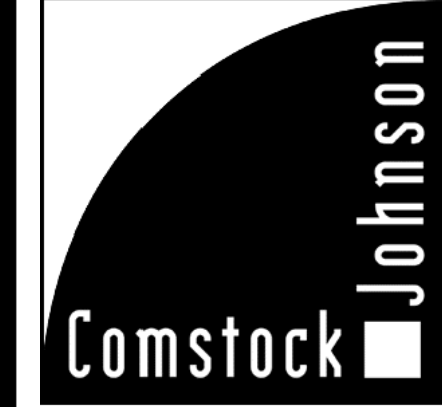
- DIMENSIONS ARE TO CENTERLINE OF NEW WALLS AND FACE OF WALL (F.O.W.) OF EXISTING WALLS, U.N.O.
- SEE A4.0 FOR INTERIOR FINISH SCHEDULE.
- TYPE "X" 5/8" G.W.B. IS NOT REQUIRED AT NON-RATED WALLS, HOWEVER IT IS THE ARCHITECT'S STANDARD FOR ALL G.W.B.
- ALL STUD SIZE INFORMATION FROM STEEL STUD MANUFACTURES ASSOCIATION HANDBOOK 2015 EDITION.
- SEE DETAIL E5/A0.1 FOR MOUNTING INFORMATION OF TOILET FIXTURES AND ACCESSORIES.
- SEE STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL PLANS FOR MORE INFORMATION

KEYNOTES

- (E) GLAZING TO REMAIN.
- (E) FLOOR DRAIN TO REMAIN.
- INSTALL 18" W. X 36" D. X 90" H. STEEL LOCKERS WITH FOOTLOCKER BY SENTINEL TYPICAL OF (33), COLOR: GRAY. 3'-0" X 1'-6" IN MEN'S LOCKER ROOM & (3) IN CHANGING ROOM.
 NOT LESS THAN 5% OF LOCKERS SHALL BE ACCESSIBLE. UNOBSTRUCTED FORWARD HIGH REACH MAX. SHALL BE 48". LOW REACH RANGE SHALL BE 15" MIN. PROVIDE SYMBOL OF ACCESSIBLE STICKER ON ACCESSIBLE LOCKER DOOR.
- (E) ICE MACHINE AND WATER SOFTENER TO BE RELOCATED INTO NEW JANITOR ROOM.
- O.F.O.I. FURNITURE.
- NEW 2'-0" X 2'-0" FLOOR MOP SINK.
- NEW WATER HEATER. TO BE SPEC'D BY PLUMBING.
- INSTALL CHAIR RAIL. SEE FINISH PLAN
- INSTALL (N) FLOOR DRAIN. SEE PLUMBING PLAN
- INSTALL TRANSFORMER AND ELECTRICAL PANEL. SEE ELECTRICAL SHEET E3.2 AND STRUCTURAL 12/S5.1 FOR MOUNTING DETAIL.

WALL LEGEND:

- (E) INTERIOR FRAMED WALL TO REMAIN
- (E) HOLLOW CMU BLOCK WALL TO REMAIN
- TYPICAL PARTITION WALL:**
 CORE - 3 5/8" x 20 GA. METAL STUDS AT 2'-0" O.C. FRAME WALLS TO 6" ABOVE CEILING.
 INT. FINISH - 1 LAYER OF 5/8" TYPE 'X' G.W.B. EACH SIDE FULL HEIGHT OF WALL. SEE DETAIL B3/A5.0
- TYPICAL FULL HEIGHT PARTITION WALL:**
 CORE - 3 5/8" x 20 GA. METAL STUDS AT 2'-0" O.C. FRAME WALLS TO B.O. ROOF FRAMING.
 INT. FINISH - 1 LAYER OF 5/8" TYPE 'X' G.W.B. EACH SIDE FULL HEIGHT OF WALL. SEE DETAIL B4/A5.0
- PLUMBING WALL:**
 CORE - 6" x 20 GA. METAL STUDS AT 2'-0" O.C.
 INT. FINISH - 5/8" TYPE 'X' G.W.B. ON EACH SIDE FULL HEIGHT OF WALL. SEE DETAIL B5/A5.0
- FURRING WALL:**
 CORE - 6" x 20 GA. METAL STUDS @ 2'-0" O.C. FRAME WALL FULL HEIGHT TO MATCH ADJACENT CMU BLOCK WALL.
 INT. FINISH - 1 LAYER OF 5/8" TYPE 'X' G.W.B. ON ROOM SIDE. FRAME WALL OF WALL. SEE DETAIL C3/A5.0
- EXTERIOR 8" INFILL WALL:**
 CORE - 6" x 20 GA. METAL STUDS @ 2'-0" O.C.
 EXT. FINISH - 3-COAT EXTERIOR PLASTER ASSEMBLY (1" OVERALL THICKNESS), O/ METAL LATH, O/ (2) LAYERS SYNTHETIC WATERPROOF MEMBRANE, O/ BITUTHENE, O/ 1/2" PLYWD SHEATHING, O/ METAL STUDS. SEE DETAILS C4/A5.0 & C5/A5.0
 INT. FINISH - NOT REQUIRED (INT. FURRING WALL WILL BE FINISHED)



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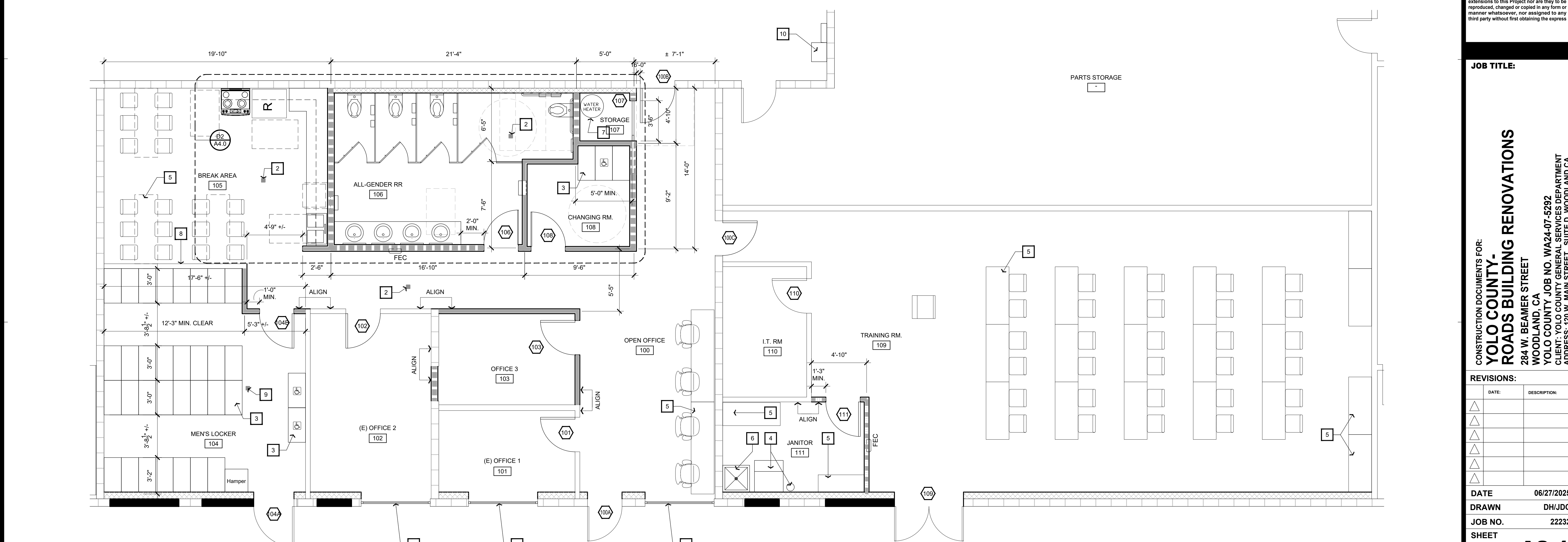
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F5 FLOOR PLAN
 SCALE: 1/4" = 1'-0"

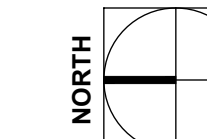
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F
E
D
C
B
A

CEILING & INSULATION LEGEND

- EXISTING CEILING TO REMAIN
NO MODIFICATIONS. EXISTING CEILING TO REMAIN.
- G.W.B. CEILING:
(1) LAYER 5/8" TYPE 'X' G. WB. O/ 3-5/8" 20 GA METAL JOISTS SPACED 2'-0" O.C. INCLUDE 6" UNFACED BATT INSULATION.
- G.W.B. CEILING:
(1) LAYER 5/8" TYPE 'X' G. WB. O/ WOOD ROOF JOISTS SPACED 2'-0" O.C. INCLUDE 6" UNFACED BATT INSULATION.
- 2' x 4' SUSPENDED T-BAR GRID WITH LAY-IN CEILING PANELS:
T-BAR GRID AND LAY-IN CEILING WITH A ACOUSTICAL CEILING TILES BY ARMSTRONG OR EQUAL.
- 3 1/2" FORMALDEHYDE FREE MINERAL FIBER INSULATION IN WALL
FOR SOUND ATTENUATION, FRICTION FIT BETWEEN STUDS FULL HEIGHT OF WALL.
- R-21 UNFACED THERMAL INSULATION BATTS. FRICTION FIT BETWEEN STUDS U.N.O.
- INDICATES CORNER BRACING. SEE DETAIL D3/A5.0
- + 0'-0" INDICATES CEILING HEIGHT

NOTE:
CEILING FIXTURES SUPPORT (i.e. LIGHT & SIM. FIXTURES) SHALL BE SUPPORTED PER C.B.C. (CURRENT EDITION) SECTION 1613.1 AND ASCE 7-16 STANDARDS. FIXTURES WEIGHING LESS THAN 56 POUNDS SHALL HAVE, IN ADDITION TO THE STANDARDS MENTIONED ABOVE, TWO No. 12 GA. WIRE HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK. FIXTURES WEIGHING 56 POUNDS OR MORE SHALL BE SUPPORTED WITH APPROVED HANGERS DIRECTLY FROM THE STRUCTURE ABOVE.

GENERAL NOTES

A. REFER TO ELECTRICAL DRAWINGS FOR NEW LIGHT FIXTURES AND POWER SUPPLY AT CEILINGS.

B. SEE MECHANICAL DRAWINGS FOR NEW HVAC SUPPLY AND RETURN LOCATIONS.

KEYNOTES

- ATTIC ACCESS HATCH.
- CORNER BRACING



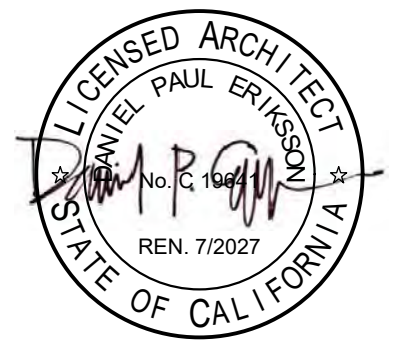
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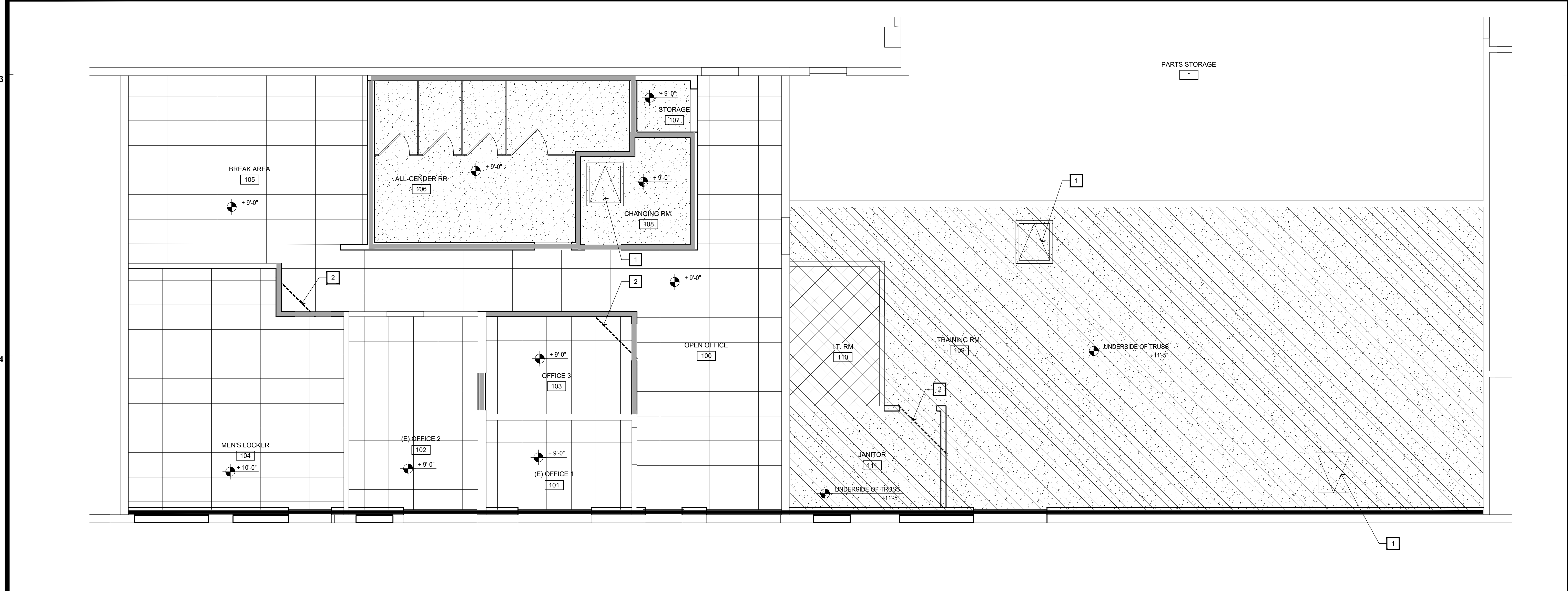
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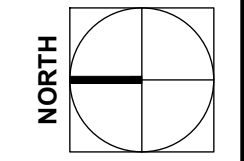
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F5 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



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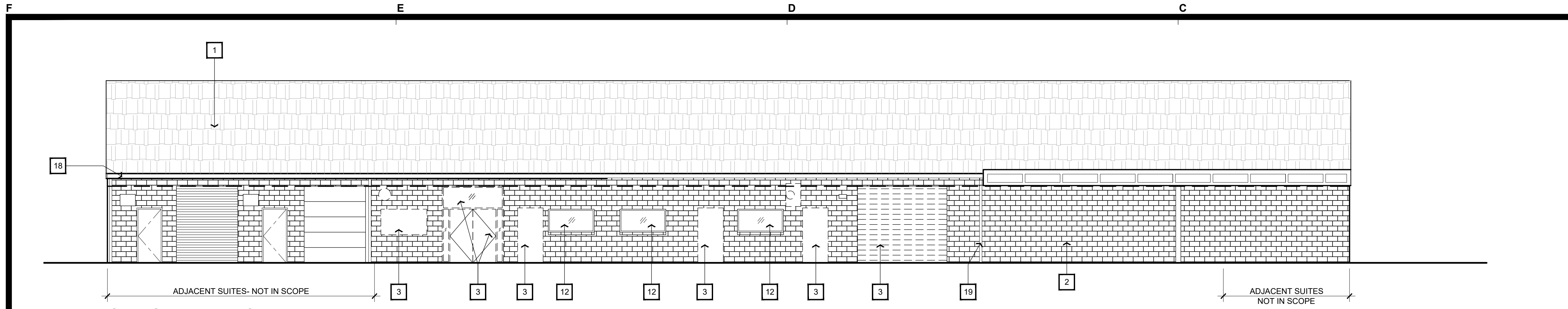
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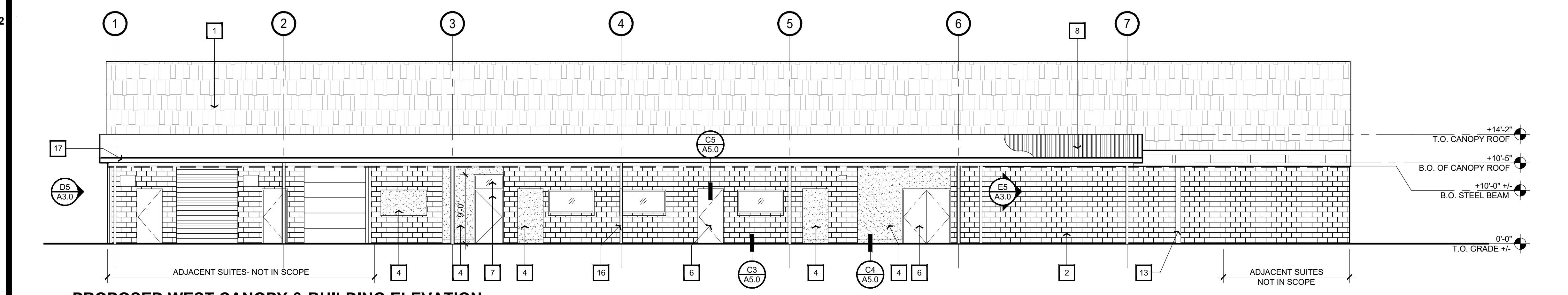
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SHEET

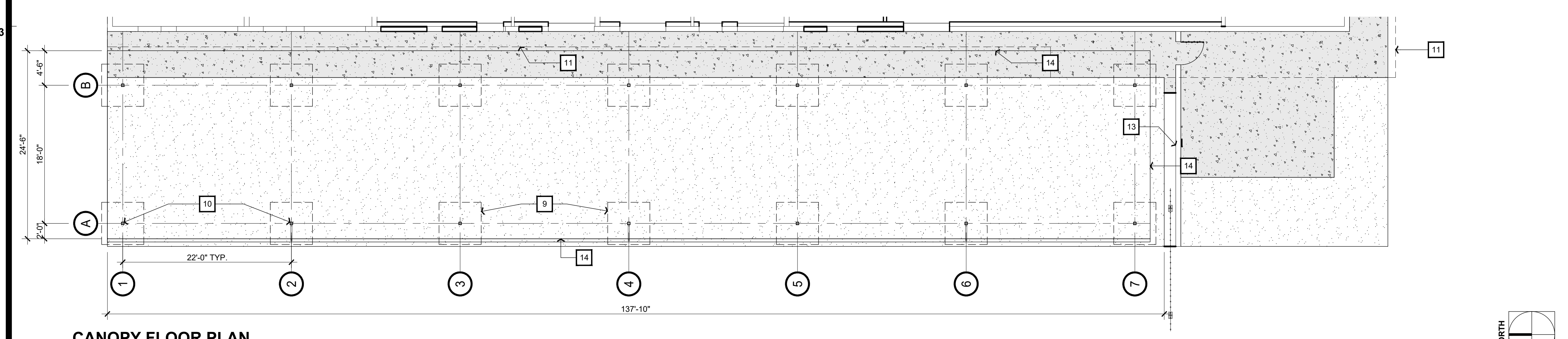
A2.2
REFLECTED CEILING
OF 15 SHEETS



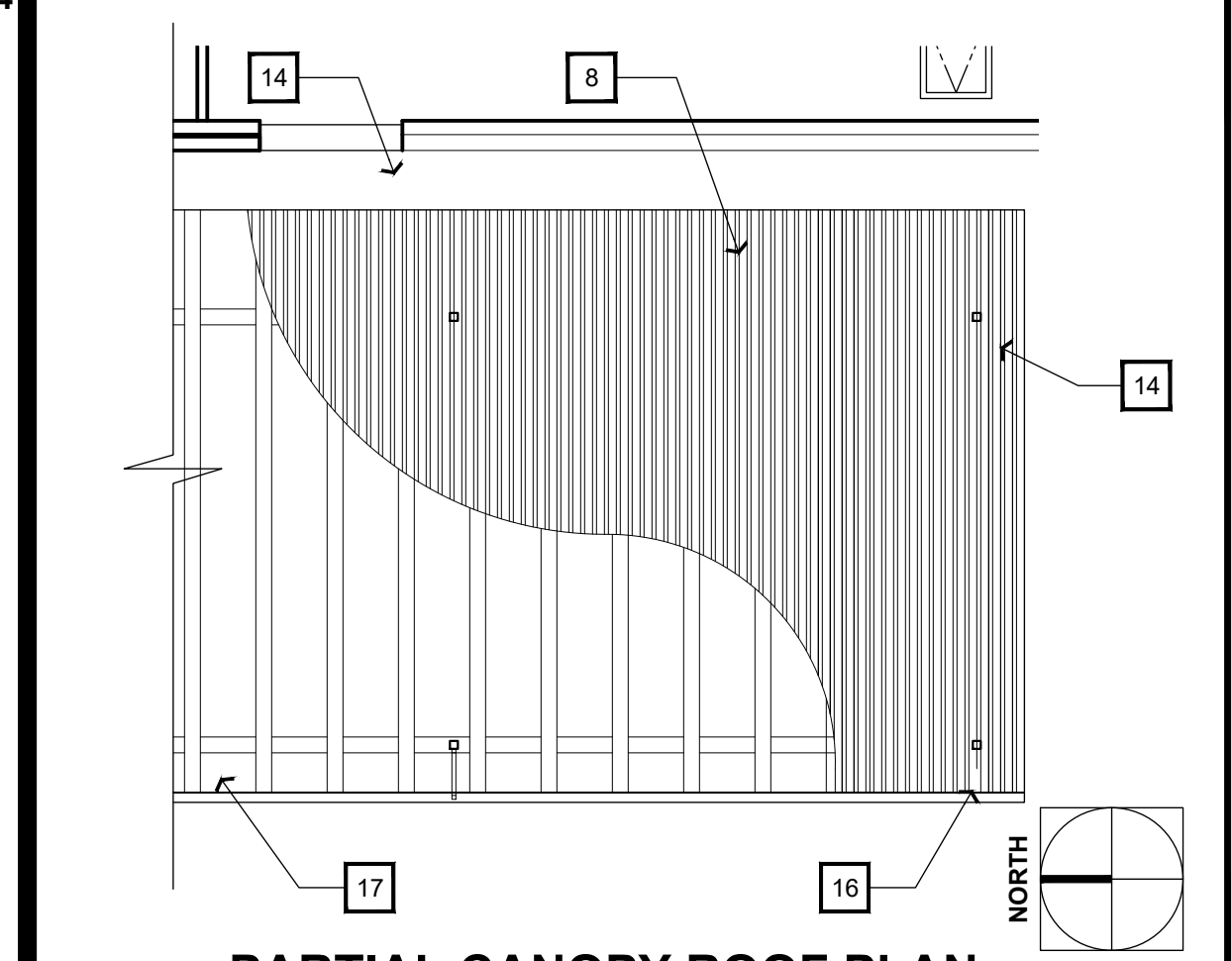
F2 DEMO WEST ELEVATION
SCALE: 1/8" = 1'-0"



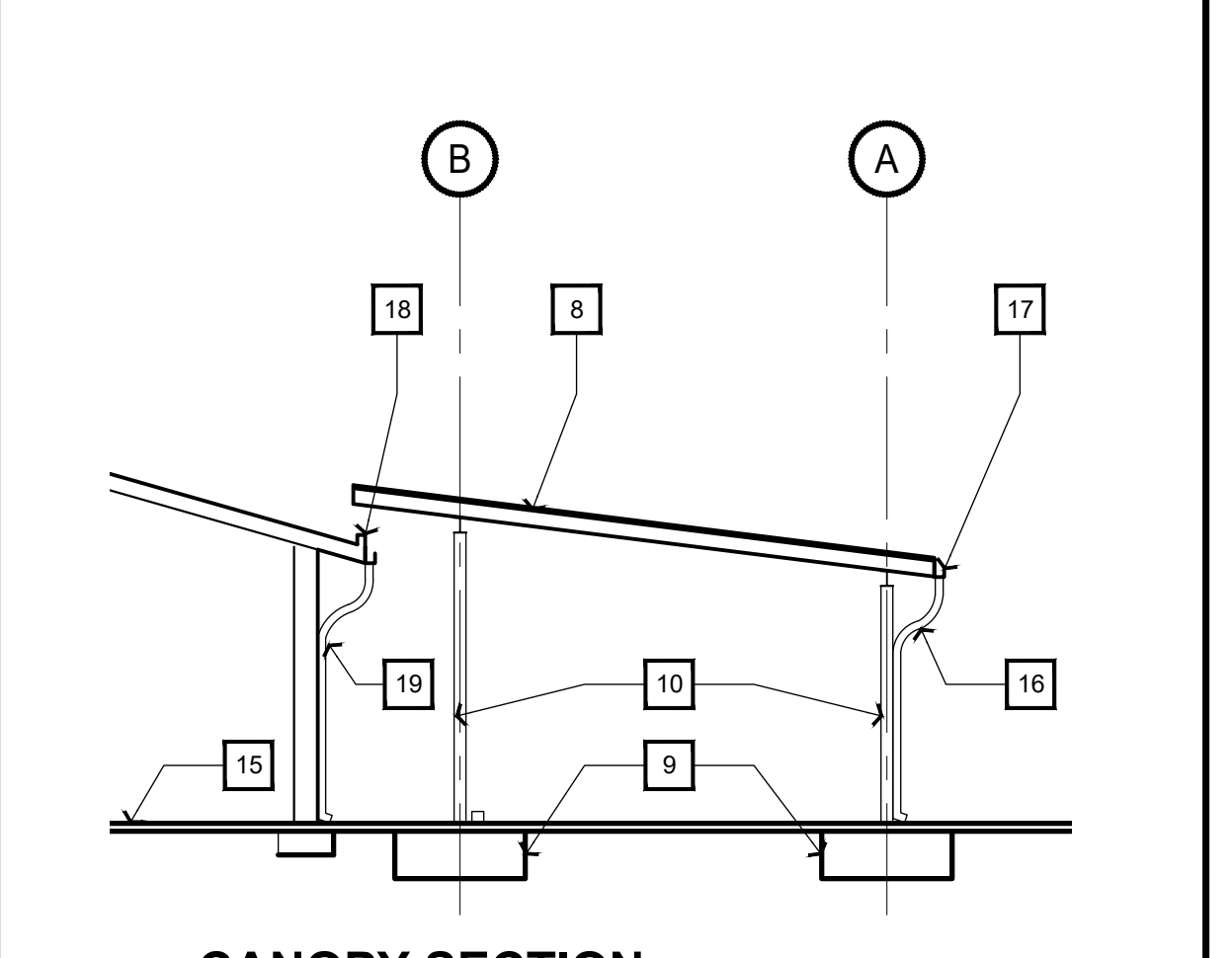
F3 PROPOSED WEST CANOPY & BUILDING ELEVATION
SCALE: 1/8" = 1'-0"



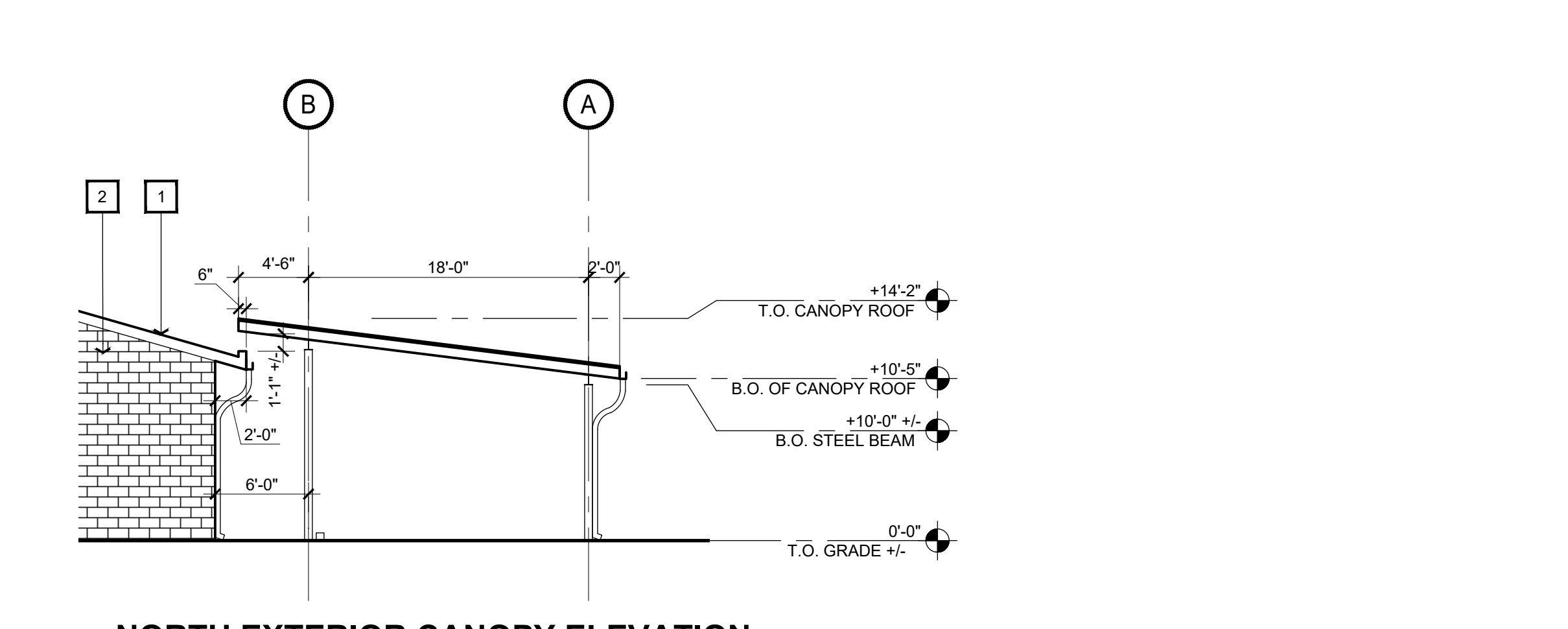
F4 CANOPY FLOOR PLAN
SCALE: 1/8" = 1'-0"



F5 PARTIAL CANOPY ROOF PLAN
SCALE: 1/8" = 1'-0"



E5 CANOPY SECTION
SCALE: 1/8" = 1'-0"



D5 NORTH EXTERIOR CANOPY ELEVATION
SCALE: 1/8" = 1'-0"

- KEY NOTES:**
- (E) ASPHALTIC SHINGLE ROOF.
 - (E) MASONRY FACADE.
 - REMOVE (E) DOOR OR WINDOW
 - FRAME OPENING WITH (N) 6" METAL STUDS WITH EXTERIOR 3-COAT PLASTER WALL ASSEMBLY FINISH. EXTERIOR PAINT COLOR TO NEAREST MATCH EXISTING WALL.
 - NOT USED
 - INSULATED 3'-0" H.M. EXTERIOR MAN DOOR. SEE DOOR SCHEDULE ON SHEET A2.1.
 - INSULATED 3'-6" H.M. EXTERIOR MAN DOOR WITH (N) GLAZING ABOVE. SEE DOOR SCHEDULE ON SHEET A2.1.
 - CANOPY ROOF TO BE MADE SOLAR READY. SEE STRUCTURAL FOR SIZE AND SPACING OF THE ROOF CONSTRUCTION.
 - CANOPY FOOTINGS. SEE STRUCTURAL
 - HSS 6X6X1/4 CANOPY COLUMNS. SEE STRUCTURAL.
 - EDGE OF (E) BUILDING ROOF.
 - (E) GLAZING TO REMAIN.
 - (E) MASONRY SITE WALL.
 - EDGE OF (N) CANOPY ROOF.
 - (E) CONCRETE SLAB ON GRADE.
 - (N) METAL DOWNSPOUT, TYP. AT CANOPY, LOCATED AT GRIDLINES 2, 4, & 6.
 - (N) METAL GUTTER, TYP. AT CANOPY.
 - (E) METAL GUTTER, TYP. AT BUILDING.
 - (E) METAL DOWNSPOUT, TYP. AT BUILDING.



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284 W. BEAMER STREET
WOODLAND, CA
YOLO COUNTY JOB NO. WA24-07-5292
CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
ADDRESS: 120 W. MAIN STREET, SUITE D, WOODLAND CA

REVISIONS:

DATE:	DESCRIPTION:

DATE 06/27/2025
DRAWN DH/JDC
JOB NO. 22232

SHEET **A3.0**
OF 15 EXTERIOR ELEV. AND CANOPY SHEETS

FINISH SCHEDULE:

ROOM NAME	FLOOR*	BASE	WALLS*				CASEWORK			CEILING	WINDOW COVERINGS
			N	E	S	W	TOP	FRONT	CEILING		
100	ROADS OPEN OFFICE	F1	B1	P1	P1	P2	P1	-	-	C1	W1
101	(E) OFFICE 1	F1	B1	P1	P1	P1	P1	-	-	C1	W1
102	(E) OFFICE 2	F1	B1	P1	P1	P1	P1	-	-	C1	W1
103	OFFICE 3	F1	B1	P1	P1	P1	P1	-	-	C1	-
104	MEN'S LOCKER	F1	B1	P1	P1	P1	P1	-	-	C1	-
105	BREAK AREA	F1	B1	P2	P1	P1	P1	WC2	CW1	CW2	C1
106	ALL GENDER RESTROOM	F1	B1	P3/WC1	P3/WC1	P3/WC1	P3/WC1	CW1	-	-	C2
107	STORAGE	F1	B1	P1	P1	P1	P1	-	-	-	C2
108	CHANGING ROOM	F1	B1	P1	P1	P1	P1	-	-	-	C2
109	TRAINING/CLASSROOM	F1	B1	P1	P1	P2	P1	-	-	-	C2
110	I.T.	F1	B1	P1	P1	P1	P1	-	-	-	(E)
111	JANITOR	F1	B1	P3/WC1	P3	P3	P3/WC1	-	-	-	C2
ALL OTHER ROOMS NOT IN SCOPE OF WORK											

FINISH LEGEND:

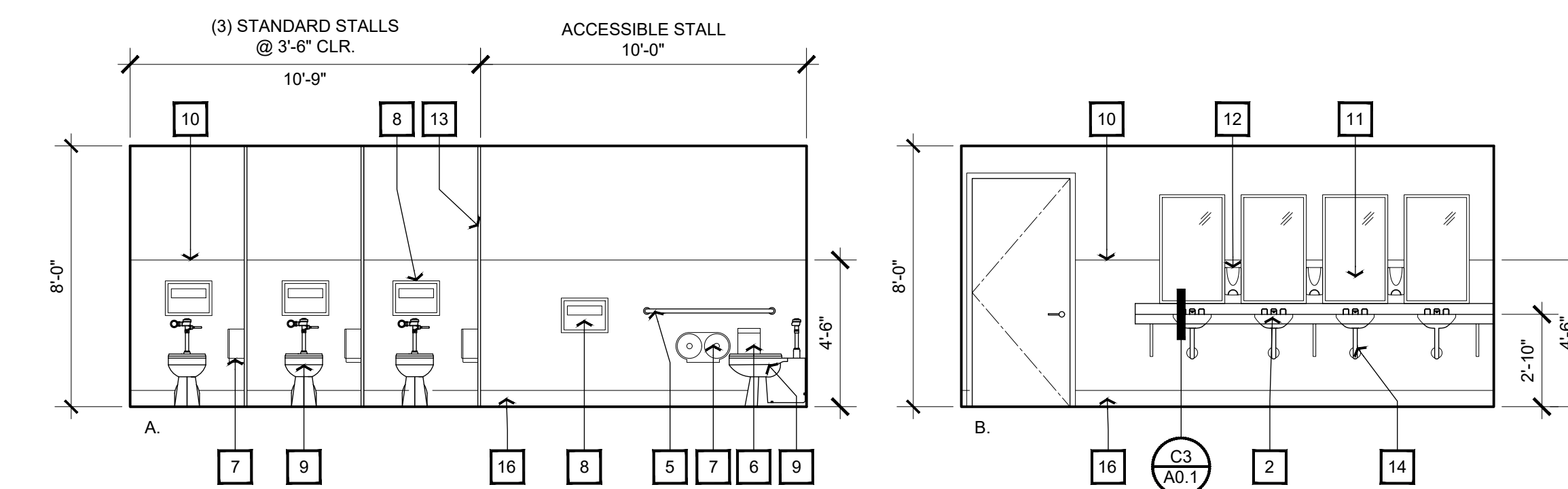
FLOORS: F1 EPOXY COATED FLOORING MANUFACTURER: EPOXY ARMOR SYSTEMS STYLE: CARRERA COLOR: GRANITE	WALL PAINTS: P1 FIELD PAINT-SATIN FINISH MANUFACTURER: BEHR COLOR: CHOCOLATE FROTH 720C-2 OPTIONAL: DUNN EDWARDS - LINEN WHITE DEC749
BASE: B1 6" SELF COVERED EPOXY BASE	P2 ACCENT PAINT-SATIN FINISH MANUFACTURER: BENJAMIN MOORE COLOR: SMOKE EMBERS AC-28 OPTIONAL: DUNN EDWARDS - GRAY PEARL DEC795
WALL COVERING: WC1 4'-0" FRP INSTALLED ABOVE THE BASE MANUFACTURER: GENERIC COLOR: WHITE	P3 RESTROOM WALL PAINT- SEMI GLOSS MANUFACTURER: BENJAMIN MOORE COLOR: SNOW WHITE 2122-70 OPTIONAL: DUNN EDWARDS - CATALINA DEW372
WC2 6" TRIM, CHAIR RAIL. MOUNTING HEIGHT TO BE VERIFIED PRIOR TO INSTALLATION	CASEWORK: CW1 COUNTERTOP- PLASTIC LAMINATE MANUFACTURER: WILSONART COLOR: DESIGNER WHITE D354-60
WINDOW COVERINGS: W1 2" WIDE HORIZONTAL BLINDS MANUFACTURER: HUNTER DOUGLAS MODEL: EVERWOOD	CW2 CABINET FACE- PLASTIC LAMINATE MANUFACTURER: WILSONART COLOR: CEMENT D503-60
	CEILING: C1 ACOUSTICAL CEILING 2' X 4' MANUFACTURER: TBD STYLE: TBD
	C2 G. WB. CEILING
	OPEN OPEN TO CEILING ABOVE

FINISH NOTES:

- PAINT WALLS (1) COAT PRIMER, (2) COATS FINISH, U.N.O.
- USE SEMI-GLOSS PAINT AT ALL WET AREAS.
- VERIFY ALL COLORS WITH THE OWNER.
- ADVISE ARCHITECT OF ANY COMPATIBILITY PRIOR TO INSTALL.
- PRIMER TO BE TINTED TO MATCH FINAL COAT.
- PREPARE AND INSTALL ALL PRODUCTS STRICTLY PER MANUFACTURERS SPECIFICATIONS.
- INTERIOR OF CASEWORK TO BE WHITE MELANINE.

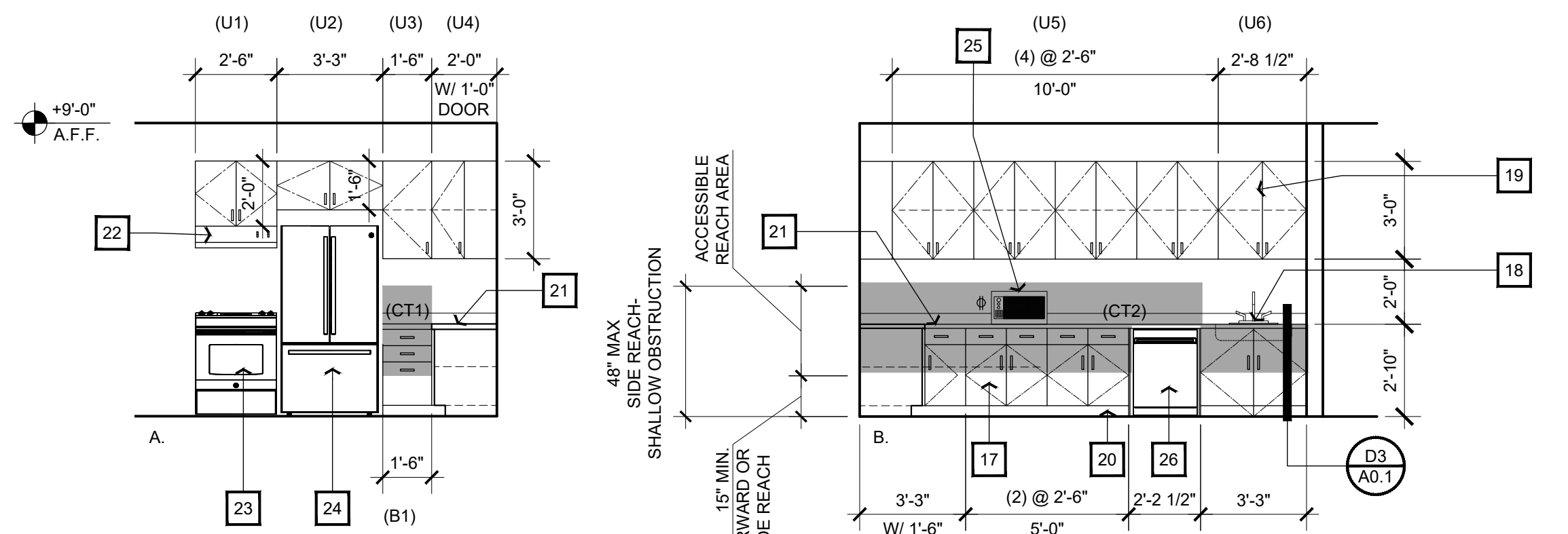
D2 ENLARGED RESTROOMS & CASEWORK

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



D3 RESTROOM INT. ELEVATIONS

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



D4 BREAK ROOM INT. ELEVATIONS

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

MILLWORK 50% STORAGE CALCS.									
	CABINET TAG	ACCESSIBLE SHELF / DRAWER COUNT	INACCESSIBLE SHELF / DRAWER COUNT	WIDTH (IN)	DEPTH (IN)	AREA PER SHELF / DRAWER (IN SQ)	ACCESSIBLE STORAGE AREA (IN SQ)	INACCESSIBLE STORAGE AREA (IN SQ)	TOTAL STORAGE AREA (IN SQ)
COUNTERTOPS	CT1	1	0	18	24	432	432	0	432
	CT2	1	0	125.5	24	3012	3012	0	3012
UPPER CABINETS	U1	0	1	30	12	360	0	360	360
	U2	0	1	39	12	468	0	468	468
	U3	0	2	18	12	216	0	432	432
	U4	0	2	24	12	288	0	576	576
	U5	0	2	120	12	1440	0	2880	2880
	U6	0	2	32.5	12	390	0	780	780
BASE CABINETS	B1	3	0	18	24	432	1296	0	1296
	B2	2	1	39	24	936	1872	936	2808
	B3	2	1	60	24	1440	2880	1440	4320
	B4	0	1	39	24	936	0	936	936
TOTALS:							9492	8808	18300
ACCESSIBILITY STORAGE PERCENTAGE:							9,492 / 18,300 = 52%		

SHEET NOTES:

- VERIFY ALL FINISHES, EQUIPMENT AND HARDWARE WITH OWNER.
- PROVIDE HORIZONTAL BACKING FOR WALLS WITH WALL MOUNTED CASEWORK OR EQUIPMENT.
- FOR ACCESSIBILITY NOTES AND DETAILS SEE SHEET A0.1.
- MILLWORK IS SHOWN FOR GENERAL REFERENCE ONLY. CABINET FABRICATOR IS RESPONSIBLE FOR COORDINATING CABINET DESIGN WITH LESSOR/ LESSEE AND FOR PROVIDING SHOP DRAWINGS FOR FINAL DESIGN APPROVAL TO LESSOR/ LESSEE.
- ALL MILLWORK SHALL BE CONSTRUCTED PER THE WOODWORK INSTITUTE'S "CUSTOM GRADE" SPECIFICATIONS. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL PRIOR TO FABRICATION OF CASEWORK.
- ALL EXPOSED AND SEMI-EXPOSED SURFACES SHALL BE PLASTIC LAMINATE, SOLID SURFACE, OR PHENOLIC RESIN PER FINISH SCHEDULE. ALL CONCEALED SURFACES SHALL BE MELAMINE OR APPROVED EQUAL LOW-PRESSURE LAMINATE.
- INTERIOR SHELVES SHALL BE ADJUSTABLE WITH PEGGED SUPPORTS.
- ALL PULLS ON DRAWERS AND DOORS TO BE 4" WIRE PULLS, U.N.O.

