

CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School
Bakersfield City School District
District No. 22213.00-26-MP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122640 INC:
REVIEWED FOR
SS FLS ACS
DATE: 11/09/2023



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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet
Elementary School

607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
ARCHITECT - C-119670

CONSULTANT

PROJECT INFO

Project No 566-0018
Date 09.08.23
Date File No 15.6
DSA No 03-122640

REVISIONS

No	Date	Item
1	00.00.08	DESCRIPTION

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF AN ARCHITECT. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESSED WRITTEN PERMISSION OF AN ARCHITECT. WRITTEN SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS SHALL BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION. © COPYRIGHT 11.06.23/19/04

TITLE SHEET

A0.00

SHEET INDEX		62 SHEETS
Architectural Sheets	26 SHEETS	Plumbing Sheets
A0.00 TITLE SHEET	P1.00 PLUMBING SITE PLAN, SCHEDULE, AND NOTES	
A1.00 CAMPUS SITE PLAN	P2.10 PLUMBING DEMOLITION PLAN	
A1.10 PARTIAL DEMOLITION SITE PLAN	P2.20 PLUMBING PLAN	
A1.20 PARTIAL SITE PLAN	P2.21 PLUMBING PLAN	
A2.00 SCHEDULES	P8.00 BRACING GENERAL REQUIREMENTS & DETAILS	
A2.02 WINDOW SCHEDULE	P8.01 SEISMIC BRACING DETAILS	
A2.10 DEMOLITION FLOOR PLANS		
A2.11 PARTIAL DEMOLITION FLOOR PLANS		
A2.20 FLOOR PLANS		
A2.21 PARTIAL FLOOR PLANS		
A3.00 ROOF PLANS		
A4.00 EXTERIOR ELEVATIONS		
A4.01 EXTERIOR ELEVATIONS		
A4.10 BUILDING SECTIONS		
A5.00 DEMOLITION REFLECTED CEILING PLANS		
A5.10 REFLECTED CEILING PLANS		
A6.00 INTERIOR ELEVATIONS		
A6.01 INTERIOR ELEVATIONS		
A6.02 INTERIOR ELEVATIONS		
A6.03 INTERIOR ELEVATIONS		
A6.04 INTERIOR ELEVATIONS		
A6.00 DETAILS		
A6.01 DETAILS		
A6.02 DETAILS		
A6.03 DETAILS		
Structural Sheets	5 SHEETS	
S0.01 GENERAL NOTES		
S0.02 GENERAL NOTES		
S2.01 ROOF FRAMING PLANS		
S3.01 SECTIONS AND DETAILS		
S3.02 SECTIONS AND DETAILS		
Mechanical Sheets	14 SHEETS	
M1.00 MECHANICAL SITE PLAN, SCHEDULE, AND NOTES		
M2.10 MECHANICAL DEMOLITION PLANS		
M2.20 MECHANICAL FLOOR PLAN		
M3.10 MECHANICAL ROOF PLAN		
M4.10 MECHANICAL DETAILS AND SECTION		
M4.11 MECHANICAL DETAILS		
M4.12 DUCT BRACING DETAILS		
M4.13 DUCT BRACING DETAILS		
M5.10 MECHANICAL TITLE 24 SHEETS - BUILDING C, D, E		
M5.11 MECHANICAL TITLE 24 SHEETS - BUILDING C, D, E		
M5.12 MECHANICAL TITLE 24 SHEETS - BUILDING R19 & R20		
M5.13 MECHANICAL TITLE 24 SHEETS - BUILDING R19 & R20		
M5.14 MECHANICAL TITLE 24 SHEETS - BUILDING F		
M5.15 MECHANICAL TITLE 24 SHEETS - BUILDING F		

GENERAL NOTES	
1.	ALL WORK SHALL BE IN ACCORDANCE WITH THE CALIFORNIA CODE OF REGULATIONS (TITLE DOCUMENTS) AND ALL OTHER LOCAL CODES AND ORDINANCES OF THE GOVERNING AUTHORITY HAVING JURISDICTION AND AS IDENTIFIED UNDER APPLICABLE CODES ON THIS SHEET. IT IS THE INTENT OF THESE DOCUMENTS TO COMPLY HERETO.
2.	ALL DRAWINGS SHALL BE USED IN CONCERT WITH EACH OTHER. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCY BETWEEN THE DOCUMENTS, THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION FROM THE ARCHITECT. REFER TO THE ARCHITECTURAL AND ENGINEERING DRAWINGS FOR PLACEMENT, ORIENTATION AND COORDINATION OF WORK. INFORMATION SHOWN IN LARGER SCALE IS INTENDED TO SUPPLEMENT INFORMATION OF SMALLER, PRECEDING REFERENCE DRAWINGS. LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
3.	NOTATION MARKED "TYPICAL" (TYP) SHALL BE CONSISTENT THROUGHOUT ALL SUCH REFERENCE NOMENCLATURE, SYMBOLS AND DRAWING INDICATIONS OF LIKE OR SIMILAR KIND.
4.	DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY CONSTRUCTION CONDITIONS AND DIMENSIONS PRIOR TO ORDERING, FABRICATING OR INSTALLING ANY ASSOCIATED WORK. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION FROM THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY ASSOCIATED WORK.
5.	CONTRACTOR SHALL VERIFY AT THE SITE ALL EXISTING CONDITIONS PRIOR TO SUBMITTAL OF BIDS. SITE VISITS DURING BIDDING SHALL BE COORDINATED WITH THE OWNER IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATIONS.
6.	CONTRACTOR SHALL PROTECT ALL EXISTING WORK. ANY DAMAGED WORK SHALL BE REPLACED WITH THE SAME MATERIALS, INCLUDING MATCHING THE EXISTING COLORS AND TEXTURES.
7.	EXISTING WORK IS SHOWN FOR REFERENCE ONLY. THE OWNER AND/OR ARCHITECT DO NOT GUARANTEE EXISTING CONDITIONS AS SHOWN ON THESE DOCUMENTS.
8.	CONTRACTOR(S) SHALL BE RESPONSIBLE FOR THEIR OWN CLEANUP AS WORK PROGRESSES.
9.	MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS THAT ARE DISCOVERED DURING THE PROGRESS OF THE WORK SHALL BE REPORTED TO THE OWNER IN WRITING. WORK IN THAT PARTICULAR AREA SHALL BE SUSPENDED UNTIL THE OWNER TESTS THE SUSPECTED MATERIAL AND IT IS FOUND TO BE SAFE, OR THE MATERIAL HAS BEEN PROPERLY ABATED.
10.	ALL WORK IS NEW UNLESS OTHERWISE NOTED.
11.	IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THESE CONSTRUCTION DOCUMENTS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN.
12.	STORAGE OF CONSTRUCTION MATERIAL AND EFFECT OF WORK ON EXISTING OCCUPIED AREAS SHALL BE APPROVED BY THE LOCAL FIRE AUTHORITY.
13.	CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK PROVIDED BY OTHERS UNDER SEPARATE CONTRACT(S).
14.	KEYNOTES USED ON THE ARCHITECTURAL DRAWINGS ARE FOR ASSEMBLIES, MATERIAL REFERENCES AND NOTES. REFER TO THE KEYNOTES LIST ON THE RESPECTIVE DRAWING FOR THE SIMILAR CONDITIONS THAT ARE SHOWN.
15.	CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH CFC CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION.
16.	CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH CBC CHAPTER 33, SAFETY DURING CONSTRUCTION.
17.	NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL WHICH AFFECTS ACCESS COMPLIANCE ITEMS UNLESS SUCH CHANGES OR REVISIONS ARE SUBMITTED TO CSA FOR APPROVAL.
18.	SUBSTITUTIONS AFFECTING DSA REGULATIONS SHALL BE SUBMITTED AS A CONSTRUCTION CHANGE DOCUMENT (CSA 149) OR ADDENDA AND APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION.
19.	ALL EXITS SHALL BE OPERABLE DURING BUSINESS HOURS FROM INSIDE WITHOUT USE OF A KEY OR ANY SPECIAL KNOWLEDGE. NO DEAD OR SLIDING BOLTS, NO LATCH OR LATCHING DEVICE EXCEPT HARDWARE PERMITTED UNDER CODE 10102.4.

DSA NOTES	
1.	ALL WORK SHALL CONFORM TO 2019 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2.	CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY TITLE 24, CCR, PART 1, SECTION 4, GROUP 1, 4-338.
3.	A DSA CERTIFIED CLASS 3 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN PROJECT 4-342, PART 1, TITLE 24, CCR.
4.	REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS OF DSA AND OTHER APPROVING/PERMITTING AUTHORITIES IN THE EVENT OF ANY DISCREPANCIES. CONFLICTS OR DUAL REQUIREMENTS THE MORE RESTRICTIVE REQUIREMENTS WILL PREVAIL.
5.	A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
6.	GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL, HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
7.	THE PATH OF TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISION FOR THE POT REQUIREMENTS FOR ALTERATION, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. THAT WERE DETERMINED TO BE NON COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENT.
8.	DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THIS PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCOMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT TO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
9.	THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR).
10.	FIRE ALARM TESTS SHALL BE WITNESSED BY THE DSA INSPECTOR.
11.	CONSTRUCTION SITE MUST BE IN COMPLIANCE WITH CFC CHAPTER 14 AT ALL TIMES.
12.	ONE COPY OF TITLE 24 CCR PARTS 1-6 SHALL BE KEPT ON SITE DURING CONSTRUCTION.

APPLICABLE CODES	
Title 19, CCR	PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
Title 24, CCR	2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE 2019 CALIFORNIA BUILDING CODE VOLUME 1 AND 2 (2018 IBC) 2019 CALIFORNIA ELECTRICAL CODE (2017 NATIONAL ELECTRICAL CODE) 2019 CALIFORNIA MECHANICAL CODE (2018 EDITION IAPMO UNIFORM MECHANICAL CODE) 2019 CALIFORNIA PLUMBING CODE (2018 EDITION IAPMO UNIFORM PLUMBING CODE) 2019 CALIFORNIA ENERGY CODE 2019 CALIFORNIA HISTORICAL BUILDING CODE 2019 CALIFORNIA FIRE CODE (2018 EDITION, INTERNATIONAL FIRE CODE) 2019 CALIFORNIA FIRE CODE CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION 2019 CALIFORNIA EXISTING BUILDING CODE (2018 INTERNATIONAL EXISTING BUILDING CODE) 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE 2019 CALIFORNIA REFERENCED STANDARDS CODE 2018 EDITION, STANDARD INSTALLATION OF SPRINKLER SYSTEMS (AS AMENDED) 2018 EDITION, STANDARD INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (AS AMEND) 2017 EDITION, STANDARD DRY CHEMICAL EXTINGUISHING SYSTEMS 2017 EDITION, STANDARD WET CHEMICAL EXTINGUISHING SYSTEMS 2018 EDITION, STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION 2018 EDITION, STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION 2016 EDITION, STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (AS AMENDED) 2014 EDITION, INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (CA AMENDED) 2016 EDITION, NATIONAL FIRE ALARM AND SIGNALING CODE 2016 EDITION, STANDARD FOR FIRE DOOR AND OPENING PROTECTIVES

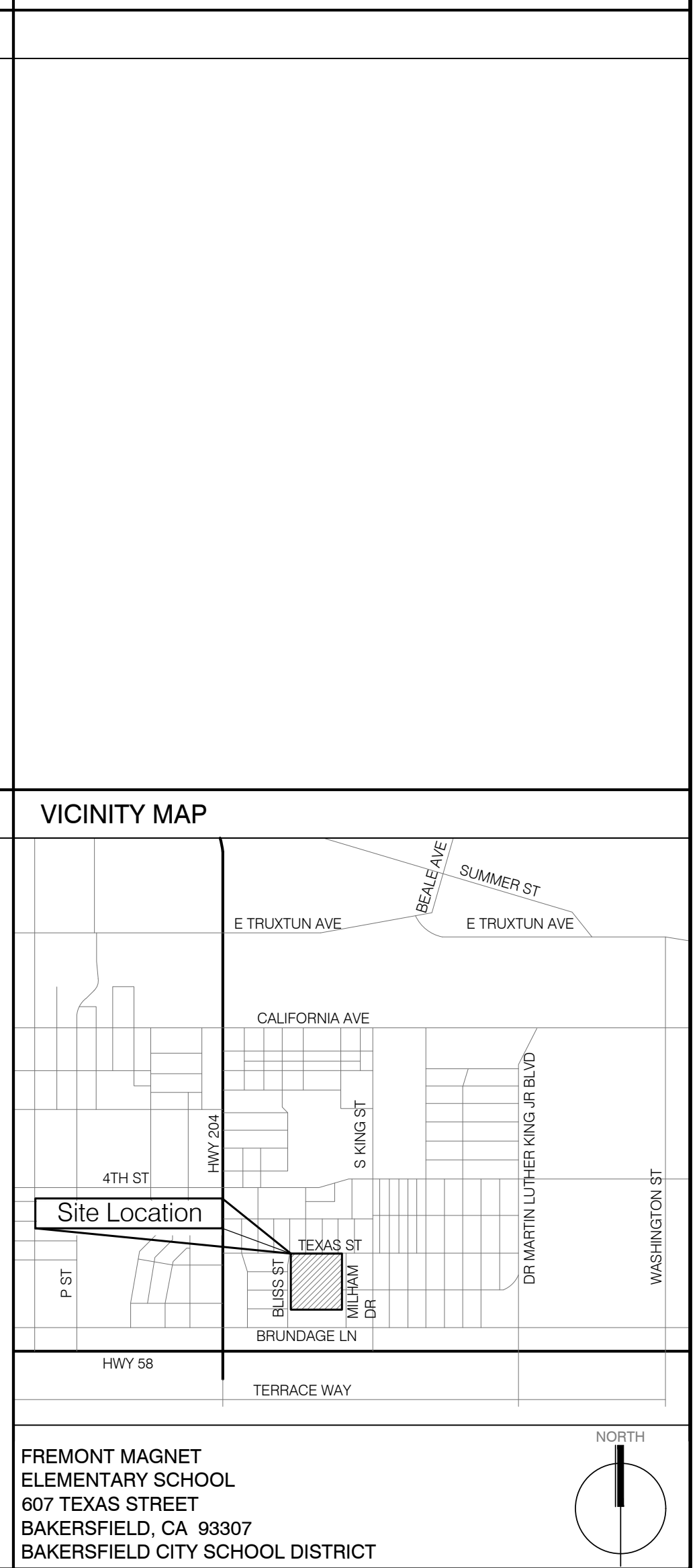
BUILDING CODE ANALYSIS	
BUILDING C	OCCUPANCY CLASSIFICATION: E-1 TYPE OF CONSTRUCTION: V-8 ALLOWABLE AREA: 9100 SF ACTUAL AREA: 6451 SF
BUILDING D	OCCUPANCY CLASSIFICATION: E-1 TYPE OF CONSTRUCTION: V-8 ALLOWABLE AREA: 9100 SF ACTUAL AREA: 6451 SF
BUILDING E	OCCUPANCY CLASSIFICATION: E-1 TYPE OF CONSTRUCTION: V-8 ALLOWABLE AREA: 9100 SF ACTUAL AREA: 6451 SF
BUILDING F	OCCUPANCY CLASSIFICATION: E-1 TYPE OF CONSTRUCTION: V-8 ALLOWABLE AREA: 9100 SF ACTUAL AREA: 980 SF
BUILDING R20	OCCUPANCY CLASSIFICATION: E-1 TYPE OF CONSTRUCTION: V-8 ALLOWABLE AREA: 9100 SF ACTUAL AREA: 980 SF

OCCUPANT LOAD ANALYSIS						
BUILDING C						
Room #	Room Name	Area (SF)	Factor	Occupants	Remarks	
C1	CLASSROOM	932	20	47	EDUCATIONAL - E	
C2	CLASSROOM	934	20	47	EDUCATIONAL - E	
C3	CLASSROOM	934	20	47	EDUCATIONAL - E	
C4	STORAGE	238	300	1	EDUCATIONAL - E	
C5	JANITOR	230	300	1	EDUCATIONAL - E	
C6	CLASSROOM	934	20	47	EDUCATIONAL - E	
C7	CLASSROOM	934	20	47	EDUCATIONAL - E	
C8	GIRLS	176	300	1	EDUCATIONAL - E	
C9	MECHANICAL	128				
C10	BOYS	147				
TOTAL				238		
BUILDING D						
D1	CLASSROOM	932	20	47	EDUCATIONAL - E	
D2	CLASSROOM	934	20	47	EDUCATIONAL - E	
D3	CLASSROOM	934	20	47	EDUCATIONAL - E	
D4	TEACHER LOUNGE	228	50	5	EDUCATIONAL - E	
D5	LOCKERS	230	300	1	EDUCATIONAL - E	
D6	JANITOR	38	300	1	EDUCATIONAL - E	
D7	CLASSROOM	934	20	47	EDUCATIONAL - E	
D8	CLASSROOM	934	20	47	EDUCATIONAL - E	
D9	GIRLS	176	300	1	EDUCATIONAL - E	
D10	STAFF RESTROOM	41				
D11	BOYS	148				
TOTAL				249		
BUILDING E						
E1	CLASSROOM	932	20	47	EDUCATIONAL - E	
E2	CLASSROOM	934	20	47	EDUCATIONAL - E	
E3	CLASSROOM	934	20	47	EDUCATIONAL - E	
E4	STORAGE	238	300	1	EDUCATIONAL - E	
E5	JANITOR	230	300	1	EDUCATIONAL - E	
E6	CLASSROOM	934	20	47	EDUCATIONAL - E	
E7	CLASSROOM	934	20	47	EDUCATIONAL - E	
E8	GIRLS	176	300	1	EDUCATIONAL - E	
E9	MECHANICAL	128				
E10	BOYS	147				
TOTAL				238		
BUILDING F						
F1	CLASSROOM	934	20	47	EDUCATIONAL - E	
F2	CLASSROOM	934	20	47	EDUCATIONAL - E	
F3	CLASSROOM	1168	20	59	EDUCATIONAL - E	
TOTAL				153		
BUILDING R19						
R19	CLASSROOM	922	20	47	EDUCATIONAL - E	
TOTAL				47		
BUILDING R20						
R20	CLASSROOM	922	20	47	EDUCATIONAL - E	
TOTAL				47		
TOTAL				3,120	OCC	

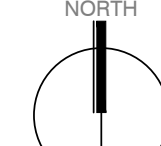
DIRECTORY		SCOPE OF WORK		ABBREVIATIONS	
Owner	BAKERSFIELD CITY SCHOOL DISTRICT 1300 BAKER STREET BAKERSFIELD, CA 93305 PHONE: (805) 831-7851 ATTN: MIKE HANLIN	1. ALTERATIONS TO BUILDINGS C, D, E, F, R19 AND R20 INCLUDING BUT NOT LIMITED TO HVAC SYSTEM UPGRADES. NO CHANGES TO OCCUPANCY OR USE.	2. HAZARDOUS MATERIALS ABATEMENT. SEE REPORT IN PROJECT MANUAL.	3. CAMPUS-WIDE FIRE ALARM SYSTEM UPGRADE (SEE BUILDING DIRECTORY ON SHEET A1.00 FOR BUILDING DSA APPL NO)	
Architect	AP ARCHITECTS 3434 TRUXTUN AVENUE, SUITE #240 BAKERSFIELD, CA 93301 PHONE: (805) 327-1690 ATTN: J. PATRICK FOGARTY, AIA				
Structural Engineer	JOHN A. MARTIN & ASSOCIATES, INC. 150 SOUTH GRAND AVENUE LOS ANGELES, CA 90015 PHONE: (213) 483-6400 ATTN: SHANE FITZGERALD				
Mechanical Engineer	BASKIN MECHANICAL ENGINEERING 175 FULTON STREET FRESNO, CA 93721 PHONE: (559) 237-0376 ATTN: MARK BASKIN				
Electrical Engineer	AMPE ELECTRICAL ENGINEERING 3500 MING AVENUE BAKERSFIELD, CA 93309 PHONE: (805) 831-7851 ATTN: JOHN MALONEY				
FIRE PROTECTION	THE FIRE ALARM SYSTEM SHOWN ON PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM ON THE STAMPED DSA APPROVED PLANS SHALL BE SUBMITTED TO THE DIVISION OF THE STATE ARCHITECT FOR REVIEW. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.				
ASSISTIVE LISTENING SYSTEMS	ASSISTIVE LISTENING SYSTEM SHALL BE PROVIDED AT EACH CLASSROOM IN ACCORDANCE WITH SECTION 11B-219 AND 11B-706 OF THE CBC.				
1.	THE NUMBER OF RECEIVERS FOR EACH CLASSROOM SHALL BE EQUAL TO 4% OF THE TOTAL NUMBER OF SEATS BUT NO LESS THAN 2				
2.	SIGNAGE SHALL BE PROVIDED IN EACH CLASSROOM IN COMPLIANCE WITH SECTION 11B-216.10 AND 11B-703.7.2.2. SEE DTL 56				

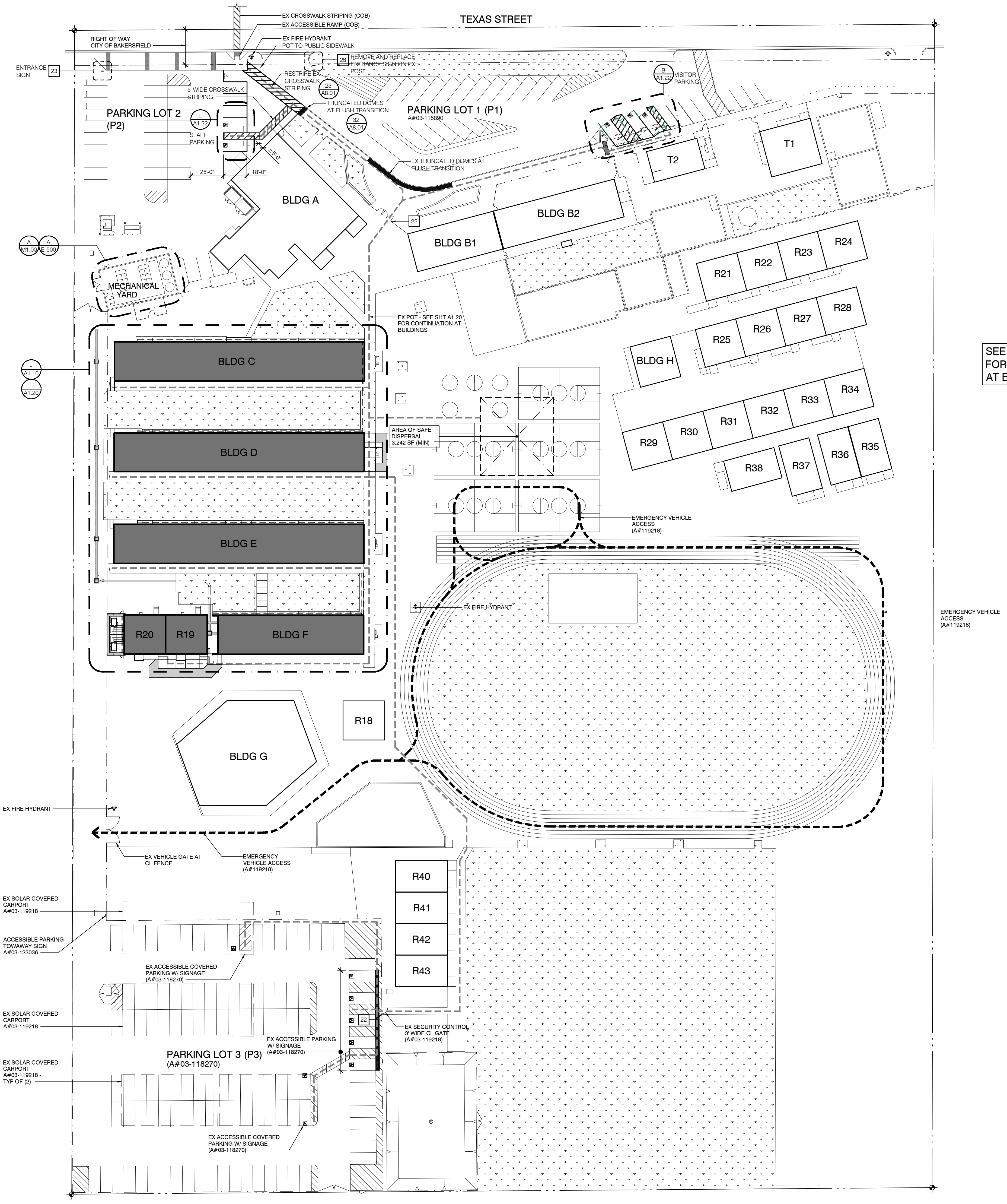
FIRE RESISTIVE REQUIREMENTS		FLOOD ZONE	
Type V-B	BUILDING ELEMENT	FIRE-RESISTANCE RATING	REMARKS
PRIMARY STRUCTURAL FRAME	0	TABLE 601	
BEARING WALLS-EXT	0	TABLE 601	
BEARING WALLS-INT	0	TABLE 601	
NONBEARING WALLS-EXT	0	TABLE 602	
NONBEARING WALLS-INT	0	TABLE 601	
SHAFT ENCLOSURE	N/A	SEC 713	
FLOOR CONSTRUCTION	0	TABLE 601	
ROOF CONSTRUCTION	0	TABLE 601	
EXT DOORS AND WINDOWS UNPROTECTED/INT (15.5.3-3-20)	25%	TABLE 705.8	
STAIRWAY CONSTRUCTION	N/A	SEC 1020.1	
MINIMUM ROOF CLASS	C	TABLE 1505.1	
FLOOD ZONE	FLOOD ZONE DETERMINATION	ZONE 'X' (0.2%)	
	FIRM PANEL DESIGNATION	060209C23258	
	EFFECTIVE FIRM DATE	09/26/2008	
	BASE FLOOD ELEVATION (BFE)	400FT	
	COMMUNITY ORDINANCE	BMC 15.74.040	

SYMBOLS		VICINITY MAP	
(03)	COORDINATE LINE	(04)	KEYNOTE
(01)	BUILDING SECTION NUMBER SHEET NUMBER	(05)	WALL TYPE W/ LOCATION OF MULTIPLE LAYERS WH/ NOTED
(02)	DETAIL NUMBER SHEET NUMBER	(06)	REDUCER STRIP/FLOOR ASSEMBLY-SEE SCHEDULE
(03)	ELEVATION X REFERENCE OR DATUM	(07)	SEALANT DESIGNATION-SEE SCHEDULE
(04)	WINDOW LETTER(S)	(08)	FIRE RETARDANT SEALANT-SEE SCHEDULE
(05)	REVISION NUMBER WITH CLOUD	(09)	WOOD FINISH
(06)	ACCESSORY NUMBER, REFER TO ACCESSORY SCHEDULE	(10)	WOOD CONTINUOUS
(07)	COLUMNS - SIZE AS NOTED ON STRUCTURAL SHEETS	(11)	WOOD BLOCKING
(08)	FLUSH SURFACES THAT MEET	(12)	PLYWOOD
(09)	NOT IN CONTRACT BY OTHERS (INC HAS TO BE WRITTEN WITH DASHED LINES)	(13)	GYP DR
(10)		(14)	ASPHALTIC CONCRETE INSULATION - RIGID
(11)		(15)	INSULATION
(12)		(16)	CONCRETE



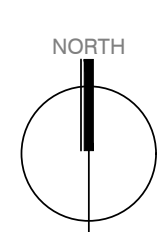
FREMONT MAGNET
ELEMENTARY SCHOOL
607 TEXAS STREET
BAKERSFIELD, CA 93307
BAKERSFIELD CITY SCHOOL DISTRICT





SEE FIRE ALARM SHEETS FOR CAMPUSWIDE WORK AT BUILDING ON SITE

Campus Site Plan
Scale: 1" = 40'-0"



BUILDING DIRECTORY

BLDG NO.	DSA NO.	BUILDING USE	BLDG NO.	DSA NO.	BUILDING USE
A	19177	MULTIPURPOSE/ KITCHEN (CERTIFIED)	R34	03-112884	CLASSROOM RELOCATABLE (CERTIFIED)
B1	3252	ADMINISTRATION (OFFICE) (CERTIFIED)	R35	03-115890	CLASSROOM RELOCATABLE (CERTIFIED)
B2	3252	CLASSROOMS (CERTIFIED)	R36	03-115890	CLASSROOM RELOCATABLE (CERTIFIED)
C	3252	CLASSROOMS (CERTIFIED)	R37	03-115890	CLASSROOM RELOCATABLE (CERTIFIED)
D	5616	CLASSROOMS (CERTIFIED)	R38	03-118270	OFFICE (CERTIFIED)
E	5616/ 98115	CLASSROOMS (CERTIFIED)	R40	03-102897	CLASSROOM RELOCATABLE (CERTIFIED)
F	5616	CLASSROOMS (CERTIFIED)	R41	03-102897	CLASSROOM RELOCATABLE (CERTIFIED)
G	28584	LIBRARY (CERTIFIED)	R42	03-102897	CLASSROOM RELOCATABLE (CERTIFIED)
H	03-102897	RESTROOMS (CERTIFIED)	R43	03-102897	CLASSROOM RELOCATABLE (CERTIFIED)
T1	116973	PRE-K CLASSROOM RELOCATABLE (CERTIFIED)			
T2	116973	PARENT CENTER RELOCATABLE (CERTIFIED)			
R18	51550	IMC (CERTIFIED)			
R19	51550	CLASSROOM RELOCATABLE (CERTIFIED)			
R20	51550	CLASSROOM RELOCATABLE (CERTIFIED)			
R21	51550	CLASSROOM RELOCATABLE (CERTIFIED)			
R22	51550	CLASSROOM RELOCATABLE (CERTIFIED)			
R23	51550	CLASSROOM RELOCATABLE (CERTIFIED)			
R24	51550	CLASSROOM RELOCATABLE (CERTIFIED)			
R25	51550	CLASSROOM RELOCATABLE (CERTIFIED)			
R26	51550	CLASSROOM RELOCATABLE (CERTIFIED)			
R27	51550	CLASSROOM RELOCATABLE (CERTIFIED)			
R28	51550	CLASSROOM RELOCATABLE (CERTIFIED)			
R29	03-112884	CLASSROOM RELOCATABLE (CERTIFIED)			
R30	03-112884	CLASSROOM RELOCATABLE (CERTIFIED)			
R31	03-112884	CLASSROOM RELOCATABLE (CERTIFIED)			
R32	03-112884	CLASSROOM RELOCATABLE (CERTIFIED)			
R33	03-112884	CLASSROOM RELOCATABLE (CERTIFIED)			

PARKING ANALYSIS (EXISTING)

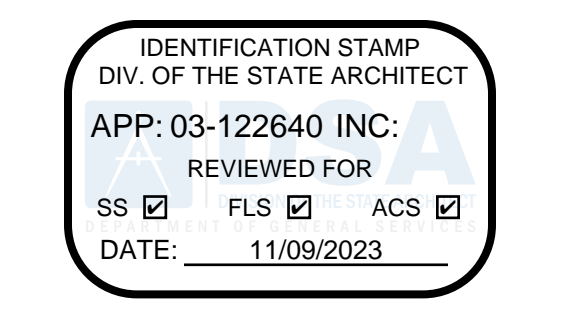
Lot	Van Accessible (VAN)	STD Accessible (ACS)	STD	Total	Remarks
P1	1	2	24	27	
P2	1	1	32	34	
P3	4	1	115	120	

SAFE DISPERSAL AREA CALCULATION

SAFE DISPERSAL AREA CALCULATION PER CBC 452.1.3 (FENCES AND GATES)
 EX GROUP E OCCUPANCY
 TOTAL BUILDING AREA = 21,608 + 20 = 1,081 OCCUPANTS
 1.081 (OCCUPANTS) X 3 (SF/OCCUPANT) = 3,242 SF REQUIRED.
 NOTE:
 AREA OF SAFE DISPERSAL REQUIRED AT FOR GROUP E BUILDINGS SHALL BE LOCATED ON THE SAME LOT AT LEAST 50'-0" AWAY FROM ANY BUILDING.

ACCESSIBLE PATH OF TRAVEL (P.O.T.)

--- "ACCESSIBLE PATH OF TRAVEL" (P.O.T.) AS INDICATED ON PLAN IS A BARRIER FREE ACCESS WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. POT IS A MINIMUM OF 48" WIDE SLIP RESISTANT SURFACE WITH 2% MAX SLOPE AND 2% MAX CROSS SLOPE. TYP. P.O.T. SHALL BE FREE OF OVERHANGING OBSTRUCTIONS TO 80" HIGH MIN AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL BETWEEN 27" AND 80" AFF OR GROUND.
 SEE ENLARGED PLANS FOR MORE INFORMATION.
 DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE STATEMENT: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS AS PART OF THE DESIGN OF THIS PROJECT. THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDINGS OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.
 DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NON-COMPLIANT BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
 1. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44 INCHES ABOVE FLOOR. LATCHING AND LOCKING DEVICES THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATION BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP AND TURN OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION.
 2. MAXIMUM EFFORT TO OPERATE SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 8 POUNDS FOR INTERIOR DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR ROLLING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS WHEN FIRE DOORS ARE REQUIRED. THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 POUNDS.
 3. CONSTRUCTION: THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAMES ARE USED, A 1" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
 4. FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. AT LEAST ONE OF A PAIR OF DOORS SHALL MEET THIS OPENING WIDTH REQUIREMENT.
 5. IN ADDITION TO ALL LOCAL CODES, ACCESSIBILITY REQUIREMENTS SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE, TITLE 24, AS WELL AS FEDERAL ADA (AMERICANS WITH DISABILITIES ACT).



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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School
 607 Texas St Bakersfield, CA 93307
 Bakersfield City School District

ARCHITECT



CONSULTANT

PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15.6
DSA No	03-122640

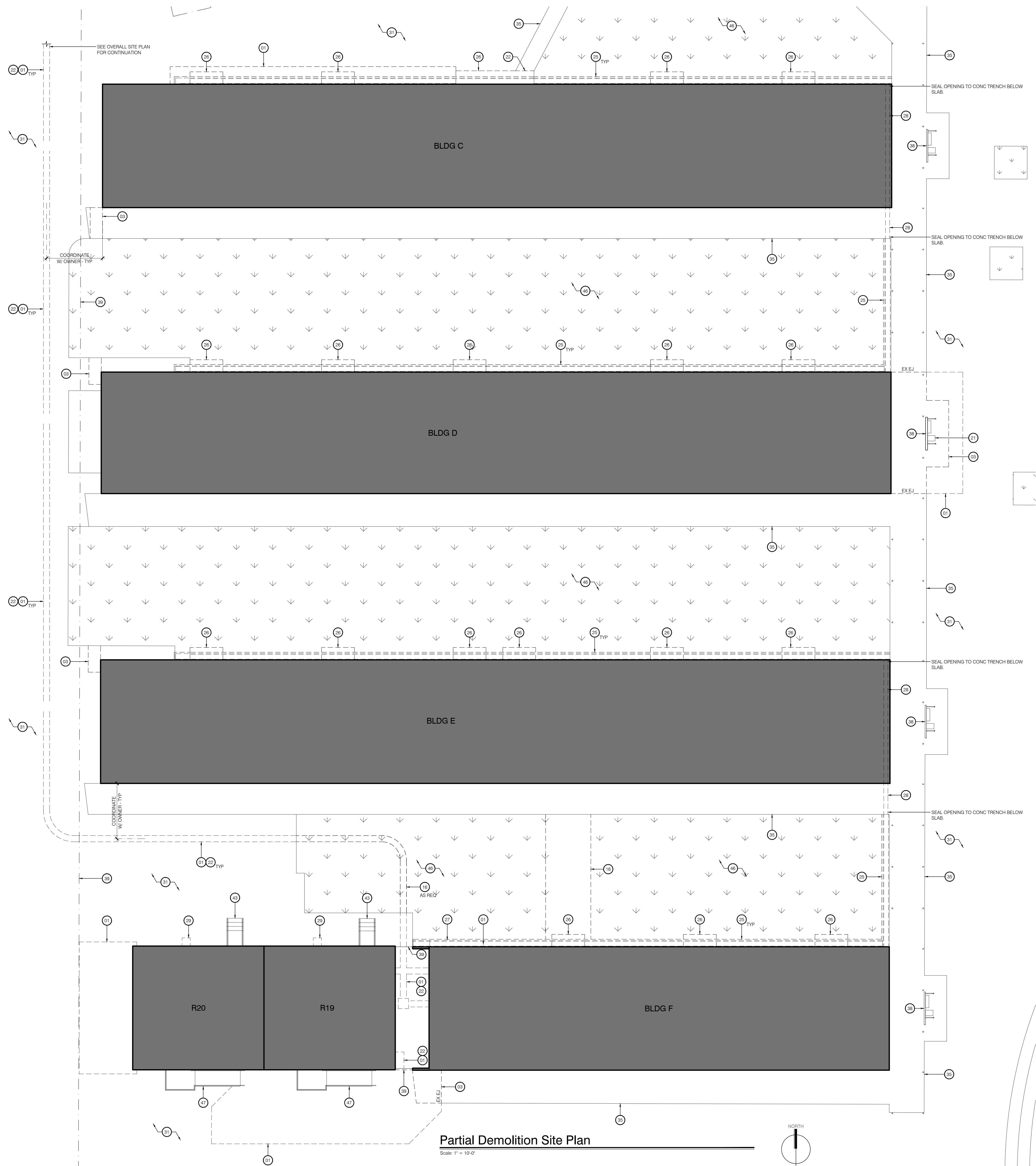
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No	Date	Item
1	00.00.08	DESCRIPTION

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CAMPUS SITE PLAN

A1.00

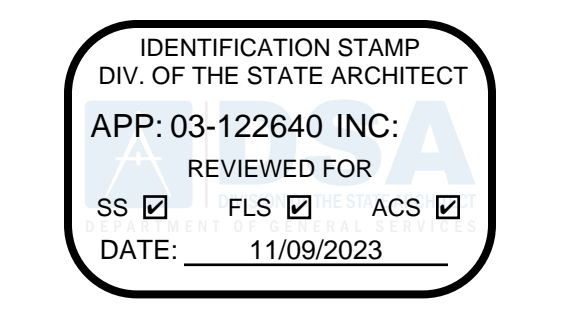


GENERAL DEMO SITE PLAN NOTES

- ALL EXISTING ITEMS, LOCATIONS AND SIZES ARE INDICATED AS ADVISORY. CONTRACTOR TO FIELD VERIFY ACTUAL DIMENSIONS, LOCATIONS AND CONDITIONS AS REQUIRED FOR INTENDED WORK AND MAKE ADJUSTMENTS ACCORDINGLY.
- CONTRACTOR TO VERIFY ALL EXISTING UNDERGROUND UTILITIES WITH APPROPRIATE UTILITY COMPANIES AND FIELD VERIFY ACTUAL LOCATIONS, DIMENSIONS AND CONDITIONS AS REQUIRED FOR INTENDED WORK.
- FIELD VERIFY EX UTILITY BOXES/COVERS TO REMAIN AT WORK AREA AND ADJUST TOP TO MATCH NEW FINISH GRADE WHERE OCCURS.
- FIELD VERIFY, LOCATE AND TAKE NECESSARY CARE TO PROTECT EX UNDERGROUND UTILITIES DURING CONSTRUCTION.
- SEE ELECTRICAL, MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL WORK SCOPE AND COORDINATE.
- PROVIDE TEMPORARY FENCES, DUST BARRIERS, SIGNAGE AND OTHER SAFETY MEASURES AS REQUIRED FOR WORK AND PUBLIC.
- SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- SEE MECHANICAL, PLUMBING AND ELECTRICAL FOR ADDITIONAL UTILITIES. ADJUST UTILITY/TRENCH DEPTH AS REQUIRED AT INTERSECTIONS.
- OWNER HAS FIRST RIGHT OF REFUSAL OF ALL ITEMS REMOVED AND NOT TO BE SALVAGED.
- CONTRACTOR TO COMPLY W/ SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT REQUIREMENTS FOR RULE 9510 INDIRECT SOURCE REVIEW (ISR).
- PRIOR TO ANY UNDERGROUND SITE WORK, VERIFY LOCATION OF ALL EX UTILITIES W/ UNDERGROUND SERVICE ALERT (U.S.A.).

DEMO SITE PLAN KEYNOTES

- (01) REMOVE EX ASPHALT CONC PAVING AND BASE MATERIAL
- (02) NOT USED
- (03) REMOVE EX CONC PAVING AND BASE MATERIAL
- (04) NOT USED
- (05) NOT USED
- (06) NOT USED
- (07) NOT USED
- (08) NOT USED
- (09) NOT USED
- (10) NOT USED
- (11) NOT USED
- (12) NOT USED
- (13) NOT USED
- (14) NOT USED
- (15) NOT USED
- (16) REMOVE LANDSCAPING AND IRRIGATION LINES
- (17) NOT USED
- (18) NOT USED
- (19) NOT USED
- (20) NOT USED
- (21) REMOVE EX PLBG FIXTURES AND ASSOCIATED PIPING AS REQ. - SEE PLBG SHTS FOR ADDIT INFO
- (22) LINE OF SAWCUT
- (23) NOT USED
- (24) NOT USED
- (25) REMOVE EX CONC UTILITY TRENCH, PIPING, SUPPORTS AND ASSOCIATED ANCHORAGE WITH STL COVER/ANGLES
- (26) REMOVE EX CONC LANDING W/ UTILITY TRENCH BELOW
- (27) REMOVE EX WOOD HEADER
- (28) REMOVE EX UTILITY PIPING IN CONC TRENCH BELOW SLAB
- (29) REMOVE AND CAP EX UTILITIES ABOVE GRADE. REINSTALL EX SHT MET COVER
- (30) NOT USED
- (31) NOT USED
- (32) NOT USED
- (33) NOT USED
- (34) NOT USED
- (35) EXISTING CONCRETE PAVING TO REMAIN
- (36) NOT USED
- (37) NOT USED
- (38) EXISTING MASONRY WALL (CMU OR BRICK) TO REMAIN
- (39) EXISTING CHAINLINK FENCE AND GATE(S) TO REMAIN
- (40) NOT USED
- (41) NOT USED
- (42) NOT USED
- (43) EXISTING CONCRETE STAIR, LANDING AND RAILING TO REMAIN
- (44) NOT USED
- (45) NOT USED
- (46) EXISTING LANDSCAPE AND IRRIGATION TO REMAIN
- (47) EXISTING CONCRETE RAMP, LANDING AND RAILING TO REMAIN



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ARCHITECT



CONSULTANT

PROJECT INFO

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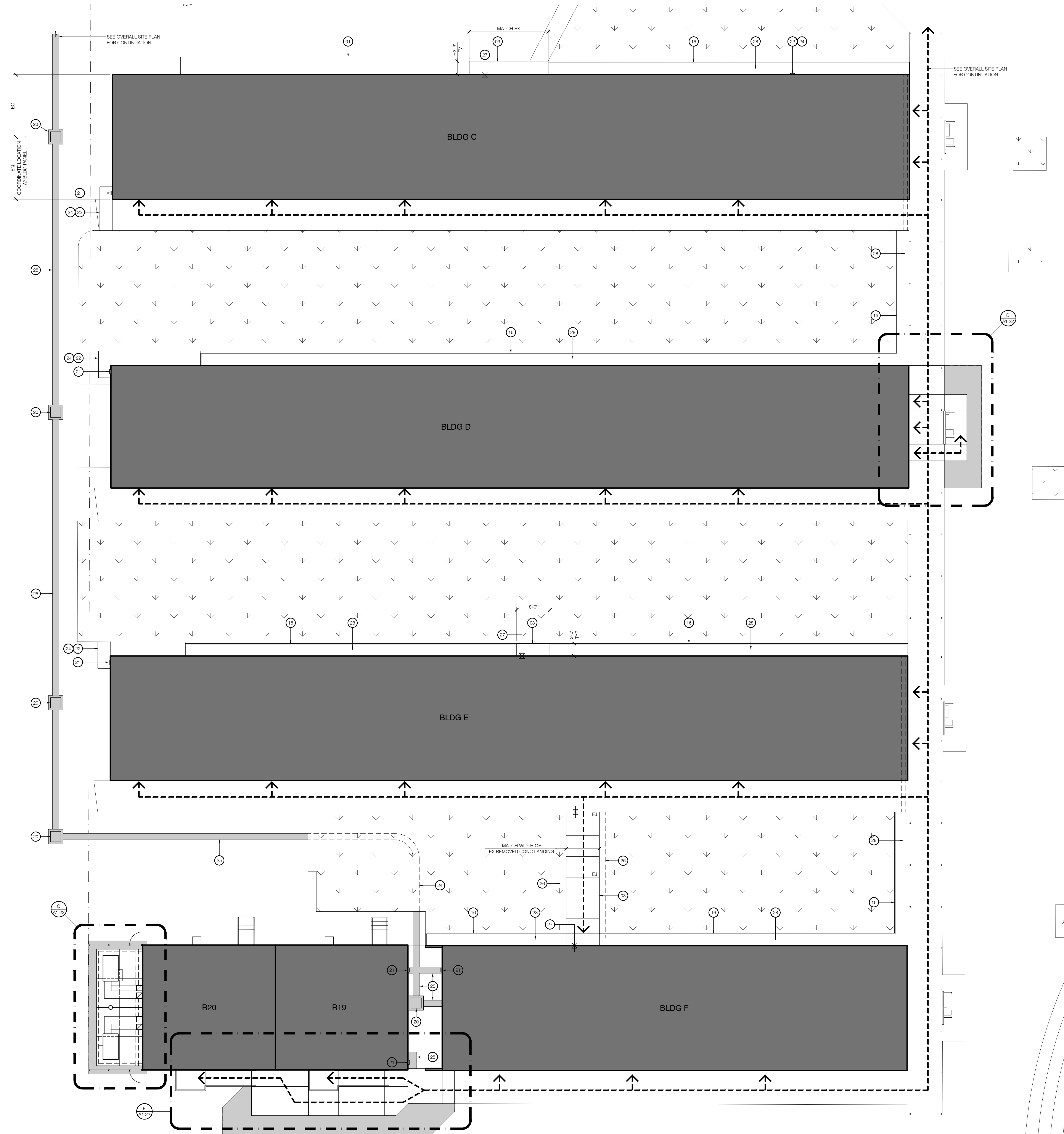
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PARTIAL DEMOLITION SITE PLAN

A1.10



GENERAL SITE PLAN NOTES

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- ALL EXISTING ITEMS NOT NOTED FOR REMOVAL TO BE PROTECTED IN PLACE.
- SEE DTL (11/18/07) FOR TYPICAL UNDERGROUND UTILITIES - UNO.
- SEE DTL (12/18/07) FOR UTILITY BOX.

SITE PLAN KEYNOTES

- (1) 2 1/2" TH AC PAVING OVER 1 1/2" CLASS II AGGREGATE BASE
- (2) NOT USED
- (3) 4" TH CONCRETE PAVING
- (4) NOT USED
- (5) NOT USED
- (6) NOT USED
- (7) NOT USED
- (8) ACCESSIBLE PARKING STALL
- (9) PARKING STRIPES
- (10) NOT USED
- (11) NOT USED
- (12) NOT USED
- (13) NOT USED
- (14) REDWOOD HEADER
- (15) NOT USED
- (16) NOT USED
- (17) DETECTABLE WARNING SURFACE
- (18) ELEC PULL BOX - SEE ELEC SHTS FOR ADDIT INFO
- (19) ELEC CONDUIT RISER - SEE ELEC SHTS FOR ADDIT INFO - COORDINATE LOCATION W/ OWNER
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- (25) FLUSH CONCRETE PAVING AT EX FINISH FLR (DOOR)
- (26) EXPOSED SOIL

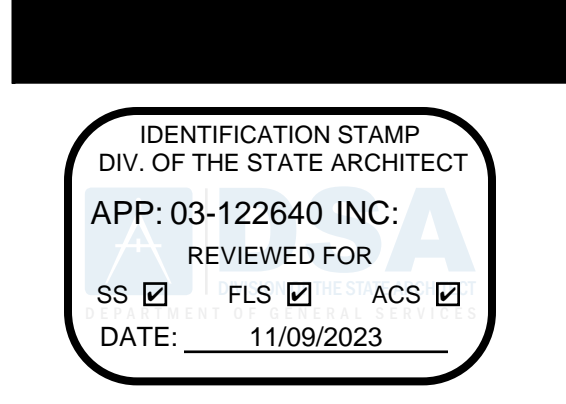
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ARCHITECT



CONSULTANT

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REVISIONS

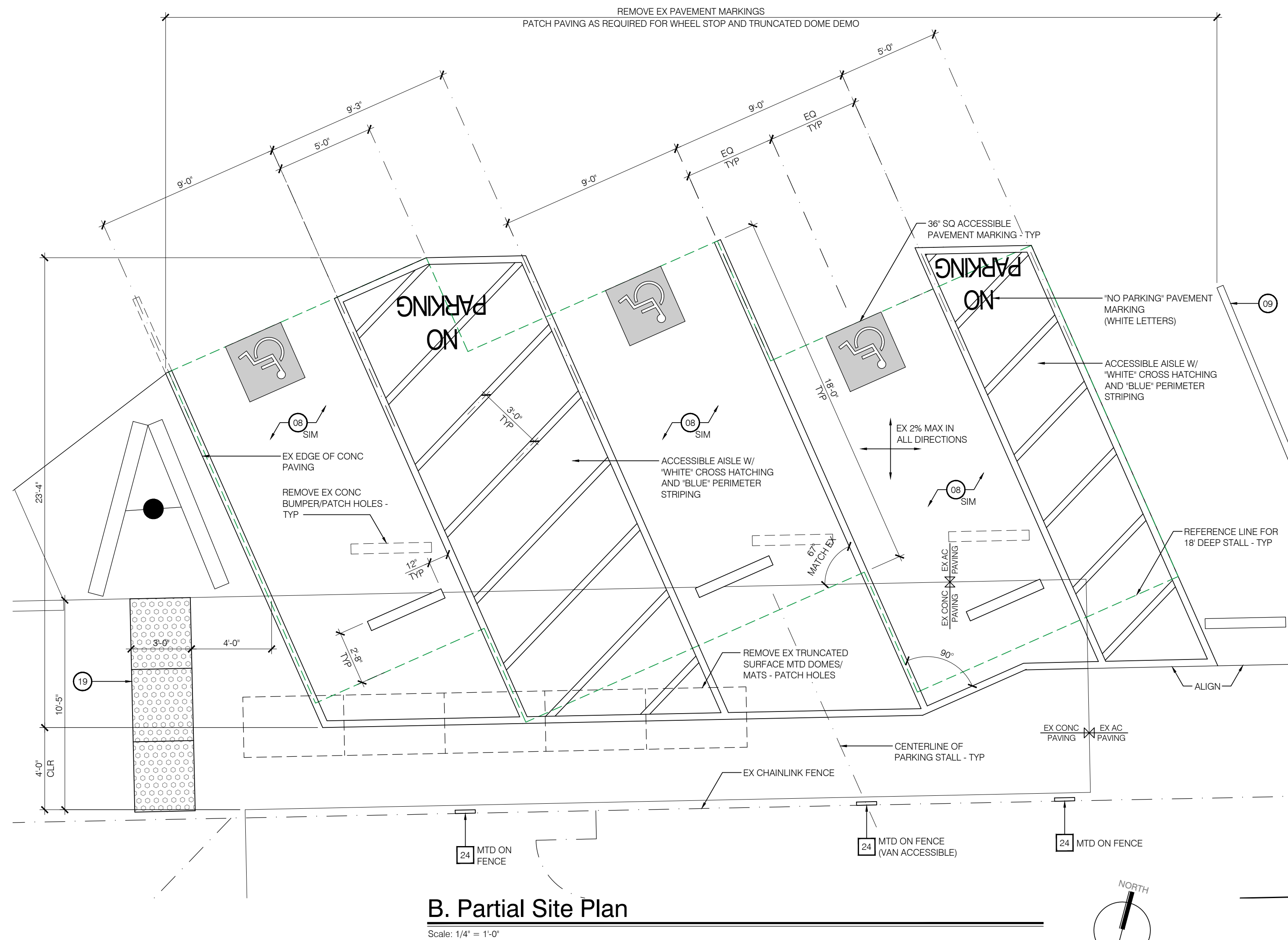
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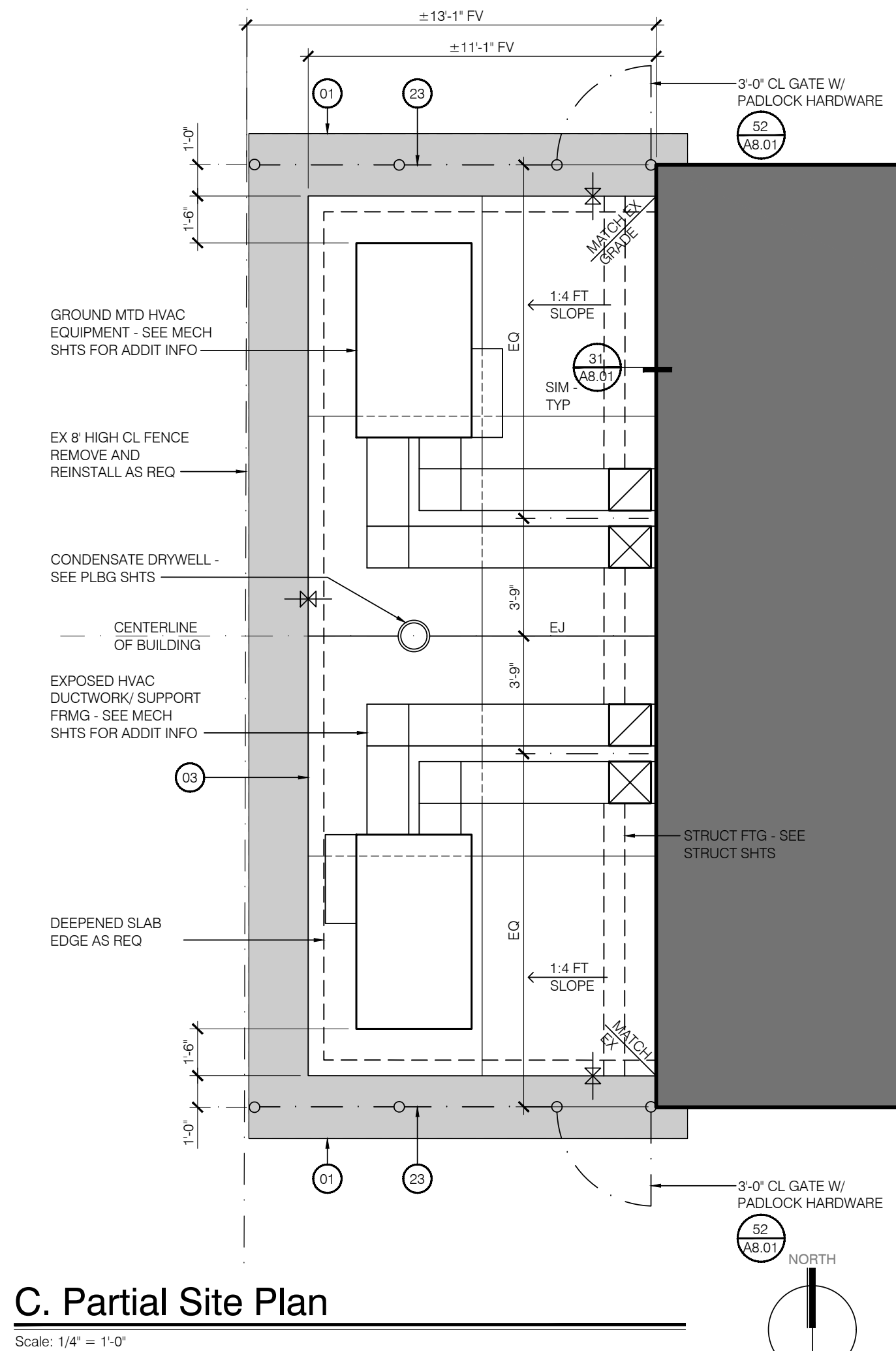
PARTIAL SITE PLAN

A1.20



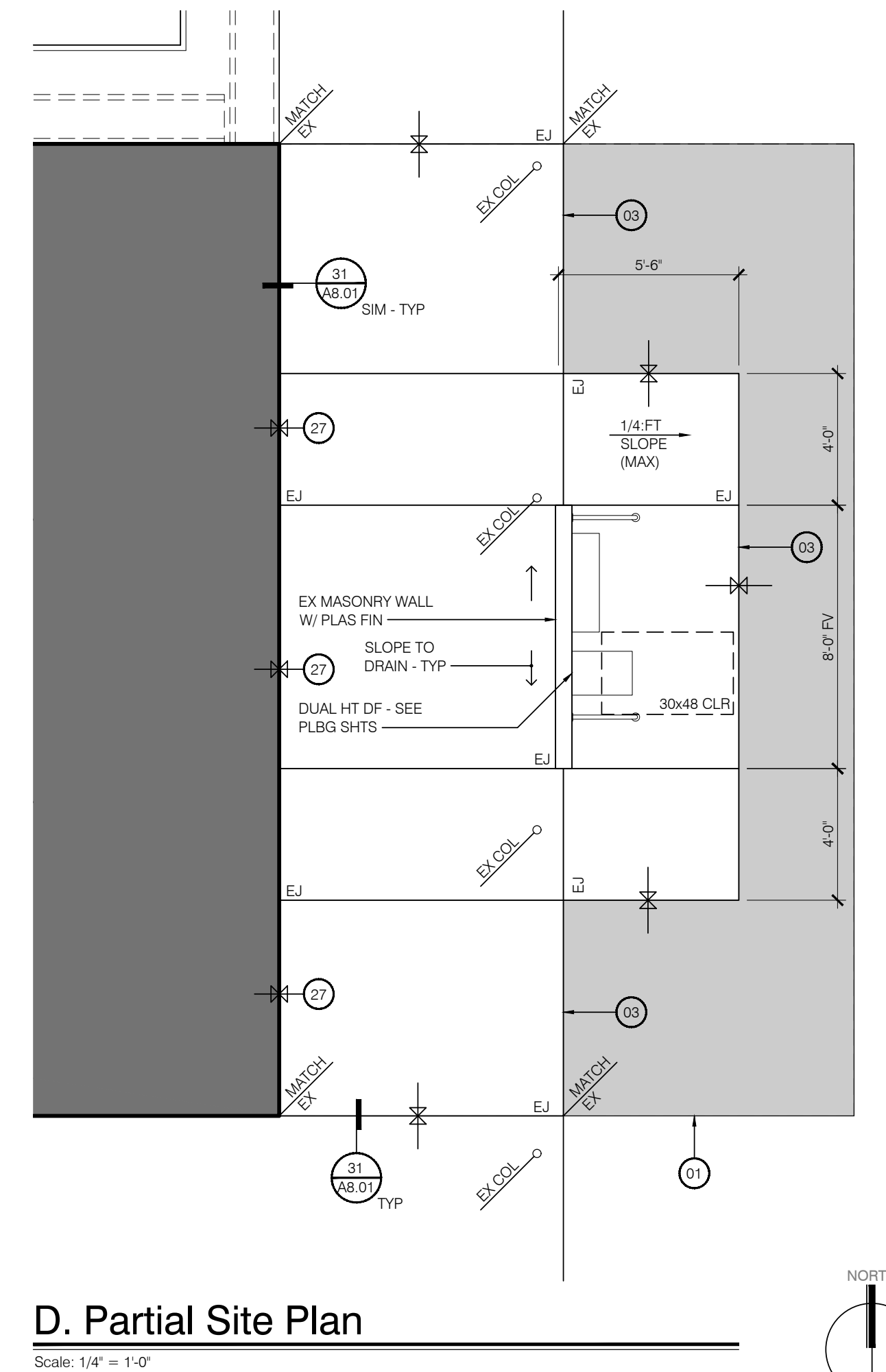
B. Partial Site Plan

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



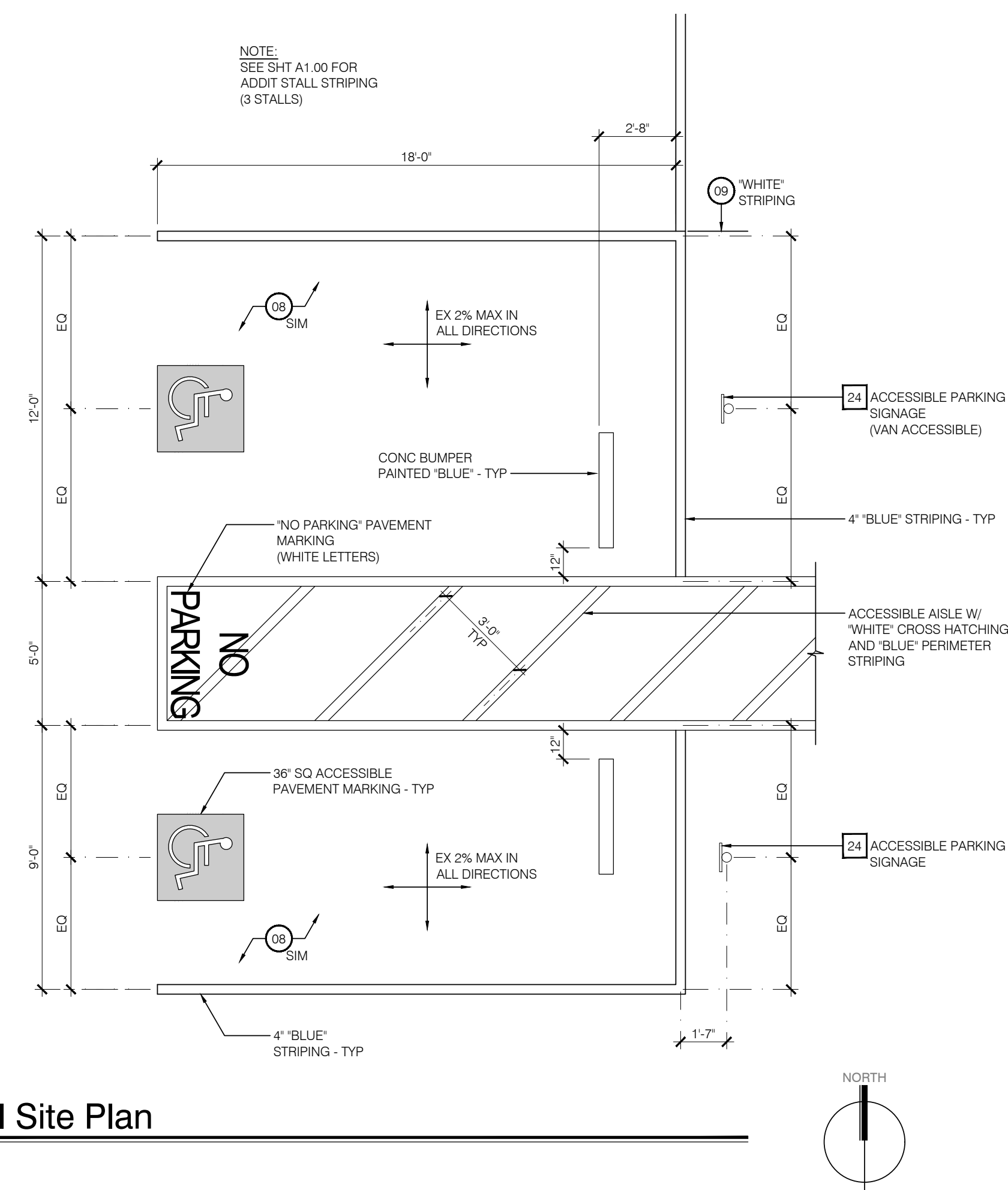
C. Partial Site Plan

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



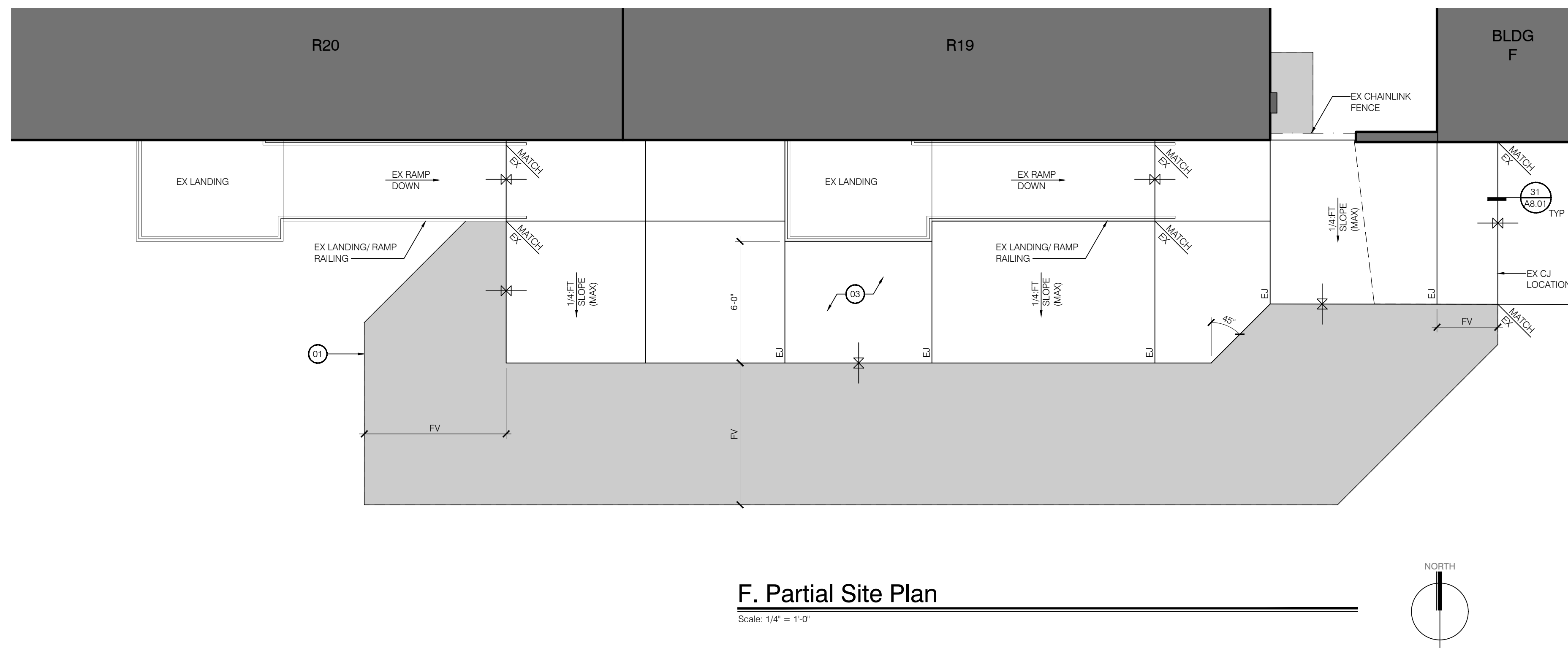
D. Partial Site Plan

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



E. Partial Site Plan

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



F. Partial Site Plan

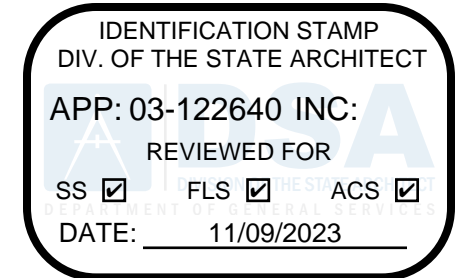
Scale: 1/4" = 1'-0"