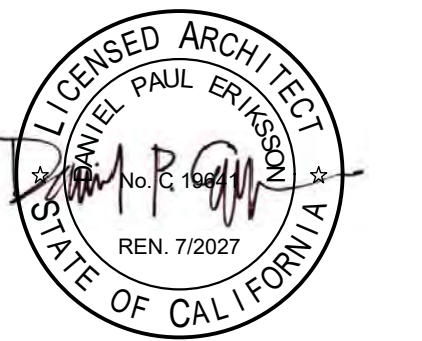
KEY NOTES:

- INSTALL WALL MOUNTED TACTILE SIGNAGE ON THE LATCHSIDE OF THE DOOR AND DOOR MOUNTED PICTOGRAM SIGNAGE. SEE DETAIL C2/A0.1. TO BE PROVIDED AT MAIN RESTROOM DOOR, EACH INDIVIDUAL TOILET ROOM, AND SHOWER ROOM.
- INSTALL 2'-0" DEEP P.LAM COUNTER WITH 4" BACKSPLASH AND RETURN WITH ACCESSIBLE SINK.
- ACCESSIBLE CLEAR SPACE AND TURN AROUNDS:
3A. 2'-6" X 4'-0" ACCESSIBLE CLEAR SPACE.
3B. 5'-0" X 4'-11" ACCESSIBLE CLEAR SPACE AT WATER CLOSET.
3C. 4'-0" X 5'-0" ACCESSIBLE CLEAR SPACE IN FRONT OF WATER CLOSET.
3D. 5'-0" DIA ACCESSIBLE CLEAR MANEUVERING SPACE AND TURN AROUND
- INSTALL ACCESSIBLE SEMI-RECESSED PAPER TOWEL DISPENSER W/ WASTE RECEPTACLE
- INSTALL STAINLESS STEEL GRAB BARS: 4'-0" LONG X 1 1/2" Ø GRAB BAR ON THE SIDE WALL AND 3'-0" LONG X 1 1/2" Ø GRAB BAR ON THE BACK WALL OF THE WATER CLOSET. MODEL: T.B.D.
- INSTALL SURFACE MOUNTED SANITARY NAPKIN DISPOSAL, TYP. MODEL: HOSPECO #T9FB2685329 PER YOLO COUNTY GSD STANDARDS. TYPICAL ALL STALLS.
- INSTALL SURFACE MOUNTED DUAL-ROLL TOILET PAPER ROLL DISPENSER, TYP. MODEL: TORK SC-56TR PER YOLO COUNTY GSD STANDARDS.
- INSTALL SURFACE MOUNTED TOILET SEAT COVER DISPENSER, TYP. MODEL: T.B.D.
- INSTALL ACCESSIBLE WATER CLOSET WITH FLUSH ON WIDE SIDE OF THE STALL, TYP.
- INSTALL 4'-0" WALL FRP TO +4'-6" OVER 6" HIGH EPOXY WALL BASE. UNIFORM THROUGHOUT ALL RESTROOM WALLS.
- (4) 3'-0" X 2'-0" STAINLESS STEEL FRAMED MIRROR WITH BOTTOM OF REFLECTIVE SURFACE AT +3'-4" MAX. A.F.F. CENTERED ABOVE EA SINK TYP.
- WALL MOUNTED SOAP DISPENSER. TYPICAL OF 3, ADJACENT EACH RESTROOM SINK MODEL: BUCKEYE SYMMETRY STEALTH PRESTIGE #B063-51 PER YOLO COUNTY GSD STANDARDS.
- FULL HEIGHT TOILET PARTITION. SCRANTON PRODUCTS ARIA PARTITIONS OR SIMILAR - SEE FINISH NOTES FOR ADDITIONAL INFORMATION. TYPICAL THROUGHOUT RESTROOM
- WRAP ALL PIPES UNDER COUNTER.
- CLOTHING HOOKS: INSTALL 2 AT EACH PARTITION DOOR IN TOILET ROOMS. INSTALL (1) AT ACCESSIBLE HEIGHT, AND (1) AT 5'-0" A.F.F. MODEL: T.B.D.
- 6" HIGH CONTINUOUS EPOXY BASE.
- 2'-0" DEEP MAX P.LAM FACED BASE CABINETS WITH ADJUSTABLE SHELVED AND DRAWERS WITH ACCESSIBLE PULLS.
- ACCESSIBLE SINK WITH CABINET OPEN TO BELOW TO HAVE INTEGRAL KICK. WRAP EXPOSED PLUMBING PIPING, AND A 3/4 HP BACKSET GARBAGE DISPOSAL.
- 1'-0" DEEP P.LAM. FACED UPPER CABINETS WITH ADJUSTABLE SHELVES.
- 4" HIGH TOE SPACE WITH TOPSET BASE.
- PLAM BREAK ROOM COUNTERTOP.
- HOOD WITH ADA COMPLIANT SWITCH.
- RANGE.
- REFRIGERATOR.
- MICROWAVE
- DISHWASHER
- WATER HEATER



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JOB TITLE:

CONSTRUCTION DOCUMENTS FOR:
YOLO COUNTY - ROADS BUILDING RENOVATIONS
284 W. BEAMER STREET
WOODLAND, CA
YOLO COUNTY JOB NO. WA24-07-5292
CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
ADDRESS: 120 W. MAIN STREET, SUITE D, WOODLAND CA

REVISIONS:

DATE	DESCRIPTION

DATE 06/27/2025

DRAWN DH/JDC

JOB NO. 22232

SHEET

A4.0
INT. ELEV. & ENLRG.
R.R. PLAN
SHEETS

OF 15

Wood

- 1. All sawn lumber shall be Douglas Fir-Larch as graded by the West Coast Lumber Inspection Bureau (WCLB) in accordance with Standard Grading Rules No. 17 typical unless noted otherwise. All members shall have a minimum grade of No. 1 except 2x4 and 2x6 wall studs, plates, and blocking may be No. 2.
2. All structural sheathing used for shearwalls and roof sheathing shall conform to the requirements for their type in DGC PSI, DGC P52 or ANSI/APA PRP 210. Each panel or member shall be identified for grade, bond classification, and performance category by the trademarks of an approved testing and grading agency.
3. All foundation plates or sills on concrete slabs which are in direct contact with earth, and plates or sills on concrete or masonry foundations, shall be pressure treated.
4. All wood shall have a moisture content of not more than 19% when sheathing is applied.
5. 8" minimum clearance shall be maintained at all exterior walls between finish grade and bottom of wood walls.
6. Bearing and shearwalls shall have double top plates lapped at wall corners and intersections and plates shall be internalled with 3-16d at such locations. For plate splice details, see drawings.
7. Sill plate anchor bolts shall be installed with plate washers 3x3x0.224 between nut and plate.
8. The clearance hole for the shank shall have the same diameter as the shank, and the same depth of penetration as the length of unthreaded shank.
9. Provide solid blocking between joists and rafters at all supports.
10. Joists under and parallel to partitions shall be doubled and nailed together.
11. Holes for bolts in wood shall be bored with a bit of the same nominal diameter as the bolt plus 1/16".
12. Holes for lag screws shall be bored as follows:
a. The clearance hole for the shank shall have the same diameter as the shank, and the same depth of penetration as the length of unthreaded shank.
b. The lead hole for the threaded portion shall have a diameter equal to 60% to 75% of the shank diameter and a length equal to at least the length of the threaded portion.
13. Lag screws and wood screws shall be screwed and not driven into place. Soap may be used to lubricate the screws.
14. All bolts and lag screws shall be provided with metal washers under heads and nuts which bear on wood. Applies also to inserted expanding fasteners, Red Head, etc.

Table with 3 columns: Bolt Diameter, MI Washer, Steel Washer. Rows include 3/8", 3/4", 7/8", and 1" diameters with corresponding washer sizes.

- 15. All bolts and lag screws shall be tightened at installation and retightened before closing in or at completion of job.
16. Lay all structural sheathing on roof and floors with face grain perpendicular to support typical unless noted otherwise. Use ply-clips at unsupported sheathing edges.
17. Connector hardware model number are those for Simpson Strong-Tie Company. All joist hangers shall be Simpson U series unless noted otherwise. Equivalent connectors with ICC acceptance may be submitted for review as an alternate.
18. Notify Structural Engineer after wall, floor, and roof sheathing nailing has been completed and a minimum of 48 hours prior to concealing sheathing.
19. Fasteners, nuts, and washers in contact with SBX/DOT and zinc borate treated wood in interior dry conditions may be carbon steel. Fasteners in other preservative-treated wood (Anchor bolts, nails, screws) shall be approved silicon bronze or copper, stainless steel or hot-dipped zinc-coated steel per CBC 2304.10.3.1 v.n.o.

Adhesive Anchor Notes - Concrete

- 1. Use Hilti HIT-HY 200 V3 Epoxy Adhesive Anchors as manufactured by Hilti, Inc., Tulsa, Oklahoma. ICC Report No. ESR-4368 Reissued November 2024.
2. Installation of anchors shall be in accordance with the manufacturer's recommendations, ICC report and these notes.
3. Special inspection is required for Allowable Tension values indicated on plans or details.
4. Tension Test Load values are based on 80% of twice the tension values listed.
5. Allowable loads may be increased for duration of loads such as wind or seismic forces.
6. Each anchor type (loaded in either pullout or shear) shall have 50% of the anchors (alternate in each group arrangement) tested in tension to the tension loads shown in the plans. If any anchor fails testing, all anchors of the same type not previously tested shall be tested until 20 consecutive anchors pass, then resume the initial testing frequency.
7. When installing anchors in existing concrete do not cut or damage existing reinforcing bars.
8. The testing of the anchors shall be done by the Testing Laboratory and a report of the test results shall be submitted to Architect/Structural Engineer. Testing shall occur 24 hrs. minimum after the installation of the anchors.
9. Where the number of anchors of a specific size and type exceed 100, the following testing procedure may be used. The first 40 anchors shall be tested as specified in note 6 above. 10% of additional anchors shall be tested. Any failure shall be handled in the same manner as specified in note 6 above.
10. Anchors installed in metal deck with concrete shall be installed in the center of the low flute of the decking.

Expansion Anchors-Masonry: (Carbon Steel)

- 1. Use Hilti Knik Bolt-TZ2 (KB-TZ2) Expansion Anchors as manufactured by Hilti, Inc., Tulsa Oklahoma. ICC-ES Report No. ESR-4561 issued December 2023.
2. Installation of anchors shall be in accordance with the manufacturer's recommendations, ICC-ES Report, and these notes.
3. Special inspection is required in accordance with the 2022 CBC Section 1704 (DSA/OSHPD shall be per 1704.A) & the ESR report. Special Inspector must verify product, expiration date, masonry compressive strength, anchor diameter and steel grade, compliance of drill bit, hole diameter and location (spacing and edge distance), cleanliness of hole and anchor, and anchor embedment.
4. Each anchor type (loaded in either pullout or shear) shall be torque tested to the appropriate test load shown in the table. If any anchor fails testing, all anchors of the same type not previously tested shall be tested until 20 consecutive anchors pass, then initial testing frequency may be resumed.
5. When installing anchors in existing masonry, do not cut or damage existing reinforcing bars. Locate existing reinforcing bars with pachometer or x-ray if required.
6. The testing of the anchors shall be done by the Testing Laboratory and a report of the test results shall be submitted to the Building Dept. and Architect/Structural Engineer.

Table with 3 columns: Anchor Diameter, Nominal Embed, Installation Torque (ft-lbs). Rows for 3/8", 1/2", 3/4", and 1" diameters.

Nailing Schedule

- 1. All nails for structural work shall be common wire nails conforming to the following minimum sizes:
8d 0.131"x0.215"
10d 0.148"x0.3"
10d shorts 0.148"x0.15" plus thickness of shtg
16d 0.162"x0.315"
20d 0.192"x0.4"
2. Provide nails at connections as indicated on the structural drawings. Where nails at connections are not indicated nail per nailing schedule in note 5.
3. Nailing not noted in schedule or on plans shall be a minimum of two nails at each contact. 8d nails for 1" material and 16d nails for 2" material.
4. Holes shall be pre-drilled where necessary to prevent splitting.
5. Nailing schedule:

Nailing Schedule table with 3 columns: Connection, Fastening, Location. Rows include Joist to sill or girder, Bridging to joist, 1"x6" subfloor or less, etc.

Abbreviations

- addl..... Additional
alt..... Alternate
AISC..... American Institute of Steel Construction
AFA..... American Plywood Association
ASTM..... American Society for Testing and Materials
AWS..... American Welding Society
AB..... Anchor bolt
&..... And
arch..... Architect/Architectural
@..... At
b.o..... Bottom of
bm..... Beam
brg..... Bearing
brf..... Better
btwn..... Between
blk..... Blocking
BS..... Both sides
bott..... Bottom
BN..... Boundary nail
c/g..... Ceiling
cc..... Center to center
CL..... Center line
clr..... Clear
col..... Column
CP..... Complete Penetration
conc..... Concrete
CMU..... Concrete masonry unit
conn..... Connection
CJ..... Construction Joint
cont..... Continuous
csk..... Countersink
CTJ..... Control Joint
DL..... Dead Load
det..... Detail
diag..... Diagonal
dia..... Diameter
di..... Ditch
D.F..... Douglas Fir
dbl..... Double
dn..... Down
dng..... Drawing
ea..... Each
ea..... Each Face
embed..... Embedment
EN..... Edge Nail
E.W..... Each Way
elev., el..... Elevation
eq..... Equal
equip..... Equipment
(e)..... Existing
EJ..... Expansion Joint
FC..... Face of Concrete
FB..... Face of Block
FM..... Face of Masonry
FP..... Face of Plywood/Sheathing
FS..... Face of Stud
fn..... Finish
F.F..... Finish Floor
F.G..... Finish grade
fir..... Fir
fg..... Footing
frd..... Foundation
f.o..... Face of
frmg..... Framing
galv..... Galvanized
ga..... Gauge
glb..... Glued-laminated beam
g.l..... Grid Line
hgr..... Hanger
hdr..... Header
ht..... Height
HSB..... High strength bolt
HSS..... Hollow Steel Section
hk..... Hook
horiz..... Horizontal
i.d..... Inside diameter
int..... Interior
inv..... Inverted
jst..... Joist
jh..... Joist hanger
LS..... Lag screw
lt. wt..... Light weight
LL..... Live Load
LLH..... Long leg horizontal
LV..... Long leg vertical
LVL..... Laminated Veneer Lumber
MB..... Machine bolt
mfr..... Manufacturer
mx..... Maximum
mech..... Mechanical
MI..... Malleable Iron
mn..... Minimum
misc..... Miscellaneous
mtl..... Metal
N.I.C..... Not in contract
(n)..... New
n/s..... Not to scale
#..... Number or pounds
oc..... Over
oc..... On center
ONU..... Open web joist
opng..... Opening
opp..... Opposite
O.H..... Opposite Hand
od..... Outside diameter
PP..... Partial penetration
pc..... piece
PI..... Plate
ply..... Plywood
pcf..... Pounds per cubic foot
psf..... Pounds per square foot
psi..... Pounds per square inch
PAF..... Powder Actuated Fasteners
PTDF..... Pressure treated Douglas Fir
r, rad..... Radius
RPWD..... Redwood
reinf..... Reinforcing
req'd..... Required
rf..... Roof
R.O..... Rough opening
R..... Round or diameter
sched..... Schedule
S.A.D..... See architectural drawings
S.E.D..... See electrical drawings
S.M.D..... See mechanical drawings
SMS..... Sheet Metal Screws
SDS..... Simpson Strong-Drive Screws
SDS/TS..... Self drilling self tapping screw
SC..... shear connector 3/8" @ uncl
shg..... Sheathing
shft..... Shift
shs..... Sheet metal screw
sim..... Similar
s.o.g..... Slab on grade
sq..... square
staggered..... staggered
std..... Standard
stl..... Steel
ssl..... Stainless Steel
str..... Stripliner
struct..... Structural
SP..... structural plywood
SPEN..... structural plywood edge nailing
symm..... Symmetrical
TN..... Toe nail
t4b..... Top & bottom
t.o.c..... Top of concrete
t.o.f..... Top of framing
t.o.p..... Top of plate
t.o.s..... Top of steel
t.o.w..... Top of wall
t.g..... Tongue & Groove
TS..... Tub Steel
typ..... Typical
uncl..... Unless noted otherwise
vert..... Vertical
v.i.f..... Verify in field
w..... With
w/o..... Without
WS..... Wood screw
W.F..... Working point
WHS..... Welded headed studs
WLF..... Welded wire fabric
WCLB..... West Coast Lumber Inspection Bureau

Lightgauge Metal Framing

- 1. All metal framing shall be formed from corrosion resistant steel conforming to ASTM A653 or ASTM A1011 with minimum yield strength of 33 ksi for 18 ga and lighter and 50 ksi for 16 ga and heavier.
2. Metal framing shown on the structural drawings shall have channel type sections with stiffened flanges.
3. Metal tracks shall be the same gauge as framing which it supports, unless noted otherwise, with minimum flange width of 1 1/4".
4. Galvanized coating must meet the ASTM C455 specification.
5. Factory punch-outs to be located along the centerline of the webs of the members and have a minimum center-to-center spacing of 24". Punch-outs to have a maximum width=1/2", and a maximum length=4". Lightgauge framing members shall be cut such that the minimum distance between the end of the member and the near edge of the web punch-out=10".
6. All header members shall be un-punched.
7. Design properties of metal framing studs, channels & tracks shall conform to (or exceed) the Steel Stud Manufacturer's Association (SSMA) Product Technical Information catalog & ICC Report # ESR-3064P.

Test and Inspections

- 1. Tests and Inspections shall be provided as required below and shall conform to the requirements of the 2022 CBC, Chapter 17.
2. All test and inspections shall be performed by a certified special inspector from an established Testing & Inspection Company, unless noted otherwise. Jobsite visits by the Structural Engineer do not constitute inspections and are not a substitute for special inspection.
3. The special inspector shall observe the work indicated for conformance with the approved construction documents.
4. The special inspector shall furnish inspection reports to the building department, the engineer or architect of record, and other designated persons. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority and to the building department.
5. The special inspector shall submit a final signed report stating whether the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved construction documents and the applicable workmanship provisions of the 2022 CBC.
6. It is the contractor's sole responsibility to see that these tests and inspections are performed.
7. Required Tests and Inspections are indicated below with a solid filled rectangle.
8. Continuous notation indicates the full-time observation of work requiring special inspection by an approved special inspector who is present at the work area. Periodic notation indicates the intermittent observation of work.

- Tests & Documentation/Certification Required
Note: Coordinate with building department Test & Inspection form.
A. Compact fill
B. Concrete mix design, cement, aggregates & admixtures
C. Concrete strength Fc test
D. Reinforcing steel mill certification
E. Structural steel mill certification
F. Structural steel, cold formed steel, and anchor bolt sampling & testing (if not properly identified)
G. Non-destructive weld test for all complete penetration groove welds by Ultrasonic testing or Radiography
H. Masonry strength fm
I. Masonry mortar, grout, proportion, aggregates, additives
J. Post installed anchors: Expansion / Epoxy Anchors
K. High strength bolts, nuts and washers
L. End-welded studs
M. Buckling Restrained Brace (Load Test)
N. Beam to column moment connection
O. Veneer bond strength test
P. Concrete prestressing tendons and anchorage
Q. Shotcrete preconstruction test
R. Shotcrete strength & core test
S. Prefabricated items
T. Test to support alternative designs
U. Isolator unit prototype & production testing

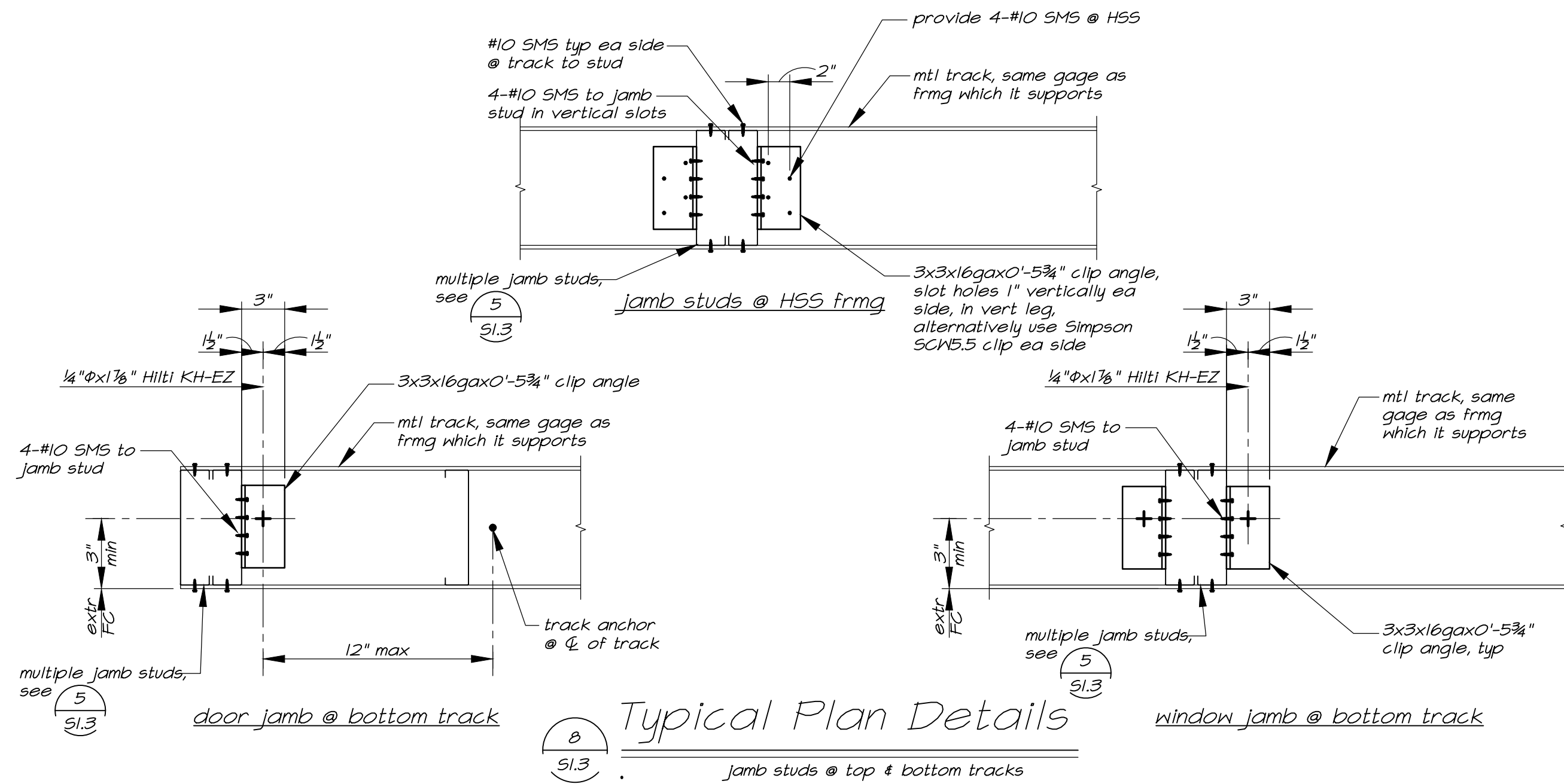
Table with 3 columns: Verification and Inspection, Continuous, Periodic. Rows include STEEL (Material verification, high-strength bolting, welding structural steel), CONCRETE (Concrete placement, reinforcing steel placement, anchors cast in concrete), and WOOD (Verify grade and thickness of sheathing, nominal size of framing members, nail diameter and length, positive connection of wood members).

BEVIER logo and contact information: 2479 Sunrise Blvd. Gold River, CA 95670. Tel: (916) 631-3030. Fax: (916) 631-8996. Web: www.bevier.net. Bevier Job No: 24105.

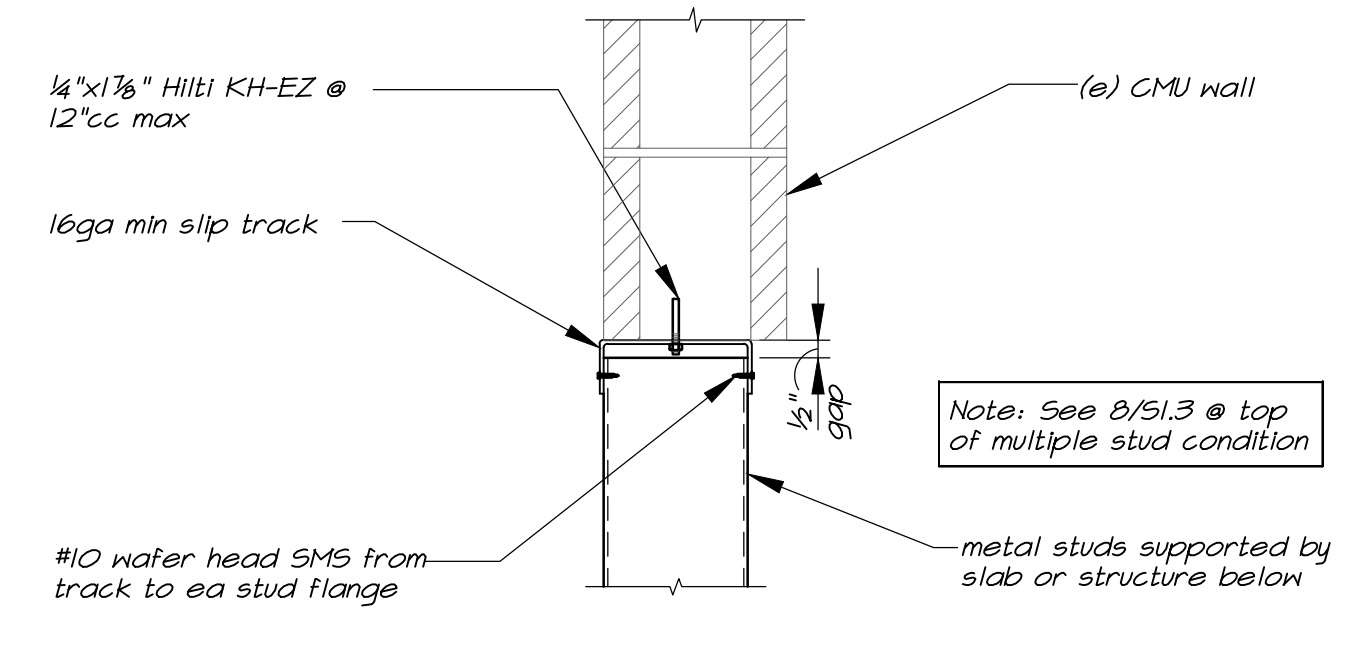
Professional Engineer Seal for Jeffrey R. Kovach, No. 5652, State of California. Electronically Signed On: 10/6/25.

CONSTRUCTION DOCUMENTS FOR: YOLO COUNTY - ROADS BUILDING RENOVATIONS. 284 W. BEAMER STREET WOODLAND, CA. CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT ADDRESS: 120 W. MAIN STREET, SUITE D, WOODLAND CA.

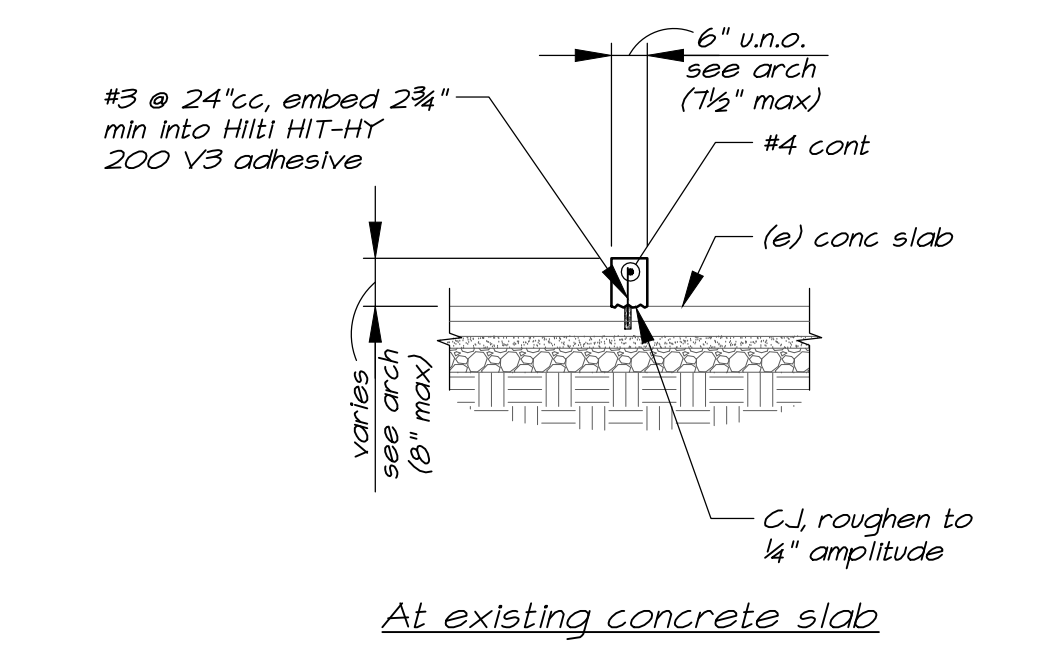
REVISIONS table with DATE and DESCRIPTION columns. SHEET S1.2 GENERAL NOTES OF 7 SHEETS.



Typical Plan Details

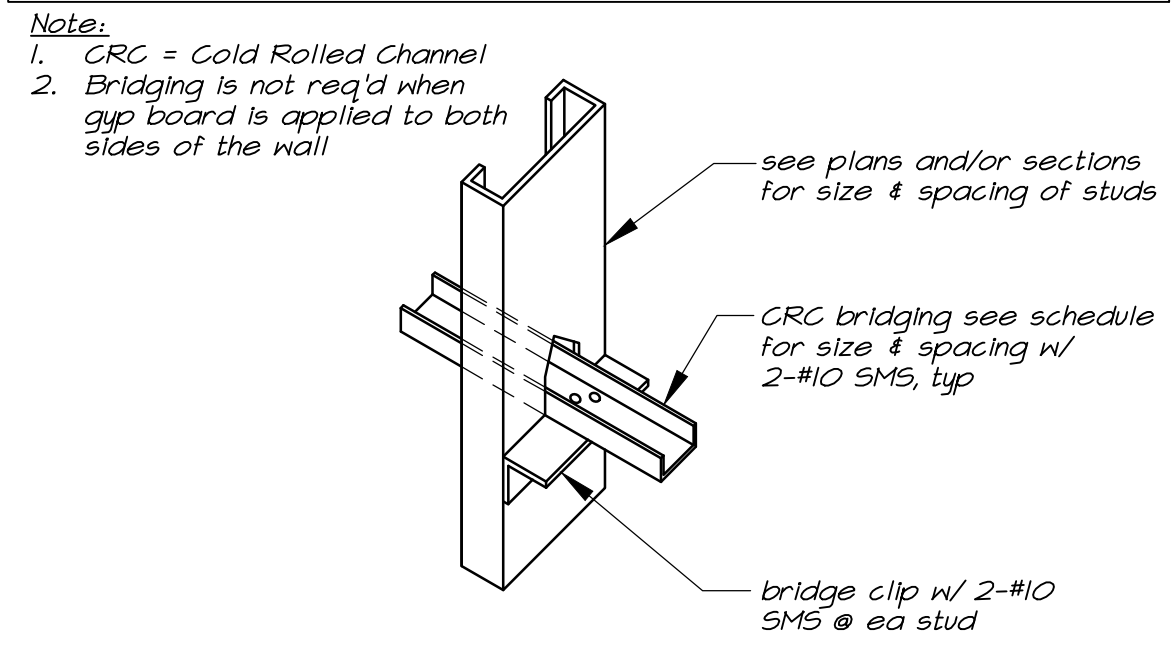


Detail 9



Typical Concrete Curb

Bridging in Punch-Outs		
Stud Size	Bridging Member	Bridge Clip
3 1/2"-8"	CRC-1 1/2"x16ga @ 4'-0"cc max	1 1/2"x2"x16ga x length to be 1/4" less than stud width LLH typ

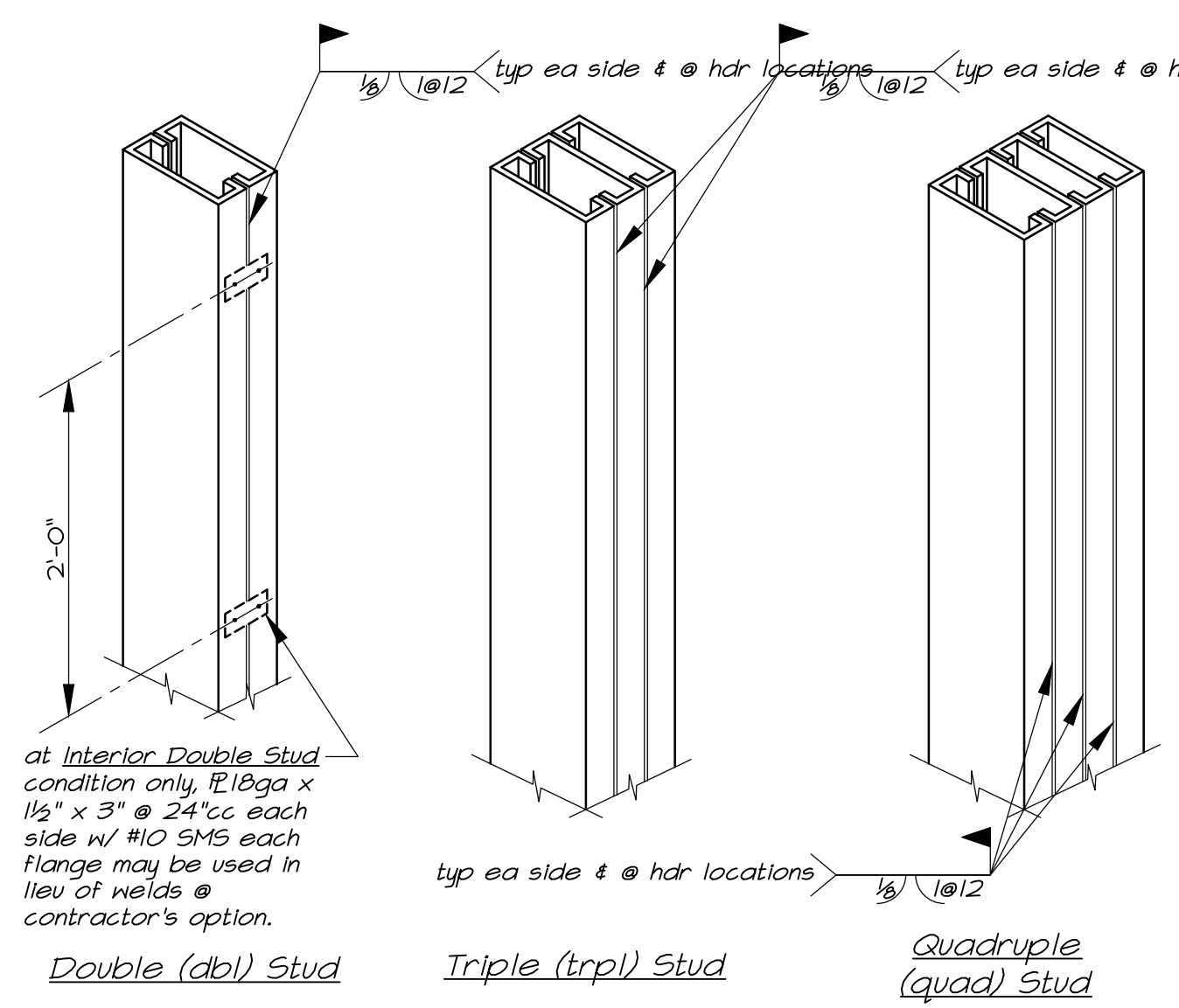


Typical Stud Bridging

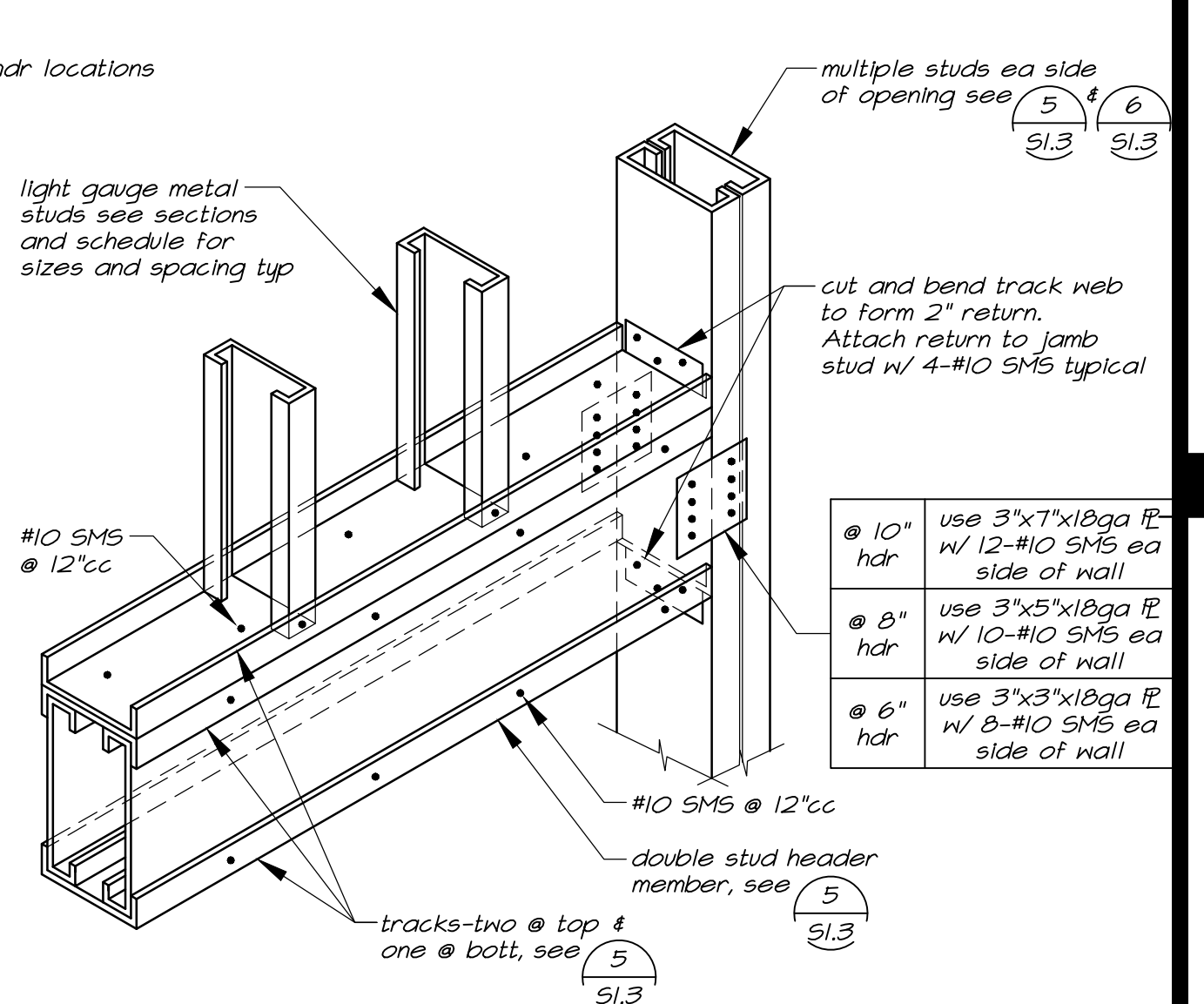
W' Opening width max	Required Jamb Stud	typ u.n.o.	Required hdr section
4'-0" max	dbl 600S137-43	dbl 600S137-43 w/ 3-600T25-43 t4b	
5'-0" max	dbl 600S137-43	dbl 600S137-54 w/ 600T25-43 t4b	
12'-0" max	dbl 600S162-54	dbl 600S162-54 w/ 600T25-54 t4b	

Schedule Notes:
 1. The requirements of this schedule shall govern unless specifically detailed or noted otherwise.
 2. Metal stud section properties shall conform to the Steel Stud Manufacturer's Association Product Catalog (SSMA) as specified in the Lightgauge Steel notes.
 3. All header members shall be unpunched.
 4. At interior non-bearing conditions, track width @ headers and sills shall match depth of studs as specified in the architectural drawings. Flange length & ga shall match this table.
 5. At spans over 12'-0", provide diagonal bracing of headers/sills to structural framing @ 4'-0"cc max per sections. (W' = 4'-0" max @ these locations)
 6. Maximum width shown in table is either the width between the jamb studs or between diagonal bracing as shown in note #5 above (where diag bracing occurs.)

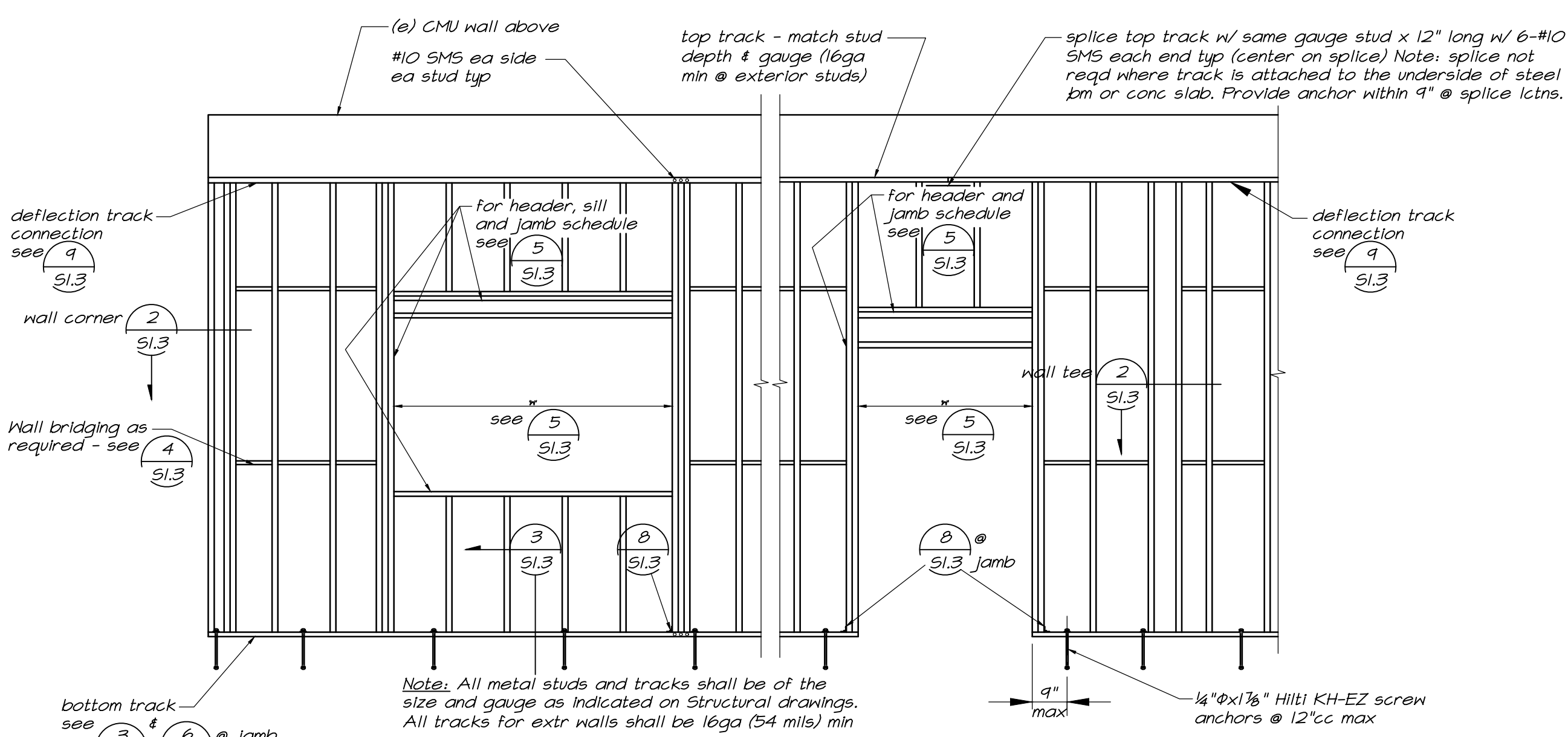
Exterior Wall Header Schedule



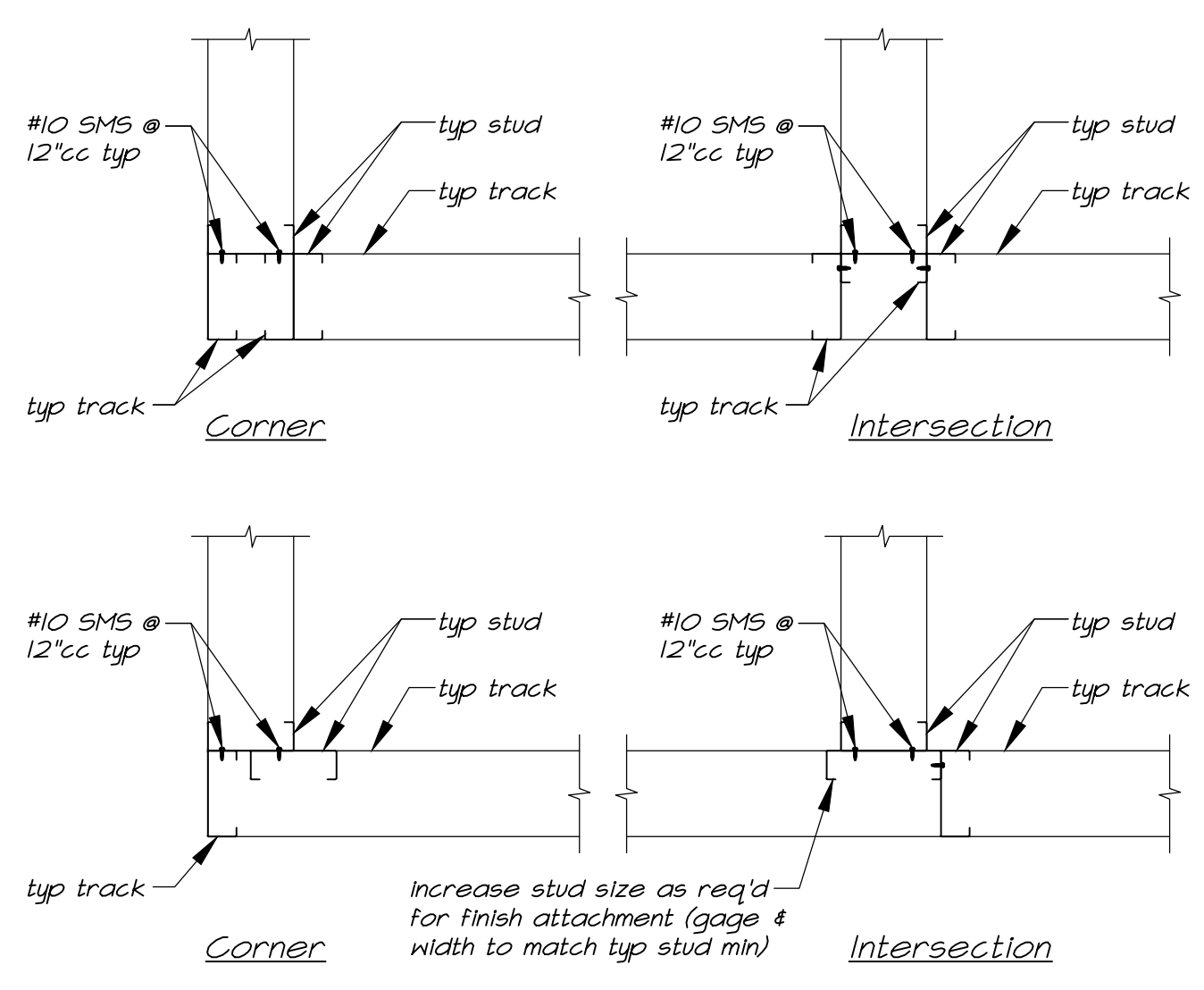
Typ Multiple Stud Connection



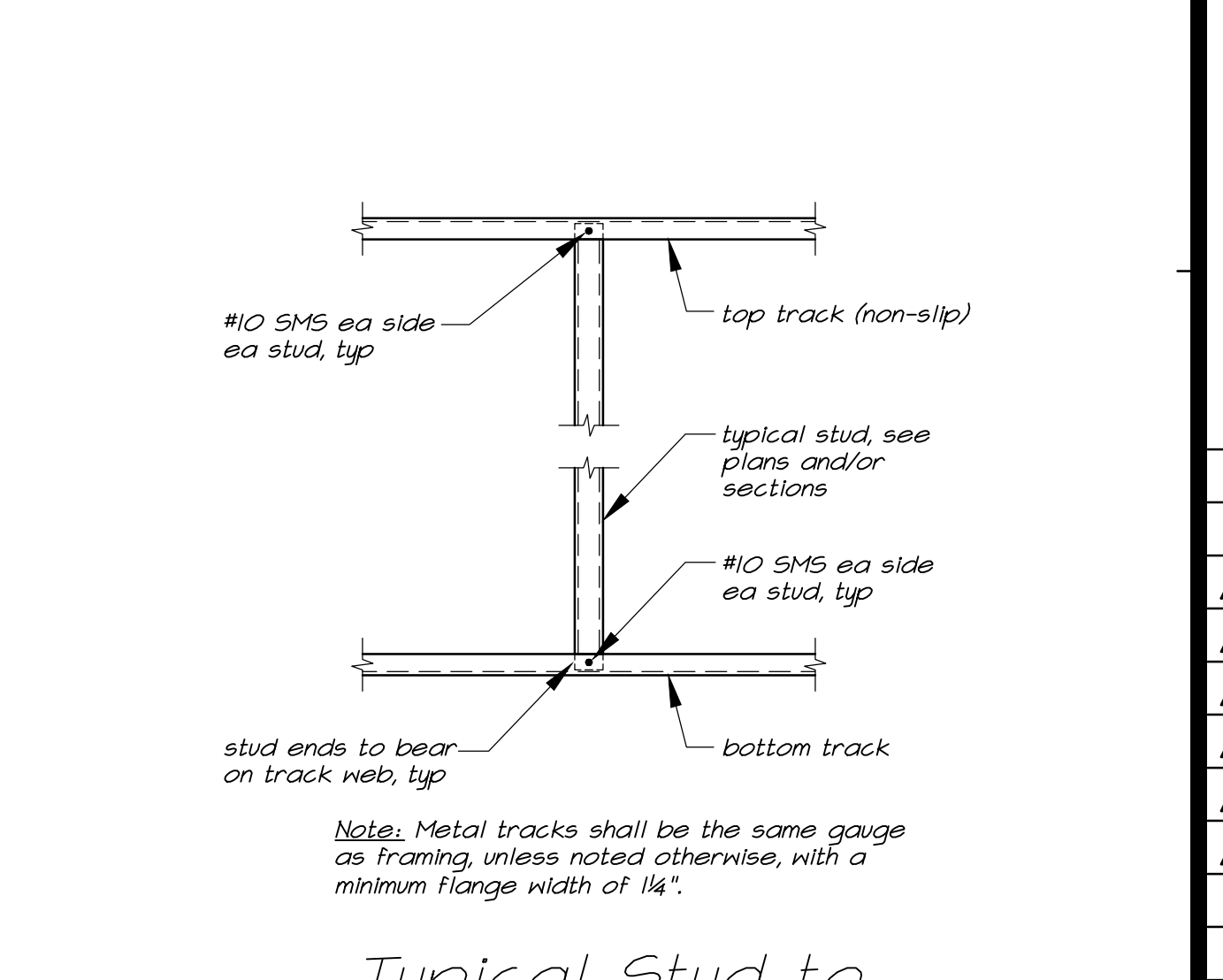
Typical Header Framing



Exterior Wall Framing Elevation



Typical Wall Framing Plans



Typical Stud to Track Connection

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REGISTERED PROFESSIONAL ENGINEER
 JEFFREY R. KOVACH
 No. 5652
 STRUCTURAL
 STATE OF CALIFORNIA
 Electronically Signed On: 10/6/25