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SITE PLAN KEYNOTES

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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School

607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
ARCHITECT G-19670

CONSULTANT

PROJECT INFO

Project No	566-018
Date	09.08.23
DSA File No	15.6
DSA No	03-122640

REVISIONS

No	Date	Item
1	00.00.08	DESCRIPTION

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17-04-01
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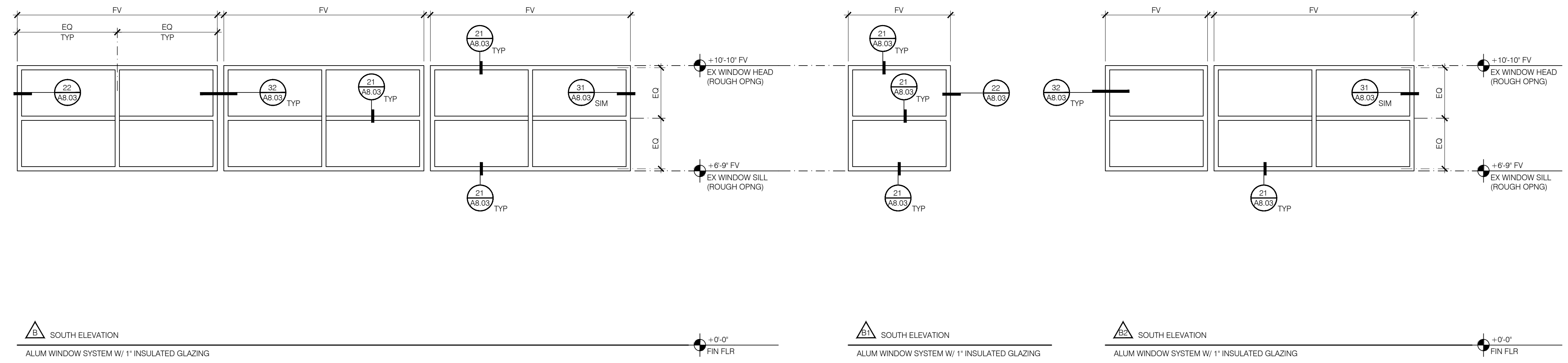
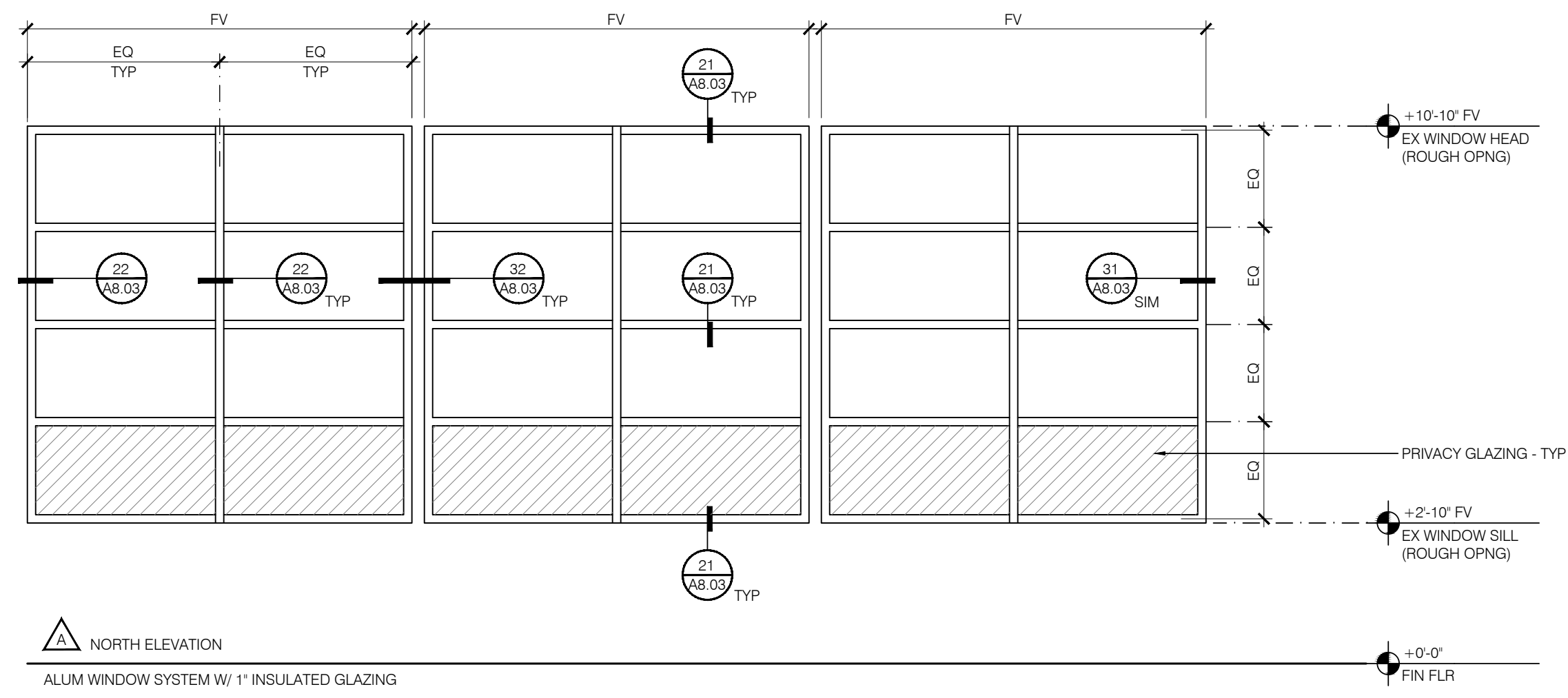
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PARTIAL SITE PLANS

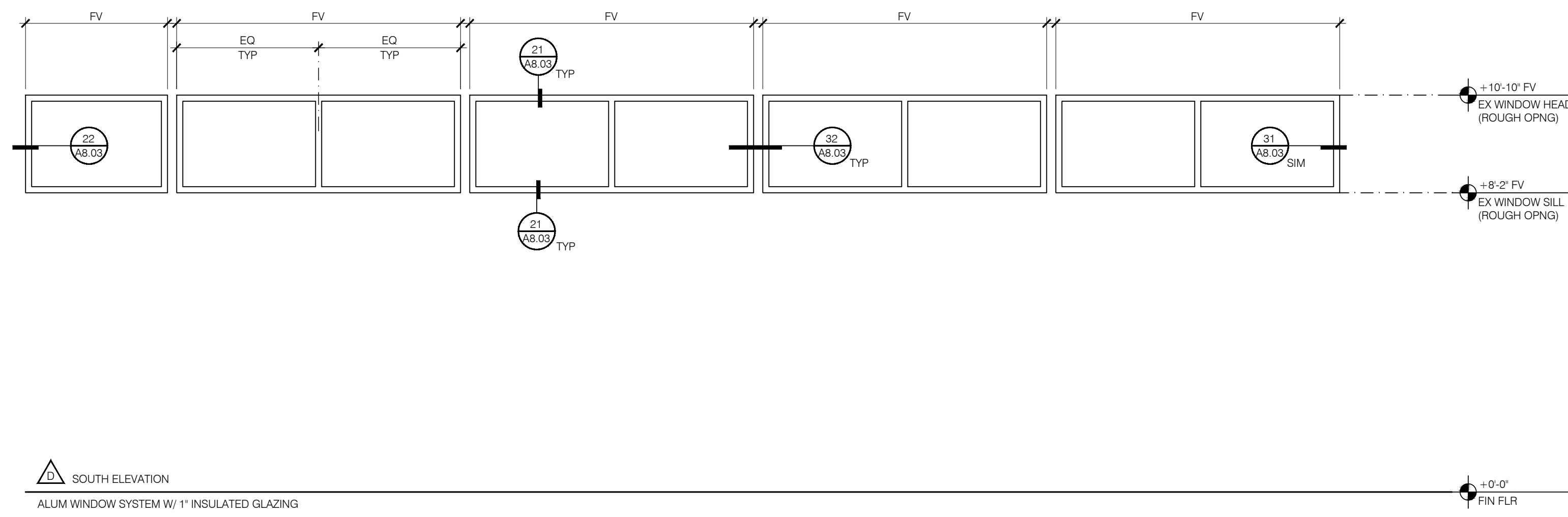
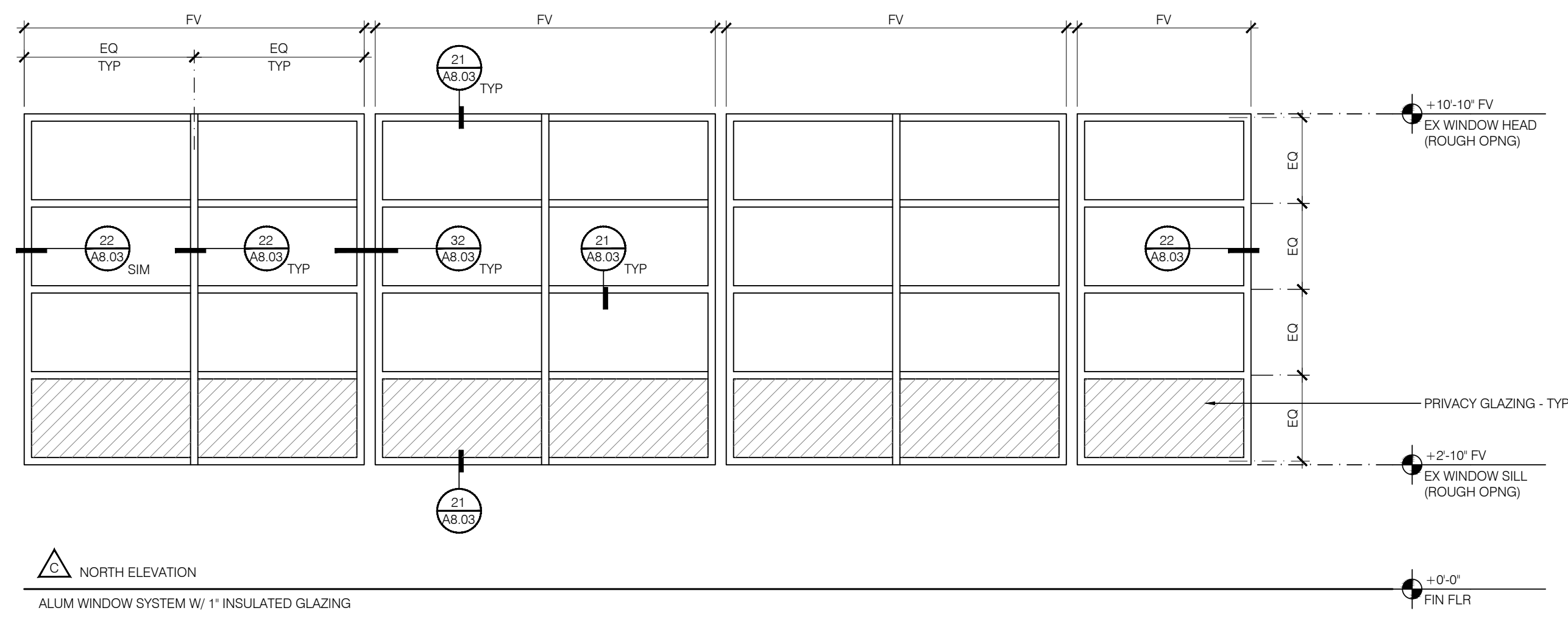
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17-04-03



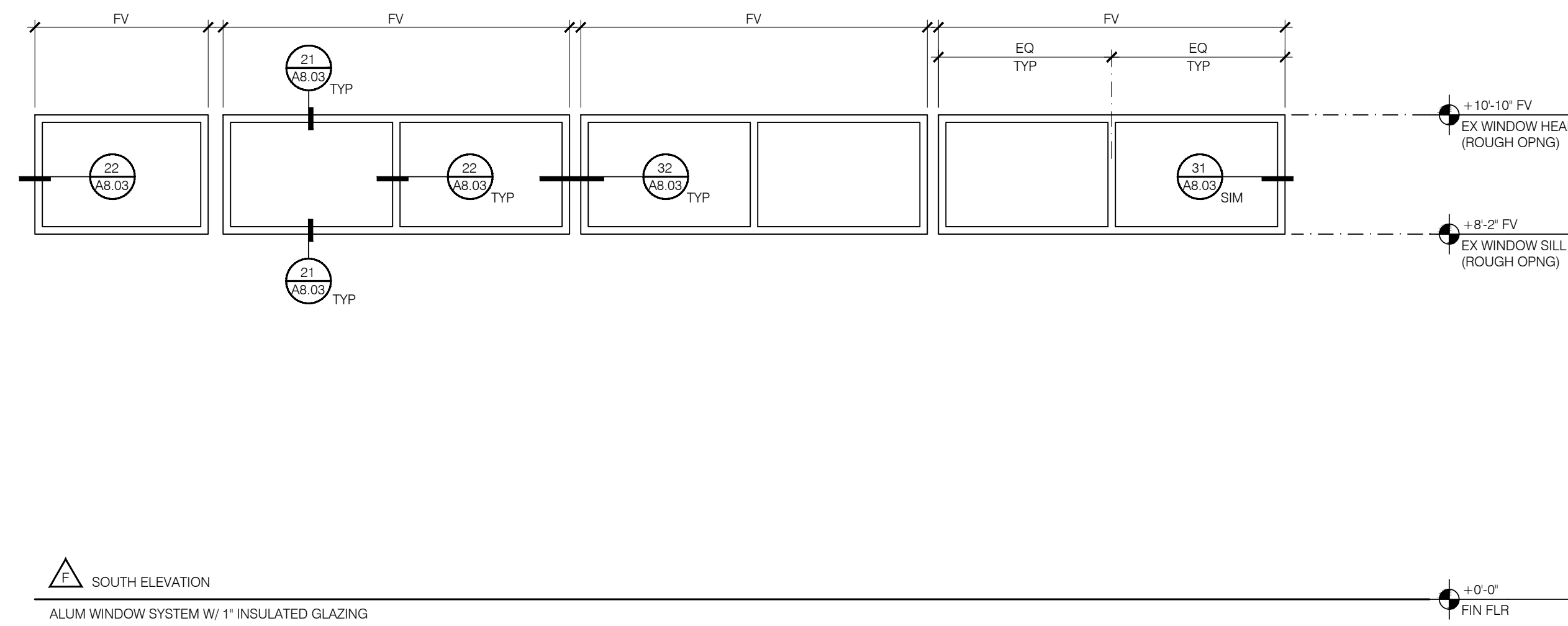
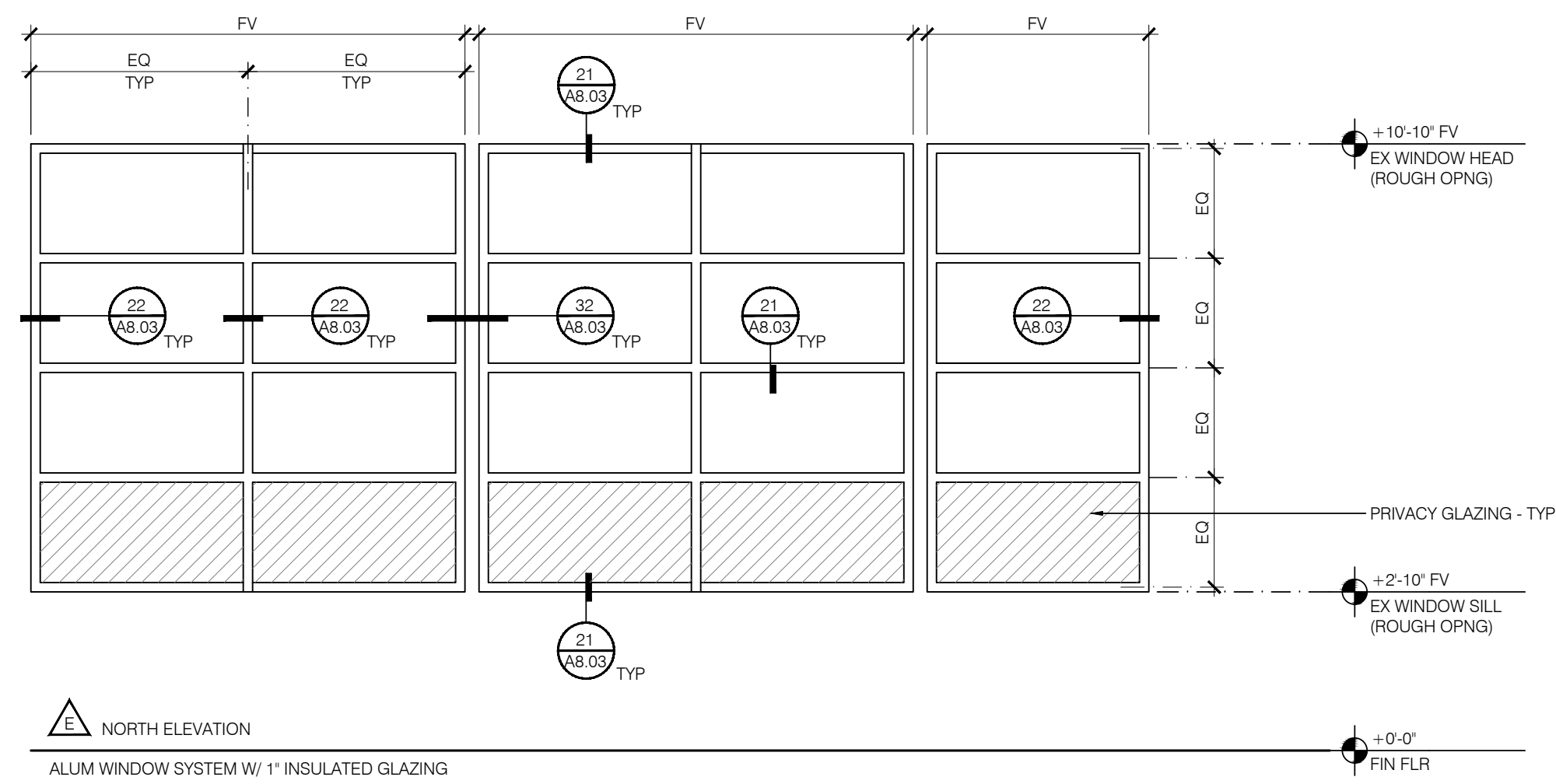
Buildings - C, D, & E - Similar Classrooms (Similar)

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



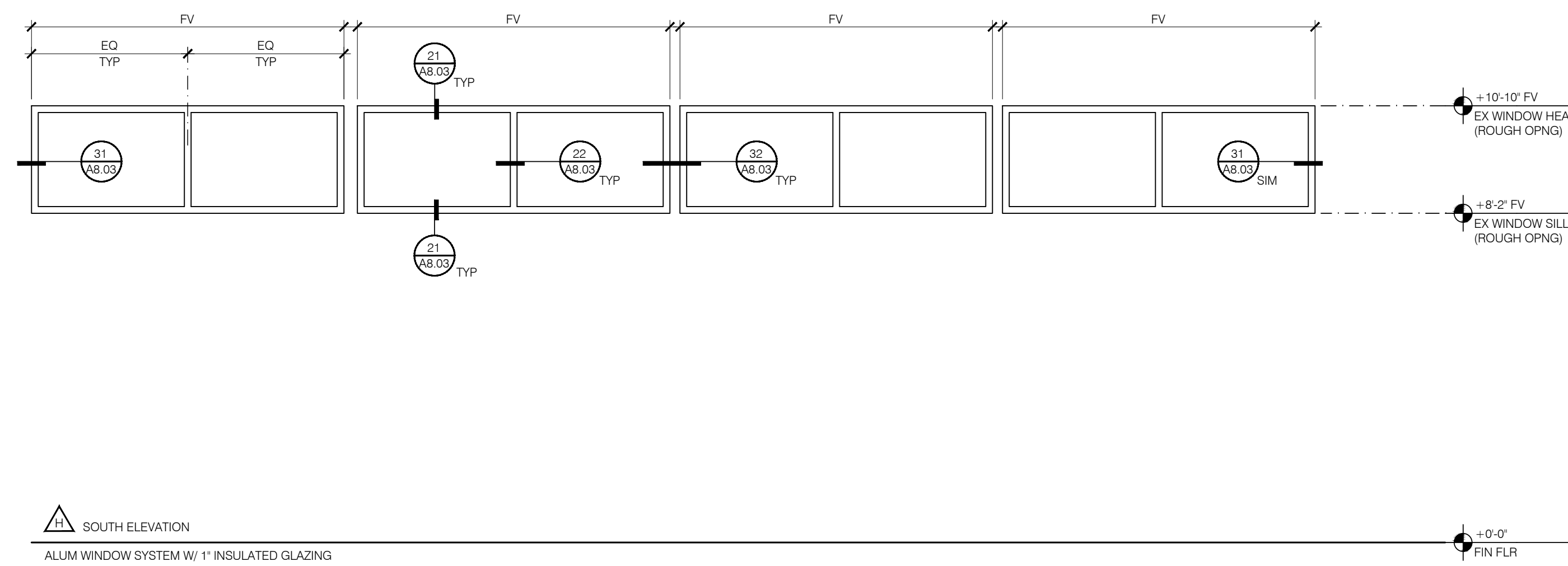
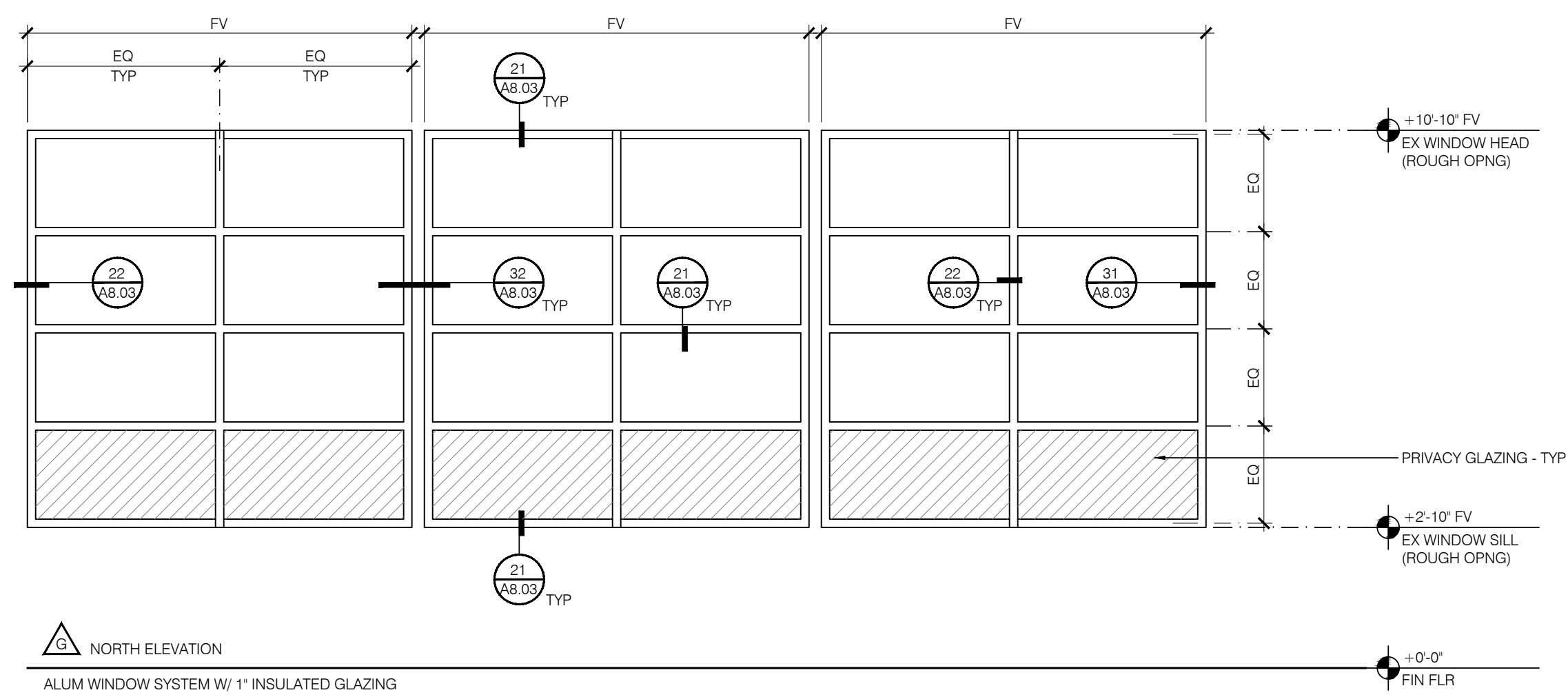
Building F - F1 Classroom

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



Building F - F2 Classroom

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



Building F - F3 Classroom

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122640 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 11/09/2023



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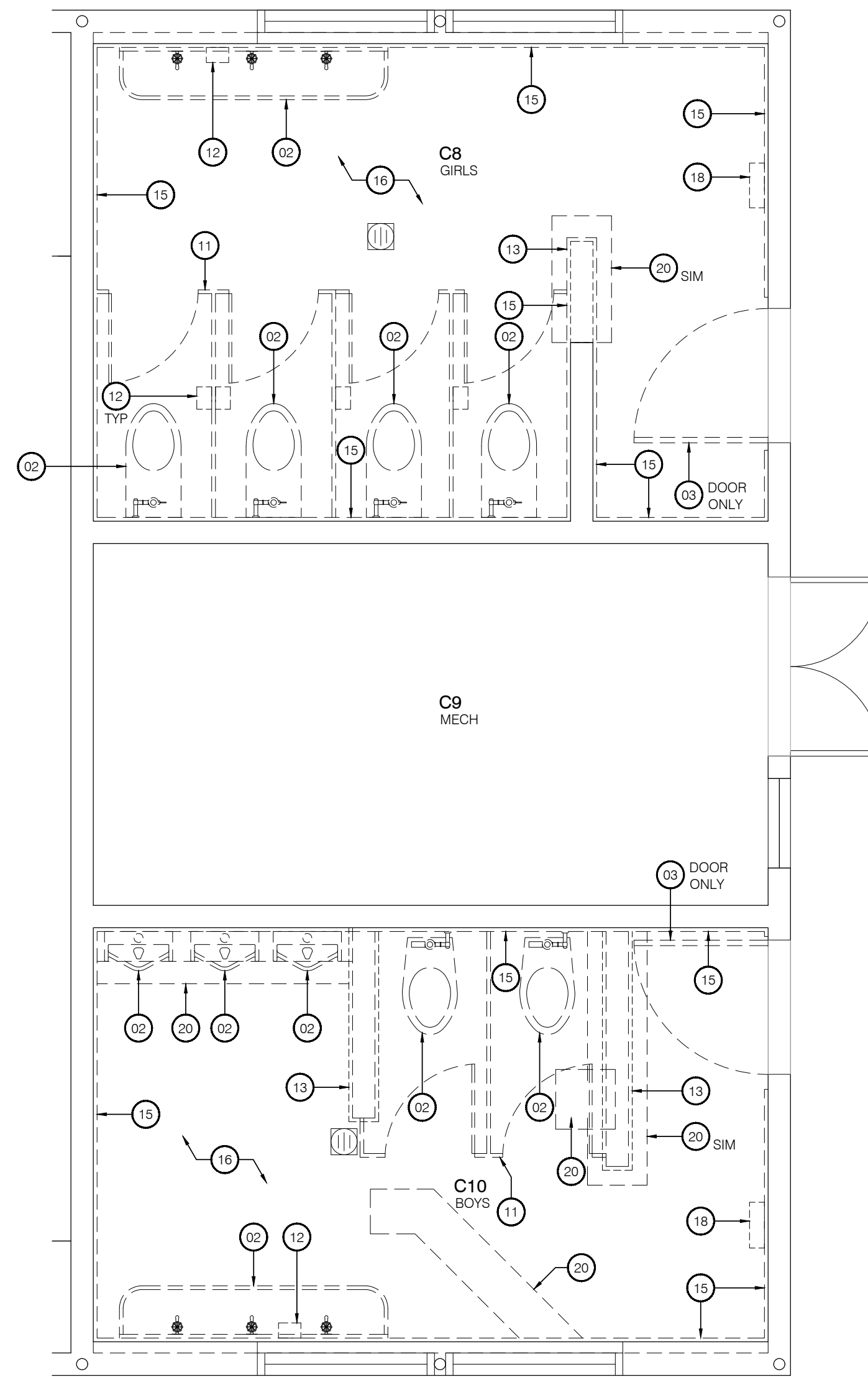
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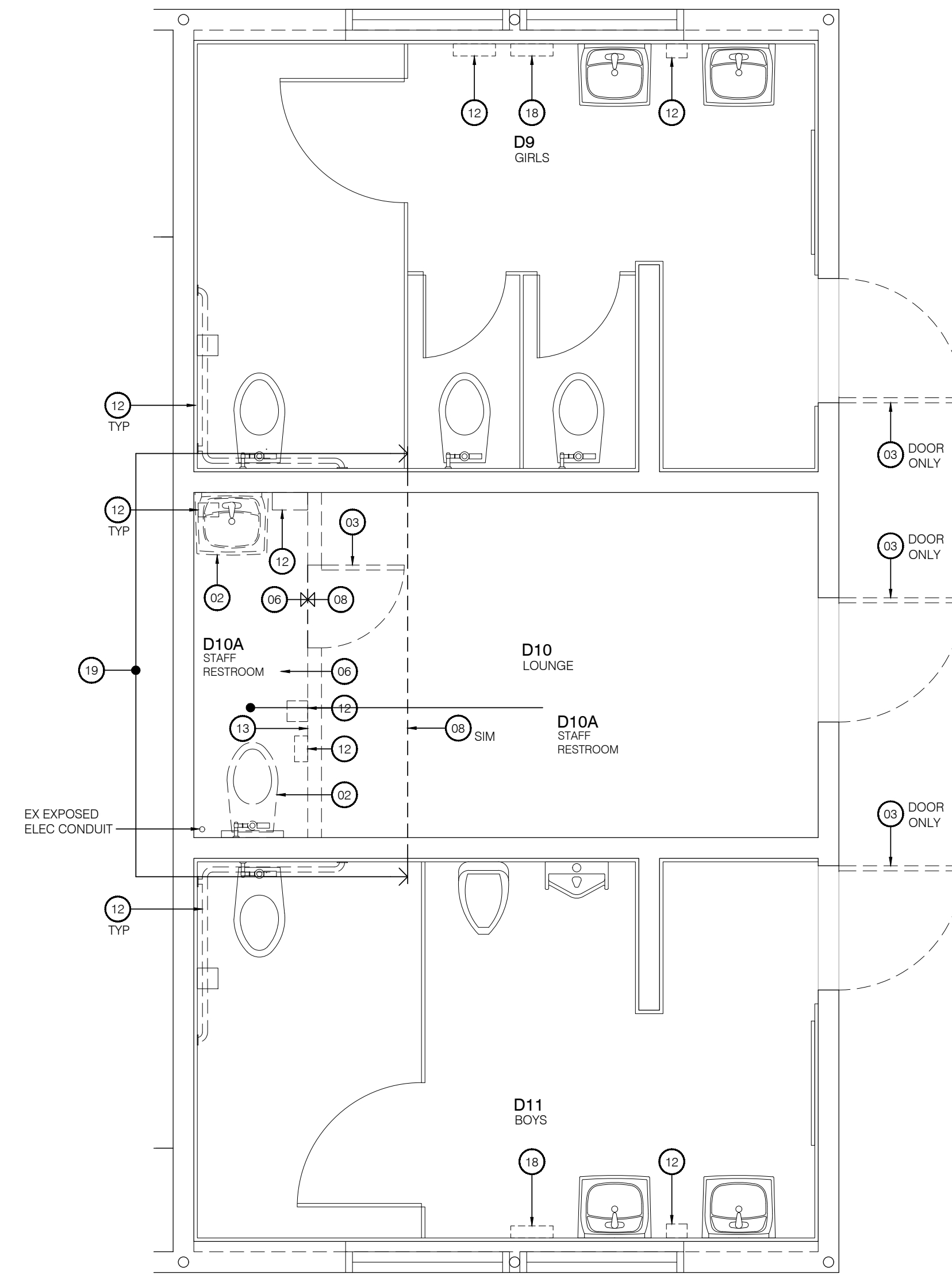
WINDOW SCHEDULE

A2.02



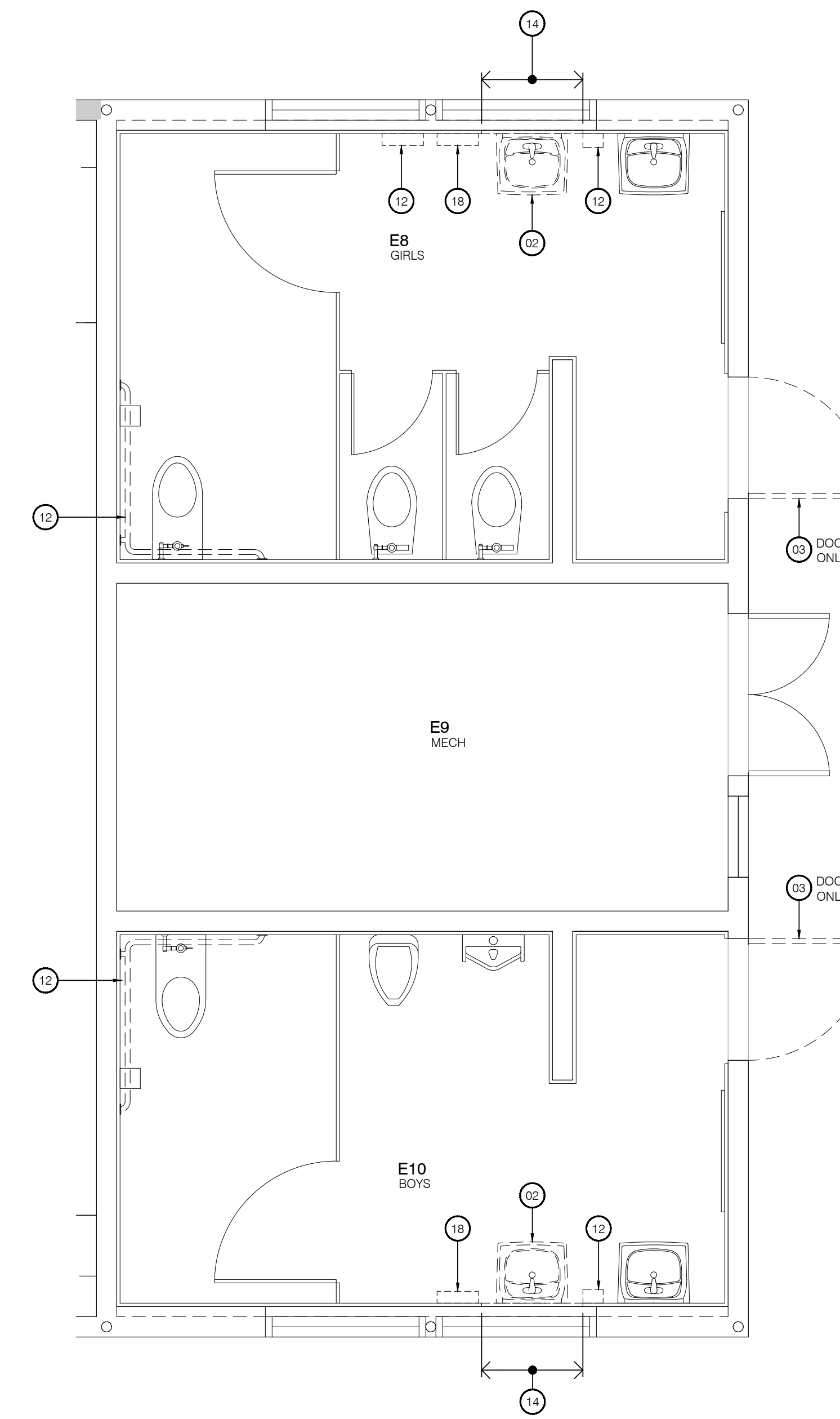
A. Partial Demolition Floor Plan

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



B. Partial Demolition Floor Plan

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



C. Partial Demolition Floor Plan

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

DEMOLITION FLOOR PLAN LEGEND

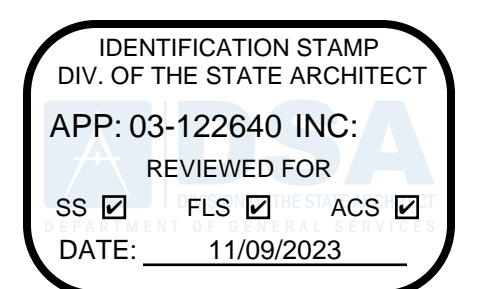
Line Style	Description
---	EX WALL TO REMAIN
- - - - -	EX WALL TO BE REMOVED
- · - · - ·	EX ITEM TO BE REMOVED (DASHED LINE)

GENERAL DEMOLITION NOTES

- SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION ON ITEMS TO BE REMOVED.
- REMOVE EX ANCHORS, CONNECTORS, FASTENERS ETC. AT ITEMS INDICATED TO BE REMOVED.
- REMOVE AND SALVAGE EX FLOOR MTD DOOR STOPS AT FLOORING INDICATED TO BE REMOVED.
- REMOVE AND SALVAGE EX DOOR THRESHOLDS AT FLOORING INDICATED TO BE REMOVED.
- REMOVE EX ELECTRICAL CONDUIT, BOXES AND DEVICES AT WALLS INDICATED TO BE REMOVED-SEE ELEC SHTS FOR ADDITIONAL INFO.
- REMOVE EX UTILITY LINES AT WALLS INDICATED TO BE REMOVED-SEE MECH SHTS FOR ADDITIONAL INFO.
- SEE DEMOLITION REFLECTED CLG PLAN FOR ADDITIONAL INFORMATION ON ITEMS TO BE REMOVED.
- EXISTING ACCESSORIES LOCATED IN ROOMS TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION UNO.
- GRIND EX CONC FLOOR AS REQ TO RECEIVE FLOOR FINISHES.
- EXISTING ROOM SIGNAGE TO BE REMOVED, SALVAGE AND DELIVERED TO OWNER INCLUDING EXT DOOR SIGNAGE WH/ OCCURS.
- EQUIPMENT, MATERIALS AND SUPPLIES TEMPORARILY REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.
- CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT, UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE SMALLER AREA IF POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK.
- EX DOOR HARDWARE TO BE SALVAGED AND DELIVERED TO OWNER WHERE INDICATED TO BE REMOVED.
- SEE ELEC, MECH, AND PLBG SHTS FOR ADDITIONAL DEMOLITION REGS.
- SEE ROOF PLAN FOR ADDITIONAL INFORMATION ON ITEMS TO BE REMOVED.
- SEAL EX HVAC DUCTWORK TO REMAIN IN AREA OF CONSTRUCTION PRIOR TO START OF CONSTRUCTION.

DEMOLITION FLOOR PLAN KEYNOTES

- 11 REMOVE EX HVAC EQUIPMENT, WALL LDUVER AND ASSOCIATED PIPING - SEE MECH SHTS FOR ADDIT INFO
- 12 REMOVE EX PLBG FIXTURE, HARDWARE AND ASSOCIATED PIPING - SEE MECHANICAL SHTS FOR ADDIT INFO. SALVAGE FOR REINSTALLATION WH/ NOTED
- 13 REMOVE EXISTING DOOR, FRAME AND ASSOCIATED HARDWARE
- 14 REMOVE EX WINDOW(S) SYSTEM AND ASSOCIATED HARDWARE
- 15 REMOVE EX CABINET(S)/SHELF AND ASSOCIATED HARDWARE
- 16 REMOVE EX UCMT, SETTING BED AND TILE BASE
- 17 REMOVE EX CARPET TILE AND ADHESIVE AS REQUIRED FOR CABINETRY REPLACEMENT. REMOVE EX HD CARPET TILE AND ADHESIVE AT REMOVED DOOR WH/OCCURS.
- 18 REMOVE EX CPT AND BASE
- 19 NOT USED
- 20 NOT USED
- 21 REMOVE EX TOILET PARTITION SYSTEM AND ASSOCIATED HARDWARE
- 22 REMOVE EX TOILET ACCESSORY AND ASSOCIATED ANCHORS
- 23 REMOVE EX PARTITION WALL, CURB, AND ASSOCIATED ANCHORS
- 24 REMOVE EX TILE WALL FINISH AS REQUIRED TO COMPLETE ALTERATIONS. SEE INT ELEVATIONS FOR ADDIT INFO
- 25 REMOVE EX WALL TILE FINISH - SEE INT ELEVATIONS FOR ADDIT INFO
- 26 REMOVE EX UCMT AND SETTING BED
- 27 NOT USED
- 28 REMOVE EX ELEC HAND DRYER AND EXPOSED CONDUIT AND PIPING - SEE ELEC SHTS FOR ADDIT INFO.
- 29 REMOVE EX WALL FINISH AS REQUIRED TO COMPLETE ALTERATIONS - SEE INT ELEVATIONS FOR ADDIT INFO.
- 30 SAWCUT AND REMOVE EX CONC SLAB AS REQUIRED FOR PLBG ALTERATIONS



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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School
807 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



CONSULTANT

PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15.6
DSA No	03-122640

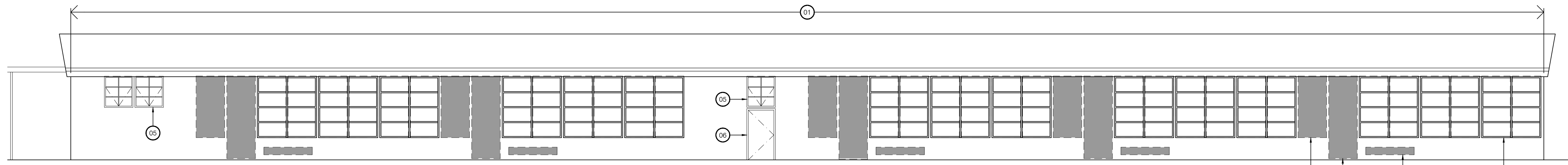
REVISIONS

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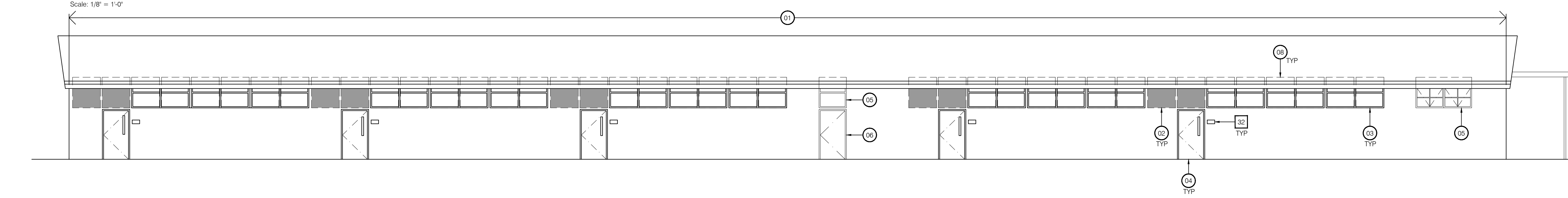
PARTIAL DEMOLITION FLOOR PLANS

A2.11



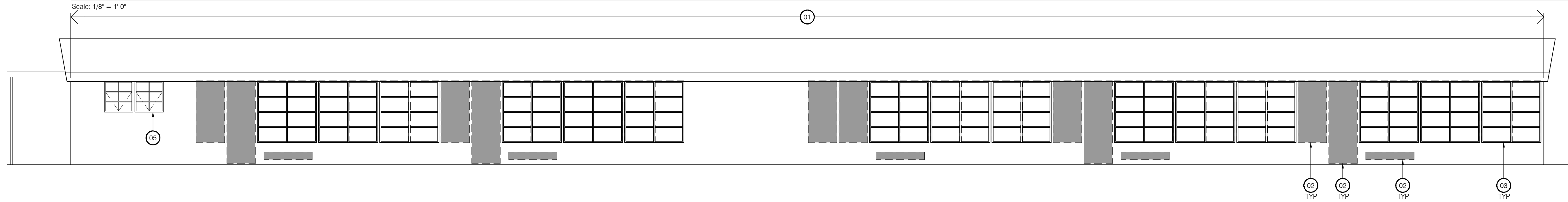
North Elevation- Building C

Scale: 1/8" = 1'-0"



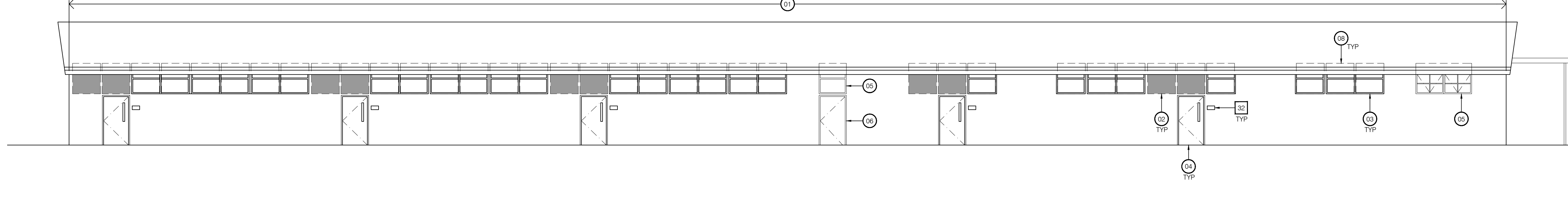
South Elevation- Building C

Scale: 1/8" = 1'-0"



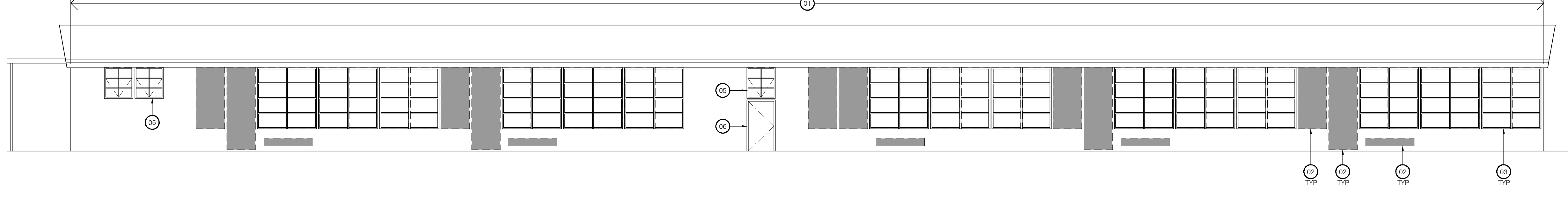
North Elevation- Building D

Scale: 1/8" = 1'-0"



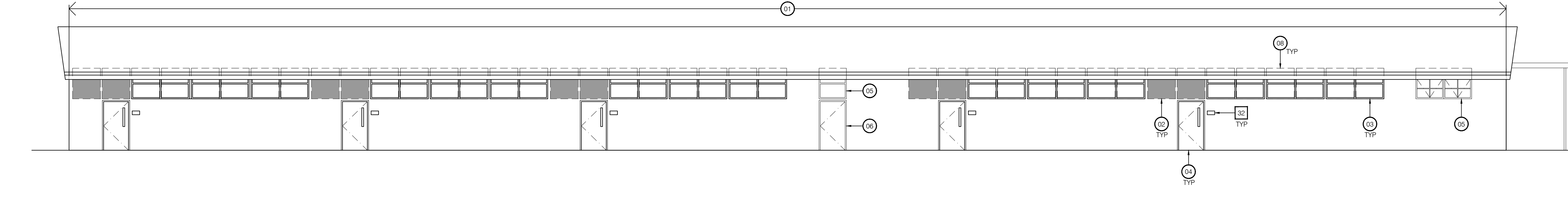
South Elevation- Building D

Scale: 1/8" = 1'-0"



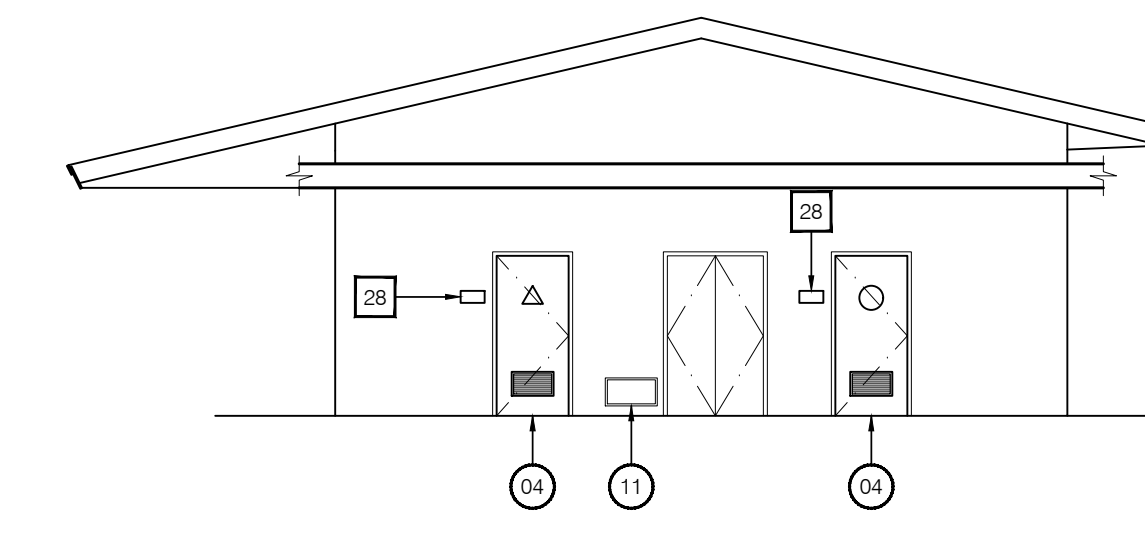
North Elevation- Building E

Scale: 1/8" = 1'-0"



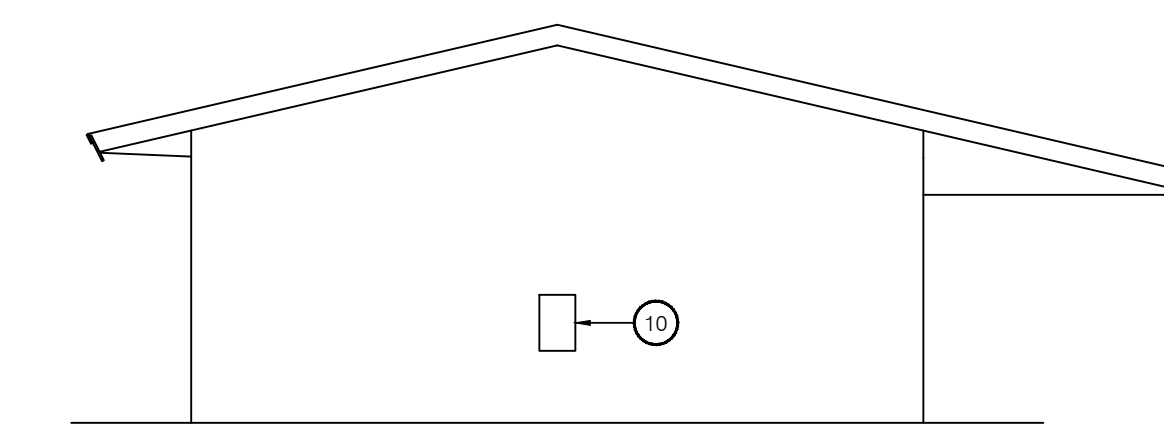
South Elevation- Building E

Scale: 1/8" = 1'-0"



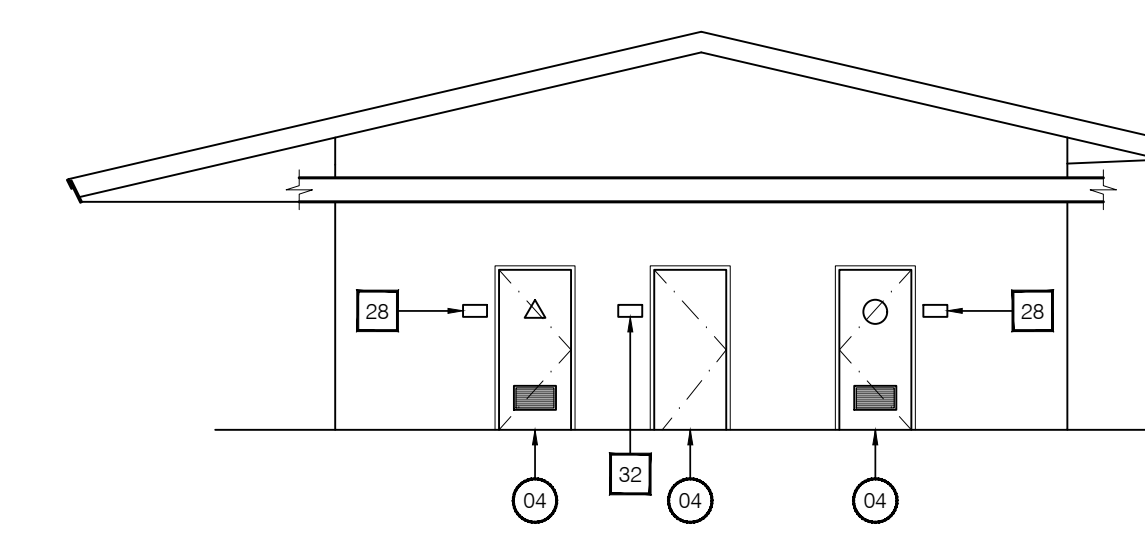
East Elevation- Building C

Scale: 1/8" = 1'-0"



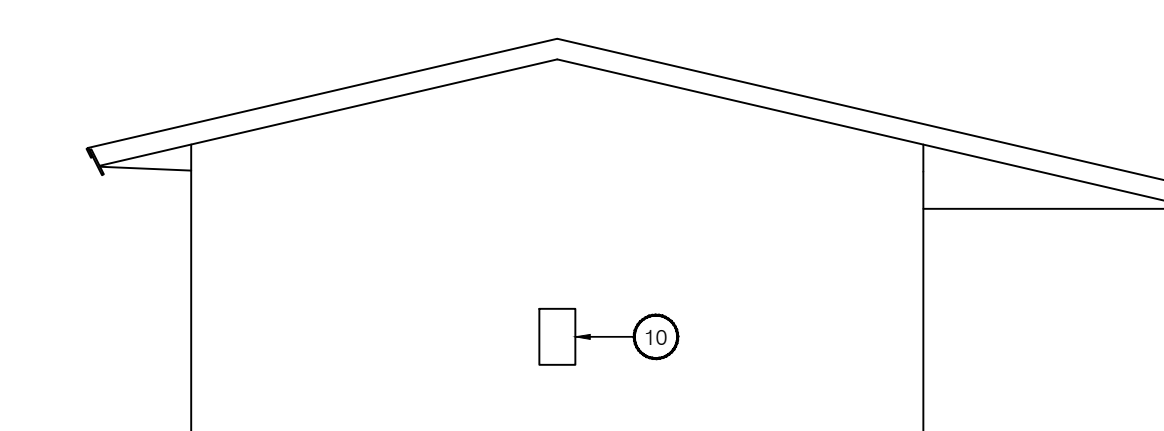
West Elevation- Building C

Scale: 1/8" = 1'-0"



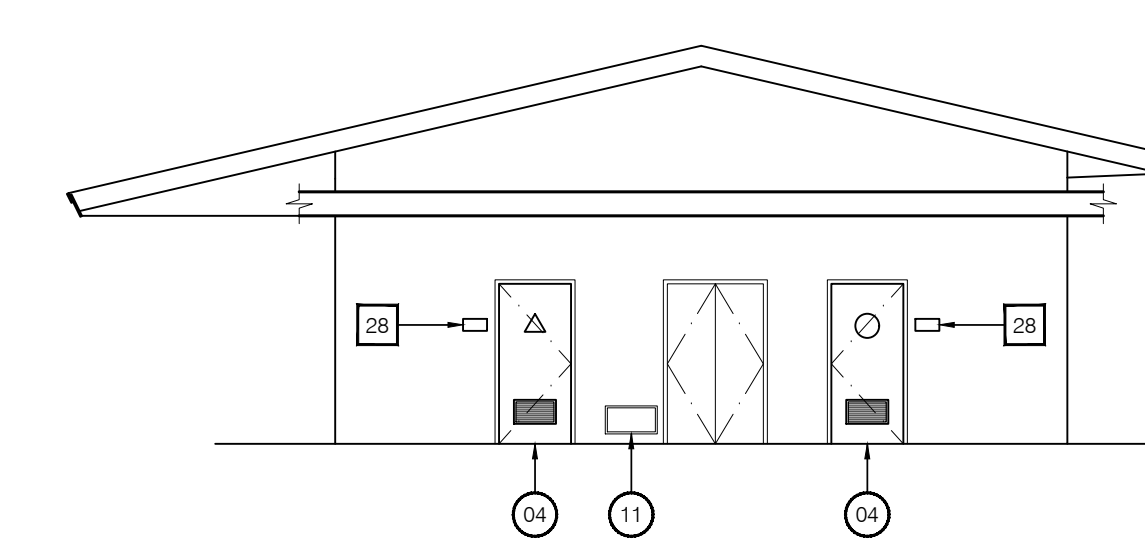
East Elevation- Building D

Scale: 1/8" = 1'-0"



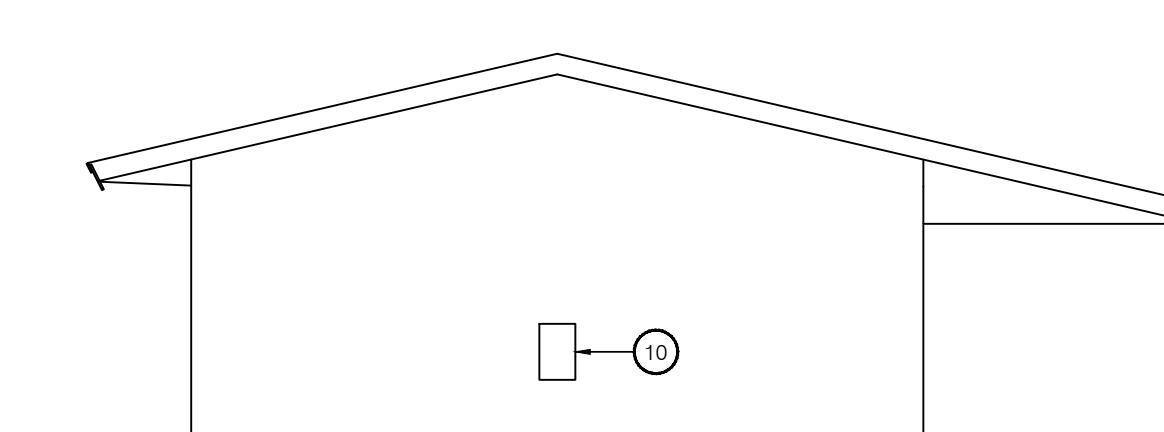
West Elevation- Building D

Scale: 1/8" = 1'-0"



East Elevation- Building E

Scale: 1/8" = 1'-0"



West Elevation- Building E

Scale: 1/8" = 1'-0"

EXTERIOR ELEVATIONS KEYNOTES

- 01 EX CEM PLAS FIN AT EXT WALL - PAINT FULL HT
- 02 CEM PLAS FINISH OVER WD STUD INFILL FRMS - FIN TO MATCH EX
- 03 ALUM WINDOW SYSTEM - SEE WINDOW SCHEDULE FOR ADDIT INFO
- 04 HM DOOR AND FRAME - PAINT
- 05 EX WINDOW SYSTEM AND FRAME - PAINT
- 06 EX DOOR AND FRAME - PAINT
- 07 MECH DUCTWORK - SEE MECH SHTS FOR ADDIT INFO
- 08 LINE OF WINDOW SYSTEM BEYOND
- 09 HM DOOR AND EX FRAME - PAINT
- 10 ELEC PANEL - SEE ELEC SHTS FOR ADDIT INFO
- 11 EX LOUVER

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122640 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/09/2023



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CAMPUS HVAC
 SYSTEM UPGRADE

Fremont Magnet
 Elementary School
 607 Texas St Bakersfield, CA 93307
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
 ARCHITECT C-19670

CONSULTANT

PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15.6
DSA No	03-122640

REVISIONS

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 EXTERIOR ELEVATIONS

A4.00

EXTERIOR ELEVATIONS KEYNOTES

- 11 EX CEM PLAS FIN AT EXT WALL - PAINT FULL HT
- 12 CEM PLAS FINISH OVER WD STUD INFILL FRMS - FIN TO MATCH EX
- 13 ALUM WINDOW SYSTEM - SEE WINDOW SCHEDULE FOR ADDIT INFO
- 14 HM DOOR AND FRAME - PAINT
- 15 EX WINDOW SYSTEM AND FRAME - PAINT
- 16 EX DOOR AND FRAME - PAINT
- 17 MECH DUCTWORK - SEE MECH SHTS FOR ADDIT INFO
- 18 LINE OF WINDOW SYSTEM BEYOND
- 19 HM DOOR AND EX FRAME - PAINT
- 20 ELEC PANEL - SEE ELEC SHTS FOR ADDIT INFO
- 21 EX LOUVER

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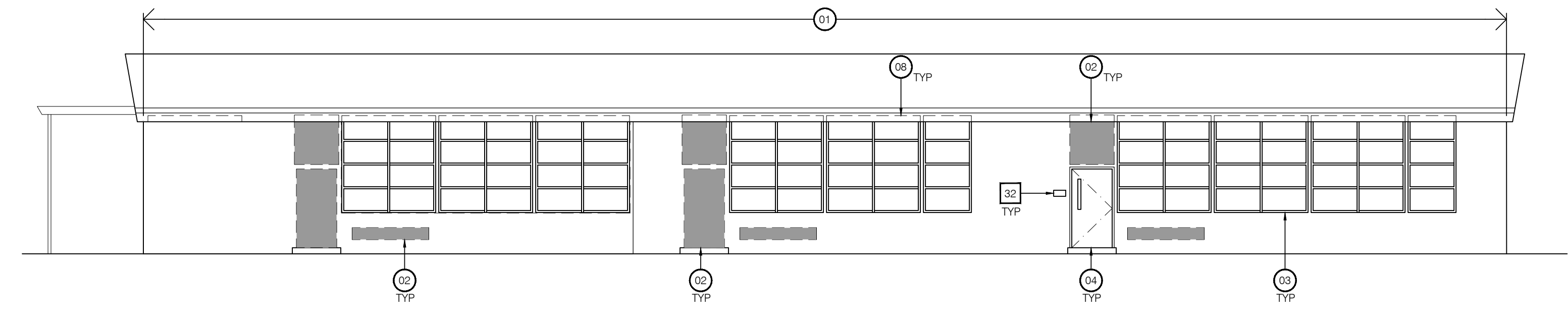
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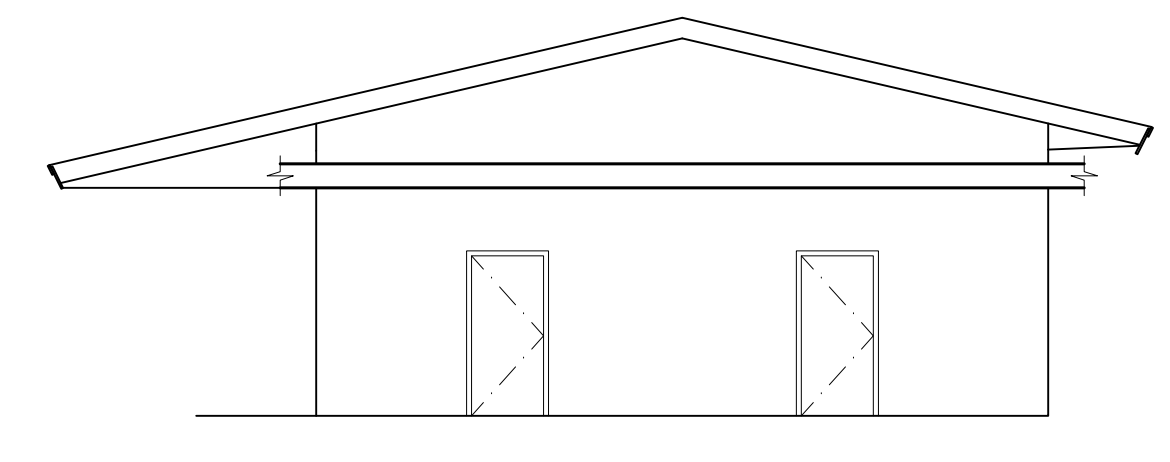
EXTERIOR ELEVATIONS