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 284 W. BEAMER STREET
 WOODLAND, CA
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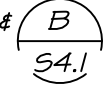
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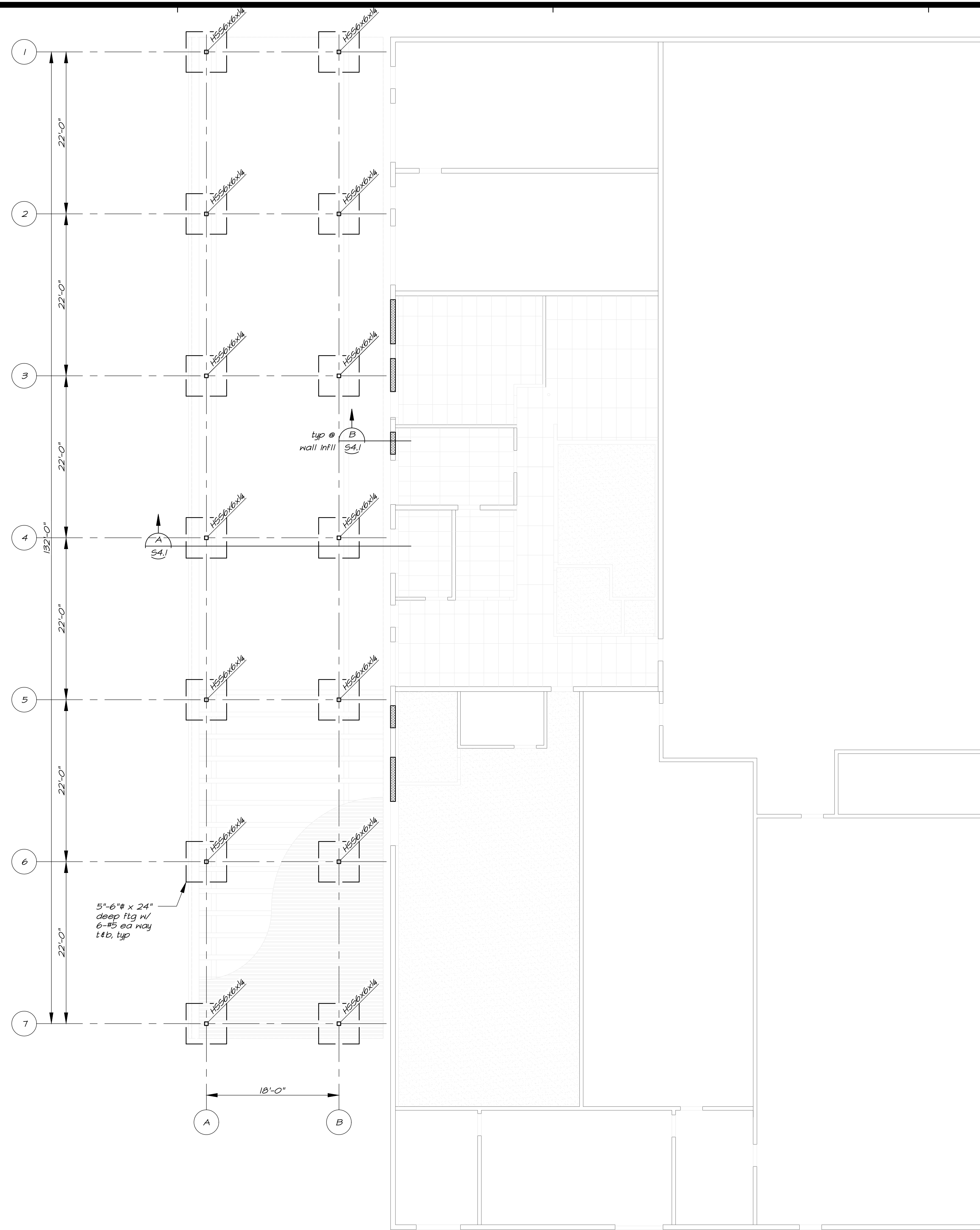
REVISIONS:

DATE	DESCRIPTION

DATE: 00/00/25
 DRAWN: JW
 SHEET NO.:
S1.3
 TYPICAL DETAILS
 OF 7 SHEETS

Foundation Notes

1. Site preparation and building pad construction shall be done in accordance with the recommendations in the 2022 California Building Code (CBC).
2. Verify all dimensions with architectural drawings. Notify Architect immediately of any discrepancies for resolution prior to proceeding.
3. Dimensions are to face of concrete (FC) or column centerlines, typical u.n.o.
4. Spread Footings are centered on columns and braced frames, typical u.n.o.
5. Top of concrete slab = reference elevation +0'-0".
6. Top of footing elevation = -0'-12" below reference elevation +0'-0" typical u.n.o.
7. Slab block-outs shown at columns are diagrammatic. Actual size and configuration is to be determined by the contractor for constructability.
8. Provide 3" concrete cover minimum @ base \bar{R} , anchor bolts, and columns typical.
9.  Indicates H55 column, size indicated on plan.
10.  Indicates (n) metal stud infill @ (e) CMU wall openings, see  & 



Foundation Plan

 1/8" = 1'-0"

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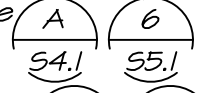
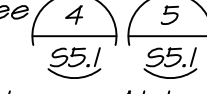
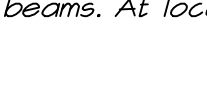




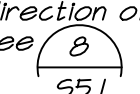

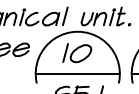

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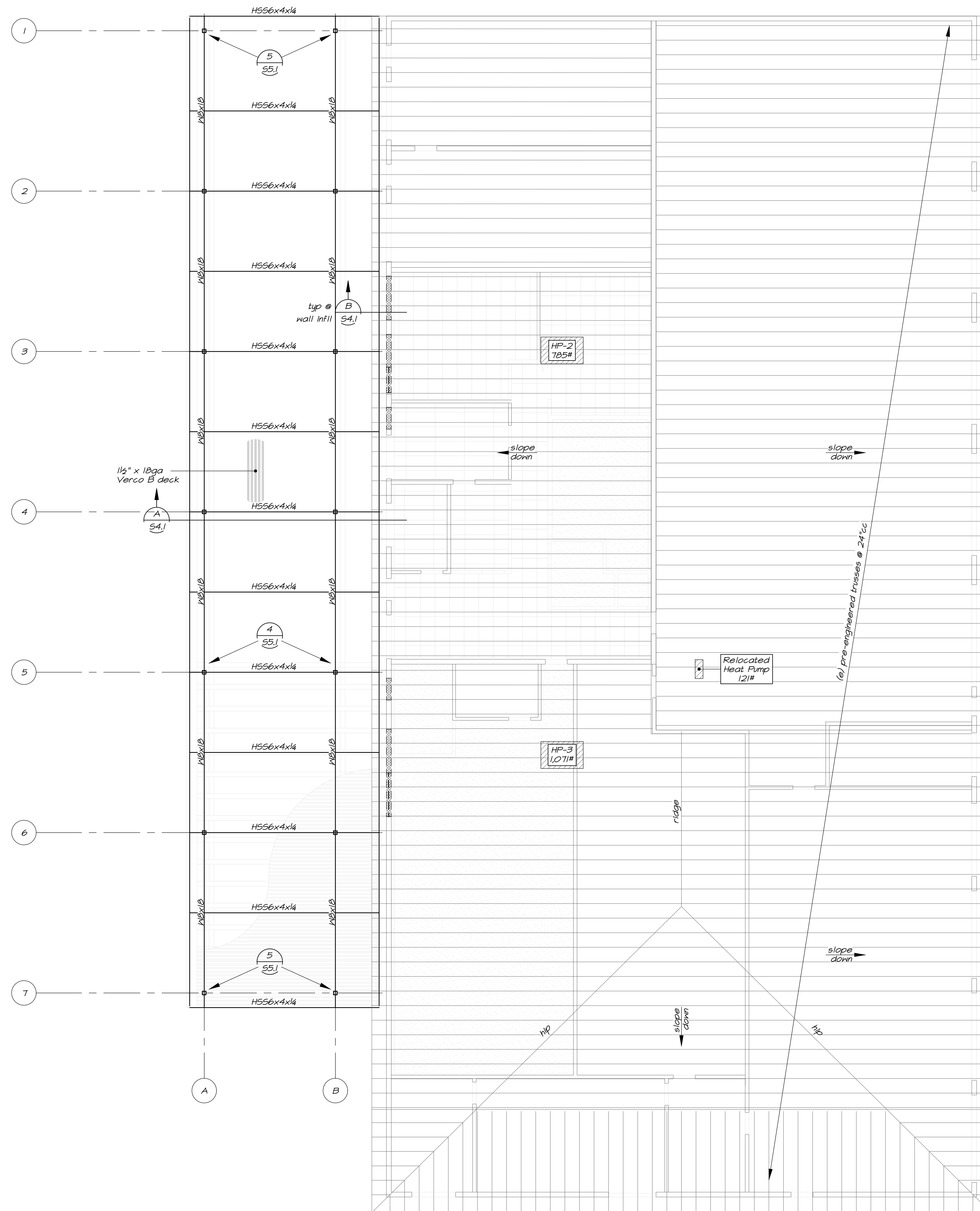
REVISIONS:

DATE:	DESCRIPTION:

DATE: 00/00/25
 DRAWN: JW
 JOB NO.:
 SHEET: **S2.1**
 FOUNDATION PLAN
 OF 7 SHEETS

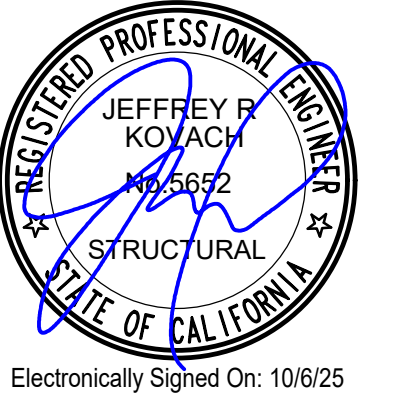
Roof Framing Notes

1. Dimensions are to centerline of steel or edge of decking typical v.o.
2. C=1/4" indicates amount of camber required at mid-span of beam or girder.
3. For typical beam to beam connections, see  
4. For typical beam to column connections, see  
5. Metal deck must be attached to all steel beams. At locations where low flutes do not align with beam, split deck as in 
- 6.
11.  Indicates HSS column. See Foundation Plan for size.
12.  Indicates span direction of metal deck. For metal deck types and typical details, see 
13.  Indicates approximate location & weight of mechanical unit. Coordinate exact location of unit w/ mechanical drawings & see  



Roof Framing Plan
 S2.2 1/8"=1'-0"

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DATE 00/00/25

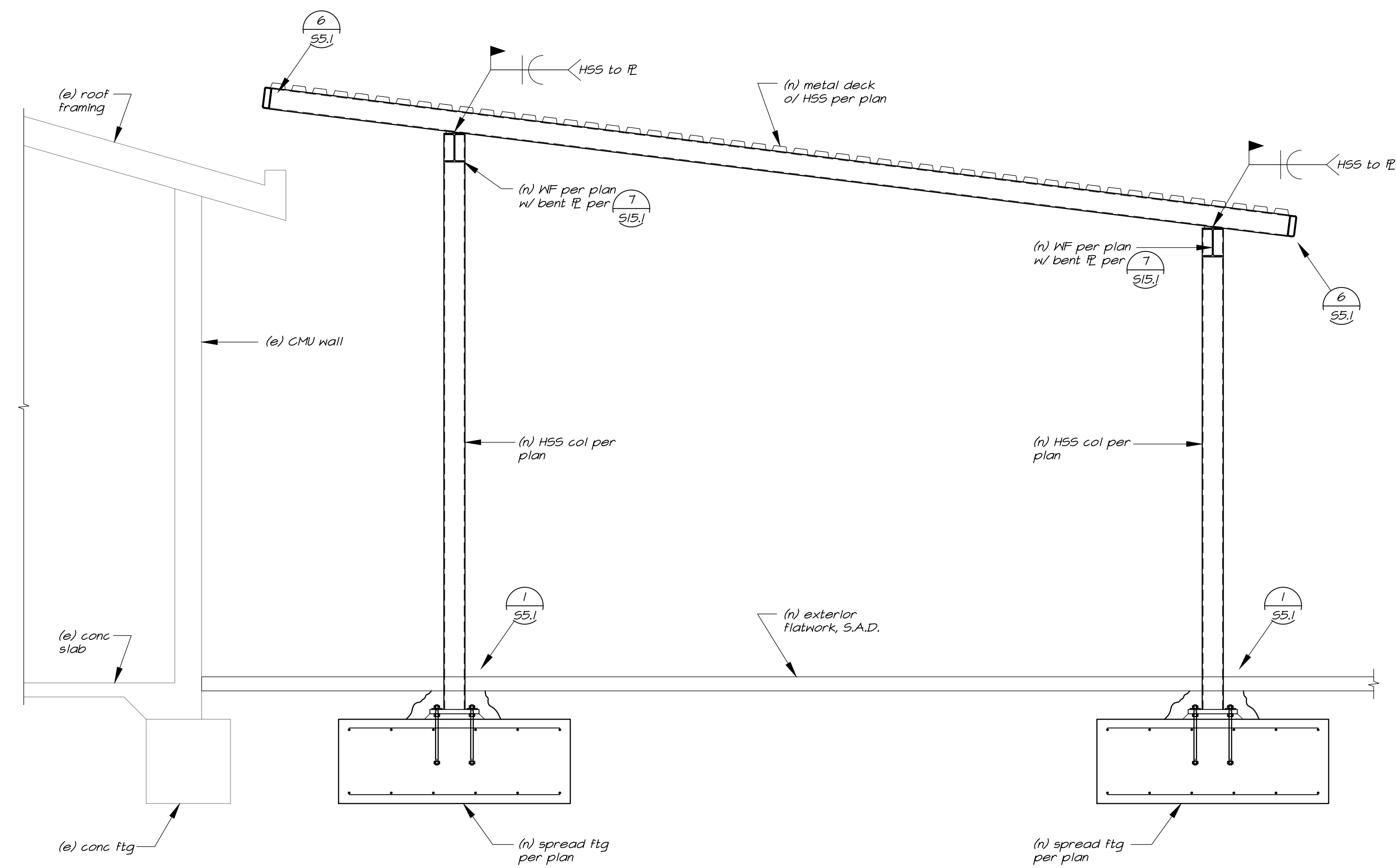
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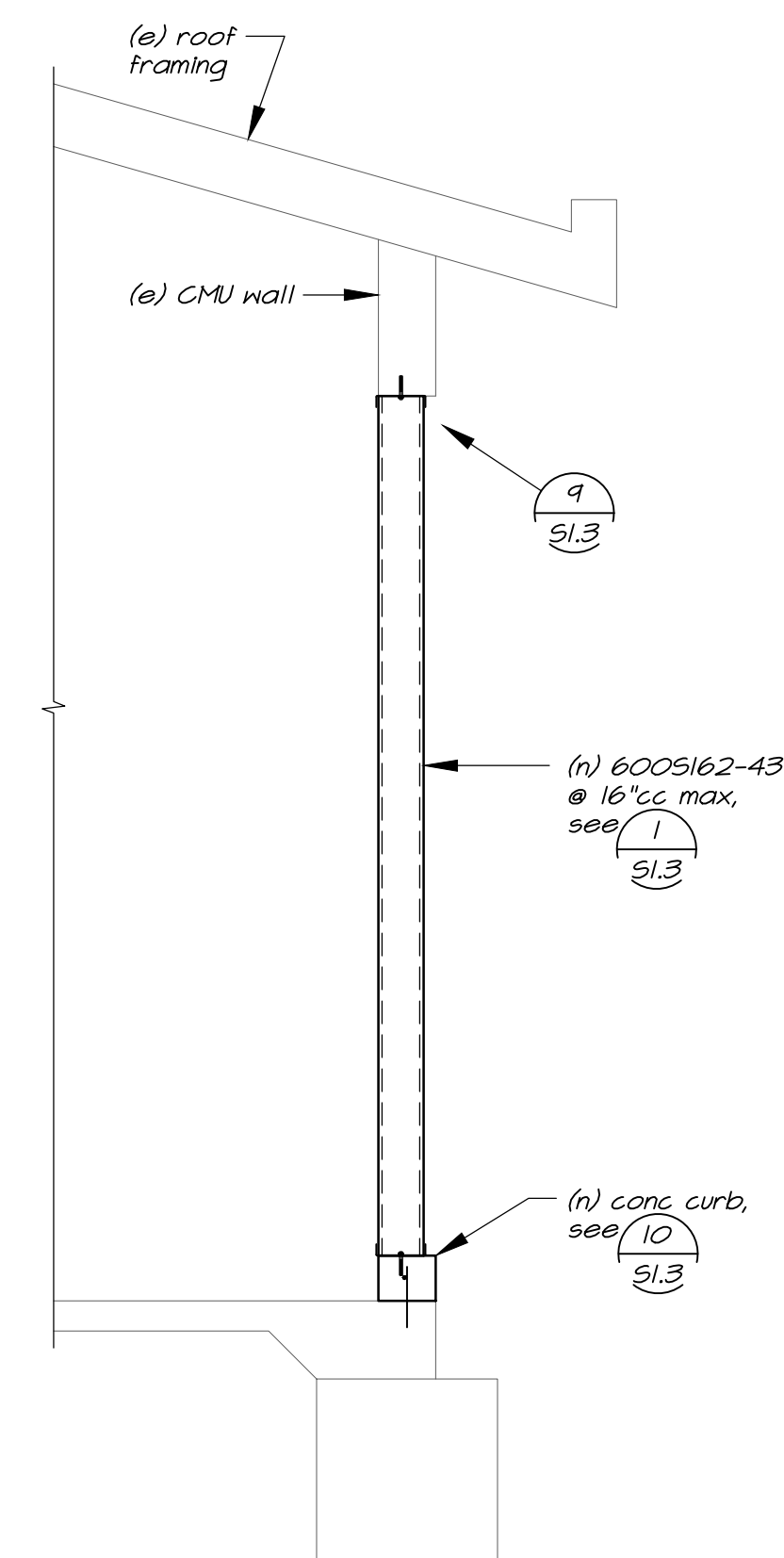
SHEET **S2.2**

ROOF FRAMING PLAN

OF 7 SHEETS

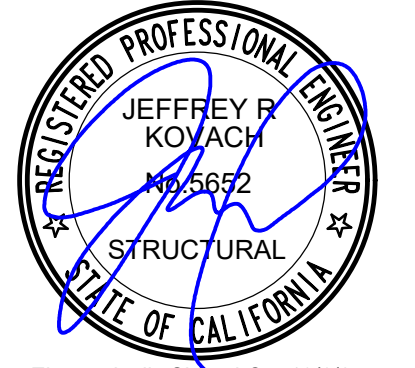


A Section
S4.1 1/2"=1'-0"



B Section
S4.1 1/2"=1'-0"

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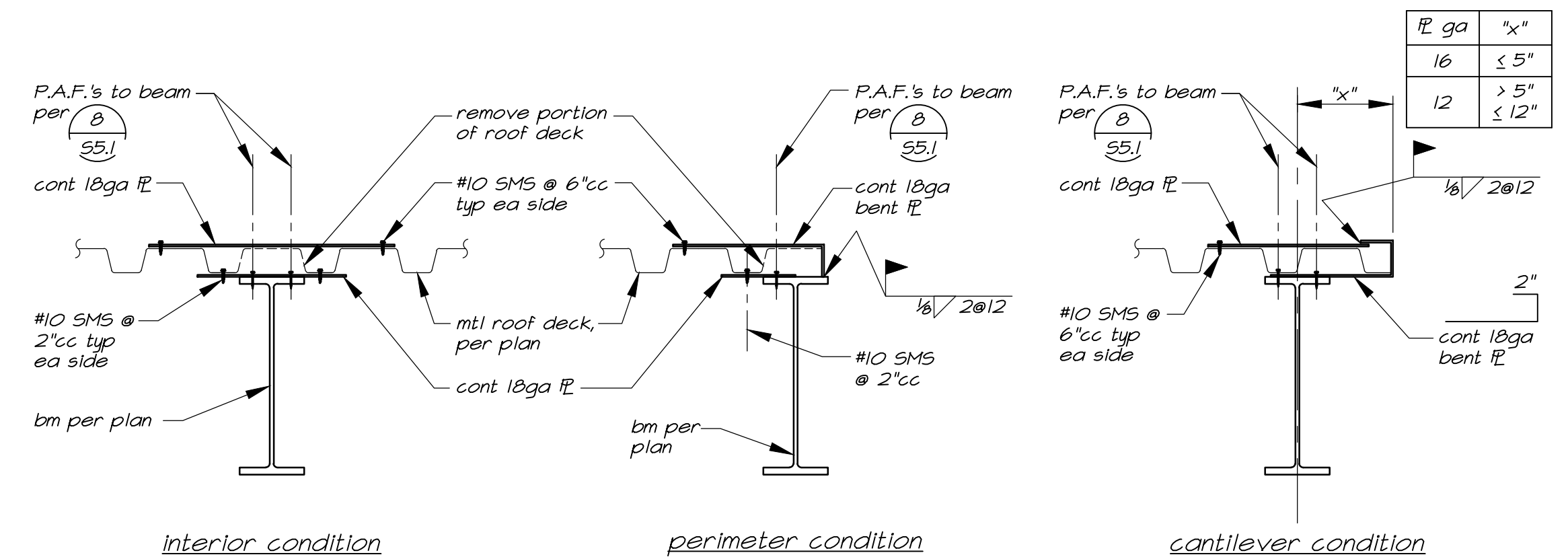
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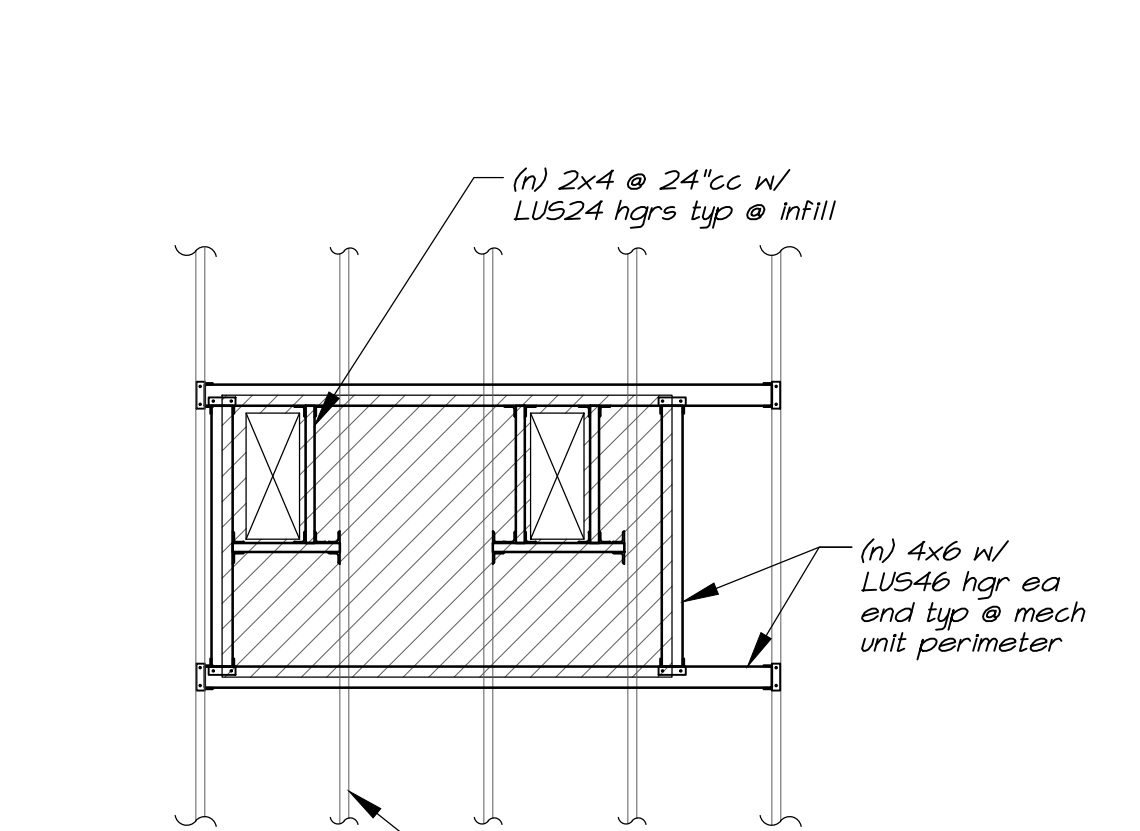
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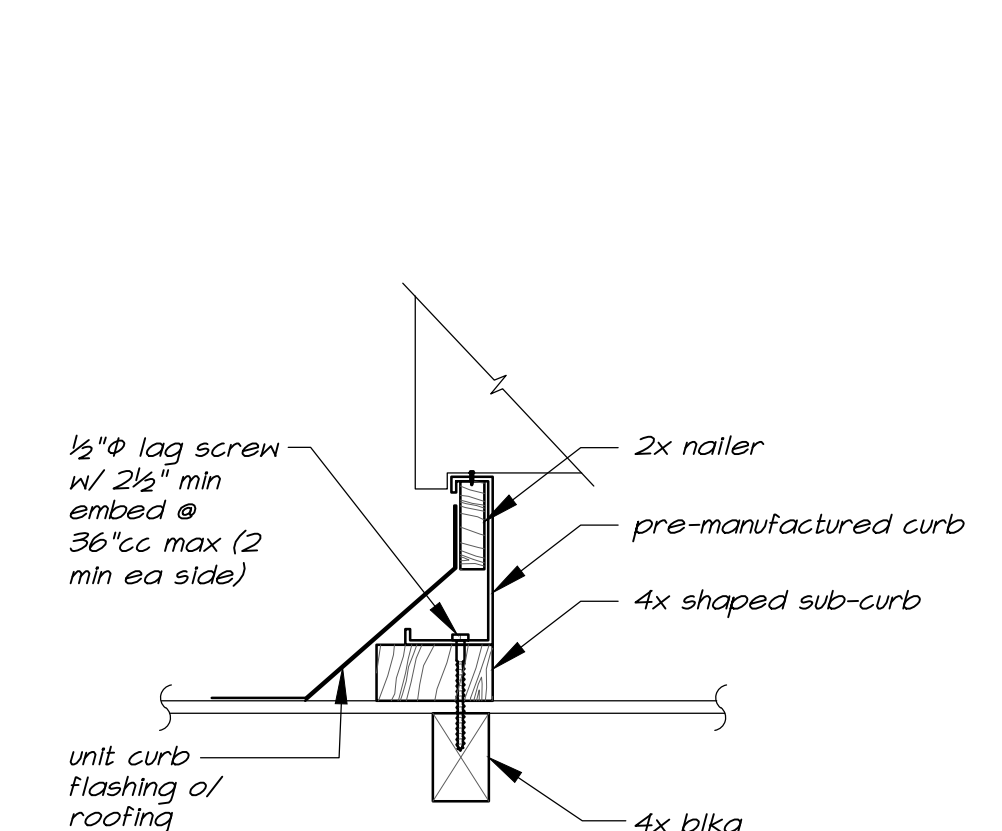
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JOB NO. -
SHEET **S4.1**
SECTIONS
OF 7 SHEETS



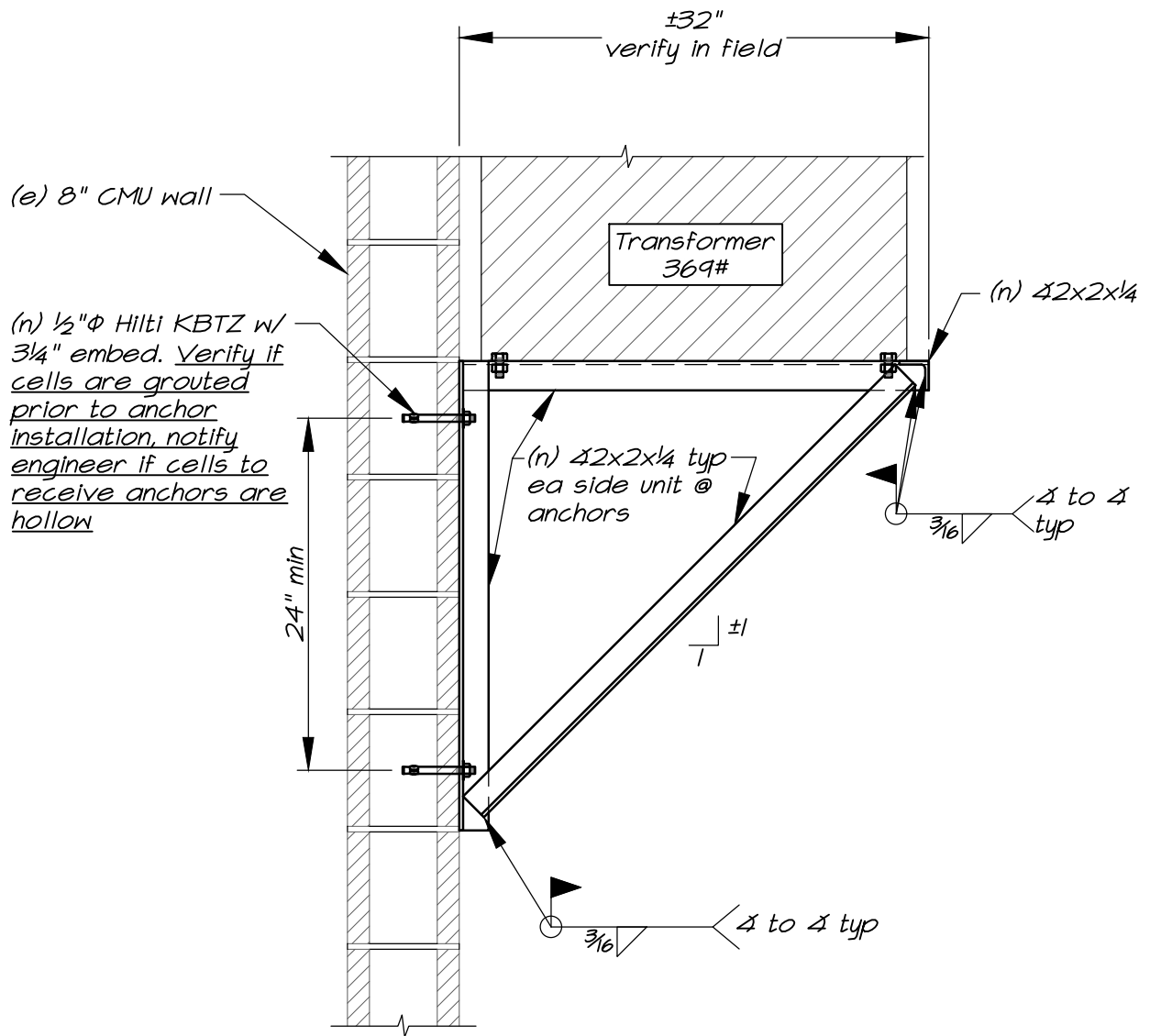
9 Detail
S5.1 1 1/2"=1'-0" roof deck parallel to beam



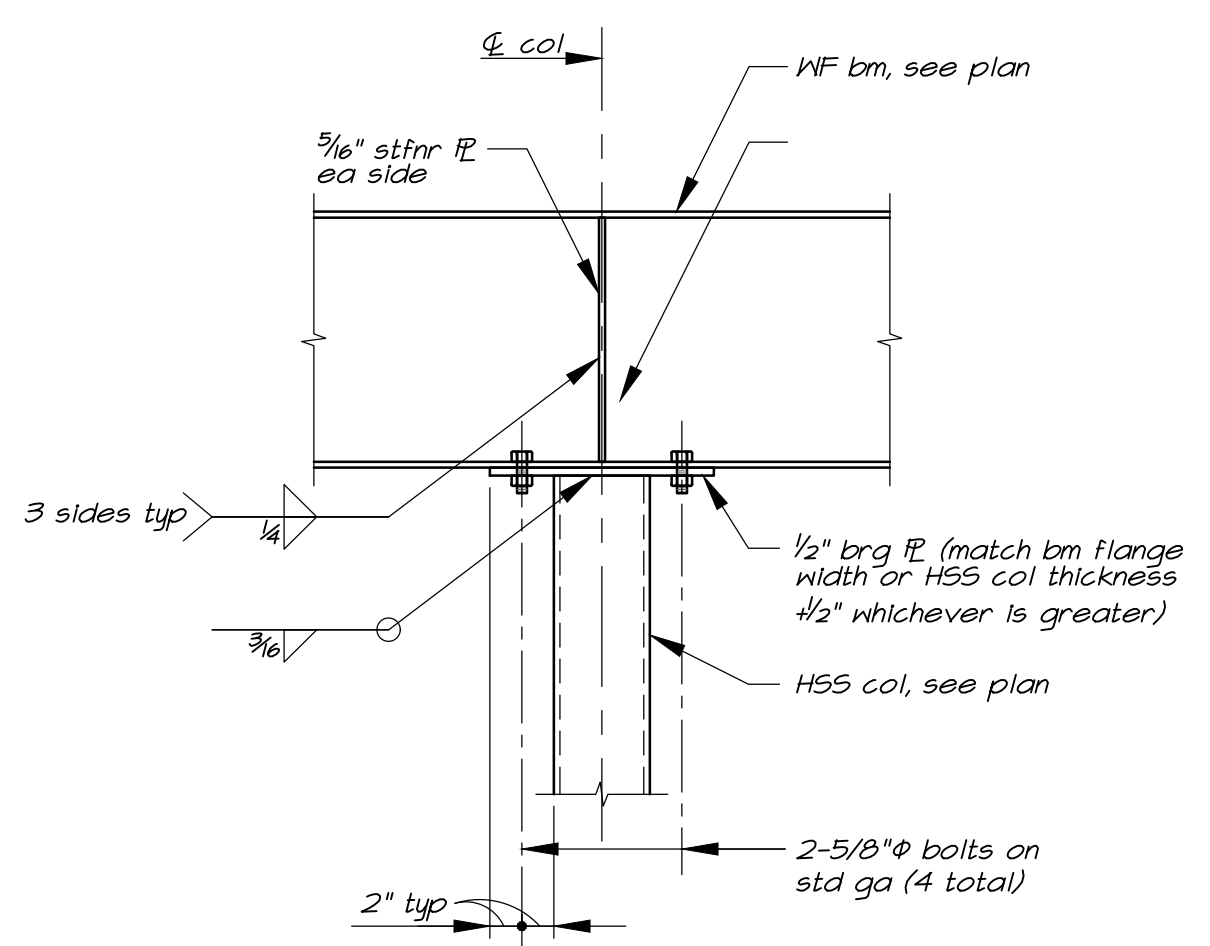
10 Framing Plan @ Mech. Unit
S5.1



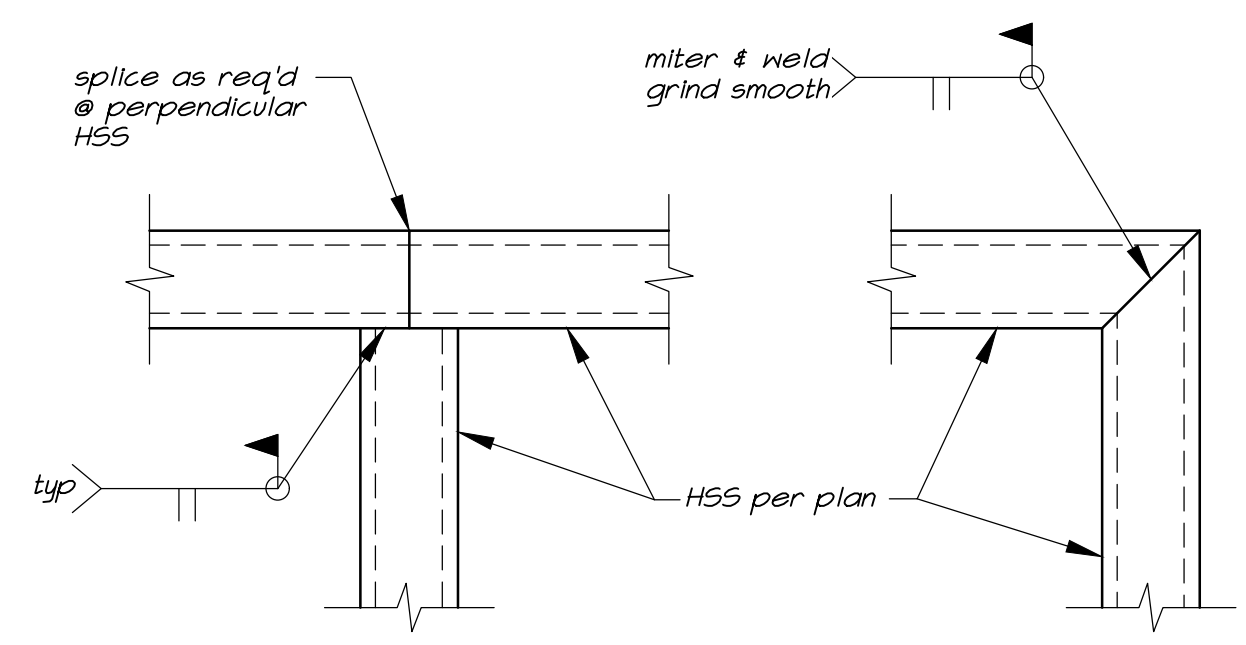
11 Mech Unit Anchorage
S5.1 1"=1'-0"



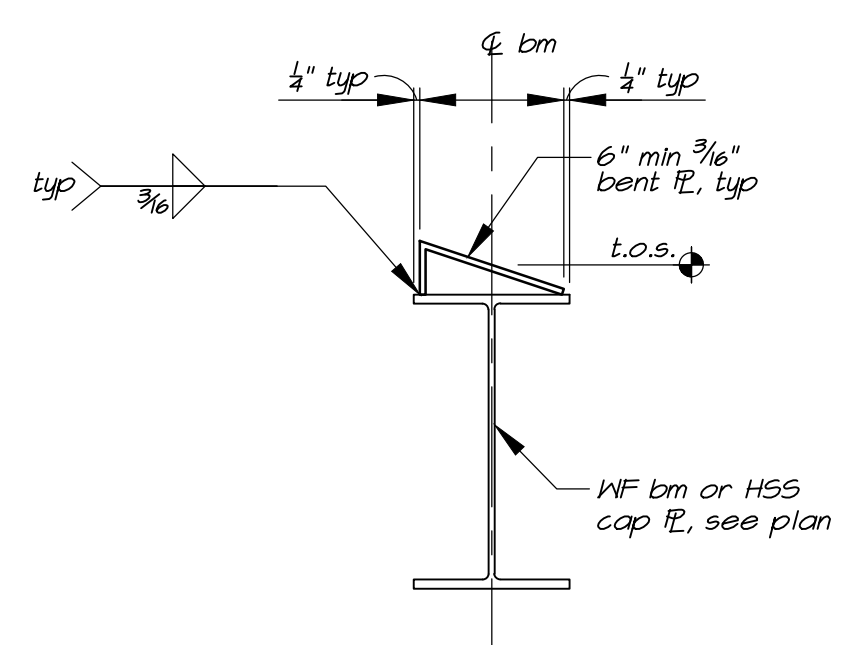
12 Detail
S5.1 1"=1'-0"



5 Beam to HSS Column Connection
S5.1 1"=1'-0" beam continuous w/ column



6 Detail
S5.1 3"=1'-0"

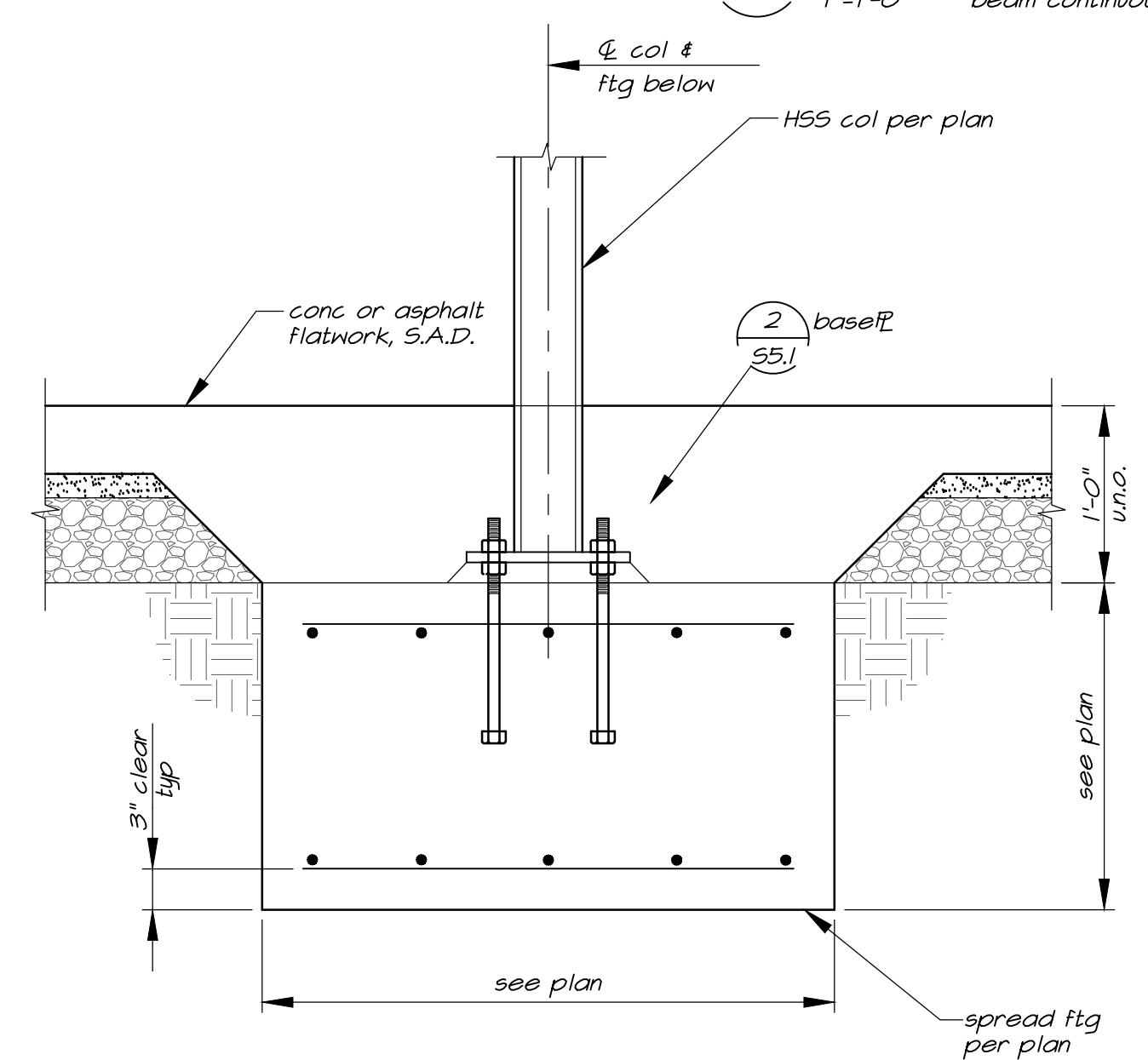


7 Metal Deck Support
S5.1 1 1/2"=1'-0" @ sloped roof

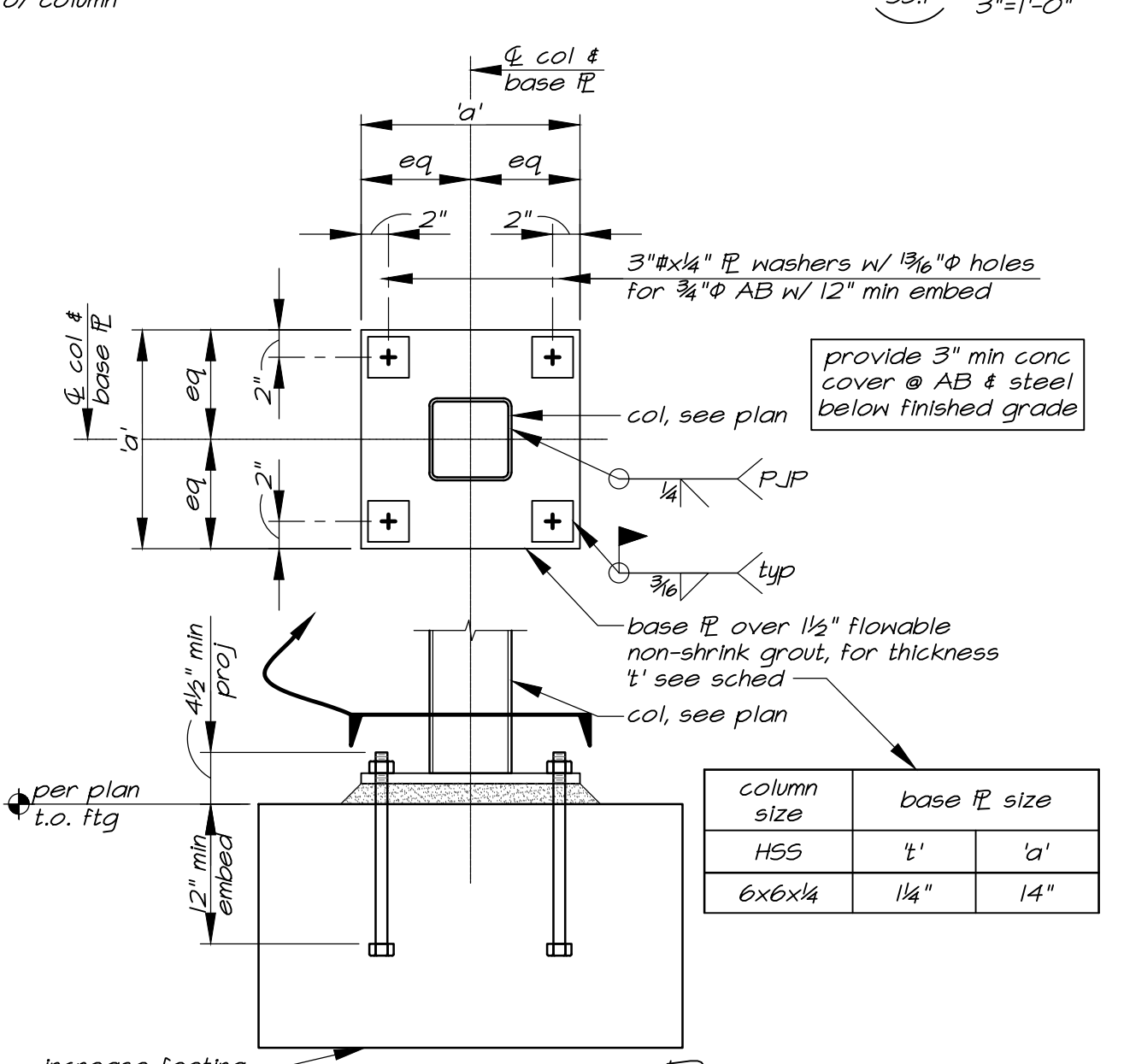
Deck Type	Depth & Gauge	Perpendicular Supports	Parallel Supports	Side Laps
B (roof)	1 1/2" x 18ga	4-P.A.F. per sheet	P.A.F. @ 24"cc	VSC2 @ 24"cc

- P.W. = 1"φ (visible size) puddle weld
- P.A.F. = Hilti Powder Activated Fastener. See P.A.F. notes on sheet S1.1
- VSC2 = side lap connection w/ Verco PunchLok II system or (ASC Delta Grip system, or approved equal)
- Metal decking shall be Verco or ASC, of type and gauge shown on plans and fastened as shown above.
- For typical fastening patterns see below.
- Deck shall be 2-span minimum, typical.
- See "Metal Deck" note on sheet S1.1.

Deck Type	Profile	No. Fasteners per sheet
B (roof)		4



1 Detail
S5.1 1"=1'-0"

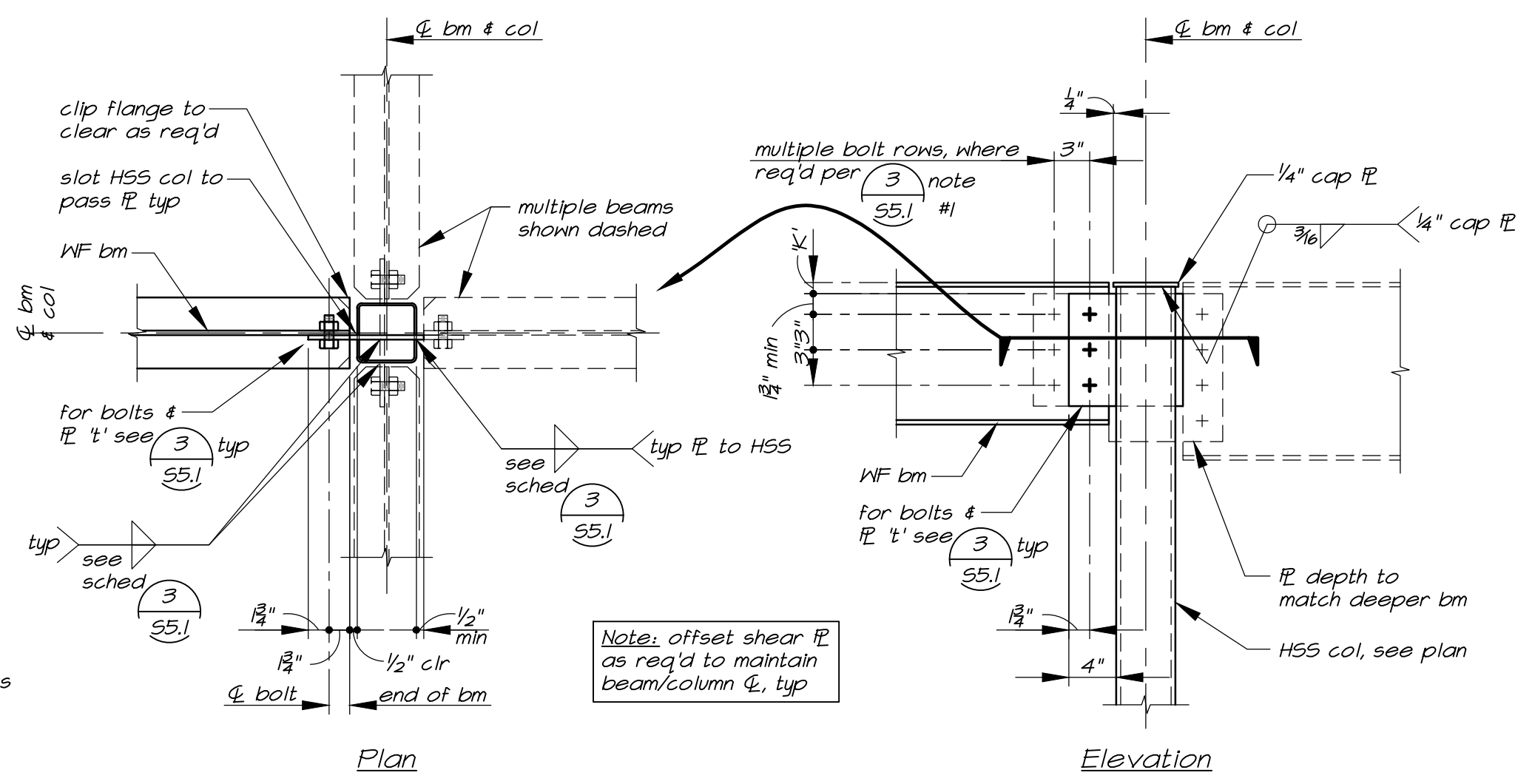


2 Base IR
S5.1 1"=1'-0" @ cant'l cols

bm size	No. & Dia. A325-N Bolts per row, u.n.o.	shear IR thickness	W
C6, C8 & C10	2 - 7/8"φ	1/4"	1/4"
W8 & W10	2 - 7/8"φ	1/4"	1/4"
W12, W14 & MC18	3 - 7/8"φ	3/16"	1/4"
W16	4 - 7/8"φ	3/8"	1/4"
W18	5 - 7/8"φ	3/8"	1/4"
W21	5 - 7/8"φ	3/8"	3/16"
W24	6 - 7/8"φ	1/2"	3/16"
W27	7 - 7/8"φ	1/2"	3/16"
W30	7 - 7/8"φ	1/2"	3/16"
W33	8 - 7/8"φ	1/2"	3/16"

Note: 1. Use A325-N bolts at connections, typ. A325 SC group A bolts are to be used at specific locations as indicated on framing plans. Use multiple rows of no. & dia. shown in schedule to achieve total number of bolts specified on plans. All slip critical connections shall have full-depth shear plates.

3 Connection Schedule
S5.1 n.t.s.



4 Beam to Column Connection
S5.1 1"=1'-0" one or multiple sides

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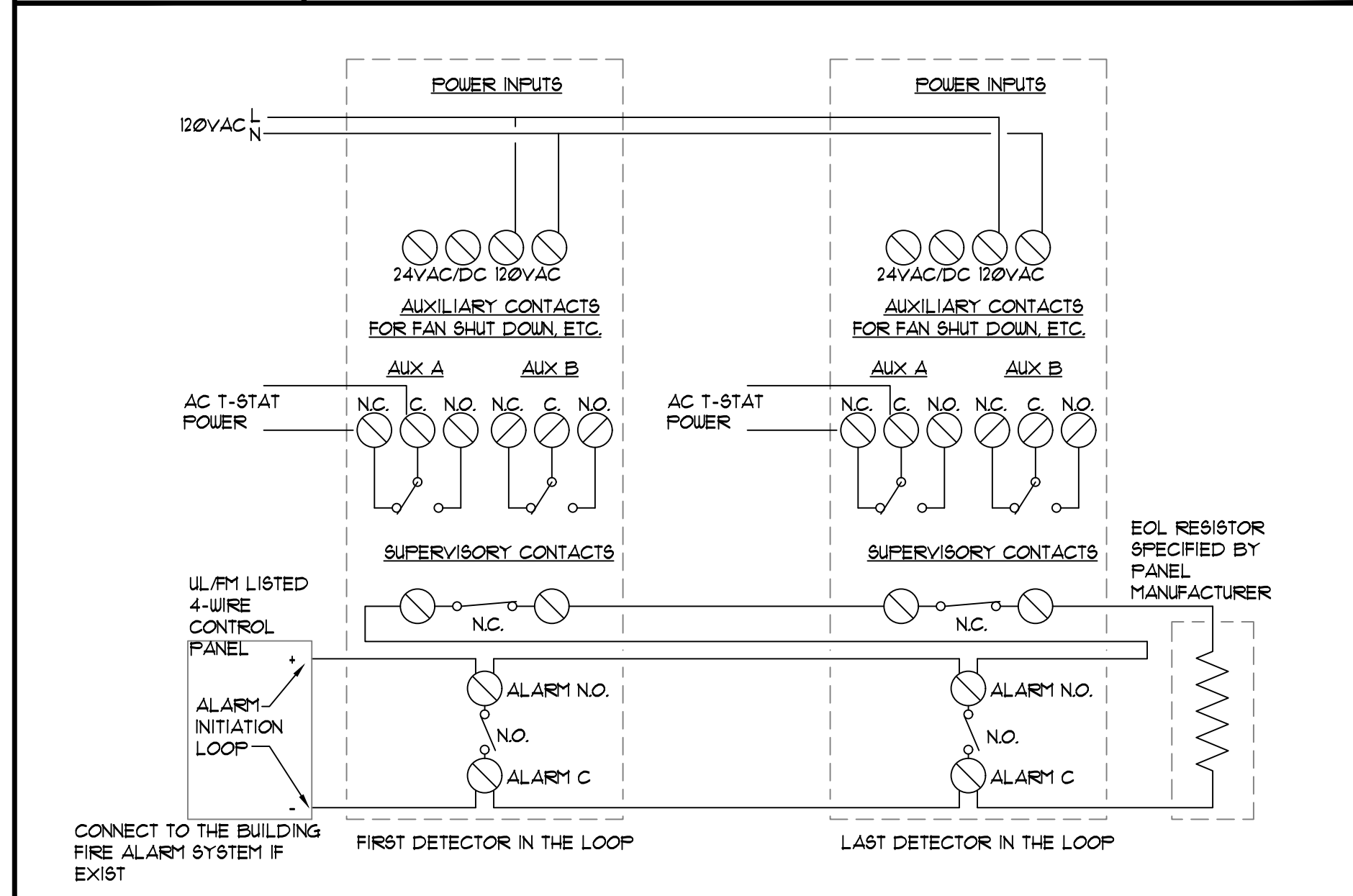
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SHEET **S5.1**
DETAILS
OF 7 SHEETS

MECHANICAL LEGEND			
SYMBOL / ABBREVIATION	DESCRIPTION	SYMBOL / ABBREVIATION	DESCRIPTION
	DUCT RISE		DUCT DEMO
	DUCT DROP		UNDERCUT DOOR
	OUTSIDE AIR		DOOR LOUVER
	SUPPLY AIR		OUTSIDE AIR
	RETURN AIR		DIAMETER OR PHASE
	EXHAUST AIR		ABOVE CEILING
	BALANCE DAMPER		CEILING
	DUCT (12x10)		ACCESS PANEL
	ACOUSTICAL LINED DUCTING		CUBIC FEET PER MINUTE
	DUCT TRANSITION	(E), EXISTING	EXISTING TO BE FIELD VERIFIED BY CONTRACTOR
	SUPPLY, RETURN, EXHAUST RISER	FA, TA	FROM ABOVE, TO ABOVE
	THERMOSTAT, SENSOR, HUMIDISTAT, CO2	FB, TB	FROM BELOW, TO BELOW
	RELOCATE, EXTEND/SHORTEN DUCT AS REQUIRED	AFF	ABOVE FINISHED FLOOR
	POINT OF CONNECTION	FF	FINISHED FLOOR
	MOTORIZED DAMPER	FT	FEET FOOT
	RADIATION FIRE DAMPER	NIMC	NOT IN MECHANICAL CONTRACT
	FIRE SMOKE DAMPER	NTS	NOT TO SCALE
	DUCT SMOKE DETECTOR	OBD	OPPOSED BLADE DAMPER
	AIRFLOW (OUTLET ARROW)	REF	REFERENCE
	AIRFLOW (INLET ARROW)	TYP	TYPICAL

DUCT SMOKE DETECTOR SCHEDULE	
SYMBOL	DESCRIPTION
	DUCT SMOKE DETECTOR, SYSTEM SENSOR MODEL# D4120, UL 268A COMPLIANT, COMPLETE WITH 20-29 VDC 24/120 VAC OPERATION, LOW PROFILE, ACCOMMODATES ION OR PHOTO HEADS, TWO FORM AUXILIARY CONTACTS, AIR VELOCITY RATING FROM 100- 4000 FPM, MOUNT SMOKE DETECTOR IN SUPPLY AIR PLENUM INSIDE COOLING UNIT SUCH THAT IT IS EASILY ACCESSIBLE FROM THE ROOF, FACTORY MOUNTED AND WIRED SMOKE DETECTORS IN THE SUPPLY AIR STREAM ARE ACCEPTABLE AND PREFERRED, DUCT SMOKE DETECTORS SHALL BE MONITORED BY FIRE ALARM CONTROL PANEL IF AVAILABLE, IF NO MONITOR EXISTS, COMPLETE SYSTEM WITH SYSTEM SENSOR MODEL# RTS2-A05 AUDIBLE AND VISUAL SIGNALING AND TESTING DEVICE, WIRE PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
	NOTES: 1. SMOKE DETECTOR SHALL BE FURNISHED, INSTALLED, AND WIRED BY MECHANICAL CONTRACTOR WIRE THERMOSTAT POWER THROUGH NORMALLY CLOSED DRY CONTACTS, UPON ALARM, CONTACTS TO OPEN SHUTTING DOWN ALL UNITS. 2. POWER SMOKE DETECTOR FROM 120V CIRCUIT. 3. FOR EVAPORATIVE COOLERS ONLY, PHOTOELECTRONIC TYPE TO BE USED AND DETECTOR SAMPLING TUBE IN AIRSTREAM TO BE INCLINED DOWN AWAY FROM DETECTOR.



THE FOLLOWING HVAC EQUIPMENT REQUIRES THE INSTALLATION OF A SMOKE DETECTOR DEVICE IN THE SUPPLY DUCT PER 2019 CMC, SECTION 6.03 AND 2018 NFPA 90A, CHAPTER 6.

DUCT SMOKE DETECTOR NOTES	
	SMOKE DETECTORS FOR THE FOLLOWING EQUIPMENT ARE NOT REQUIRED PER CMC 6.03 EXCEPTION 2: AUTOMATIC SHUTOFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR-HANDLING EQUIPMENT HAVE DIRECT EXIT TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FEET.

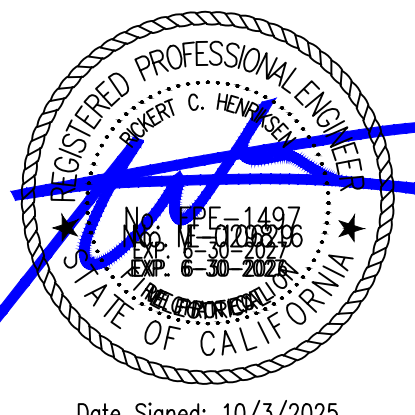
GENERAL MECHANICAL NOTES	
1. EQUIPMENT: ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND EQUAL IN QUALITY, TYPE, CAPACITY, EFFICIENCY, AND ACCESSORIES TO THE EQUIPMENT NOTED ON THE DRAWINGS. ADJUSTMENTS TO CONSTRUCTION AND ACCESSORIES ON SUBSTITUTED EQUIPMENT MAY BE REQUIRED TO ACHIEVE THIS EQUALITY, AND SHALL BE INCLUDED AT NO EXTRA COST TO THE OWNER MAKE ANY CHANGES IN DUCTWORK, PIPING, FRAMING, ETC., AS REQUIRED TO ACCOMMODATE SUBSTITUTED EQUIPMENT.	
2. INSTALLATION: INSTALL ALL EQUIPMENT AND MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH EDITION APPLICABLE CODES INCLUDING BUT NOT LIMITED TO: 2022 CALIFORNIA MECHANICAL CODE (CMC) 2022 CALIFORNIA ENERGY CODE (CEC) INCLUDING LOCAL AMENDMENTS CALIFORNIA CODE OF REGULATIONS (CCR) 2022 CALIFORNIA BUILDING CODE (CALIFORNIA CODE OF REGULATIONS, TITLE 24) NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 2022 CALIFORNIA FIRE CODE (CFC) 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE WHERE HEAVIER GAUGES OF MATERIAL, LARGER SIZES OR MORE STRINGENT REQUIREMENTS THAN THE CODES ARE REQUIRED BY THE CONTRACT DOCUMENTS, SUCH INCREASED REQUIREMENTS SHALL APPLY.	
3. SHEET METAL DUCTWORK: ALL SHEET METAL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE TO CMC STANDARDS AND SMACNA GUIDELINES WITH THE MORE STRINGENT BEING APPLIED. ALL DUCT JOINTS INCLUDING MECHANICAL FLANGED JOINTS SHALL BE SEALED WITH SILVER TAPE OR ARABOL AND CANVAS SEAL. THE JOINTS OF ALL DUCTS EXPOSED TO THE WEATHER WITH ARABOL AND CANVAS, PROVIDE ALL BRANCH DUCTS WITH VOLUME DAMPERS WITH LOCKING QUADRANTS LOCATED AT LEAST FIVE FEET (5') FROM THE GRILLE OR DIFFUSER SERVED. WITH LONG RADIUS ELBOWS. CONCEALED DAMPERS SHALL HAVE CABLE OPERATED MECHANISMS TO ALLOW ADJUSTMENTS WITH OUT DISTURBING THE STRUCTURE. ALL RECTANGULAR OR ROUND RIGID DUCTS SHALL BE OF SMACNA GAGE GALVANIZED STEEL OR ALUMINUM, UNLESS OTHERWISE NOTED ON THE DRAWINGS. PROVIDE FLAT SEAM CONSTRUCTION FOR ANY DUCTS EXPOSED IN OCCUPIED SPACE. NOTE: ALUMA-FLEX IS NOT ACCEPTABLE IN LIEU OF ROUND RIGID DUCTWORK. ALL DUCT OPENINGS SHALL BE SEALED AGAINST DUST AND DEBRIS UNTIL FINAL START-UP.	
4. DUCT SUPPORTS: ALL PIPING AND DUCTWORK SHALL BE SUPPORTED IN ACCORDANCE WITH CMC STANDARDS OR SMACNA SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL SYSTEMS. CONTRACTOR SHALL PROVIDE CALCULATIONS FOR SEISMIC SUPPORTS AND RESTRAINTS THAT ARE ACCEPTABLE TO THE REVIEWING AUTHORITY.	
5. FLEXIBLE DUCT: FLEXIBLE DUCTS SHALL BE ATCO 30, GENFLEX F29, THERMAFLEX M-KE, OR APPROVED EQUAL. FLEXIBLE DUCTWORK SHALL NOT BE USED WHERE EXPOSED DUCTWORK OCCURS, FIRE RATED WALL, FLOOR OR CEILING ASSEMBLIES EXIST, AND TEMPERATURES EXCEEDS 250°F. PER 2022 CMC 6.03.4, FACTORY-MADE FLEXIBLE AIR DUCTS SHALL NOT BE MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS, AND FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE.	
6. ALL DUCT SIZES ON PLANS ARE SIZED FOR HARD DUCT.	
7. AT THE TIME OF ROUGH INSTALLATION OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY.	
8. INSULATION FOR INTERIOR DUCT: INSULATE ALL RIGID SUPPLY AND RETURN DUCTS WITH 1-1/2" THICK, 3/4 PCF DENSITY Owens CORNING SOFTR OR EQUAL, FIBERGLASS DUCT URAP, TYPE T5, WITH FOIL REINFORCED KRAFT VAPOR RETARDER FACING BUTT JOINT PIECES WITH 2" MINIMUM TAP FLAP OVERLAPPING. WHEN IN CONDITIONED SPACE, DUCTS SHALL HAVE R-42 INSULATION. WHEN IN UNCONDITIONED SPACE, DUCTS SHALL HAVE R-8.0 INSULATION.	INSULATION FOR EXTERIOR DUCT: SEAL ALL METAL JOINTS PER SMACNA 4 CEC, LINE WITH 2" CERTAINTED TOUGHGUARD, RIGID LINER BOARD, TAPE ALL INSULATED INTERIOR JOINTS. INSULATION SHALL BE PROTECTED FROM DAMAGE BY MOISTURE UV AND PHYSICAL ABRASION. INSULATION EXPOSED TO WEATHER SHALL BE SUITABLE FOR OUTDOOR SERVICE. PROTECTED BY ALUMINUM, SHEET METAL, PAINTED CANVAS, OR PLASTIC COVER. CELLULAR FOAM INSULATION SHALL BE PROTECTED AS ABOVE OR PAINTED WITH A COATING THAT IS WATER RETARDANT AND PROVIDES SHIELDING FROM SOLAR RADIATION. THIS APPLIES TO REFRIGERANT LINE SETS AS WELL. DUCTS SHALL HAVE R-8.0 INSULATION.
9. DUCT LINER: LINE ALL RIGID SUPPLY AND RETURN DUCT DROPS FOR A MINIMUM OF 10' FROM THE UNIT WITH 1" THICK OWENS CORNING QUIETER ACOUSTICS OR EQUAL ACOUSTIC DUCT LINER. INSTALL WITH 100% COVERAGE ADHESIVE COMPLYING WITH ASTM C 916, AND FURTHER APPLY TO BUTTED ENDS. MECHANICAL FASTENERS SHALL BE APPLIED 3" FROM CORNERS AND 12" OC BETWEEN CORNER FASTENERS. ALL DUCT DIMENSIONS ON PLANS ARE CLEAR DIMENSIONS. SEAL BUTT ENDS OF EXPOSED INSULATION IN THE DUCTS WITH MANUFACTURERS RECOMMENDED SEALANT OR ADHESIVE.	
10. CONTROLS: HEATING AND COOLING CONTROLS SHALL COMPLY WITH 2022 CEC, SUBCHAPTER 3, SECTION 1202. ALL CONTROLS AND CONTROL WIRING ARE NOT SPECIFICALLY SHOWN BUT ARE REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM AND SHALL BE SUPPLIED BY THE CONTRACTOR AND INSTALLED AT NO ADDITIONAL COST TO THE OWNER.	
11. TESTING: ALL AIR SYSTEMS SHALL BE BALANCED BY A TRAINED MECHANICAL CONTRACTOR USING AAEC, SMACNA, OR NEBB PROCEDURES. AIR QUANTITIES SHALL BE ADJUSTED TO NOT MORE THAN 10% ABOVE OR 0% BELOW THE QUANTITIES SHOWN ON THE DRAWINGS. CONTRACTOR SHALL SUBMIT A COMPLETE AIR BALANCE REPORT INDICATING, AS A MINIMUM, THE AIR DELIVERY FOR EACH DIFFUSER, THE FINAL OPERATING DATA FOR THE SYSTEMS AND THE AIR CONDITIONING UNITS.	
12. SUBMITTALS: SUBMIT FOR APPROVAL COPIES OF COMPLETE SUBMITTAL DATA ON SPECIFIED AND PROPOSED EQUIPMENT AND MATERIALS. SUBMITTALS SHALL INCLUDE EQUIPMENT SIZES, CAPACITY, MOTOR LOCATIONS, PERFORMANCE CURVES AND OTHER PERTINENT DATA. EACH SUBMITTAL SHALL INCLUDE IDENTIFICATION TAGS OR SYMBOLS TO MATCH THOSE ON DRAWINGS, PARTIAL SUBMITTALS OR SUBMITTALS WHICH ARE NOT MARKED WITH EQUIPMENT TAGS OR PERFORMANCE DATA WILL BE REJECTED. EQUIPMENT THAT IS NOT SUBMITTED IS TO BE USED AT THE CONTRACTORS OWN RISK REGARDLESS OF BRAND OR MODEL USED.	
13. EQUIPMENT IDENTIFICATION: PROVIDE PERMANENT ENGRAVED PLASTIC NAME PLATED FOR ALL EQUIPMENT INSTALLED, INDICATING THE PLAN DESIGNATION OF THE UNIT (AG-1, REF, ETC.) AND ALSO THE BUILDING AREA SERVED (CLASSROOMS 2-4, CONFERENCE ROOM, ETC.). STAMPED METAL TAPES APPLIED WITH SELF-CONTAINED ADHESIVE WILL NOT BE ACCEPTABLE. GLUE TO THE INSIDE COVER OF THE COMPRESSOR ACCESS PANEL, A COPY OF THE EQUIPMENT NAMEPLATE SUBMITTAL DATA.	
14. CONTRACTOR SHALL VERIFY ALL WORK CONDITIONS PRIOR TO COMMENCING WORK, INCLUDING, BUT NOT LIMITED TO: DIMENSIONS, EQUIPMENT, STRUCTURAL ELEMENTS AND MATERIALS INDICATED AS EXISTING, AS WELL AS THE COORDINATED INSTALLATION OF ALL NEW WORK, MATERIALS, EQUIPMENT, ETC. COORDINATE THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT WITH THE STRUCTURAL ENGINEER.	
15. CONTRACTOR SHALL FIELD COORDINATE TERMINATION OF ENVIRONMENTAL AIR DUCT EXHAUST SO THAT THEY TERMINATE NOT LESS THAN 3 FEET FROM A PROPERTY LINE, 10 FEET FROM A FORCED AIR INLET, 10 FEET ABOVE A PUBLIC WALKWAY, AND 3 FEET FROM OPENINGS INTO THE BUILDING, AND DO NOT DISCHARGE ONTO A PUBLIC WALKWAY (2022 CMC 6.02.2.1).	
16. SUBMITTAL NOTE: MECHANICAL SYSTEMS DESIGN REFLECT EQUIPMENT SPECIFIED. WHEN EQUIPMENT SUBSTITUTIONS OCCUR AND DUCT DESIGN, DUCT DROPS, GAS INPUT AND ELECTRICAL SERVICE VARIES FROM THAT SPECIFIED, THEN IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR FOR ALL ADDITIONAL ENGINEERING FEES WHEN SUBSTITUTED EQUIPMENT REFLECT A REVISION OR CHANGE ON OUR DRAWINGS.	
17. INSTALLATION INSTRUCTIONS FOR ALL LISTED EQUIPMENT SHALL BE MADE AVAILABLE TO THE BUILDING INSPECTOR AT THE TIME OF INSPECTION.	
18. ONLY PERMITTED PLANS SHALL BE USED FOR CONSTRUCTION OR BIDDING.	

GRILLE SCHEDULE	
SYMBOL	DESCRIPTION
	SUPPLY GRILLE, TITUS, MODEL MCD, MODULAR CORE DIFFUSER WITH ROUND NECK, BORDER TYPE 1 FOR SURFACE MOUNT APPLICATIONS, BORDER TYPE 3 FOR LAY-IN/T-BAR MOUNT APPLICATIONS.
	RETURN GRILLE, TITUS, MODEL 50F, EGGRATE RETURN GRILLE, BORDER TYPE 1 FOR SURFACE MOUNT APPLICATIONS, BORDER TYPE 3 FOR LAY-IN/T-BAR MOUNT APPLICATIONS.
	NECK SIZE (INCHES X INCHES) AIR FLOW (CFM)

NOTE: SUBSTITUTIONS ALLOWED FOR MANUFACTURERS AND MODEL'S SIMILAR IN QUALITY AND PERFORMANCE. GRILLES SHALL BE SIZED FOR NOISE CRITERIA (NC) NOT TO EXCEED 20.

EQUIPMENT SCHEDULE		
SYMBOL	DESCRIPTION	
	TRANE MODEL NO: EFFICIENCY: TOTAL COOLING CAPACITY: SENSIBLE COOLING CAPACITY: INTEGRATED HEATING CAPACITY: AIR FLOW SETTING: ELECTRICAL SERVICE: COMPRESSOR: EVAPORATOR FAN MOTOR: CONDENSER FAN MOTOR: 6 KW HEATER STRIP MCA MOCP: WEIGHT:	WSC036H3RBA OR EQUAL, NOMINAL 3 TON UNIT. 14.3 SEER, 12.0 EER, 8.00 HSPF 13.4 SEER, 10.6 EER, 1.20 HSPF2 39,300 BTUH 29,300 BTUH 1200 CFM AT 0.1" S.P. 230 V/3 PH/60 Hz 15.00 RLA 5.10 FLA 110 FLA 26 40 185 LBS WITH CURB.
	TRANE MODEL NO: EFFICIENCY: TOTAL COOLING CAPACITY: SENSIBLE COOLING CAPACITY: INTEGRATED HEATING CAPACITY: AIR FLOW SETTING: ELECTRICAL SERVICE: COMPRESSOR: EVAPORATOR FAN MOTOR: CONDENSER FAN MOTOR: 6 KW HEATER STRIP MCA MOCP: WEIGHT:	WSC060H3RBA OR EQUAL, NOMINAL 5 TON UNIT. 14.3 SEER, 12.3 EER, 8.20 HSPF 13.4 SEER, 10.6 EER, 1.20 HSPF2 61,000 BTUH 48,800 BTUH 46,100 BTUH 2000 CFM AT 0.1" S.P. 230 V/3 PH/60 Hz 11.50 RLA 1.60 FLA 150 FLA 31 45 1071 LBS WITH CURB.
	ROOF EXHAUST FAN GREENHECK MODEL NO: AIR FLOW SETTING: ELECTRICAL SERVICE: WEIGHT: FURNISH:	GB-080 OR EQUAL 200 CFM AT 0.5 S.P., 1504 RFM 230 V/1 PH/60 HZ, 1/6 HP INTERLOCK WITH RESTROOM LIGHTS. 40 LBS. ROOF CURB, BIRDSCREEN, BACKDRAFT DAMPER, DISCONNECT SWITCH, INHERENT MOTOR PROTECTION.
	GREENHECK MODEL NO: AIR FLOW SETTING: ELECTRICAL SERVICE: CONTROL: WEIGHT: FURNISH:	SP-B150 OR EQUAL 150 CFM AT 0.325 S.P., 1050 RFM 120 V/1 PH/60 HZ, 128 WATTS WITH ROOF LIGHTS 10 LBS. BACKDRAFT DAMPER, INTERCONNECTING DUCT, INHERENT THERMAL MOTOR PROTECTION, ROOFCAP.
	GREENHECK MODEL NO: AIR FLOW SETTING: ELECTRICAL SERVICE: CONTROL: WEIGHT: FURNISH:	SP-B300 OR EQUAL 15 CFM AT 0.325 S.P., 100 RFM 120 V/1 PH/60 HZ, 50 WATTS WITH ROOF LIGHTS. 10 LBS. BACKDRAFT DAMPER, INTERCONNECTING DUCT, INHERENT THERMAL MOTOR PROTECTION, ROOFCAP.
	HOOD, TOP DISCHARGE, 30" WIDE, STAINLESS FINISH GE MODEL NO: AIR FLOW MAX: ELECTRICAL SERVICE: HOOD SIZE: DUCT CONNECTION SIZE: FURNISH:	UVU83042P58 440 CFM 120 V/1 PH/60 HZ 21" DEEP, 30" WIDE, 18" HIGH 8" COMPLETE WITH ALL MOUNTING HARDWARE, WASHABLE ALUMINUM FILTER, DUCT CONNECTOR WITH BUILT-IN DAMPER, INTERCONNECTING DUCT, ROOFCAP.

INDOOR OPENING SIZE	
INDOOR OPENING SIZE (2019 CMC 1015(1)): COMBINING SPACES ON THE SAME STORY, EACH OPENING SHALL HAVE A FREE AREA OF NOT LESS THAN 1 SQUARE INCH PER 1000 BTU/H OF THE TOTAL INPUT RATING OF APPLIANCES IN THE SPACE, BUT NOT LESS THAN 100 SQUARE INCHES. ONE OPENING SHALL COMMENCE WITHIN 12 INCHES OF THE TOP, AND ONE OPENING SHALL COMMENCE WITHIN 12 INCHES OF THE BOTTOM OF THE ENCLOSURE. THE DIMENSION OF AIR OPENINGS SHALL BE NOT LESS THAN 3 INCHES.	MINIMUM REQUIRED FREE AREA = (1 50 IN/1000 BTU/H) X 55,000 BTU/H = 55 50 IN FREE AREA TO BE INSTALLED = 12'X10'X0.5'(LOUVER FREE AREA) = 60 50 IN



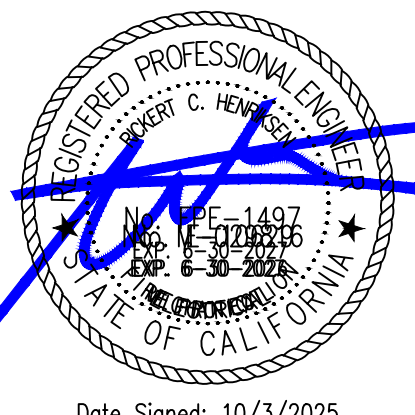
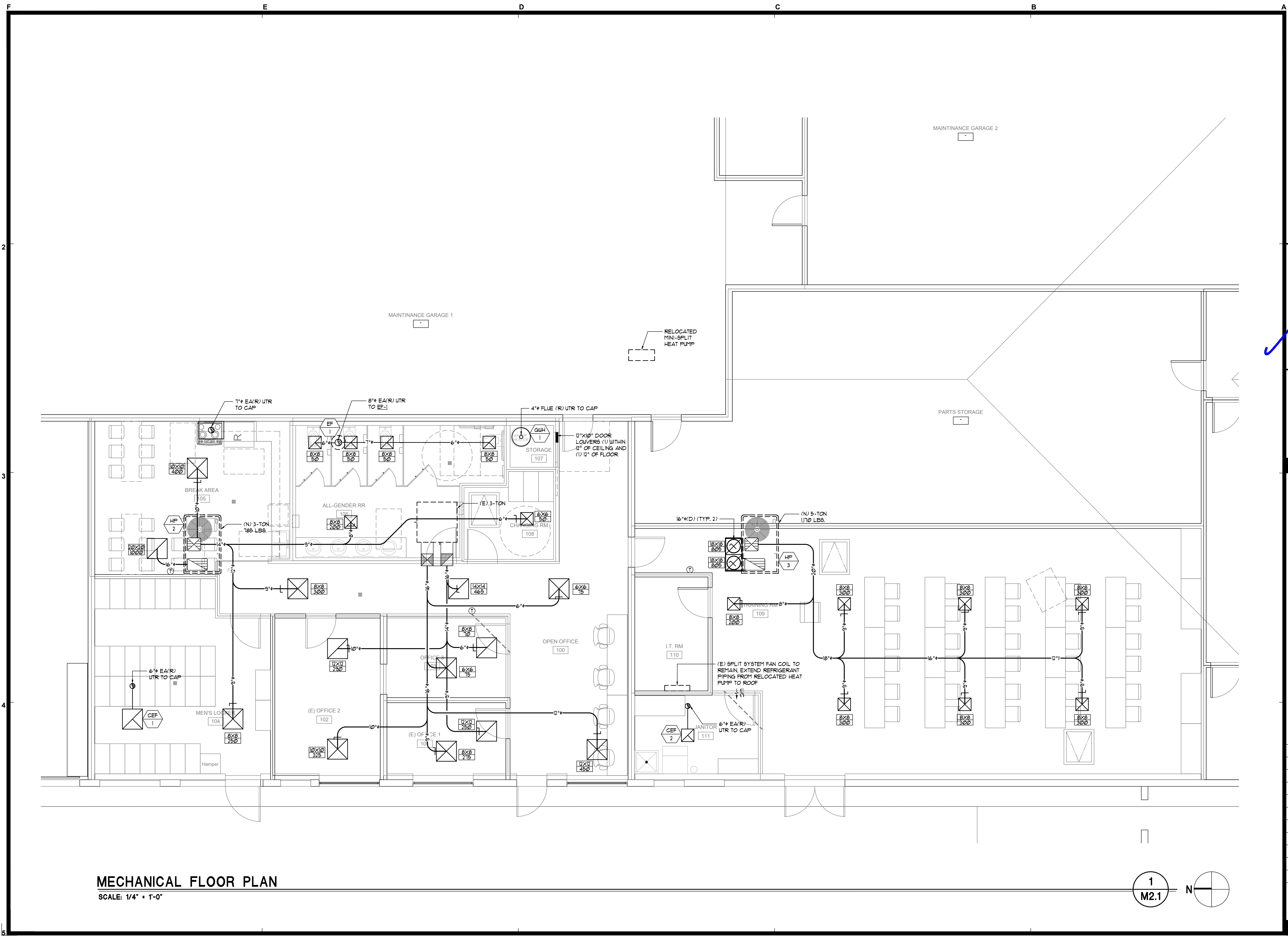
JOB TITLE:

CONSTRUCTION DOCUMENTS FOR:
**YOLO COUNTY -
ROADS BUILDING RENOVATIONS**
284 W. BEAMER STREET
WOODLAND, CA
CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
ADDRESS: 120 W. MAIN STREET., SUITE D, WOODLAND CA

REVISIONS:	
DATE:	DESCRIPTION:

DATE: 00/00/25
DRAWN: MUJS
JOB NO.: 23028
SHEET

OF - SHEETS
M1.1



Date Signed: 10/3/2025



JOB TITLE:

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REVISIONS:

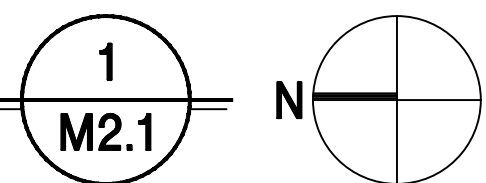
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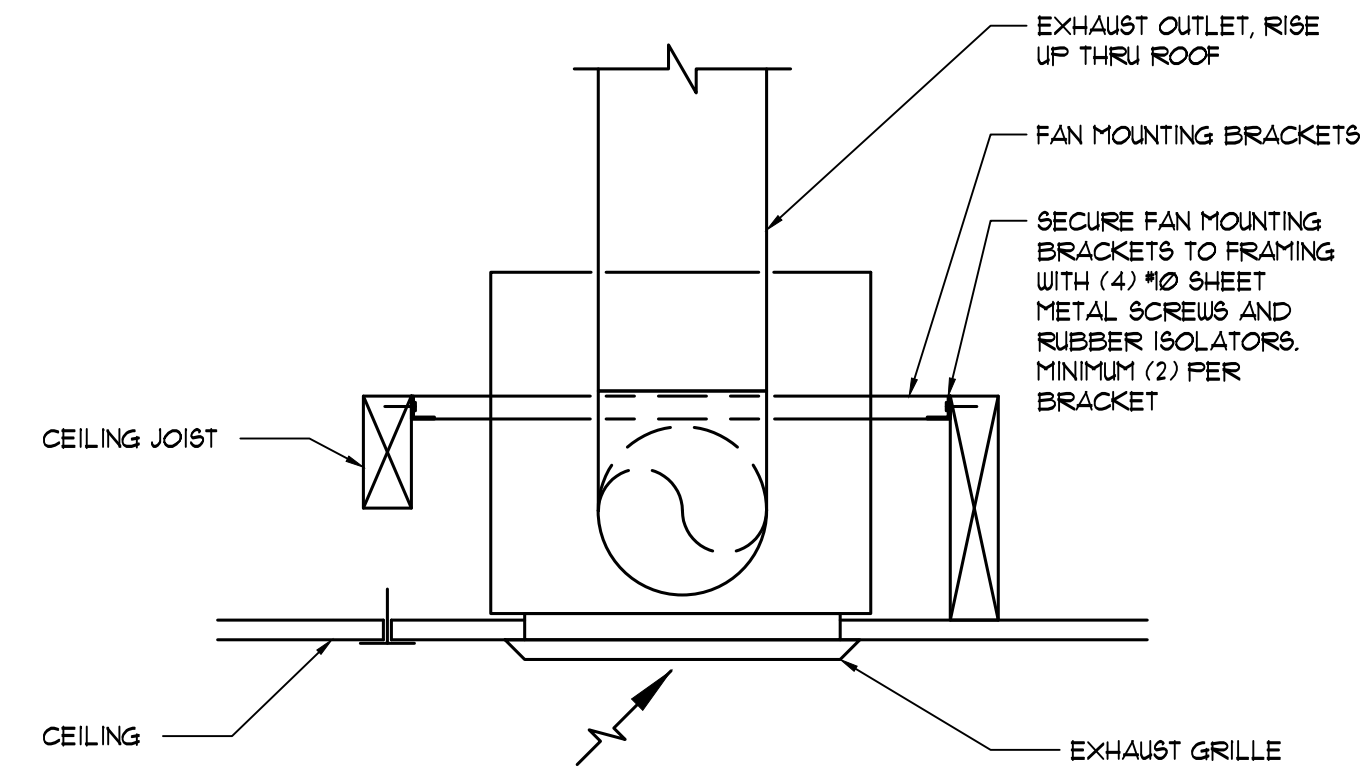
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JOB NO. 23028
SHEET