A4.01



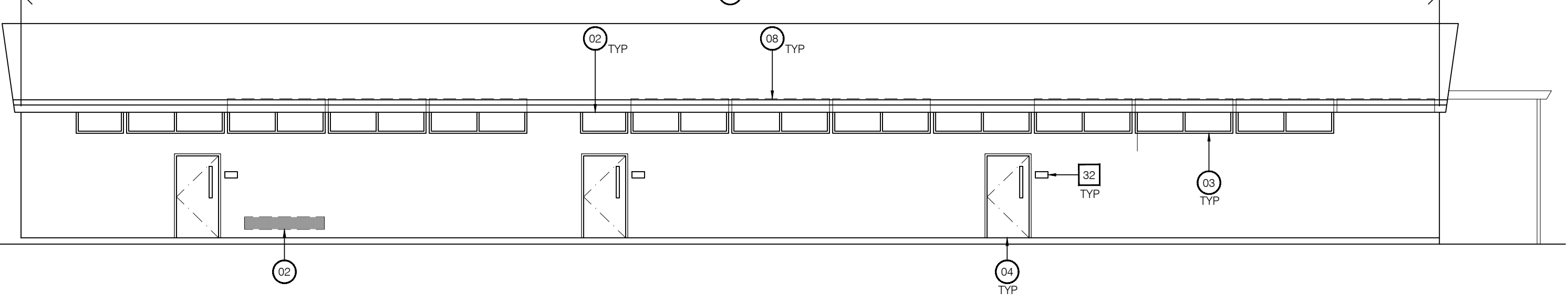
North Elevation- Building F

Scale: 1/8" = 1'-0"



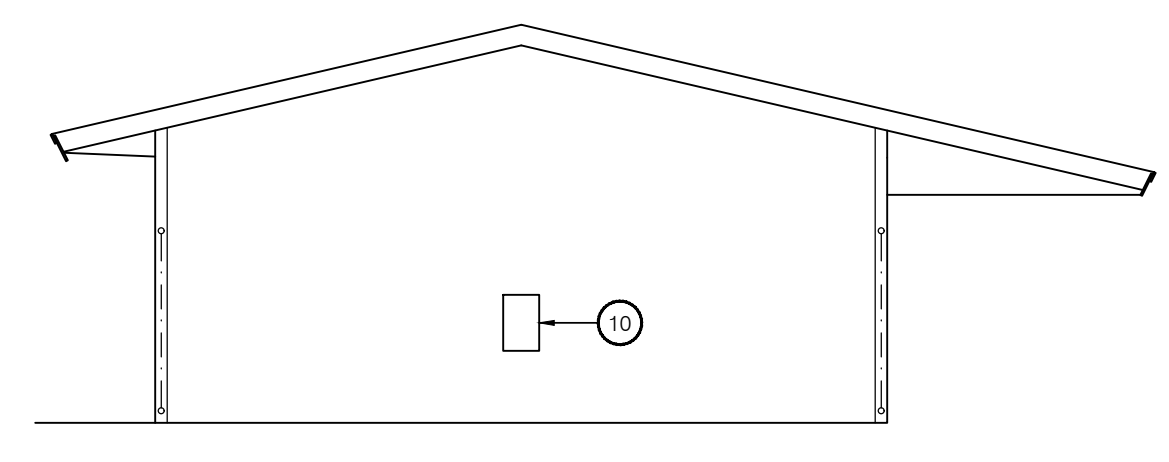
East Elevation- Building F

Scale: 1/8" = 1'-0"



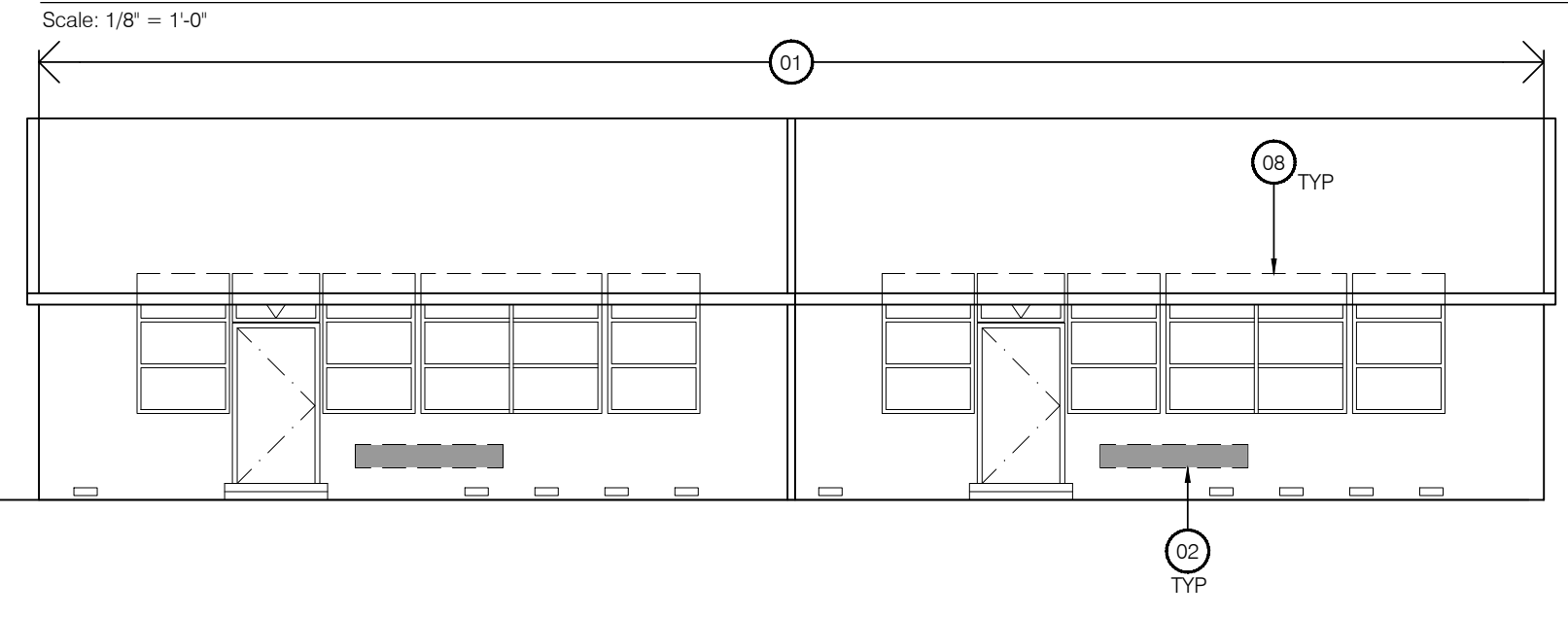
South Elevation- Building F

Scale: 1/8" = 1'-0"



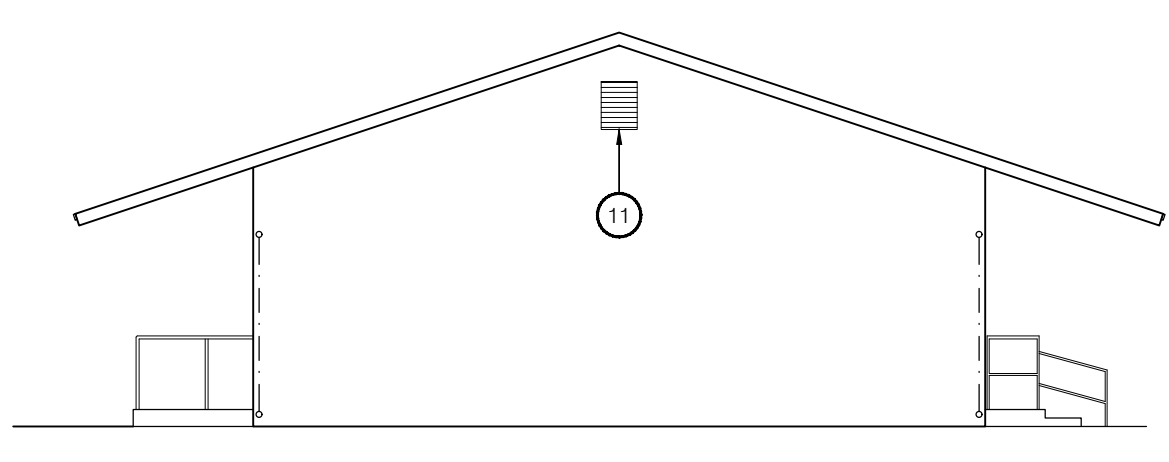
West Elevation- Building F

Scale: 1/8" = 1'-0"



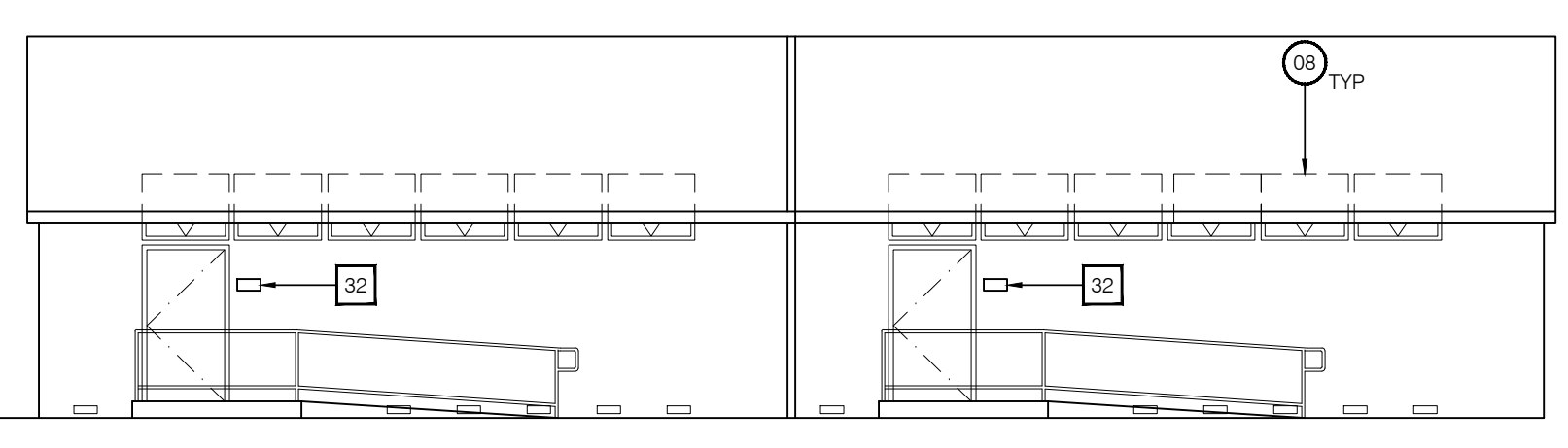
North Elevation- Building R19/R20

Scale: 1/8" = 1'-0"



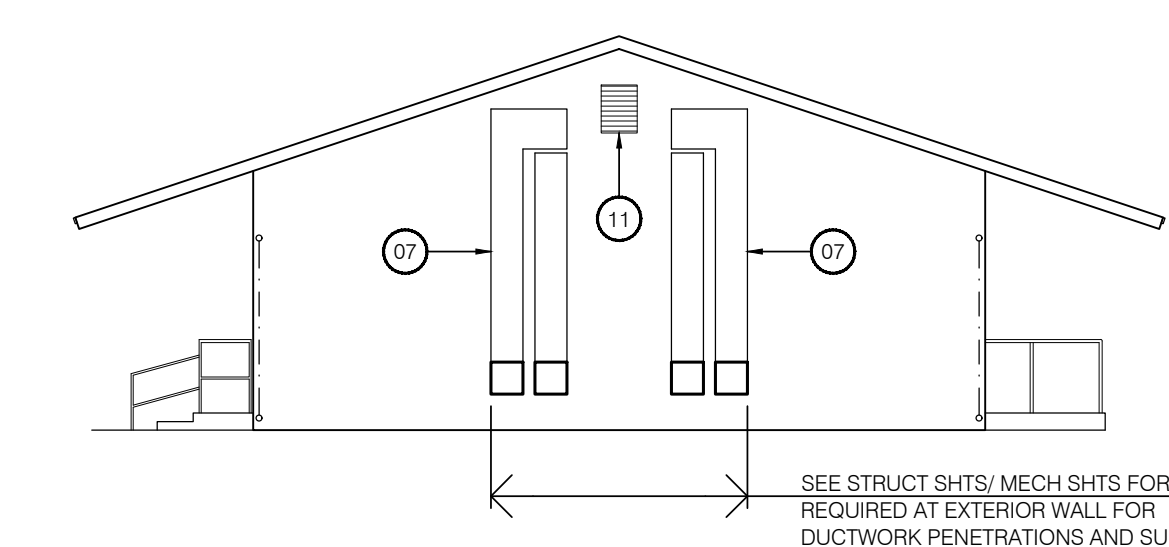
East Elevation- Building R19/R20

Scale: 1/8" = 1'-0"



South Elevation- Building R19/R20

Scale: 1/8" = 1'-0"



West Elevation- Building R19/R20

Scale: 1/8" = 1'-0"

SEE STRICT SHTS/ MECH SHTS FOR WORK REQUIRED AT EXTERIOR WALL FOR DUCTWORK PENETRATIONS AND SUPPORT

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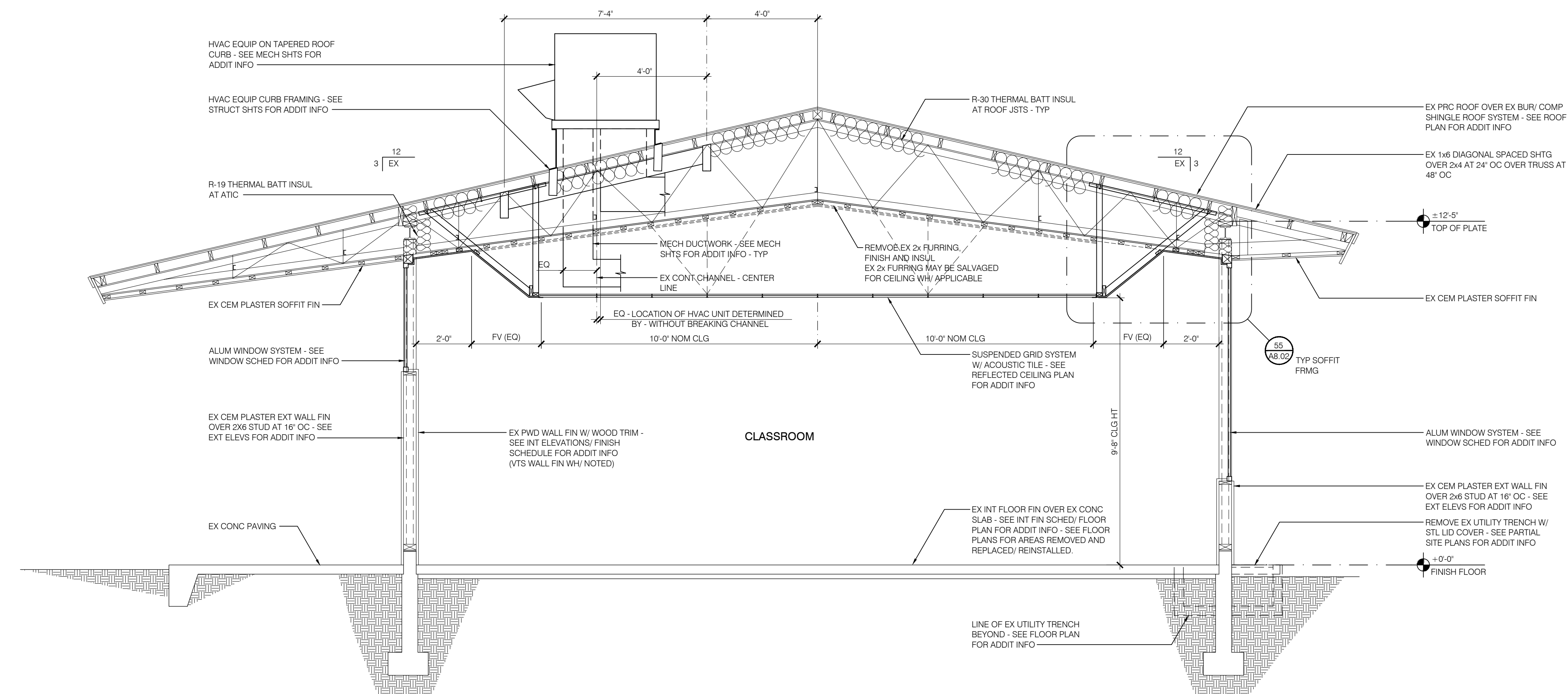
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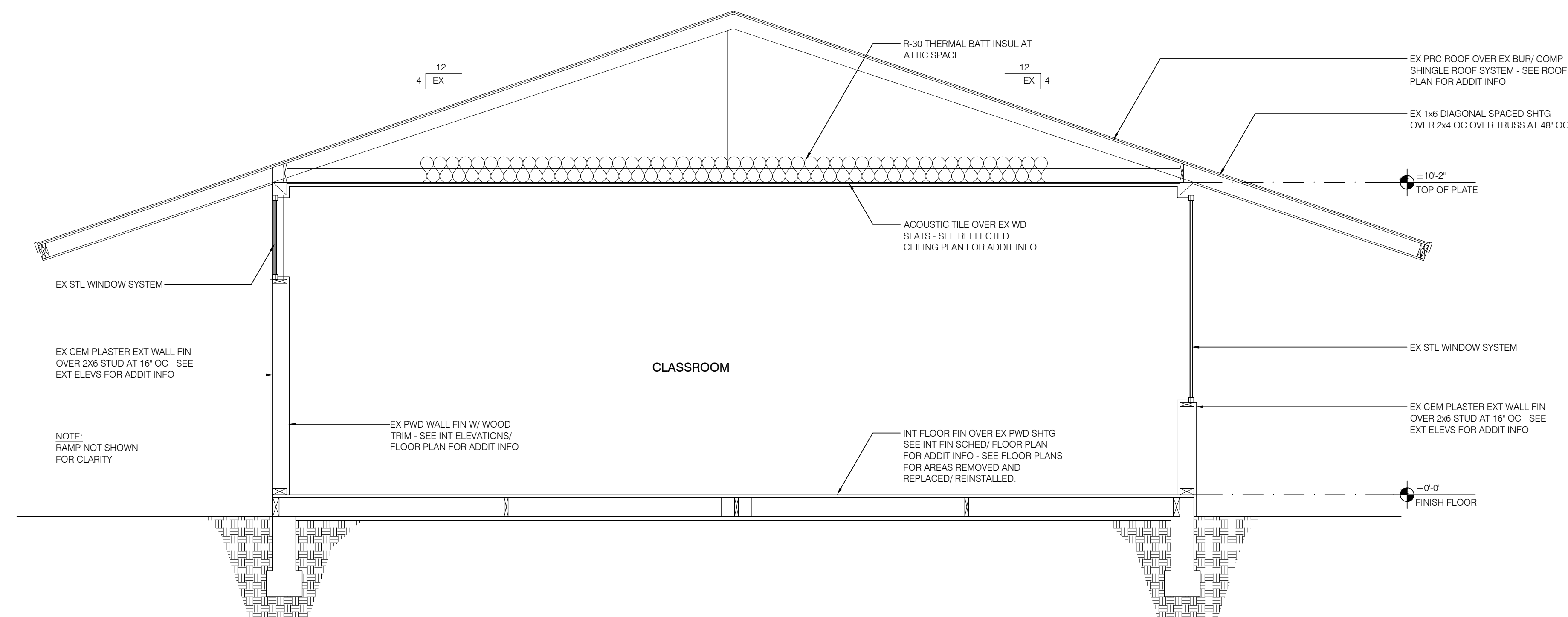
BUILDING SECTIONS

A4.10



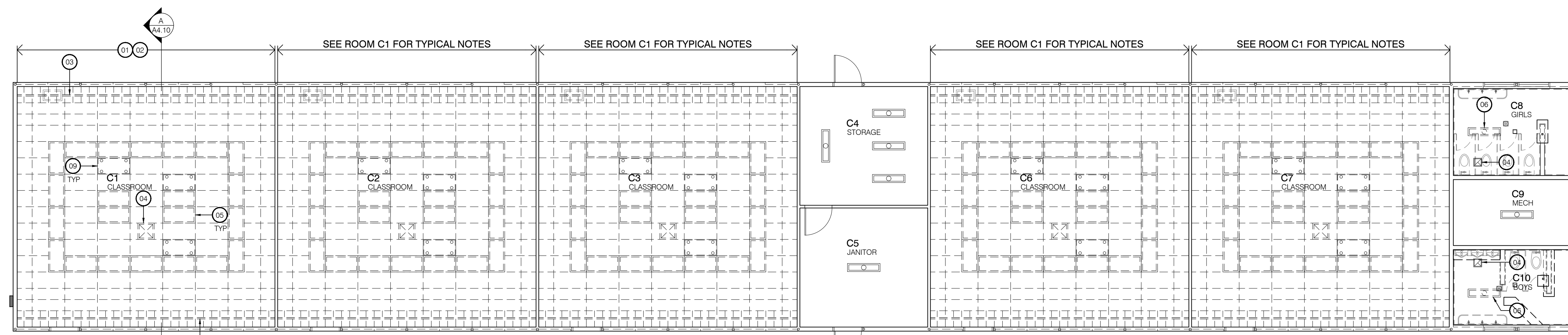
A. Classroom Building Section (Typical Buildings C,D,E, F)

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



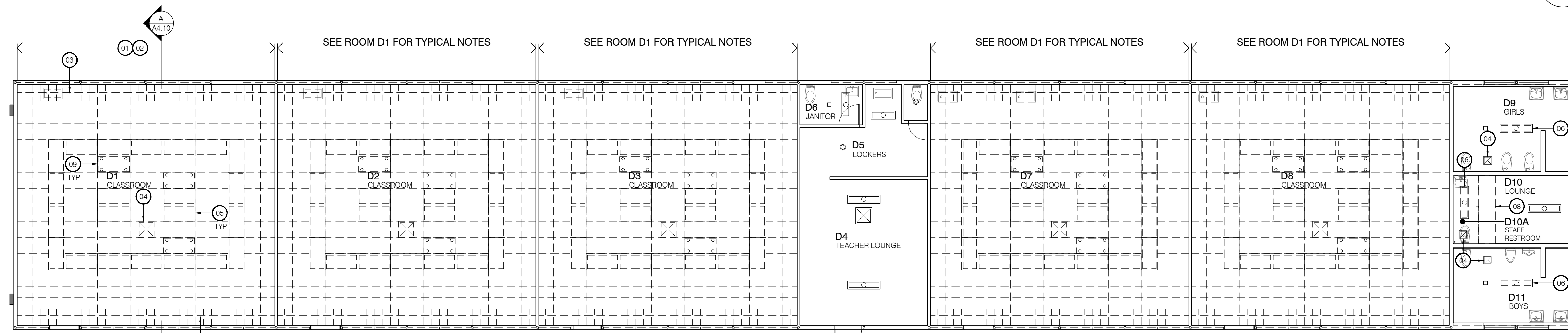
B. Classroom Building Section (Typical Buildings R19, R20)

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



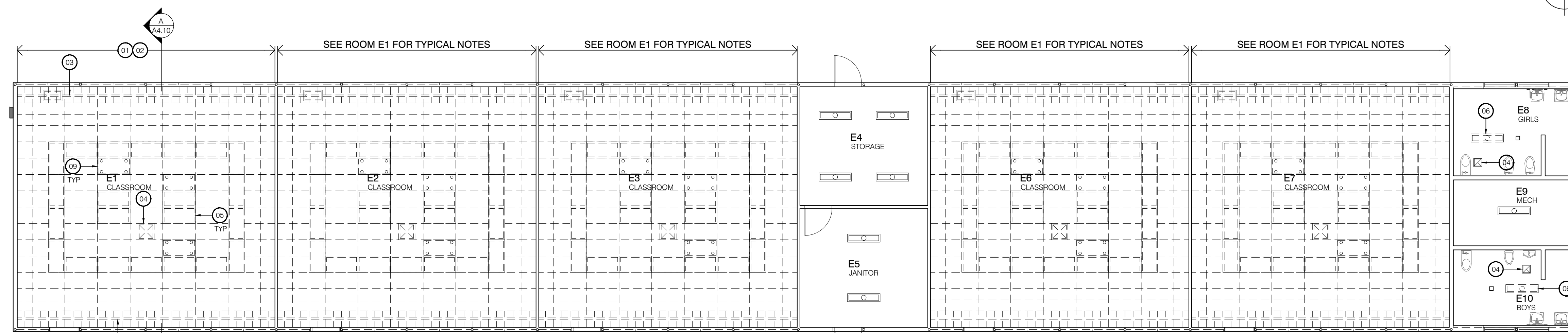
A. Demolition Reflected Ceiling Plan - Building C

Scale: 1/8" = 1'-0"



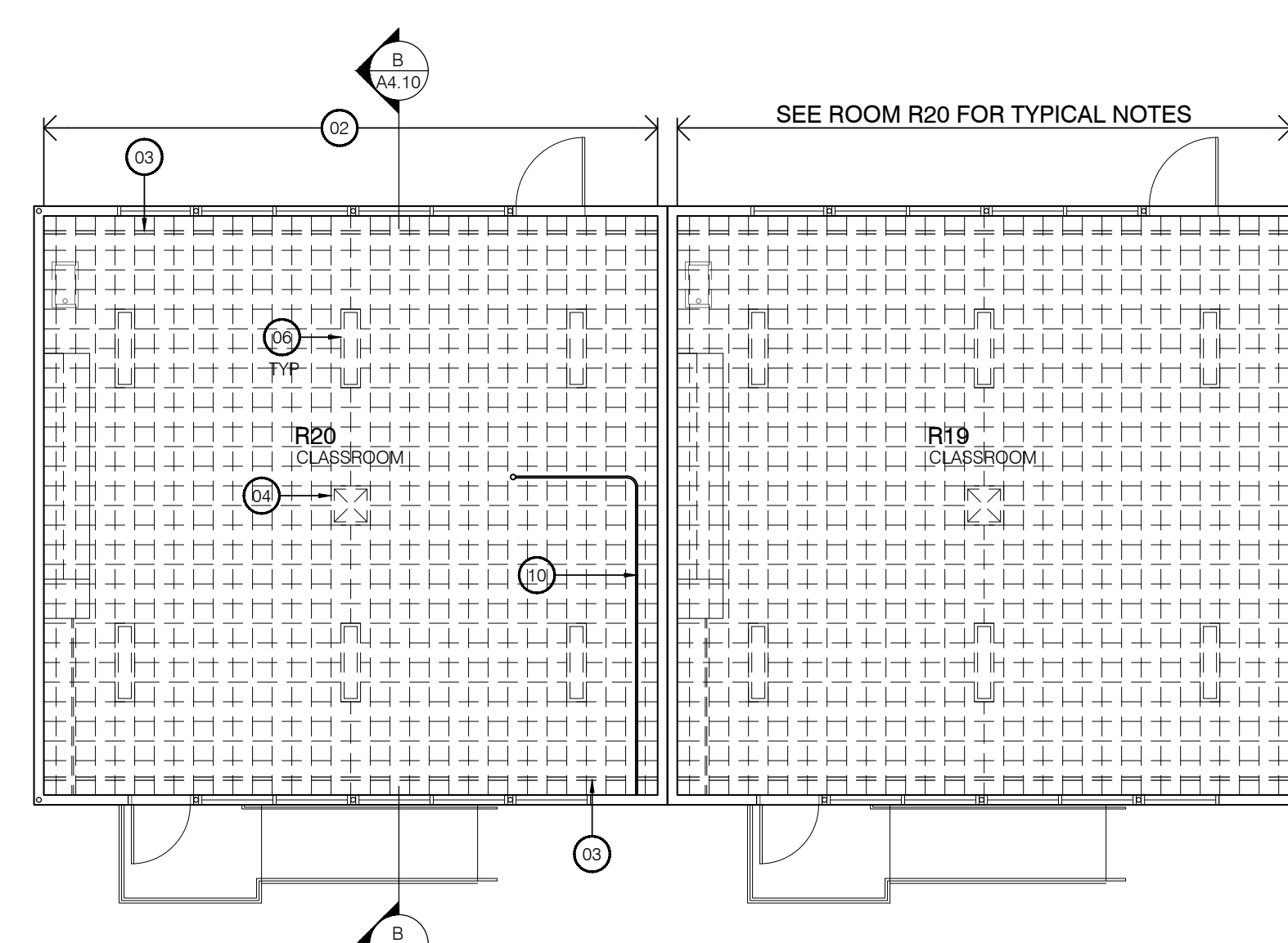
B. Demolition Reflected Ceiling Plan - Building D

Scale: 1/8" = 1'-0"



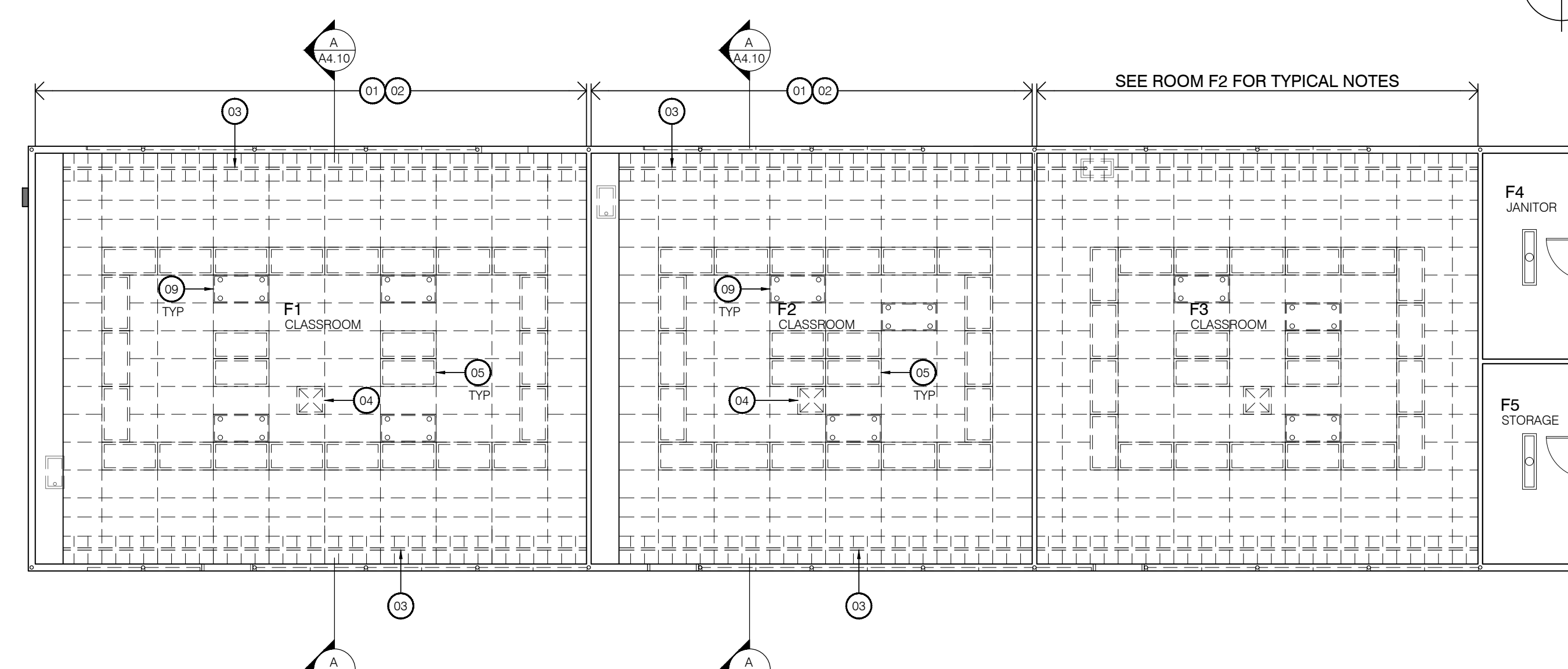
C. Demolition Reflected Ceiling Plan - Building E

Scale: 1/8" = 1'-0"



E. Demolition Reflected Ceiling Plan - Building R19/R20

Scale: 1/8" = 1'-0"



D. Demolition Reflected Ceiling Plan - Building F

Scale: 1/8" = 1'-0"

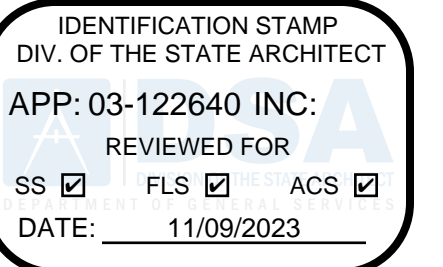
GENERAL CLG DEMOLITION NOTES

1. REMOVE EX LIGHT FIXTURES, HGRS AND ASSOC CONNECTORS AT EX CLGS INDICATED TO BE REMOVED. SEE ELEC SHTS FOR ADDIT INFO.
2. REMOVE EX HVAC REGISTERS, HGRS AND ASSOC CONNECTORS AT EX CLGS INDICATED TO BE REMOVED. SEE MECH SHTS FOR ADDIT INFO.
3. REMOVE EX INSULATION AT CLGS INDICATED TO BE REMOVED.
4. REMOVE EX ANCHORS, CONNECTORS, FASTENERS, ETC. AT ITEMS INDICATED TO BE REMOVED.
5. REMOVE EX ELEC CONDUIT, BOXES, SUPPORTS AND CONNECTORS AT LIGHT FIXTURES INDICATED TO BE REMOVED. SEE ELEC SHTS FOR ADDITIONAL INFO.
6. REMOVE EX HVAC DUCTWORK, SUPPORTS AND CONNECTORS AT HVAC REGISTERS INDICATED TO BE REMOVED. SEE MECH SHTS FOR ADDITIONAL INFO.
7. EX EMS AND SECURITY DEVICES TO BE REMOVED BY OWNER. CONDUITS AND BOXES TO BE REMOVED BY CONTRACTOR. SEE ELEC SHTS FOR ADDITIONAL INFO.
8. REMOVE EX FASTENERS AT CLG FINISHES INDICATED TO BE REMOVED. PROTECT EX ADJACENT FINISHES DURING REMOVAL TO ALLOW FOR NEW FINISH TRANSITIONS.
9. REMOVE EX AIR PURIFIER SYSTEM AT EX CEILINGS INDICATED TO BE REMOVED. SALVAGE FOR REINSTALLATION. SEE ELEC SHTS FOR ADDITIONAL INFO.
10. REMOVE EX FIRE ALARM DEVICES. SEE ELEC SHTS FOR ADDITIONAL INFO.
11. EX WIRELESS ACCESS NODES TO BE REMOVED BY OWNER. CONDUITS AND BOXES TO BE REMOVED BY CONTRACTOR.
12. EX SPEAKERS TO BE REMOVED BY CONTRACTOR. SEE ELEC SHTS FOR ADDITIONAL INFORMATION.

17-03-04

CEILING DEMOLITION KEYNOTES

11. REMOVE EX SUSPENDED CEILING SYSTEM INCLUDING WIRES, ANCHORS, CONNECTORS AND INSULATION.
12. REMOVE EX 2x2 FURRING STRIPS, 12x12 ADHERED ACOUSTIC TILES, GYP BD SUBSTRATE, ASSOC CONNECTORS AND INSULATION AT UNDERSIDE OF TRUSSES INCLUDING AREA ABOVE EX SUSPENDED CEILING SYSTEM. REMOVE EXPOSED WOOD TRIM WH OCCURS.
13. REMOVE EX CEILING MOUNTED CURTAIN TRACKS, DRAPES, AND ASSOC SUPPORTS.
14. REMOVE EX HVAC DIFFUSERS, DUCTWORK (CLG EXHAUST FAN WH OCCURS) AND ASSOC SUPPORTS - SEE MECH SHTS FOR ADDIT INFO.
15. REMOVE EX LIGHT FIXTURES, CONDUITS AND ASSOC SUPPORTS - SEE ELEC SHTS FOR ADDIT INFO.
16. REMOVE EX SURFACE MOUNTED LIGHT FIXTURE AND ASSOCIATED CONNECTORS - SEE ELEC SHTS FOR ADDIT INFO.
17. NOT USED.
18. REMOVE GYP BD FIN AND ASSOC CONNECTORS.
19. REMOVE EX ULTRAVIOLET AIR FIXTURE, CONDUIT AND ASSOCIATED SUPPORTS - SEE ELEC SHTS FOR ADDIT INFO.
20. REMOVE/REINSTALL EX CONDUIT, BOX AND DEVICE AS REQUIRED - SEE ELEC SHTS FOR ADDIT INFO.

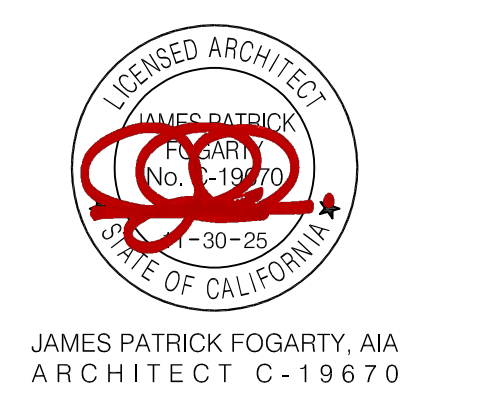


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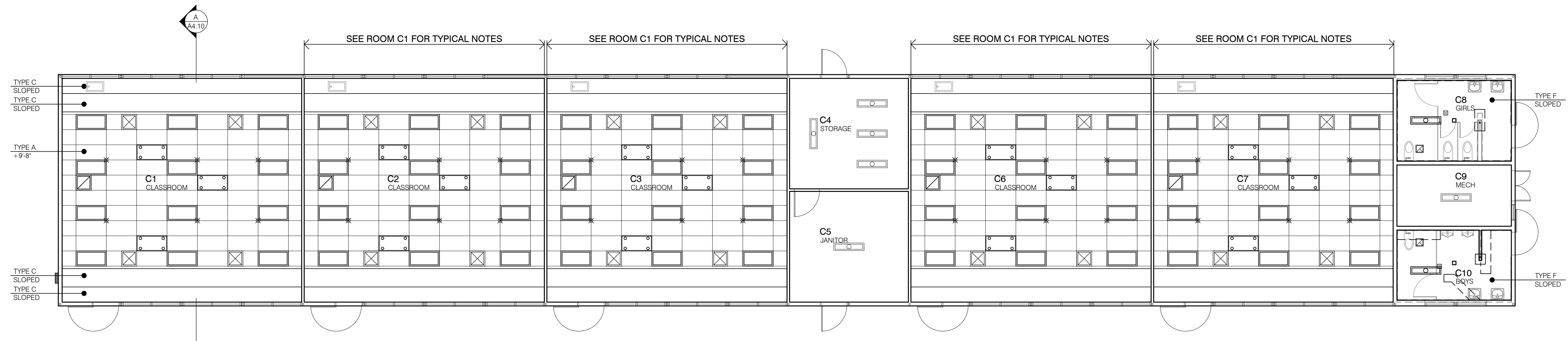
REVISIONS

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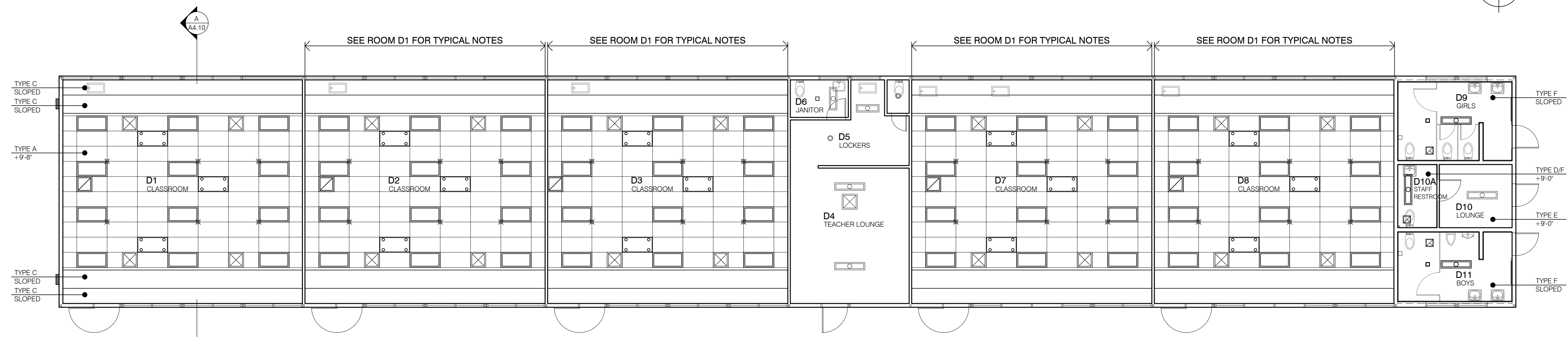
DEMOLITION REFLECTED CEILING PLANS

A5.00



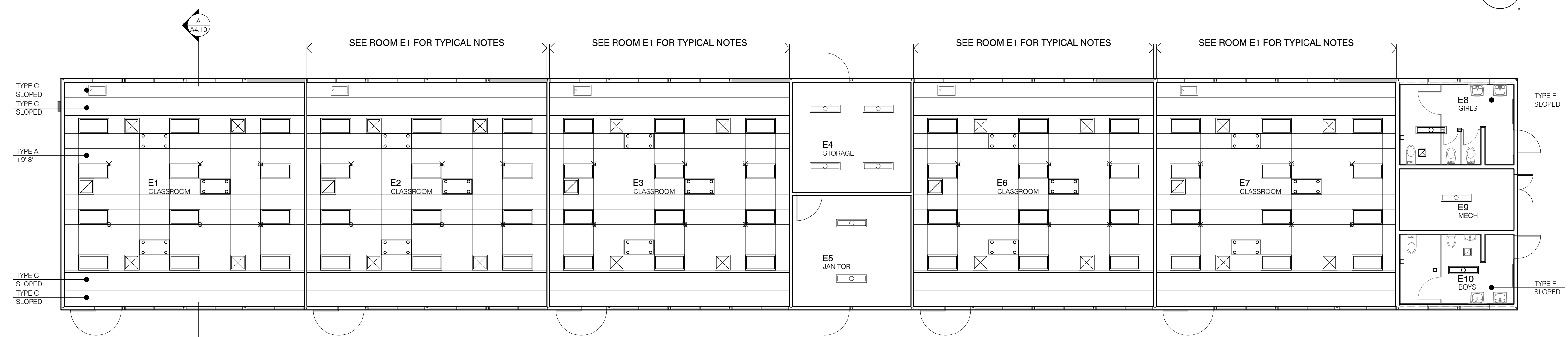
A. Reflected Ceiling Plan - Building C

Scale: 1/8" = 1'-0"



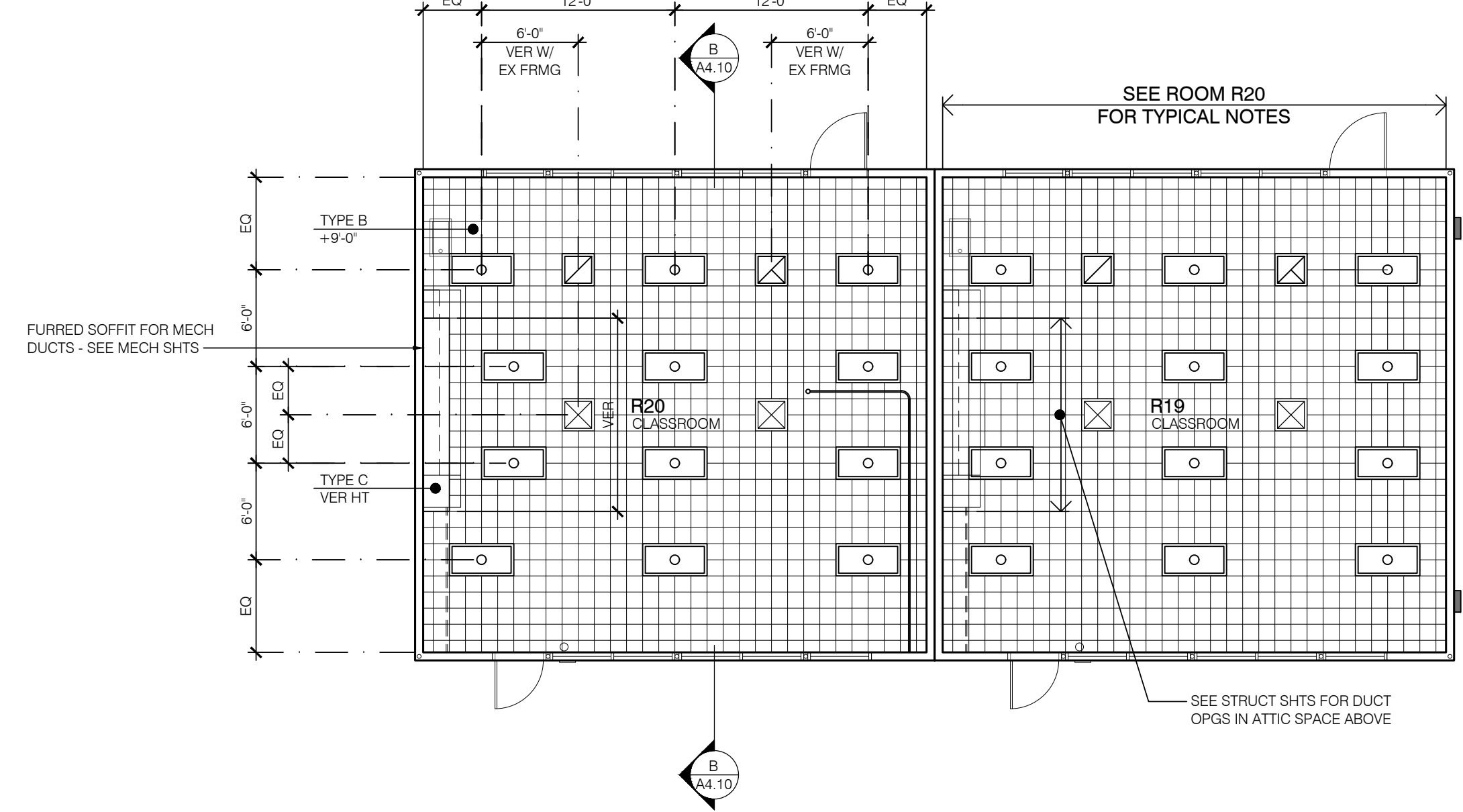
B. Reflected Ceiling Plan - Building D

Scale: 1/8" = 1'-0"



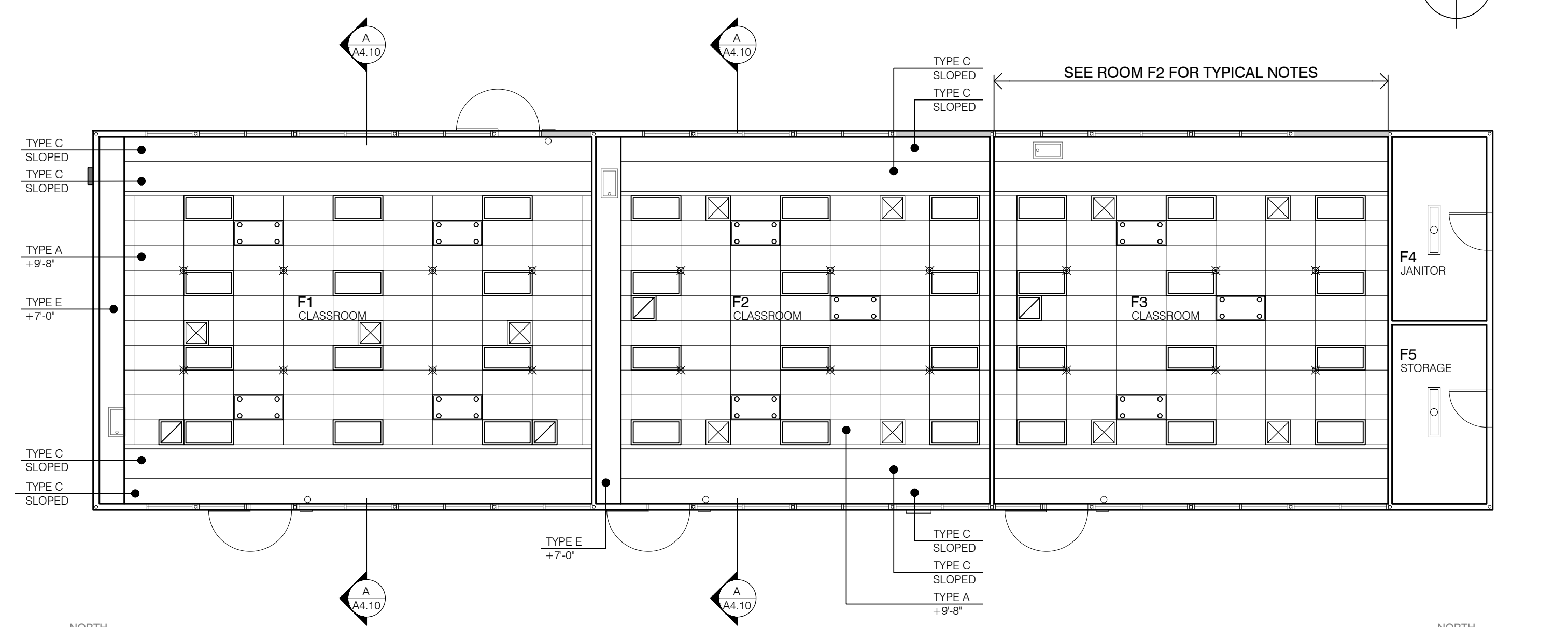
C. Reflected Ceiling Plan - Building E

Scale: 1/8" = 1'-0"



E. Reflected Ceiling Plan - Building R19/R20

Scale: 1/8" = 1'-0"



D. Reflected Ceiling Plan - Building F

Scale: 1/8" = 1'-0"

GENERAL CEILING NOTES

- THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE REFLECTED CEILING PLAN AND AT THE DIRECTION OF THE ARCHITECT.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL AIR-CONDITIONING GRILLES WITH LIGHT FIXTURE LAYOUTS, REFLECTED CEILING PLAN AND AT THE DIRECTION OF THE ARCHITECT.
- REFER TO MECHANICAL DRAWINGS FOR SIZE, TYPE AND LOCATION OF ALL HVAC GRILLES, EXHAUST FANS AND OTHER MECHANICAL EQUIPMENT LOCATED IN THE CEILING.
- ENVELOPE INSULATION: CEILING SHALL HAVE THERMAL BATT INSULATION ABOVE CEILING FINISH FOIL FACE INSULATION EXCEPT SOUND WALLS. SEE SECTIONS FOR ATTICS/ CAVITIES TO BE INSULATED. WALLS SHALL HAVE THERMAL BATT AT ALL EXTERIOR WALLS. SEE FLOOR PLAN FOR SOUND INSULATION. INTENT IS TO INSULATE ENTIRE ENVELOPE EXCEPT GLAZING/ DOORS UNLESS OTHERWISE NOTED. PROVIDE ATTIC WALL INSULATION IF INSULATION IS PROVIDED AT ROOF LINE. SEE SECTIONS FOR ADDITIONAL INFORMATION.
- SURFACE MTD, RECESSED AND SUSPENDED LIGHT FIXTURES SHALL BE LOCATED EQUALLY BETWEEN OPPOSITE WALLS UNLESS OTHERWISE NOTED.
- HVAC REGISTERS AND GRILLES SHALL BE LOCATED EQUALLY BETWEEN OPPOSITE WALLS UNLESS OTHERWISE NOTED.
- CEILING HEIGHTS NOTED ARE TO BOTTOM OF CEILING FINISH UNLESS OTHERWISE NOTED.
- SEE ELECTRICAL SHTS FOR SMOKE DETECTORS, HEAT DETECTORS, AND AUDIO VISUAL DEVICES TO BE MOUNTED TO CEILING. DEVICES TO BE CENTERED IN ACQUIS TILE UNLESS APPROVED OTHERWISE.
- CONTRACTOR TO COORDINATE W/ DISTRICT VENDORS FOR INSTALLATION OF EMS, SECURITY AND WIRELESS ACCESS NOTES. SEE ARCHITECTURAL AND ELECTRICAL SHTS FOR NOTED INFRASTRUCTURE INSTALLATION.

CEILING TYPE LEGEND

Type	Description	Fire Sprinkler	Dtl
TYPE A	24x48 CEILING GRID W/ LAY IN ACQUIS PANELS (ARMSTRONG FINE FIGURED)	NONE	31 A5.10
TYPE B	12x12 ACQUIS TILES (ARMSTRONG FINE FIGURED) TILES OVER EX WOOD FURRING STRIPS	NONE	31 A5.10
TYPE C	GYP BD - TAPE, TEXTURE AND PAINT 100% ACRYLIC ENAMEL SEMI GLOSS - LEVEL 4 FIN	NONE	31 A5.10
TYPE D	GYP BD - TAPE, TEXTURE AND PAINT 100% ACRYLIC ENAMEL SEMI GLOSS - LEVEL 4 FIN	NONE	31 A5.10
TYPE E	EX FINISH - PAINT 100% ACRYLIC ENAMEL SEMI GLOSS	NONE	31 A5.10
TYPE F	EX FINISH - PAINT 100% ACRYLIC ENAMEL SEMI GLOSS	NONE	31 A5.10

CEILING LEGEND

- 2x4 SUSPENDED LED LIGHT FIXTURE - SEE ELEC SHTS FOR ADDIT INFO
- 2x4 SURFACE MTD LED LIGHT FIXTURE - SEE ELEC SHTS FOR ADDIT INFO
- 1x4 SURFACE MTD LED LIGHT FIXTURE - SEE ELEC SHTS FOR ADDIT INFO
- RECESSED LED LIGHT FIXTURE - SEE ELEC SHTS FOR ADDIT INFO
- SUPPLY AIR REGISTER - SEE MECH SHTS FOR ADDIT INFO
- RETURN AIR REGISTER - SEE MECH SHTS FOR ADDIT INFO
- EXHAUST AIR REGISTER/FAN - SEE MECH SHTS FOR ADDIT INFO
- BRACING AND COMPRESSION STRUT LOCATION (MINIMUM LOCATIONS)
- SALVAGED ULTRAVIOLET AIR FIXTURE - SEE ELEC SHTS FOR ADDIT INFO
- EX 2x4 SURFACE MTD LIGHT FIXTURE
- EX 1x4 SURFACE MTD LIGHT FIXTURE
- EX RECESSED LIGHT FIXTURE

TYP CLG CONSTRUCTION DTLS

- 31A COMPRESSION STRUT
- 31B FREE END OF SUSPENDED CLG LAYOUT
- 31C TYP SUSPENDED CLG LAYOUT
- 31D SUSPENDED CLG
- 31E FIXED END OF SUSPENDED CLG
- 31F TYP SUSPENDED CLG
- 31G BRACING
- 31H WIRE SUSP
- 31I SYSTEM NOTES
- 31J TYP SUSPENDED CLG
- 31K TYP SUSPENDED CLG
- 31L TYP WIRE TILE
- 31M CCNN



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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School

607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



CONSULTANT

PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15.6
DSA No	03-122640

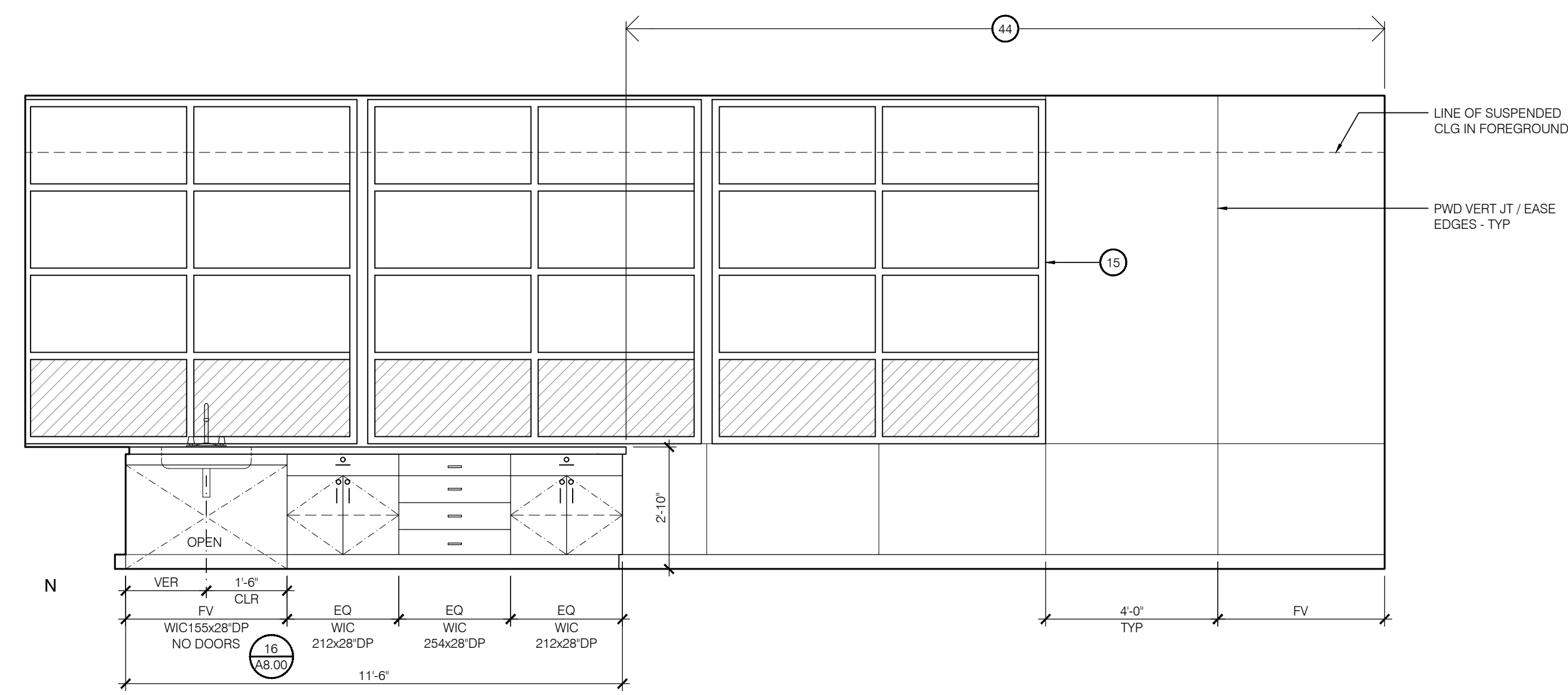
REVISIONS

No	Date	Item
1	00.00.08	DESCRIPTION

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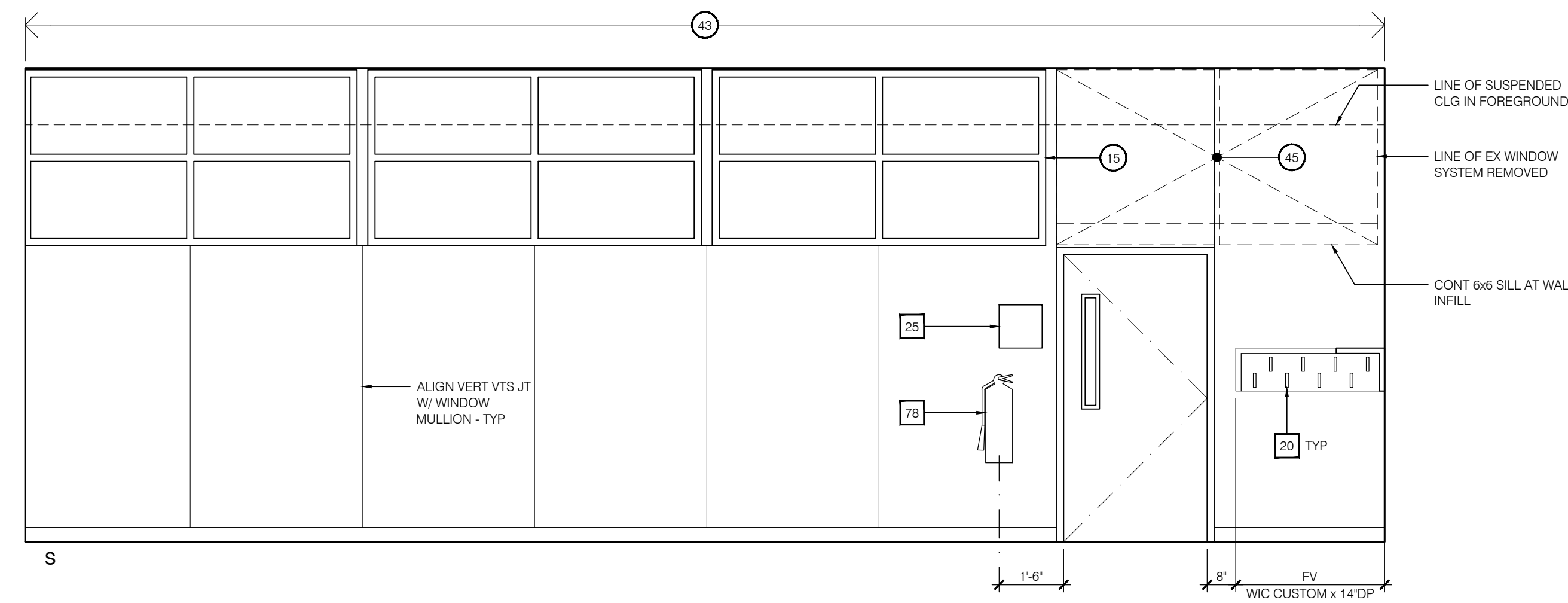
REFLECTED CEILING PLANS

A5.10



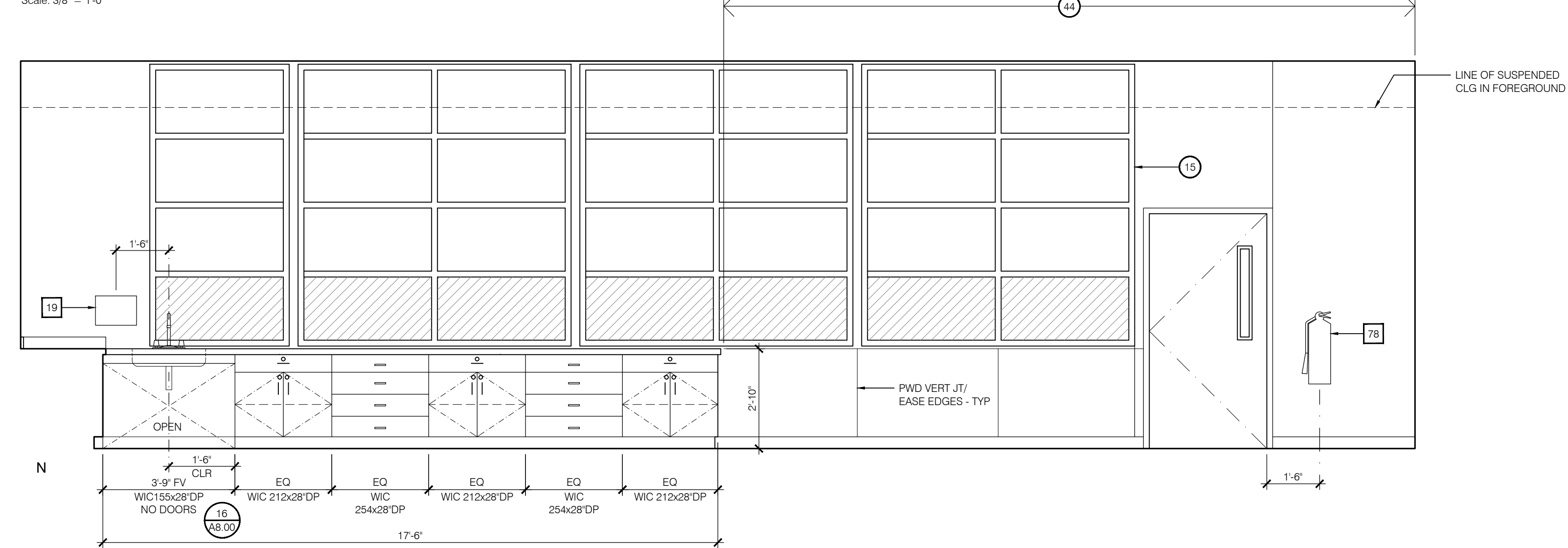
Typical Classroom - Buildings C,D,E

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



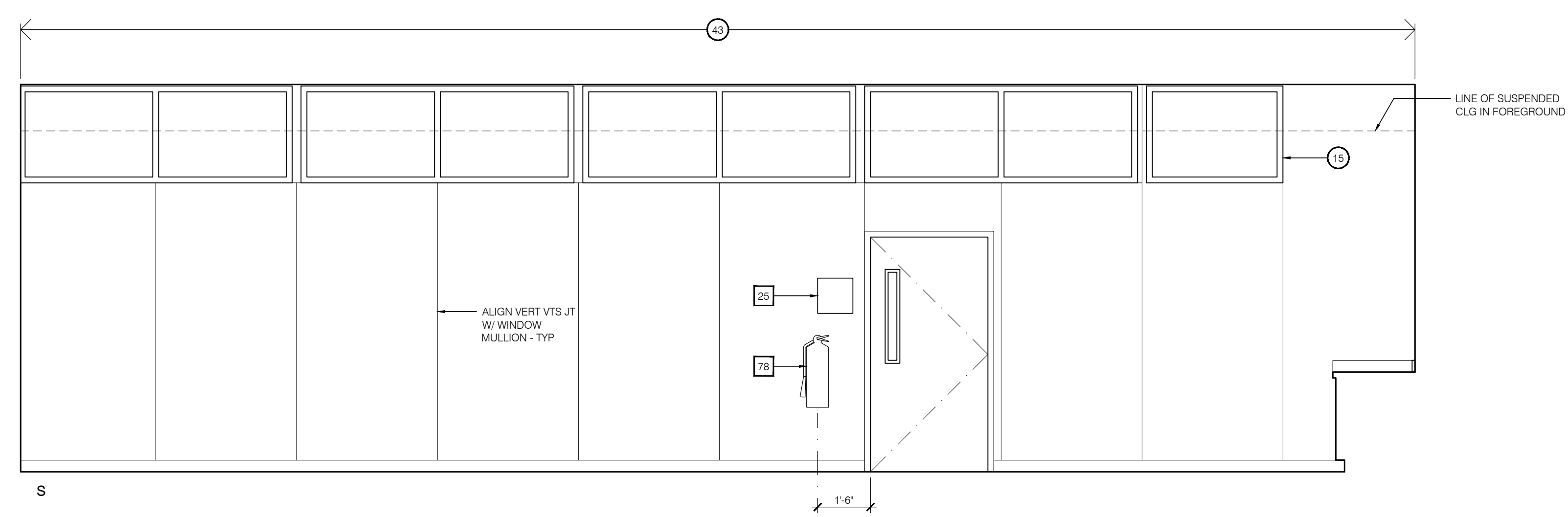
Typical Classroom - Buildings C,D,E (Cont.)

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



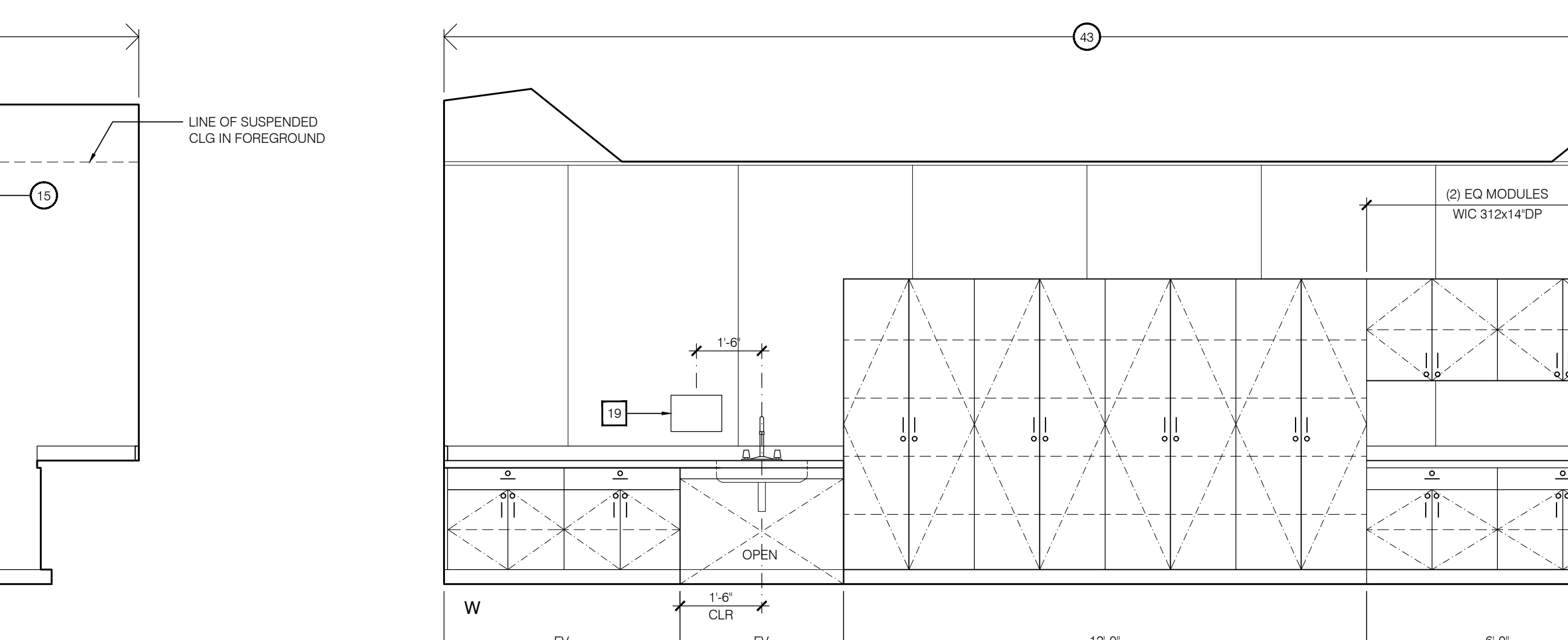
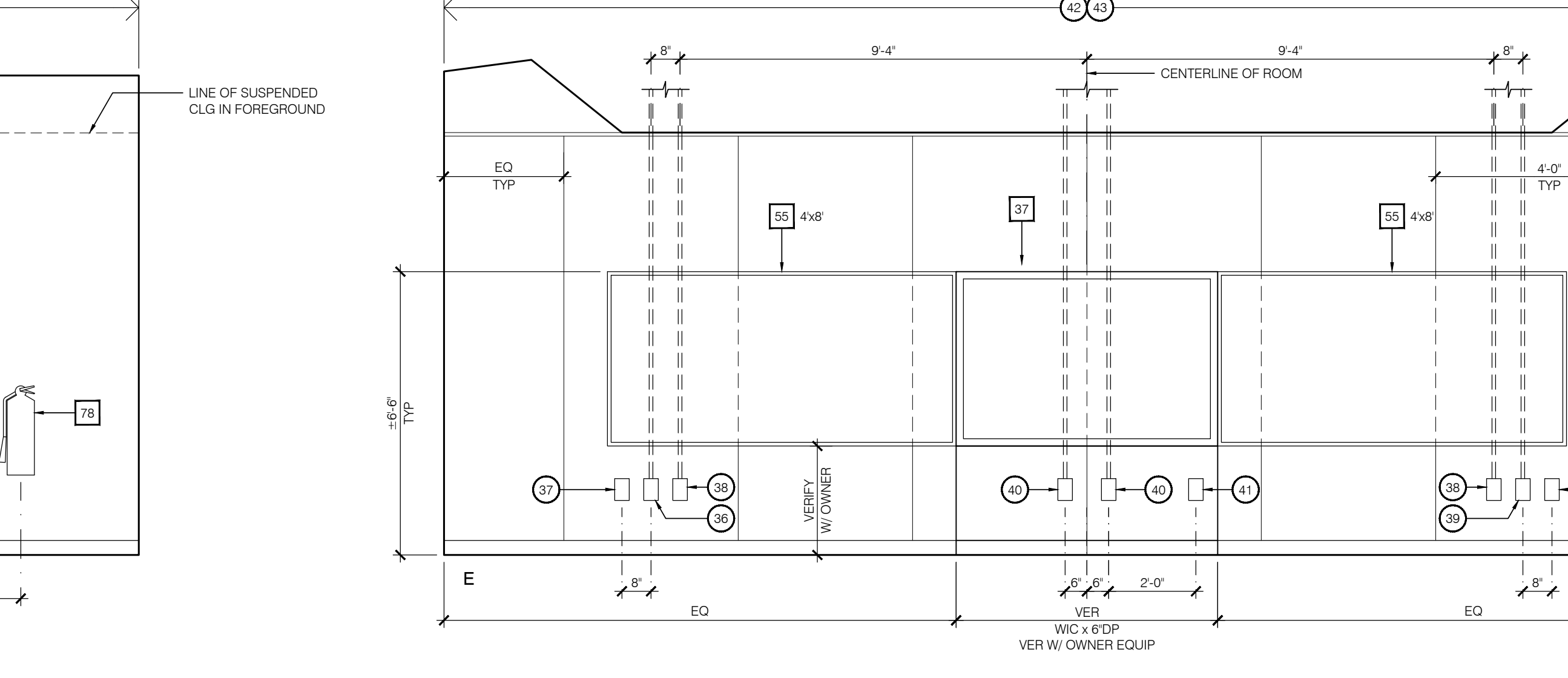
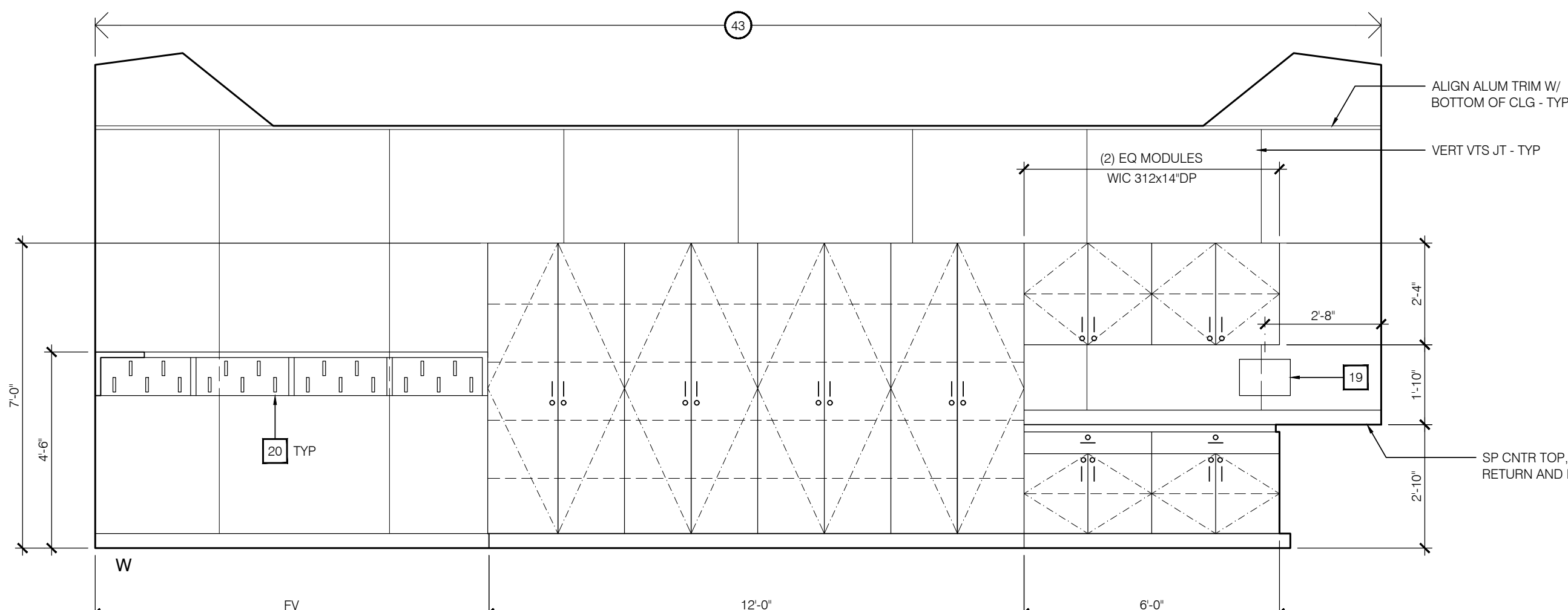
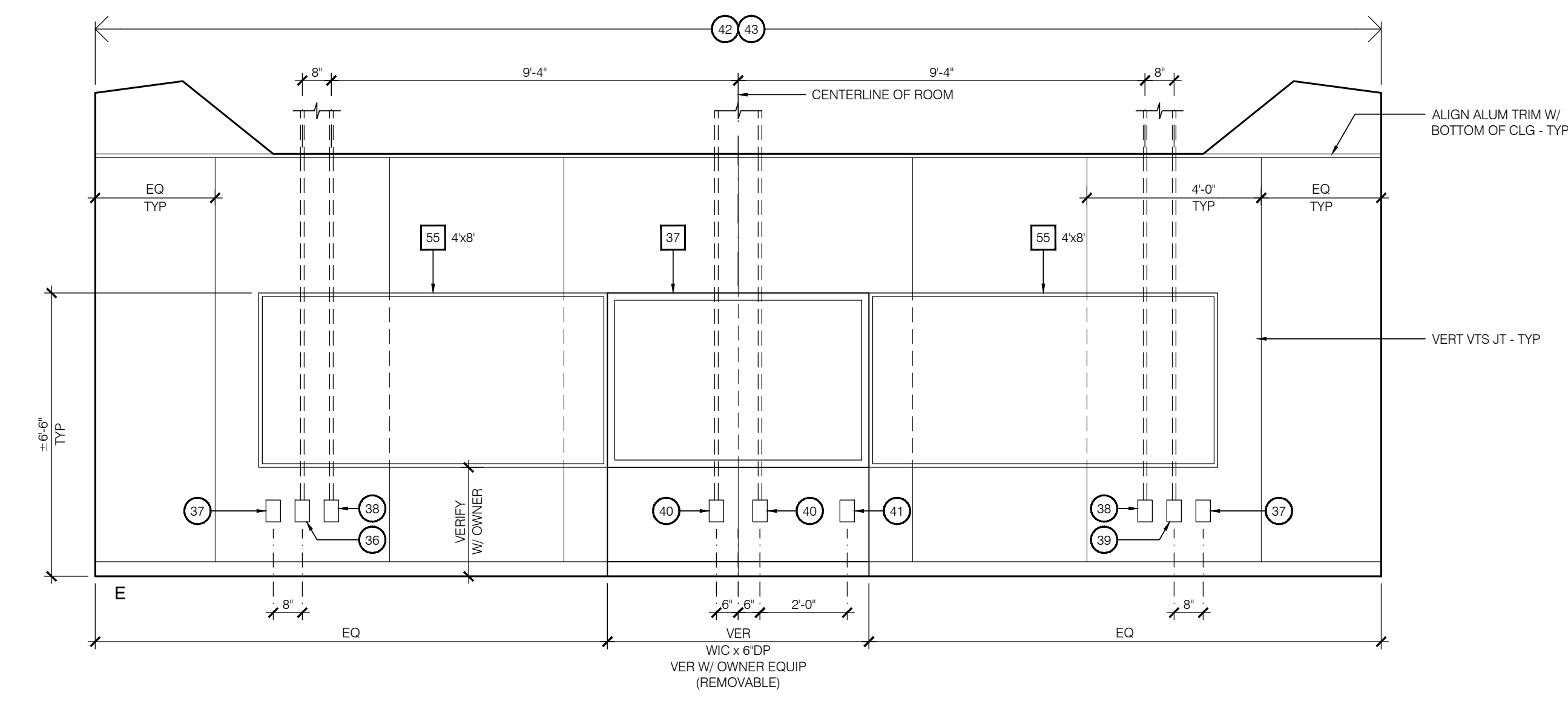
F1 Classroom

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



F1 Classroom (Cont.)

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

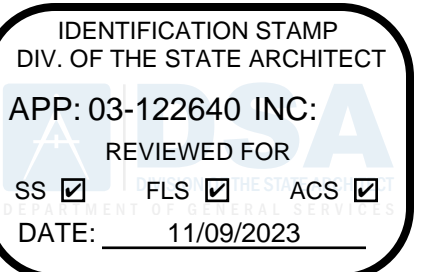


GENERAL INTERIOR ELEVATION NOTES

- SEE MECH SHTS FOR THERMOSTAT LOCATIONS.
- SEE SHT A2.00 ACCESSORY SCHEDULE FOR ITEMS KEYED TO ACCESSORY.
- CABINET DOORS AND DRAWERS TO HAVE KEYED LOCKS UNO.
- ALL EXISTING SURFACE MTD RACEWAYS NOT SHOWN - FIELD VERIFY AND COORDINATE WITH WORK INDICATED.

INTERIOR ELEVATION KEYNOTES

- CABINETRY - SEE INT ELEV FOR ADDIT INFO
- COUNTER MTD SINK AND FAUCET - SEE PLBG SHTS FOR ADDIT INFO
- WALL MTD SINK AND FAUCET - SEE PLBG SHTS FOR ADDIT INFO
- WALL MTD URINAL AND FLUSH VALVE - SEE PLBG SHTS FOR ADDIT INFO
- WALL MTD WATER CLOSET AND FLUSH VALVE - SEE PLBG SHTS FOR ADDIT INFO
- FLR MTD WATER CLOSET AND FLUSH VALVE - SEE PLBG SHTS FOR ADDIT INFO
- FLR DRAIN SEE FLUSH WITH TILE - SEE PLBG SHTS FOR ADDIT INFO
- NOT USED
- NOT USED
- NOT USED
- NOT USED
- NOT USED
- NOT USED
- NOT USED
- EX ALUM WINDOW SYSTEM - EX WH/NOTED - SEE WINDOW SCHEDULE FOR ADDIT INFO
- NOT USED
- CONC SLAB INFILL AT DEPRESSED SLAB
- CONC SLAB INFILL AT UTILITY TRENCH
- LINE OF REPLACED/ REINSTALLED CARPET TILES AS REQUIRED
- EXISTING FLOOR MOUNTED TOILET WITH TOILET SEAT AT +1'7" AND TOUCHLESS FLUSH VALVE
- EXISTING WALL MOUNTED URINAL WITH RIM AT +1'7" AND TOUCHLESS FLUSH VALVE
- NOT USED
- EXISTING WALL MOUNTED SINK WITH FAUCET AT +34" MAX AND +29" MIN CLEARANCE
- NOT USED
- EXISTING MIRROR MOUNTED AT MAX +40" TO MIRROR SURFACE
- EXISTING FLOOR MOUNTED PARTITION SYSTEM
- NOT USED
- NOT USED
- NOT USED
- NOT USED
- EXISTING WALL MOUNTED TOILET PAPER DISPENSER
- NOT USED
- NOT USED
- NOT USED
- WALL MOUNTED TOILET W/ TOILET SEAT AT +1'7"
- J BOX ONLY (DATA OUTLET) - 3/4" CONDUIT STUBBED ABOVE CEILING
- STANDARD SURGE PROTECTED DUPLEX OUTLET - LOCATE OUTLETS AS INDICATED ON THE PLAN
- DOUBLE GANG DEEP MUD RING - LOCATE AT STANDARD HEIGHT. PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MUD RING TO ABOVE CEILING. NO HARD CONNECTIONS AT MUD RING. PROVIDE PULL STRING.
- SINGLE GANG DEEP MUD RING - LOCATE AT STANDARD HEIGHT. PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MUD RING TO ABOVE CEILING. NO HARD CONNECTION AT MUD RING. PROVIDE PULL STRING.
- SINGLE GANG DEEP MUD RING AT STANDARD HEIGHT - PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MUD RING TO ABOVE CEILING. NO HARD CONNECTION AT MUD RING. PROVIDE PULL STRING.
- WALL MOUNTED SURGE PROTECTED QUADPLEX OUTLET - LOCATE AT STANDARD WALL OUTLET HEIGHT.
- REMOVE AND REPLACE EX PWD WALL FIN AS REQUIRED TO INSTALL ELEC/ COMM CONDUITS AND BOXES
- REMOVE EX W/ TRIM AS REQUIRED TO INSTALL VTS WALL FIN (REMOVE EX VTS FIN WH OCCURS)
- PWD SHGT TO MATCH EX
- VTS OVER PWD SUBSTRATE TO MATCH EX



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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School
607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
ARCHITECT C-19670

CONSULTANT

PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15.6
DSA No	03-122640

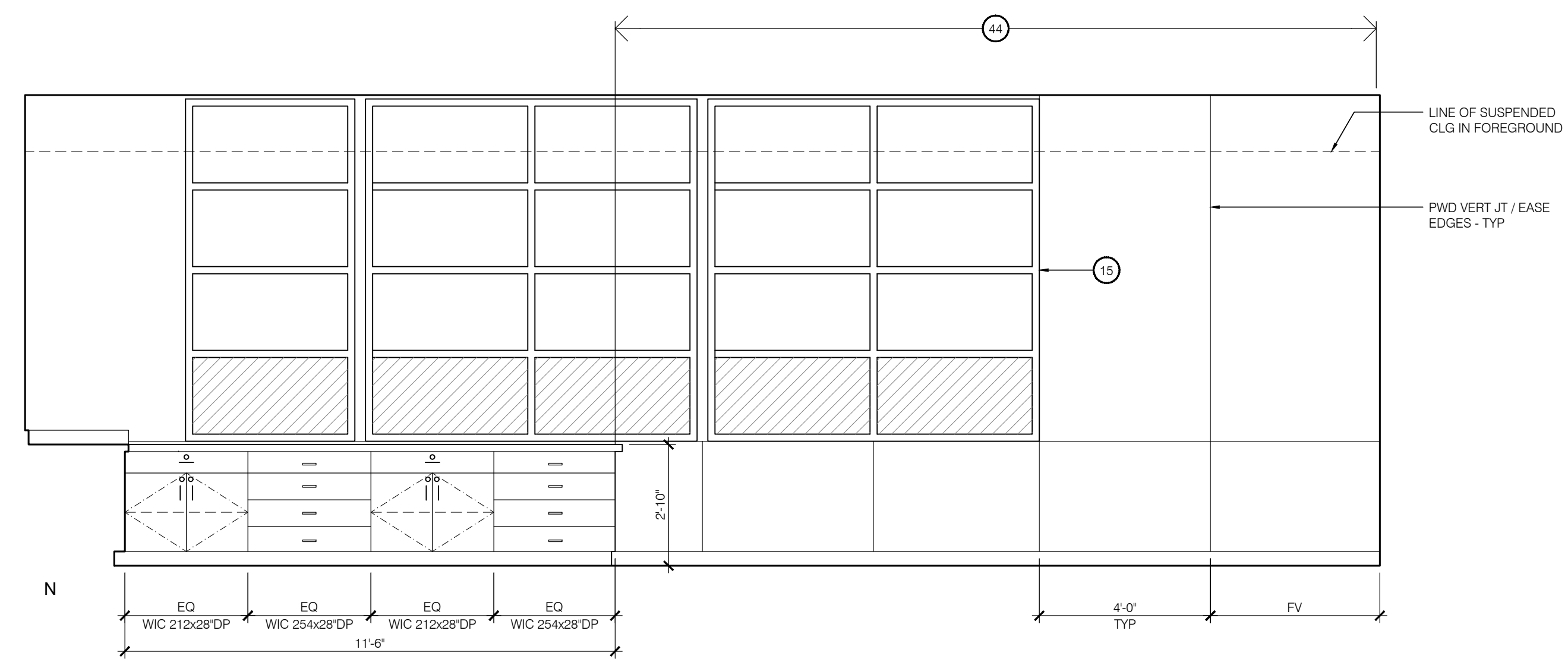
REVISIONS

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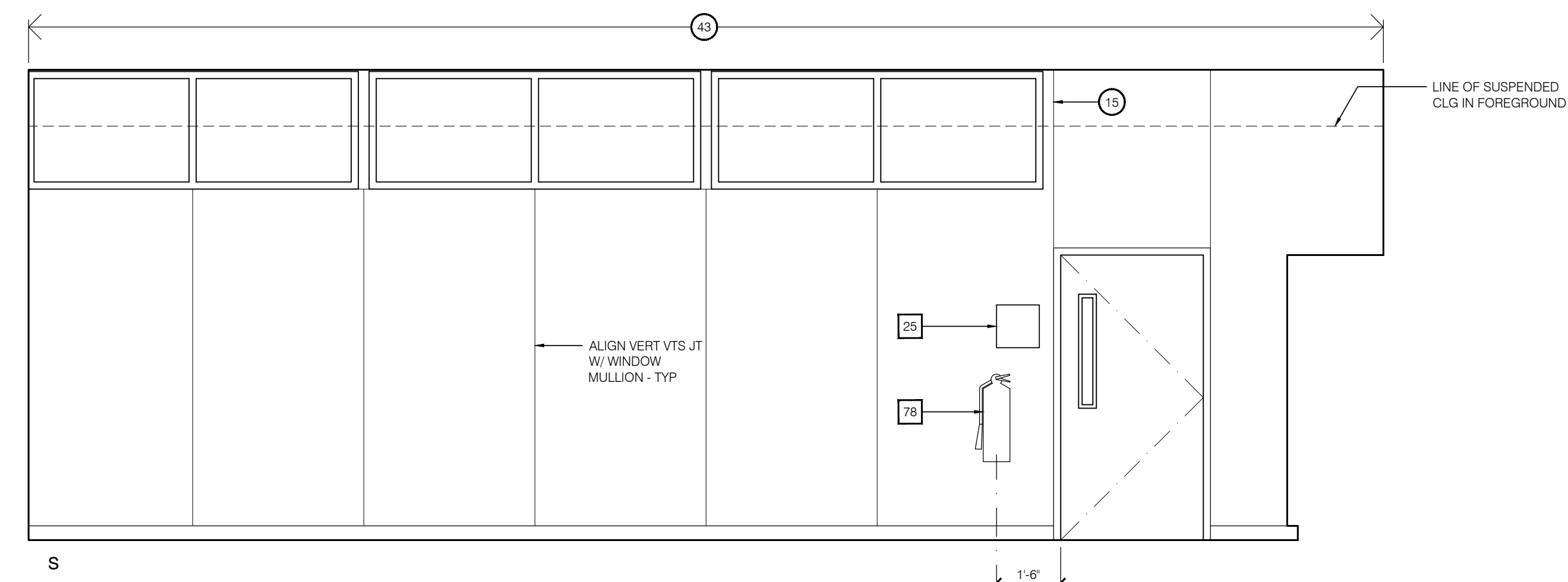
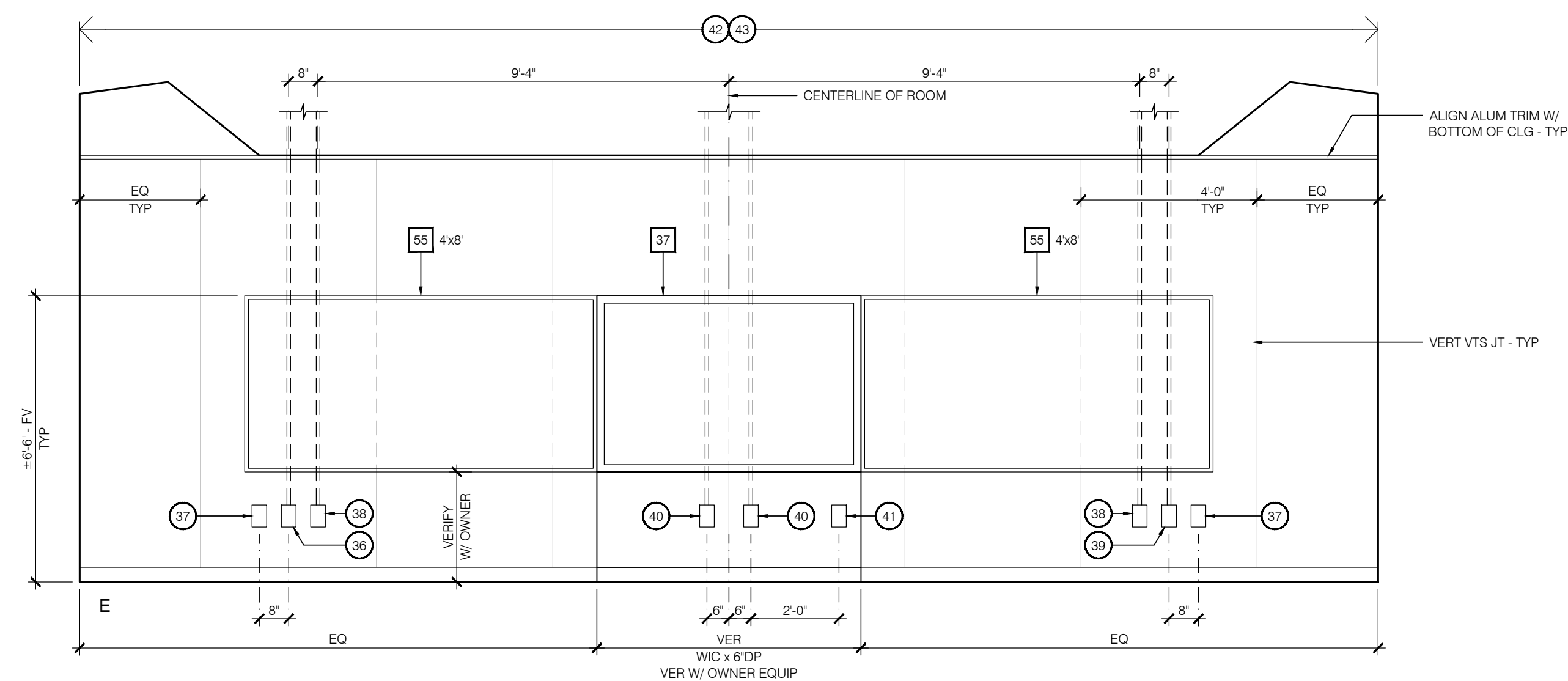
INTERIOR ELEVATIONS

A6.00



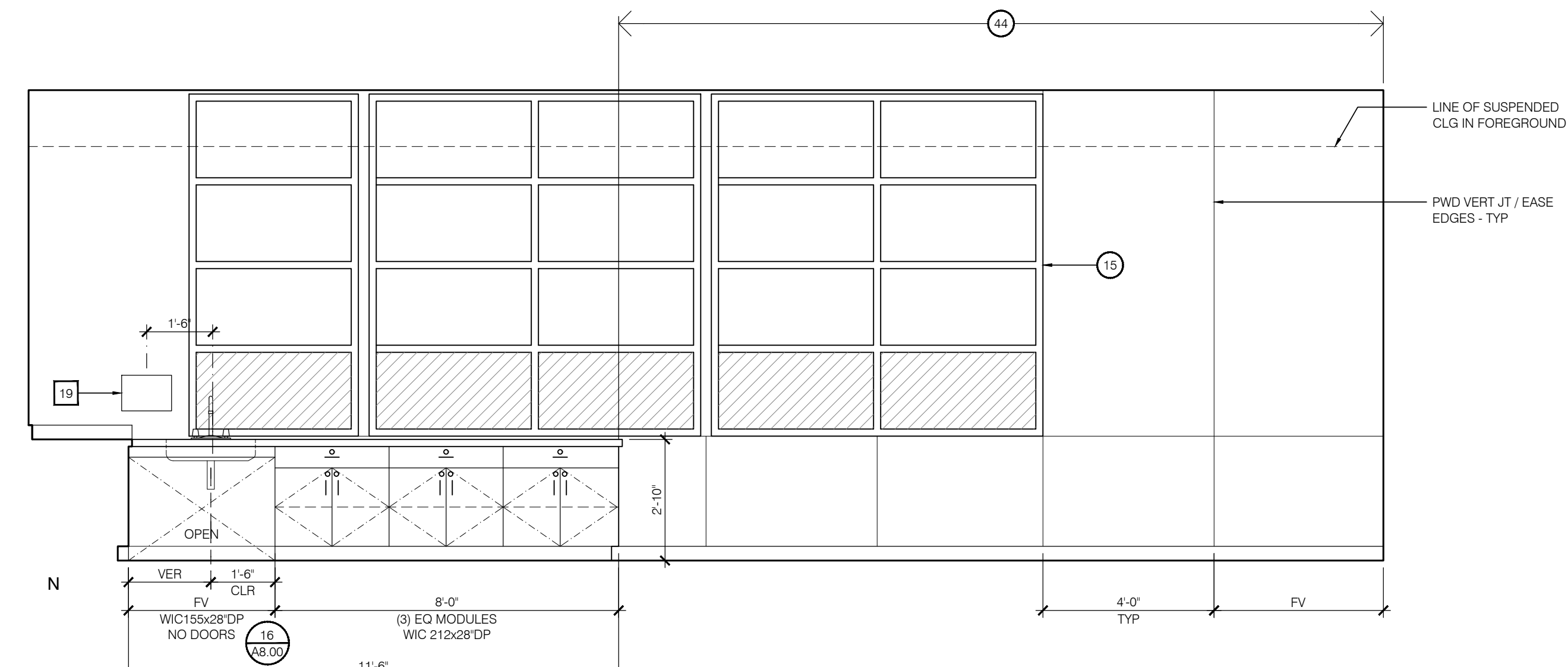
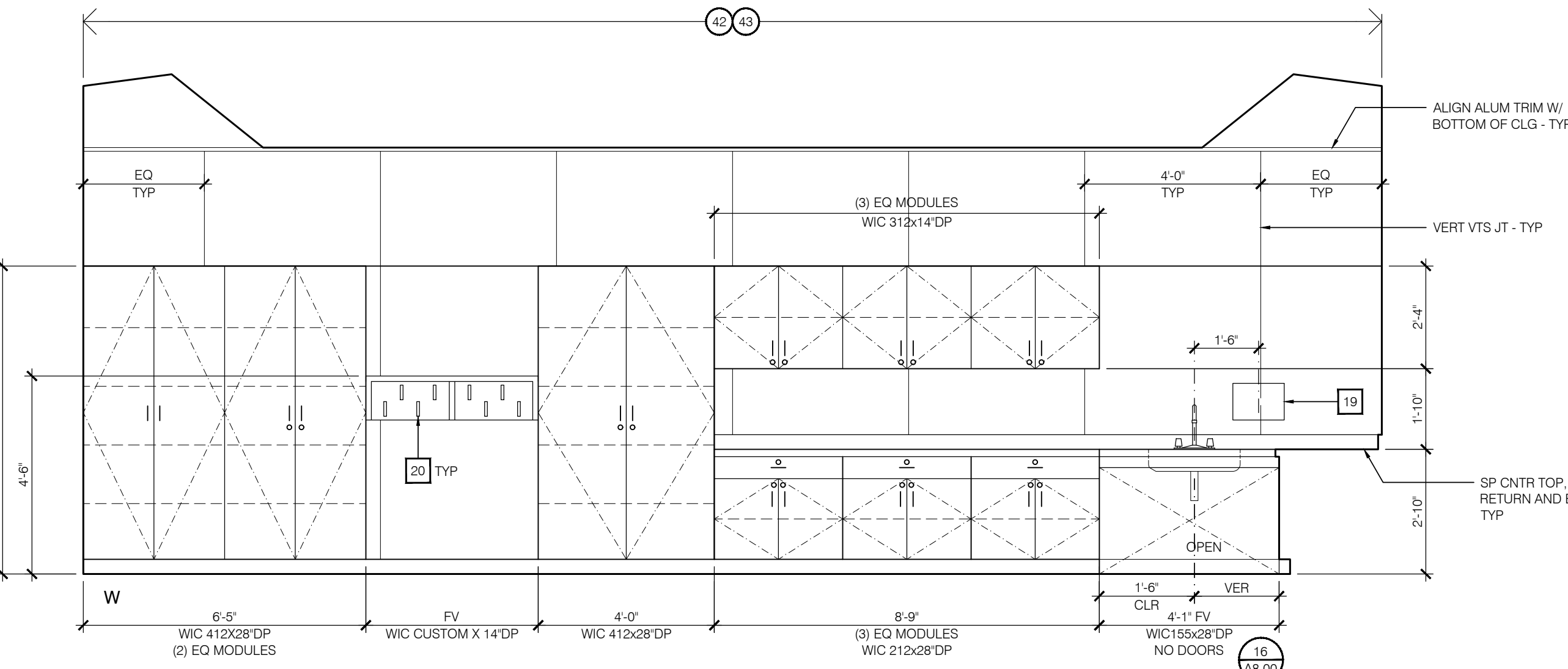
F2 Classroom

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



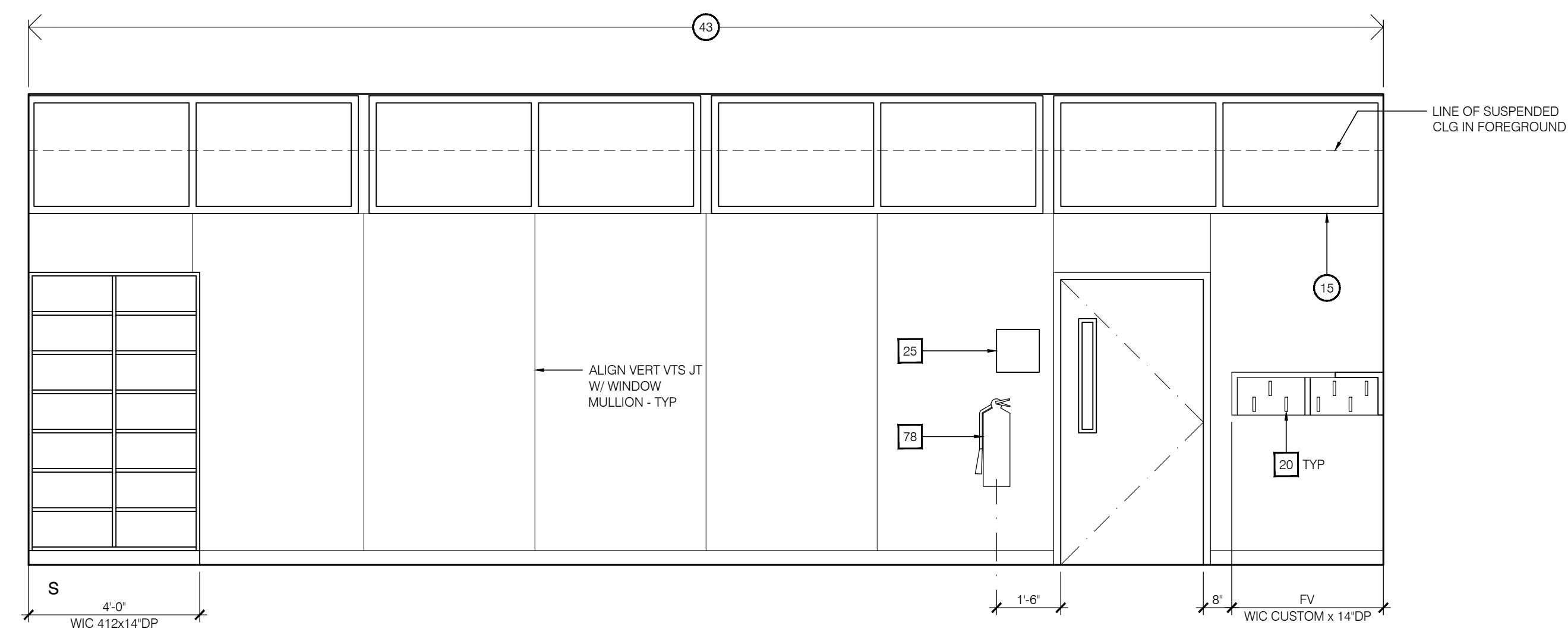
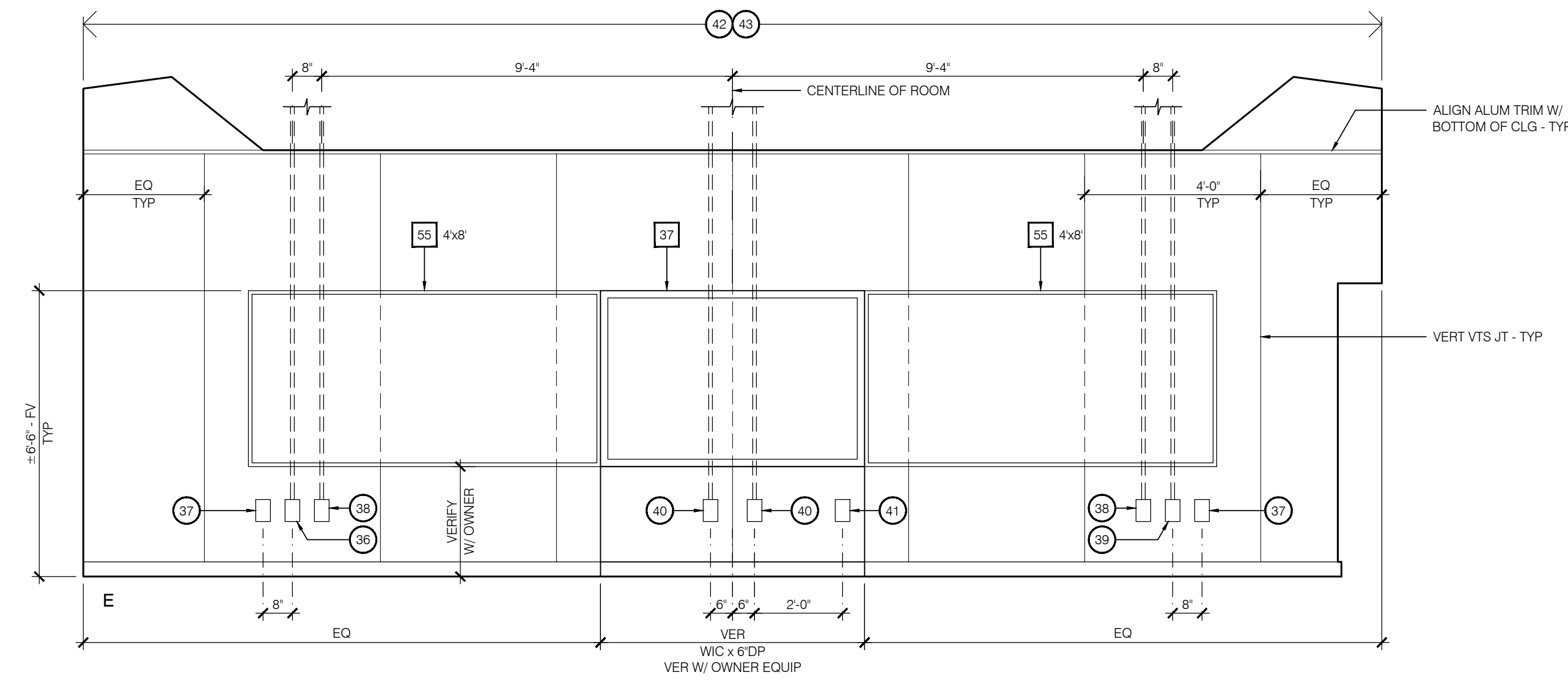
F2 Classroom (Cont.)

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



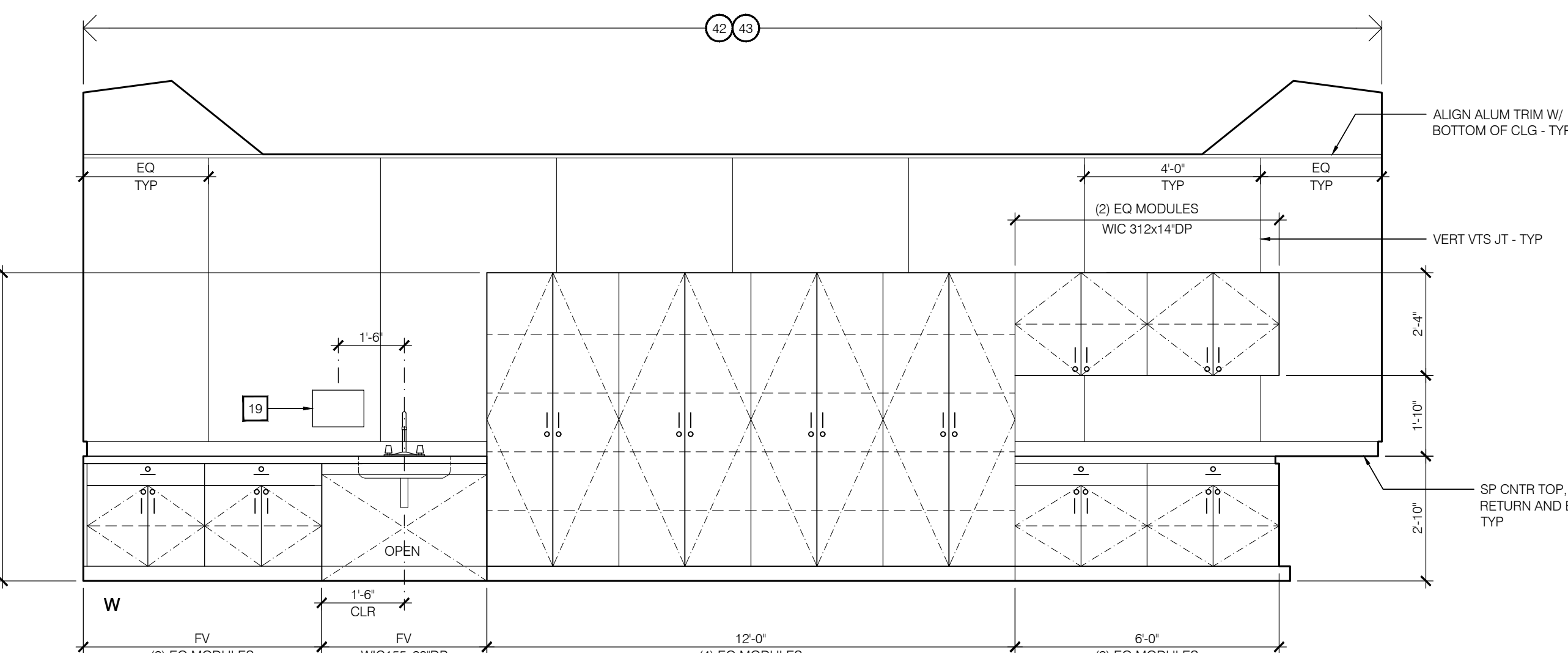
F3 Classroom

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



F3 Classroom (Cont.)

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

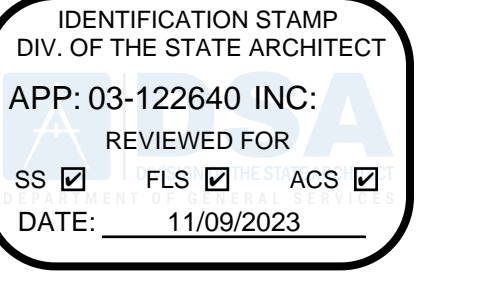


GENERAL INTERIOR ELEVATION NOTES

- SEE MECH SHTS FOR THERMOSTAT LOCATIONS.
- SEE SHT A2.00 ACCESSORY SCHEDULE FOR ITEMS KEYPED TO ACCESSORY.
- CABINET DOORS AND DRAWERS TO HAVE KEYPED LOCKS UNO.
- ALL EXISTING SURFACE MTD RACEWAYS NOT SHOWN - FIELD VERIFY AND COORDINATE WITH WORK INDICATED.

INTERIOR ELEVATION KEYNOTES

- 1) CABINETS - SEE INT ELVS FOR ADDIT INFO
- 2) COUNTER MTD SINK AND FAUCET - SEE PLBG SHTS FOR ADDIT INFO
- 3) WALL MTD SINK AND FAUCET - SEE PLBG SHTS FOR ADDIT INFO
- 4) WALL MTD URINAL AND FLUSH VALVE - SEE PLBG SHTS FOR ADDIT INFO
- 5) WALL MTD WATER CLOSET AND FLUSH VALVE - SEE PLBG SHTS FOR ADDIT INFO
- 6) FLR MTD WATER CLOSET AND FLUSH VALVE - SEE PLBG SHTS FOR ADDIT INFO
- 7) FLR DRAIN SEE FLUSH WITH TILE - SEE PLBG SHTS FOR ADDIT INFO
- 8) NOT USED
- 9) NOT USED
- 10) NOT USED
- 11) NOT USED
- 12) NOT USED
- 13) NOT USED
- 14) NOT USED
- 15) EX ALUM WINDOW SYSTEM - EX WH/NOTED - SEE WINDOW SCHEDULE FOR ADDIT INFO
- 16) NOT USED
- 17) CONC SLAB INFILL AT DEPRESSED SLAB
- 18) CONC SLAB INFILL AT UTILITY TRENCH
- 19) LINE OF REPLACED/ REINSTALLED CARPET TILES AS REQUIRED
- 20) EXISTING FLOOR MOUNTED TOILET WITH TOILET SEAT AT +1'7" AND TOUCHLESS FLUSH VALVE
- 21) EXISTING WALL MOUNTED URINAL WITH RIM AT +1'7" AND TOUCHLESS FLUSH VALVE
- 22) NOT USED
- 23) EXISTING WALL MOUNTED SINK WITH FAUCET AT +34" MAX AND +29" MIN CLEARANCE
- 24) NOT USED
- 25) EXISTING MIRROR MOUNTED AT MAX +40" TO MIRROR SURFACE
- 26) EXISTING FLOOR MOUNTED PARTITION SYSTEM
- 27) NOT USED
- 28) NOT USED
- 29) NOT USED
- 30) EXISTING WALL MOUNTED TOILET PAPER DISPENSER
- 31) NOT USED
- 32) NOT USED
- 33) NOT USED
- 34) NOT USED
- 35) NOT USED
- 36) EXISTING WALL MOUNTED TOILET W/ TOILET SEAT AT +1'7"
- 37) J BOX ONLY (DATA OUTLET) - 3/4" CONDUIT STUBBED ABOVE CEILING
- 38) STANDARD SURGE PROTECTED DUPLEX OUTLET - LOCATE OUTLETS AS INDICATED ON THE PLAN
- 39) DOUBLE GANG DEEP MUD RING - LOCATE AT STANDARD HEIGHT. PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MUD RING TO ABOVE CEILING. NO HARD CONNECTIONS AT MUD RING. PROVIDE PULL STRING.
- 40) SINGLE GANG DEEP MUD RING - LOCATE AT STANDARD HEIGHT. PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MUD RING TO ABOVE CEILING. NO HARD CONNECTION AT MUD RING. PROVIDE PULL STRING.
- 41) SINGLE GANG DEEP MUD RING AT STANDARD HEIGHT. PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MUD RING TO ABOVE CEILING. NO HARD CONNECTION AT MUD RING. PROVIDE PULL STRING.
- 42) WALL MOUNTED SURGE PROTECTED QUADPLEX OUTLET - LOCATE AT STANDARD WALL OUTLET HEIGHT.
- 43) REMOVE AND REPLACE EX PWD WALL FIN AS REQUIRED TO INSTALL ELEC COMM CONDUITS AND BOXES
- 44) REMOVE EX VTS TRIM AS REQUIRED TO INSTALL VTS WALL FIN (REMOVE EX VTS FIN WH (OCCURS))
- 45) PWD SHGT TO MATCH EX
- 46) VTS OVER PWD SUBSTRATE TO MATCH EX

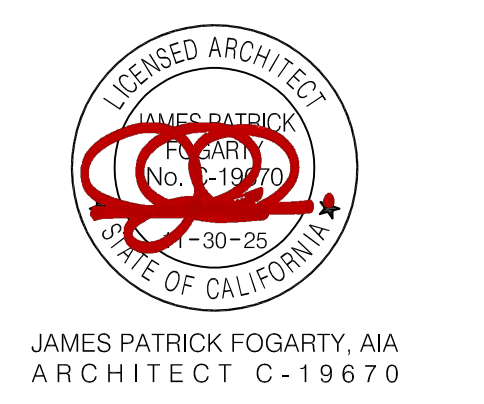


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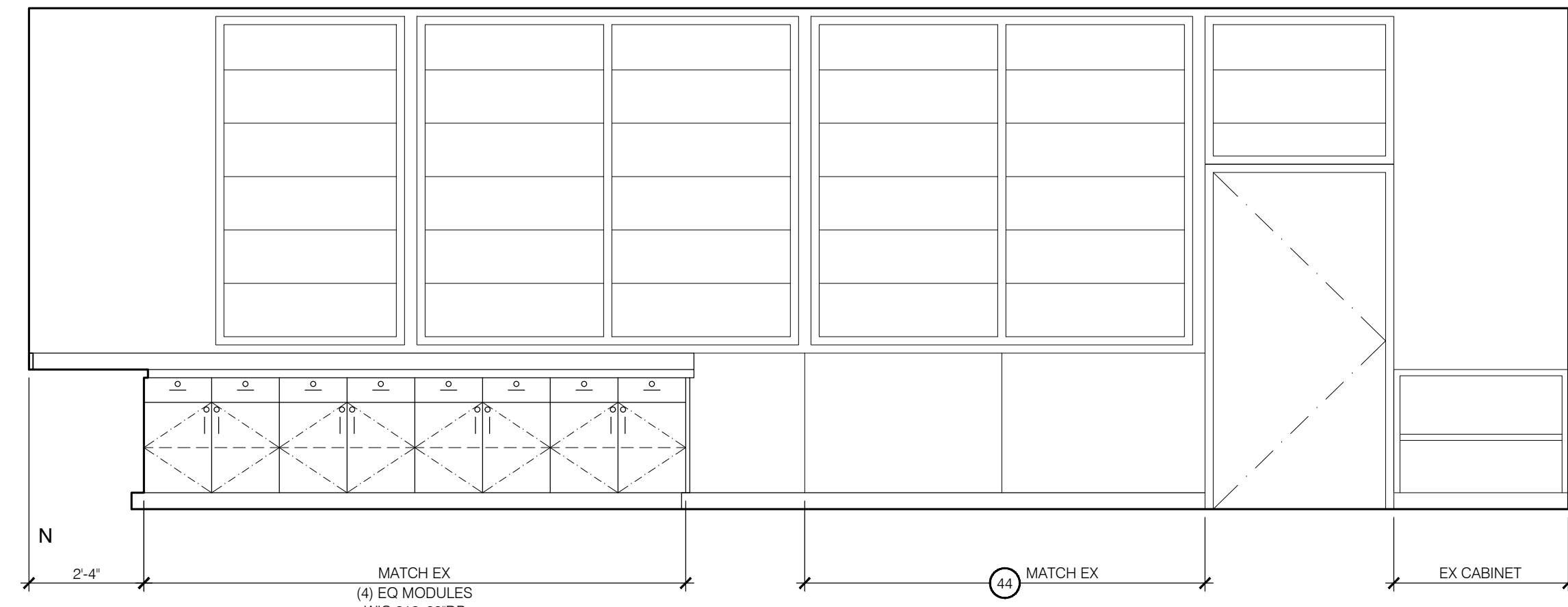
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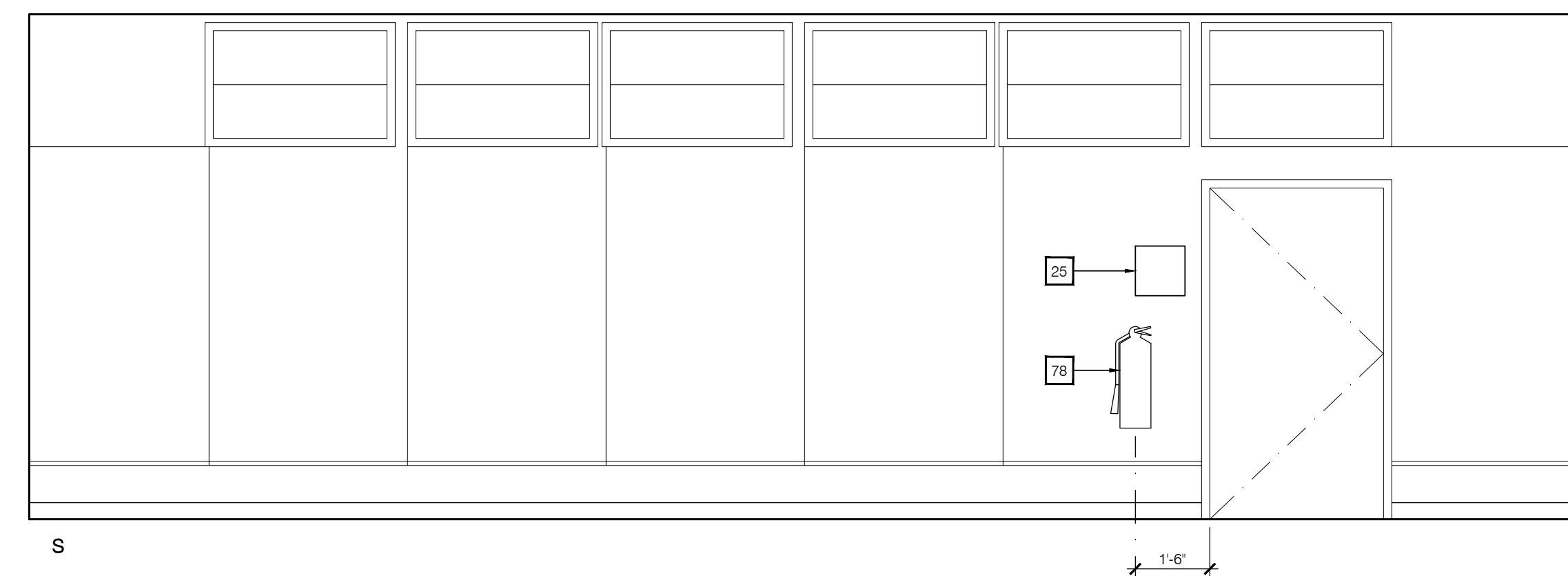
INTERIOR ELEVATIONS

A6.01



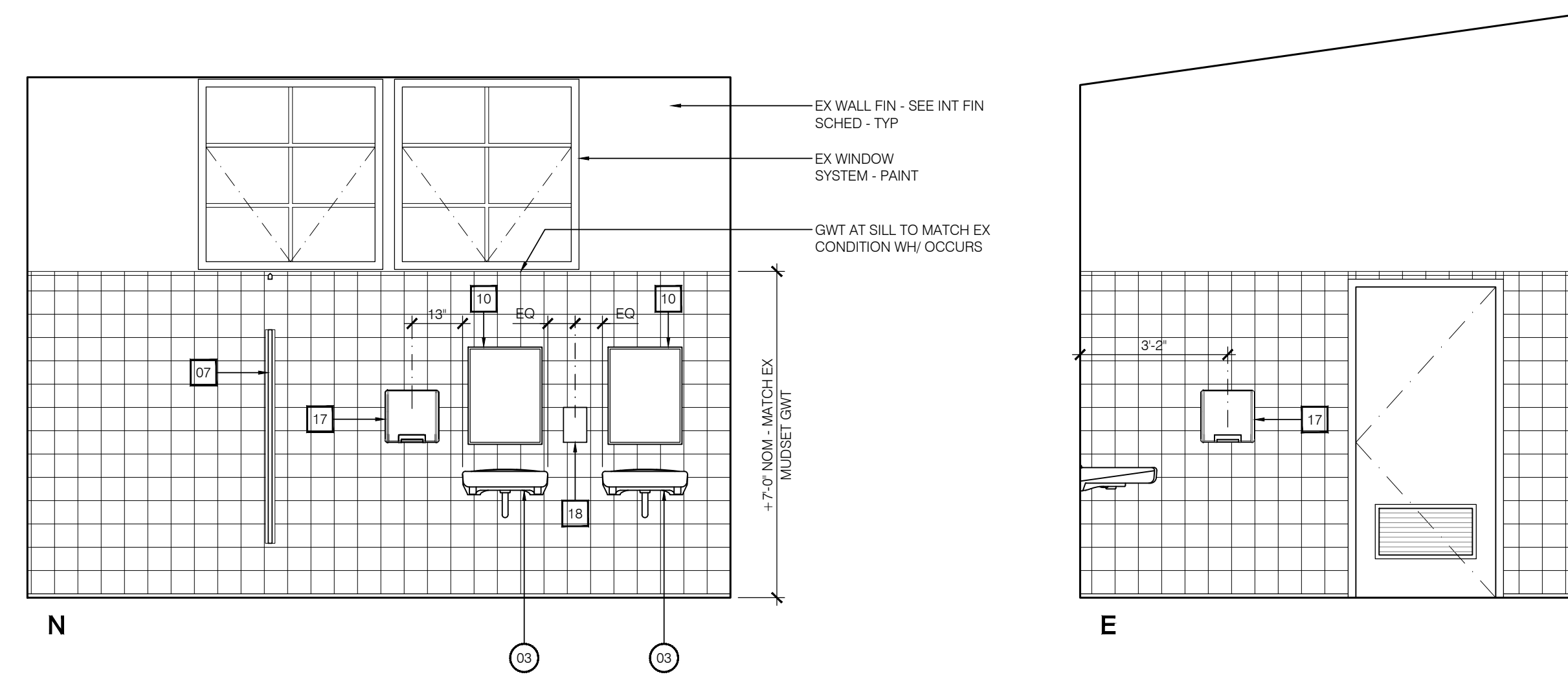
Typical Classroom - Buildings R20 & R21

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



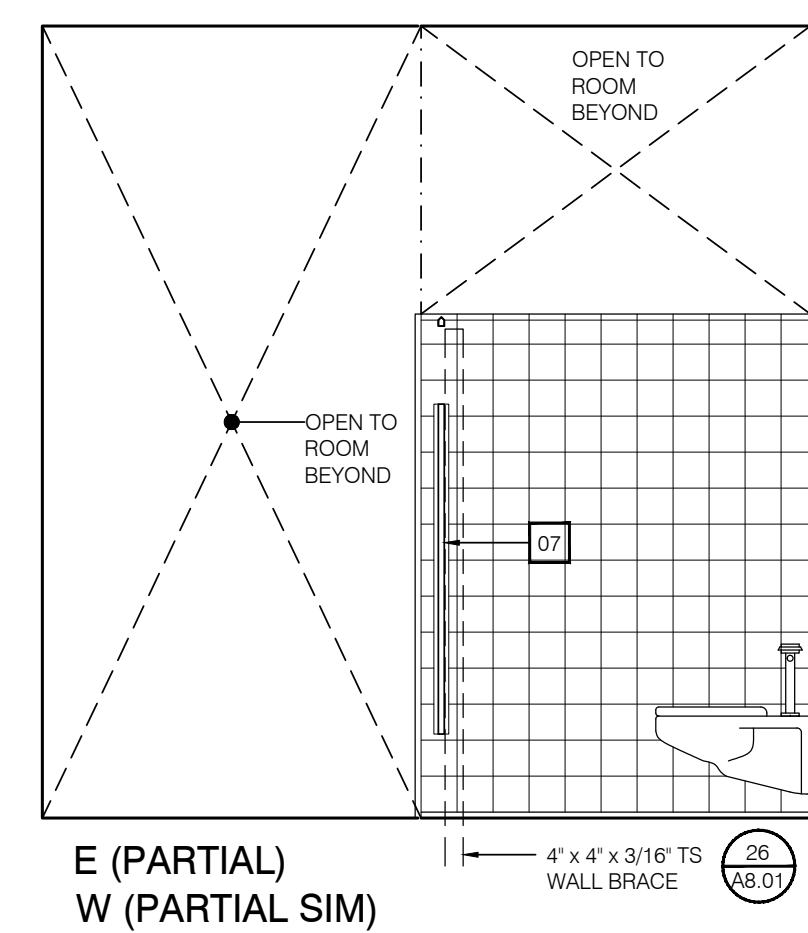
Typical Classroom - Buildings R20 & R21 (Cont.)