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M2.1

OF SHEETS

MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

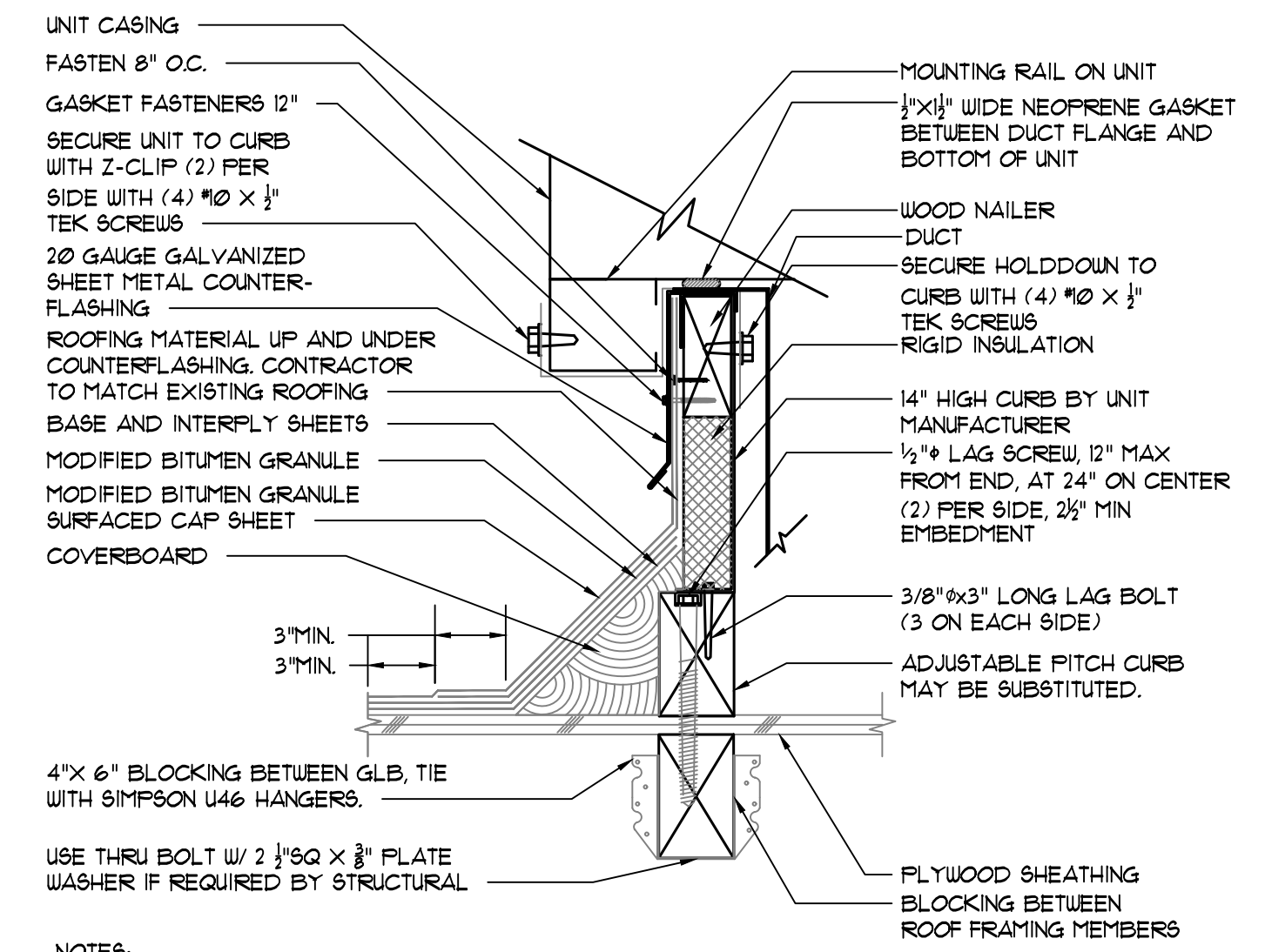




CEILING EXHAUST FAN

SCALE: NONE

4
M31

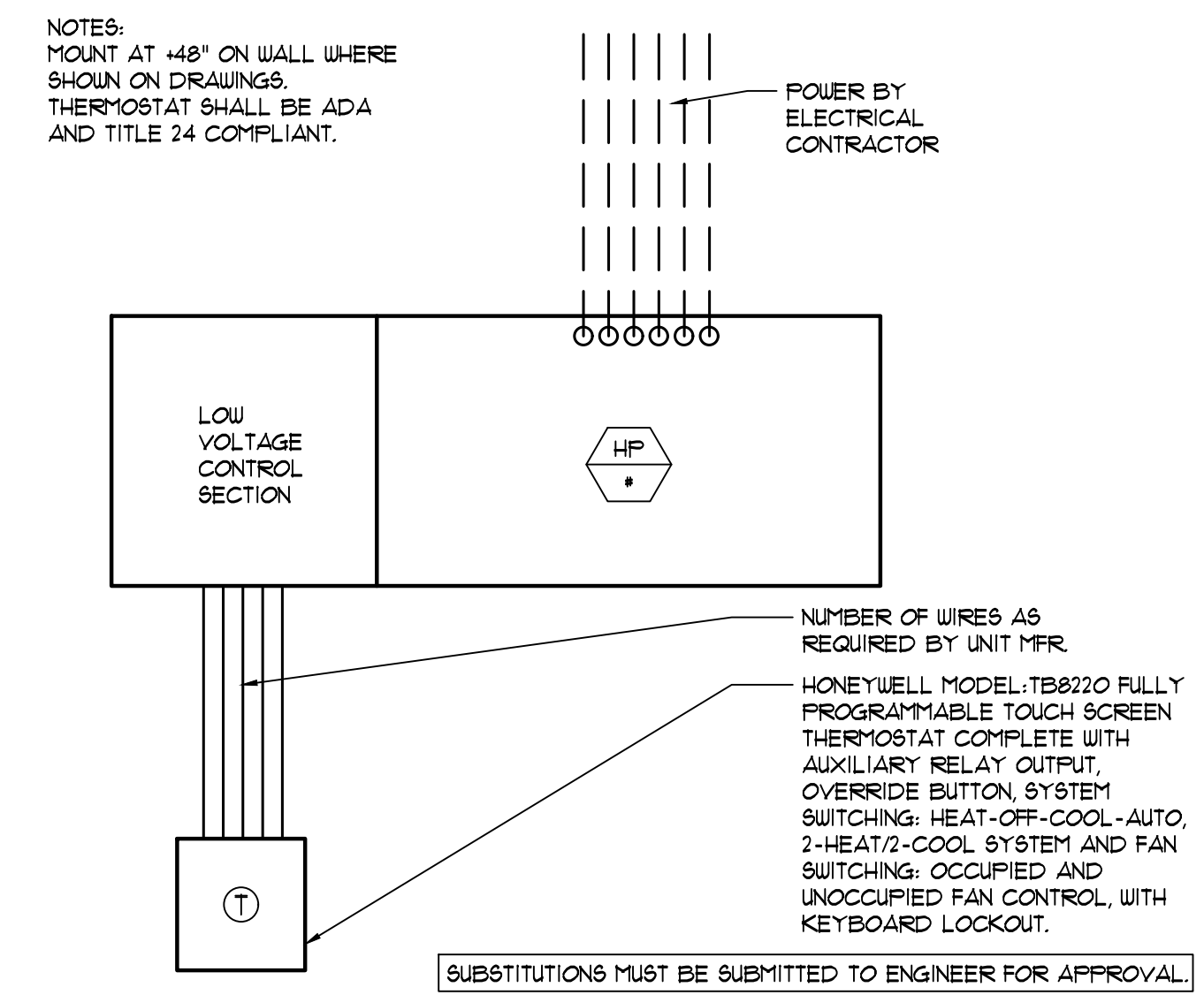


AC UNIT CURB

SCALE: NONE

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M31

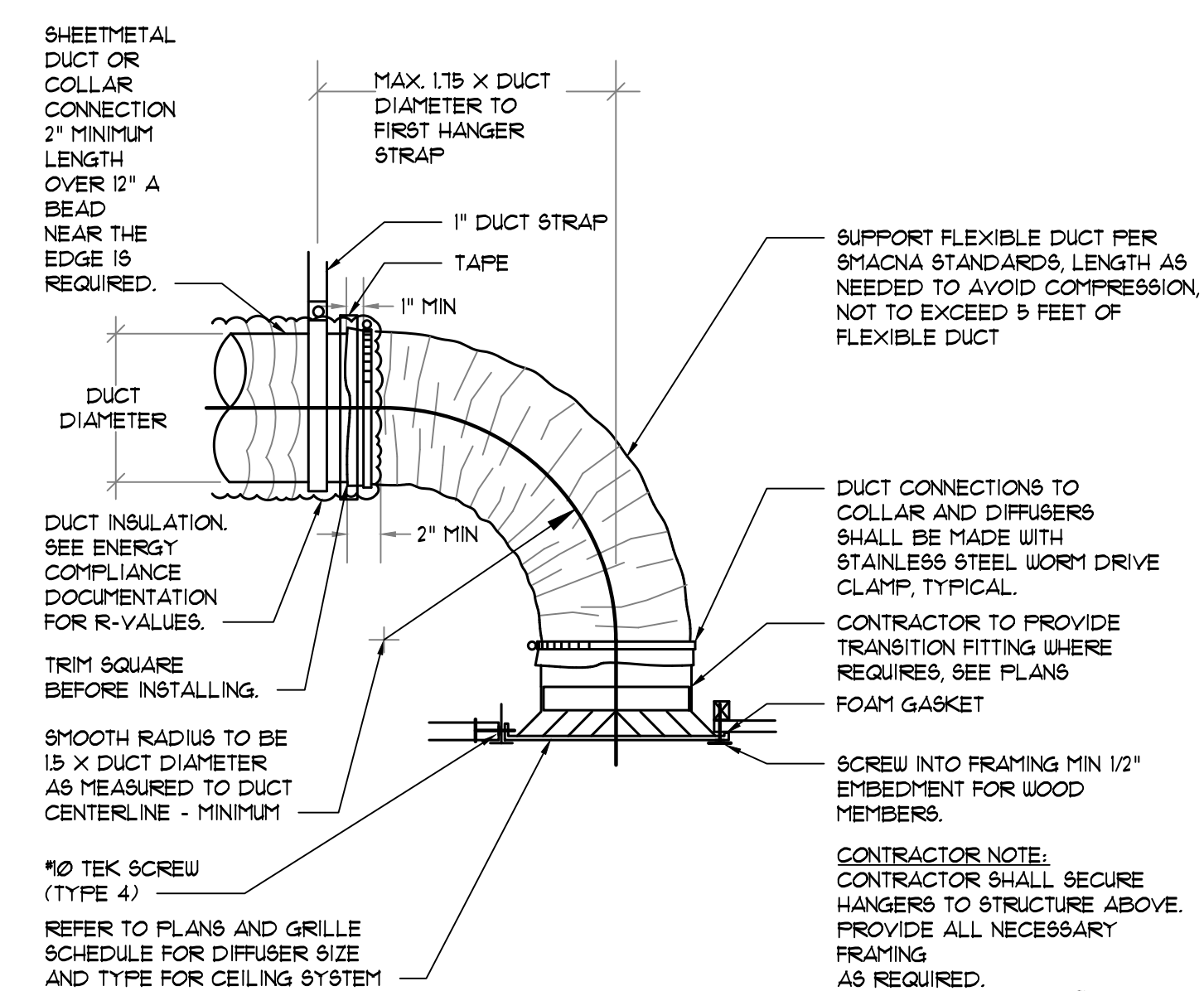
NOTES:
1. GRANULES MUST BE EMBEDDED WHEN THERMALLY FUSING GRANULE SURFACED CAP SHEET.
2. FLASHING LAPS MUST BE OFFSET FROM FIELD LAPS BY A MINIMUM OF 12".
3. WHEN POSSIBLE, MECHANICAL UNITS SHOULD NOT BE SET UNTIL THE ROOF MEMBRANE AND FLASHING HAVE BEEN INSTALLED.



HEAT PUMP CONTROLS WIRING

SCALE: NONE

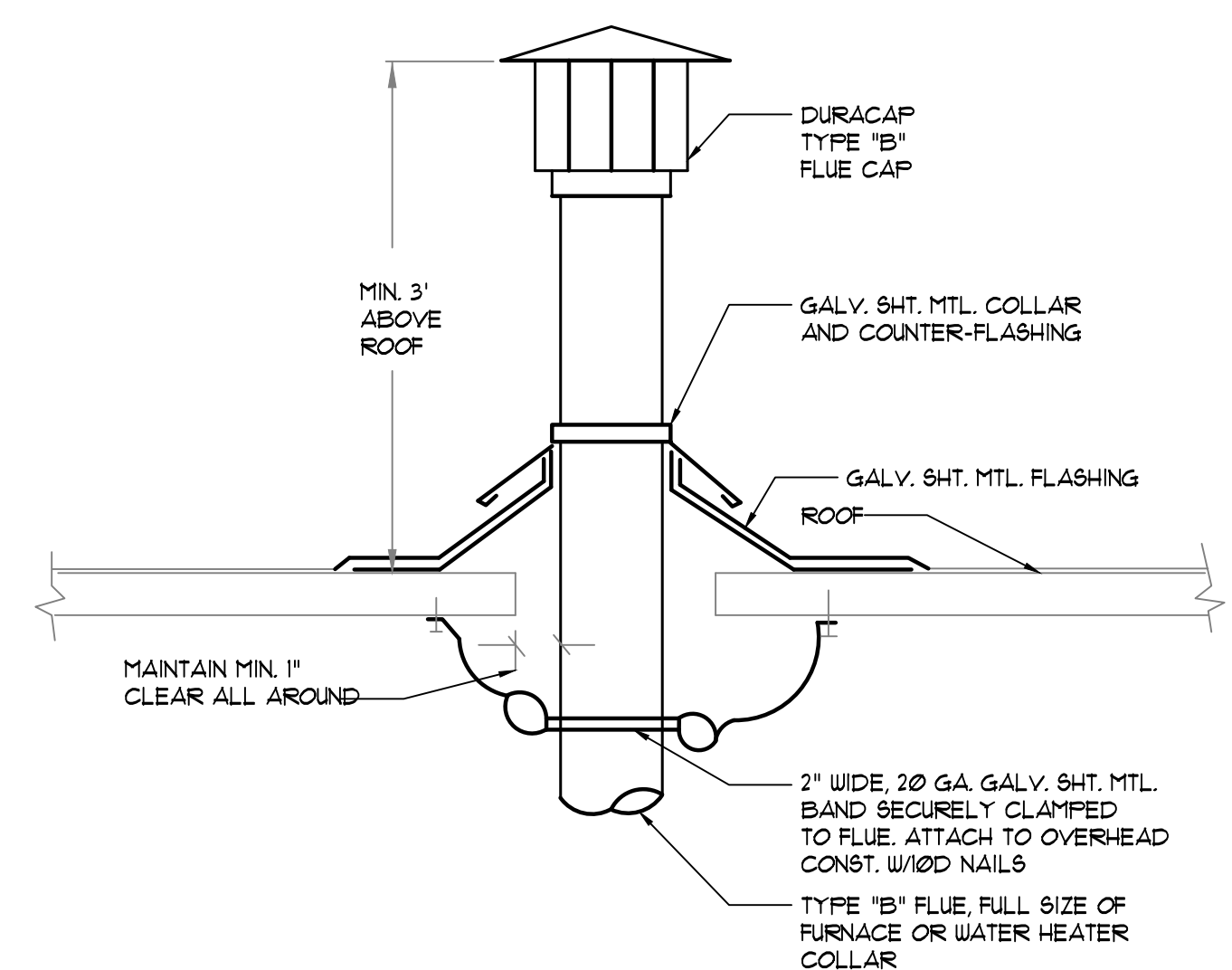
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CEILING DIFFUSER

SCALE: NONE

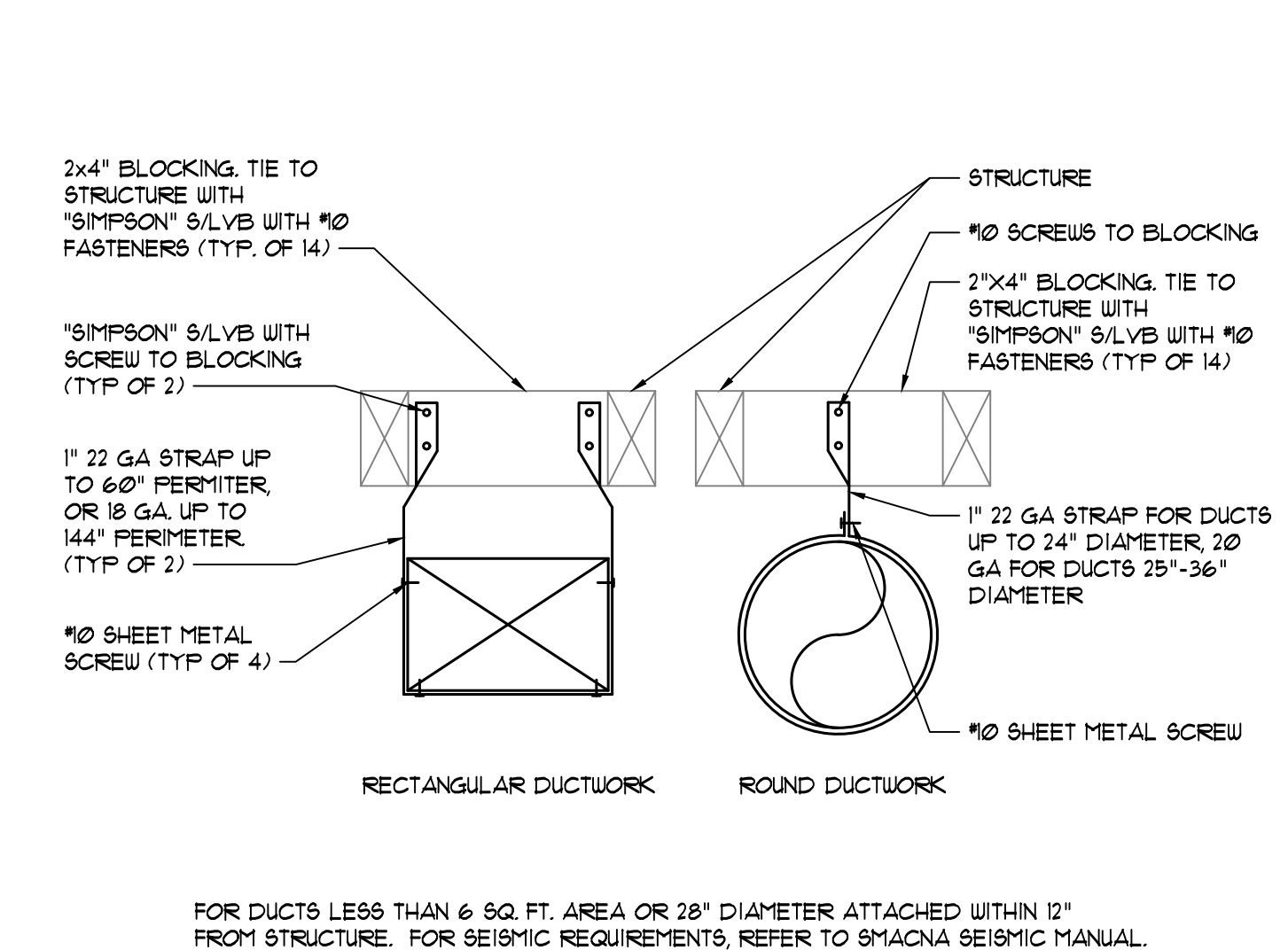
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FLUE THRU ROOF

SCALE: NONE

6
M31

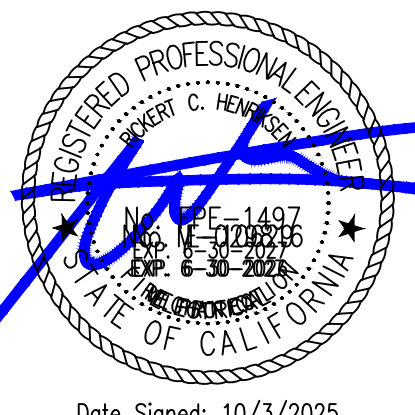


DUCT SUPPORT

SCALE: NONE

3
M31

FOR DUCTS LESS THAN 6 SQ. FT. AREA OR 28" DIAMETER ATTACHED WITHIN 12" FROM STRUCTURE. FOR SEISMIC REQUIREMENTS, REFER TO SMACNA SEISMIC MANUAL.



Date Signed: 10/3/2025



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CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
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REVISIONS:

NO.	DATE	DESCRIPTION

DATE: 00/00/25
DRAWN: MU/JS
JOB NO.: 23028

SHEET OF M3.1 SHEETS

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 13 of 14) NRCC-PHF-E. M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE. Selection made by Documentation Author indicates which Certificates of Acceptance must be submitted for the features to be recognized for compliance.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 9 of 14) NRCC-PHF-E. G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL). Table with columns: G1, G2, G3, G4, G5, G6, G7, G8, G9. Includes assembly methods like 'Vertical Fenestration Fixed Window Metal'.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 5 of 14) NRCC-PHF-E. C1. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS. Table with columns: Non-Regulated Energy Component, Standard Design (TDV), Proposed Design (TDV), Compliance Margin (TDV%).

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 1 of 14) NRCC-PHF-E. A. General Information. Table with columns: Item, Project Name, Run Title, Project Location, City, Zip code, Climate Zone, Building Type(s), Project Scope, Total Conditioned Floor Area in Scope (ft²), Total Unconditioned Floor Area (ft²), Nonresidential Conditioned Floor Area, Residential Conditioned Floor Area.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 14 of 14) NRCC-PHF-E. Documentation Author's Declaration Statement. I, certify that this Certificate of Compliance documentation is accurate and complete. Includes signature and contact information for Sacramento Engineering Consultants.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 10 of 14) NRCC-PHF-E. H1. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY. Table with columns: Item, City, Design OA CFM, Power, Power Units, Control, Fan Type, CFM, Power, Power Units, Control, Status¹.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 6 of 14) NRCC-PHF-E. C7. ENERGY USE SUMMARY. Table with columns: Energy Component, Standard Design Site (EUI), Proposed Design Site (EUI), Margin (EUI/yr), Standard Design Site (EUI), Proposed Design Site (EUI), Margin (EUI/yr).

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 2 of 14) NRCC-PHF-E. B. PROJECT SUMMARY. Table with columns: Building Components Complying via Performance, Building Components Complying Prescriptively. Includes details for Envelope, Mechanical, Domestic Hot Water, and Lighting.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 11 of 14) NRCC-PHF-E. H1. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY. Table with columns: System ID, System Type, Qty, Rated Capacity (kBtu/h), Heating, Cooling, Design, Min. Ratio, Power, Fan, Cycles, VSD.

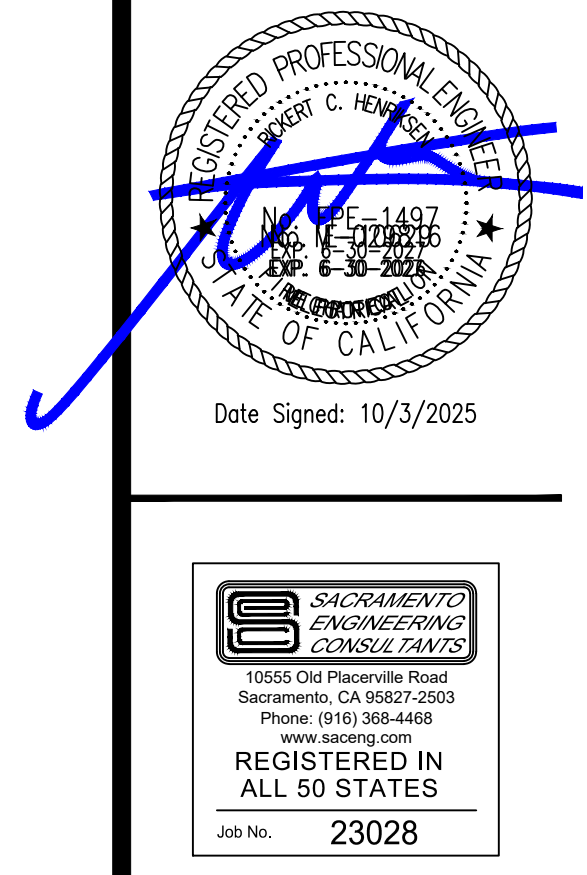
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 7 of 14) NRCC-PHF-E. G1. ENERGY USE INTENSITY (EUI). Table with columns: Standard Design (kBtu/ft²/yr), Proposed Design (kBtu/ft²/yr), Margin (kBtu/ft²/yr), Margin Percentage. Includes GROSS EUI¹ and NET EUI¹.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 3 of 14) NRCC-PHF-E. C1. COMPLIANCE SUMMARY. Table with columns: Compliance Margins, Pass. Includes sub-tables for Energy Component, Standard Design (TDV), Proposed Design (TDV), Compliance Margin (TDV%).

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 12 of 14) NRCC-PHF-E. K1. INDOOR CONDITIONED LIGHTING GENERAL INFO. Table with columns: Occupancy Type¹, Conditioned Floor Area² (ft²), Installed Lighting Power (Watts), Lighting Control Credits (Watts), Additional (Excess) Allowance.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 8 of 14) NRCC-PHF-E. G5. OPAQUE SURFACE ASSEMBLY SUMMARY. Table with columns: Surface, Construction Type, Area (ft²), Framing Type, Cavity R-Value, Continuous R-Value, Units, Value, Description of Assembly Layers, Status¹.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 4 of 14) NRCC-PHF-E. C1. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kWh/ft²-yr). Table with columns: Energy Component, Standard Design (TDV), Proposed Design (TDV), Compliance Margin (TDV%).



CONSTRUCTION DOCUMENTS FOR: YOLO COUNTY - ROADS BUILDING RENOVATIONS. 284 W. BEAMER STREET WOODLAND, CA. CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT ADDRESS: 120 W. MAIN STREET, SUITE D, WOODLAND CA. JOB TITLE: T24.1 OF SHEETS. DATE: 00/00/25. DRAWN: MJJS. JOB NO.: 23028. SHEET: T24.1 OF SHEETS.

GENERAL PLUMBING NOTES

I. GENERAL PLUMBING NOTES

ALL EQUIPMENT AND MATERIALS USED SHALL BE NEW AND SHALL BE EQUAL IN QUALITY, TYPE, CAPACITY AND ACCESSORIES TO THE EQUIPMENT NOTED ON THE DRAWINGS. ADJUSTMENTS TO CONSTRUCTION AND ACCESSORIES ON SUBSTITUTED EQUIPMENT MAY BE REQUIRED TO ACHIEVE THIS EQUALITY, AND SHALL BE INCLUDED AT NO EXTRA COST TO THE OWNER. MAKE ANY CHANGES IN PIPING, FRAMING, ETC., AS REQUIRED TO ACCOMMODATE SUBSTITUTED EQUIPMENT.

ALL PLUMBING FIXTURES, PIPES AND FITTINGS SHALL MEET THE STANDARDS REFERENCED IN 2022 CA PLUMBING CODE TABLE 110.1 AND 2022 CA GREEN BUILDING STANDARDS CODE CHAPTER 6 PER 2022 CA GREEN BUILDING STANDARDS CODE SECTION 5.303.6.

INSTALL ALL EQUIPMENT AND MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, APPLICABLE CODES SHALL INCLUDE, BUT NOT BE LIMITED TO THE 2022 EDITIONS OF THE CA MECHANICAL CODE, CA PLUMBING CODE, CA FIRE CODE, AND CA CODE OF REGULATIONS (CCR) TITLE 24 BUILDING ENERGY EFFICIENCY STANDARDS, WHERE HEAVIER GAGES OF MATERIAL, LARGER SIZES OR MORE STRINGENT REQUIREMENTS THAN THE CODES ARE REQUIRED BY THE CONTRACT DOCUMENTS, SUCH INCREASED REQUIREMENTS SHALL APPLY.

UNLESS SUBMITTED ELECTRONICALLY, PROVIDE SIX COPIES OF SUBMITTALS WITH MANUFACTURER'S OPERATING AND MAINTENANCE DATA FOR ALL ITEMS OF EQUIPMENT INSTALLED. INDICATE THE EXACT MODEL(S) OF EQUIPMENT, WHERE THE MANUFACTURER'S DATA INCLUDES MODELS OTHER THAN THOSE INSTALLED. BIND THE INFORMATION IN 3 RING BINDERS WITH DIFFERENT TYPES OF EQUIPMENT INDEXED. PROVIDE A SHEET INDICATING THE CONTRACTOR'S (AND SUBCONTRACTOR'S) NAMES, ADDRESSES AND TELEPHONE NUMBERS, INCLUDE ALSO THE PREFERRED SOURCES OF SPARE PARTS FOR THE EQUIPMENT INSTALLED, INCLUDING ADDRESSES, TELEPHONE NUMBERS, ETC.

CONTRACTOR SHALL VERIFY ALL WORK CONDITIONS, PRIOR TO COMMENCING WORK, INCLUDING, BUT NOT LIMITED TO: PIPING SIZES, INVERT ELEVATIONS, POINTS OF CONNECTION, FIXTURES AND EQUIPMENT, STRUCTURAL ELEMENTS AND MATERIALS INDICATED AS EXISTING, AS WELL AS THE COORDINATED INSTALLATION OF ALL NEW WORK, MATERIALS, EQUIPMENT, ETC. VERIFY THE LOCATION AND REQUIRED PIPING CONNECTIONS OF ALL HVAC OR OTHER MECHANICAL EQUIPMENT. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO TRENCHING OR COMMENCING OTHER WORK. CONTRACTOR SHALL VERIFY SIZE OF EXISTING GAS METER IS ADEQUATE WITH PG&E BEFORE STARTING CONSTRUCTION.

MECHANICAL EQUIPMENT AND IDENTIFICATION TAGS SHOWN ON DRAWINGS ARE FOR THE COORDINATION OF UTILITIES ONLY. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT SPECIFICATIONS.

ALL FIELD TESTS SHALL BE OBSERVED BY THE AUTHORITY HAVING JURISDICTION.

2. GAS PIPING

MATERIALS:

BLACK STEEL, ASTM A-53, WITH MALLEABLE STEEL FITTINGS. PIPE SHALL BE COATED. PIPE SIZES 2 1/2" AND OVER SHALL HAVE WELDED JOINTS, SIZES 2" AND SMALLER MAY BE THREADED OR WELDED, AT CONTRACTOR'S OPTION, EXCEPT THAT ALL PIPING UNDERGROUND SHALL BE WELDED REGARDLESS OF SIZE. CONTRACTOR MAY USE POLYETHYLENE PIPING WITH TRACE WIRE FOR UNDERGROUND PIPING ONLY.

INSTALLATION NOTES:

WRAP UNDERGROUND COUPLINGS IN 6ML TAPE. PAINT ALL EXPOSED PIPING WITH RUST INHIBITING PAINT. GAS PIPING BELOW GRADE SHALL BE UNRAFFED AS DESCRIBED FOR WATER PIPING, OR, AT CONTRACTOR'S OPTION, MAY HAVE EXTRU-COAT OR SIMILAR COATING. ALL FIELD JOINTS SHALL BE UNRAFFED AS FOR BASE PIPING JOINTS. PLACE EXTRU-COAT GAS PIPING IN A SAND OR SIEVED EARTH BED, WITH SIMILAR COVERING TO A LEVEL OF 4" ABOVE TOP OF PIPE.

TESTING:

PRESSURE TEST ALL GAS PIPING FOR TWO HOURS AT 60 PSIG OR HIGHER. FIND LEAKS USING SOAP AND WATER OR SIMILAR MATERIALS AT ALL JOINTS. REPAIR ANY LEAKS FOUND BY REMAKING THE JOINT. DO NOT USE CAULKING OR SIMILAR METHODS TO CORRECT LEAKS. RESET AFTER REPAIRING LEAKS. UPON REPAIRING ANY LEAKS FOUND, RETEST THAT PORTION OF THE SYSTEM AS DESCRIBED ABOVE.

3. SANITARY SEWER, STORM WATER, VENT PIPING

MATERIALS:

SANITARY SEWER AND VENT: POLY VINYL CHLORIDE (PVC) OR ACRYLONITRILE-BUTADIENE-STYRENE (ABS) PLASTIC PIPE, ALL PIPE, COUPLINGS AND FITTINGS SHALL BE MANUFACTURED OF MATERIAL CONFORMING TO ASTM D1785, D1665, D1665, D1680, F678, SOLVENT CEMENT FOR PLASTIC PIPE SHALL CONFORM TO ASTM D1364, D2335, D3138. PLASTIC PIPING SHALL NOT BE USED IN FLENUMS.

SANITARY SEWER AND VENT EXPOSED OR IN RETURN AIR PLENUM OR SANITARY SEWER FROM URINALS, CAST IRON SOIL PIPE AND FITTINGS, ASPHALTIC COATED, CONFORMING TO CAST IRON SOIL PIPE INSTITUTE STANDARD #301 AND SO STAMPED. JOINTS SHALL BE HUBLESS PIPE AND FITTINGS SHALL CONFORM TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE CAST IRON SOIL PIPE INSTITUTE STANDARD 310 AND LOCAL CODE REQUIREMENTS. HUBLESS COUPLING GASKETS SHALL CONFORM TO ASTM STANDARD B301, B306, C364.

STORM WATER ABOVE GROUND SANITARY SEWER: SERVICE WEIGHT CAST IRON SOIL PIPE AND FITTINGS, NO-HUB OR EQUAL, OR SCHEDULE 40 GALVANIZED STEEL PIPE WITH BLACK CAST IRON DRAINAGE FITTINGS.

INSTALLATION NOTES:

CAREFULLY GRADE ALL SANITARY SEWER PIPING TO ENSURE A UNIFORM SLOPE IS ACHIEVED, WITHOUT ANY DIPS OR HIGH POINTS IN THE PIPING. UNLESS OTHERWISE NOTED, UNDER SLAB SANITARY SEWER PIPING SHALL BE SLOPED AT 1/4" PER FOOT.

CAREFULLY TRENCH FOR ALL UNDERGROUND PIPING, AVOID OTHER UTILITIES, AND REPAIR ANY DAMAGES CAUSED BY THE WORK OF THIS CONTRACT. PROVIDE PROPER SHORING FOR ALL DEEP TRENCHES, AS REQUIRED BY THE SAFETY REGULATIONS OF THE STATE, AND BY OSHA. PROVIDE ALL REQUIRED BARRICADES, WARNING SIGNS, ETC. CAP ALL PIPING ENDS AT THE CLOSE OF THE DAY'S WORK TO PREVENT ENTRY OF FOREIGN MATERIALS. FLUSH PIPING OF ALL DEBRIS BEFORE CONNECTING TO FIXTURES.

EMBED ALL UNDERGROUND PIPING, IN SIEVED EARTH FOR A DEPTH OF 4" ABOVE THE PIPE, 12" MIN. COVER. SMOOTH THE TRENCHING BELOW THE PIPING FREE FROM ANY ROCKS OR SIMILAR OBSTRUCTIONS AND PROVIDE SPACE FOR BELLS OR MECHANICAL JOINTS FOR ALL SANITARY SEWER PIPING. LATEROALLY BRACE PIPING TO PREVENT PIPE MOTION DURING BACK FILLING OPERATIONS. PROVIDE TRAPS FOR ALL FIXTURES. TRAPS FOR SINKS AND LAVATORIES SHALL BE BRASS, 1 1/2" GAGE MINIMUM THICKNESS WITH INTEGRAL CLEANOUT MODEL DEERBORN BRASS OR SIMILAR.

CLEANOUT FITTINGS SHALL BE NOT LESS IN SIZE: 1/2" PIPE-1 1/2" CLEANOUT, 2" PIPE-1 1/2" CLEANOUT, 2 1/2" PIPE-2 1/2" CLEANOUT, 3" PIPE-2 1/2" CLEANOUT, 4" AND LARGER PIPE-3 1/2" CLEANOUT. WALL CLEAN OUT: WADE #4800-C CLEANOUT TEE W/ WALL ACCESS COVER, DURA-COATED CAST IRON BODY, GAS AND WATER TIGHT BRONZE FLUG AND STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW. FLOOR CLEAN OUT: WADE #6000-STD GAS AND WATER-TIGHT TAPERED THREADED PLUG AND ROUND POLISHED NICKEL BRONZE SCORIATED ADJUSTABLE TOP.

PROVIDE WALL OR FLOOR CLEANOUT AT END OF ALL BRANCH FIXTURE RUNS.

PER CPC 906.2 EACH VENT SHALL TERMINATE NOT LESS THAN 10 FEET FROM, OR NOT LESS THAN 3 FEET ABOVE, AN OPENABLE WINDOW, DOOR OPENING, AIR INTAKE, OR VENT SHAFT, OR NOT LESS THAN 10 FEET IN EVERY DIRECTION FROM A LOT LINE, ALLEY AND STREET EXCEPTED. ABS AND PVC PIPING EXPOSED TO SUNLIGHT SHALL BE PROTECTED BY WATER BASED SYNTHETIC LATEX PAINT.

PROVIDE WRAP ON SANITARY PIPING UNDER ACCESSIBLE PLUMBING FIXTURES, PLUMBEREX "PRO-EXTREME" ONE-PIECE PROTECTOR WITH FULL ROTATION OPTION, AND 3-M DUAL LOCK FASTENERS SECURED WITH SELF LOCKING NYLON STRAPS. INSULATE RAIN WATER CONDUCTORS WHICH PASS THROUGH OCCUPIED AREAS WITH 1/2" THICK FIBERGLASS.

TESTING:

TEST ALL SANITARY SEWER PIPING FOR 8 HOURS BY CAPPING OR PLUGGING ALL JOINTS TO A LEVEL OF THE HIGHEST FIXTURE OR FITTING, FILLING THE SYSTEM WITH WATER, AND OBSERVING FOR LEAKS. TEST UNDERGROUND SECTION OF PIPE WITH A RISER TO ACHIEVE THE PRESSURE EQUIVALENT TO THE HIGHEST FIXTURE OR FITTING. REPAIR ANY LEAKS FOUND BY REMAKING THE JOINT. DO NOT USE CAULKING OR SIMILAR METHODS TO CORRECT LEAKS. UPON REPAIRING ANY LEAKS FOUND, RETEST THAT PORTION OF THE SYSTEM AS DESCRIBED ABOVE.

4. DOMESTIC WATER

DESCRIPTION:

TYPE K BELOW GRADE, TYPE L ABOVE GRADE, COPPER TUBING, HARD-TEMPER WITH WROUGHT COPPER FITTINGS. SOLDERING / BRAZING MATERIAL SHALL BE LEAD FREE, SILVER SOLDER BELOW GRADE, 95-5 OR SIMILAR PLASTIC SLEEVE ALL UNDERGROUND PIPES. CAPPED OR PLUGGED OUTLETS SHALL BE SCHEDULE 40 SCREWED BRASS PIPING SHALL BE ASTM B42, B19, B88.

PEX PIPING: IF SUBSTITUTED, CONTRACTOR SHALL PROVIDE REVISED PIPING PLAN AND CALCULATIONS BASED UPON MANUFACTURERS RECOMMENDATIONS. PIPING SHALL BE PEX-A, ASTM F876, F871 PER TABLE 6041.

CPVC PIPING: IF SUBSTITUTED, CONTRACTOR SHALL PROVIDE REVISED PIPING PLAN AND CALCULATIONS BASED UPON MANUFACTURERS RECOMMENDATIONS. PIPING SHALL BE ASTM D1785, D1364, D1846, F441 AND F438 SCHEDULE 40 PER TABLE 6041.

INSTALLATION NOTES:

SLOPE ALL WATER PIPING TO ELIMINATE AIR.

PROVIDE WATER HAMMER ARRESTORS, AT END OF HOT AND COLD WATER BRANCHES SERVING QUICK ACTION VALVES, I.E. FLUSH VALVES, CLOTHES WASHERS, ETC. FIXTURES. A MECHANICAL SHOCK ABSORBER MAY BE UTILIZED FOR A BATTERY OF FIXTURES, PROVIDED THE ABSORBER IS SIZED FOR THE MAIN LINE SERVING THE BATTERY OF FIXTURES, SIMILAR TO PFF MODEL SC190.

PER CPC 609.2 CHLORINATE ALL NEW WATER PIPING FOR A PERIOD OF 24 HOURS, BY CHARGING WITH A CHLORINE SOLUTION TO ACHIEVE A 50 PPM STRENGTH AT THE FIXTURE FURTHEST FROM THE POINT OF APPLICATION. UPON COMPLETION OF CHLORINATION, FLUSH ALL PIPING UNTIL NO CHLORINE CAN BE DETECTED BY TASTE. AFTER CHLORINATION AND ALL TESTING HAS BEEN COMPLETED, CLEAN ALL FIXTURE STRAINERS.

PROVIDE STOPS FOR ALL FIXTURES. STOPS SHALL HAVE THREADED INLETS, SIMILAR TO NIBCO 195A STOPS WITH BRAZED, SOLDERED OR COMPRESSSION INLET CONNECTIONS WILL NOT BE ALLOWED. PROVIDE 3 WAY HW ANGLE STOP FOR DISHWASHER.

PROVIDE ELBOWS AT ALL PIPING PENETRATIONS OF WALLS TO STOPS. ELBOWS SHALL HAVE NAILING EARS AND SHALL BE SECURELY FASTENED TO THE STRUCTURE. NIPPLES THROUGH THE WALLS SHALL BE 1PS WEIGHT THREADED COPPER OR BRASS.

PROVIDE WRAP ON HOT AND COLD WATER PIPING UNDER ACCESSIBLE PLUMBING FIXTURES, PLUMBEREX "PRO-EXTREME" ONE-PIECE PROTECTOR WITH FULL ROTATION OPTION AND 3-M DUAL LOCK FASTENERS SECURED WITH SELF LOCKING NYLON STRAPS. WRAP ALL HOT WATER SUPPLY AND RETURN PIPING WITH K-FLEX INSUL-TUBE, FLEXIBLE ELASTOMERIC CLOSED-CELL THERMAL INSULATION OR EQUAL. FOR PIPE SIZES LESS THAN 1", INSULATION THICKNESS SHALL BE 1". FOR PIPE SIZES 1" AND LESS THAN OR EQUAL TO 1 1/2", INSULATION THICKNESS SHALL BE 1 1/2". FOR PIPE SIZES 2" AND GREATER, INSULATION THICKNESS SHALL BE 2". INSULATION HAS A FLAME-SPREAD INDEX OF LESS THAN 25 AND A SMOKE-DEVELOPED INDEX OF LESS THAN 50. TAPE ALL BUTTED JOINTS WITH TAPE AS RECOMMENDED BY THE MANUFACTURER. USE ENLARGED SECTIONS AT FITTINGS, WHERE REQUIRED, AND MITERED JOINTS AT ELBOWS, ETC.

TESTING:

TEST ALL WASTE AND VENT PIPING FOR A PERIOD OF NOT LESS THAN 2 HOURS BY CAPPING OR PLUGGING ALL JOINTS TO A LEVEL OF THE HIGHEST FIXTURE OR FITTING, FILLING THE SYSTEM WITH WATER, AND OBSERVING FOR LEAKS. TEST UNDERGROUND SECTION OF PIPE WITH A RISER TO ACHIEVE THE PRESSURE EQUIVALENT TO THE HIGHEST FIXTURE OR FITTING. TEST WATER PIPING WITH AIR AT 100 PSIG FOR EIGHT HOURS, OBSERVING FOR ANY VISIBLE LEAKS. TEST PIPING AGAIN WITH FIXTURES INSTALLED AT 60 PSIG. REPAIR ANY LEAKS FOUND BY REMAKING THE JOINT. DO NOT USE CAULKING, LEAD OR SIMILAR METHODS TO CORRECT LEAKS. UPON REPAIRING ANY LEAKS FOUND, RETEST.

5. CONDENSATE

DESCRIPTION:

TYPE DWV COPPER TUBING AND FITTINGS FOR ROOF APPLICATIONS (PVC PIPING WILL ONLY BE ACCEPTABLE INDOORS EXCEPT IN RETURN AIR FLENUMS)

INSTALLATION NOTES:

ROUTE CONDENSATE PIPING FROM EQUIPMENT TO NEAREST APPROVED RECEPTOR. ALL CONDENSATE SYSTEMS SHALL TERMINATE INTO THE STORM DRAINAGE SYSTEM, UNLESS NOTED OTHERWISE, AND SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES. CONNECT TO EQUIPMENT COMPLETE WITH VENTED P-TRAP.

6. ALL PIPING

INSTALLATION NOTES:

PROVIDE PERMANENT CLEVIS TYPE HANGERS FOR ALL PIPING. WIRE, ROPE, WOOD BLOCKING OR PERFORATED METAL TAPE WILL NOT BE ACCEPTED. PROVIDE PLASTIC WRAPPING OF PIPE WHERE DISSIMILAR METALS OCCUR SUCH AS BETWEEN COPPER AND IRON PIPING AND SUPPORTS.

PROVIDE CHROME PLATED ESCUTCHEON PLATES ON ALL PIPES PASSING THROUGH WALLS OR CEILINGS. ALL EXPOSED PIPING SHALL BE CHROME PLATED.

CATHODIC PROTECTION: WRAP ALL COPPER OR STEEL WATER PIPING UNDER FLOOR OR BELOW GRADE WITH TWO LAYERS OF FABCO-WRAP, OR SIMILAR MATERIALS, INCLUDING ALL JOINTS. WRAP WATER, WASTE AND GAS PIPING THROUGH THE FLOOR SLAB WITH 1/2" THICK FIBERGLASS, 2" ABOVE AND BELOW THE SLAB SURFACES.