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



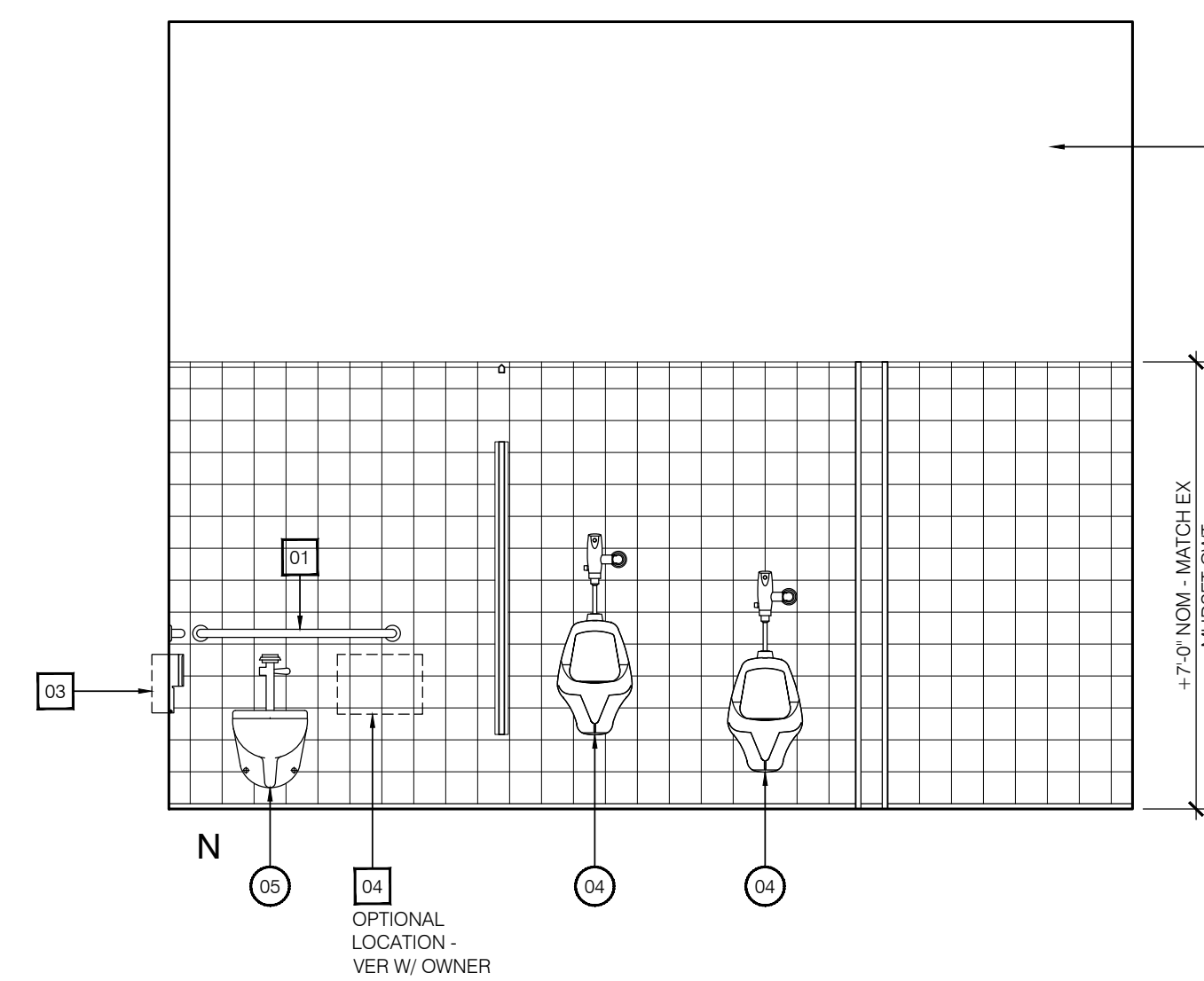
C8 Girls (Building C)

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



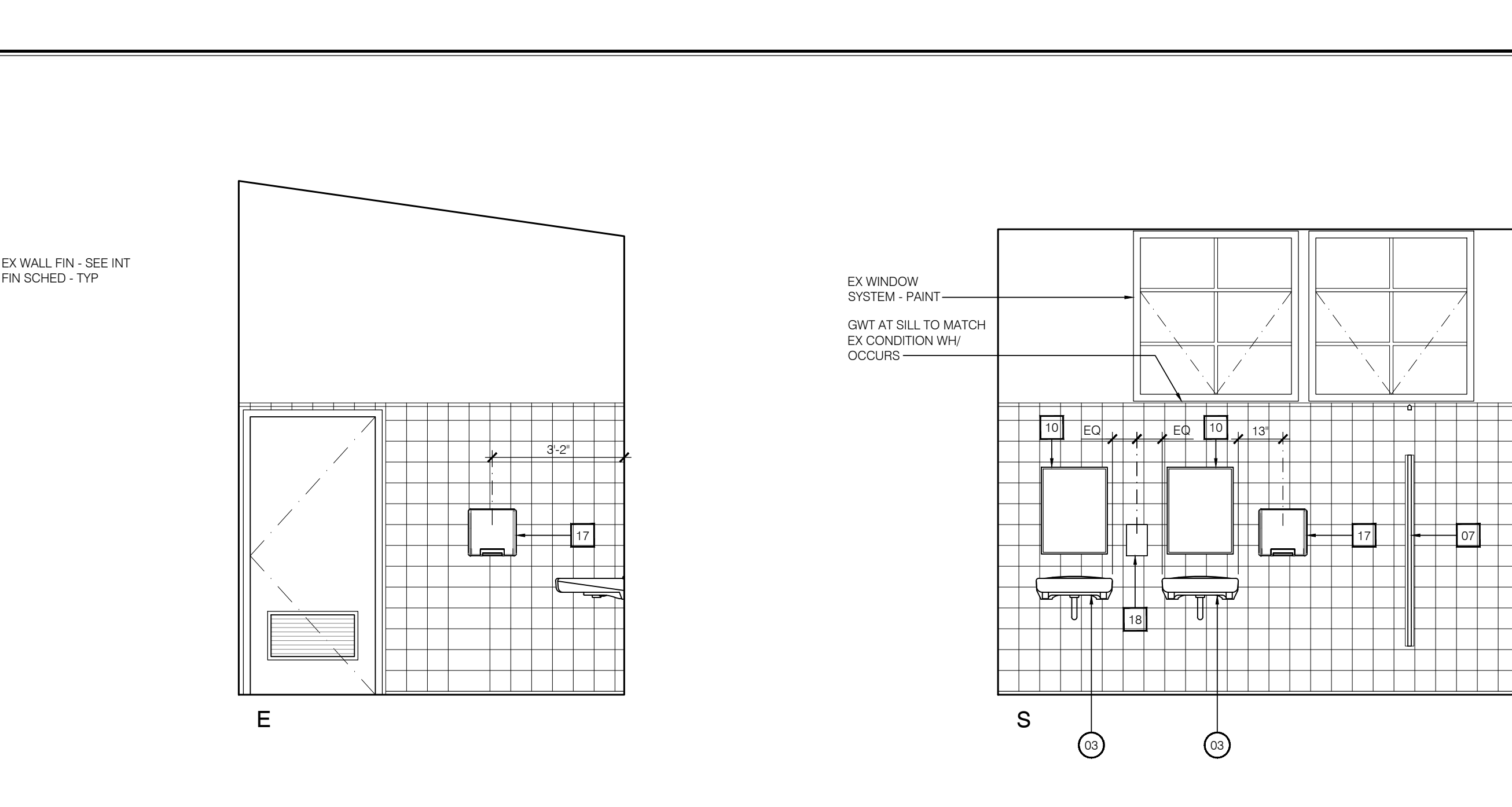
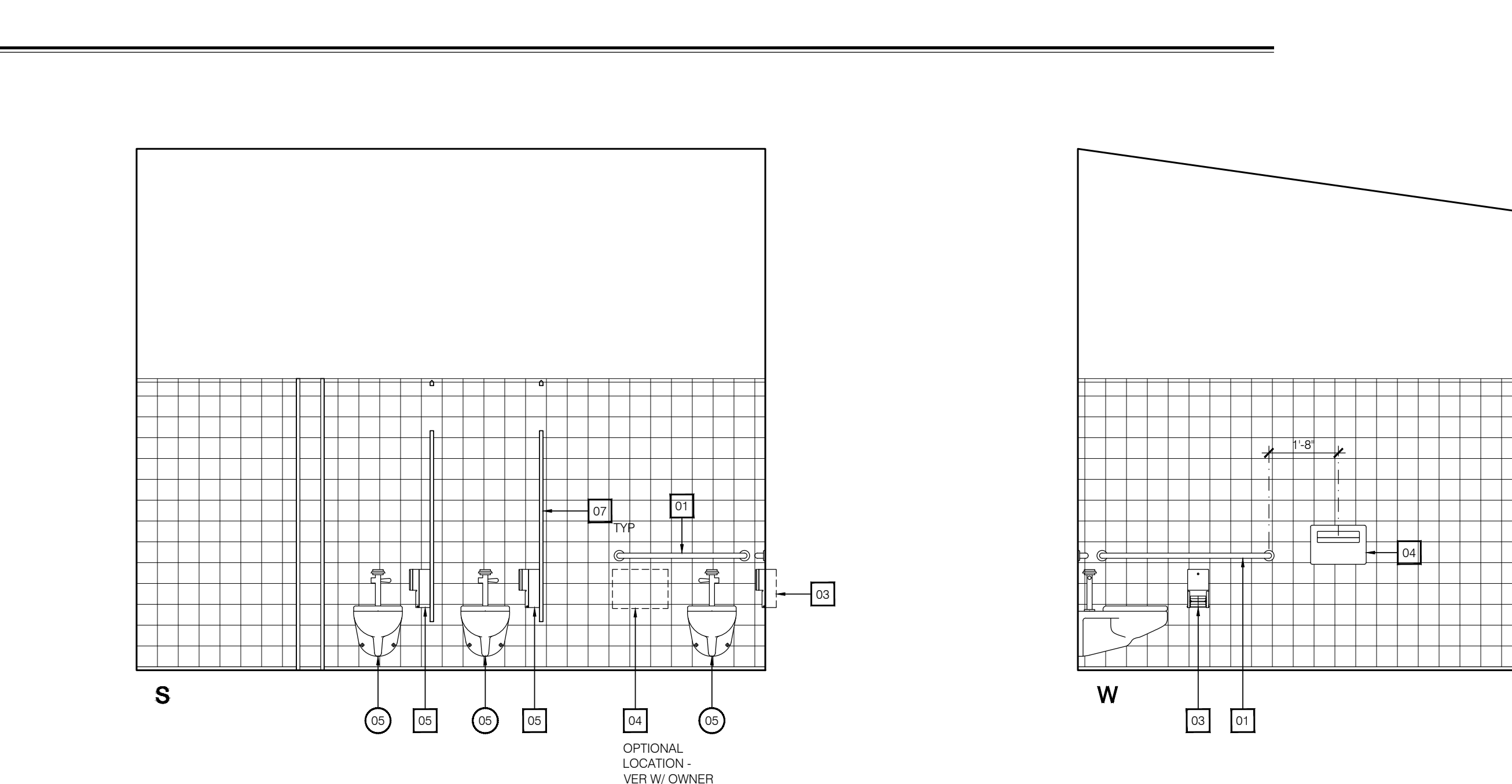
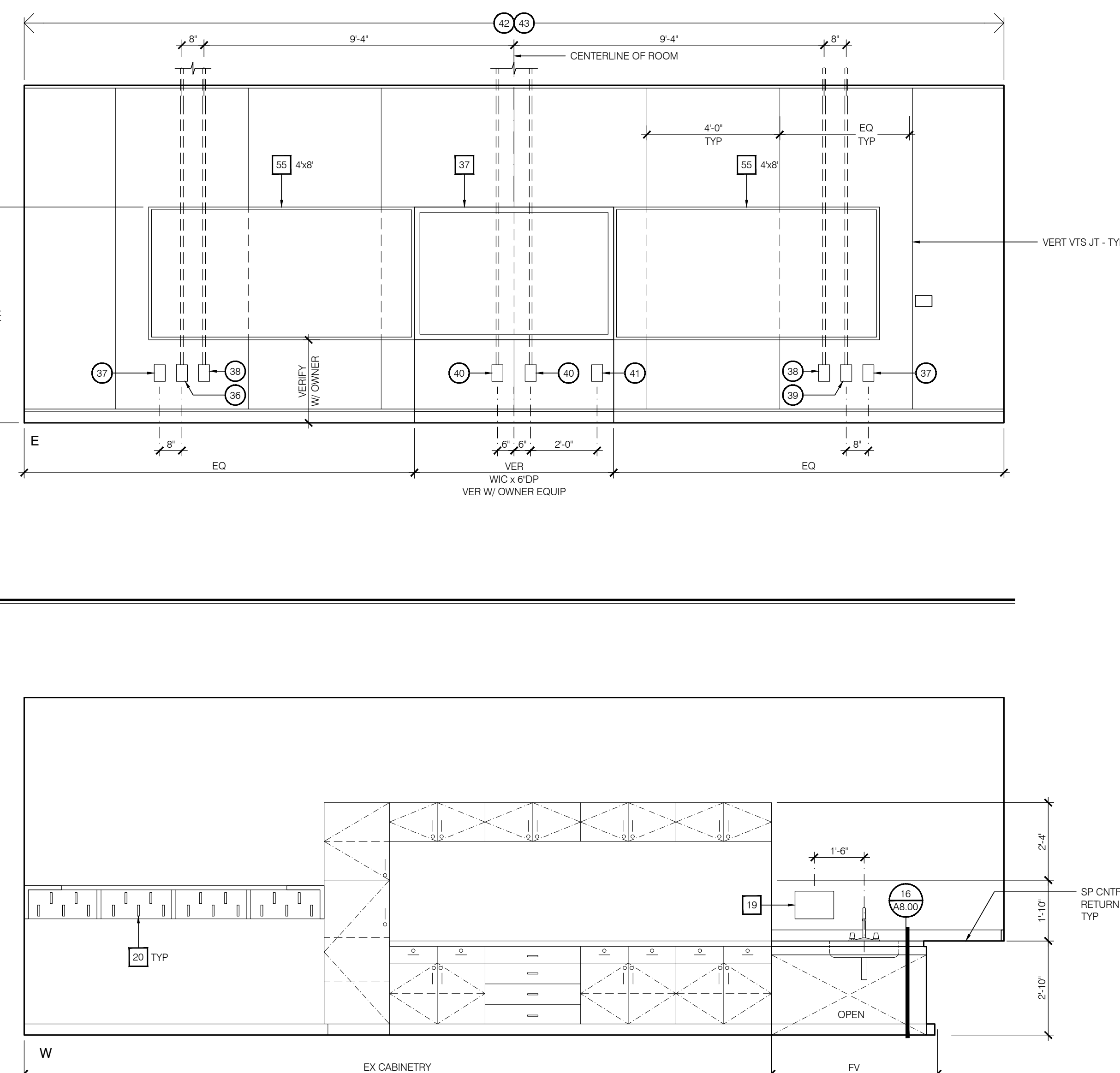
C8 Girls (Building C) (Cont.)

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



C10 Boys (Building C)

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



C10 Boys (Building C) (Cont.)

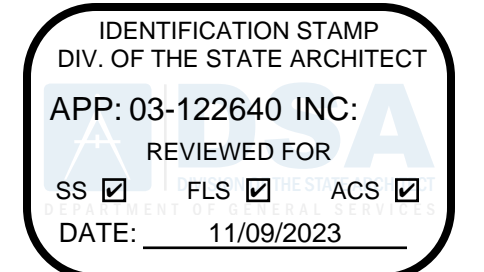
Scale: 3/8" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

- SEE MECH SHTS FOR THERMOSTAT LOCATIONS.
- SEE SHT A2.00 ACCESSORY SCHEDULE FOR ITEMS KEYO TO ACCESSORY.
- CABINET DOORS AND DRAWERS TO HAVE KEYO LOCKS UNO.
- ALL EXISTING SURFACE MTD RACEWAYS NOT SHOWN - FIELD VERIFY AND COORDINATE WITH WORK INDICATED.

INTERIOR ELEVATION KEYNOTES

- 01 CABINETRY - SEE INT ELVS FOR ADDT INFO
- 02 COUNTER MTD SINK AND FAUCET - SEE PLBG SHTS FOR ADDT INFO
- 03 WALL MTD SINK AND FAUCET - SEE PLBG SHTS FOR ADDT INFO
- 04 WALL MTD URINAL AND FLUSH VALVE - SEE PLBG SHTS FOR ADDT INFO
- 05 WALL MTD WATER CLOSET AND FLUSH VALVE - SEE PLBG SHTS FOR ADDT INFO
- 06 FLR MTD WATER CLOSET AND FLUSH VALVE - SEE PLBG SHTS FOR ADDT INFO
- 07 FLR DRAIN SEE FLUSH WITH TILE - SEE PLBG SHTS FOR ADDT INFO
- 08 NOT USED
- 09 NOT USED
- 10 NOT USED
- 11 NOT USED
- 12 NOT USED
- 13 NOT USED
- 14 NOT USED
- 15 EX ALUM WINDOW SYSTEM - EX WH/NOTED - SEE WINDOW SCHEDULE FOR ADDT INFO
- 16 NOT USED
- 17 CONC SLAB INFILL AT DEPRESSED SLAB
- 18 CONC SLAB INFILL AT UTILITY TRENCH
- 19 LINE OF REPLACED/ REINSTALLED CARPET TILES AS REQUIRED
- 20 EXISTING FLOOR MOUNTED TOILET WITH TOILET SET AT +1'7" AND TOUCHLESS FLUSH VALVE
- 21 EXISTING WALL MOUNTED URINAL WITH RIM AT +1'7" AND TOUCHLESS FLUSH VALVE
- 22 NOT USED
- 23 EXISTING WALL MOUNTED SINK WITH FAUCET AT +34" MAX AND +29" MIN CLEARANCE
- 24 NOT USED
- 25 EXISTING MIRROR MOUNTED AT MAX +40" TO MIRROR SURFACE
- 26 EXISTING FLOOR MOUNTED PARTITION SYSTEM
- 27 NOT USED
- 28 NOT USED
- 29 NOT USED
- 30 EXISTING WALL MOUNTED TOILET PAPER DISPENSER
- 31 NOT USED
- 32 NOT USED
- 33 NOT USED
- 34 NOT USED
- 35 EXISTING WALL MOUNTED TOILET W/ TOILET SEAT AT +1'7"
- 36 J BOX ONLY (DATA OUTLET) - 3/4" CONDUIT STUBBED ABOVE CEILING
- 37 STANDARD SURGE PROTECTED DUPLEX OUTLET - LOCATE OUTLETS AS INDICATED ON THE PLAN
- 38 DOUBLE GANG DEEP MUD RING - LOCATE AT STANDARD HEIGHT. PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MUD RING TO ABOVE CEILING. NO HARD CONNECTIONS AT MUD RING. PROVIDE FULL STRING.
- 39 SINGLE GANG DEEP MUD RING - LOCATE AT STANDARD HEIGHT. PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MUD RING TO ABOVE CEILING. NO HARD CONNECTION AT MUD RING. PROVIDE FULL STRING.
- 40 SINGLE GANG DEEP MUD RING AT STANDARD HEIGHT. PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MUD RING TO ABOVE CEILING. NO HARD CONNECTION AT MUD RING. PROVIDE FULL STRING.
- 41 WALL MOUNTED SURGE PROTECTED QUADPLEX OUTLET - LOCATE AT STANDARD WALL OUTLET HEIGHT.
- 42 REMOVE AND REPLACE EX PWD WALL FIN AS REQUIRED TO INSTALL ELEC COMM CONDUITS AND BOXES
- 43 REMOVE EX W/O TRIM AS REQUIRED TO INSTALL VTS WALL FIN (REMOVE EX VES FIN WH OCCURS)
- 44 PWD SHGT TO MATCH EX
- 45 VTS OVER PWD SUBSTRATE TO MATCH EX

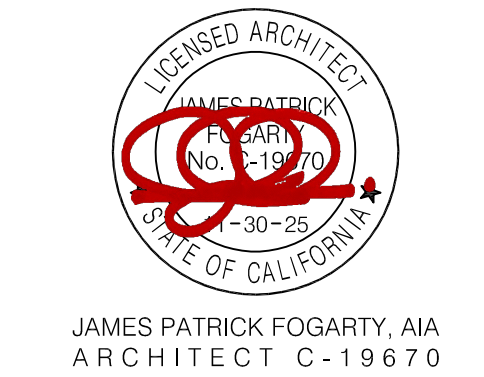


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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School
607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



CONSULTANT

PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15-6
DSA No	03-122640

REVISIONS

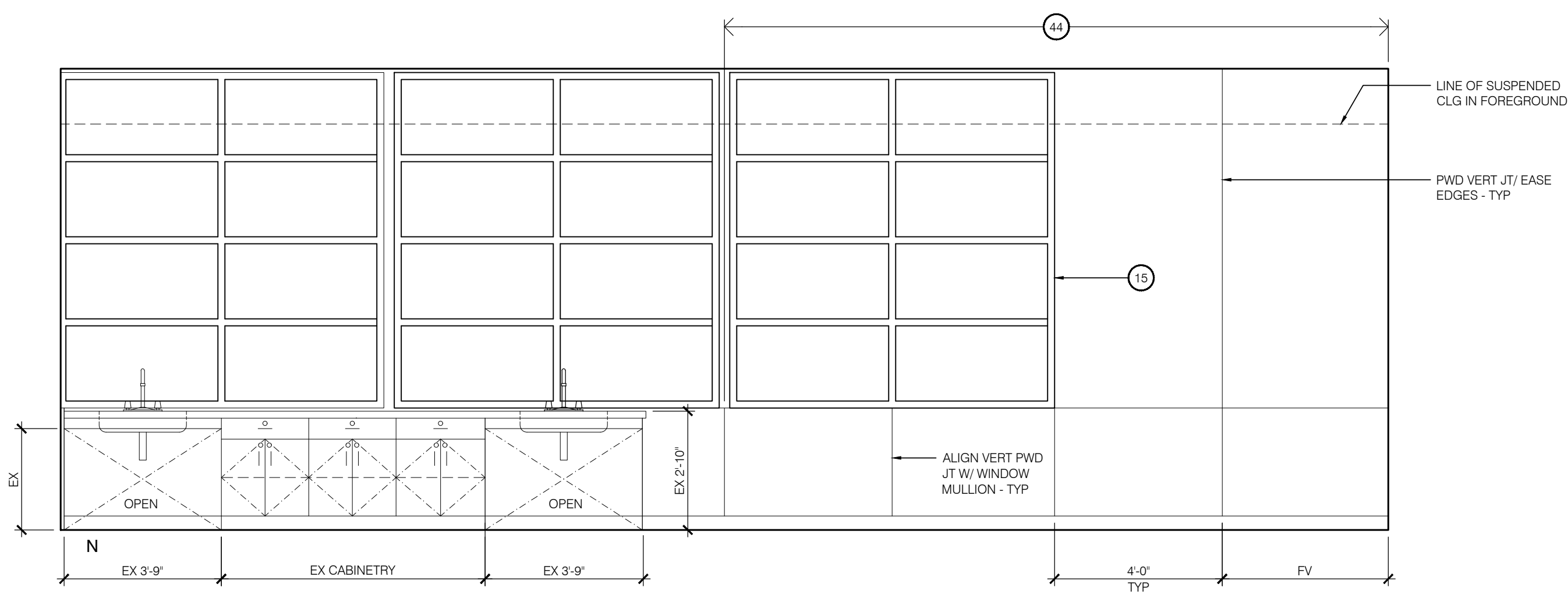
No	Date	Item
01	00.00.08	DESCRIPTION

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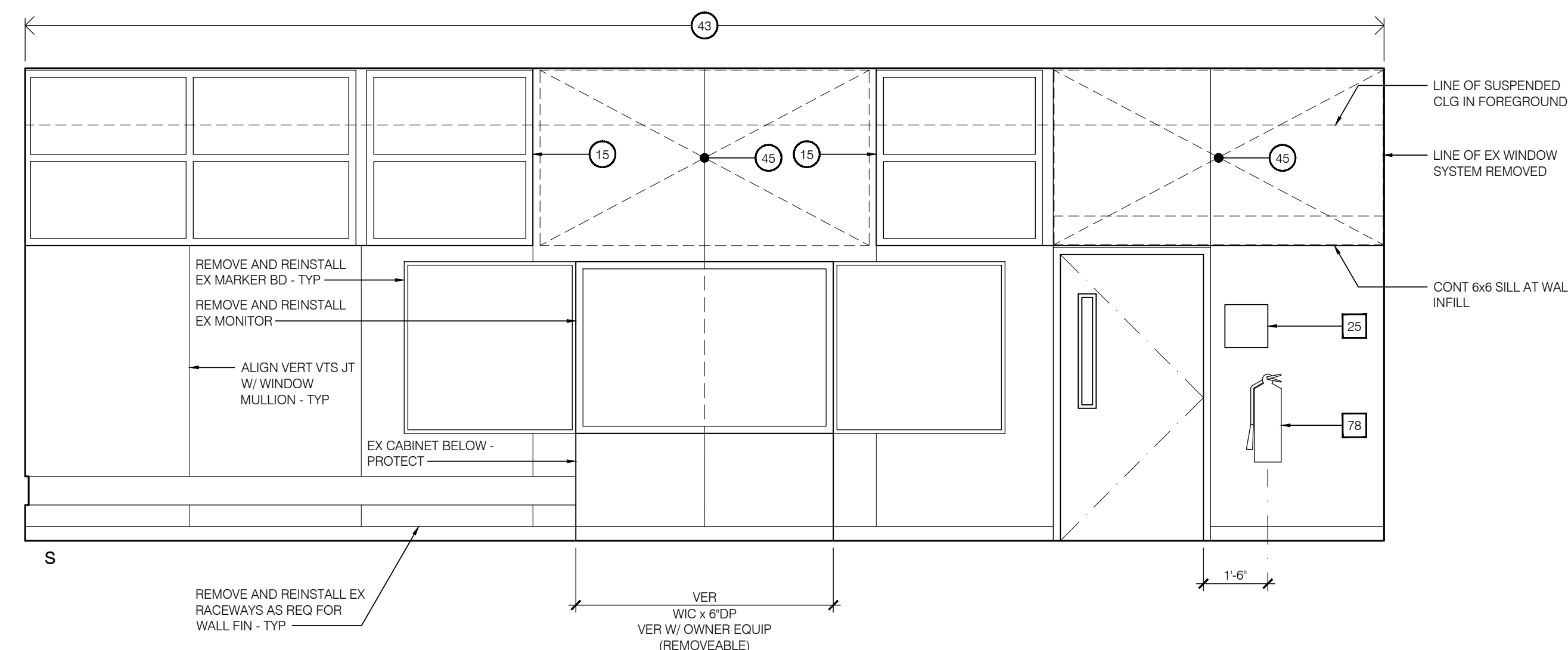
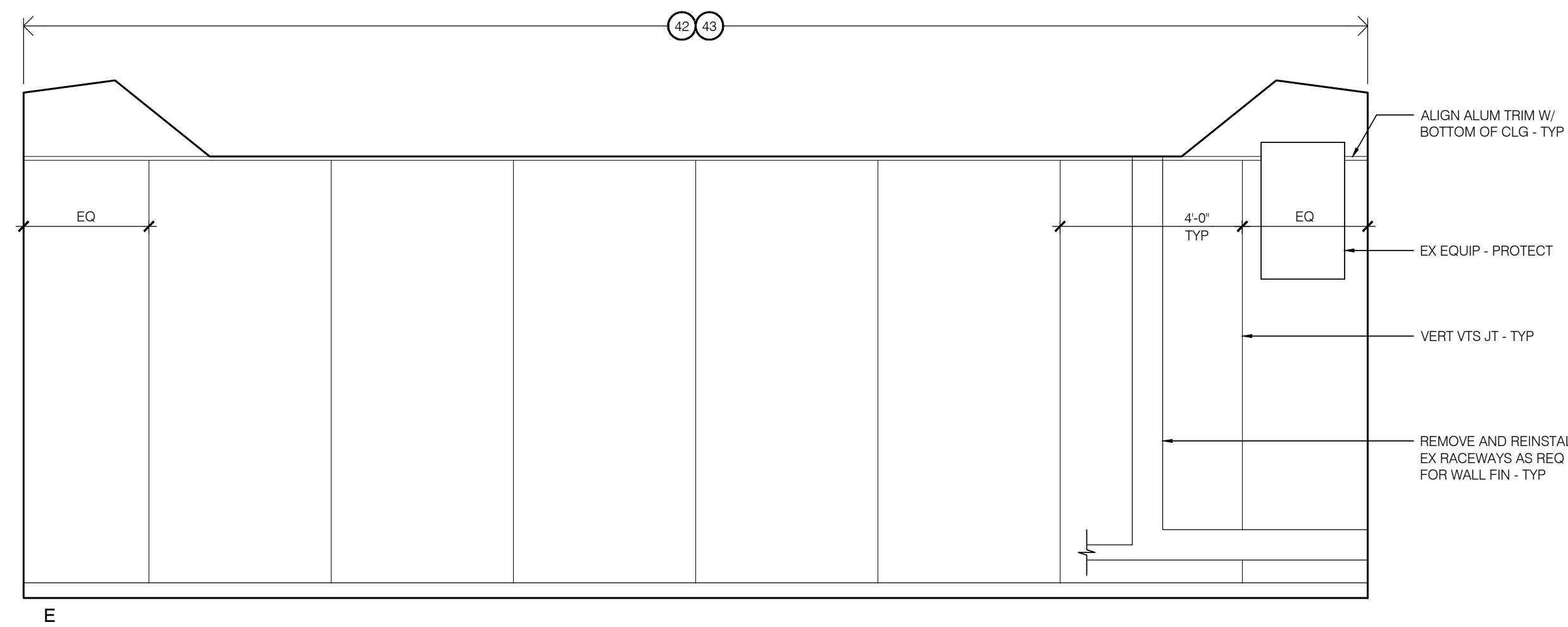
INTERIOR ELEVATIONS

A6.02



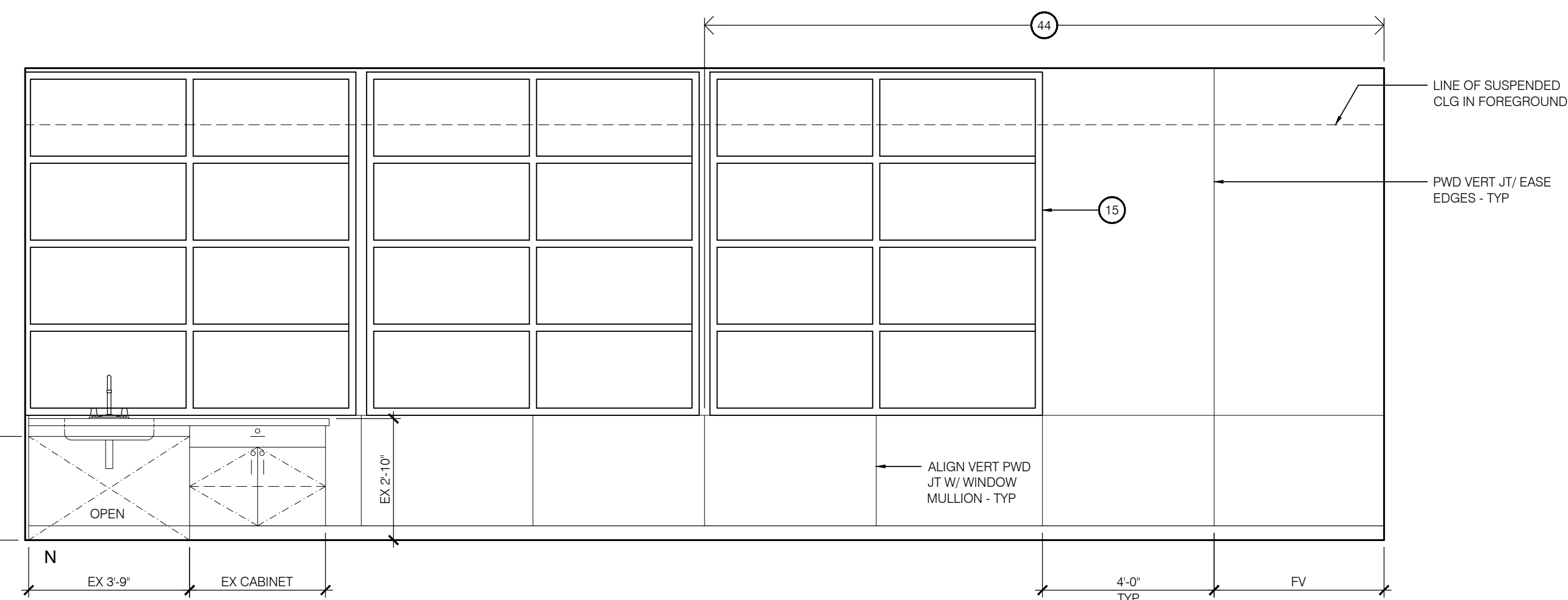
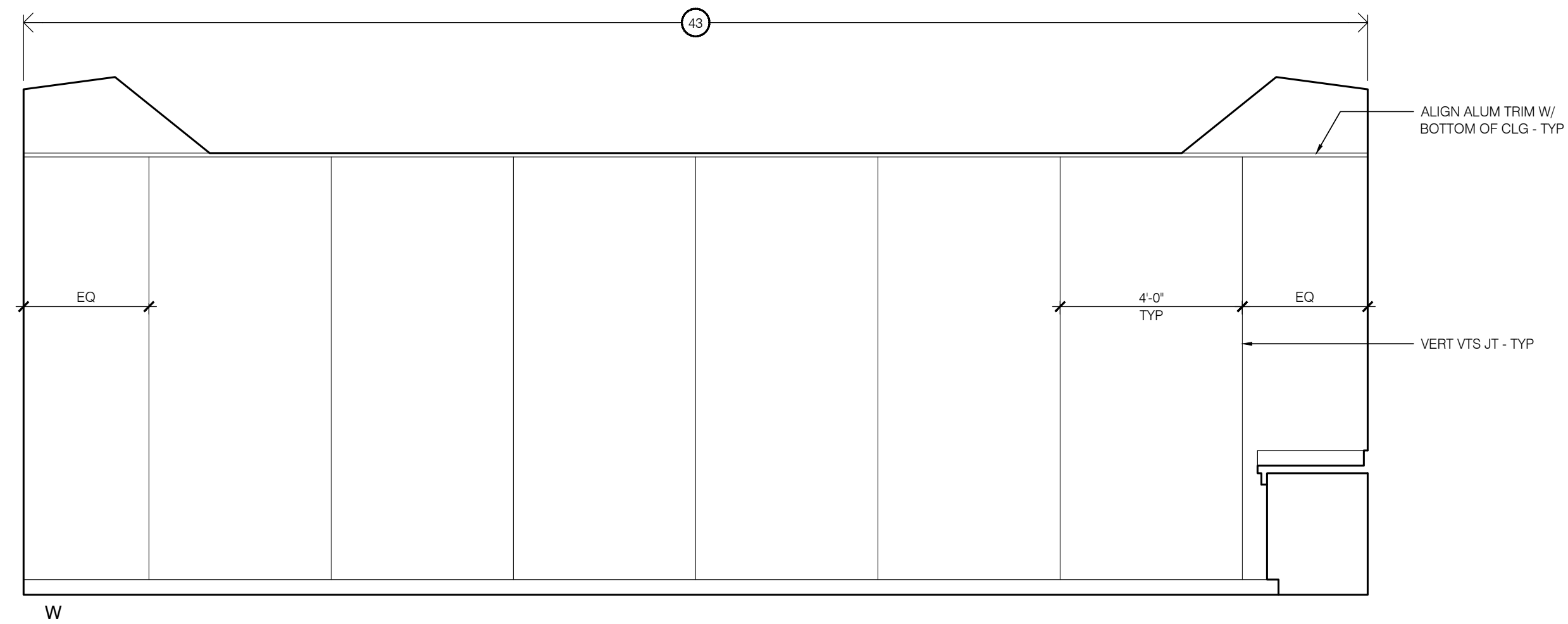
D7 Classroom

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



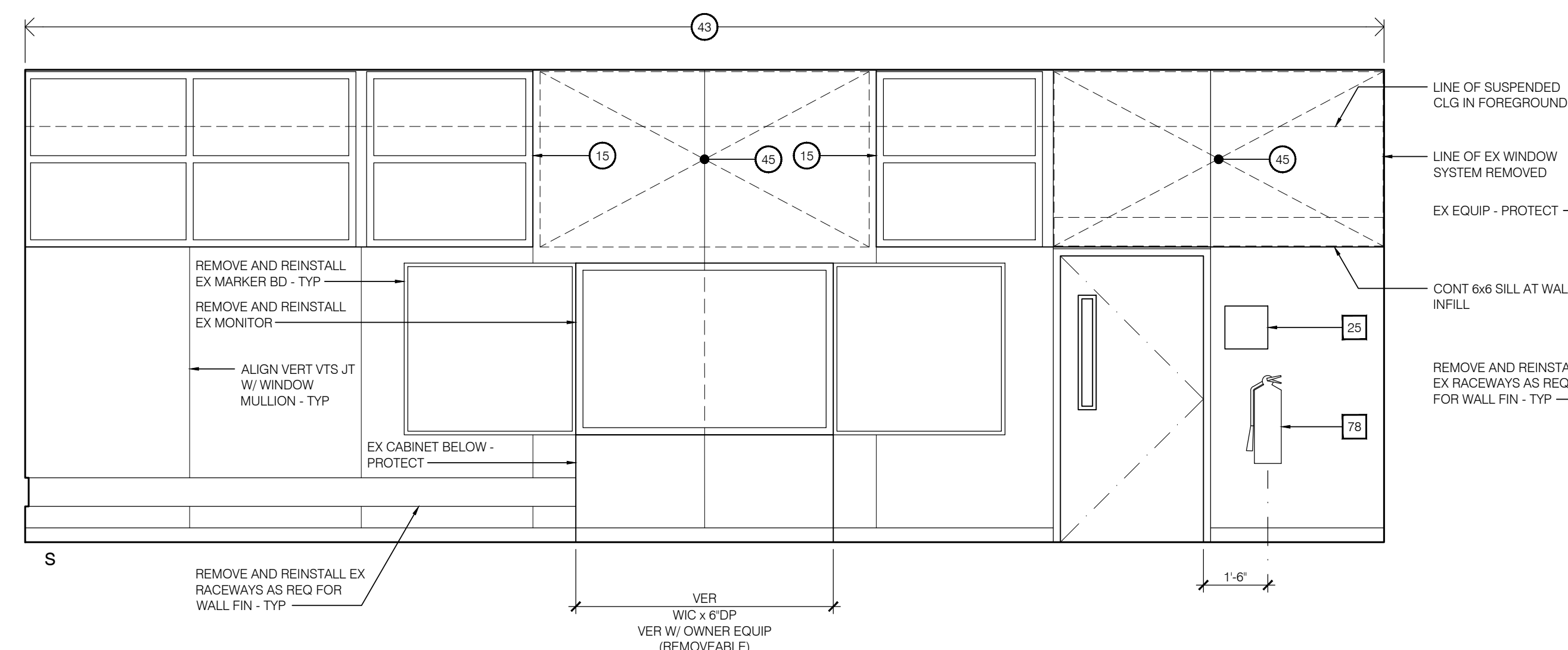
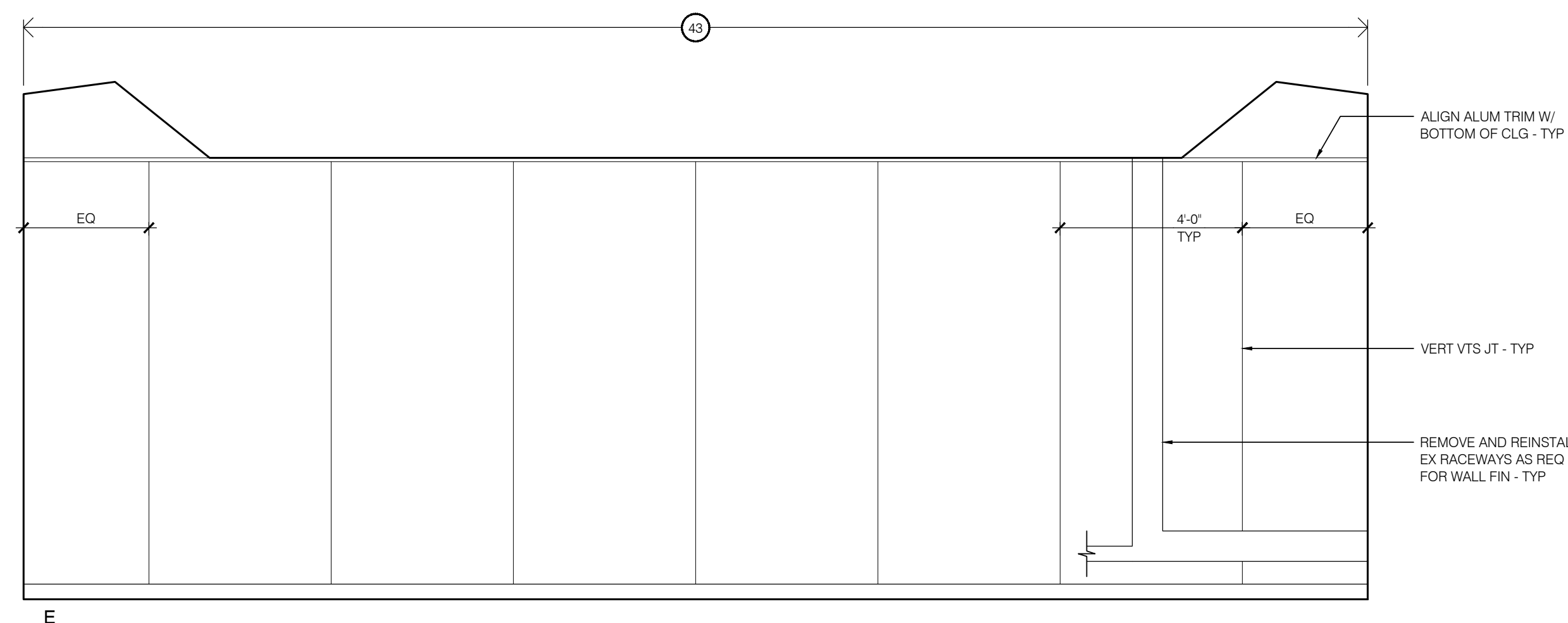
D7 Classroom (Cont.)

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



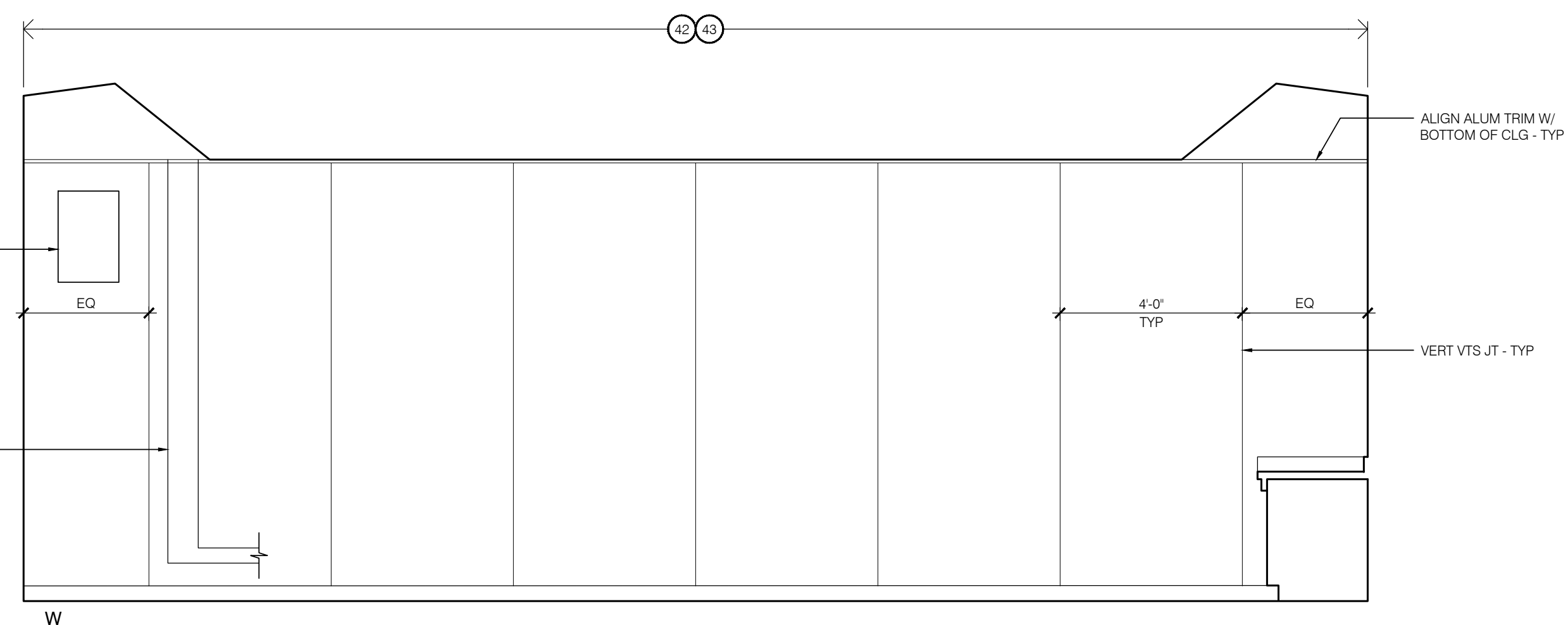
D8 Classroom

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



D8 Classroom (Cont.)

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

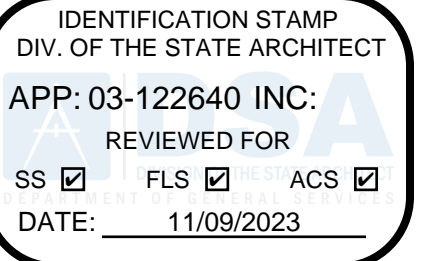


GENERAL INTERIOR ELEVATION NOTES

- SEE MECH SHTS FOR THERMOSTAT LOCATIONS.
- SEE SHT A2.00 ACCESSORY SCHEDULE FOR ITEMS KEYED TO ACCESSORY.
- CABINET DOORS AND DRAWERS TO HAVE KEYPED LOCKS UNO.
- ALL EXISTING SURFACE MTD RACEWAYS NOT SHOWN - FIELD VERIFY AND COORDINATE WITH WORK INDICATED.

INTERIOR ELEVATION KEYNOTES

- 11 CABINETRY - SEE INT ELEV FOR ADDIT INFO
- 12 COUNTER MTD SINK AND FAUCET - SEE PLBG SHTS FOR ADDIT INFO
- 13 WALL MTD SINK AND FAUCET - SEE PLBG SHTS FOR ADDIT INFO
- 14 WALL MTD URINAL AND FLUSH VALVE - SEE PLBG SHTS FOR ADDIT INFO
- 15 WALL MTD WATER CLOSET AND FLUSH VALVE - SEE PLBG SHTS FOR ADDIT INFO
- 16 FLR MTD WATER CLOSET AND FLUSH VALVE - SEE PLBG SHTS FOR ADDIT INFO
- 17 FLR DRAIN SEE FLUSH WITH TILE - SEE PLBG SHTS FOR ADDIT INFO
- 18 NOT USED
- 19 NOT USED
- 20 NOT USED
- 21 NOT USED
- 22 NOT USED
- 23 NOT USED
- 24 NOT USED
- 25 EX ALUM WINDOW SYSTEM - EX WH/NOTED - SEE WINDOW SCHEDULE FOR ADDIT INFO
- 26 CONC SLAB INFILL AT DEPRESSED SLAB
- 27 CONC SLAB INFILL AT UTILITY TRENCH
- 28 LINE OF REPLACED/ REINSTALLED CARPET TILES AS REQUIRED
- 29 EXISTING FLOOR MOUNTED TOILET WITH TOILET SET AT +1'7" AND TOUCHLESS FLUSH VALVE
- 30 EXISTING WALL MOUNTED URINAL WITH RIM AT +1'7" AND TOUCHLESS FLUSH VALVE
- 31 NOT USED
- 32 EXISTING WALL MOUNTED SINK WITH FAUCET AT +34" MAX AND +29" MIN CLEARANCE
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- 48 SINGLE GANG DEEP MUD RING AT STANDARD HEIGHT. PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MUD RING TO ABOVE CEILING. NO HARD CONNECTION AT MUD RING. PROVIDE PULL STRING.
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- 52 PWD SHGT TO MATCH EX
- 53 VTS OVER PWD SUBSTRATE TO MATCH EX

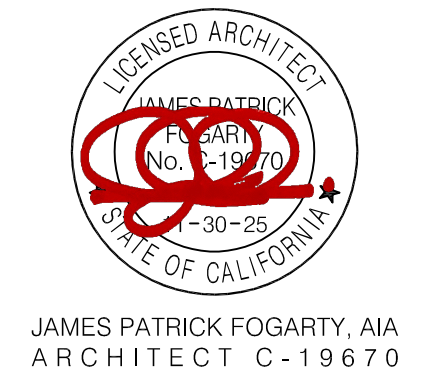


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CAMPUS HVAC SYSTEM UPGRADE

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Bakersfield City School District

ARCHITECT



CONSULTANT

PROJECT INFO

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Date	09.08.23
DSA File No	15.6
DSA No	03-122640

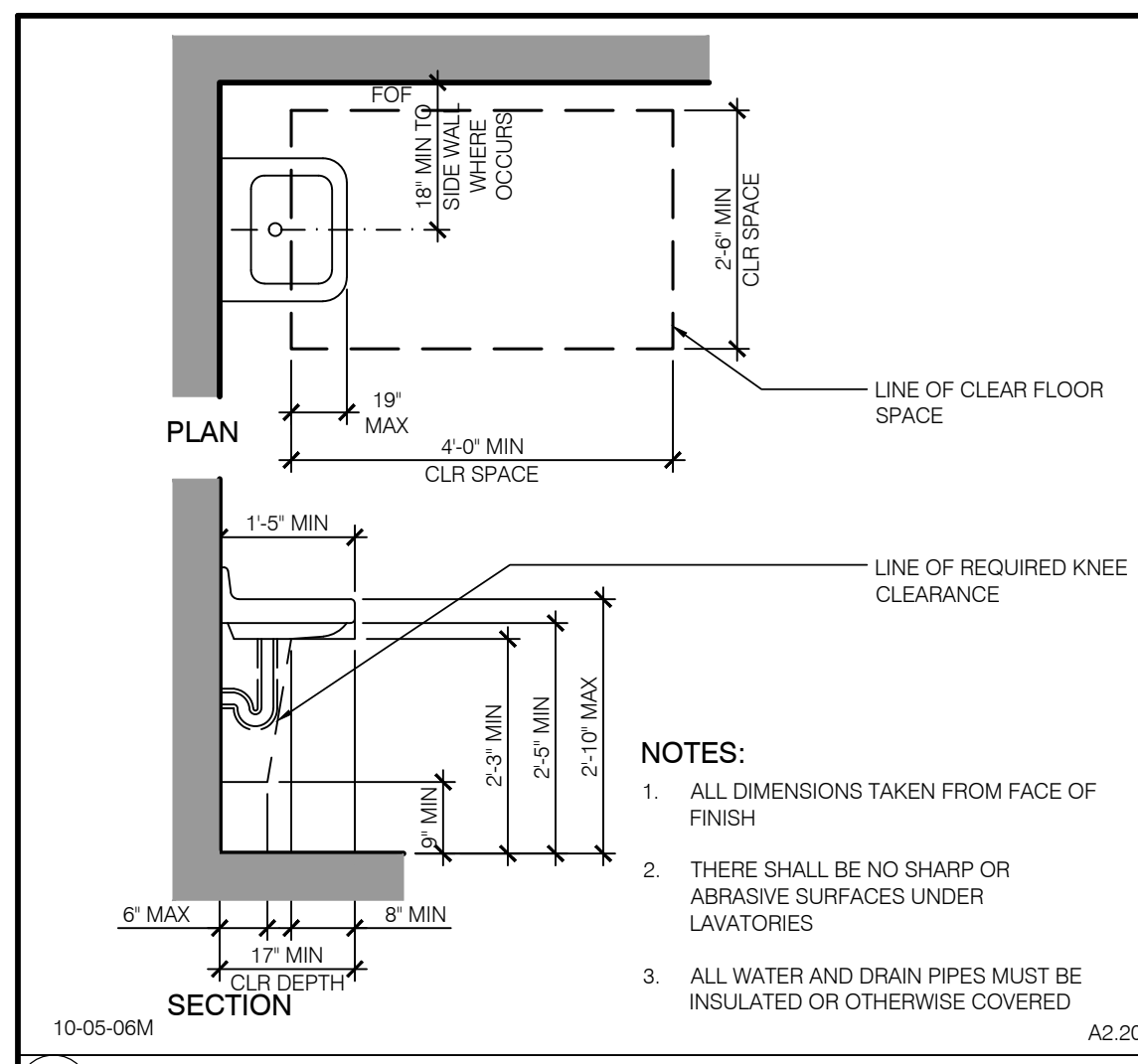
REVISIONS

No	Date	Item
1	00.00.08	DESCRIPTION

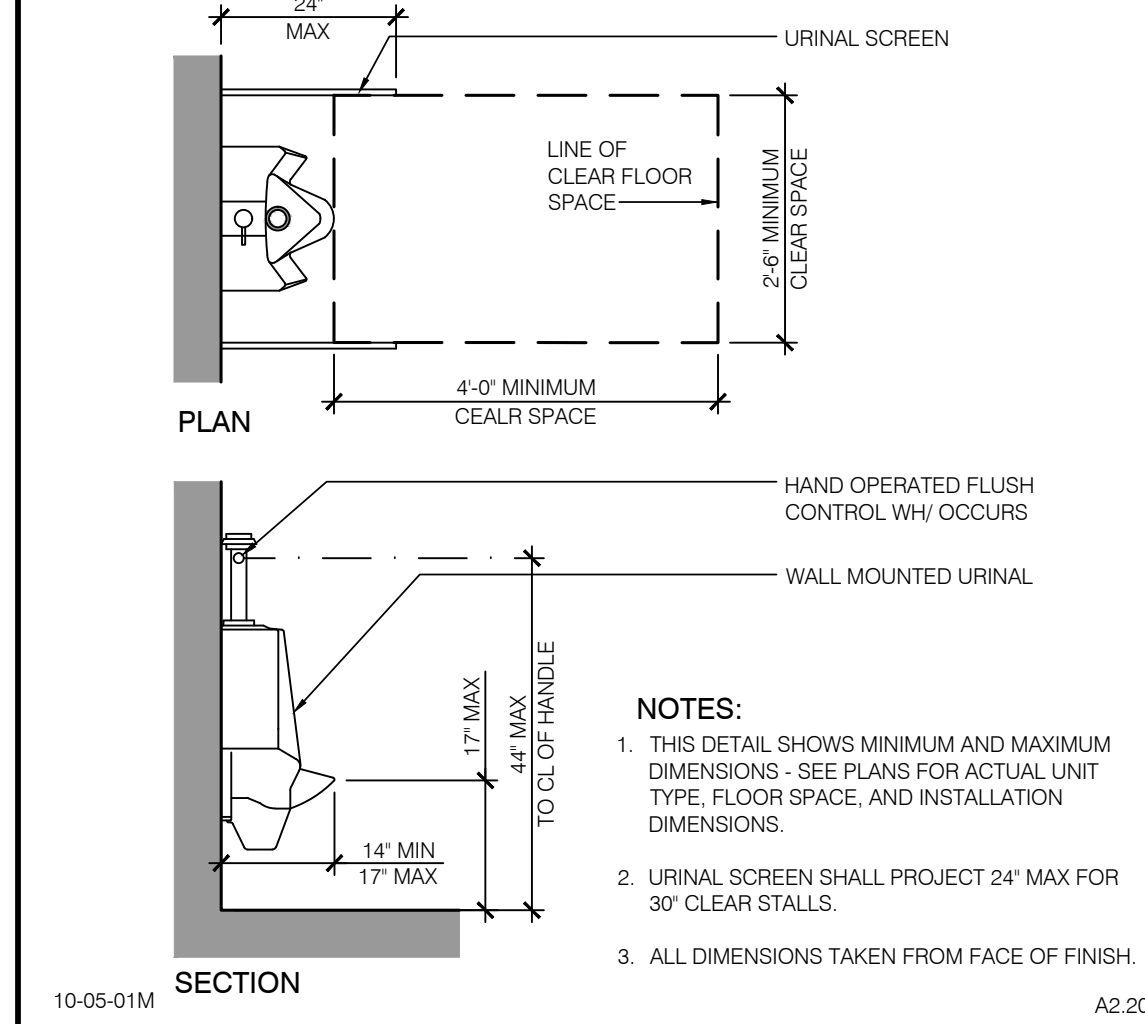
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INTERIOR ELEVATIONS

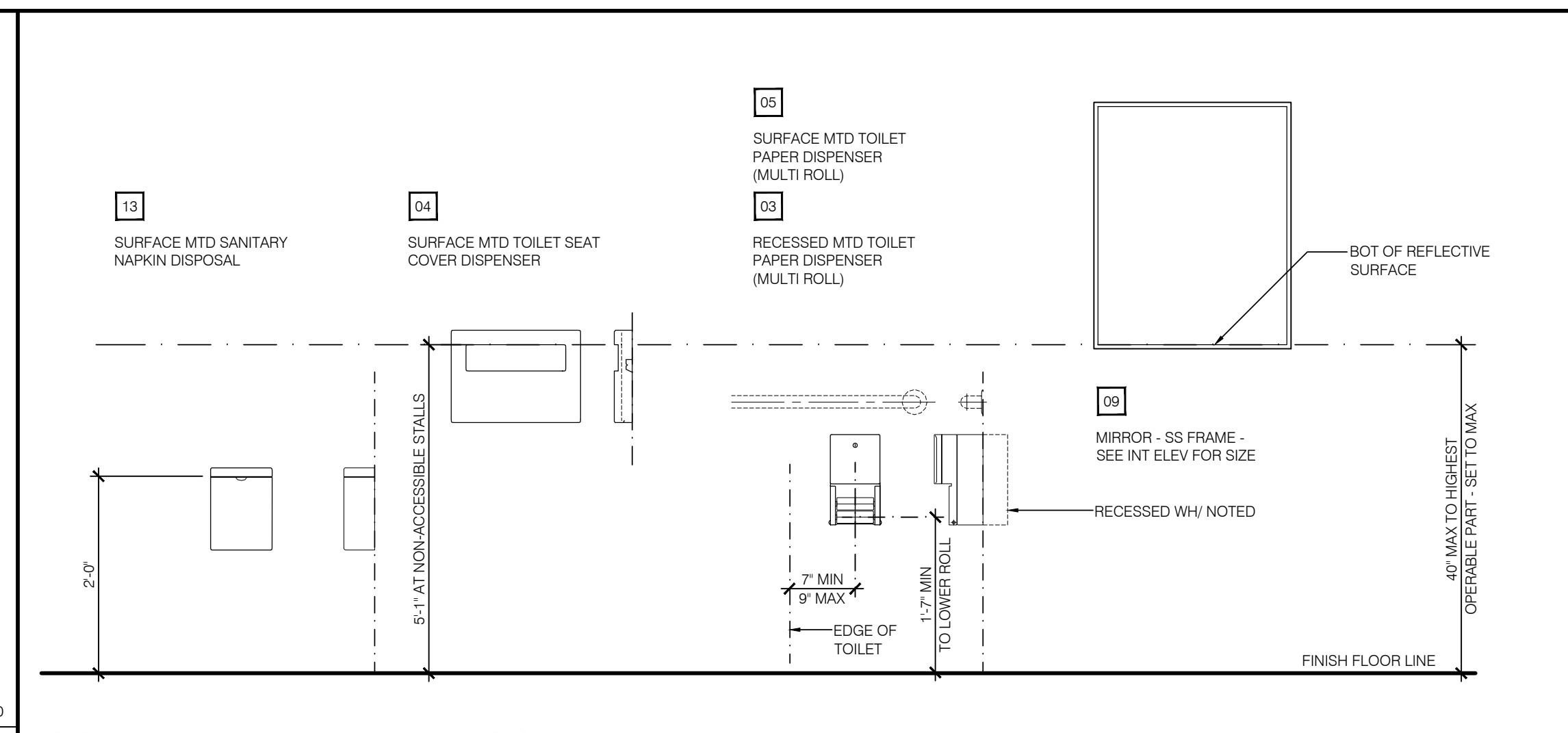
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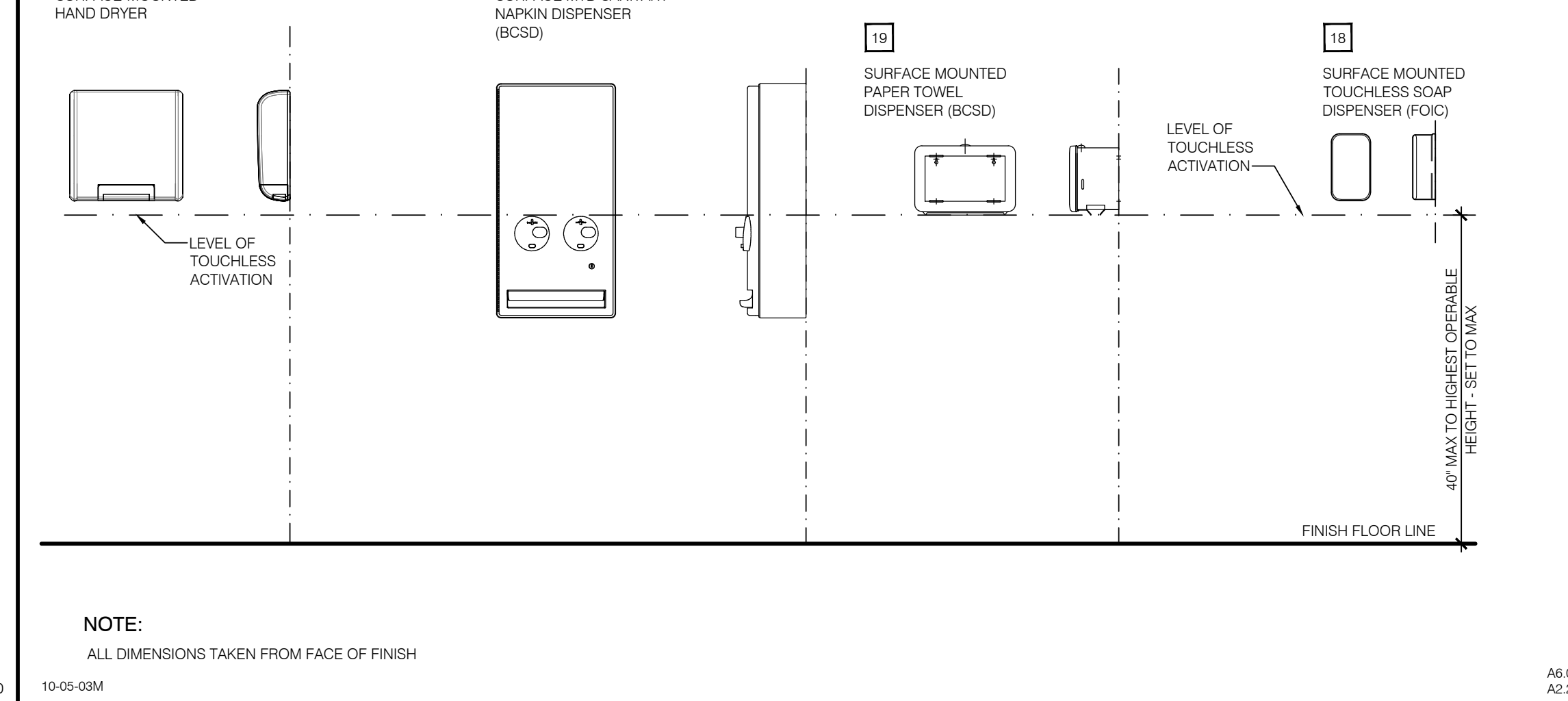
11) ACCESSIBLE LAVATORY REQUIREMENTS : 1/2"



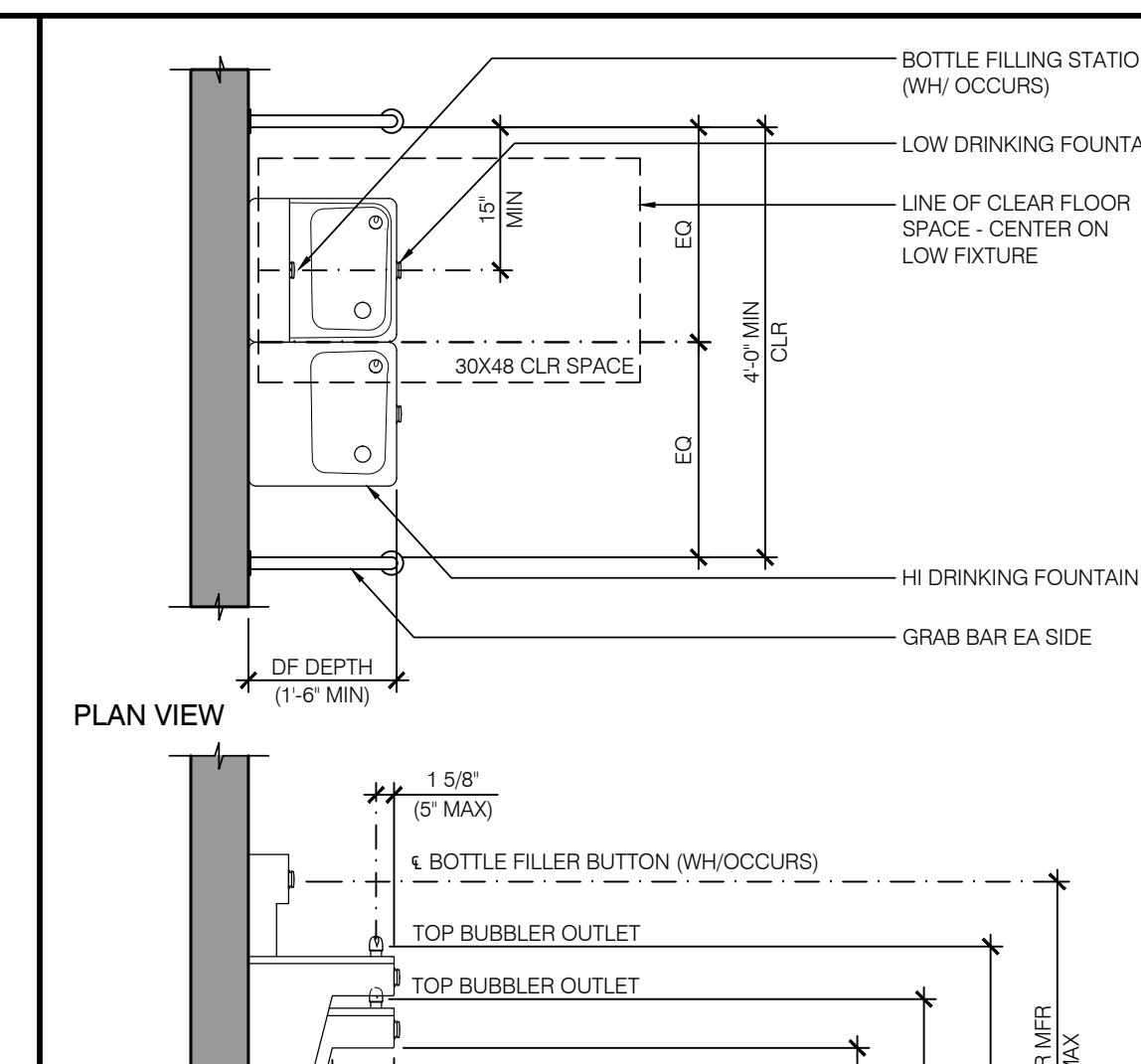
21) ACCESSIBLE URINAL REQUIREMENTS : 1/2"



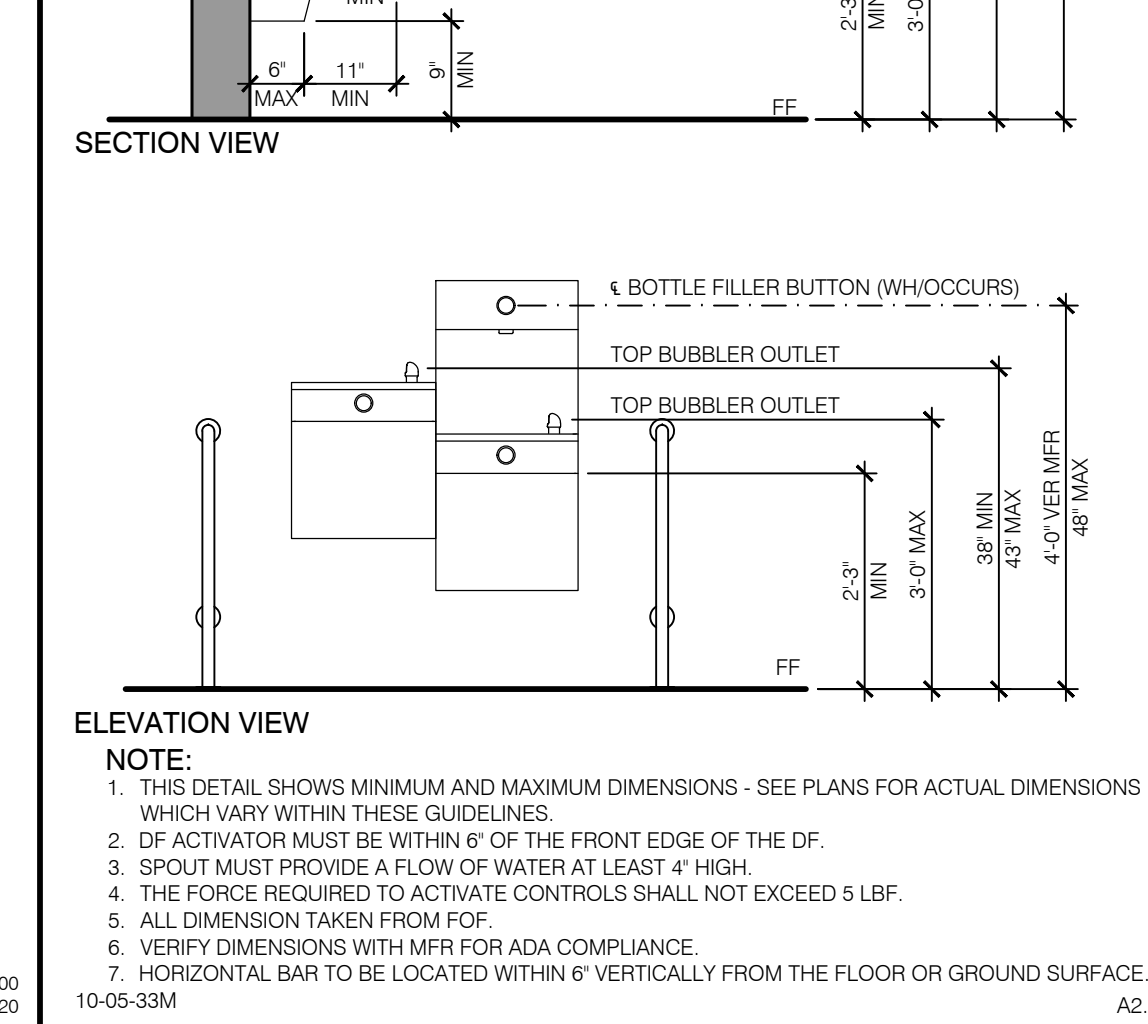
13) SURFACE MTD SANITARY NAPKIN DISPOSAL, 14) SURFACE MTD TOILET SEAT COVER DISPENSER, 15) SURFACE MTD TOILET PAPER DISPENSER (MULTI ROLL), 16) SURFACE MTD TOILET PAPER DISPENSER (MULTI ROLL), 17) SURFACE MOUNTED HAND DRYER, 18) SURFACE MOUNTED PAPER TOWEL DISPENSER (BCSD), 19) SURFACE MOUNTED TOUCHLESS SOAP DISPENSER (FOC), 20) MIRROR - SS FRAME - SEE INT ELEV FOR SIZE, 21) RECESSED WH NOTED, 22) FINISH FLOOR LINE, 23) 4\"/>