1. ONLY PERMITTED PLANS SHALL BE USED FOR CONSTRUCTION OR BIDDING.

EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL FIXTURES IN THIS SCHEDULE OR THEIR APPROVED EQUIVALENT. REFER TO ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS OF FIXTURES. ALL WATER FIXTURES TO BE LEAD FREE.
WC-1	*FIXTURE COMPLIES WITH CALIFORNIA GREEN BUILDING STANDARDS DIVISION 5.3 FOR WATER EFFICIENCY AND CONSERVATION.
WC-2	ACCESSIBLE WATER CLOSET: KOHLER K-PR96051-0 "HIGHCLIFF ULTRA" FLOOR MOUNTED FLUSH VALVE TYPE, WHITE VITREOUS CHINA, 16" HIGH ELONGATED DIRECT-FED SIFON JET ACTION BOWL, BOLT CAPS, TOP SPUD, SLOAN #UES111 CHROME PLATED FLUSH VALVE, DUAL FLUSH, 16/11 GPF, TRIP LEVER ON "OPEN" SIDE AND BEM16 105569C OPEN FRONT SEAT LESS COVER. ALL COMPONENTS SHALL BE WHITE. UNIT SHALL CONFORM TO ADA AND TITLE 24 REQUIREMENTS FOR ACCESSIBLE INSTALLATIONS.
LD-1	WATER CLOSET: KOHLER K-95054-0 "WELL-COMME ULTRA" FLOOR MOUNTED FLUSH VALVE TYPE, WHITE VITREOUS CHINA, 15 1/2" HIGH ELONGATED DIRECT-FED SIFON JET ACTION BOWL, BOLT CAPS, TOP SPUD, SLOAN #UES111 CHROME PLATED FLUSH VALVE, DUAL FLUSH, 16/11 GPF, TRIP LEVER ON "OPEN" SIDE AND BEM16 105569C OPEN FRONT SEAT LESS COVER. ALL COMPONENTS SHALL BE WHITE. UNIT SHALL CONFORM TO ADA AND TITLE 24 REQUIREMENTS FOR ACCESSIBLE INSTALLATIONS.
MS	LAVATORY: AMERICAN STANDARD "AQUALYN" #0416-018, 20"X11-3/8" SELF RIMMING, VITREOUS CHINA, FRONT OVERFLOW, SINGLE FAUCET HOLE WITH AMERICAN STANDARD #1075054 CHROME PLATED SINGLE LEVER HANDLE FAUCET, Ø5 GPM AERATOR AND METAL GRID DRAIN ASSEMBLY. INSULATE HOT WATER AND WASTE PIPING. UNIT SHALL CONFORM TO ADA AND TITLE 24 REQUIREMENTS FOR ACCESSIBLE INSTALLATIONS.
6-1	MOP SINK: FLORESTONE MODEL #M82424 FLOOR MOUNTED 1-PIECE MOLDED MOP RECEPTOR WITH INTEGRAL DRAIN FOR CONNECTION TO 2" ABS PIPING. WEDGE-LOCK SEAL, FLAT-TYPE, DRAIN GRID WILL BE 18 GAUGE STAINLESS STEEL, STAINLESS STEEL RIM GUARDS, TILING FLANGES, MOEN #6230 FAUCET WITH TOP BRACE, STOPS AND VACUUM BREAKER.
9-1	SINK: ELKAY #LRAD-291865 GOURMET, 18 GAUGE TYPE 304 STAINLESS STEEL, SELF-RIMMING, 29"X18" OVERALL DIMENSIONS, 12"X12"X6 3/4" BOWLS, DOUBLE COMPARTMENT UNIT WITH 3-HOLE PUNCH FOR MOEN #6101 CHROME PLATED SINGLE LEVER FAUCET, PROVIDE WITH 18 GPM AERATOR AND COMPLETE WITH ELKAY MODEL LK-35 DUO STRAINER.
ED	FLOOR DRAIN: ZURN #245-BZ1, 5" DIAMETER NICKEL BRONZE TOP WITH 2" PIPE, AND FLANGE
FS	FLOOR SINK: ZURN #1801-KC-2-25 WITH CAST IRON BODY, ENAMELED INTERIOR, 8" DEEP 5/8" FLANGE, ALUMINUM BOTTOM DOME STRAINER, NO GRATE, 2" OUTLET, CAULK JOINT.
TE	TRAP PRIMER: SIOUX CHIEF 695 SERIES. INSTALL LEVEL MINIMUM 12" ABOVE FINISHED FLOOR AND WITH VERTICAL LOOP THAT RISES ABOVE THE SUPPLY LINE TEE. PROVIDE SPLITTERS AND DISTRIBUTORS AS REQUIRED FOR THE NUMBER OF TRAPS SERVED AND 12"X12" ACCESS DOOR FOR CONCEALED UNIT.
GUH	WATER HEATER: BRADFORD WHITE, ULG250H553N GAS FIRED, 55000 BTUH INPUT, 48 GALLON STORAGE CAPACITY, 53 GPM RECOVERY AT 100 F RISE, GLASS LINED STORAGE TANK, MAGNESIUM ANODE, INSULATED AND JACKETED, CAST IRON BURNER, PRESSURE AND TEMPERATURE RELIEF VALVE. INSTALL WITH EXPANSION TANK, AMTROL #6T-5-C "THERM-X-TROL", DIAPHRAGM TYPE, PREFPRESSURIZED TANK, 22"X65 3/4"HT., 80% EFFICIENT.

WATER AND WASTE SERVICE CALCULATIONS

FIXTURE TYPE	NO.	WASTE		COLD WATER		HOT WATER		TOTAL WATER
		FU	TOTAL	FU	TOTAL	FU	TOTAL	
KITCHEN SINK (DOMESTIC)	1	3	3	1.125	1.125	1.125	1.125	1.5
LAVATORY (SINGLE)	4	1	4	0.75	3	0.75	3	4
SERVICE SINK	1	3	3	2.25	2.25	2.25	2.25	3
FLOOR SINK RECEPTOR	1	3	3	0	0	0	0	0
WATER CLOSET, 1.6 FV	4	4	16	5	20	0	0	20
MISCELLANEOUS FIXTURE	1	0	0	0.5	0.5	0	0	0.5
TOTAL FU			29.0		26.9		6.4	29.0
EQUIVALENT COLD WATER FLOW RATE (GPM):							40	
ADDITIONAL DEMAND LOAD (GPM)							0	
PRESSURE AVAILABLE AT MAIN (PSI):							45	
MINIMUM REQUIRED FIXTURE PRESSURE (PSI):							20	
ELEVATION RISE (FT):							3	
METER LOSS (PSI):							3	
BACKFLOW PREVENTER LOSS (PSI):							10	
ADDITIONAL LOSSES (PSI):							0	
EQUIVALENT PIPE LENGTH FROM METER TO MOST REMOTE FIXTURE (FT):							150	
FRICTION LOSS PRESSURE AVAILABLE (PSI):							10.70	
MAXIMUM ALLOWABLE FRICTION LOSS (PSI/100 FT):							7.13	
WATER FLOW VELOCITY (FPS):							7.28	
CALCULATED FRICTION HEAD LOSS (PSI/100 FT):							7.11	
MINIMUM REQUIRED "WATER" PIPE SIZE (INCHES):							1.5	
MINIMUM REQUIRED "WASTE" PIPE SIZE (INCHES):							3	
(CALCULATIONS PER THE UPC/CPC)								

WATER PIPE SIZING CHART

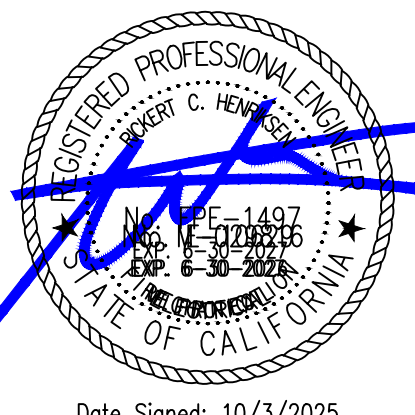
PIPE SIZES CALCULATED BASED ON UPC/CPC APPENDIX A							
SIZE: TYPE L COPPER		CW MAX FLOW		CW FIXTURE UNIT VALUES		HW MAX FLOW	
NOMINAL DIAMETER	INTERNAL DIAMETER	GPM	FPS	FLUSH TANK	FLUSH VALVE	GPM	FPS
3/8"	0.44	1.6	3.4	0	0	1.6	3.4
1/2"	0.545	2.8	3.8	1	0	2.8	3.8
3/4"	0.785	7.3	4.8	8	0	7.3	4.8
1"	1.025	14.7	5.7	20	0	12.9	5.0
1-1/4"	1.265	25.6	6.5	42	8	19.6	5.0
1-1/2"	1.505	40.4	7.3	86	28	27.7	5.0

PLUMBING LEGEND

SYMBOL / ABBREVIATION	DESCRIPTION	SYMBOL / ABBREVIATION	DESCRIPTION
---X---	SANITARY SEWER BELOW GRADE/SLAB	---X---	BY
---	SANITARY SEWER ABOVE GRADE/SLAB	---X---	WHA
---	VENT PIPING	---	TP
---	COLD WATER PIPING	---	REDUCER
---	HOT WATER PIPING	---	FD
---	HOT WATER RETURN PIPING	---	FS
---	TEMPERED WATER PIPING	---	HB
---	GAS PIPING - PRESSURE NOTED	---	FOC
---	COMPRESSED AIR PIPING	---	FF
---		---	CLG
---	STORM DRAIN PIPING	---	CLG
---	CONDENSATE DRAIN PIPING	---	US, UF, UG
---	PRESSURE AND TEMPERATURE RELIEF PIPING	---	ABC
---	EXISTING PIPING OR FIXTURE TO BE REMOVED	---	IE
---	UNION	---	TDL
---		---	(E), EXISTING
---		---	RD
---	GATE VALVE, IN RISER/DROP	---	OD
---	GATE VALVE IN VALVE BOX	---	W, WD
---	CHECK VALVE	---	V, VR, VTR
---	CLEANOUT, WALL CLEANOUT	---	
---	GRADE OR FLOOR CLEAN OUT	---	CW, HW
---	(D)	---	NTS
---	PIPE RISER	---	TYP
---	PIPE TEE DROP	---	NIPC
---	PIPE TEE RISER	---	

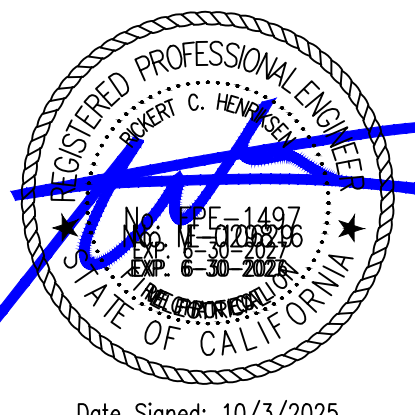
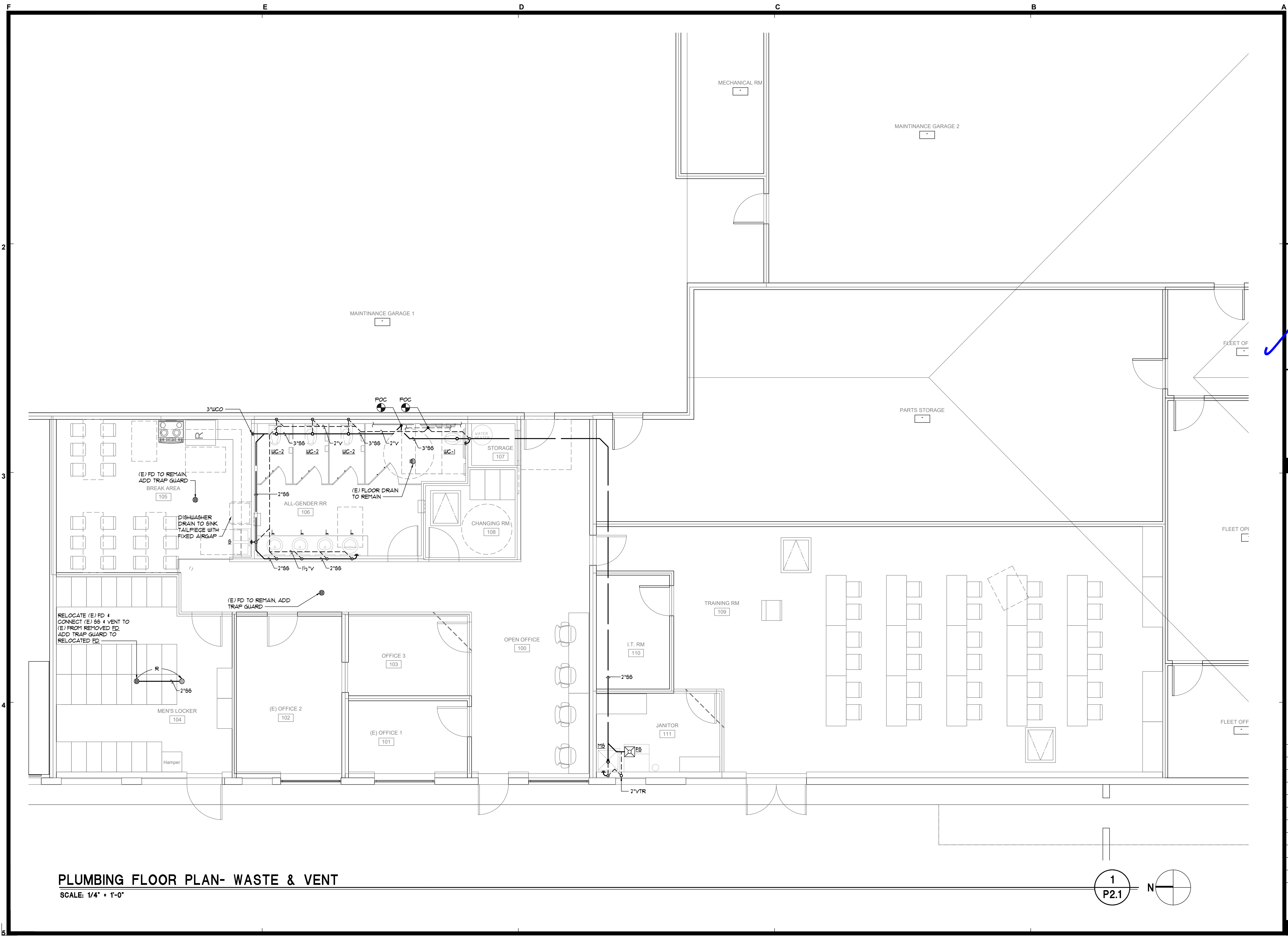
FIXTURE PIPING CHART

DESCRIPTION	SYMBOL	VENT (IN)	WASTE PIPE (IN)		CW PIPE (IN)		HW PIPE (IN)	
			BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
WATER CLOSET, FT	WC	2	3	3	3/4	3/4	-	-
LAVATORY	L	1 1/2	2	1 1/2	3/4	1/2	3/4	1/2
SINK	S	1 1/2	2	1 1/2	3/4	1/2	3/4	1/2
SERVICE SINK, 2"	SS	1 1/2	2	2	3/4	3/4	3/4	3/4
FLOOR DRAIN, 2"	FD	2	2	2	-	-	-	-
TRAP PRIMER	TP	-	-	-	1/2	1/2	-	-
FLOOR SINK 2"	FS	2	2	2	-	-	-	-



JOB TITLE:

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YOLO COUNTY -
ROADS BUILDING RENOVATIONS
 284 W. BEAMER STREET
 WOODLAND, CA
 CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
 ADDRESS: 120 W. MAIN STREET, SUITE D, WOODLAND CA



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 REGISTERED IN ALL 50 STATES
 Job No. 23028

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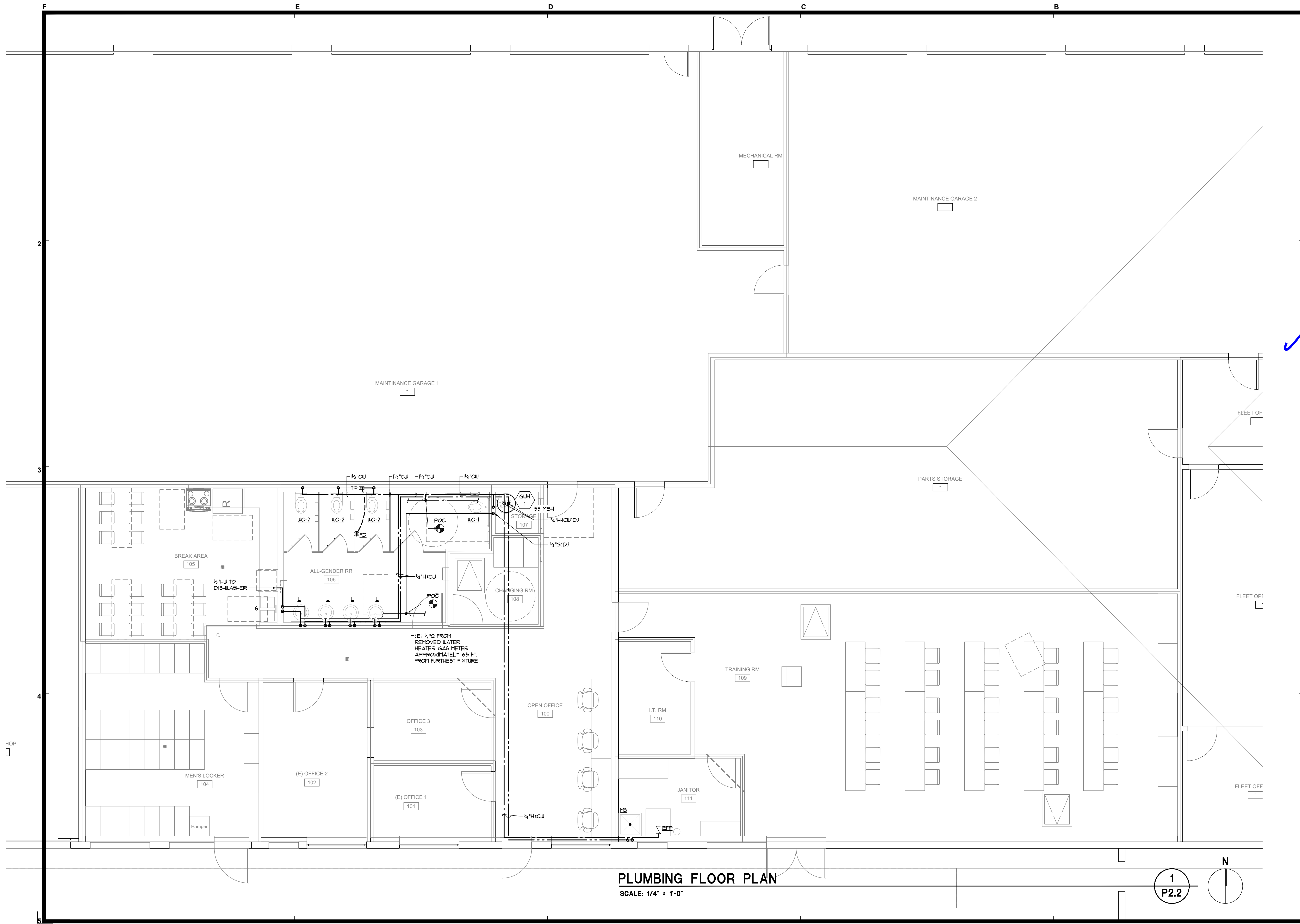
DATE	DESCRIPTION

DATE 00/00/25
 DRAWN MU/JS
 JOB NO. 23028
 SHEET

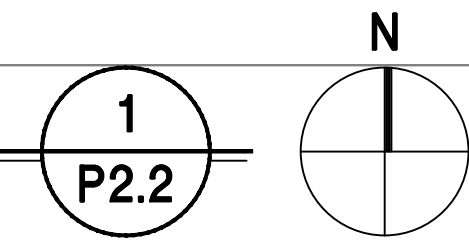
PLUMBING FLOOR PLAN- WASTE & VENT
 SCALE: 1/4" = 1'-0"

1
 P2.1 N

OF SHEETS
P2.1
 SHEETS



PLUMBING FLOOR PLAN
SCALE: 1/4" = 1'-0"



Date Signed: 10/3/2025



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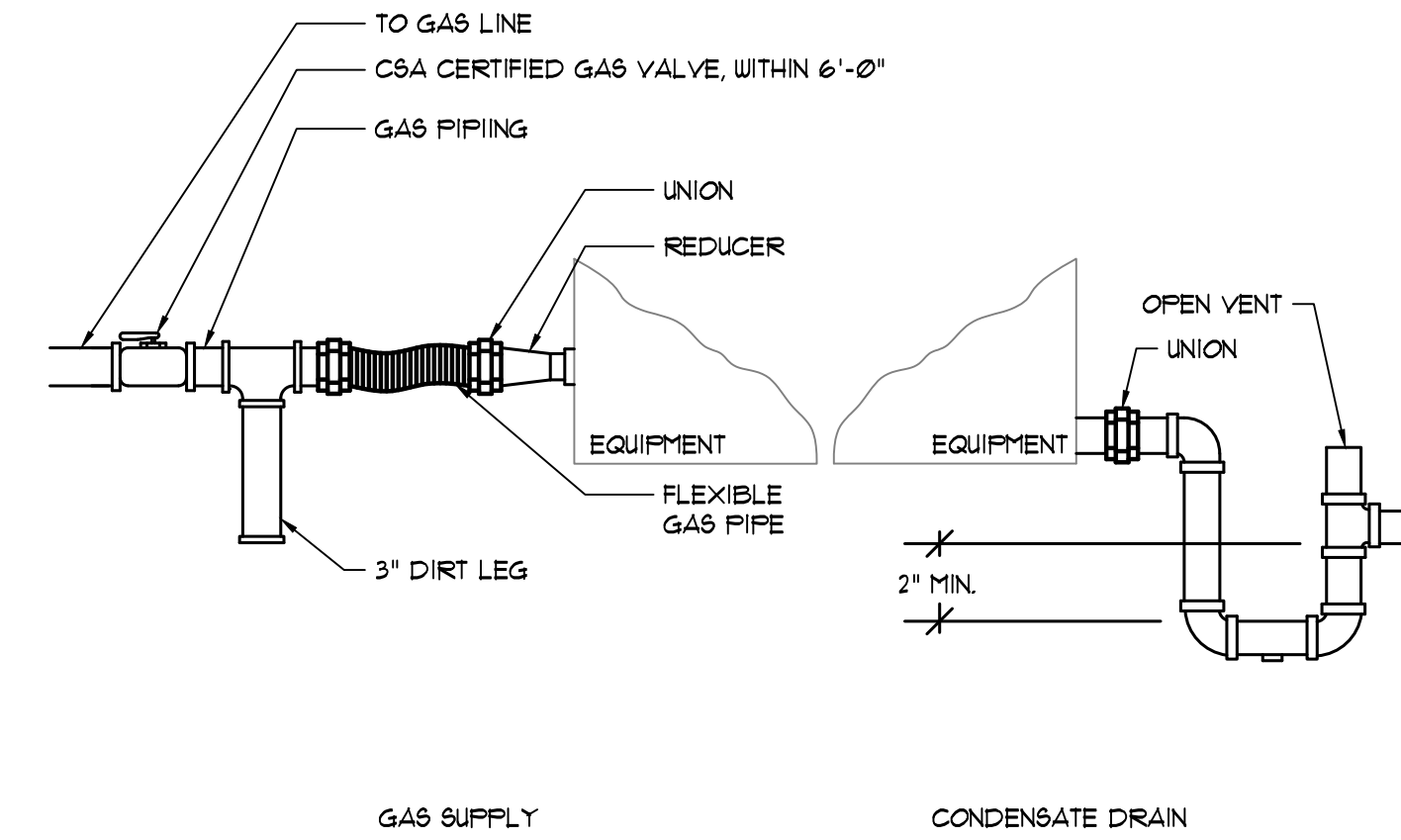
REVISIONS:

NO.	DATE	DESCRIPTION

DATE: 00/00/25
DRAWN: MU/JS
JOB NO.: 23028

SHEET
OF SHEETS

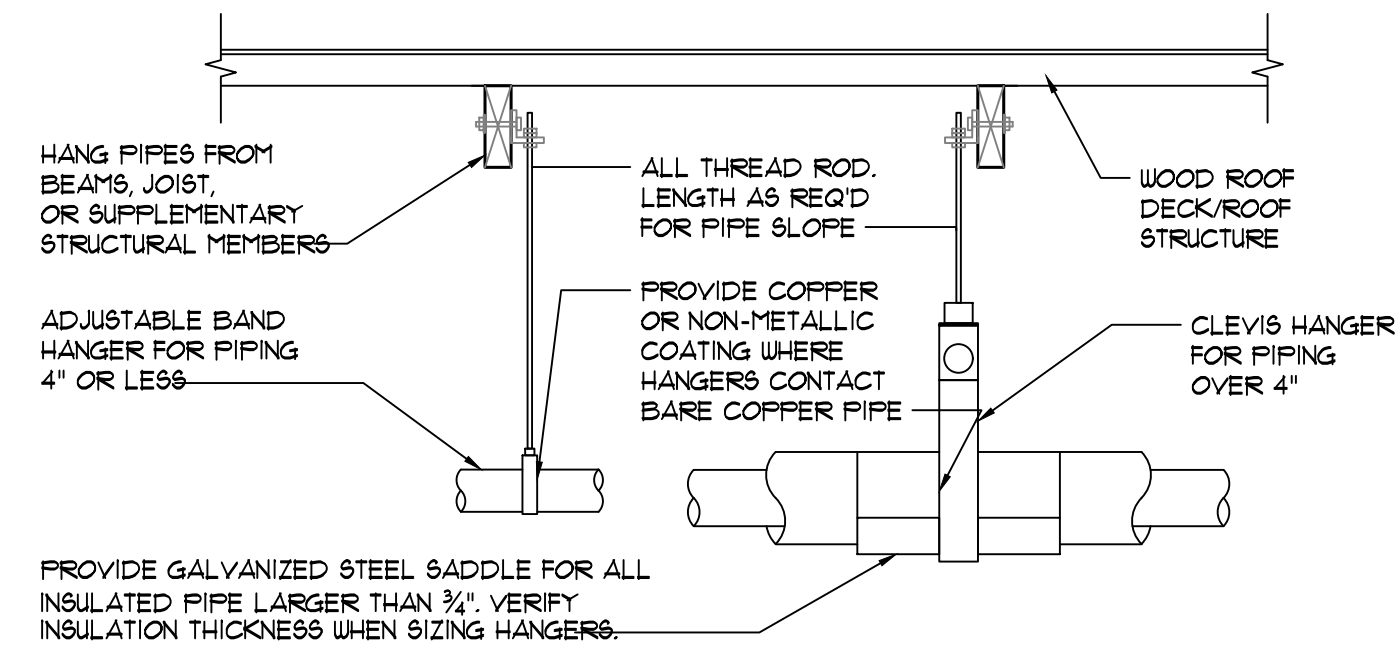
P2.2



GAS & CD DETAIL

SCALE: NONE

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P31



PROVIDE GALVANIZED STEEL SADDLE FOR ALL INSULATED PIPE LARGER THAN 3/2". VERIFY INSULATION THICKNESS WHEN SIZING HANGERS.

- NOTES:
- DO NOT HANG PIPE LARGER THAN 3" FROM BOTTOM OF BEAMS, JOIST, OR SUPPLEMENTARY STRUCTURAL MEMBERS.
 - PIPING SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES.
 - PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE.
 - DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER.
 - DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES.
 - TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES.
 - HANGER SPACING FOR PIPE SIZE AS FOLLOWS:

PIPE SIZE	4"	3"	2 1/2"	2"	1 1/2"	1 1/4"	1"	3/4"	3/8"
COPPER PIPE	12'-0"	11'-0"	10'-0"	9'-0"	8'-0"	7'-0"	6'-0"	6'-0"	5'-0"
CAST IRON	10'-0" AND ONE NEAR ALL JOINTS								
STEEL	14'-0"	12'-0"	11'-0"	10'-0"	9'-0"	N/A	7'-0"	6'-0"	5'-0"
SCH. 40 PVC AND ABS	ALL SIZES 4'-0" AND ALLOW FOR EXPANSION EVERY 30'-0"								
CPVC	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	3'-0"	3'-0"	3'-0"
PEX	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	32"	32"	32"

- LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS AND TEES OF PIPE.
- PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQUIRED.
- LOCATE HANGERS TO TAKE LOAD OFF OF EQUIPMENT CONNECTIONS.
- ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY.
- PROVIDE SEISMIC BRACING IF/AS REQUIRED BY LOCAL AUTHORITIES.
- CHAINS OR PERFORATED STRAP IRON OR STEEL IS NOT ACCEPTABLE.
- REFER TO CODES FOR FURTHER INFORMATION.

PIPE HANGERS

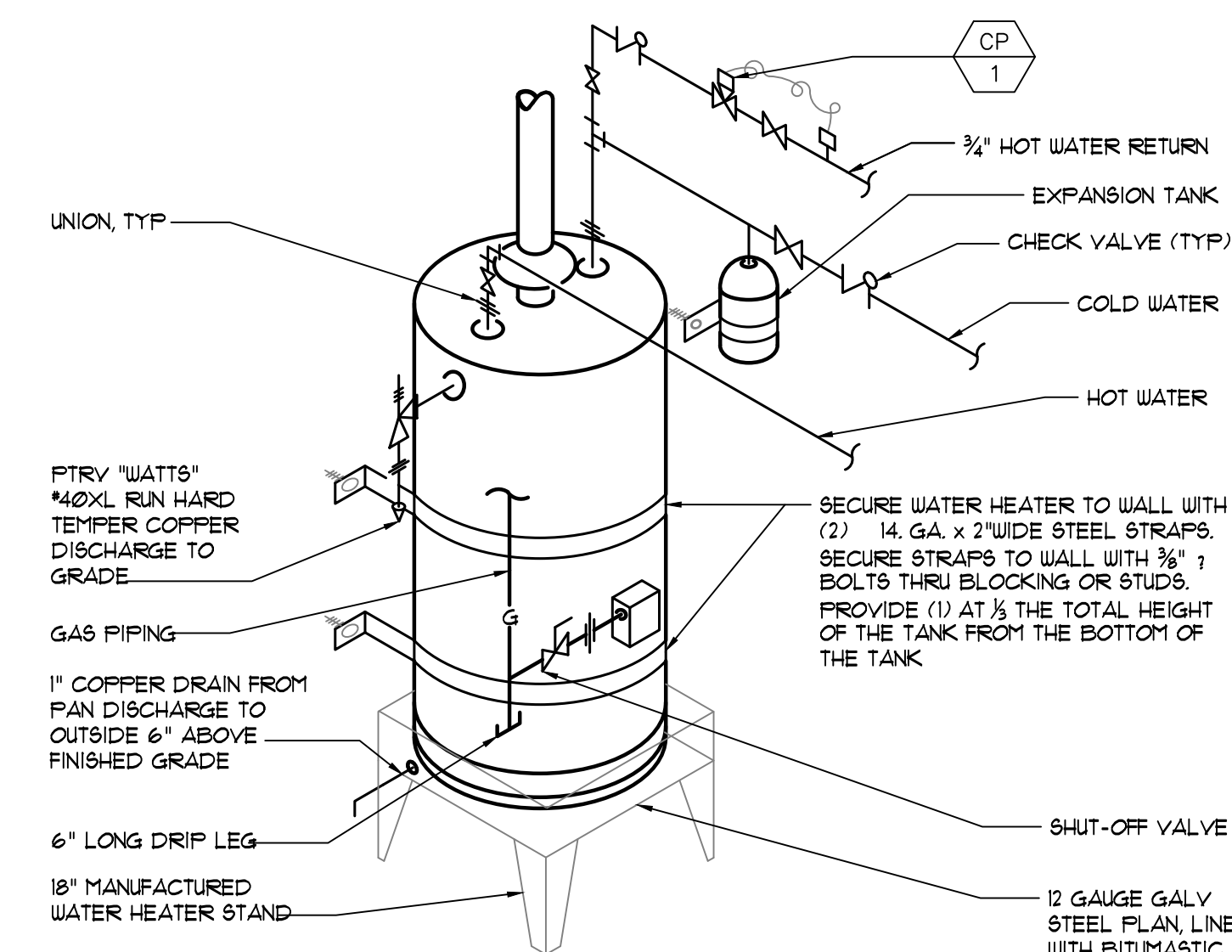
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P31

SLAB POUR BACK

SCALE: NONE

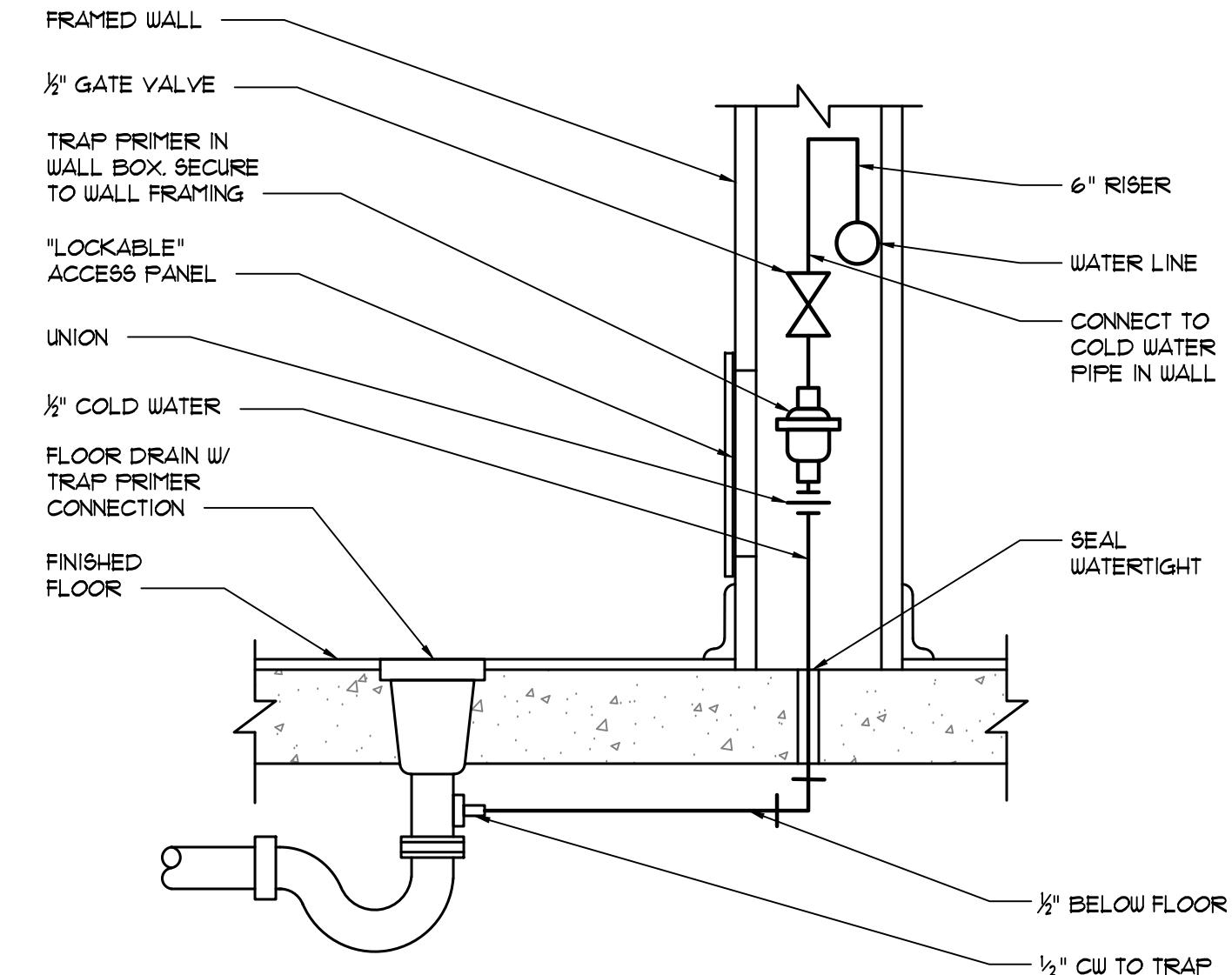
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P31



GAS WATER HEATER DETAIL

SCALE: NONE

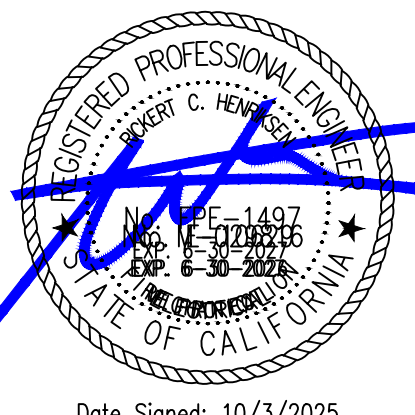
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P31



TRAP PRIMER DETAIL

SCALE: NONE

3
P31



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DATE	DESCRIPTION

DATE: 00/00/25
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 JOB NO.: 23028
 SHEET: P3.1 OF SHEETS

GENERAL NOTES

- THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL ELECTRICAL SHOWN IS NEW UNO.
- DIMENSIONS AND QUANTITIES WHERE SHOWN, ARE FOR ENGINEERING CALCULATIONS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR HIS OWN TAKE-OFF FOR THE PURPOSES OF BIDDING AND ORDERING.
- THE CONTRACTOR SHALL VISIT JOB SITE AND VERIFY DIMENSIONS AND CONDITIONS BEFORE BIDDING. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY, AND NOT INTENDED TO SHOW ROUTING OF CABLES AND CONDUITS WHICH SHALL BE DETERMINED IN THE FIELD, UNO. DEVICES ARE NOT SHOWN TO SCALE, AND THEREFORE CANNOT ALWAYS BE SHOWN IN THEIR EXACT LOCATION.
- THE ELECTRICAL DRAWINGS ARE NOT INTENDED TO SERVE AS STAND ALONE DOCUMENTS TO COMMUNICATE THE ENTIRE SCOPE OF ELECTRICAL WORK. THE CONTRACTOR SHALL OBTAIN A COMPLETE SET OF CONSTRUCTION DOCUMENTS INCLUDING ALL DRAWINGS, SPECIFICATIONS, AND MANUALS.
- WORK INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT TO REMOVE AND INSTALL ELECTRICAL ITEMS NECESSARY TO PROVIDE COMPLETE WORKING SYSTEMS.
- THE FACILITY SHALL REMAIN IN OPERATION DURING ALL PHASES OF WORK, WHERE SYSTEM SHUTDOWNS AND POWER OUTAGES ARE UNAVOIDABLE, SUCH WORK SHALL BE SCHEDULED WITH THE FACILITY MANAGER AND SHALL OCCUR AT SUCH TIMES AS TO CAUSE THE LEAST DISRUPTION OF NORMAL FACILITY FUNCTIONS. INCLUDE ALL PREMIUM LABOR IN BID PROPOSAL TO COVER WORK REQUIRED TO BE PERFORMED BEFORE OR AFTER "NORMAL" WORKING HOURS.
- EXISTING DEVICES SHOWN WERE TAKEN FROM LIMITED SITE SURVEYS, AND MAY NOT BE COMPLETELY ACCURATE. THE CONTRACTOR SHALL VISIT JOB SITE AND VERIFY CONDITIONS PRIOR TO BIDDING. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- BRANCH CIRCUITRY MAY NOT BE SHOWN FOR EXISTING DEVICES. THE ELECTRICAL TRADE SHALL RELOCATE EXISTING BRANCH CIRCUITRY AND MAKE ALL NECESSARY RECONNECTIONS AS REQUIRED TO FACILITATE REMODEL. VERIFY ALL WORK REQUIRED ON SITE AND NOTE ON RECORD DRAWINGS.
- ALL ELECTRICAL WORK SHALL CONFORM WITH THE 2022 EDITION OF THE CALIFORNIA ELECTRICAL CODE AS WELL AS ALL LOCAL CODES & REQUIREMENTS.
- ALL EQUIPMENT INSTALLED OR CONNECTED BY ELECTRICAL TRADE SHALL BE LABELED OR CERTIFIED FOR ITS USE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
- REFER TO THOSE DRAWINGS SHOWING OTHER WORK, AND COORDINATE PLACEMENT OF WORK WITH THAT OF OTHER TRADES. REPORT ANY CONFLICT TO ARCHITECT PRIOR TO INSTALLING WORK, ADJUST WORK AS DIRECTED BY ARCHITECT.
- REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR POWER AND CONTROL REQUIREMENTS AND WIRING DIAGRAMS.
- UNLESS WRAPPED WITH PUTTY PADS LISTED FOR THIS PURPOSE, BOXES PENETRATING RATED WALLS OR PARTITIONS SHALL BE 4" SQUARE MAXIMUM, AND SHALL BE SPACED 24" APART MINIMUM. PROVIDE STAINLESS STEEL TRIM PLATES.
- WHERE ELECTRICAL CONDUIT ENTERS A WALL, CEILING OR FLOOR, THE OPENING AROUND THE CONDUIT SHALL BE TIGHTLY SEALED.
- CORE DRILL EXISTING WALLS AND FLOORS AS REQUIRED TO FACILITATE CONDUIT INSTALLATION. SEAL ALL PENETRATIONS WATER AND SMOKE TIGHT AND IN CONFORMANCE WITH CBC SECTION 109 AND C.E.C. 300-21. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE FIRE MARSHAL. NO REBAR SHALL BE CUT DURING CORE DRILL OPERATION.
- ALL EFFORTS SHALL BE MADE TO ENCLOSE ALL CONDUIT WITHIN THE WALLS IN FINISHED SPACES, WHERE THIS IS NOT POSSIBLE, MULTIPLE RUNS OF CONDUIT SHALL BE FURRED IN, ENCASED IN AN APPROVED RACEWAY OR OTHER APPROVED, SEALED ENCLOSURE.
- FLEXIBLE METALLIC CONDUIT MAY BE USED FOR BRANCH CIRCUITS WHERE METALLIC CONDUIT IS SHOWN. METAL CLAD CABLE MAY BE USED FOR BRANCH CIRCUITS WHERE CONCEALED WITHIN WALLS.
- ALL WIRING WITHIN RATED WALLS SHALL BE INSTALLED IN EMT OR RSC.
- PROVIDE A GROUNDING CONDUCTOR IN ALL FLEXIBLE CONDUITS.
- THE COMPLETE SYSTEM SHALL BE GROUNDED PER CEC ART. 250.
- GENERAL PURPOSE 120V LIGHTING AND RECEPTACLE CIRCUITS OVER 60' LONG SHALL BE #10 CU, UNO. GENERAL PURPOSE 277V LIGHTING CIRCUITS OVER 105' LONG SHALL BE #10 CU, UNO.
- EVERY CIRCUIT SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE PER 2022 CEC Art.

- 408.4(A).
- PROVIDE TYPEWRITTEN SCHEDULES INDICATING LOAD DESCRIPTION FOR ALL CIRCUITS IN PANELS.
 - CLEAN OUT AND REMOVE FROM SITE ALL SURPLUS MATERIALS AND DEBRIS RESULTING FROM THIS WORK.
 - COORDINATE ALL TRIM COLOR AND STYLE W/ ARCHITECT PRIOR TO ORDERING.

SINGLE LINE DIAGRAM NOTES

- ALL CONDUCTORS ARE COPPER, UNO.
- PANELBOARDS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.
- ALL PANELBOARDS SUPPLIED BY FEEDERS SHALL BE MARKED TO INDICATE EACH DEVICE OR EQUIPMENT WHERE THE POWER ORIGINATES.
- PANELS SHALL NOT CONTAIN ANY SPACES UNPREPARED FOR CIRCUIT BREAKER INSTALLATION EXCEPT WHERE NECESSARY. PROVIDE ALL REQUIRED HARDWARE FOR FUTURE CIRCUIT BREAKER INSTALLATIONS.
- THE SECONDARY SIDE OF ALL TRANSFORMERS SHALL BE GROUNDED TO THE NEAREST GROUNDING ELECTRODE, AND BONDED TO THE METAL SYSTEMS WITHIN THE AREA SERVED.

ONE LINE DIAGRAM SYMBOLS

- ▲ LANDING LUGS, COORDINATE SIZE W/ FEEDERS.
- BUS DISCONNECTING LINK
- ⊖ THERMAL MAGNETIC CIRCUIT BREAKER SIZED AS NOTED
- ⊞ TRANSFORMER, SIZE AND TYPE AS INDICATED
- ⊥ GROUNDING ELECTRODE, SIZE AND TYPE AS INDICATED

WIRE AND CONDUIT LEGEND

- METALLIC CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING. RUNS LONGER THAN 50' SHALL INCLUDE EXPANSION FITTING(S).
- CONDUIT RUN UNDER FLOOR OR UNDERGROUND. PVC RUNS LONGER THAN 20' SHALL INCLUDE EXPANSION FITTING(S).
- CIRCUIT HOME RUN
- FLEXIBLE METALLIC CONDUIT
- FACTORY WHIP
- NO CROSSBARS ON CONDUIT INDICATE 1/2" METALLIC CONDUIT WITH TWO #12 AWG THIN/THIN-2 CONDUCTORS & ONE #12 AWG THIN/THIN-2 GND. CROSSBARS INDICATE NUMBER OF #12 AWG THIN/THIN-2 CONDUCTORS IN CONDUIT IN ADDITION TO #12 AWG THIN/THIN-2 GND. CONDUCTOR SIZE OTHER THAN #12 NOTED ON DRAWING.
- CONDUCTORS AND CONDUIT TO BE REMOVED, UNO.
- CONDUIT UP.
- EXAMPLE: THREE CIRCUITS IN HOME RUN - FOUR #10 AWG THIN/THIN-2 CONDUCTORS AND ONE #10 AWG THIN/THIN-2 GROUNDING CONDUCTOR IN 3/4" METALLIC CONDUIT.