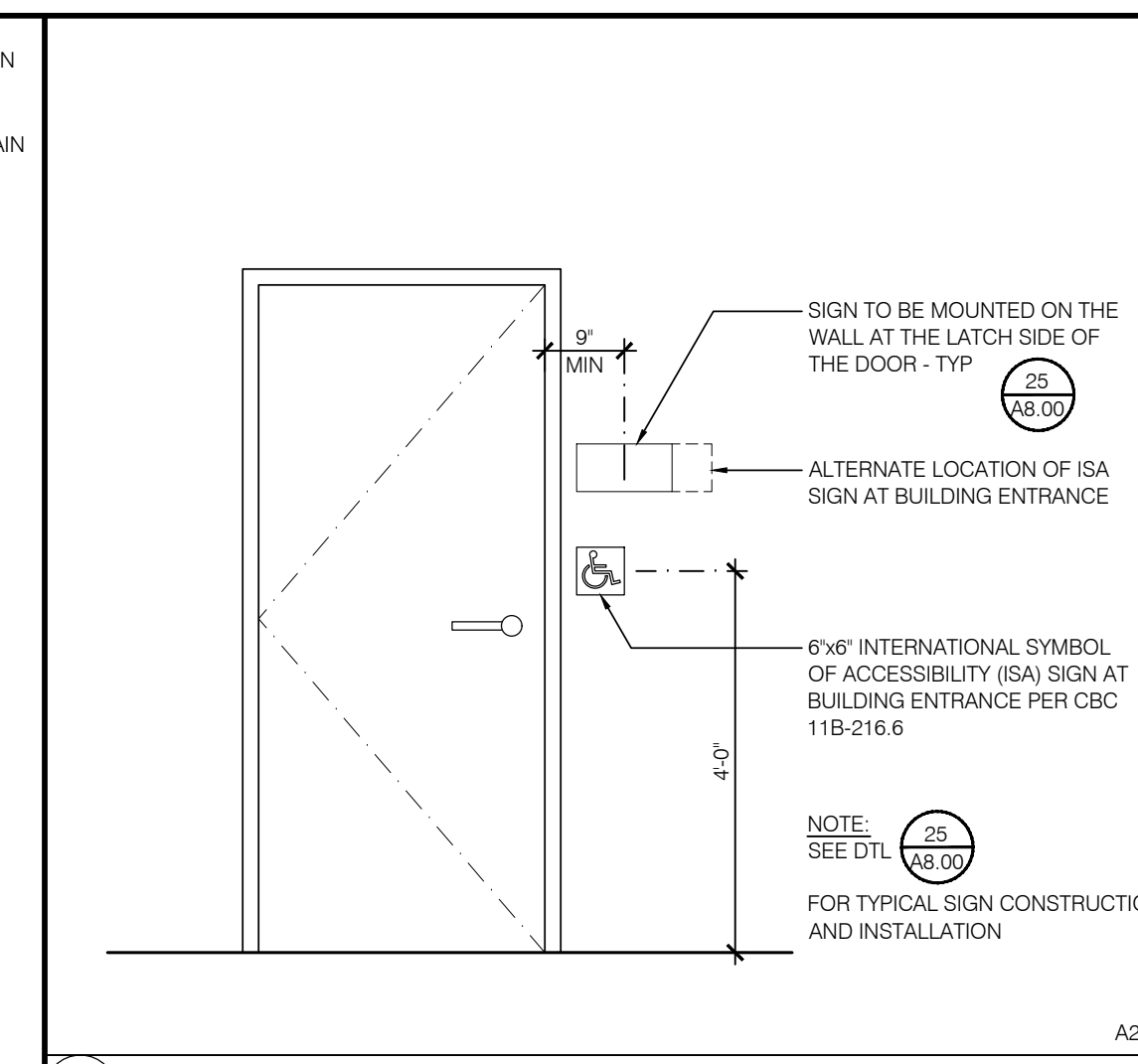
22) ACCESSORY MOUNTING HEIGHTS (UNO) : 3/4"



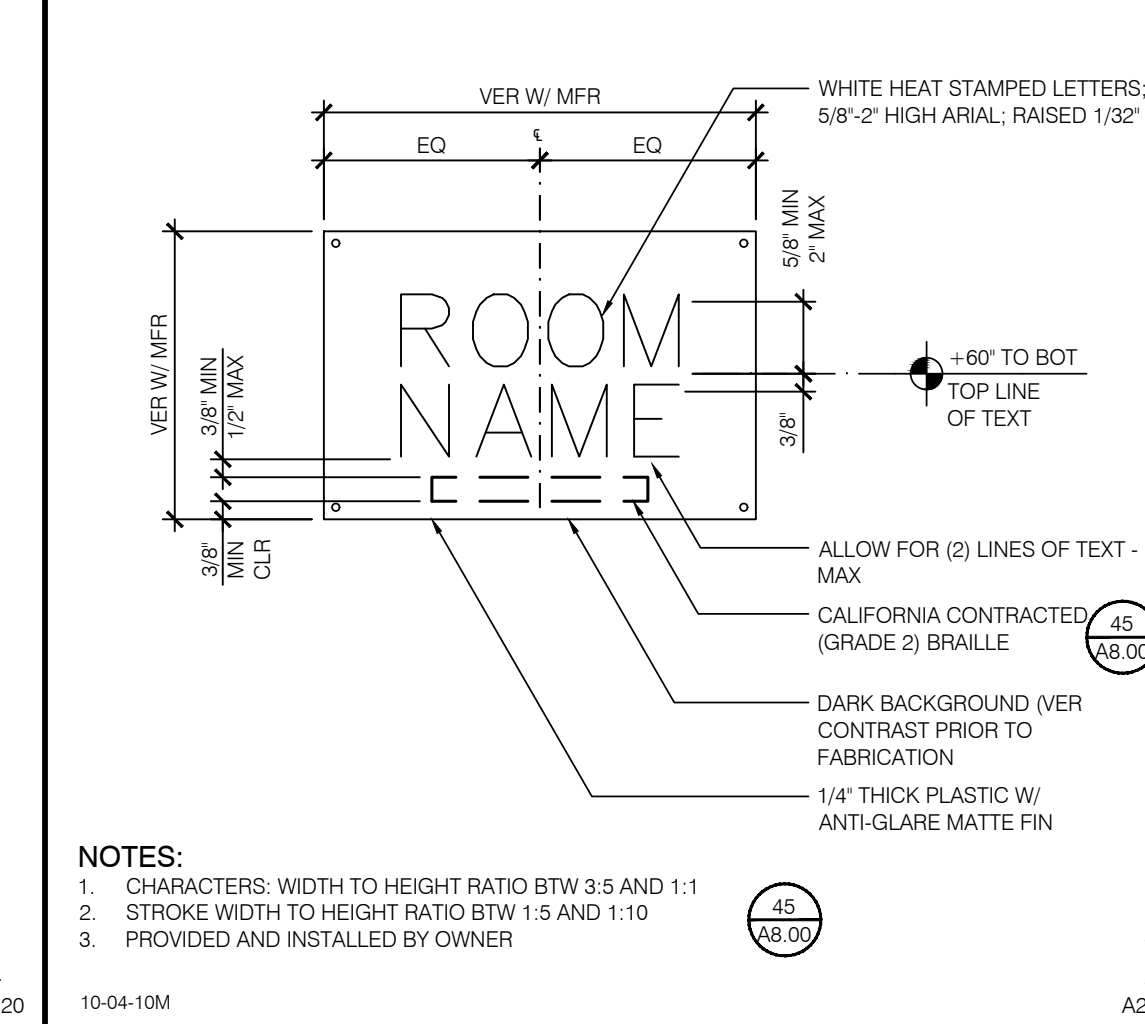
24) ACCESSIBLE DF REQUIREMENTS W/ BOTTLE FILLER 1/2"



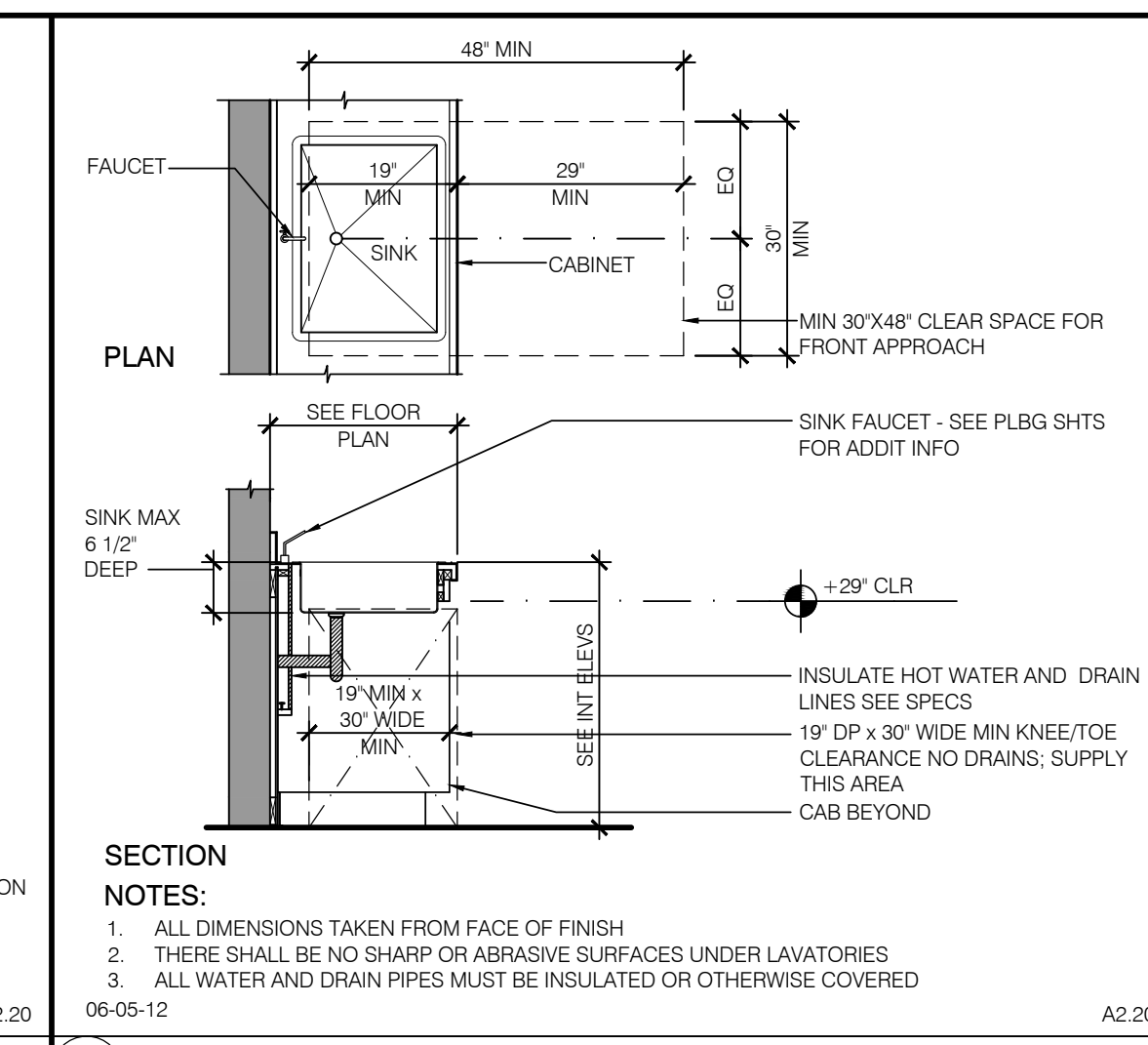
25) ROOM SIGN (BCSD) : 3"



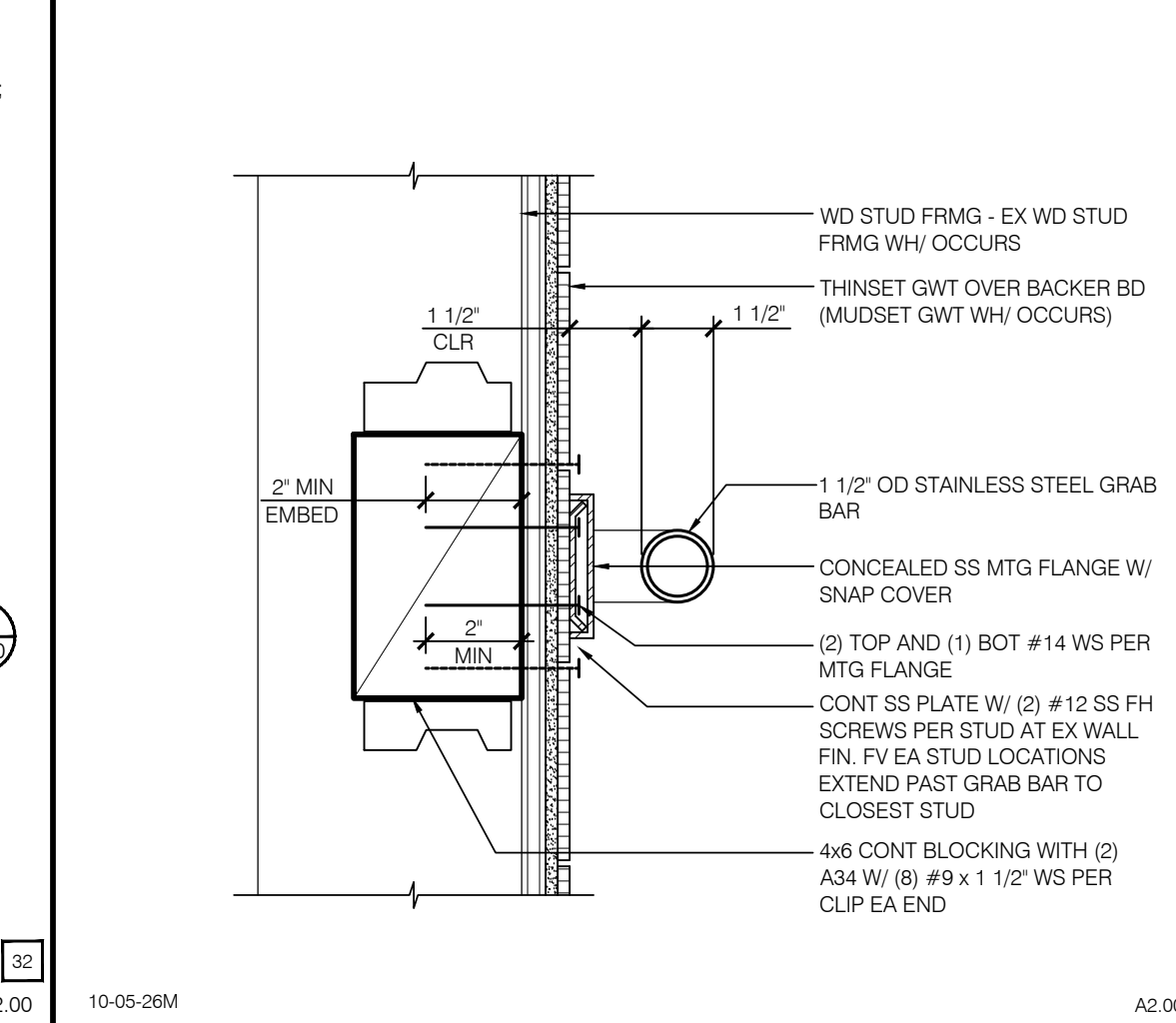
15) TYPICAL DOOR SIGN INSTALLATION : 1/2"



26) GRAB BAR AT WOOD STUD : 3"

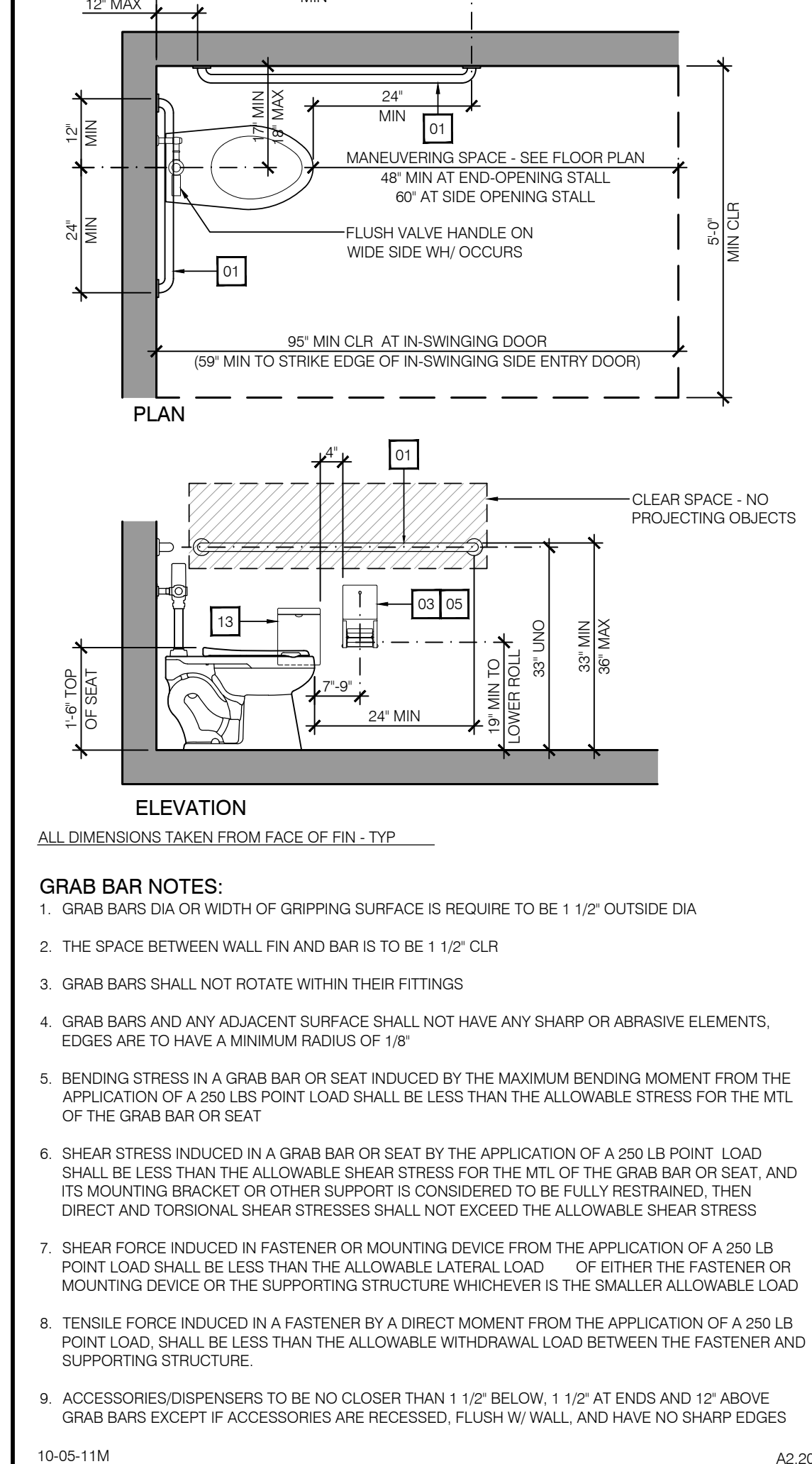


16) ACCESSIBLE SINK AT CABINET : 1/2"



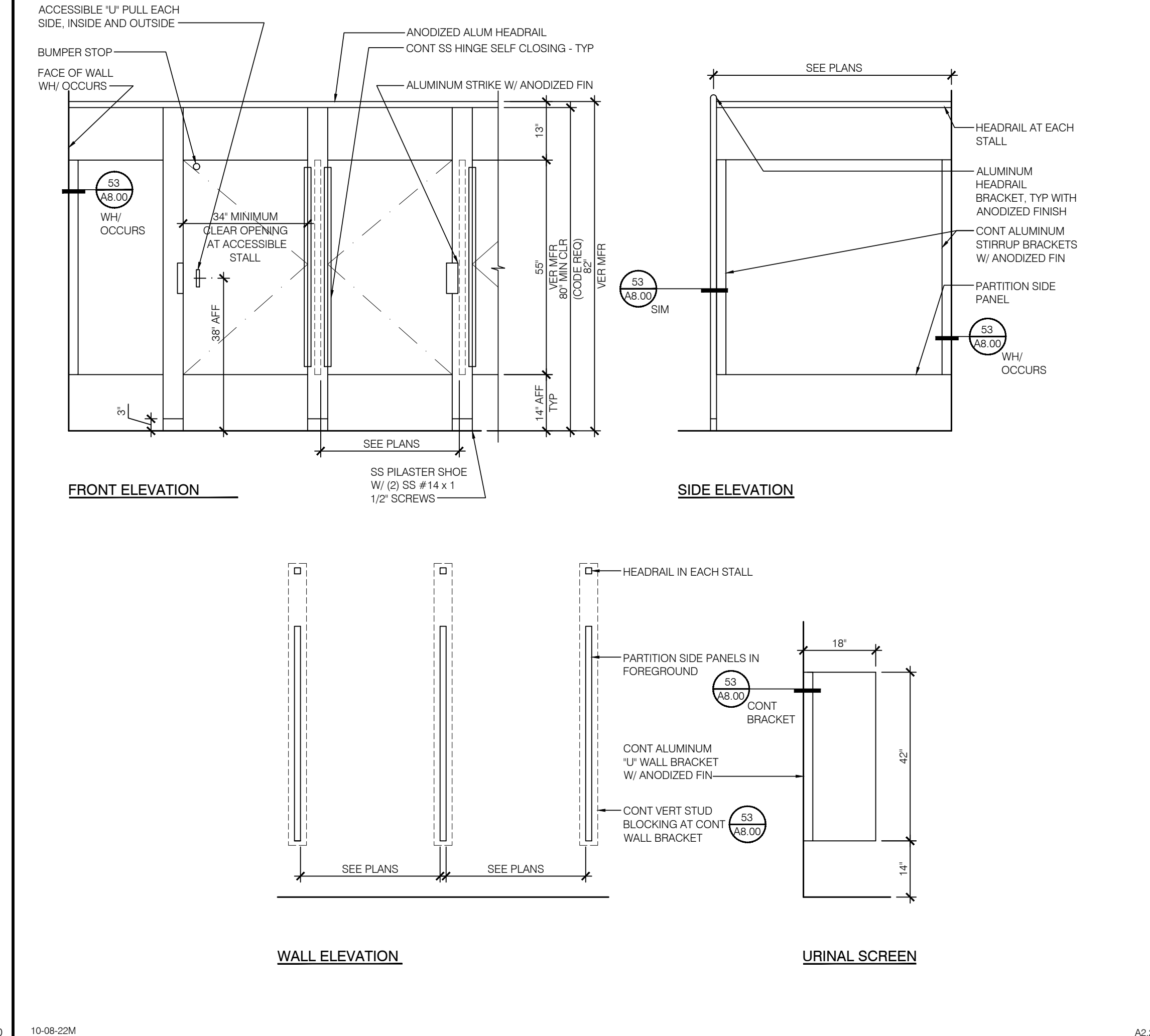
27) TYPICAL PANEL SIGN CONSTRUCTION : 1"

21) ACCESSIBLE URINAL REQUIREMENTS : 1/2"



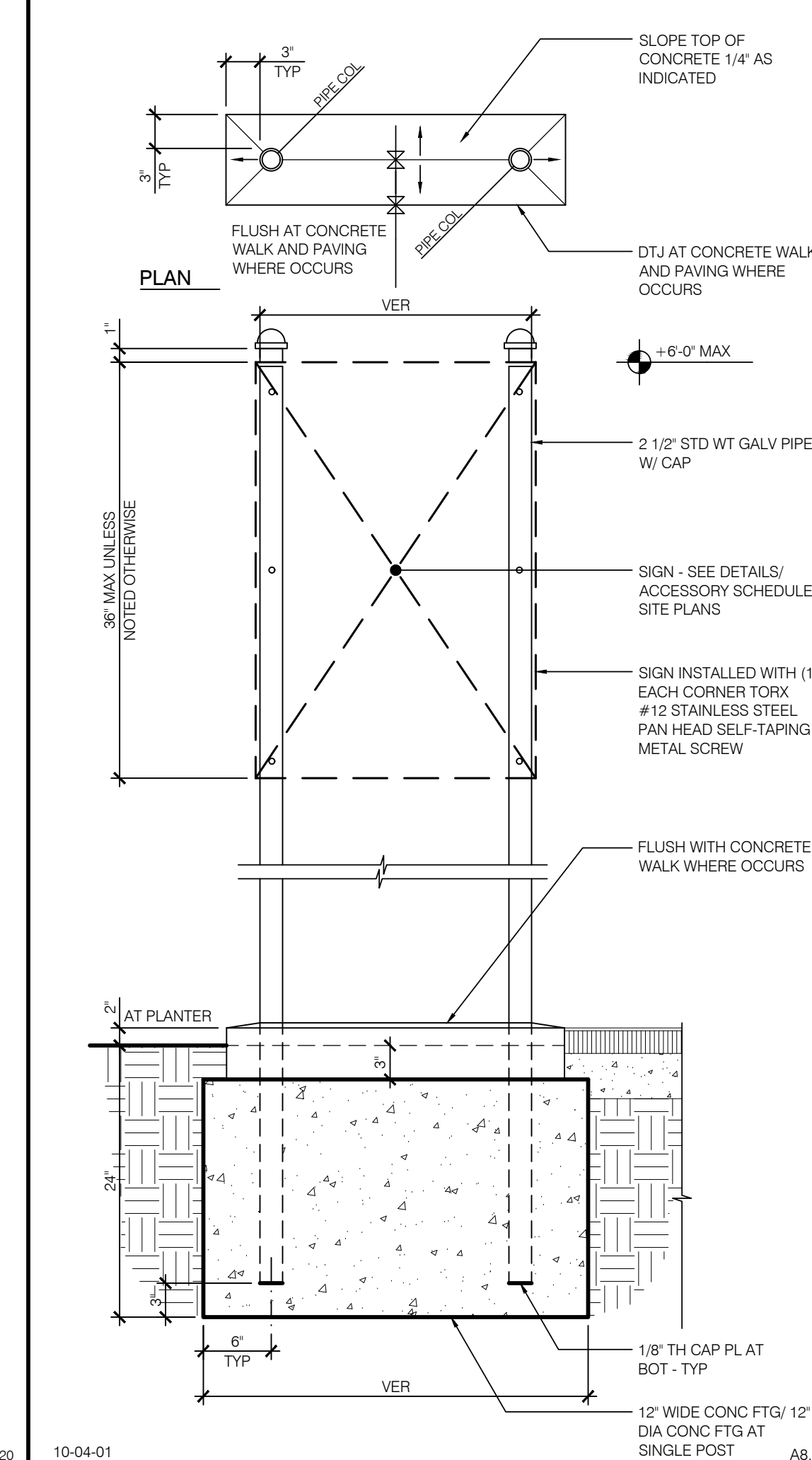
41) ACCESSIBLE MULTIPLE ACCOMMODATION TOILET STALL TYPICAL REQUIREMENTS : 1/2"

22) ACCESSORY MOUNTING HEIGHTS (UNO) : 3/4"



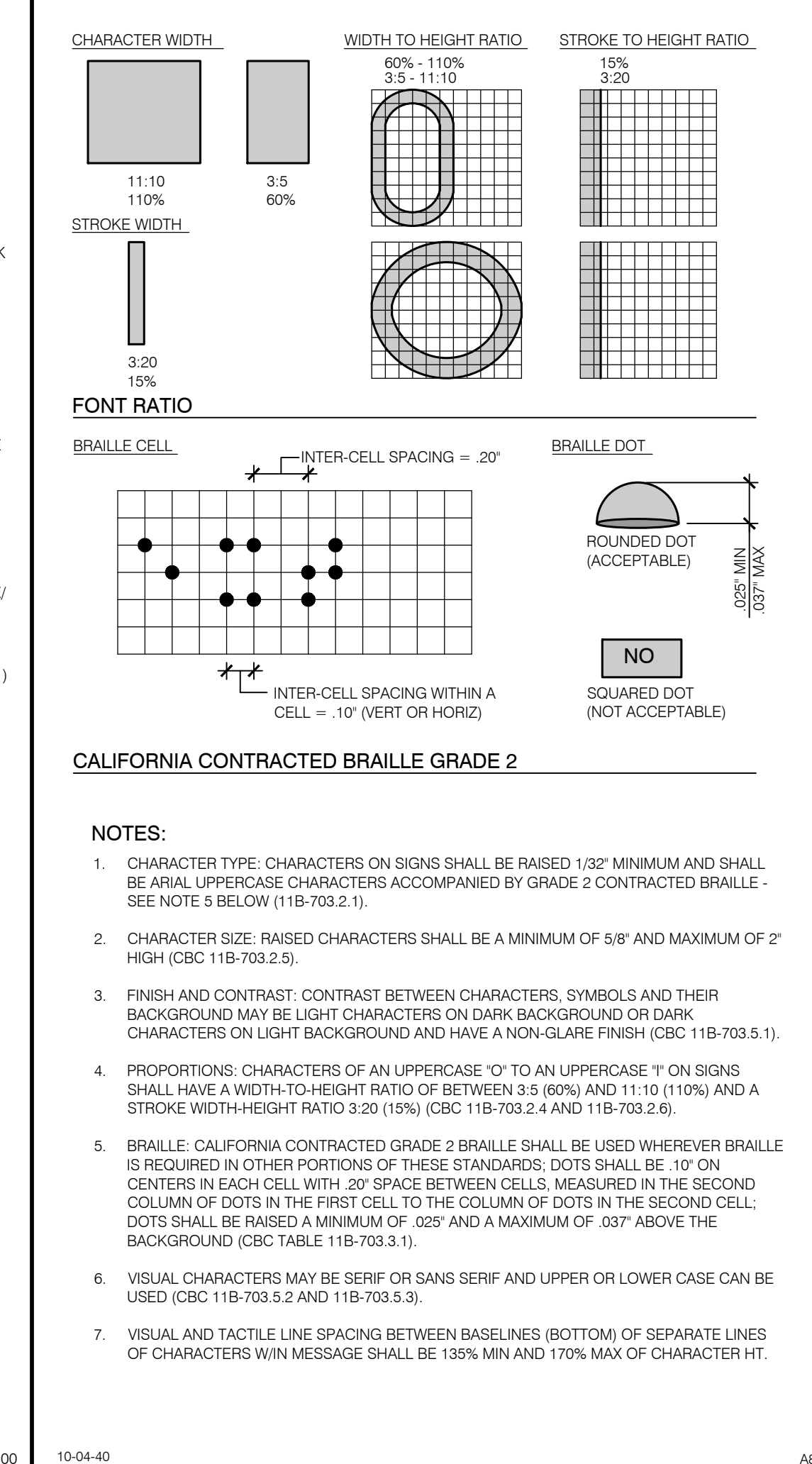
42) TYPICAL RESTROOM PARTITION DETAILS : 1/2"

24) ACCESSIBLE DF REQUIREMENTS W/ BOTTLE FILLER 1/2"



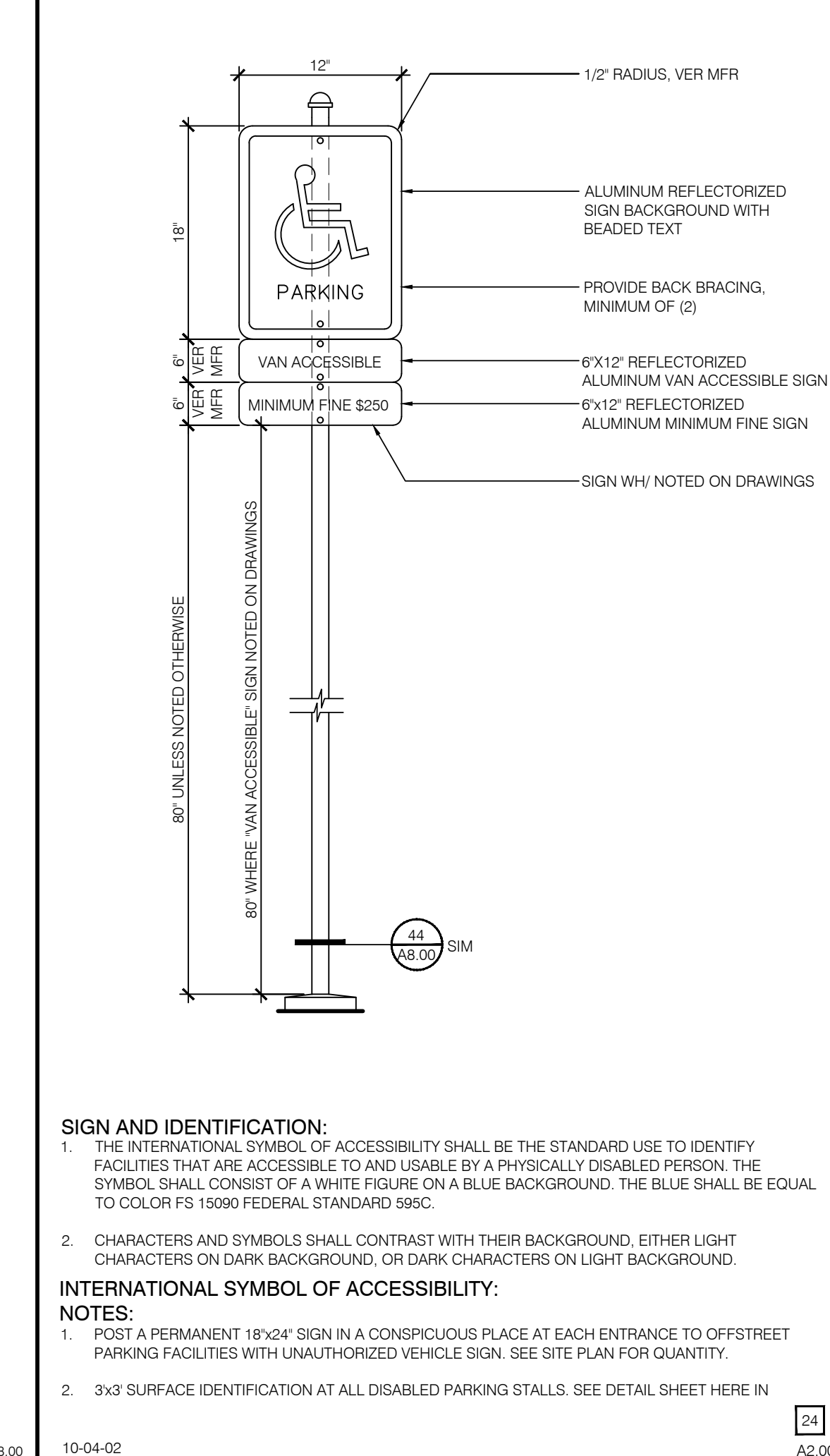
44) TYPICAL PANEL SIGN CONSTRUCTION : 1"

25) ROOM SIGN (BCSD) : 3"



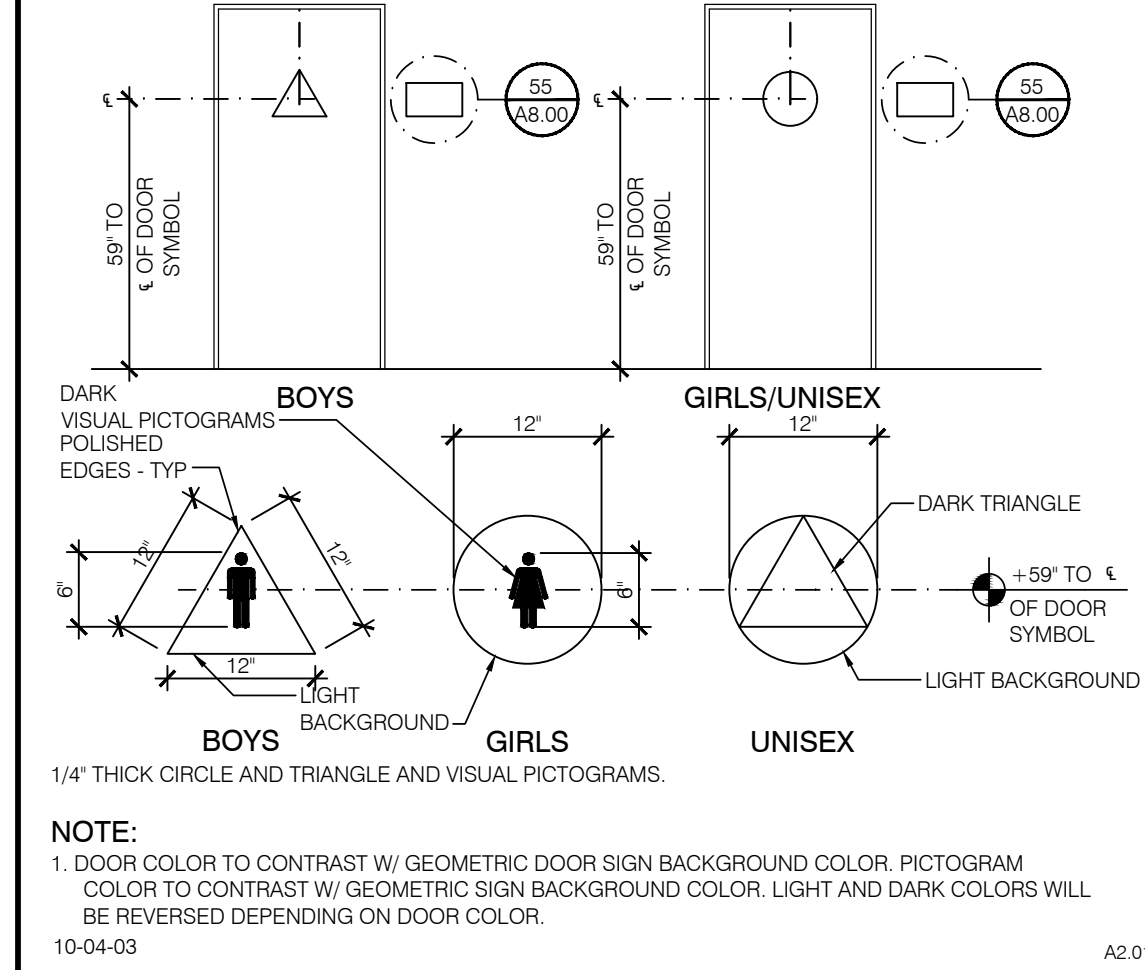
45) ACCESSIBLE SIGN REQUIREMENTS : NTS

26) GRAB BAR AT WOOD STUD : 3"



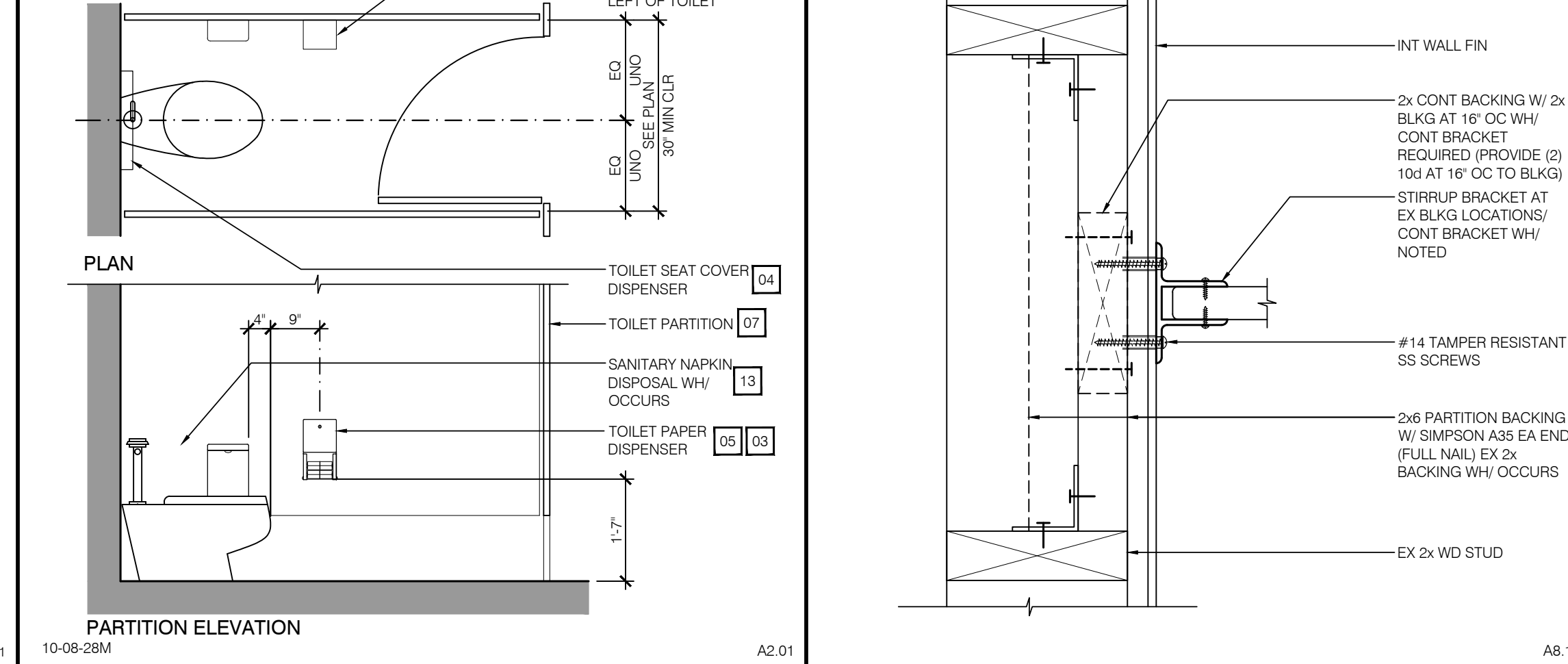
46) ACCESSIBLE PARKING STALL SIGN : NTS

41) ACCESSIBLE MULTIPLE ACCOMMODATION TOILET STALL TYPICAL REQUIREMENTS : 1/2"



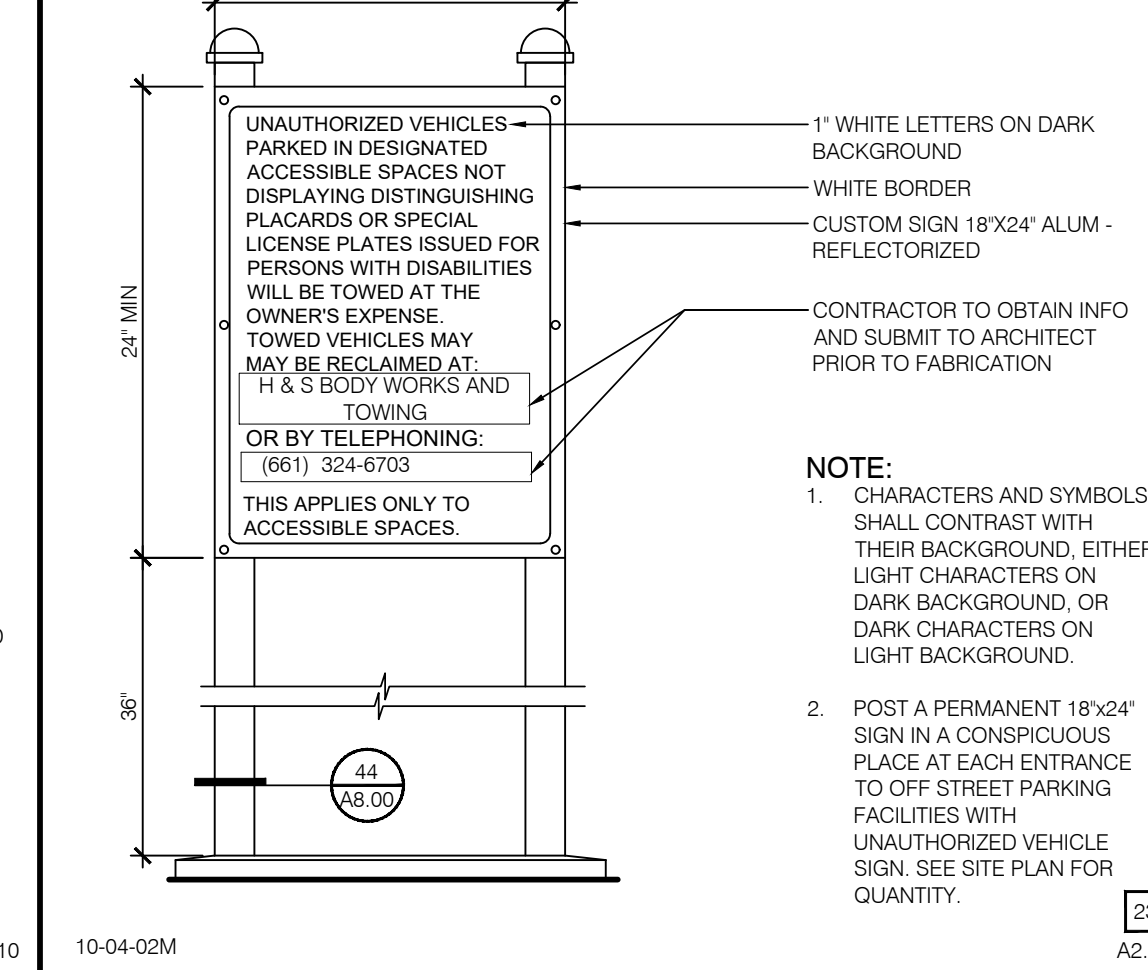
51) TOILET IDENTITY SIGNS AND SYMBOLS : NTS

42) TYPICAL RESTROOM PARTITION DETAILS : 1/2"



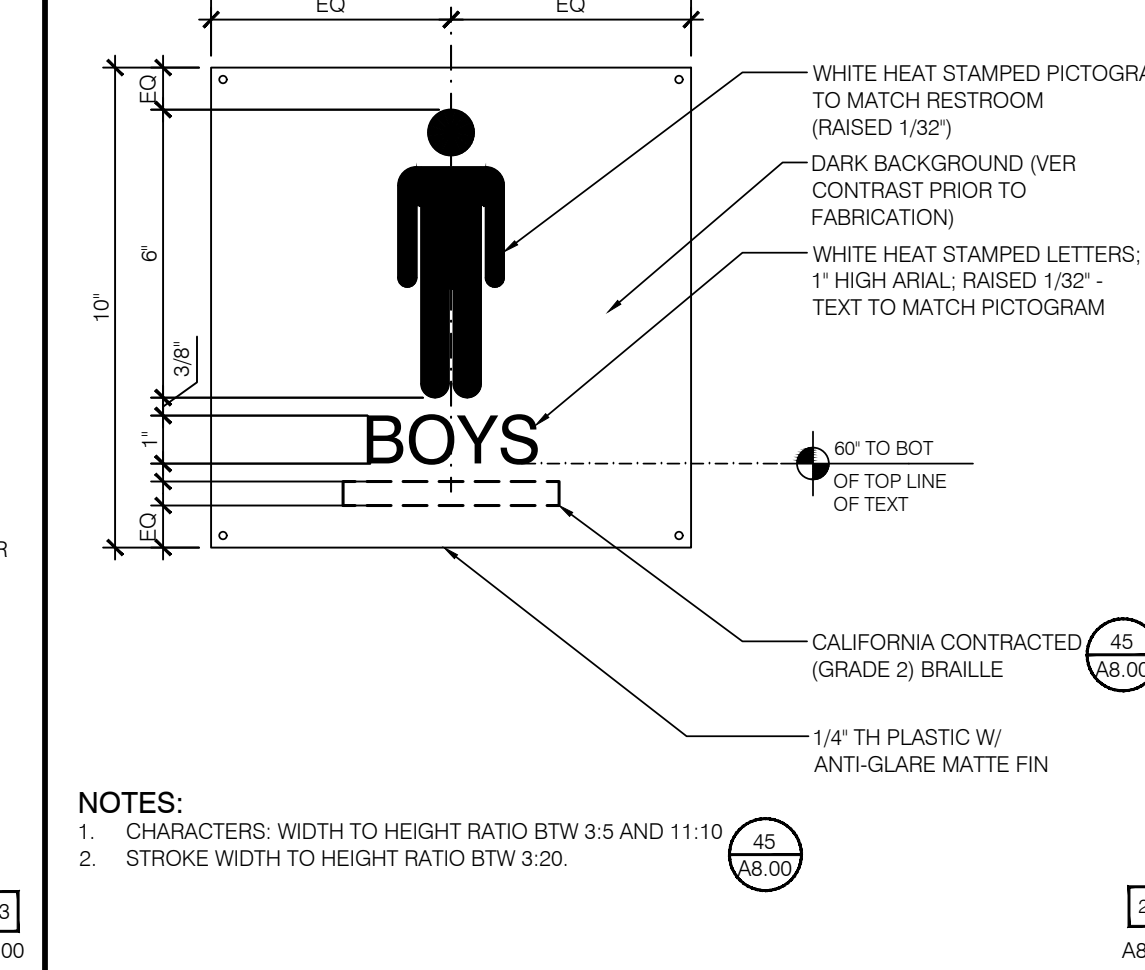
52) NON ACCESSIBLE TOILET STALL : 1/2"

24) ACCESSIBLE DF REQUIREMENTS W/ BOTTLE FILLER 1/2"



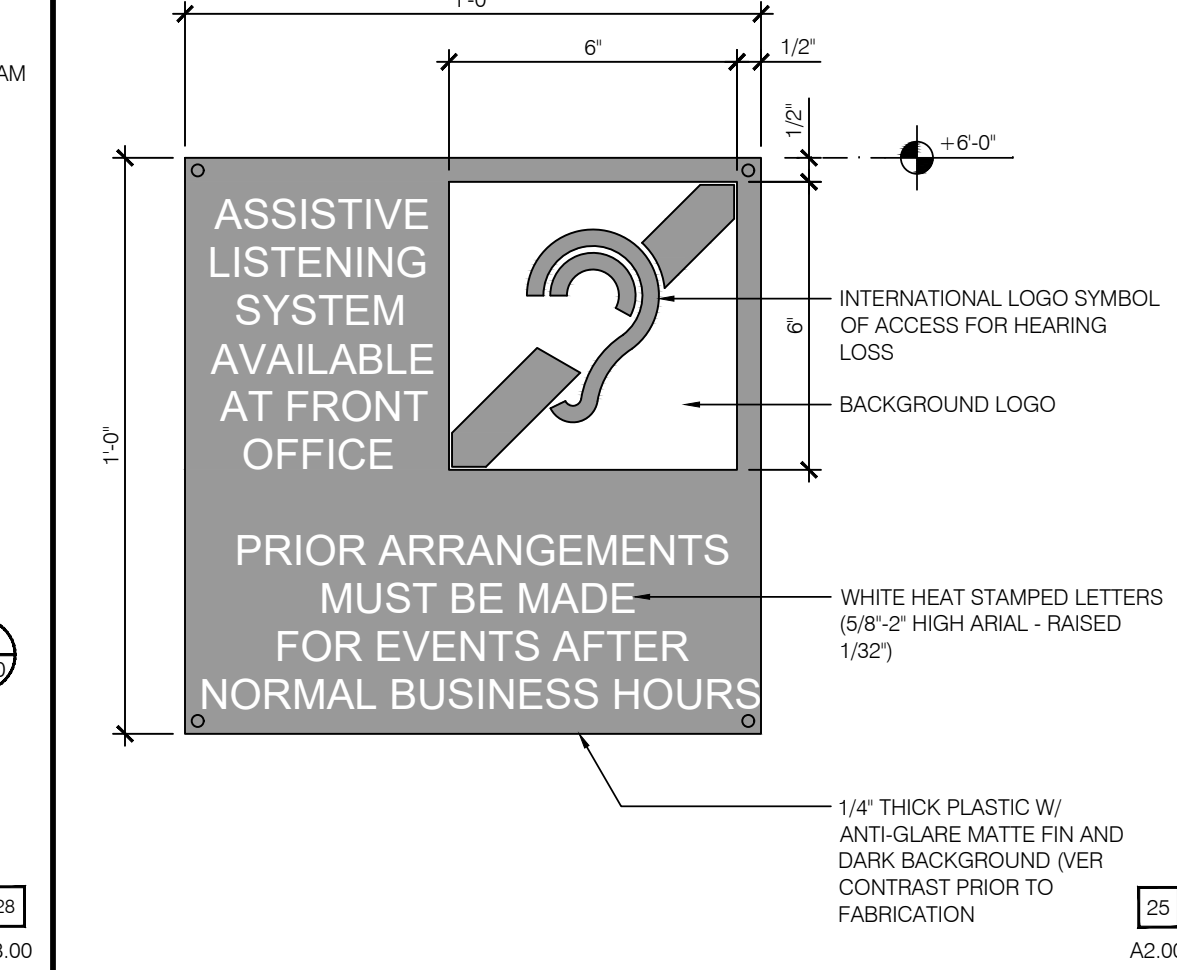
53) TOILET PARTITION BRACKET/ BACKING DTL : 3"

25) ROOM SIGN (BCSD) : 3"



54) ACCESSIBLE PARKING SIGN (ENTRY) : NTS

26) GRAB BAR AT WOOD STUD : 3"



55) TOILET IDENTITY SIGN : 3"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122640 INC.
REVIEWED FOR
DATE: 11/09/2023

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Bakersfield, California 93301
tel: 661.327.1690 fax: 661.327.7204
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CAMPUS HVAC
SYSTEM UPGRADE

Fremont Magnet
Elementary School
607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT

JAMES PATRICK FOGARTY, AIA
ARCHITECT C-19670

CONSULTANT

PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15.6
DSA No	03-122640

REVISIONS

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DETAILS

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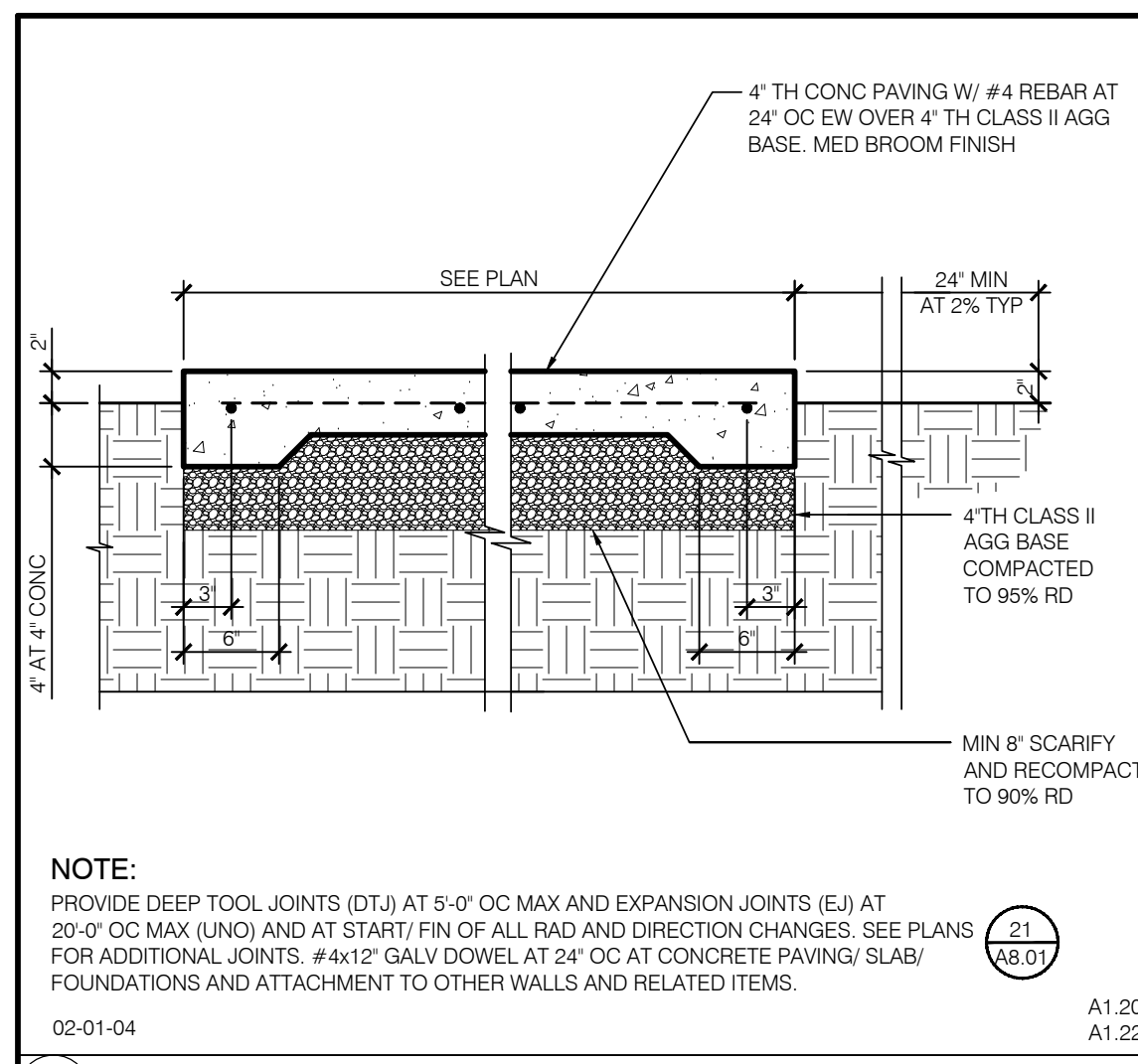
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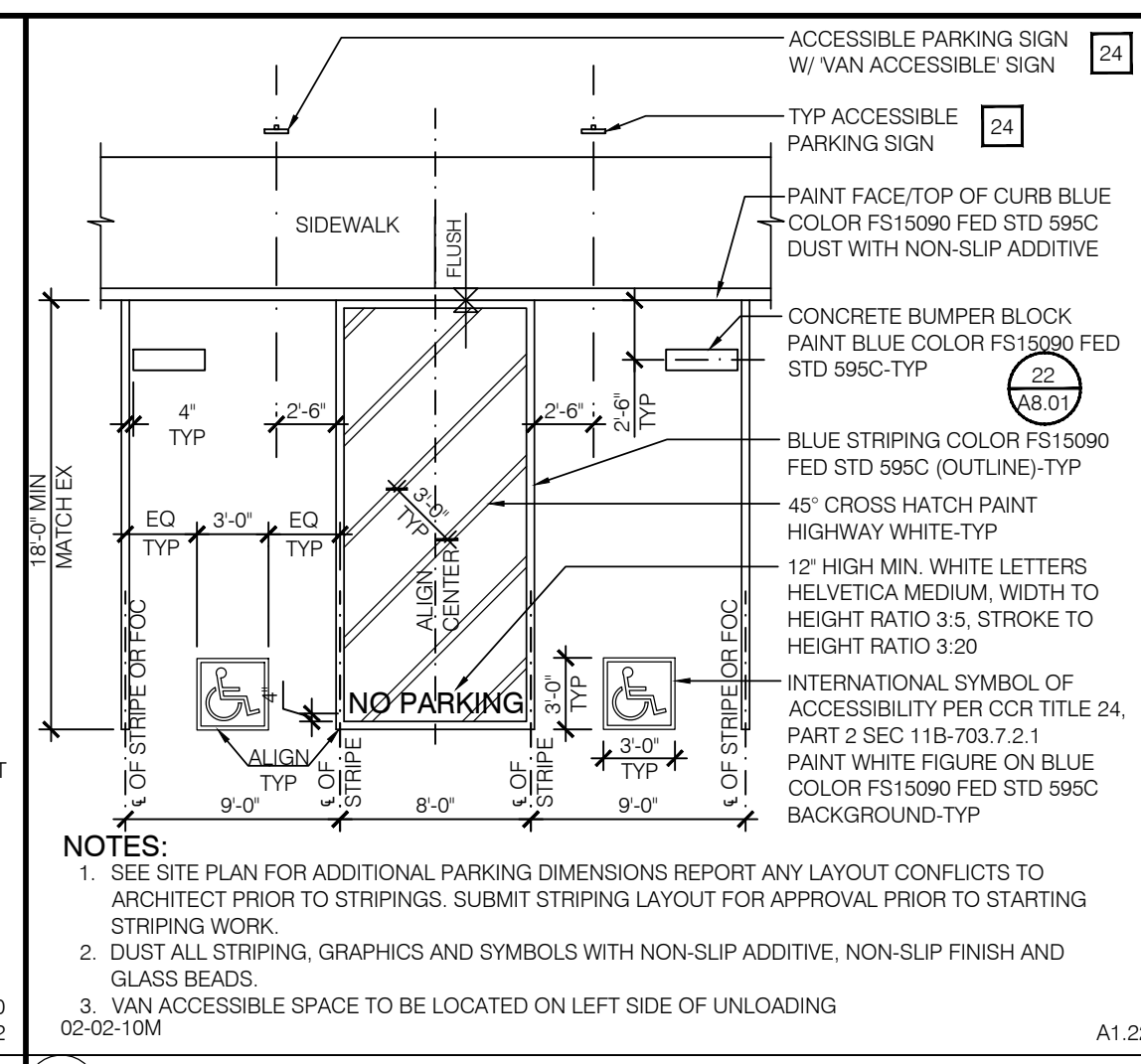
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DETAILS

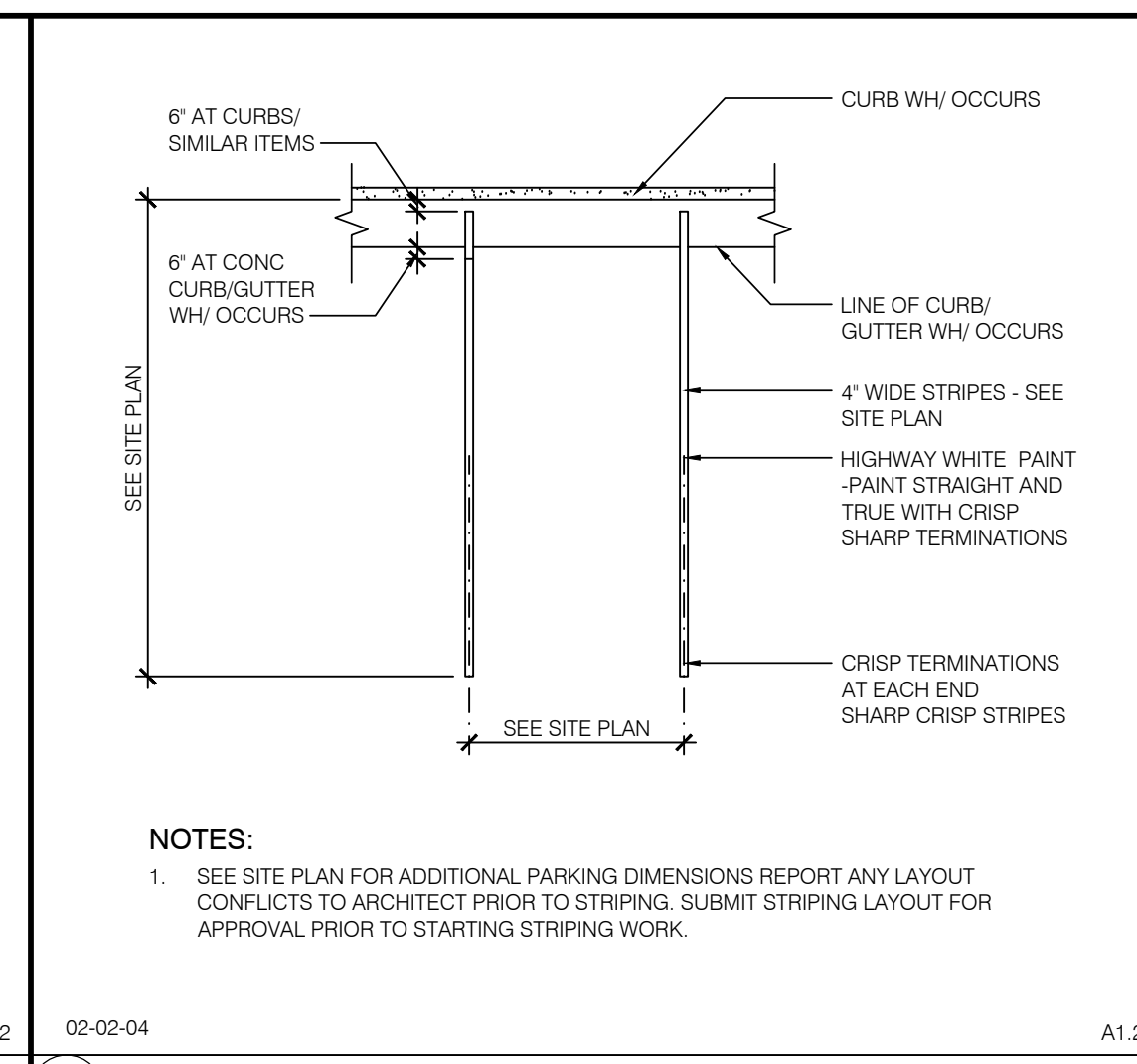
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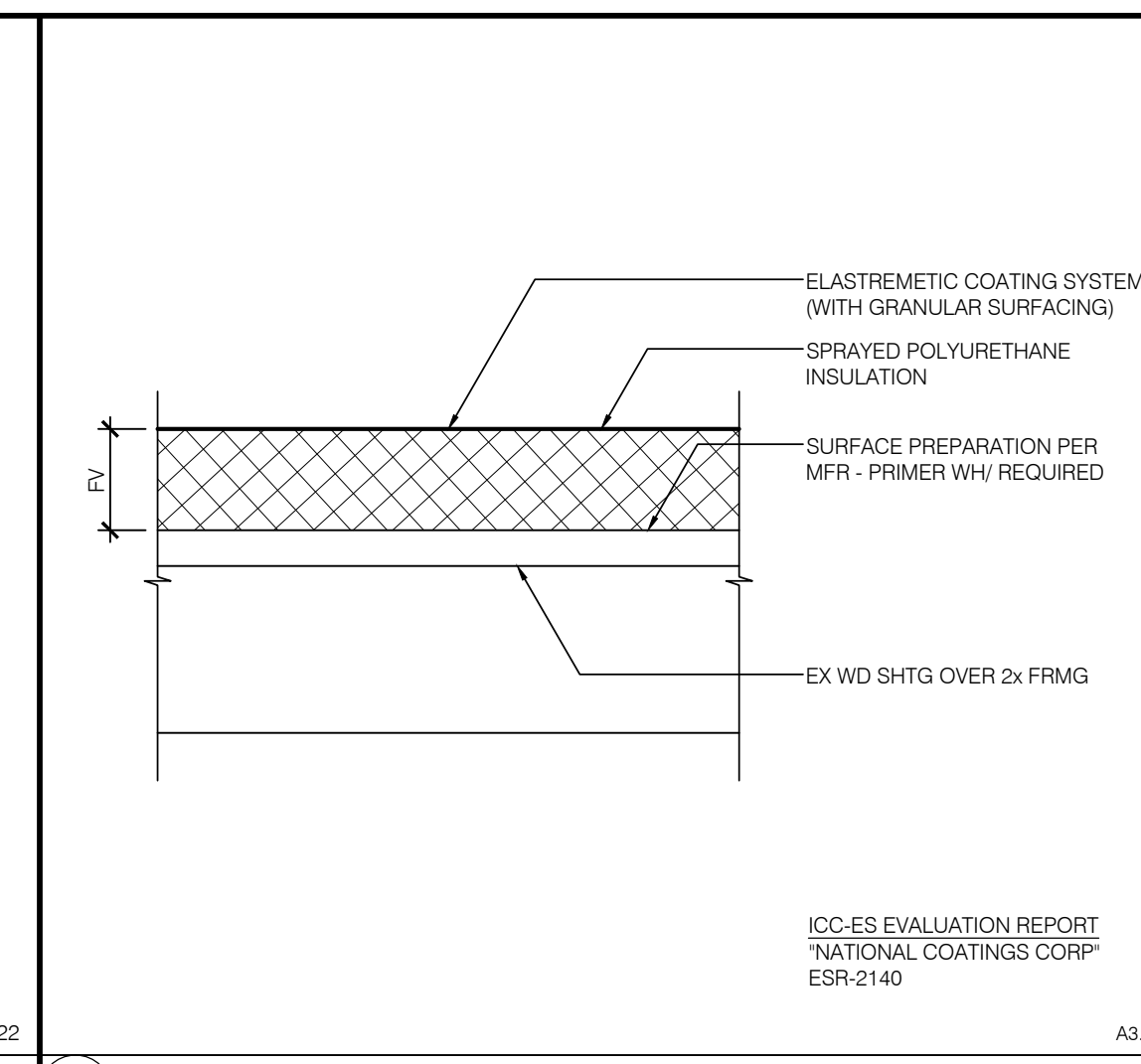
11) CONCRETE PAVING : 1"