ABBREVIATIONS LIST

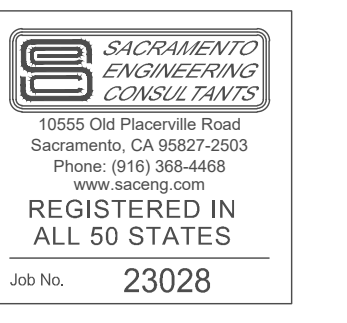
A	AMPERE	MSB	MAIN SWITCHBOARD
AC	ALTERNATING CURRENT	N.I.E.S.	NOT IN ELECTRICAL SCOPE OF WORK
AF	AMPERE FUSE	(N)	NEW
AMP	AMPERE	NEUT.	NEUTRAL
AFF.	ABOVE FINISHED FLOOR	NTS	NOT TO SCALE
AL	ALUMINUM	FRI.	PRIMARY
AS	AMPERE SWITCH	FVC	POLYVINYL CHLORIDE
B.C.	BARE COPPER		CONDUIT
BLDG.	BUILDING	(R)	EXISTING TO BE RELOCATED
C.	CONDUIT	(RR)	REMOVE AND REPLACE
C.O.	CONDUIT ONLY, WITH PULL LINE	SEC.	SECONDARY
CU	COPPER	TTB	TELEPHONE TERMINAL BOARD
(E)	EXISTING TO REMAIN	UG	UNDERGROUND
(ER)	EXISTING RELOCATED	UNO	UNLESS OTHERWISE NOTED
EMT	ELECTRICAL METALLIC TUBING	V	VOLTS
G	GROUND	W	WIRE
GND.	GROUND	WP	WEATHERPROOF WHILE IN USE
H.I.D.	HIGH INTENSITY DISCHARGE	W/	WITH
J-BOX	JUNCTION BOX	XFMR	TRANSFORMER
KVA	KILO VOLT AMP	ϕ	PHASE
MH	METAL HALIDE		

ELECTRICAL SYMBOLS

- LIGHT EMITTING DIODE LAY-IN LIGHT FIXTURE - RECESSED
- LIGHT EMITTING DIODE DOWNLIGHT FIXTURE - RECESSED
- LIGHT EMITTING DIODE LIGHT FIXTURE - SURFACE MOUNTED
- LIGHT EMITTING DIODE STRIP LIGHT - SURFACE/PENDANT MTD.
- LIGHT EMITTING DIODE WALL BRACKET LIGHT FIXTURE
- Y EMERGENCY LIGHT REMOTE HEAD
- EXIT SIGN, WALL MOUNTED ABOVE DOOR, SHADING INDICATES SIDE(S) WITH FACE(S).
- EXIT SIGN, CEILING MOUNTED, SHADING INDICATES SIDE(S) WITH FACE(S).
- EXIT SIGN DIRECTIONAL ARROW
- NOTE: LETTER INDICATES FIXTURE TYPE - SEE FIXTURE SCHEDULE. SHADING = EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY BALLAST. PROVIDE SWITCHED CONDUCTOR & HOT CONDUCTOR. NL = NIGHT LIGHT, PROVIDE UNSWITCHED HOT CONDUCTOR TO INTERIOR LIGHTS. EXTERIOR LIGHTS TO SWITCH ON/OFF BY PHOTOCELL OR ASTRONOMICAL TIME CLOCK AS NOTED IF MARKED "NL". PROVIDE UNSWITCHED HOT CONDUCTOR TO FEED EXIT AND EMERGENCY LIGHTING.
- \$ SINGLE POLE TOGGLE SWITCH, +46" UNO
- DUAL LEVEL OCCUPANCY SENSOR, +46" UNO
- SWITCH SUBSCRIPTS: a, b, c, etc. = DEVICE CONTROLLED.
- DIGITAL NETWORK OCCUPANCY SENSOR ACUITY nCM PDT 9
- DIGITAL NETWORK WALL MOUNT DIMMING OCCUPANCY SENSOR, +46" ACUITY nWSX PDT LV DX
- DIGITAL NETWORK WALL MOUNT MANUAL SWITCH, +46" ACUITY nPODM
- 0-10V DIGITAL NETWORK DIMMING SWITCH ACUITY nPODM DX NO. OF CHANNELS DESIGNATED BY NUMBER OF SWITCH LEGS SHOWN.
- DIGITAL NETWORK BRIDGE ACUITY nBRG8 KIT, INCLUDES 'PS1'
- DIGITAL NETWORK GATEWAY ACUITY nGW2 L400 KIT, INCLUDES 'PS2'
- DIGITAL NETWORK POWER SUPPLY
- FUSED DISCONNECT SWITCH WITH TIME DELAY FUSES SIZED PER UNIT NAMEPLATE OR AS NOTED. DISCONNECT SHALL ACCEPT MAXIMUM ALLOWABLE FUSE SIZE. PROVIDE CONNECTION TO EQUIPMENT BEING SERVED, AND ALL INTERCONNECTING POWER WIRING BETWEEN COMPONENTS.
- DUPLEX RECEPTACLE, NEMA 5-15R, +18" UNO
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-15R, +18" UNO
- DUPLEX RECEPTACLE, NEMA 5-20R, +18" UNO
- 208 VOLT, 1 PHASE RECEPTACLE, VERIFY NEMA CONFIGURATION & EXACT LOCATION, +18" UNO
- RECEPTACLE SUBSCRIPTS:
C = MOUNTED ABOVE COUNTER, COORDINATE W/ ARCHITECTURAL ELEVATIONS.
G = GROUND FAULT CIRCUIT INTERRUPTER
R = ROOF MOUNTED, WEATHERPROOF WHILE IN USE, GFCCI
W = WALL MOUNTED +46"
- JUNCTION BOX, SIZE, TYPE AND PLATE AS REQUIRED
- TELECOM OUTLET +18" IN 4 1/16" SQUARE X 2 1/8" DEEP BOX W/ SINGLE GANG PLASTER RING & BLANK PLATE, SUB 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE. TERMINATE W/ INSULATED BUSHING. RING & STRING MAY BE SUBSTITUTED IN NON-RATED WALLS WITH UNOBSTRUCTED PATH TO ACCESSIBLE CEILING DIRECTLY ABOVE.
- TV/MONITOR OUTLET, +46" UNO. RING AND STRING.
- EXHAUST FAN, N.I.E.S. PROVIDE CONNECTION AS REQUIRED.
- POINT OF CONNECTION TO EQUIPMENT, N.I.E.S. PROVIDE CONNECTION AS REQUIRED.
- TV/MONITOR OUTLET, +46" UNO. RING AND STRING.
- CARD READER +48" TO TOP, PROVIDE WEATHERPROOF BOX & 3/4" C.O. TO ACCESSIBLE CEILING SPACE.
- SWITCHBOARD, SEE ONE LINE DIAGRAM
- BRANCH CIRCUIT PANEL, SEE PANEL SCHEDULES
- SIGNAL OR CONTROL PANEL, TYPE AS INDICATED
- IDENTIFICATION TAG FOR EQUIPMENT PROVIDED BY OTHERS. CONNECT EQUIPMENT AS INDICATED OR AS REQUIRED.
- NUMBERED NOTE TAG - SEE NUMBERED NOTES, SAME SHEET
- INDICATES DETAIL "A" AT SHEET "E1"



Date Signed: 10/3/2025



Job No. 23028

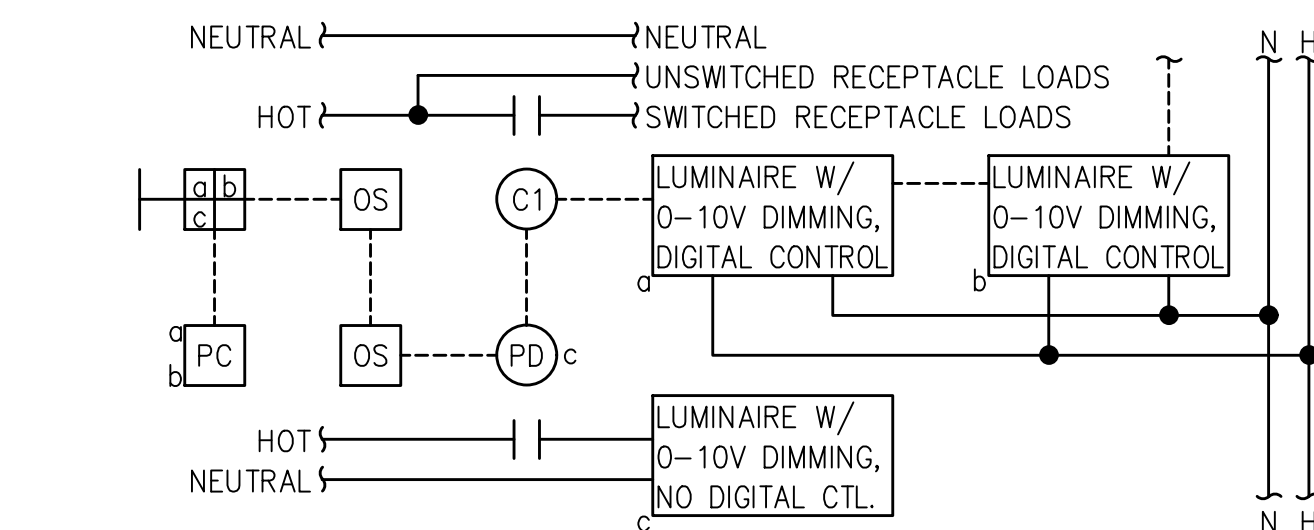
JOB TITLE:

CONSTRUCTION DOCUMENTS FOR:
**YOLO COUNTY -
ROADS BUILDING RENOVATIONS**
284 W. BEAMER STREET
WOODLAND, CA
CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
ADDRESS: 120 W. MAIN STREET, SUITE D, WOODLAND CA

REVISIONS:	
DATE:	DESCRIPTION:
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DATE: 00/00/25
DRAWN: MUJS
JOB NO.: 23028
SHEET

E0.1
OF SHEETS



----- CATEGORY 5E PLENUM CABLE. INSTALL IN 1/2" MIN. EMT WHERE NOT CONCEALED BY BUILDING FINISHES.

— LINE VOLTAGE WIRING PER PLAN

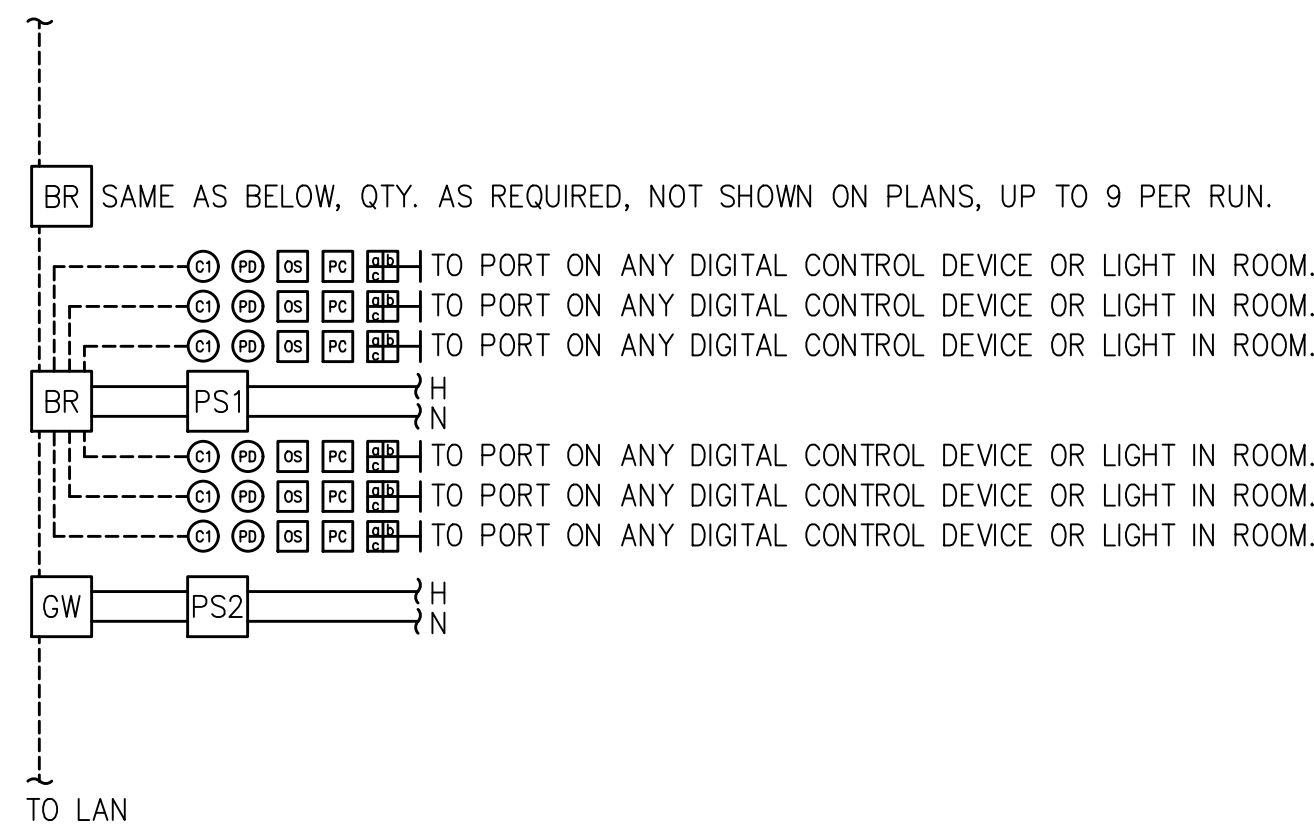
PROVIDE ALL BACKBOXES AND MOUNTING HARDWARE AS REQUIRED.

NOT ALL CONTROLS ARE USED IN EACH CASE. QUANTITIES OF CIRCUITS, CONTROLS, AND LUMINAIRES VARY. SEE PLANS.

TYP. ROOM LIGHTING CONTROL

NO SCALE

A
E0.2



----- CATEGORY 5E PLENUM CABLE

— LINE VOLTAGE WIRING IN CONDUIT.

BRIDGES MAY NOT BE SHOWN ON PLAN. LOCATION TO BE DETERMINED IN THE FIELD.
SUBMIT SHOP DRAWINGS FOR COMPLETE LIGHTING CONTROL SYSTEM.
INCLUDE PROGRAMMING AND STARTUP BY FACTORY REPRESENTATIVE.

LIGHTING CONTROL SYSTEM

NO SCALE

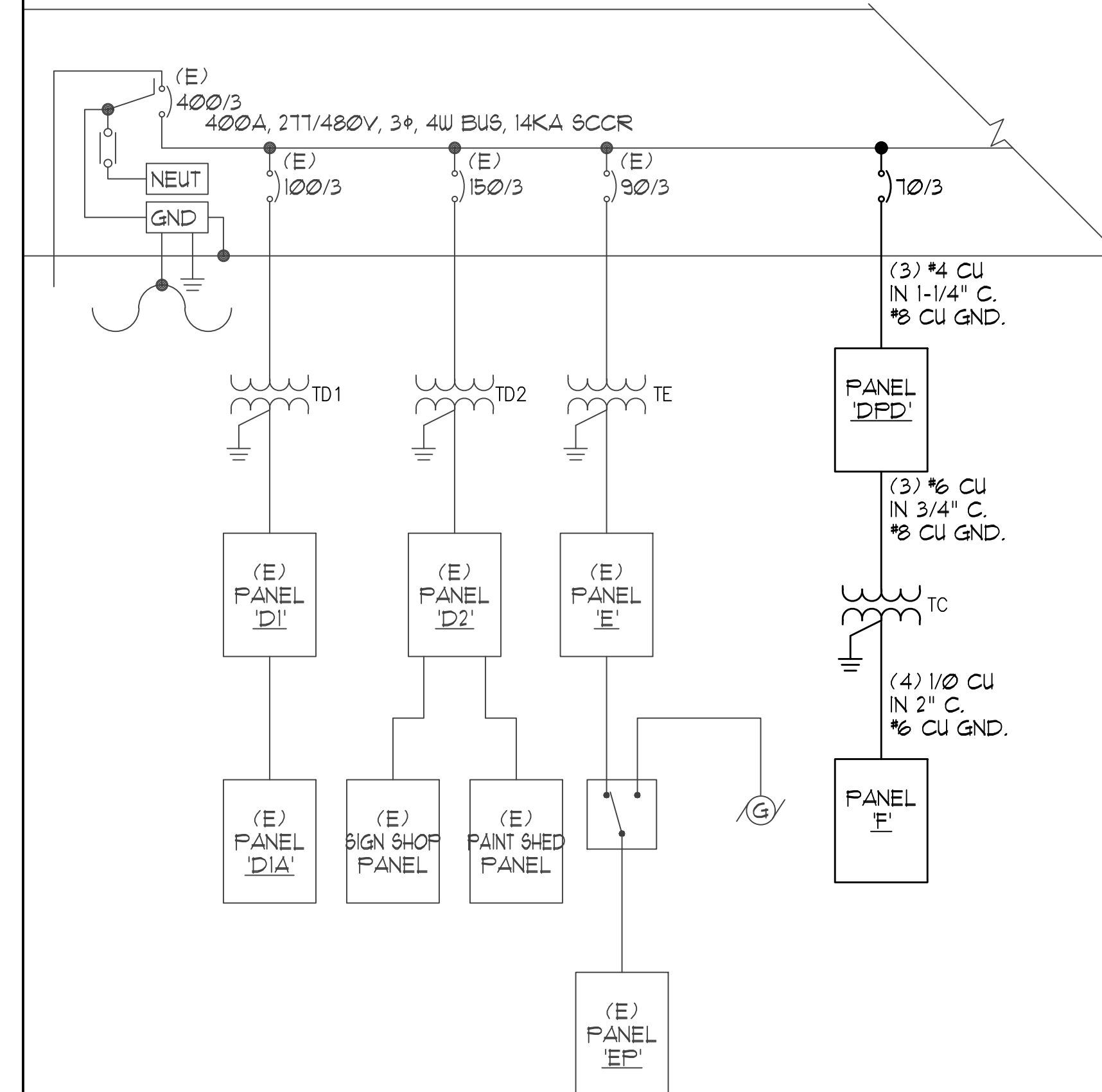
B
E0.2

PANEL 'DPD'											
277/480V, 3Ph, 4W, SURFACE MOUNTED											
125 AMP BUS						14K ISC					
DESCRIPTION	KVA	BKR	CKT	Ph. A	Ph. B	Ph. C	CKT	BKR	KVA	DESCRIPTION	
LIGHTING	1.3	20/1	1	1.3			2				
			3				4				
			5				6				
			7				8				
			9				10				
			11				12				
			13	10.6			14		10.6		
			15		11.0		16	60/3	11.0	PANEL 'F' VIA 'TC'	
			17				18		10.8		
SUBTOTAL:			11.9	11.0	10.8						
CONNECTED LOAD	33.7 KVA										
25% LIGHTING LOAD	0.3 KVA	FEEDER:									
25% LARGEST MOTOR	KVA	FEEDER:	#4 Cu								
1st 10.0 KVA RECEPTACLE LOAD @ 100%		PROTECTION:	70A								
PLUS REMAINDER @ 50%	KVA	AVAILABLE FAULT <14 KA									
TOTAL LOAD	34.1 KVA / 0.831 FACTOR =		41 AMPS								

(E) DRY TYPE DISTRIBUTION TRANSFORMER SCHEDULE

ID	KVA	PRI V	SEC V	TYPE	RISE	WINDING	H	W	D	LBS	GEC	% IMP	FCAN	FCBN
TD1	75	3φ 480/3	120/208	K-7	130'	AL				635	#2	5.6	2-2.5%	4-2.5%
TD2	100	3φ 480/3	120/240	K-7	115'	AL				825	#2	5.17	2-2.5%	4-2.5%
TE	75	3φ 480/3	120/208		100'	AL	37"	30"	20"	504	#2	5.5	2-2.5%	4-2.5%
TC	45	3φ 480/3	120/208		150'	AL	30"	26"	26"	369	#6	4.1	2-2.5%	4-2.5%

(E) DIST. PANEL - "DPC"



ONE LINE DIAGRAM

NO SCALE

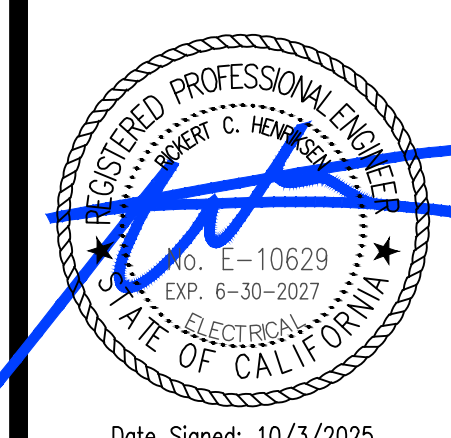
C
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PANEL 'F'											
120/208V, 3 Ph, 4W, SURFACE MOUNTED											
225 AMP BUS						10,000 ISC					
DESCRIPTION	KVA	BKR	CKT	Ph. A	Ph. B	Ph. C	CKT	BKR	KVA	DESCRIPTION	
STOVE	3.0	35/3	3	3.4			2	20/1	0.9	RECEPTACLES	
	3.0		5				6	20/1	0.9	RECEPTACLES	
	2.5		7	2.9			8	20/1	0.4	RECEPTACLES	
H/HP-2	2.5	40/3	9	2.9			10	20/1	0.4	RECEPTACLES	
	2.5		11				12	20/1	0.4	RECEPTACLES	
	3.0		13	3.8			14	20/1	0.8	GARBAGE DISPOSAL	
H/HP-3	3.0	45/3	15	4.8			16	20/1	1.8	REFRIGERATOR	
	3.0		17				18	20/1	1.1	DISHWASHER	
			19				20				
			21				22				
			23				24				
			25				26				
			27				28				
			29				30				
			31				32				
			33				34				
			35				36				
			37				38				
			39				40				
			41				42				
SUBTOTAL:			10.6	11.0	10.8						
CONNECTED LOAD	32.4 KVA										
25% LIGHTING LOAD	KVA										
25% LARGEST MOTOR	KVA										
1st 10.0 KVA RECEPTACLE LOAD @ 100%											
PLUS REMAINDER @ 50%	KVA	AFC=	<10 KA								
TOTAL LOAD	32.4 KVA / 0.380 FACTOR =		90 AMPS								

PROVIDE THE BARS FOR ALL MULTI-WIRE BRANCH CIRCUITS.
H HACR RATED (HEATING, AIR CONDITIONING AND REFRIGERATION)

LIGHTING FIXTURE SCHEDULE							
TYPE	MANUFACTURER	FIXT. VOLT.	LAMPS		INPUT V.A.	MOUNTING	REMARKS
			NO.	TYPE			
A43	LITHONIA 2TL4 30L FW A19 EZI LP840 N80	MULTI	FURNISHED W/ FIXTURE		25	RECESSED LAY-IN CEILING	
A43E	LITHONIA 2TL4 30L FW A19 EZI LP840 N80 E10WLCP	MULTI	FURNISHED W/ FIXTURE		25	RECESSED LAY-IN CEILING	1.
A44	LITHONIA 2TL4 40L FW A19 EZI LP840 N80	MULTI	FURNISHED W/ FIXTURE		32	RECESSED LAY-IN CEILING	
A45	LITHONIA 2TL4 48L FW A19 EZI LP840 N80 E10WLCP	MULTI	FURNISHED W/ FIXTURE		40	RECESSED LAY-IN CEILING	
A45E	LITHONIA 2TL4 48L FW A19 EZI LP840 N80 E10WLCP	MULTI	FURNISHED W/ FIXTURE		40	RECESSED LAY-IN CEILING	1.
B43	LITHONIA BLUF4 30LHE ADPT EZI LP840 N80 FAF	MULTI	FURNISHED W/ FIXTURE		25	SURFACE WALL ABOVE MIRROR	
B43E	LITHONIA BLUF4 30LHE ADPT EZI LP840 N80 E10WLCP FAF	MULTI	FURNISHED W/ FIXTURE		25	SURFACE WALL ABOVE MIRROR	1.
B46	LITHONIA BLUF4 60LHE ADPT EZI LP840 N80 FAF	MULTI	FURNISHED W/ FIXTURE		49	SURFACE CEILING	
D15	LITHONIA LDN6 40/15 L06AR L95 MVOLT GZ10	MULTI	FURNISHED W/ FIXTURE		11.5	RECESSED	
X	LITHONIA LHQM LED R HO RO SD	MULTI	FURNISHED W/ FIXTURE		4.3	UNIVERSAL MOUNT	1.
X3	LITHONIA LQM S W 3 R MVOLT EL N SD	MULTI	FURNISHED W/ FIXTURE		1	UNIVERSAL MOUNT	1.
XR	LITHONIA ELA T QWP L0309 SD	9.6	FURNISHED W/ FIXTURE		3	SURFACE WALL ABOVE DOOR	2.
Z2	LITHONIA ZLN L24 I500LM L/LENS MVOLT 40K 80CRI WH W3Z24	MULTI	FURNISHED W/ FIXTURE		15	SURFACE CEILING MOUNT	
Z3	LITHONIA ZLN L48 3000LM L/LENS MVOLT 40K 80CRI WH W3Z48	MULTI	FURNISHED W/ FIXTURE		25	SURFACE CEILING MOUNT	

- NOTES
- UNIT BATTERIES SHALL PROVIDE A SECONDARY SOURCE OF POWER FOR 90 MINUTES MINIMUM.
 - REMOTE HEAD, PROVIDE CONNECTION TO EXIT OR EMERGENCY/ EXIT SIGN "X" OR "XE".



Date Signed: 10/3/2025



JOB TITLE:

CONSTRUCTION DOCUMENTS FOR:
**YOLO COUNTY -
ROADS BUILDING RENOVATIONS**
284 W. BEAMER STREET
WOODLAND, CA
CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
ADDRESS: 120 W. MAIN STREET., SUITE D, WOODLAND CA

REVISIONS:

NO.	DATE	DESCRIPTION
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DATE: 00/00/25
DRAWN: MUJS
JOB NO.: 23028

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OF SHEETS

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Project Name: Yolo County Roads Building
Report Page: (Page 1 of 8)
Date Prepared: 2025-09-17 16:46:21-04:00

A. GENERAL INFORMATION
01 Project Location (city): Woodland
02 Climate Zone: 12
03 Occupancy Types Within Project (select all that apply):
• Office

B. PROJECT SCOPE
This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
My Project Consists of (check all that apply):				
☑ New Lighting System	Area Category Method	3344.8	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)		3344.8		0

Generated Date/Time: 2025-09-17 16:46:25
Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Schema Version: rev 20220101
Compliance ID: 330097-0925-0002
Report Generated: 2025-09-17 16:46:25

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Project Name: Yolo County Roads Building
Report Page: (Page 4 of 8)
Date Prepared: 2025-09-17 16:46:21-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)
This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls	01	02	03
Mandatory Demand Response 110.12(c)		Shut-off controls 130.1(c) / 160.5(b)4C	Field Inspector
NA < 4,000W subject to multilevel		See Area/Space Level Controls	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

Area Level Controls	04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) / 160.5(b)4C	Primary/Sky Light Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 140.6(a)1 / 170.2(e)2A	Interlocked Systems 140.6(a)1 / 170.2(e)2A	Field Inspector		
Offices	Office (<=250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	NA: General Ltg < 120W	NA: General Ltg < 120W	No			
All-Gender RR	Restroom	Readily Accessible	Dimmer	Auto. Time Switch	NA: Not daylight zone	NA: Not daylight zone	No			
Open Office	Office (>250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No			
Training Rm	Classroom, Lecture, or Training Vocational	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No			
Janitor/Storage	Commercial Industrial Storage Shipping	Readily Accessible	NA: General Ltg < 0.5W/SF	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No			
Break Area	Lounge	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No			
Men's Locker	Locker/Dressing Room	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No			
Changing Rm	Locker/Dressing Room	Readily Accessible	NA: Enclosed area < 100SF	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No			

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Schema Version: rev 20220101
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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
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S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This section does not apply to this project.

T. DWELLING UNIT LIGHTING
This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online.

Form/Title: _____
Pass Fail

NRCLTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

Form/Title: _____
Systems/Spaces To Be Field Verified: _____

NRCLTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.

Offices; All-Gender RR; Open Office; Training Rm; Janitor/Storage; Break Area; Men's Locker; Changing Rm; Hall

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C. COMPLIANCE RESULTS
If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b) / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)					Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)			Compliance Results
	01	02	03	04	05	06	07	08	
Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)25 / 170.2(e)44v (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	=	Total Allowed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	=	Total Adjusted (Watts) Includes Adjustments	05 must be >= 08 140.6 / 170.2(e)
Conditioned	1,933.44				= 1,933.44	= 1,399.5	=	1,399.5	COMPLIES
Unconditioned					=	=	=		COMPLIES

Controls Compliance (See Table H for Details) COMPLIES
Rated Power Reduction Compliance (See Table Q for Details) COMPLIES

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

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H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Hall	Corridor	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No		
							13		
Plan Sheet Showing Daylit Zones:									

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS
Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used.

Conditioned Spaces	01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	PAF
Offices	Office (<=250 square feet)	0.65	393.2	255.58	No	No
All-Gender RR	Restroom	0.65	290.1	188.57	No	No
Open Office	Office (>250 square feet)	0.6	386.3	231.78	No	No
Training Rm	Classroom, Lecture, or Training Vocational	0.6	1,261.2	756.72	No	No
Janitor/Storage	Commercial Industrial Storage Shipping	0.6	131.1	78.66	No	No
Break Area	Lounge	0.55	320	176	No	No
Men's Locker	Locker/Dressing Room	0.45	345.5	155.48	No	No
Changing Rm	Locker/Dressing Room	0.45	72.9	32.81	No	No
Hall	Corridor	0.4	144.6	57.84	No	No
TOTALS:			3,344.9	1,933.44		See Tables J, or P for detail

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM
This section does not apply to this project.

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jim Smith
Signature Date: 10/2/25
Company: Sacramento Engineering Consultants
Address: 10555 Old Placerville Road
City/State/Zip: Sacramento, CA 95827

Documentation Author Signature: *Jim Smith*
Signature Date: 10/2/25
Company: Sacramento Engineering Consultants
Address: 10555 Old Placerville Road
City/State/Zip: Sacramento, CA 95827

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I hereby declare under penalty of perjury, under the laws of the State of California, that the information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 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. 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. 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: Jim Smith
Signature Date: 10/2/25
Company: Sacramento Engineering Consultants
Address: 10555 Old Placerville Road
City/State/Zip: Sacramento, CA 95827

Responsible Designer Signature: *Jim Smith*
Signature Date: 10/2/25
Company: Sacramento Engineering Consultants
Address: 10555 Old Placerville Road
City/State/Zip: Sacramento, CA 95827

Generated Date/Time: 2025-09-17 16:46:25
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F. INDOOR LIGHTING FIXTURE SCHEDULE
This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces	01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change 1	Watts per luminaire ²	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
A43	3000 lumen LED 2x4 troffer	No	NA	25	Mfr. Spec.	17	No	425		
A44	4000 lumen LED 2x4 troffer	No	NA	32	Mfr. Spec.	4	No	128		
A45	4800 lumen LED 2x4 troffer	No	NA	40	Mfr. Spec.	2	No	80		
B43	3000 lumen LED 4' wraparound	No	NA	25	Mfr. Spec.	3	No	75		
B46	6000 lumen LED 4' wraparound	No	NA	49	Mfr. Spec.	11	No	539		
D15	1500 lumen LED downlight	No	NA	17.5	Mfr. Spec.	5	No	87.5		
Z2	1500 lumen LED strip	No	NA	15	Mfr. Spec.	1	No	15		
Z3	3000 lumen LED strip	No	NA	25	Mfr. Spec.	2	No	50		
Total Designed Watts: CONDITIONED SPACES	1,399.5									

¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75%/80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.
²Authority Having Jurisdiction may ask for luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS
This section does not apply to this project.

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K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS
This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS
This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS
This section does not apply to this project.

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CONSTRUCTION DOCUMENTS FOR:
YOLO COUNTY - ROADS BUILDING RENOVATIONS
284 W. BEAMER STREET
WOODLAND, CA

CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
ADDRESS: 120 W. MAIN STREET, SUITE D, WOODLAND CA

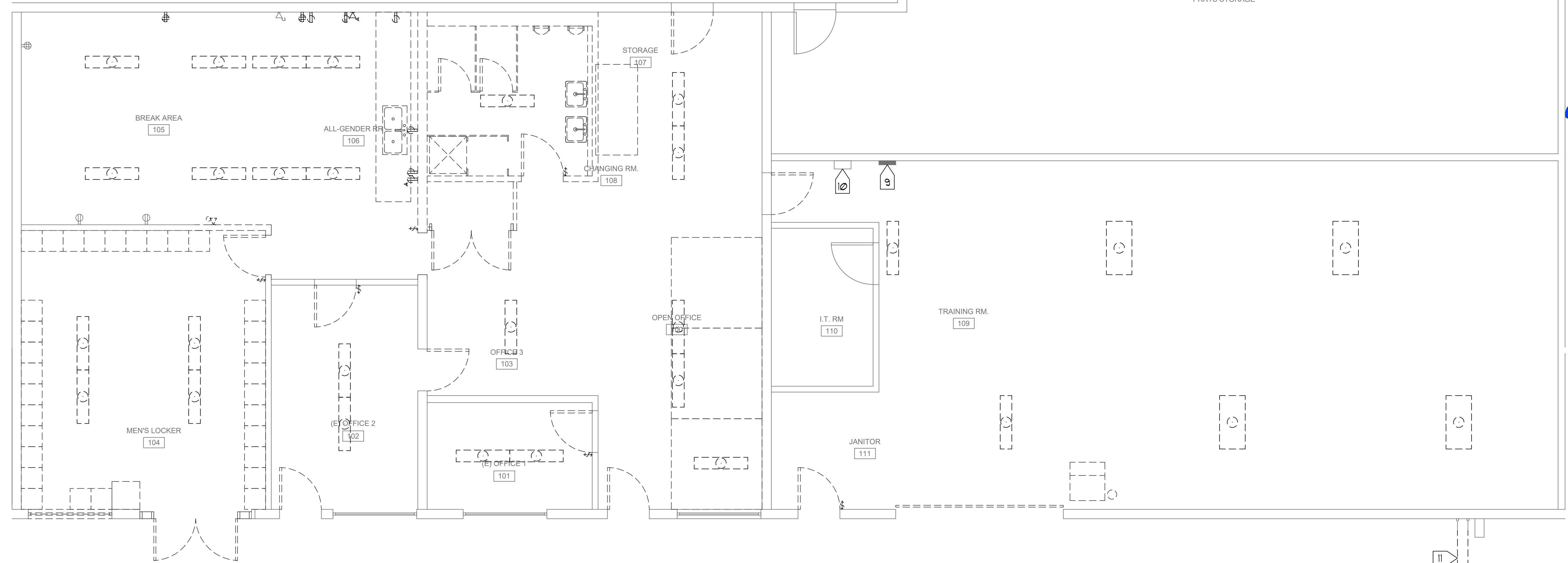
REVISIONS:

DATE	DESCRIPTION
00/00/25	
MUJS	
23028	

DATE 00/00/25
DRAWN MUJS
JOB NO. 23028
SHEET E0.3 OF SHEETS

Professional Engineer Seal: JIM SMITH, No. 10629, Exp. 6-30-2027, Electrical, State of California. Date Signed: 10/3/2025.

Professional Engineer Seal: SACRAMENTO ENGINEERING CONSULTANTS, 10555 Old Placerville Road, Sacramento, CA 95827, Phone: (916) 368-4468, www.secon.com, REGISTERED IN ALL 50 STATES, Job No. 23028.



ELECTRICAL DEMOLITION PLAN

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

DEMOLITION NOTES

- COORDINATE DEMOLITION WORK WITH ARCHITECTURAL DRAWINGS.
- DRAWINGS AND NOTES ARE FOR REFERENCE ONLY, AND DO NOT NECESSARILY DESCRIBE THE FULL EXTENT OF ALL DEMOLITION REQUIRED. THE CONTRACTOR SHALL COORDINATE THEIR WORK BETWEEN THE NEW FLOOR PLANS AND DEMOLITION PLANS FOR COMPLETE REMOVAL OR RELOCATION OF ALL EXISTING WORK THAT IS NECESSARY TO ALLOW THE PLACEMENT OF NEW WORK.
- MAINTAIN POWER TO EXISTING FIXTURES AND DEVICES NOT REMOVED BY DEMOLITION WORK.
- REMOVE ALL ABANDONED CONDUIT & WIRING.
- REMOVE EQUIPMENT AT WALLS AND CEILING'S BEING REMOVED. REMOVE RACEWAYS BACK TO LAST ACTIVE REMAINING OUTLET OR AS NOTED. DISCONNECT MISCELLANEOUS EQUIPMENT BEING REMOVED.
- WHEREVER ELECTRICAL DEVICES, CONDUITS, CABLES, ETC. CONFLICT WITH NEW CONSTRUCTION, WHETHER SHOWN OR NOT, THE CONTRACTOR MUST RELOCATE THESE ITEMS AND KEEP IN OPERATING CONDITION.
- CHECK BALLASTS FOR PCBs BEFORE DISPOSING. PROPERLY DISPOSE OF LAMPS AND BALLASTS. PAY ALL ASSOCIATED FEES.
- TYPICAL UNLESS OTHERWISE NOTED, ITEMS SHOWN SOLID ARE (E) TO REMAIN. MAINTAIN CIRCUIT CONTINUITY.
- TYPICAL UNLESS OTHERWISE NOTED (E) ITEMS SHOWN DASHED SHALL BE REMOVED, INCLUDING OUTLET BOX, CONDUIT AND WIRE.

NUMBERED NOTES

- 1 DISTRIBUTION PANEL 'DPC' TO REMAIN
- 2 XFMR 'TD1' ABOVE TO REMAIN
- 3 PANEL 'D1' TO REMAIN
- 4 PANEL 'D1A' TO REMAIN
- 5 XFMR 'TD2' ABOVE TO REMAIN
- 6 PANEL 'D2' TO REMAIN
- 7 XFMR 'TE' ABOVE TO REMAIN
- 8 PANEL 'E' TO REMAIN
- 9 PANEL 'EP' TO REMAIN
- 10 AUTOMATIC TRANSFER SWITCH 'ATS' TO REMAIN
- 11 DEMOLISH A PORTION OF TWO CONDUITS TO ALLOW DOOR TO BE CUT IN.



Date Signed: 10/3/2025



JOB TITLE:

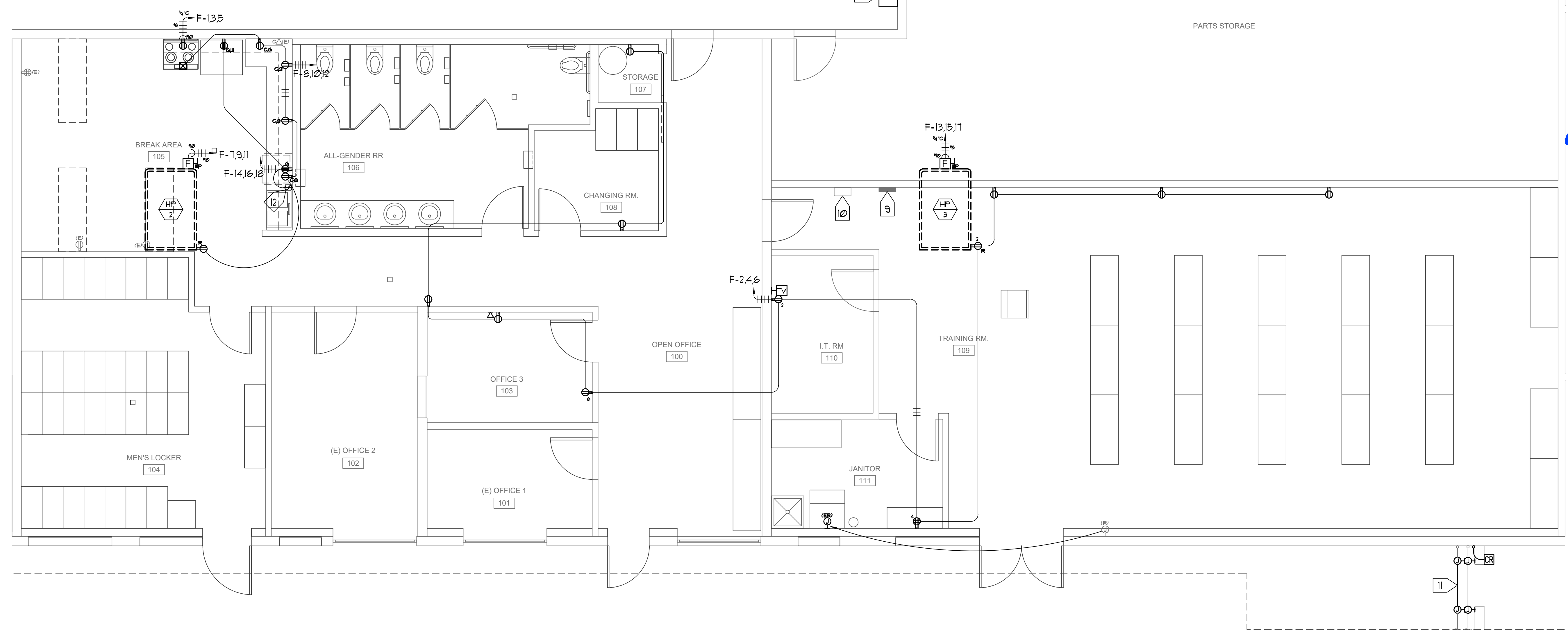
CONSTRUCTION DOCUMENTS FOR:
YOLO COUNTY -
ROADS BUILDING RENOVATIONS
 284 W. BEAMER STREET
 WOODLAND, CA
 CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
 ADDRESS: 120 W. MAIN STREET., SUITE D, WOODLAND CA

REVISIONS:

NO.	DATE	DESCRIPTION
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DATE 00/00/25
 DRAWN MU/JS
 JOB NO. 23028

SHEET
 OF SHEETS
E3.0



POWER & SIGNAL PLAN

SCALE: 1/4"=1'0"

POWER & SIGNAL NOTES

1. WHEREVER ELECTRICAL DEVICES, CONDUITS, CABLES, ETC. CONFLICT WITH NEW CONSTRUCTION, WHETHER SHOWN OR NOT, THE CONTRACTOR MUST RELOCATE AND KEEP IN OPERATING CONDITION.
2. SEAL OPENINGS AND PATCH SURFACES DAMAGED AS A RESULT OF DEMOLITION, RESTORING TO MATCH SURROUNDING SURFACES.
3. VERIFY ALL OUTLET LOCATIONS PRIOR TO ROUGH-IN.
4. PROVIDE RECEPTACLE MATCHING THE NEMA CONFIGURATION OF THE FACTORY INSTALLED CORD AND PLUG FOR ALL EQUIPMENT SUPPLIED.
5. PROVIDE SO CORD AND PLUG TO MATCH NEMA CONFIGURATION OF RECEPTACLE FOR ALL PORTABLE EQUIPMENT SUPPLIED WITHOUT A FACTORY INSTALLED CORD AND PLUG.
6. PROVIDE A HARDWIRED CONNECTION TO ALL NON-PORTABLE EQUIPMENT SUPPLIED WITHOUT A FACTORY INSTALLED CORD AND PLUG.
7. RUN CONDUITS BELOW ROOF AS FAR AS POSSIBLE BEFORE RISING UP THROUGH ROOF. PENETRATE ROOF INSIDE THE EQUIPMENT CURB WHERE PERMITTED.
8. ALL WIRING RUN TERMINATING ON OR RUN ON THE ROOF SHALL BE TYPE XHHW-2.
9. SAFETY SWITCHES SHALL BE SIZED TO ACCEPT THE LARGEST FUSE ALLOWED TO PROTECT THE EQUIPMENT SERVED AND SHALL BE HEAVY DUTY WITH CLASS 'R' REJECTION FUSE CLIPS.
10. PROVIDE H.A.C.R. RATED CIRCUIT BREAKERS FOR ALL HEATING, AIR CONDITIONING, AND REFRIGERATION EQUIPMENT.

11. NEW PANELS SHALL HAVE A DEDICATED SPACE FROM THE FLOOR TO A HEIGHT OF 6" ABOVE THE PANEL. THERE SHALL BE NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL APPURTENANCES IN THE DEDICATED SPACE FOR ANY NEW PANELS INSTALLED.
12. RELOCATE EXISTING LOAD AND CIRCUIT WHERE LABELED AS "(ER)". PROVIDE NEW DEVICE AND PLATE.
13. REPLACE (E) RECEPTACLES IN BREAK ROOM W/ GFCI TYPE RECEPTACLES.