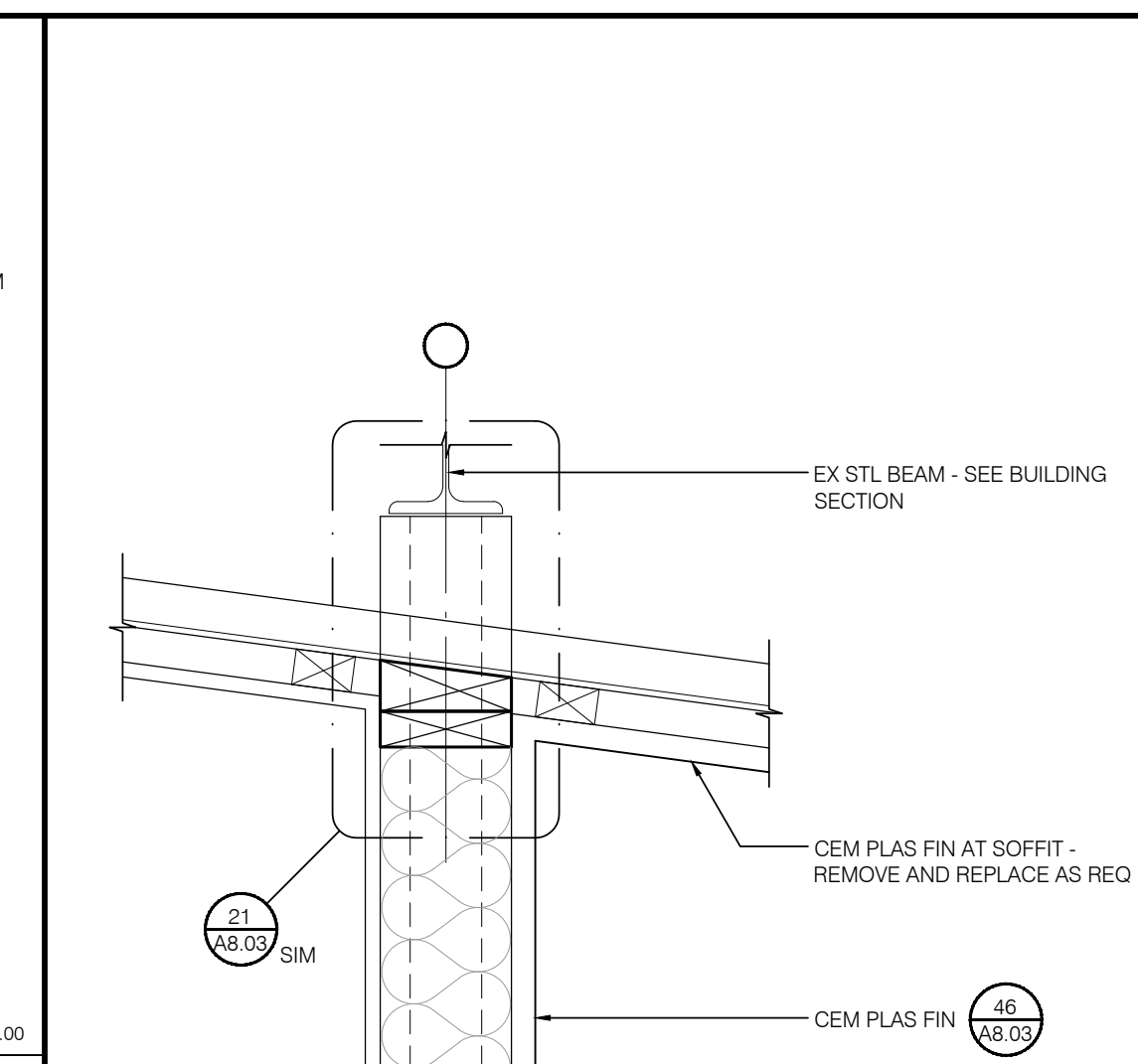
12) ACCESSIBLE PARKING STALLS (90°) : 1/8"



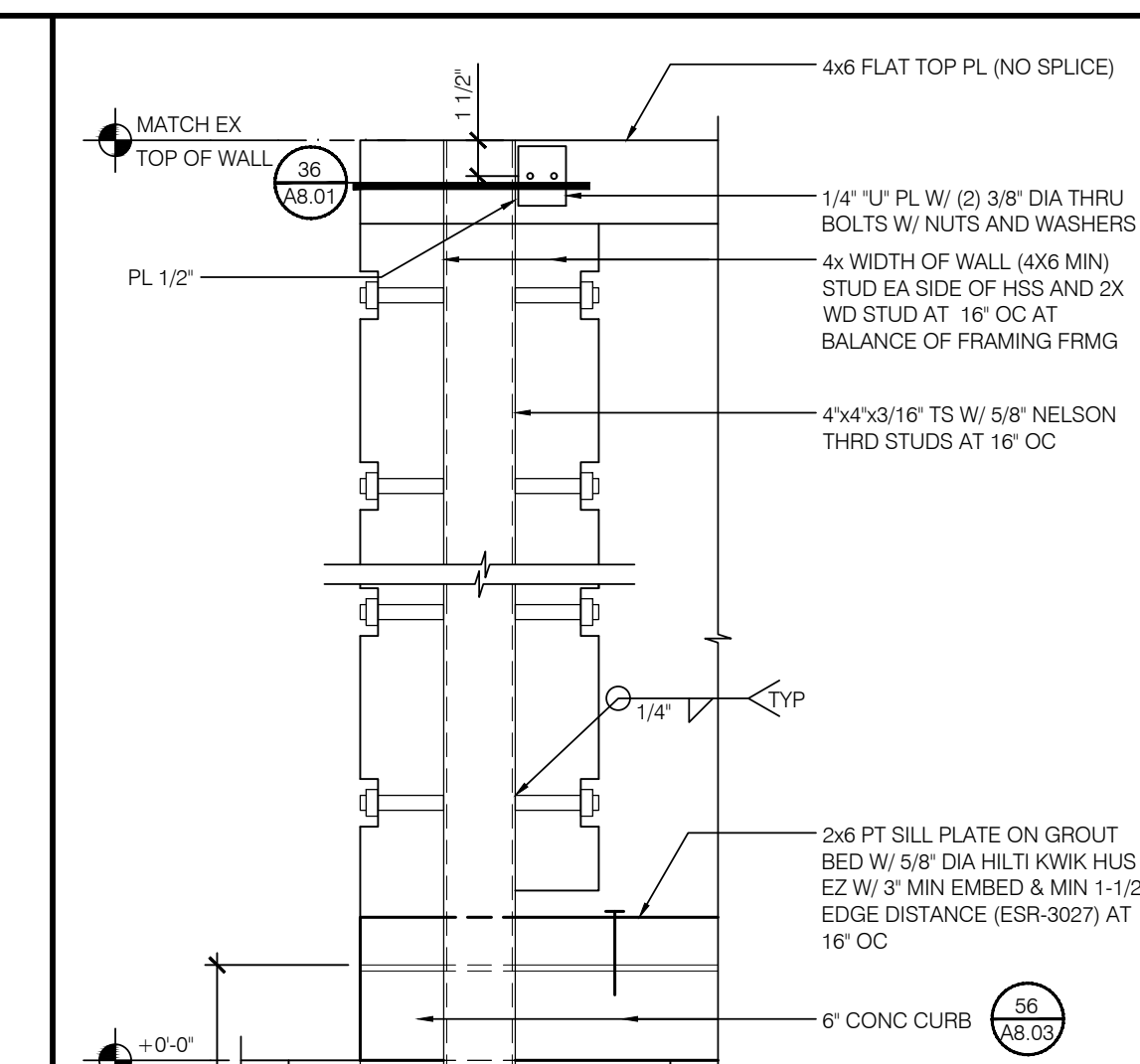
13) PARKING STALL LAYOUT : 1/8"



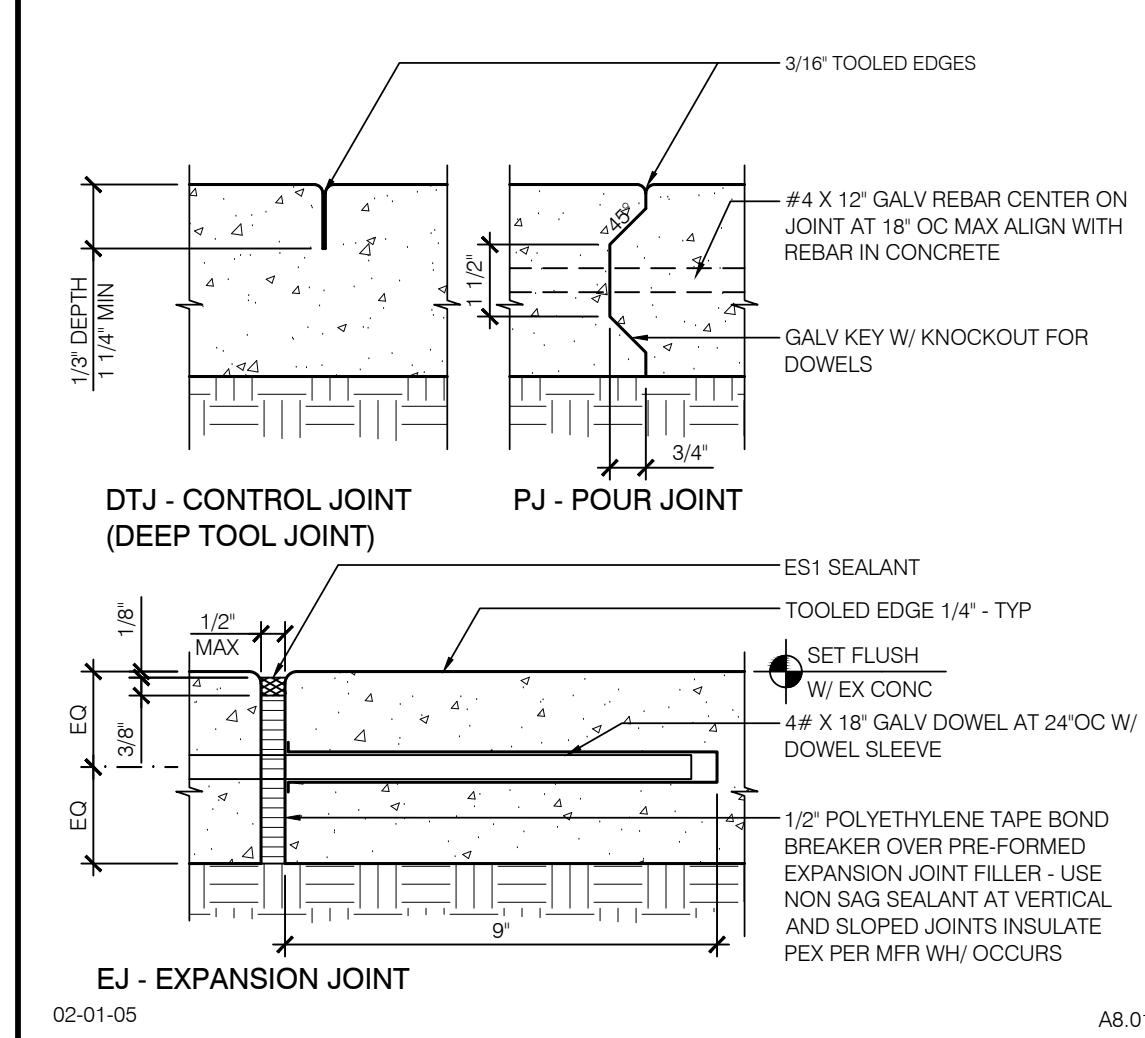
14) SPRAYED POLYURETHANE ROOFING SYSTEM (PFR) : 3"



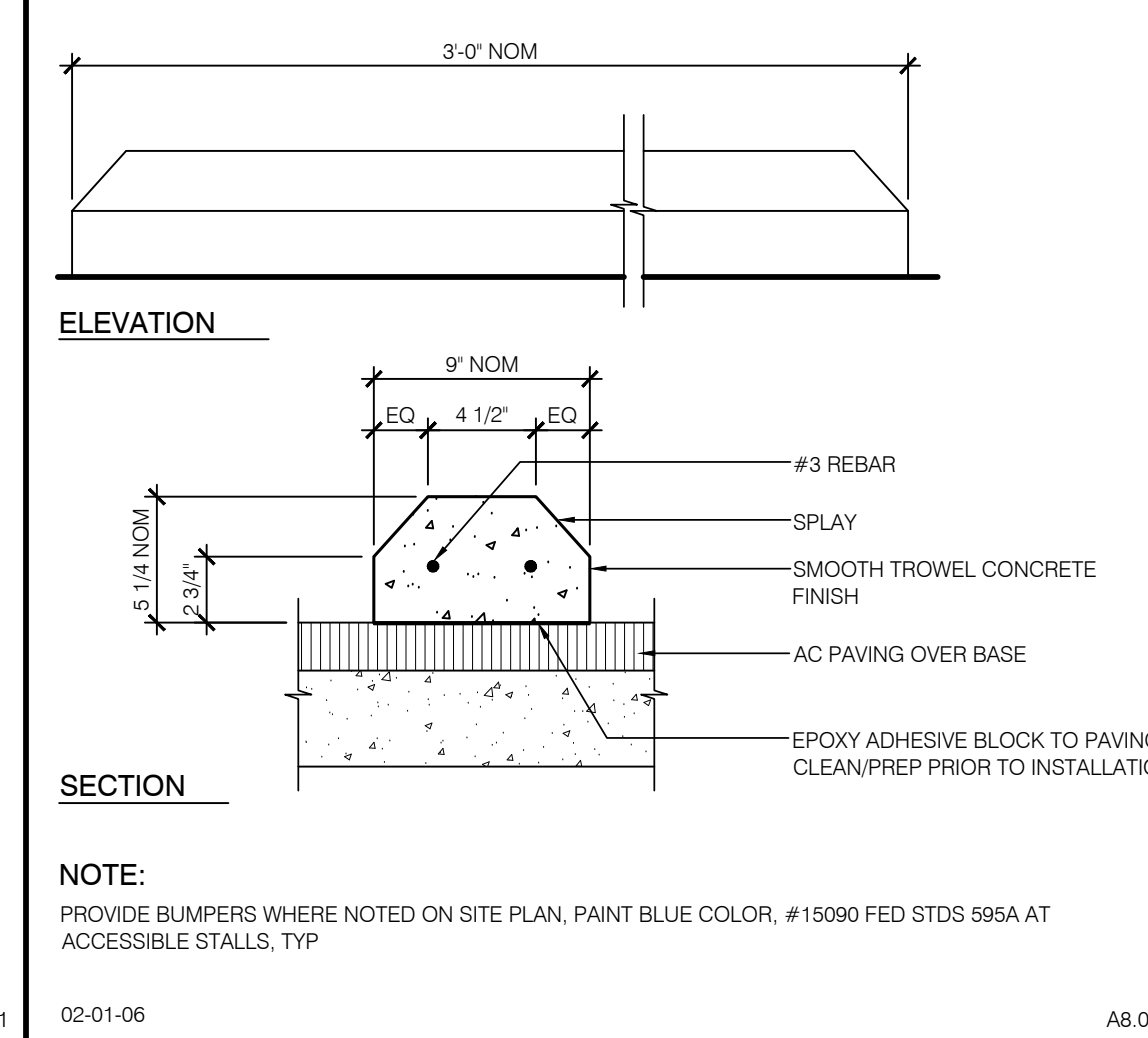
25) EXT WALL INFILL FRMG : 1 1/2"



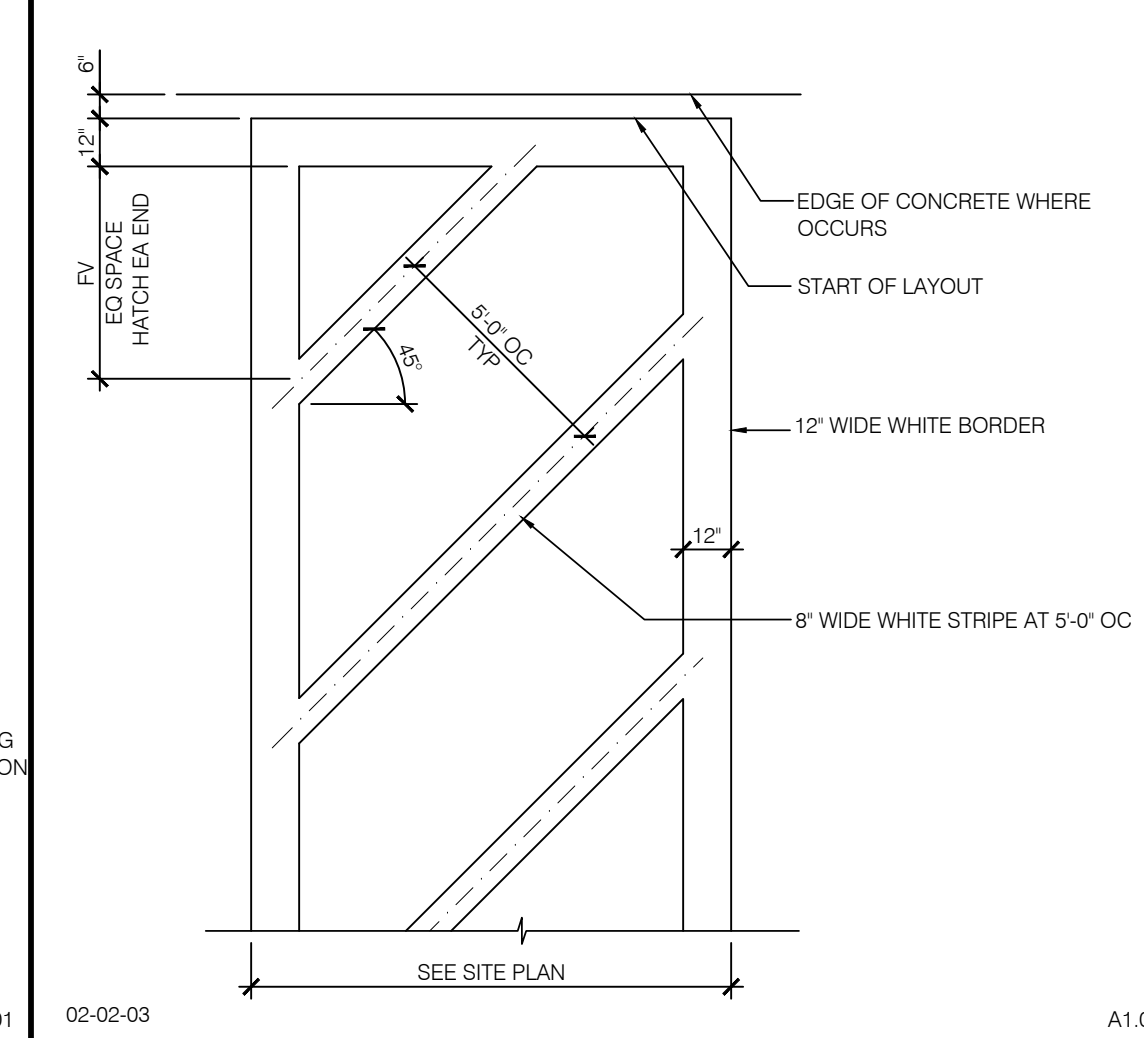
26) TS COLUMN SUPPORT AT LOW WALL : 1 1/2"



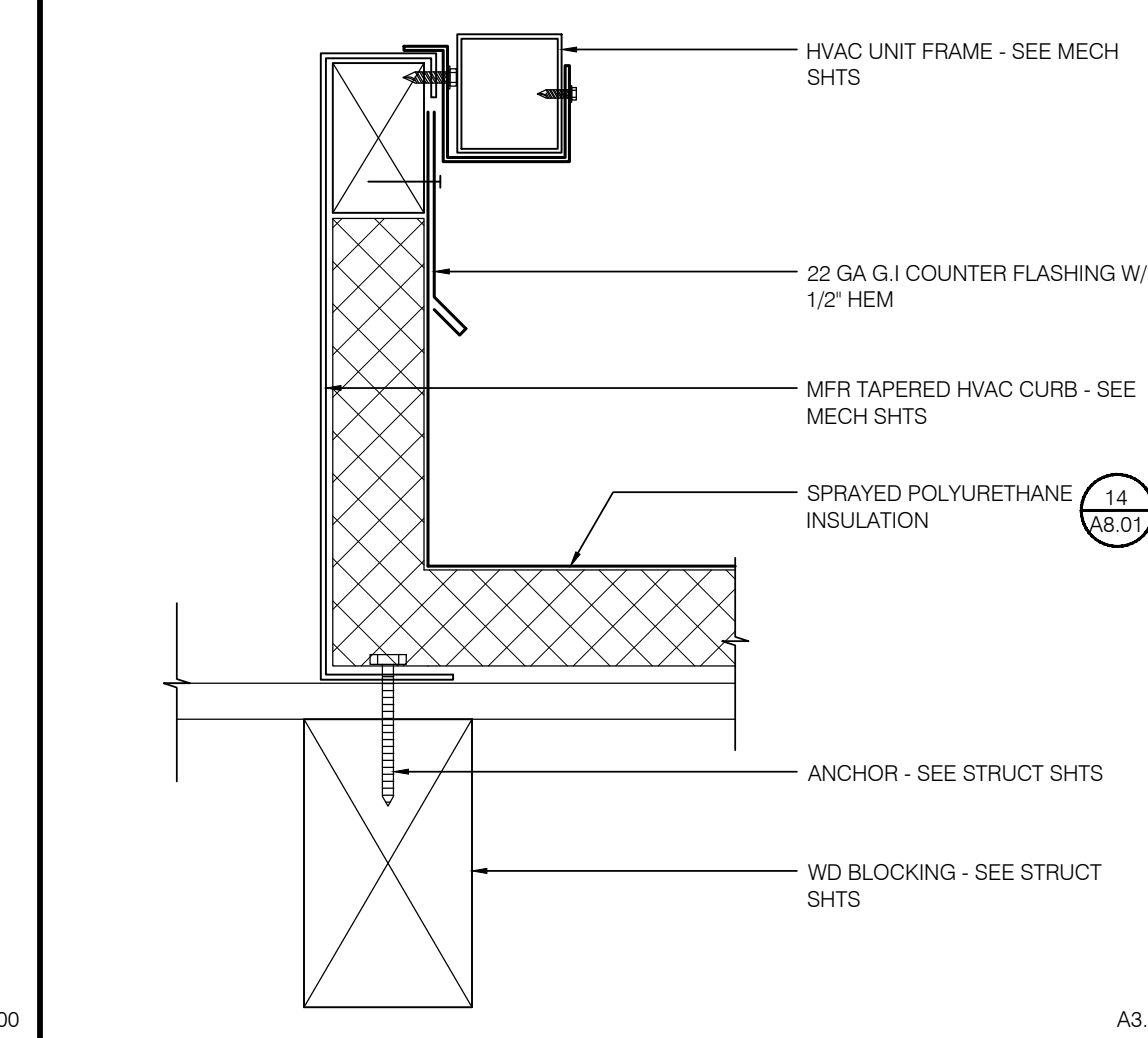
41) TYPICAL UTILITY TRENCH : 1/2"



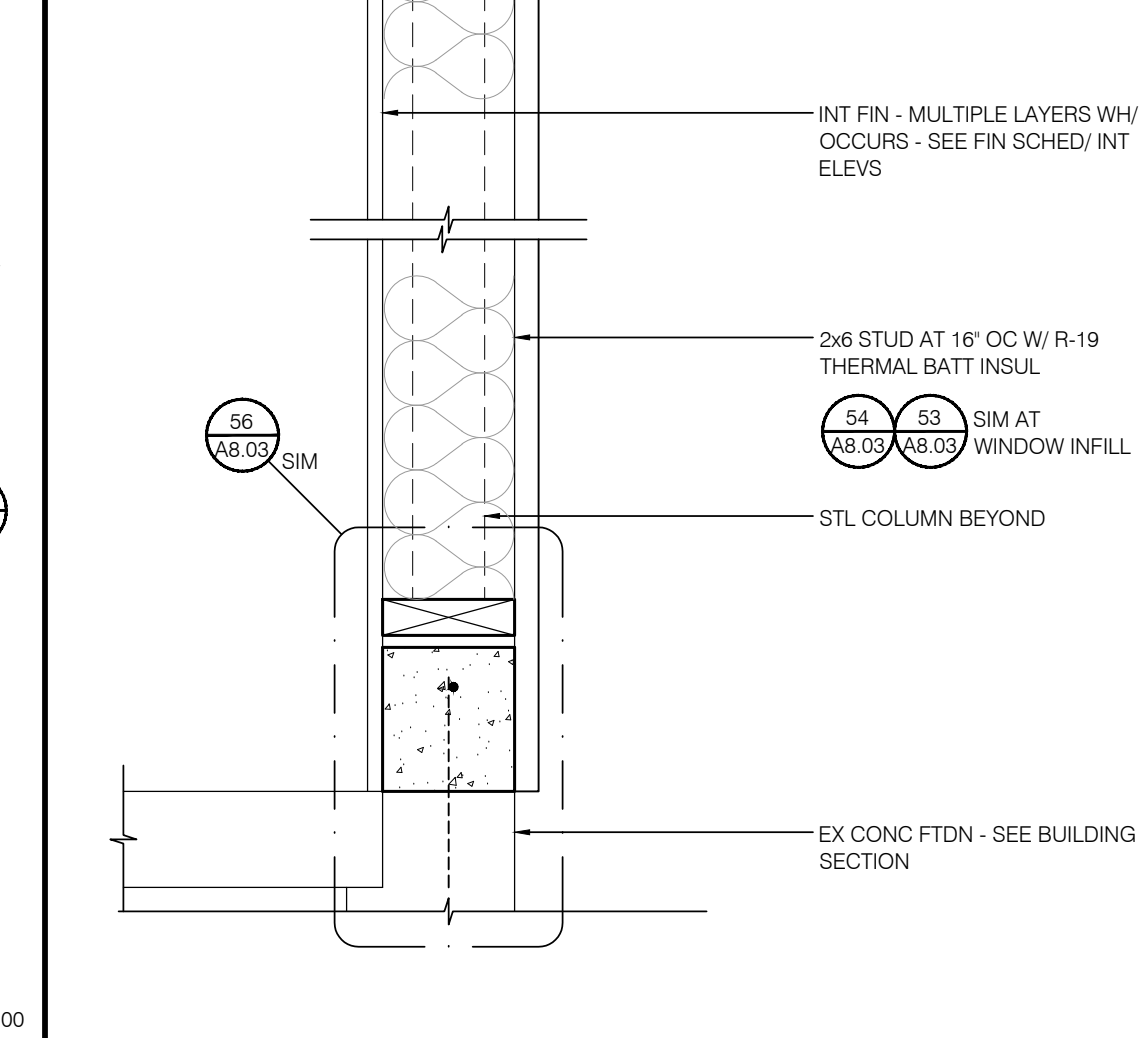
22) CONCRETE BUMPER : 1 1/2"



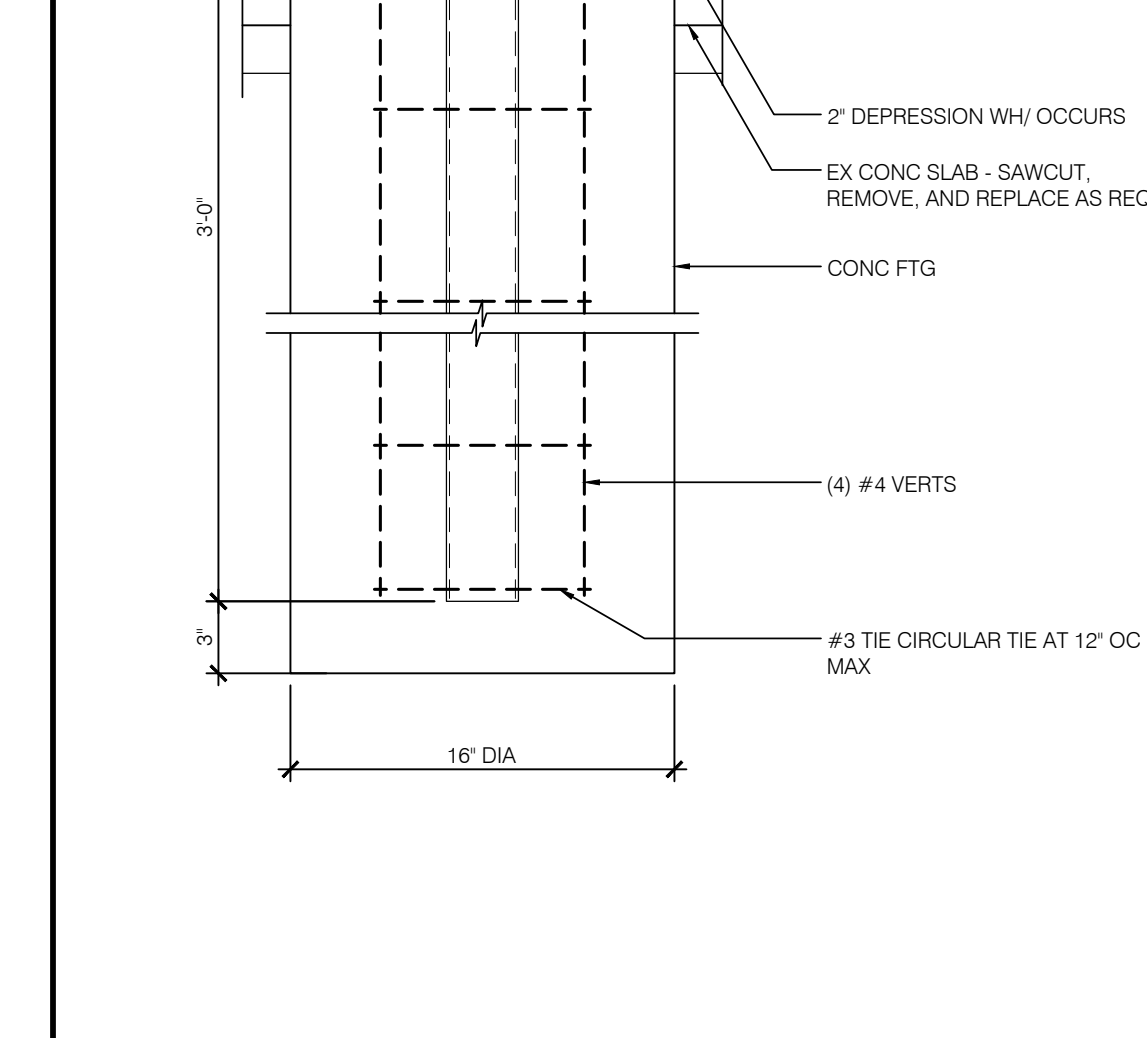
23) CROSSWALK STRIPING : 1/4"



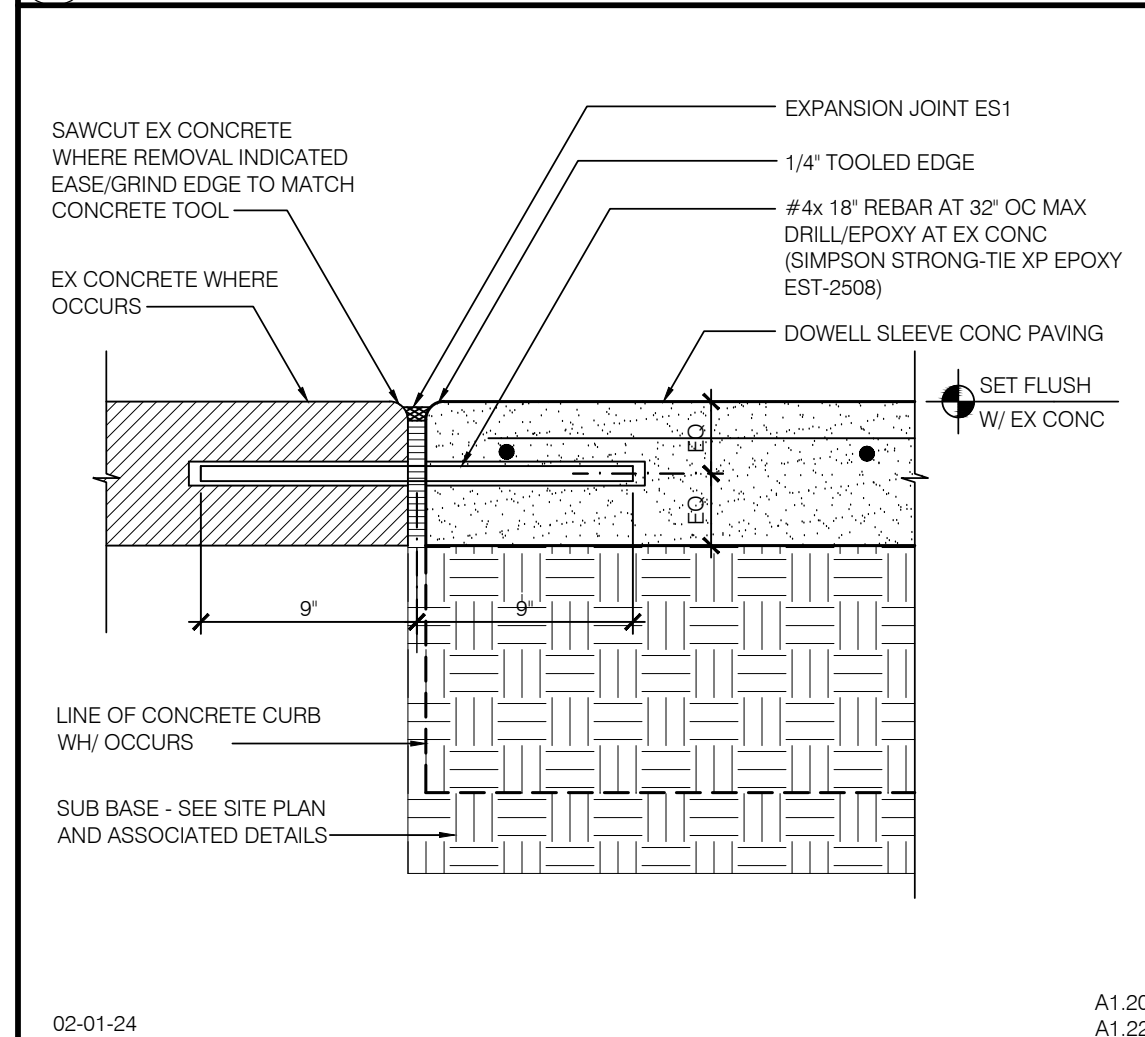
24) PFR FLASHING AT MFR CURB : 3"



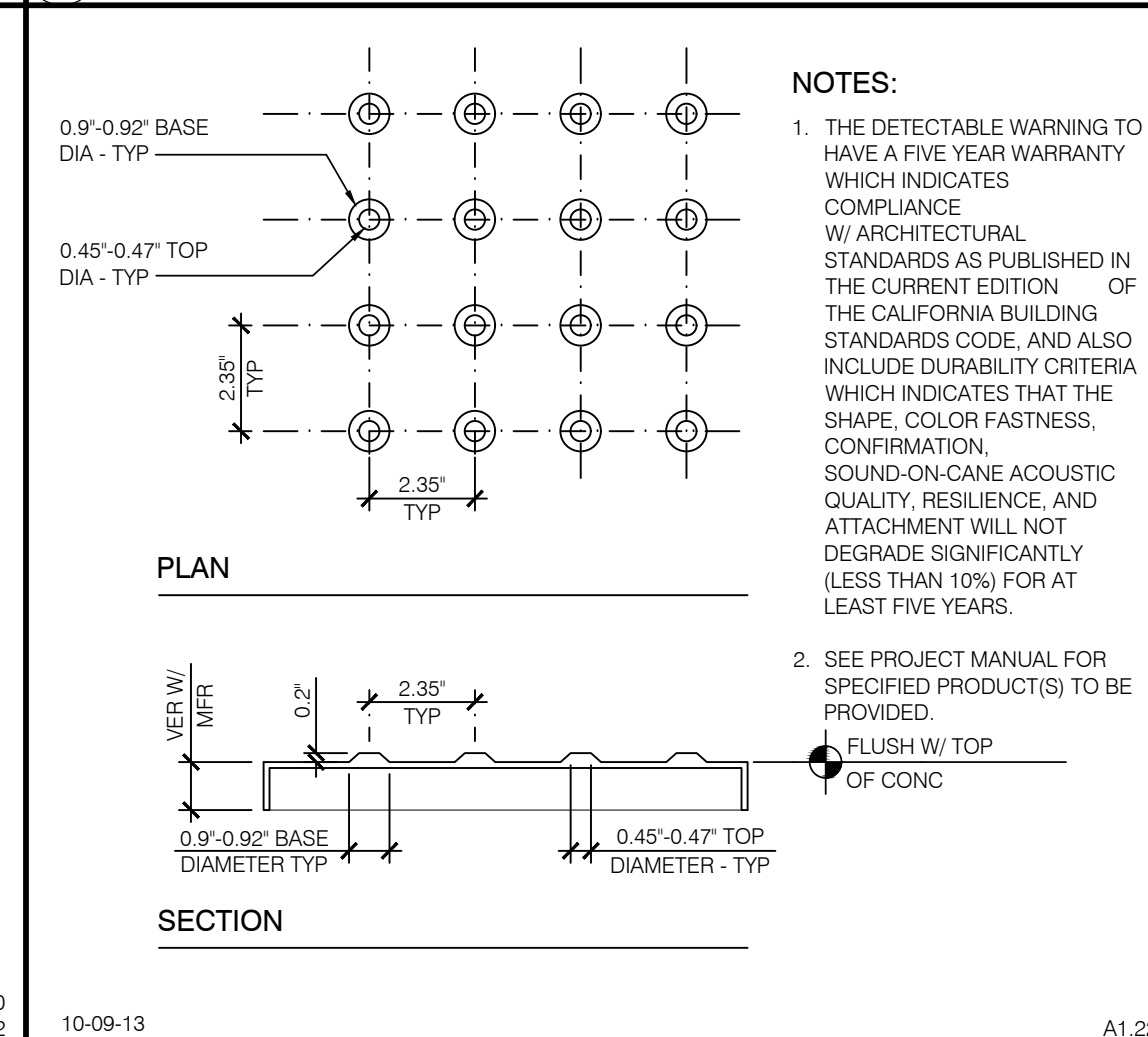
35) CONN OF TOP PL TO EX WALL (SECTION) : 3"



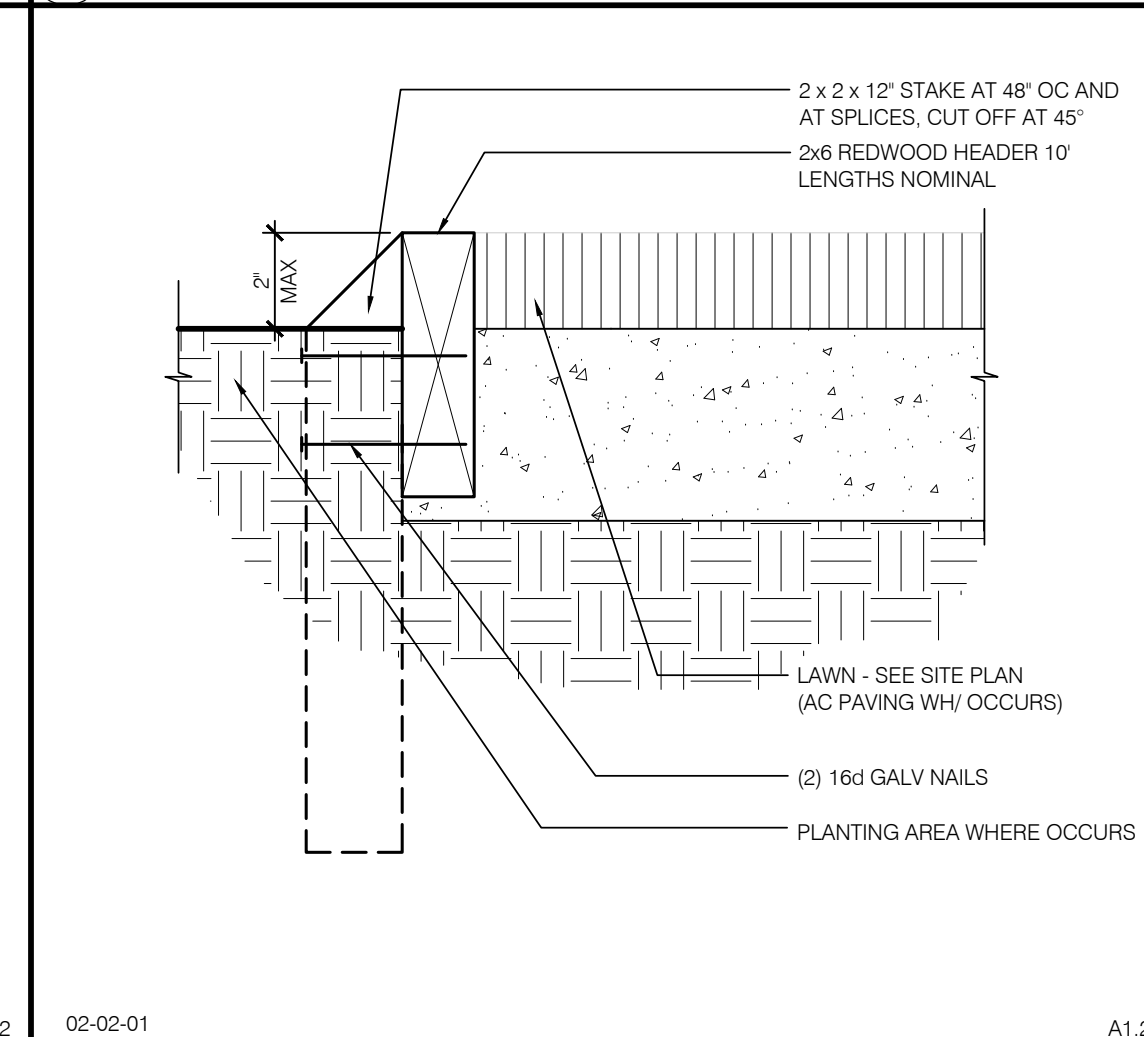
36) PLAN DETAIL : 3"



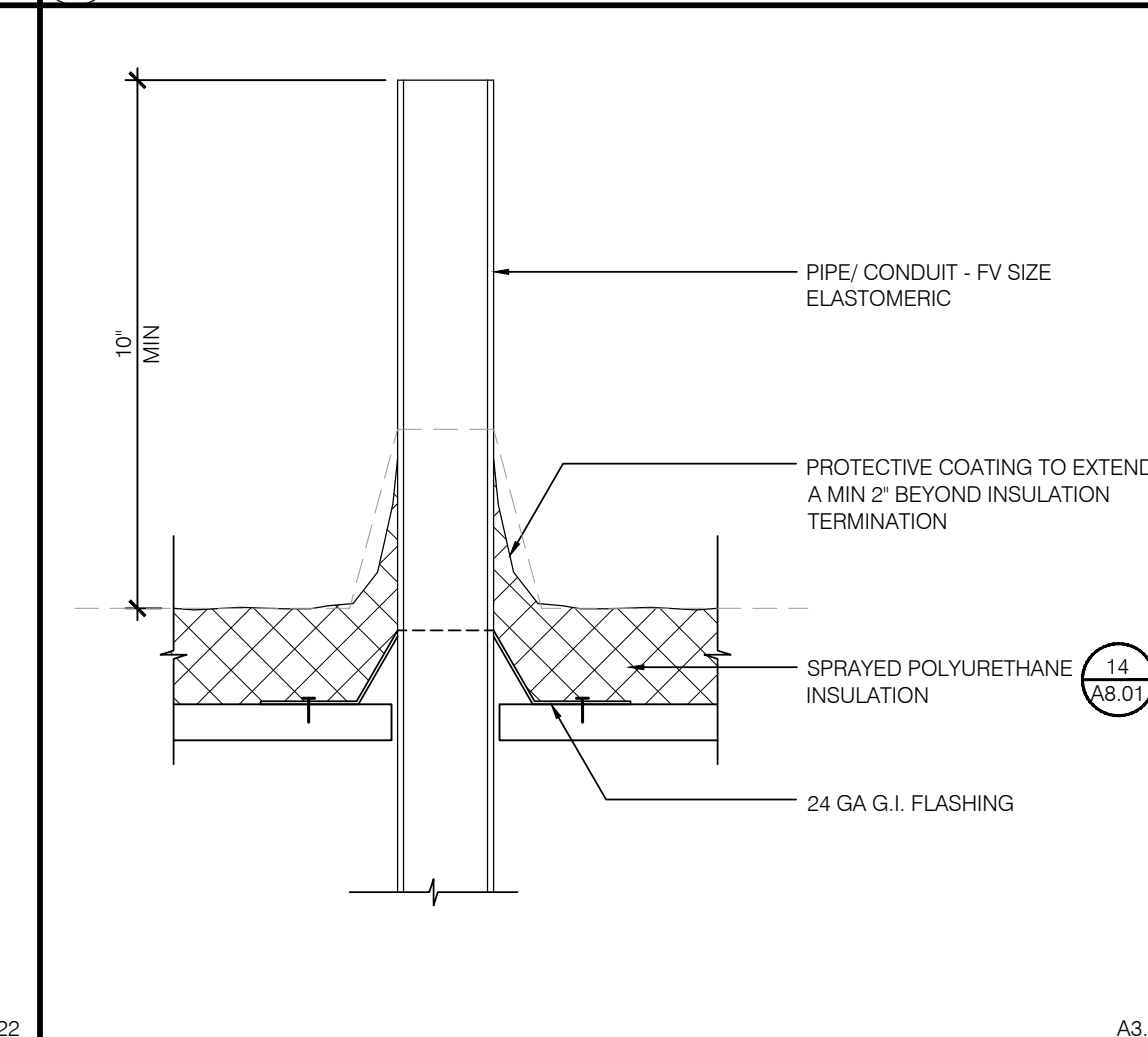
41) TYPICAL UTILITY TRENCH : 1/2"



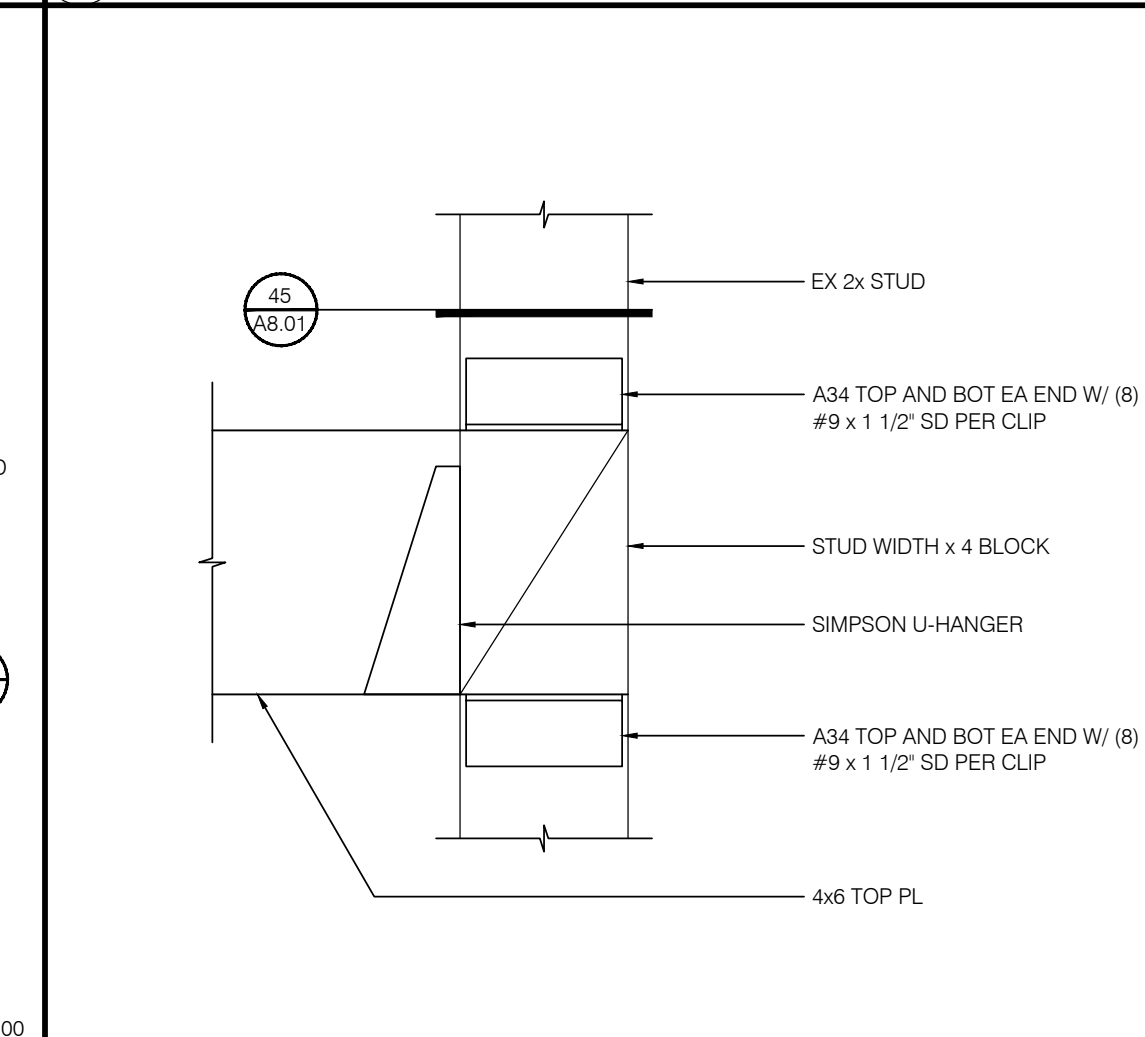
32) DETECTABLE WARNING SURFACE : NTS



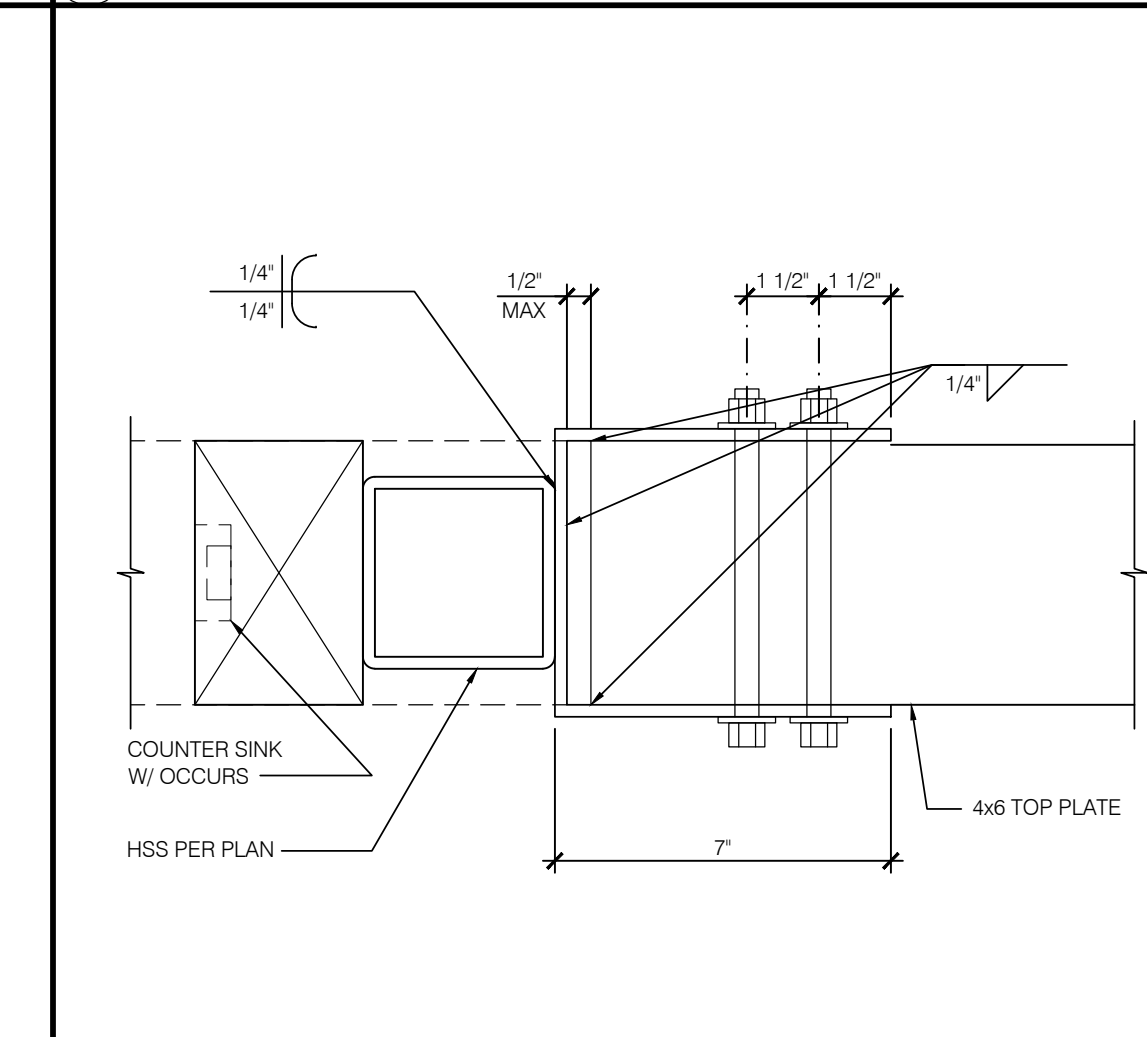
33) REDWOOD HEADER : 3"



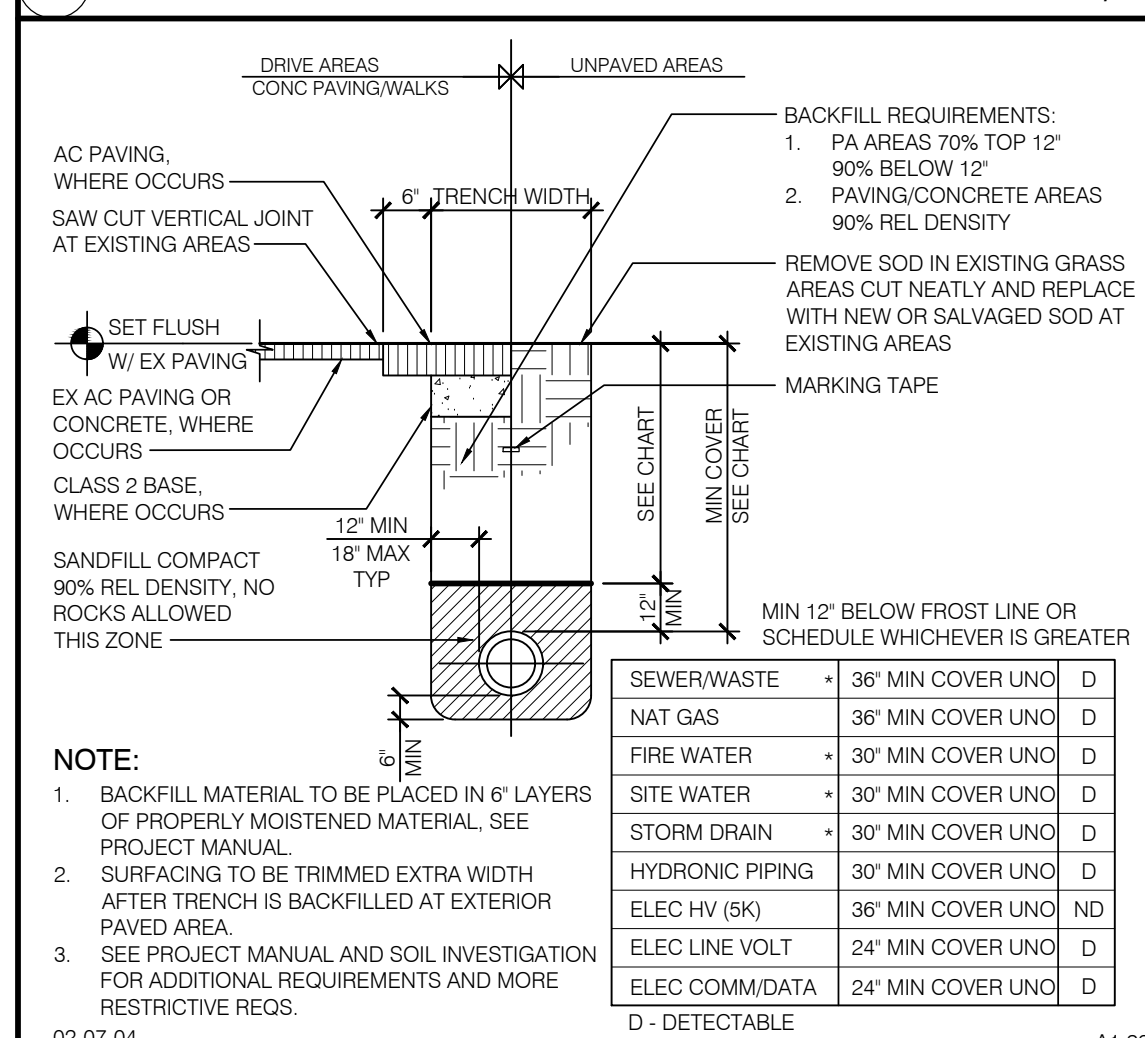
34) PFR FLASHING AT PIPE/CONDUIT PENETRATION : 3"



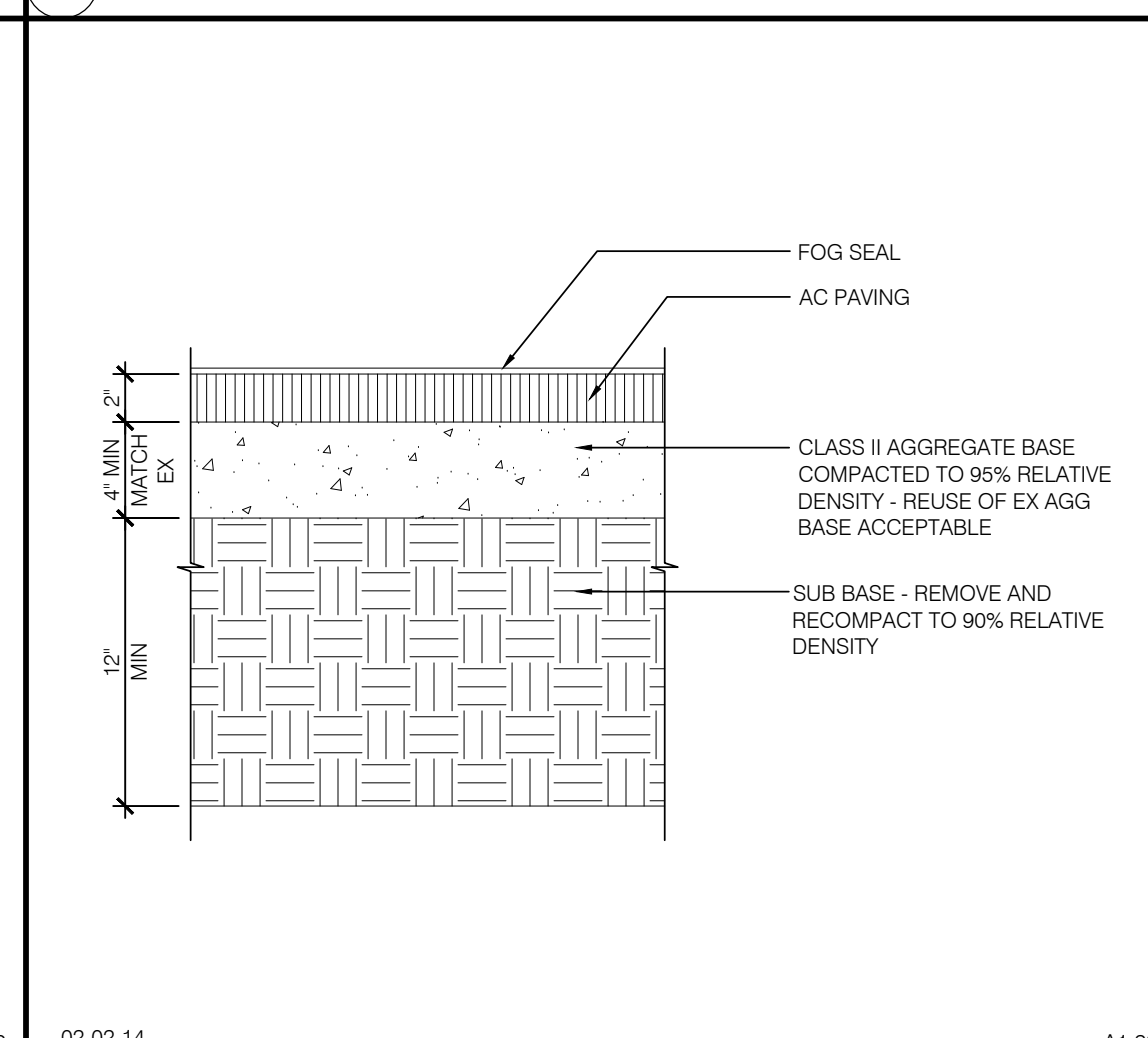
35) CONN OF TOP PL TO EX WALL (PLAN) : 3"



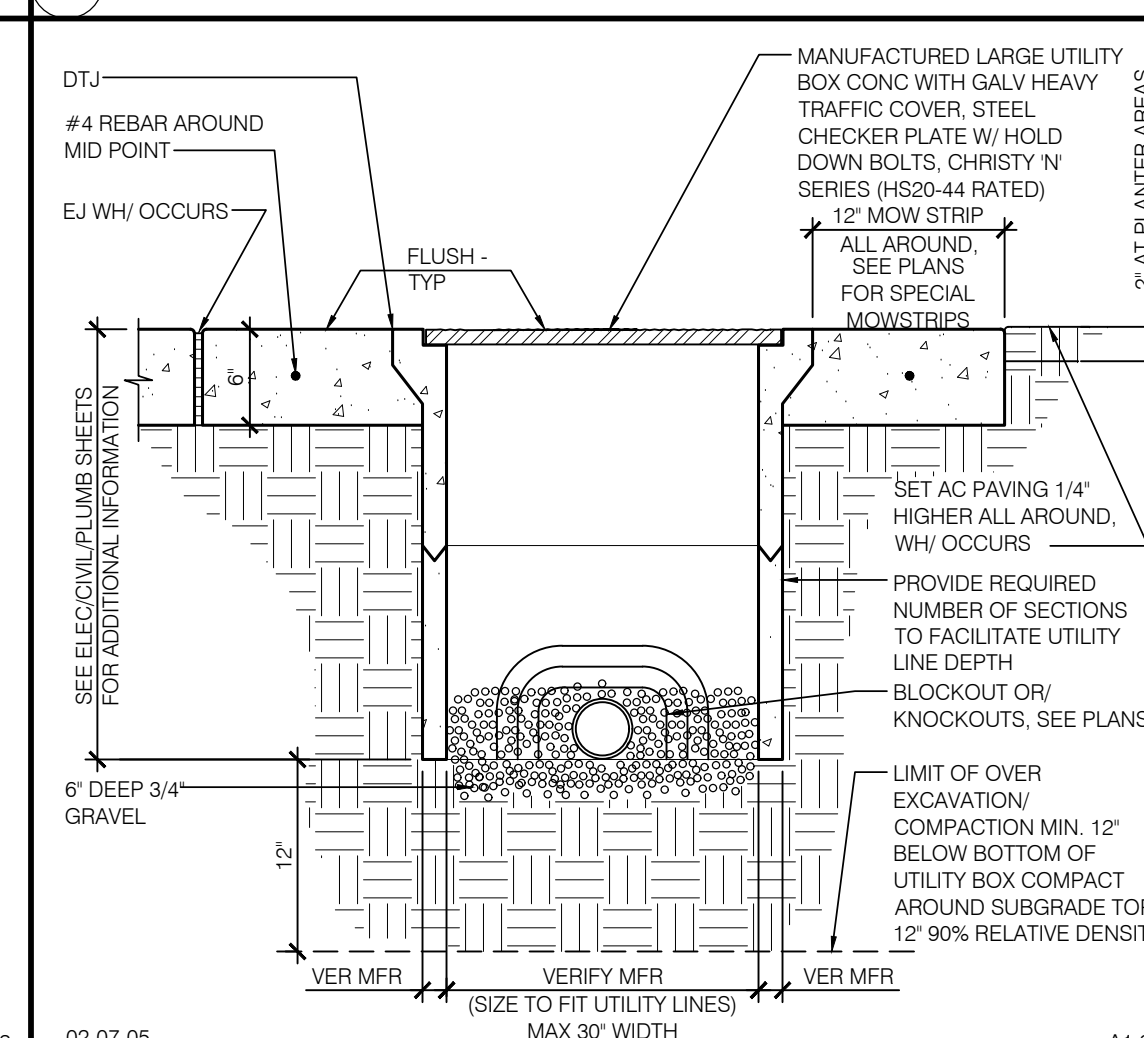
36) PLAN DETAIL : 3"