NUMBERED NOTES

- | | |
|--------------------------------|---|
| 1 (E) DISTRIBUTION PANEL 'DPC' | 10 (E) AUTOMATIC TRANSFER SWITCH 'ATS' |
| 2 (E) XFMR 'TD1' ABOVE | 11 REROUTE TWO CONDUITS OVER THE TOP OF THE NEW DOOR. PULL IN NEW CONDUCTORS AS REQUIRED. |
| 3 (E) PANEL 'D1' | 12 PROVIDE CONNECTION TO GARBAGE DISPOSAL. |
| 4 (E) PANEL 'D1A' | 13 PANEL 'DPD' |
| 5 (E) XFMR 'TD2' ABOVE | 14 XFMR 'TC' ABOVE. MATCH HEIGHT OF (E) XFMR'S. |
| 6 (E) PANEL 'D2' | 15 PANEL 'F' |
| 7 (E) XFMR 'TE' ABOVE | 16 LIGHTING CONTROL GATEWAY |
| 8 (E) PANEL 'E' | |
| 9 (E) PANEL 'EP' | |



Date Signed: 10/3/2025



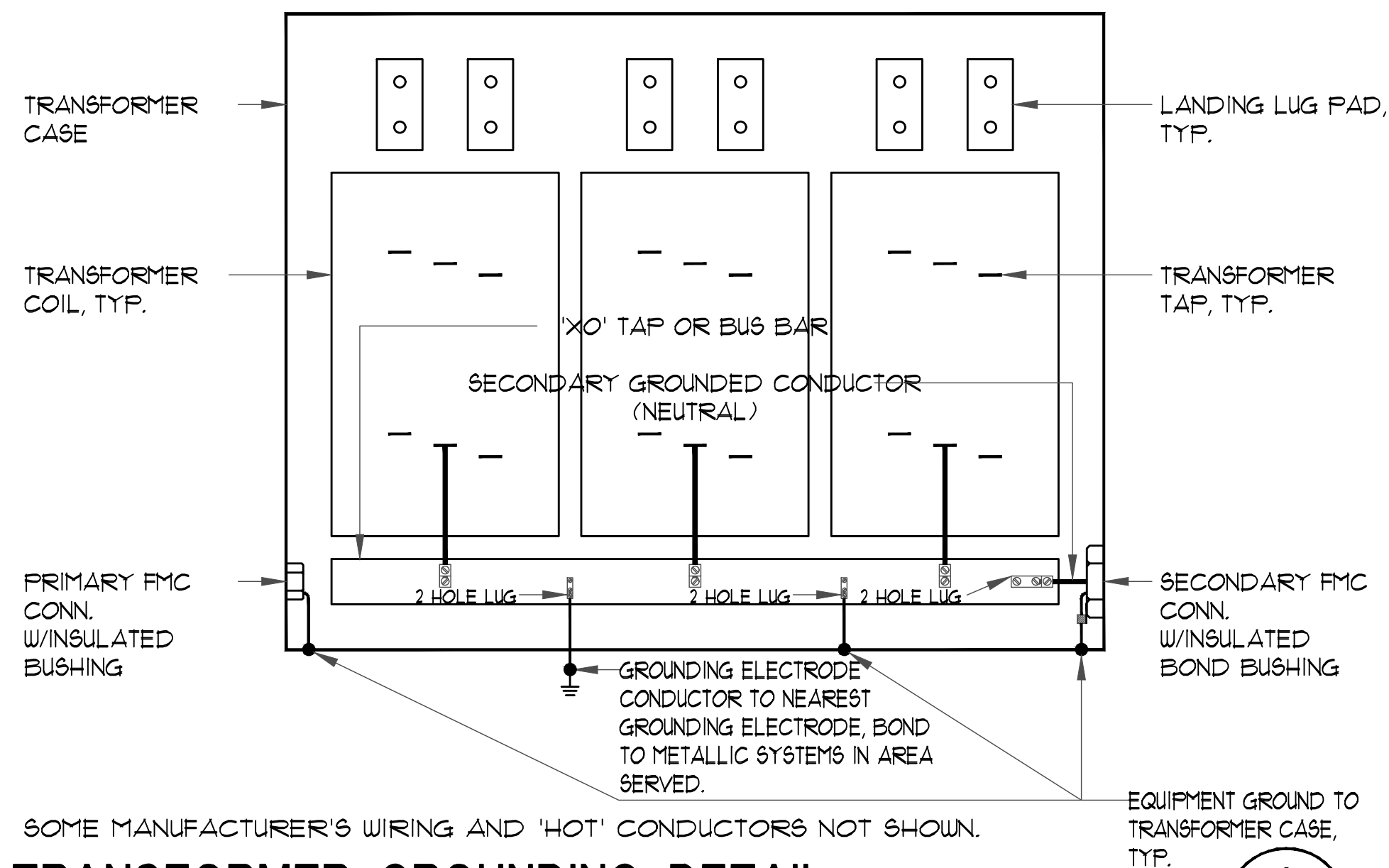
JOB TITLE:

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YOLO COUNTY -
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 284 W. BEAMER STREET
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 ADDRESS: 120 W. MAIN STREET., SUITE D, WOODLAND CA

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
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6		

DATE: 00/00/25
 DRAWN: MU/JS
 JOB NO.: 23028
 SHEET: E3.2 OF SHEETS

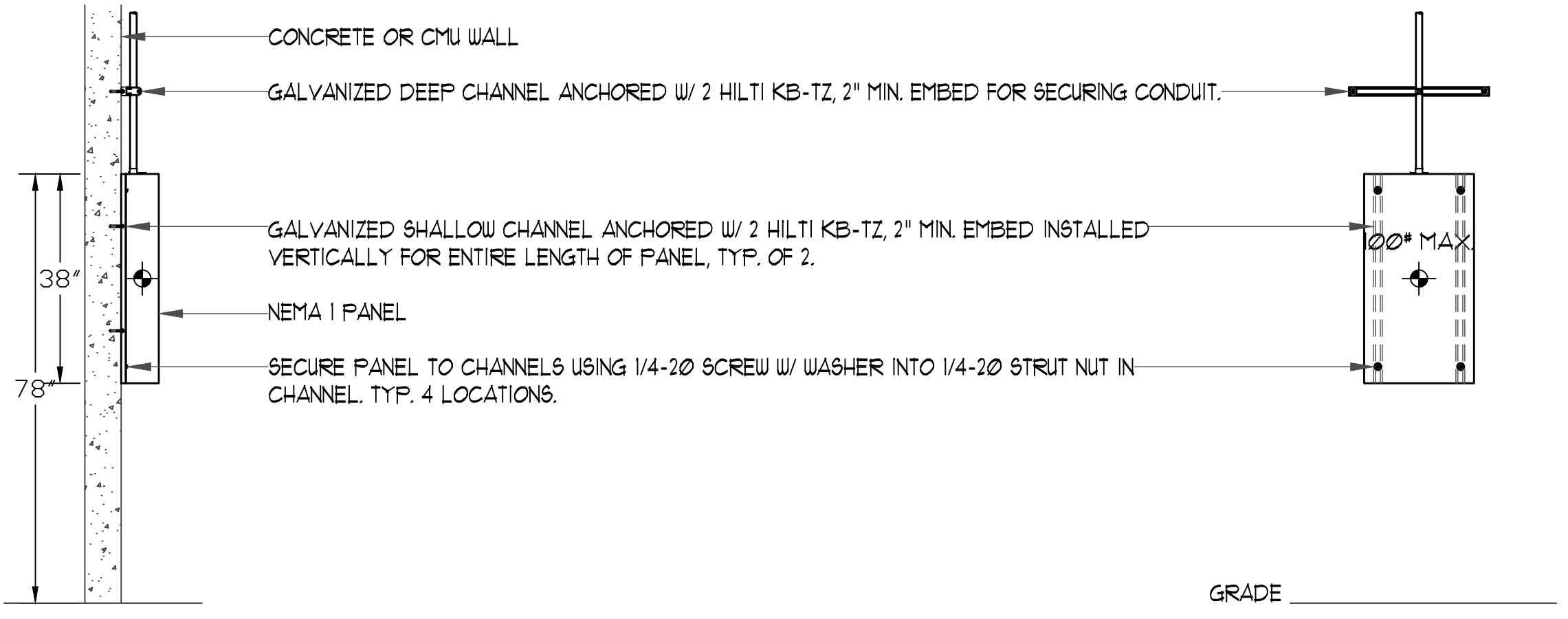


SOME MANUFACTURER'S WIRING AND 'HOT' CONDUCTORS NOT SHOWN.

TRANSFORMER GROUNDING DETAIL

NO SCALE

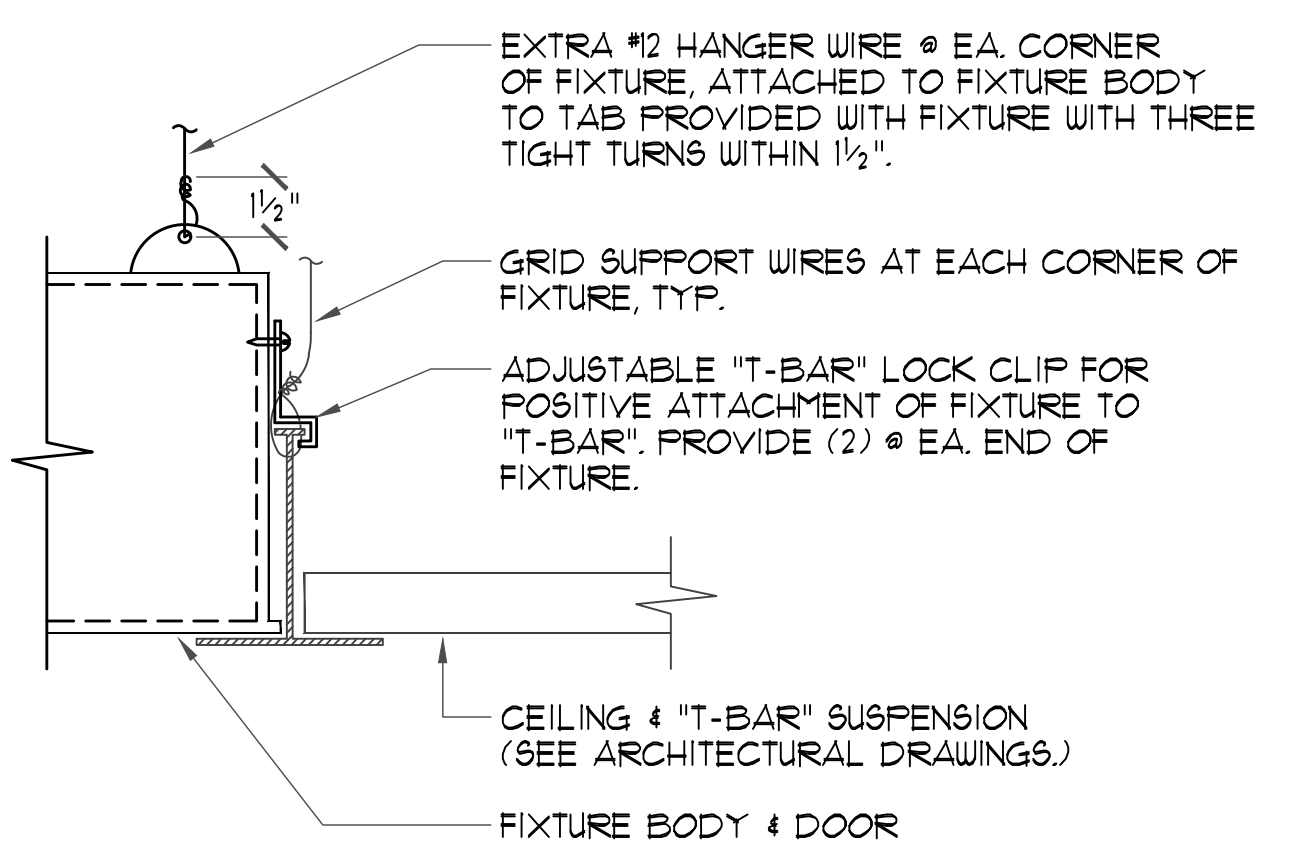
A
E5.1



SURFACE MOUNT EXTERIOR PANEL INSTALLATION DETAIL

NO SCALE

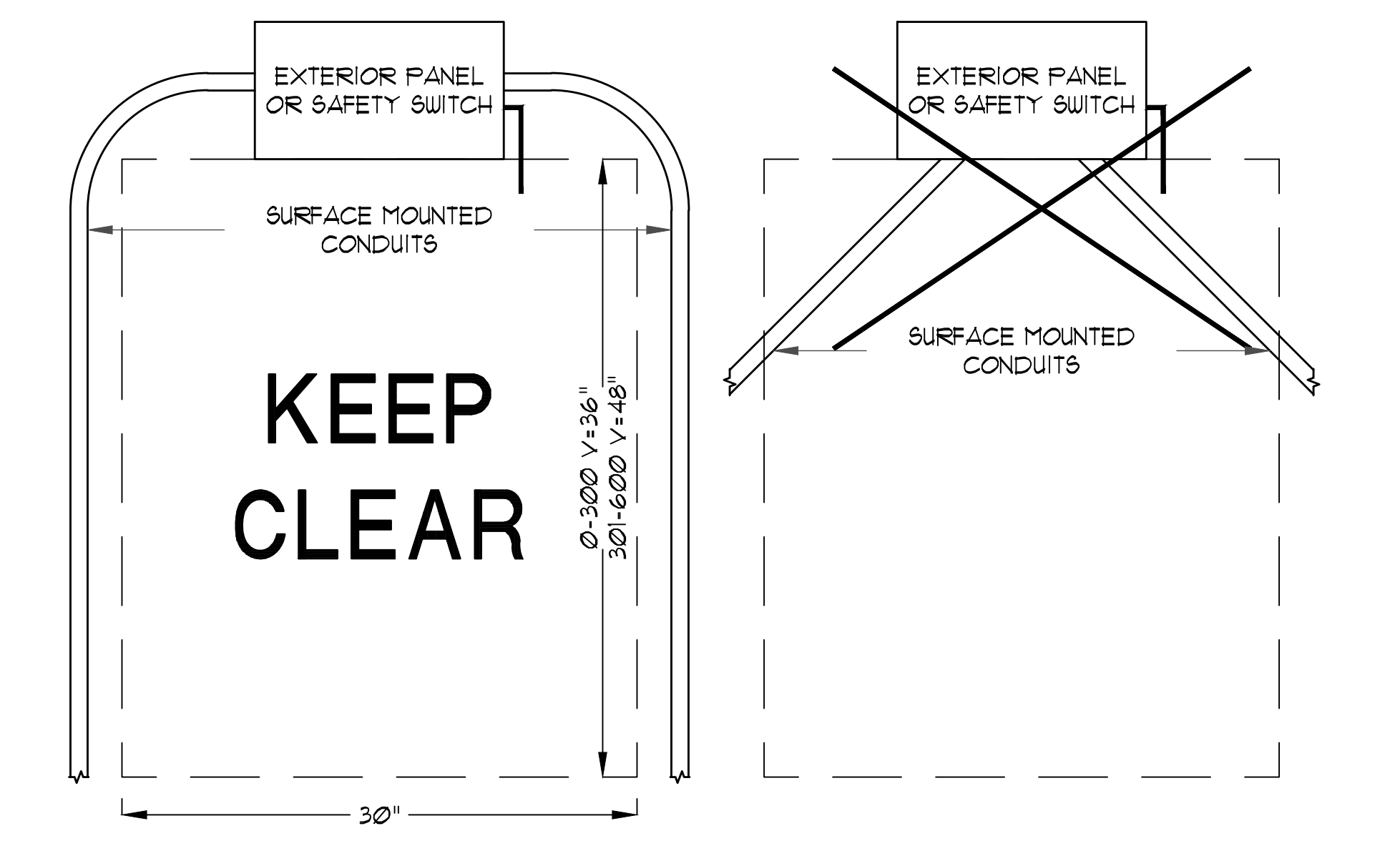
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E5.1



RECESSED TROFFER DETAIL

NO SCALE

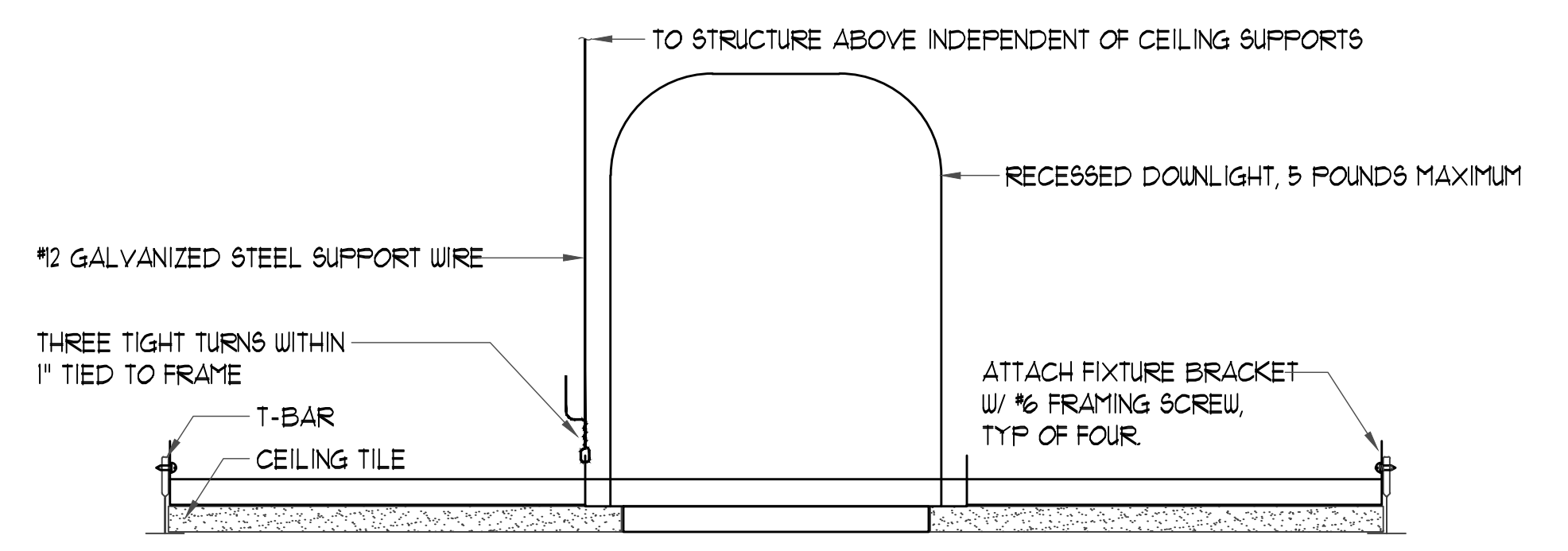
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E5.1



OUTDOOR PANEL WORKING CLEARANCE DETAIL

NO SCALE

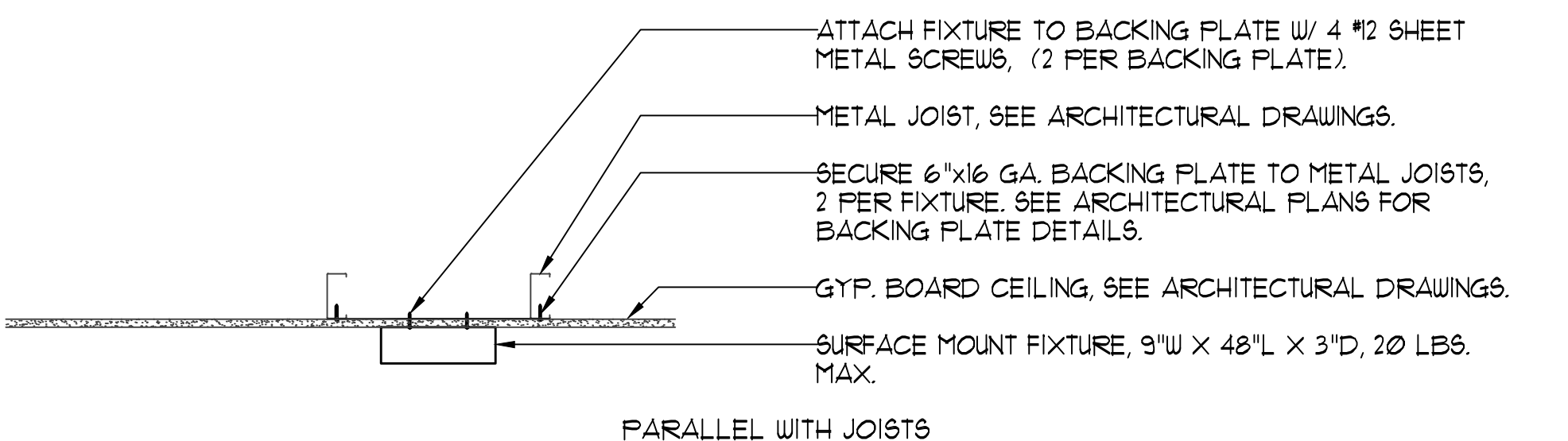
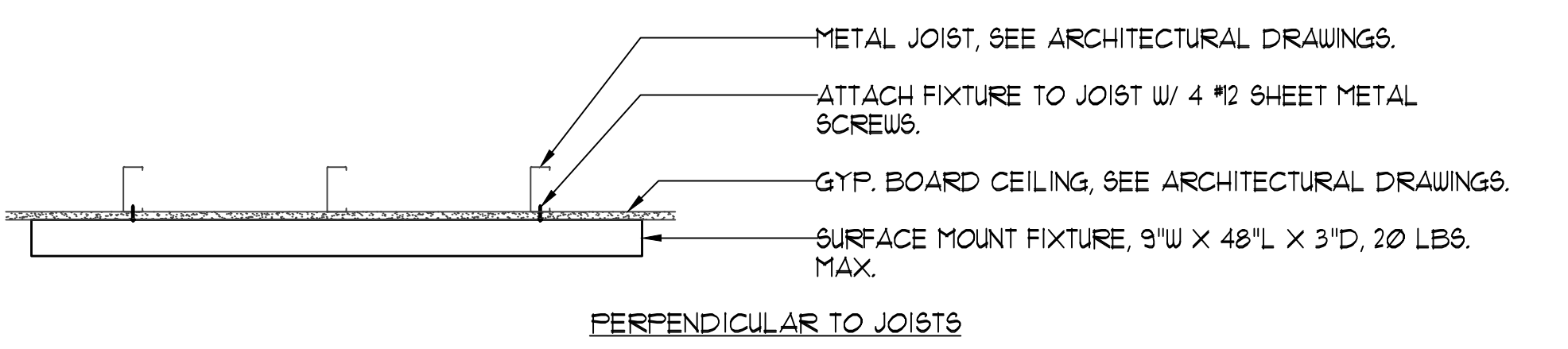
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E5.1



DOWNLIGHT T-BAR SUPPORT DETAIL

NO SCALE

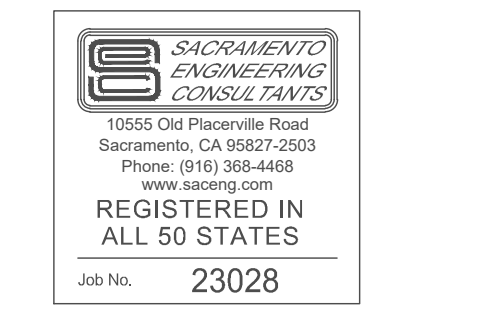
E
E5.1



SURFACE MOUNTED LIGHT ANCHORAGE DETAIL

NO SCALE

F
E5.1



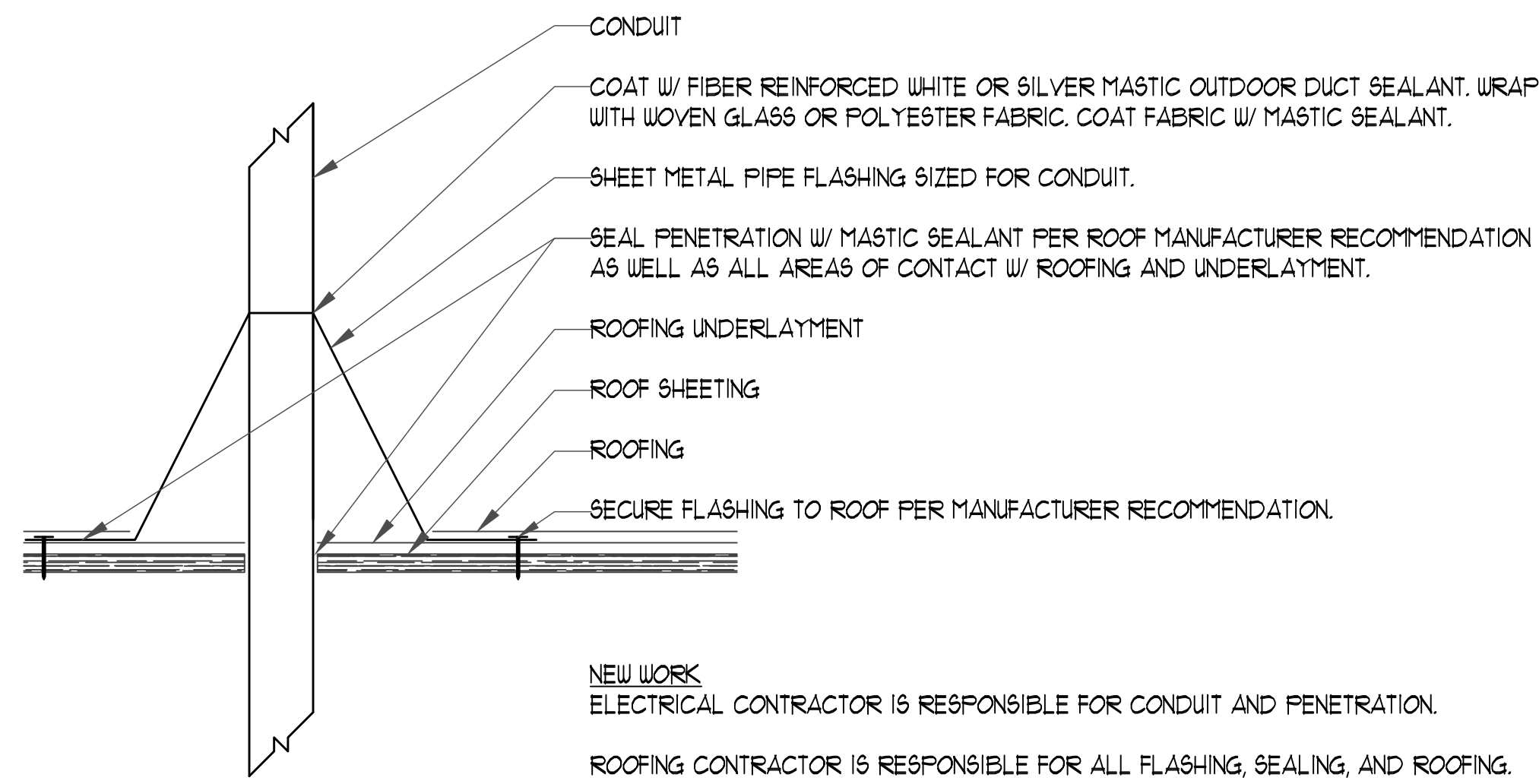
JOB TITLE:

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WOODLAND, CA
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ADDRESS: 120 W. MAIN STREET., SUITE D, WOODLAND CA

REVISIONS:

NO.	DATE	DESCRIPTION
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DATE: 00/00/25
DRAWN: MU/JS
JOB NO.: 23028
SHEET



NEW WORK
ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONDUIT AND PENETRATION.

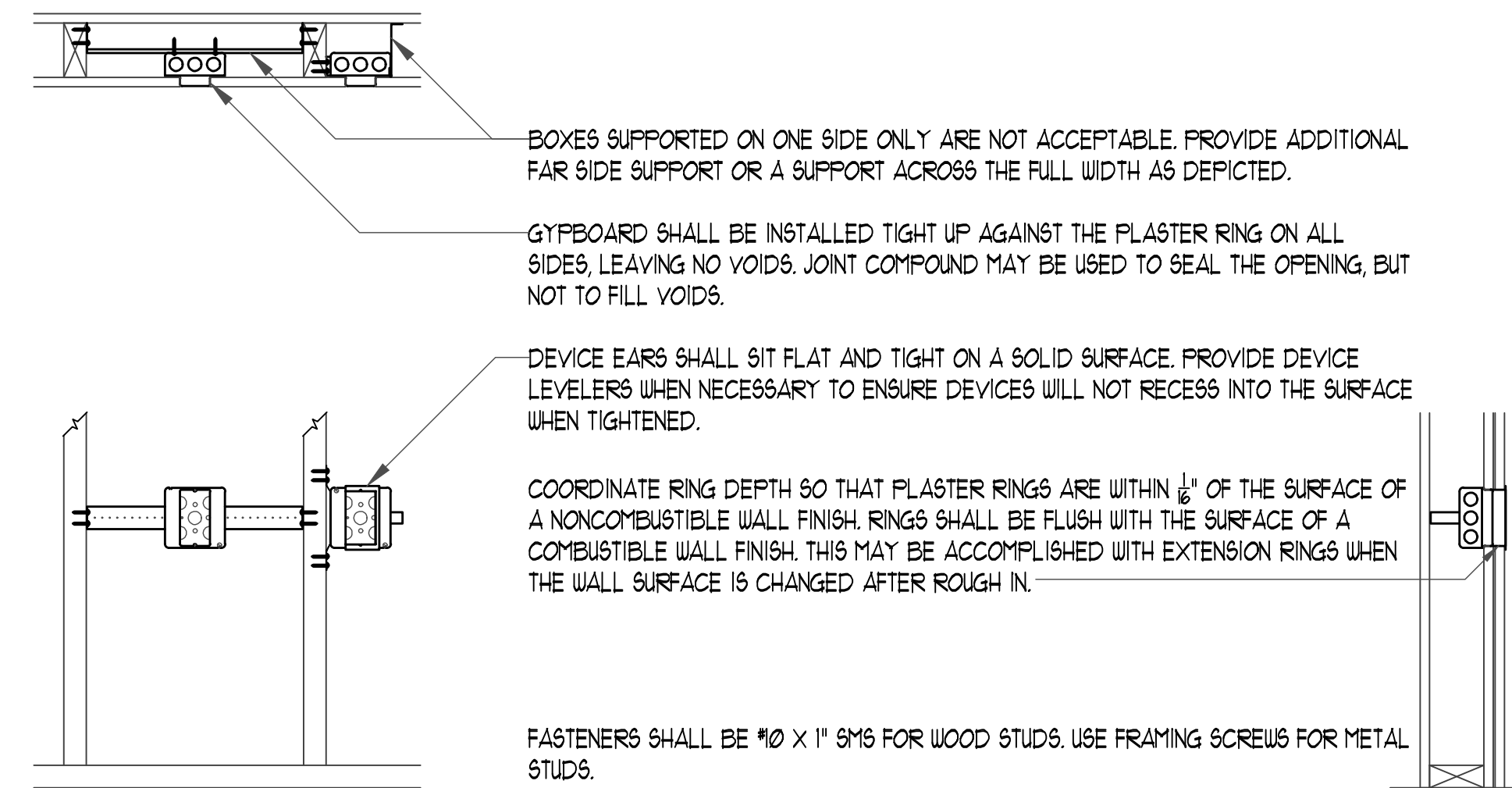
ROOFING CONTRACTOR IS RESPONSIBLE FOR ALL FLASHING, SEALING, AND ROOFING.

REMODELS THAT DO NOT INCLUDE ROOFING:
ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENTIRE INSTALLATION.

CONDUIT FLASHING DETAIL

NO SCALE

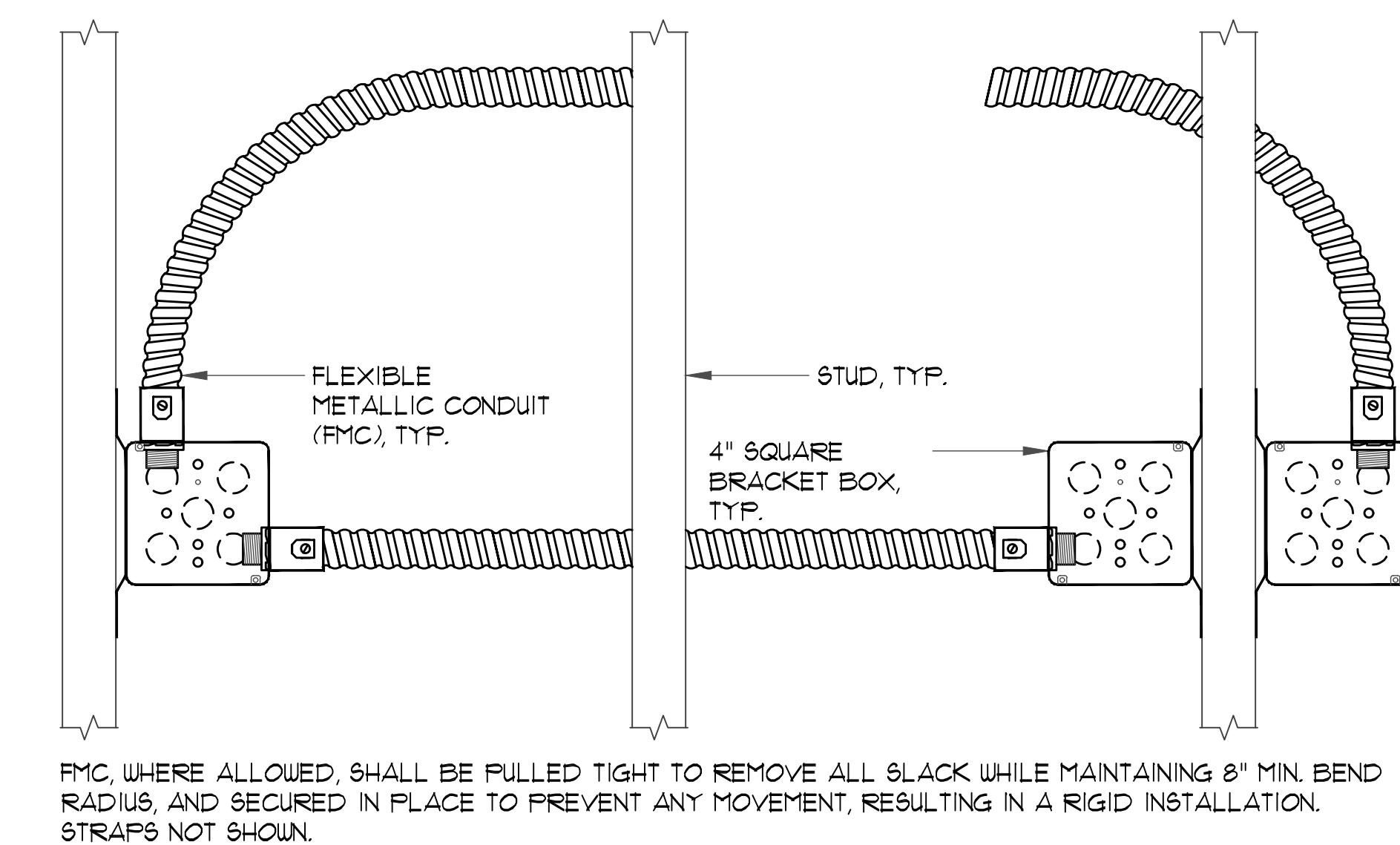
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E5.2



OUTLET ROUGH IN DETAIL

NO SCALE

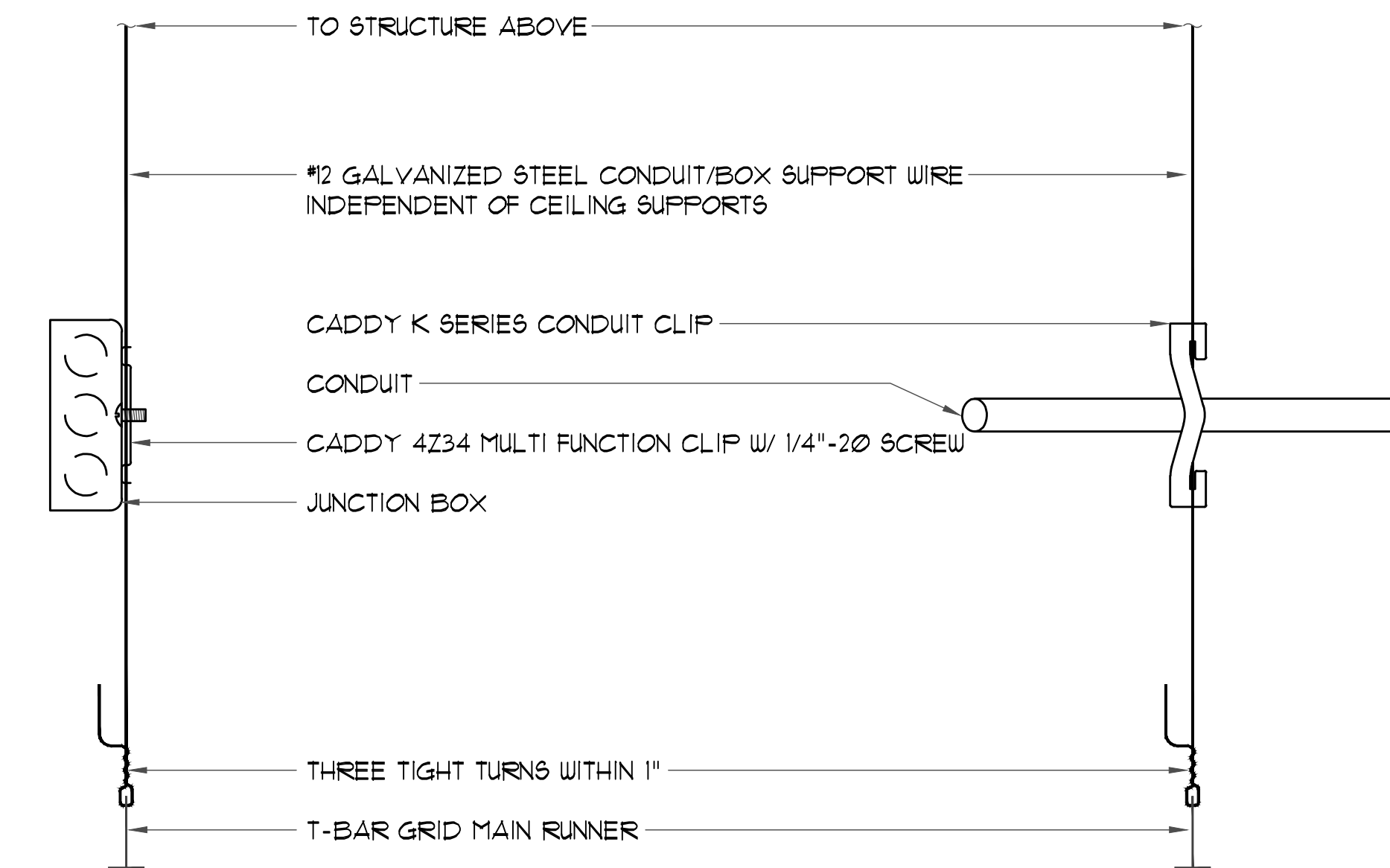
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E5.2



FLEXIBLE METALLIC CONDUIT ROUGH-IN DETAIL

NO SCALE

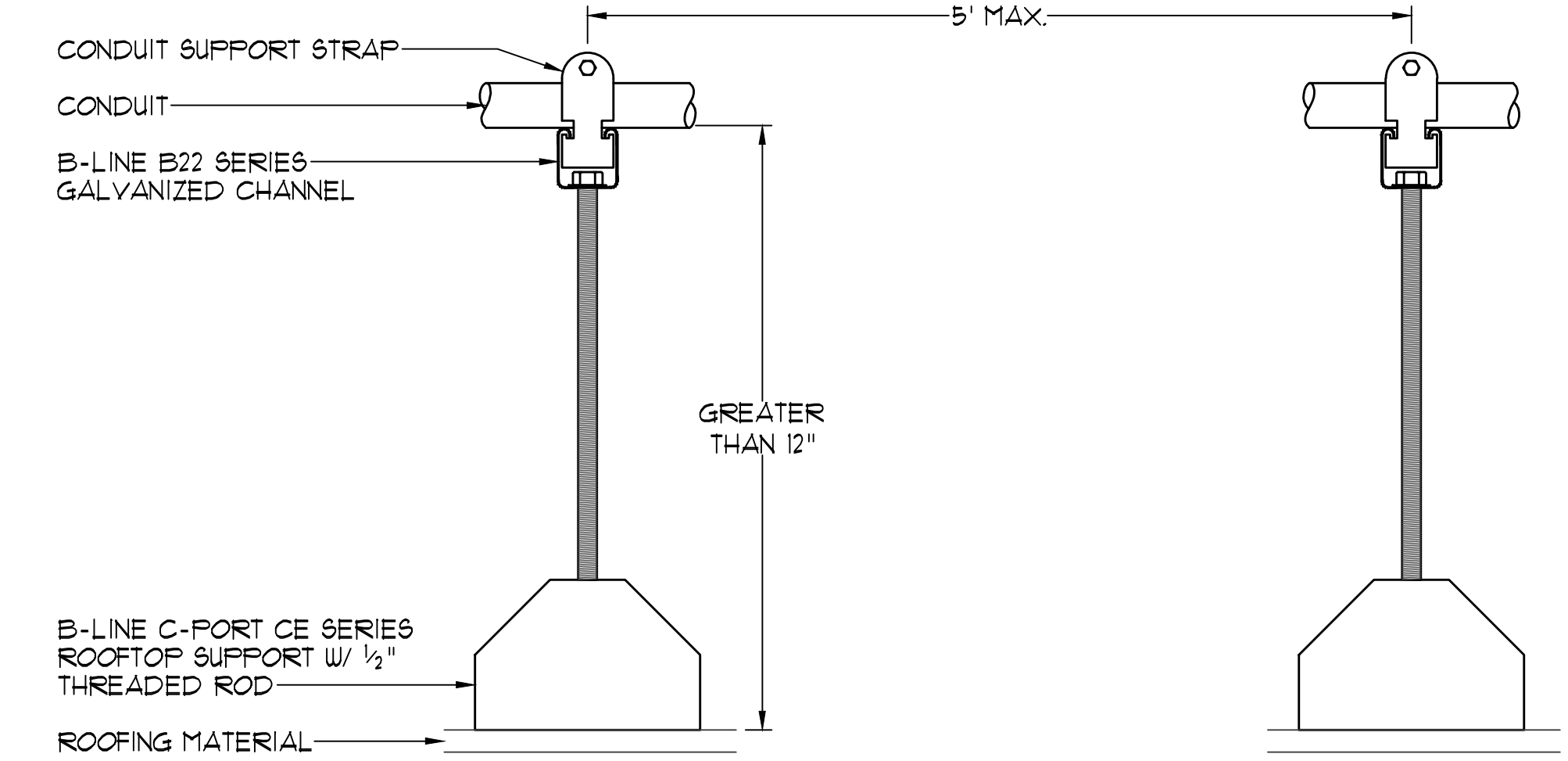
D
E5.2



CONDUIT & BOX SUPPORT DETAIL-ABOVE CEILING

NO SCALE

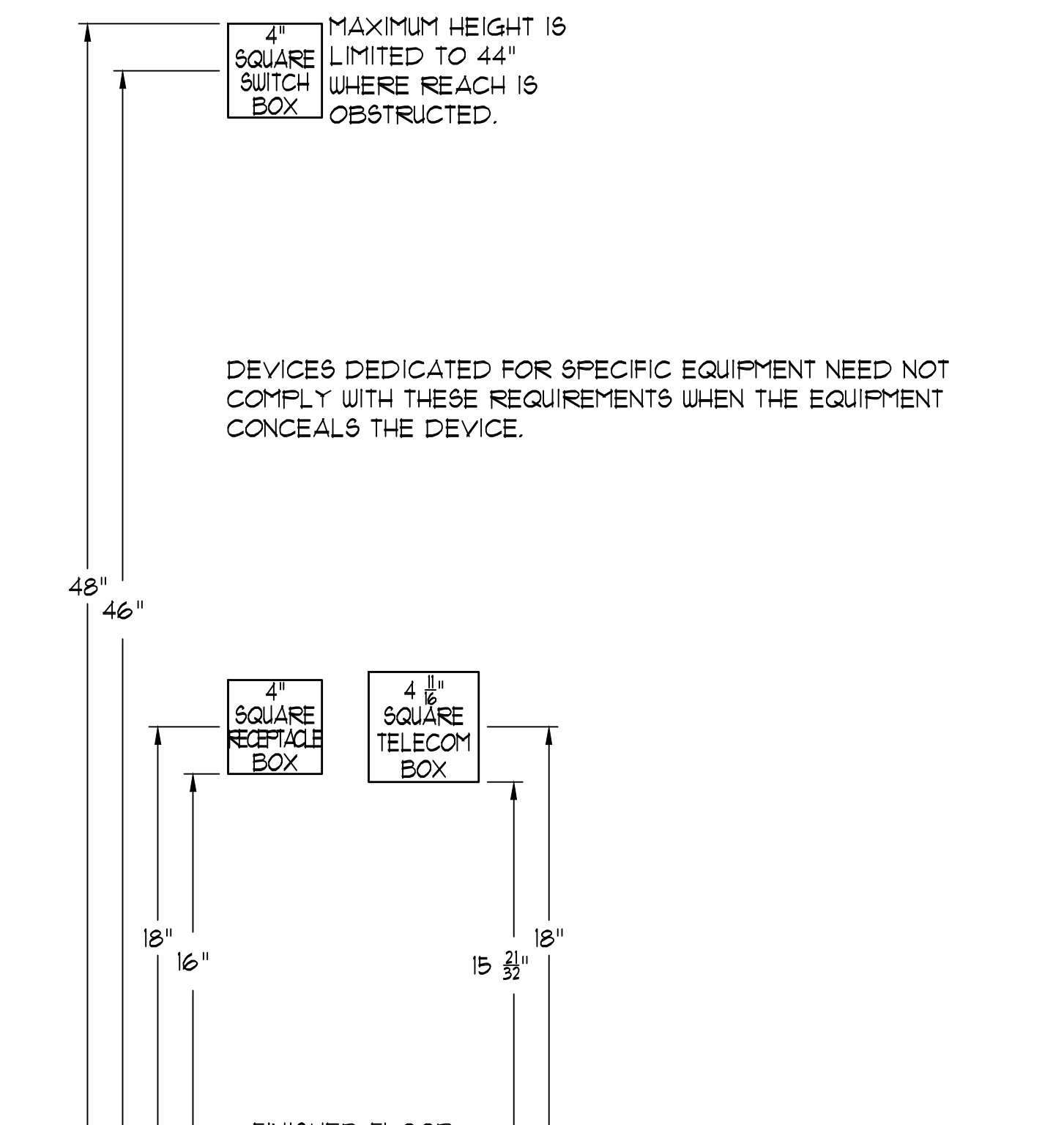
E
E5.2



ROOF CONDUIT SUPPORT DETAIL

NO SCALE

B
E5.2



ACCESSIBLE WIRING DEVICE MTG HEIGHT DETAIL

NO SCALE

F
E5.2

REGISTERED PROFESSIONAL ENGINEER
 SACRAMENTO COUNTY, CALIFORNIA
 No. E-10629
 Exp. 6-30-2027
 ELECTRICAL
 STATE OF CALIFORNIA
 Date Signed: 10/3/2025

SACRAMENTO ENGINEERING CONSULTANTS
 10555 Old Placerville Road
 Sacramento, CA 95827-2593
 Phone: (916) 368-4488
 www.seecng.com
 REGISTERED IN ALL 50 STATES
 Job No. 23028

JOB TITLE:

CONSTRUCTION DOCUMENTS FOR:
**YOLO COUNTY -
 ROADS BUILDING RENOVATIONS**
 284 W. BEAMER STREET
 WOODLAND, CA
 CLIENT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
 ADDRESS: 120 W. MAIN STREET., SUITE D, WOODLAND CA

REVISIONS:

NO.	DATE	DESCRIPTION
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DATE: 00/00/25
 DRAWN: MU/JS
 JOB NO.: 23028
 SHEET

E5.2
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