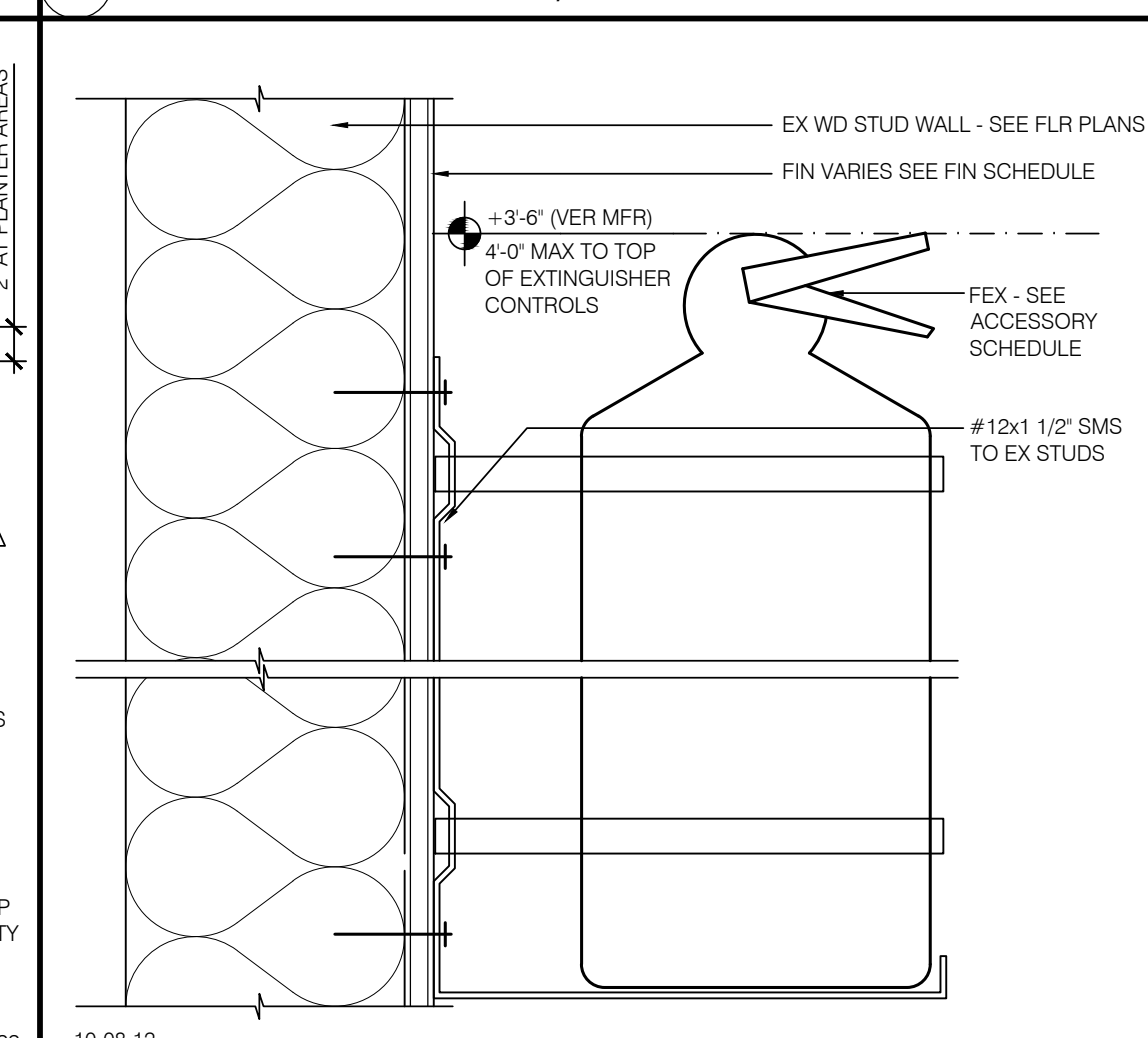
41) TYPICAL UTILITY TRENCH : 1/2"



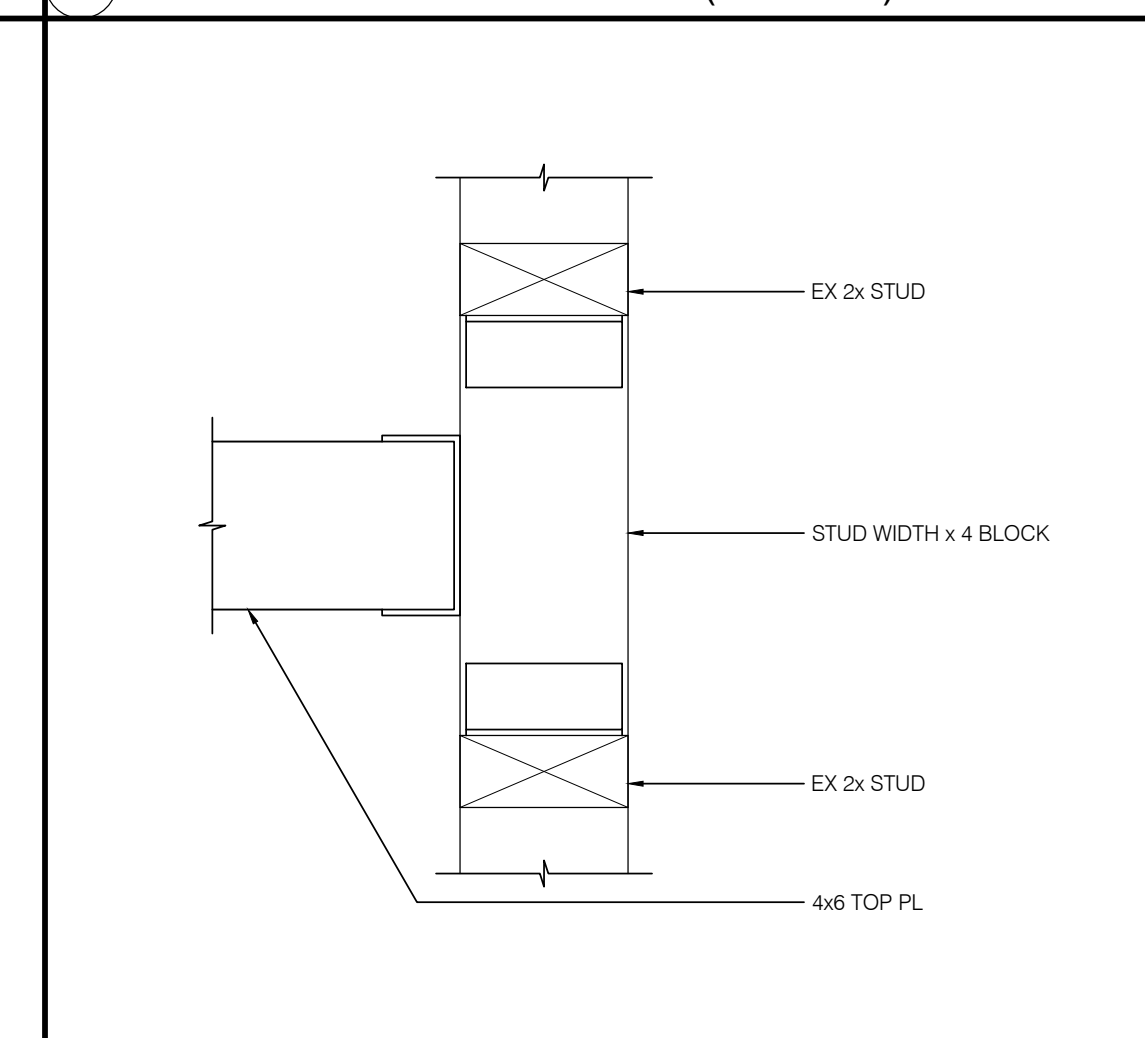
42) AC PAVING SECTION : 1 1/2"



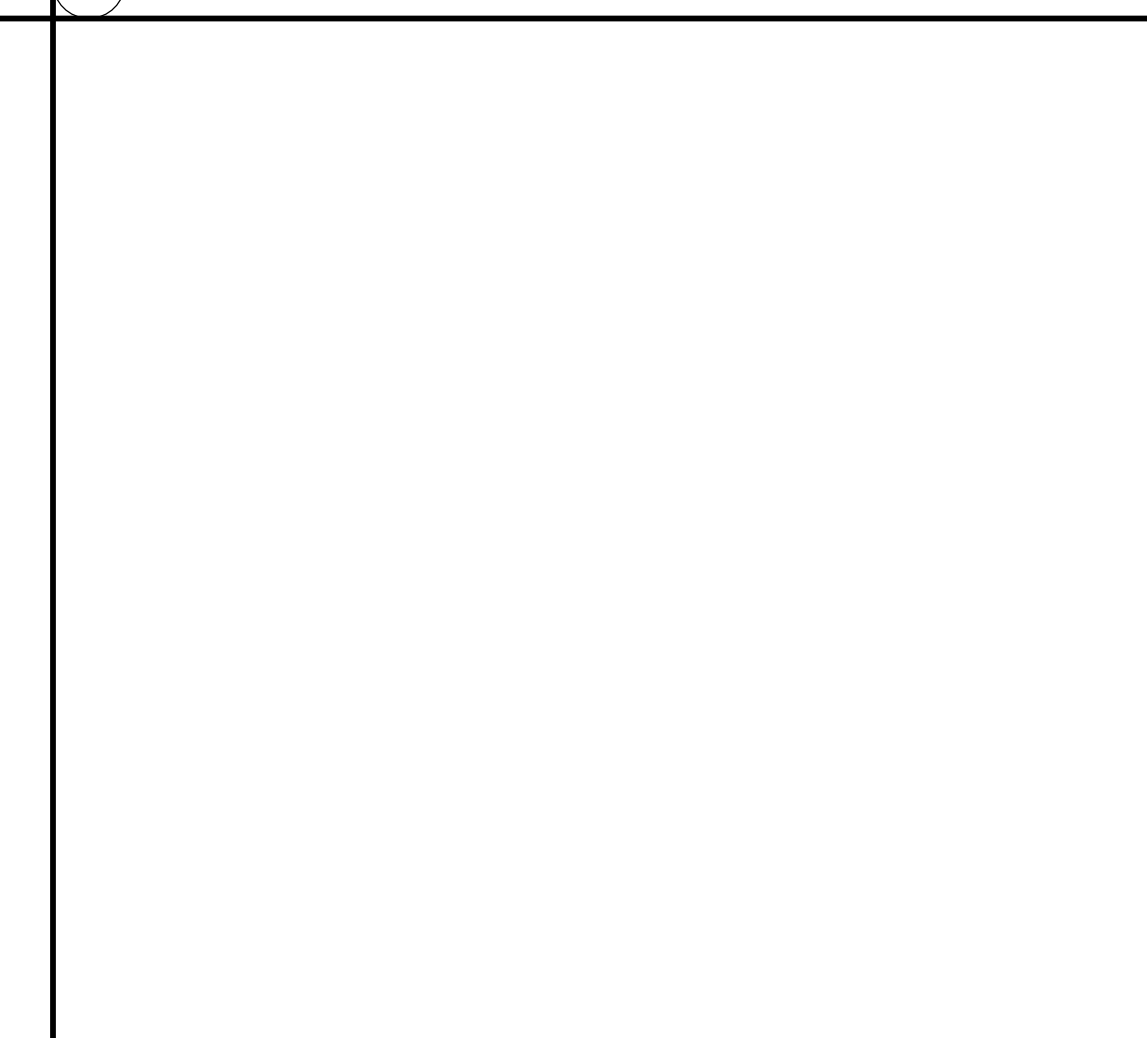
43) LARGE UTILITY BOX (SMALL UTILITY BOX SIM) : 1"



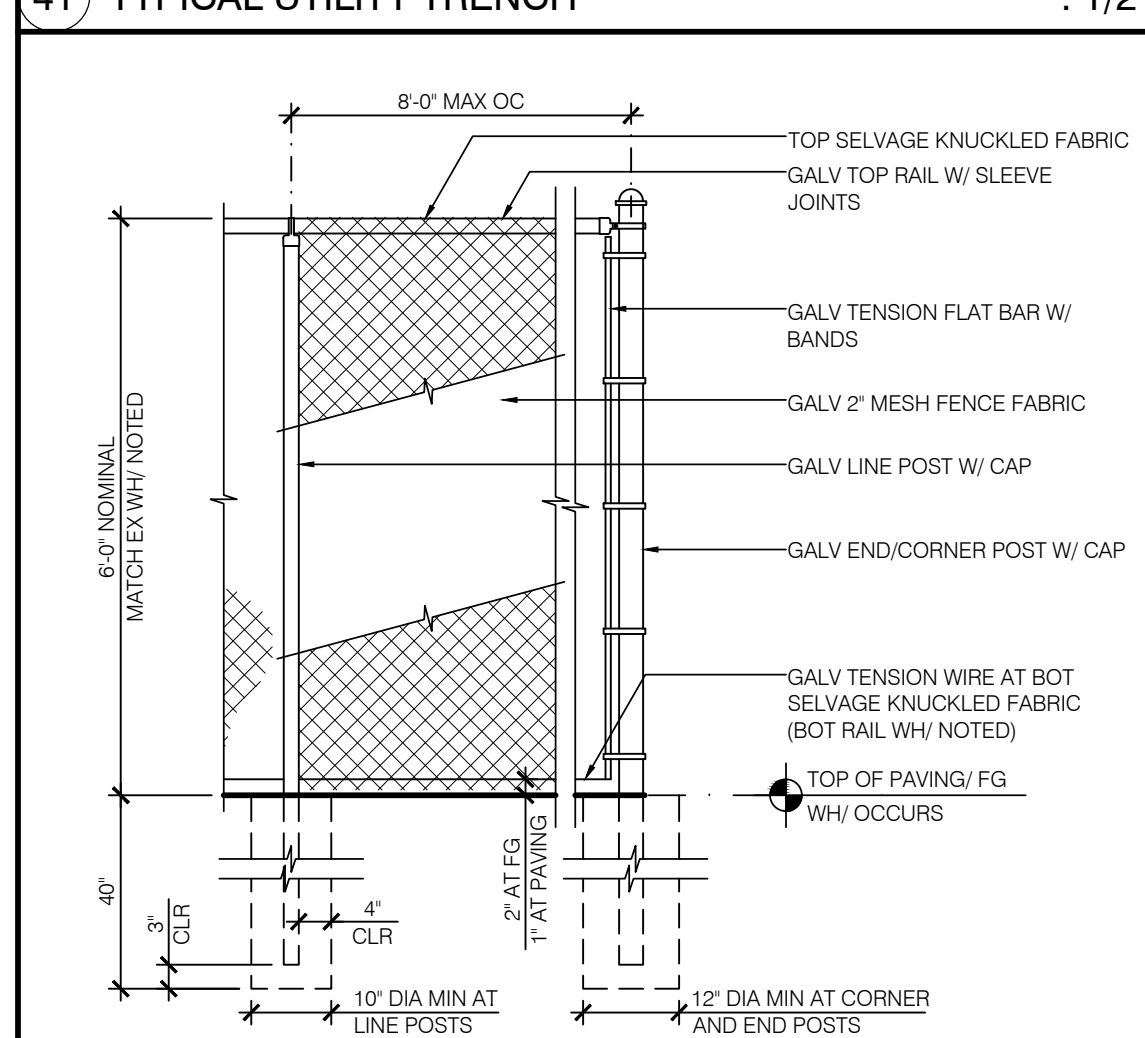
44) SURFACE MTD FIRE EXTINGUISHER : 3"



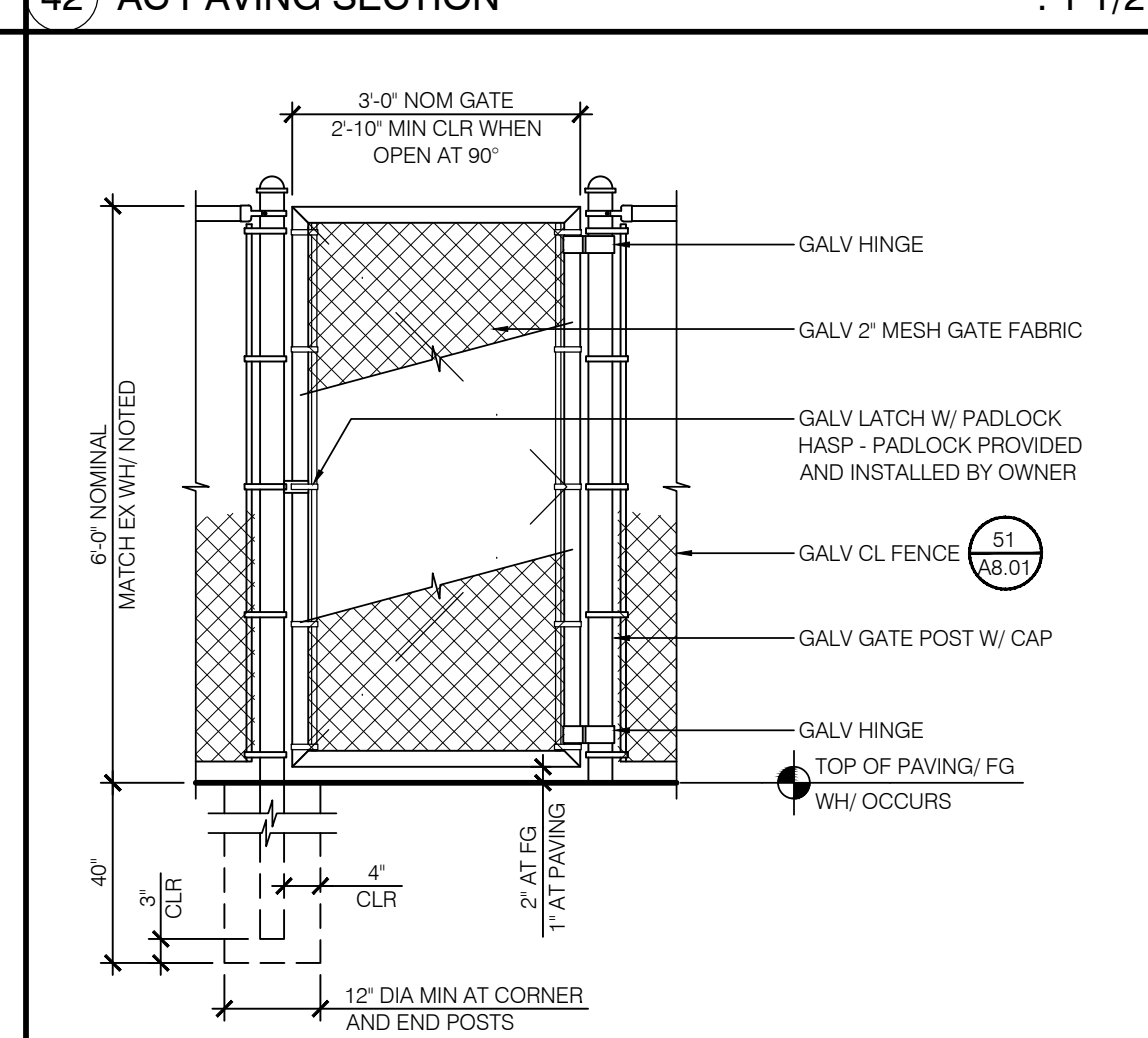
35) CONN OF TOP PL TO EX WALL (PLAN) : 3"



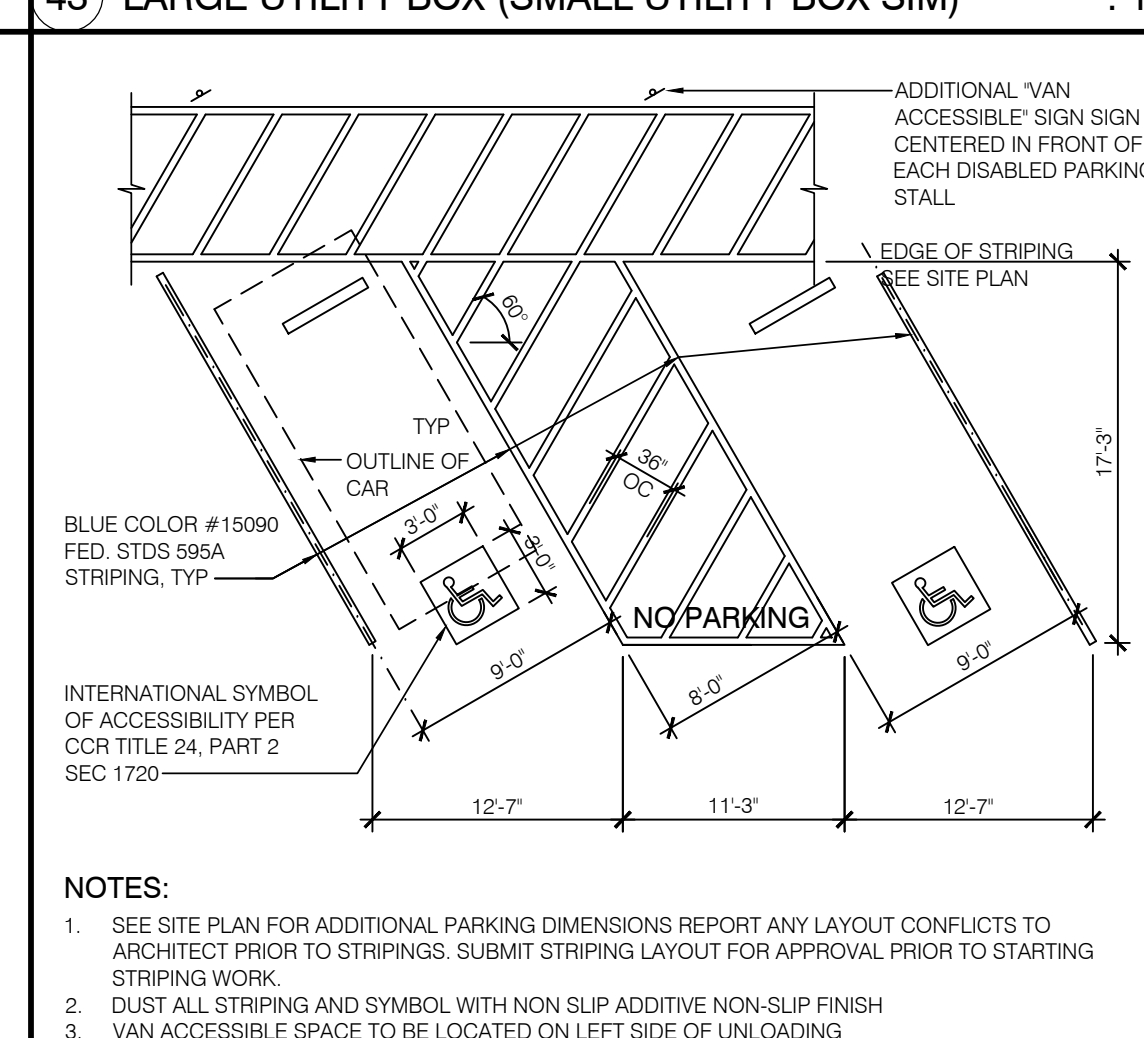
46) NOT USED



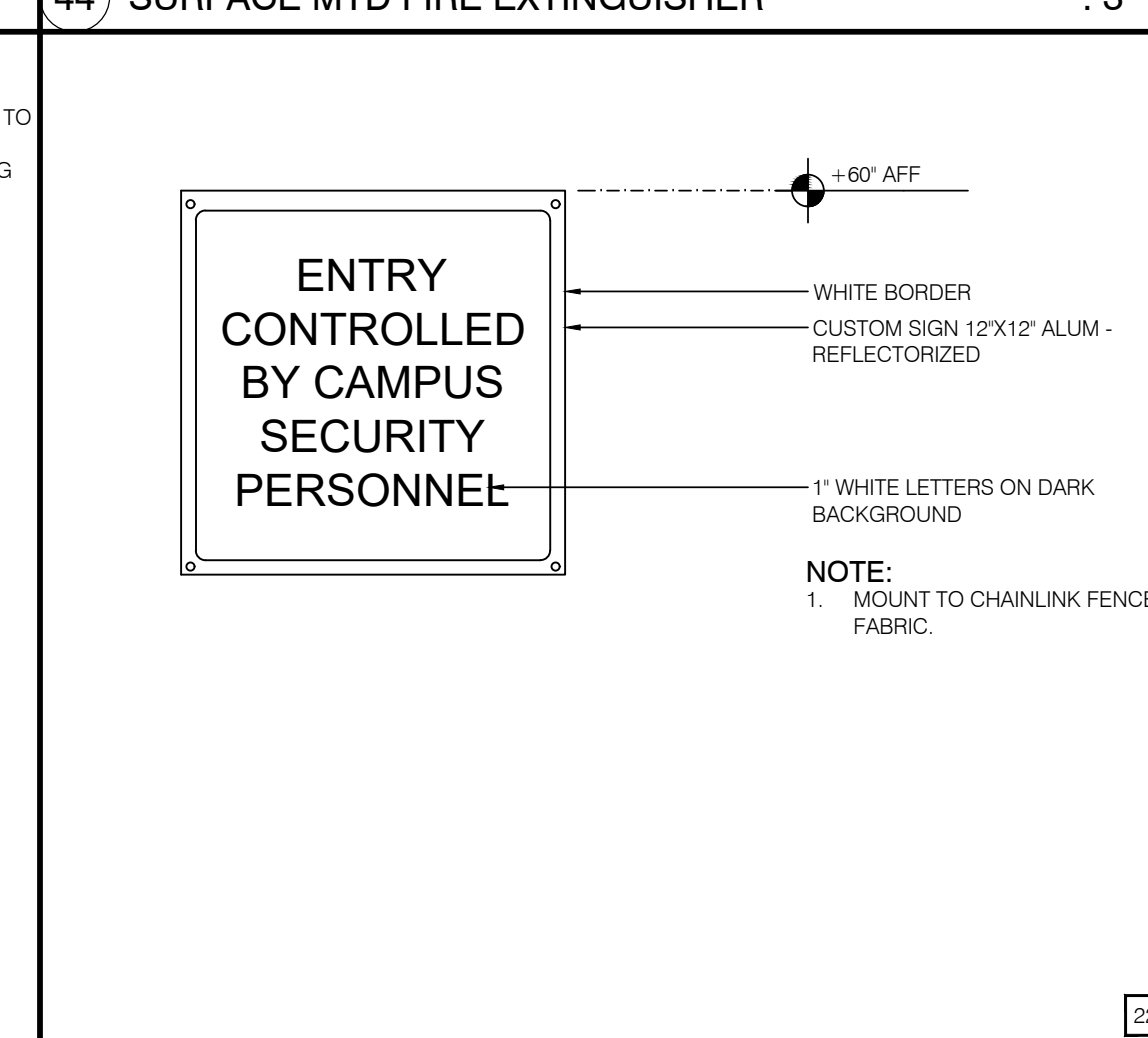
51) CHAINLINK FENCE : 1/2"



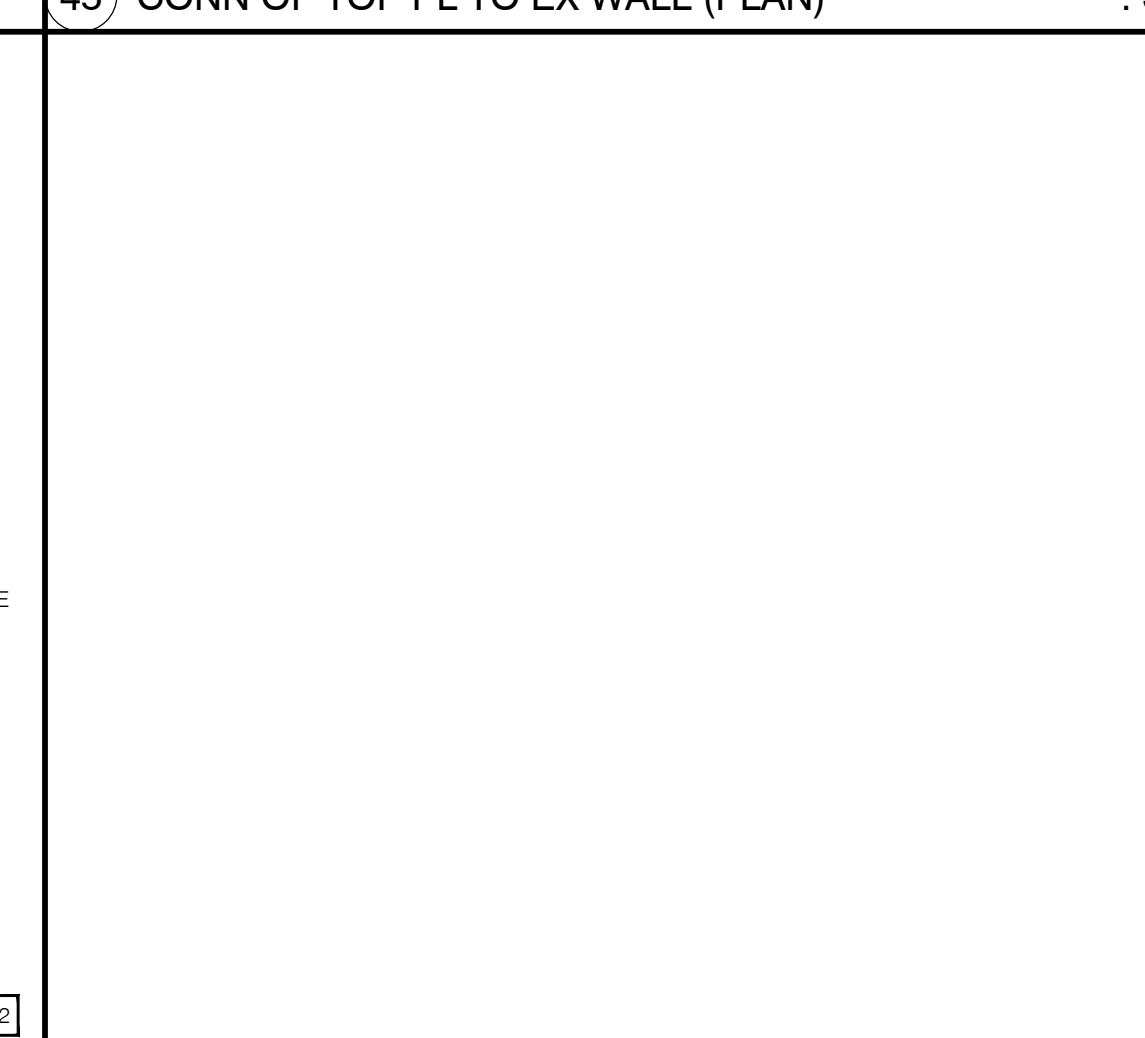
52) MECHANICAL YARD CHAINLINK GATE : 1/2"



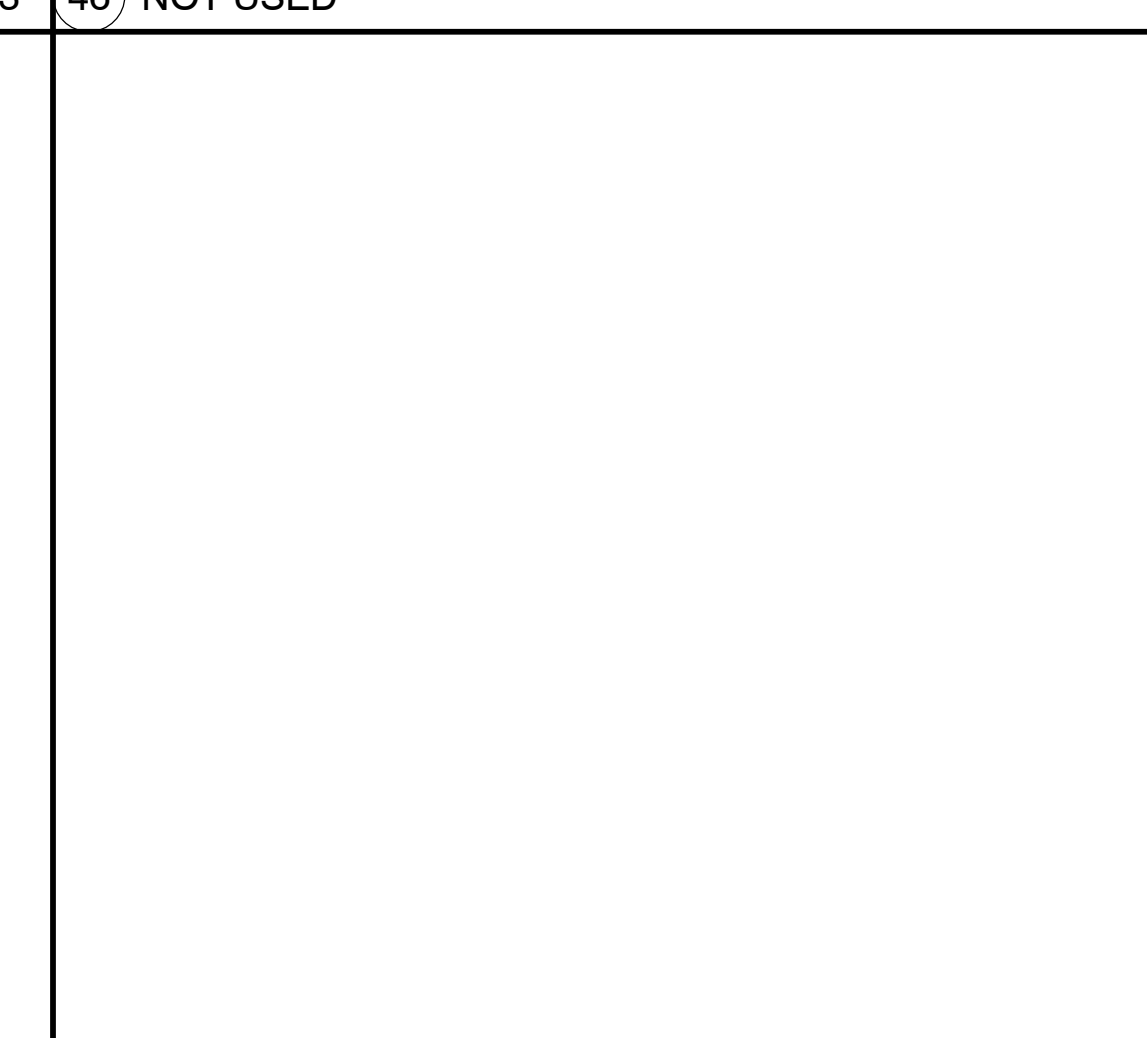
53) VAN PARKING STALLS : 1/8"



54) ACCESSIBLE PARKING SIGN (ENTRY) : NTS



55) NOT USED



56) NOT USED

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 APP: 03-122640 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 11/09/2023

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**CAMPUS HVAC
 SYSTEM UPGRADE**

Fremont Magnet
 Elementary School
 607 Texas St Bakersfield, CA 93307
 Bakersfield City School District

ARCHITECT

JAMES PATRICK FOGARTY, AIA
 ARCHITECT C-19670

CONSULTANT

PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15.6
DSA No	03-122640

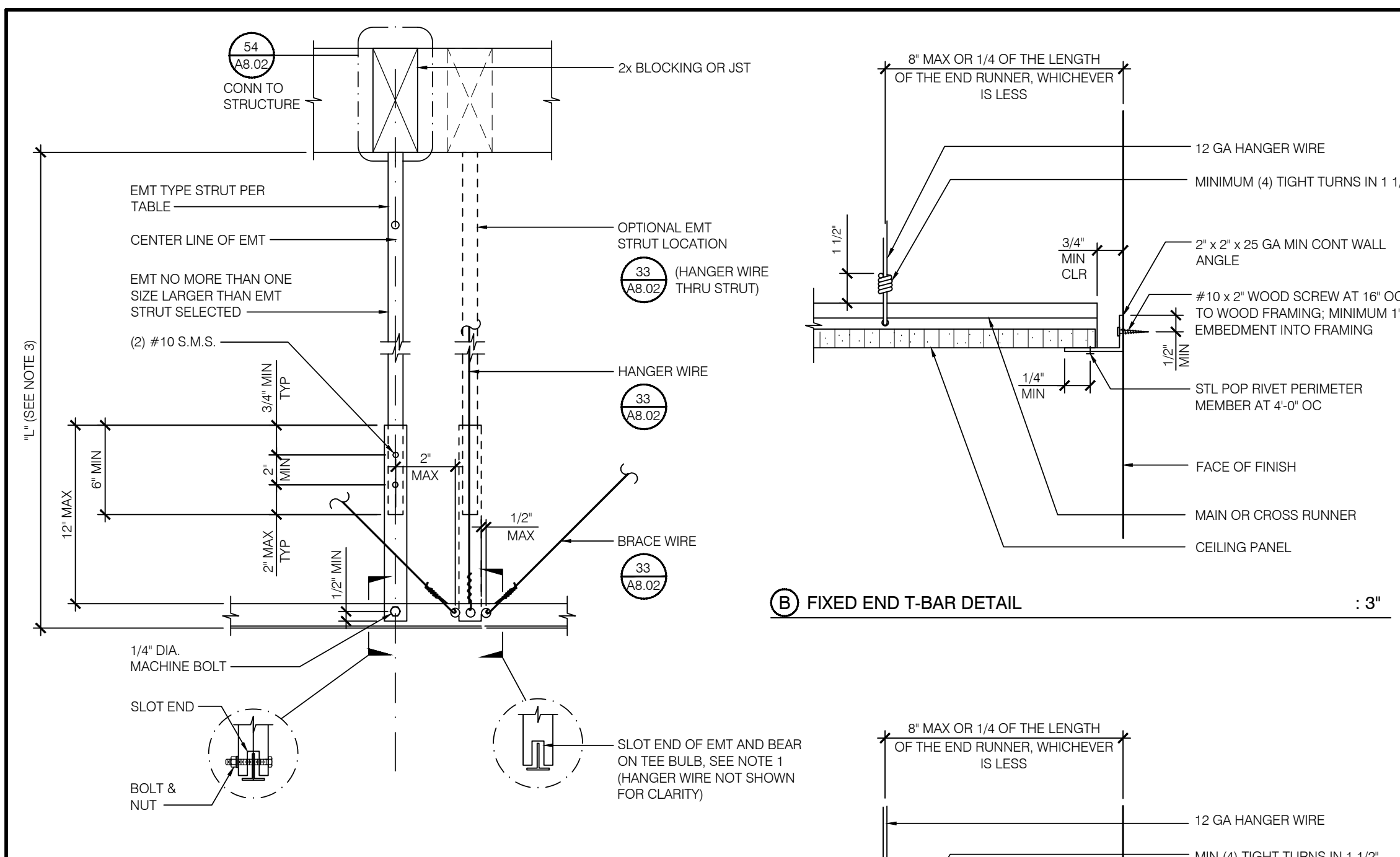
REVISIONS

No	Date	Item
1	00.00.08	DESCRIPTION

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DETAILS

A8.01

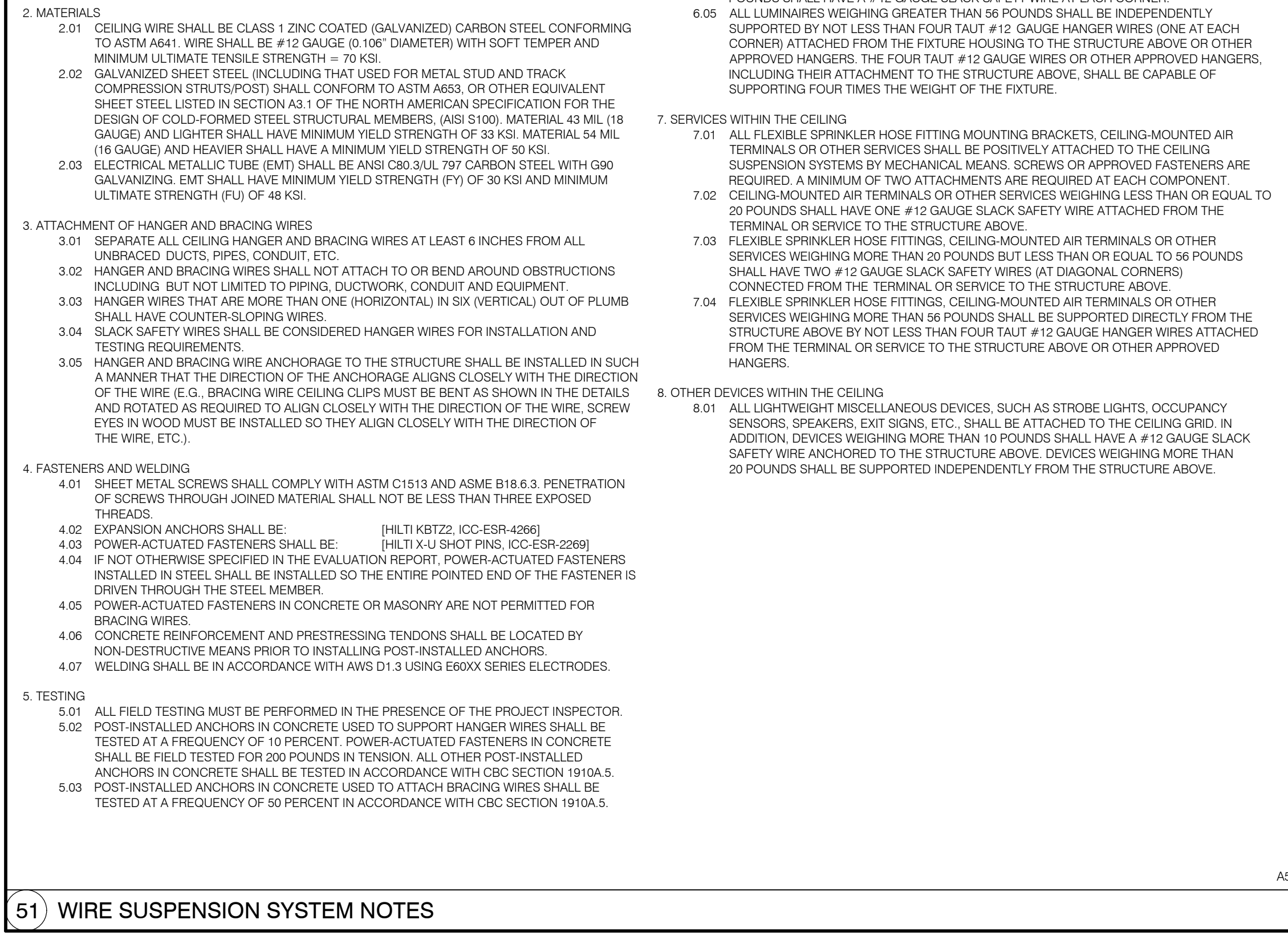
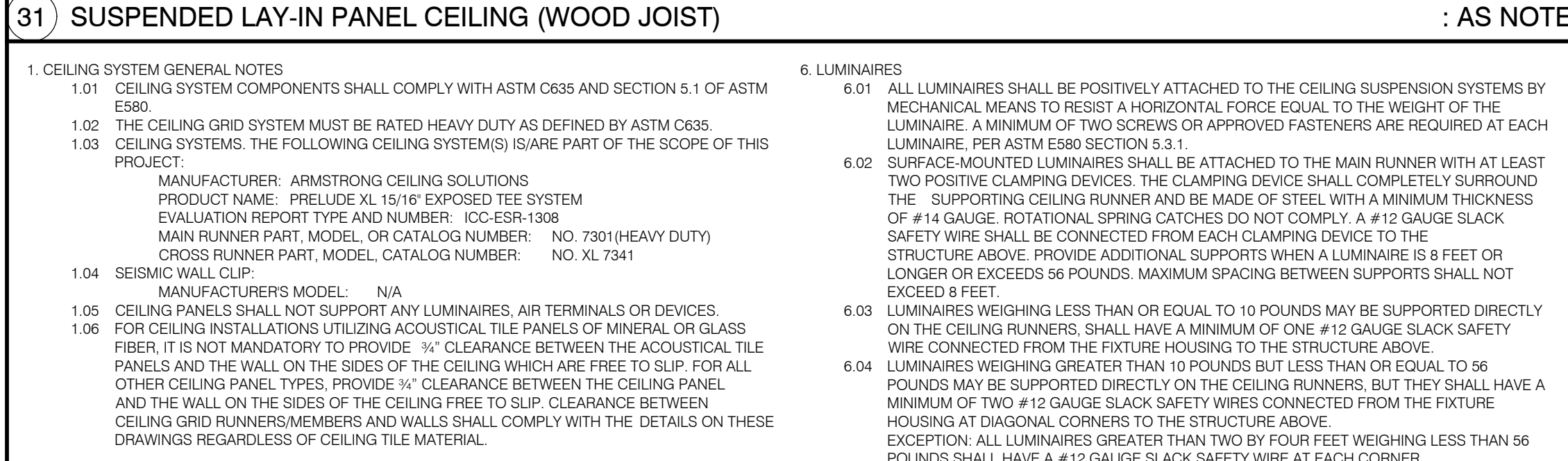
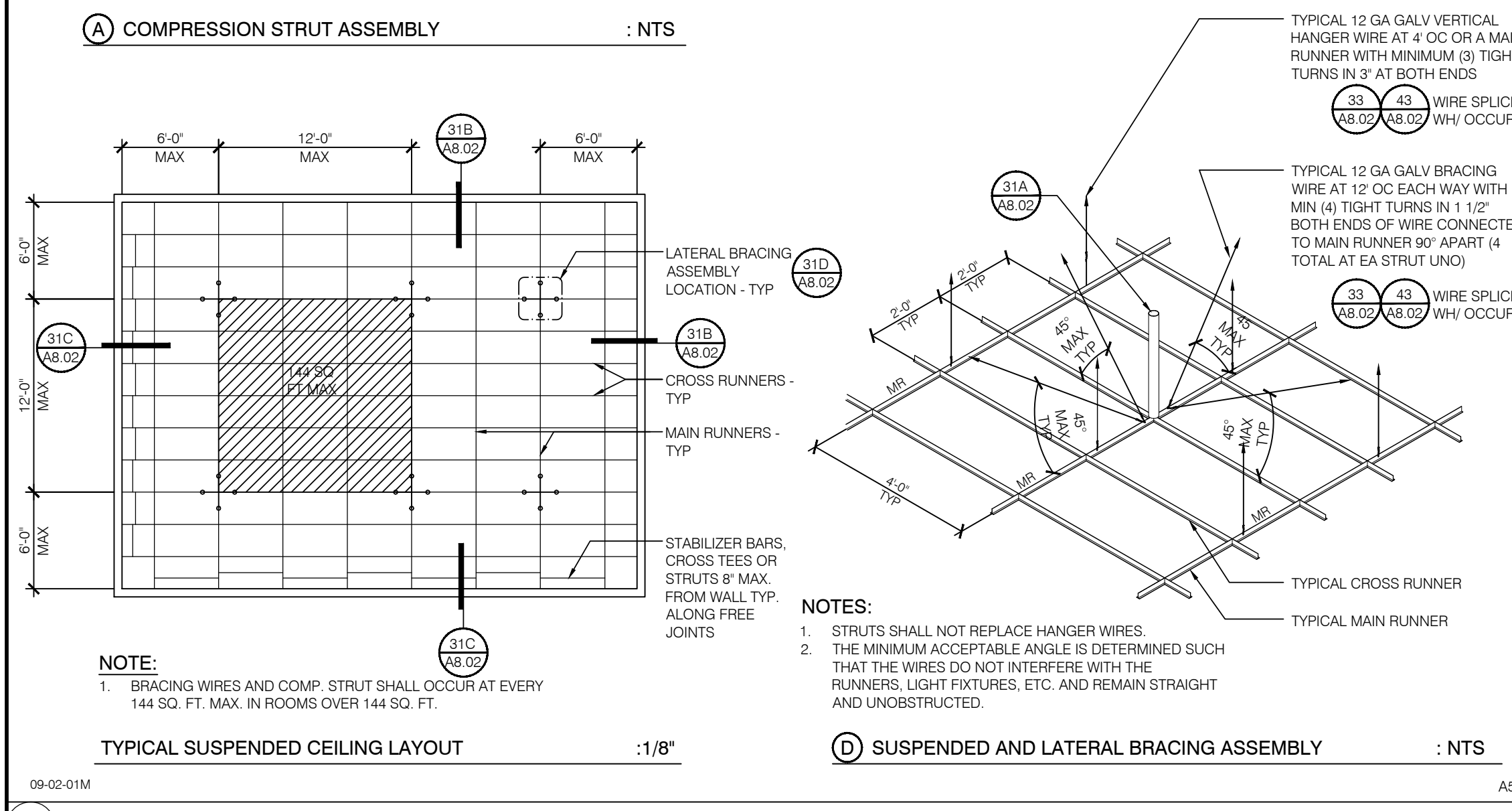


NOTES:

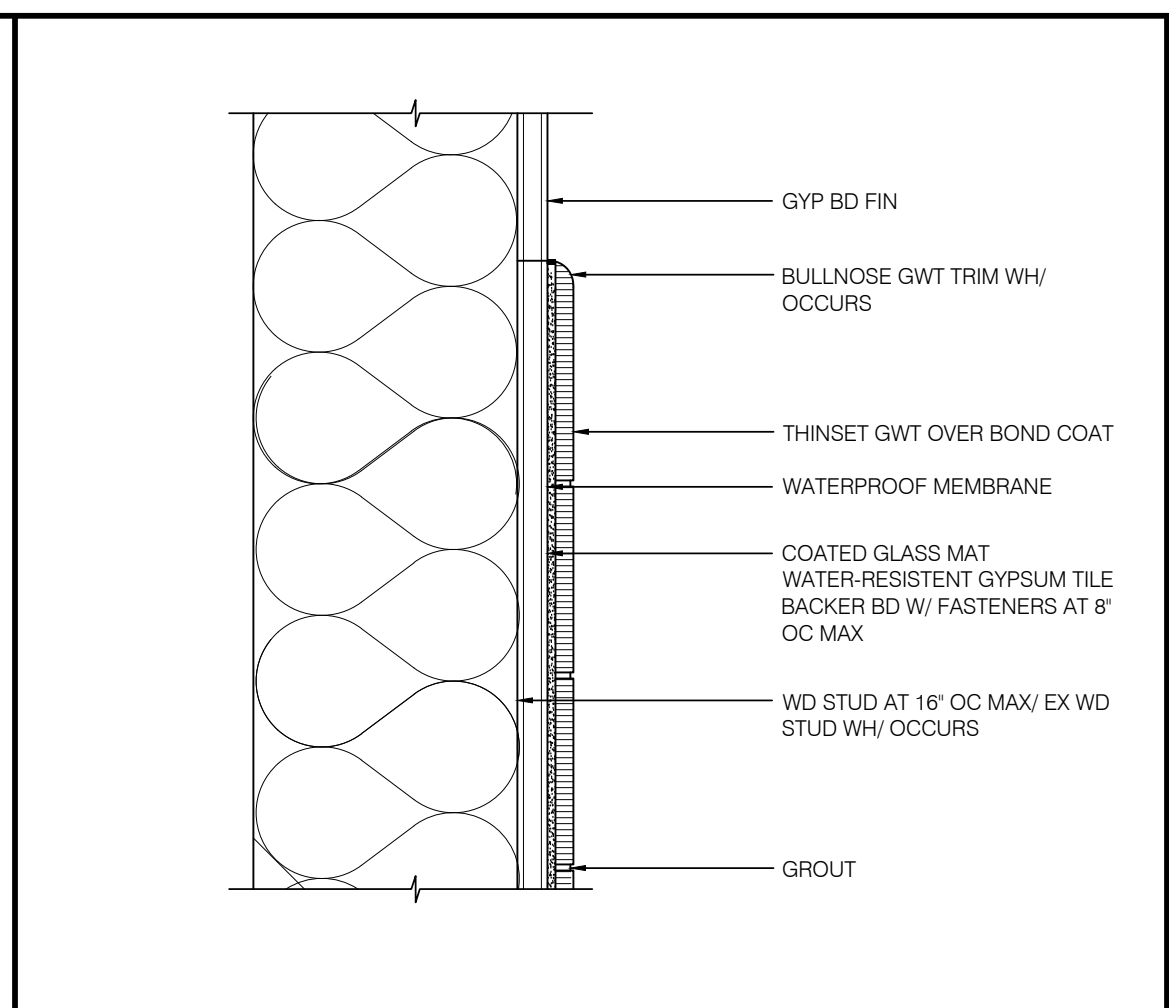
- MACHINE BOLT IS NOT REQUIRED AT OPTIONAL EMT STRUT LOCATION.
- OPTIONAL EMT STRUT LOCATION IS PERMITTED ONLY WHERE THE ROOF OR FLOOR STRUCTURE IS SAWN TIMBER WITHOUT GYPSUM BOARD.
- DIMENSION L¹ SHALL NOT EXCEED THE ALLOWABLE LENGTH GIVEN FOR THE COMPRESSION STRUT USED.

TRADE SIZES	TUBING THICKNESS INCHES	MAXIMUM LENGTH EMT CONDUIT L ¹ -200 MAX
1/2" EMT	0.042	3'-11"
3/4" EMT	0.049	6'-4"
1" EMT	0.057	9'-9"
1 1/4" EMT	0.065	12'-9"
1 1/2" EMT	0.065	14'-9"
2" EMT	0.065	18'-10"

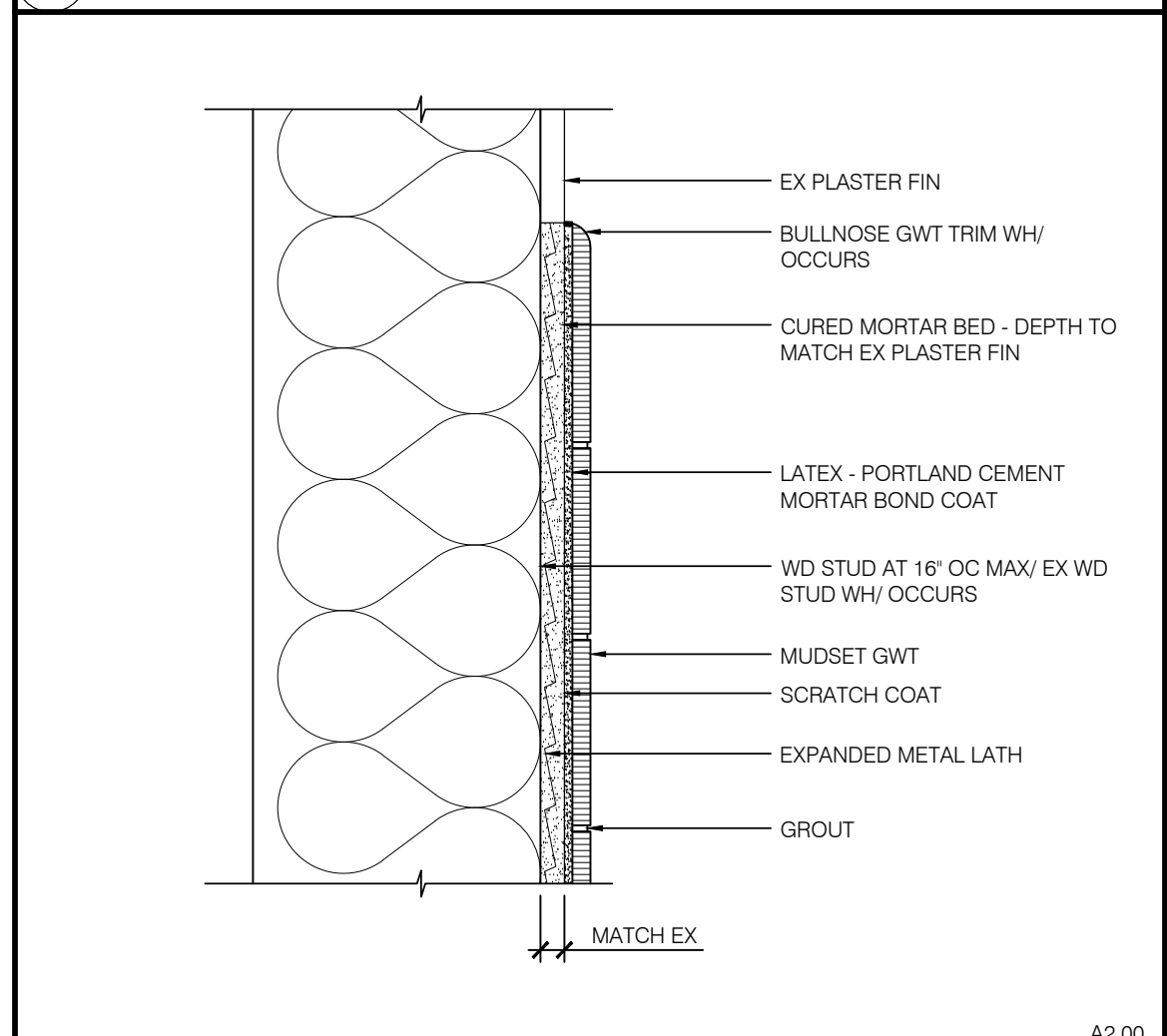
COMPRESSION STRUT TABLE



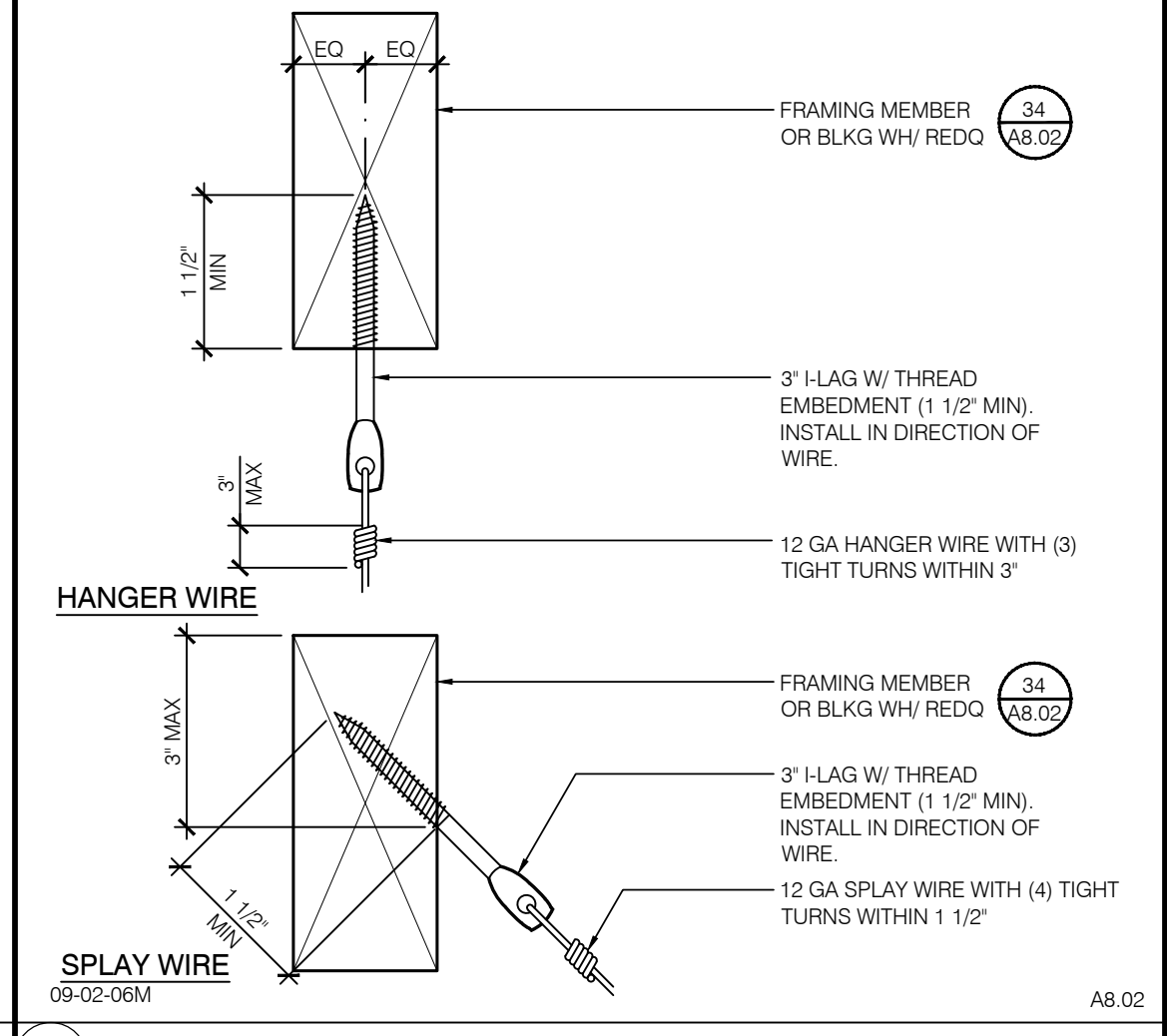
31) WIRE SUSPENSION SYSTEM NOTES : AS NOTED



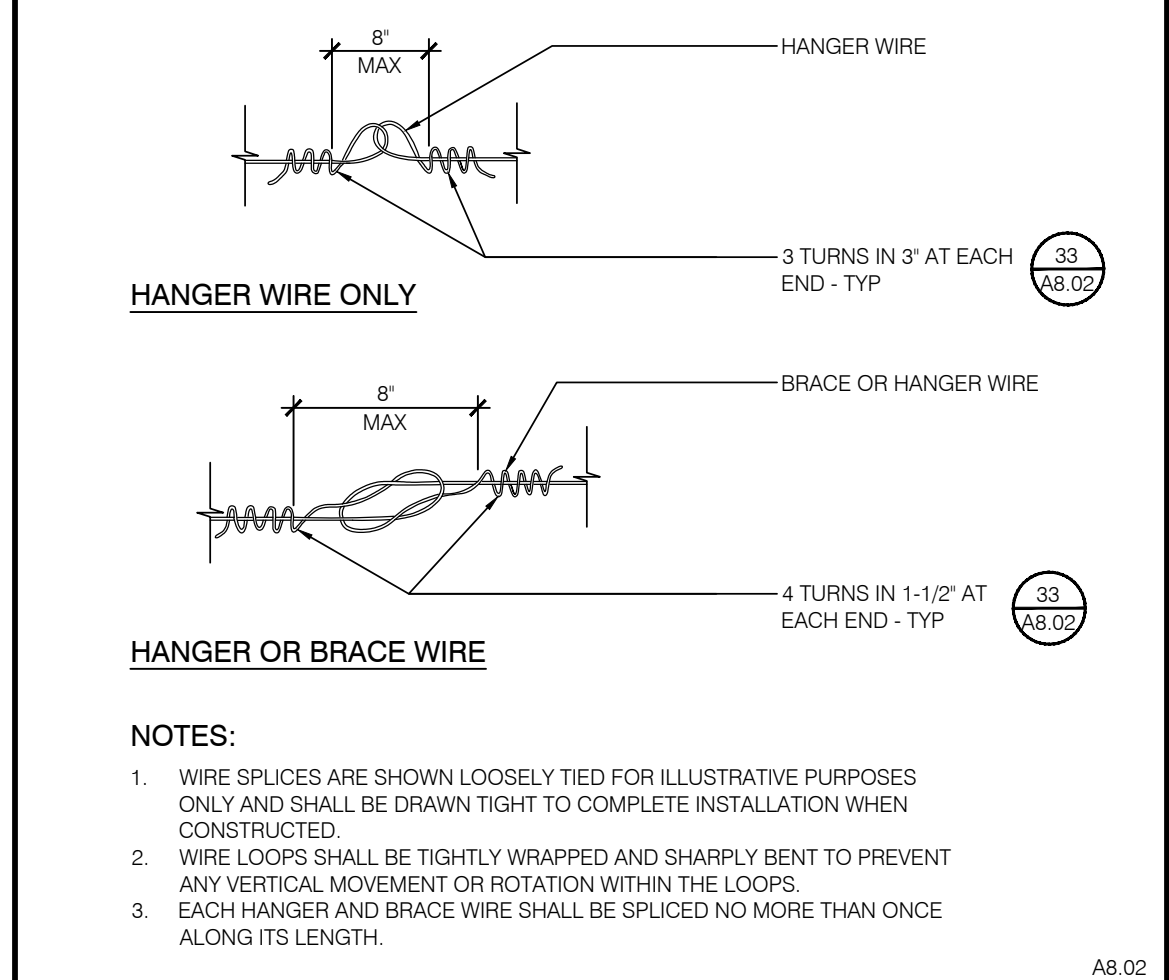
13) THINSET TILE AT STUD WALL (TCNA W245) : 3"



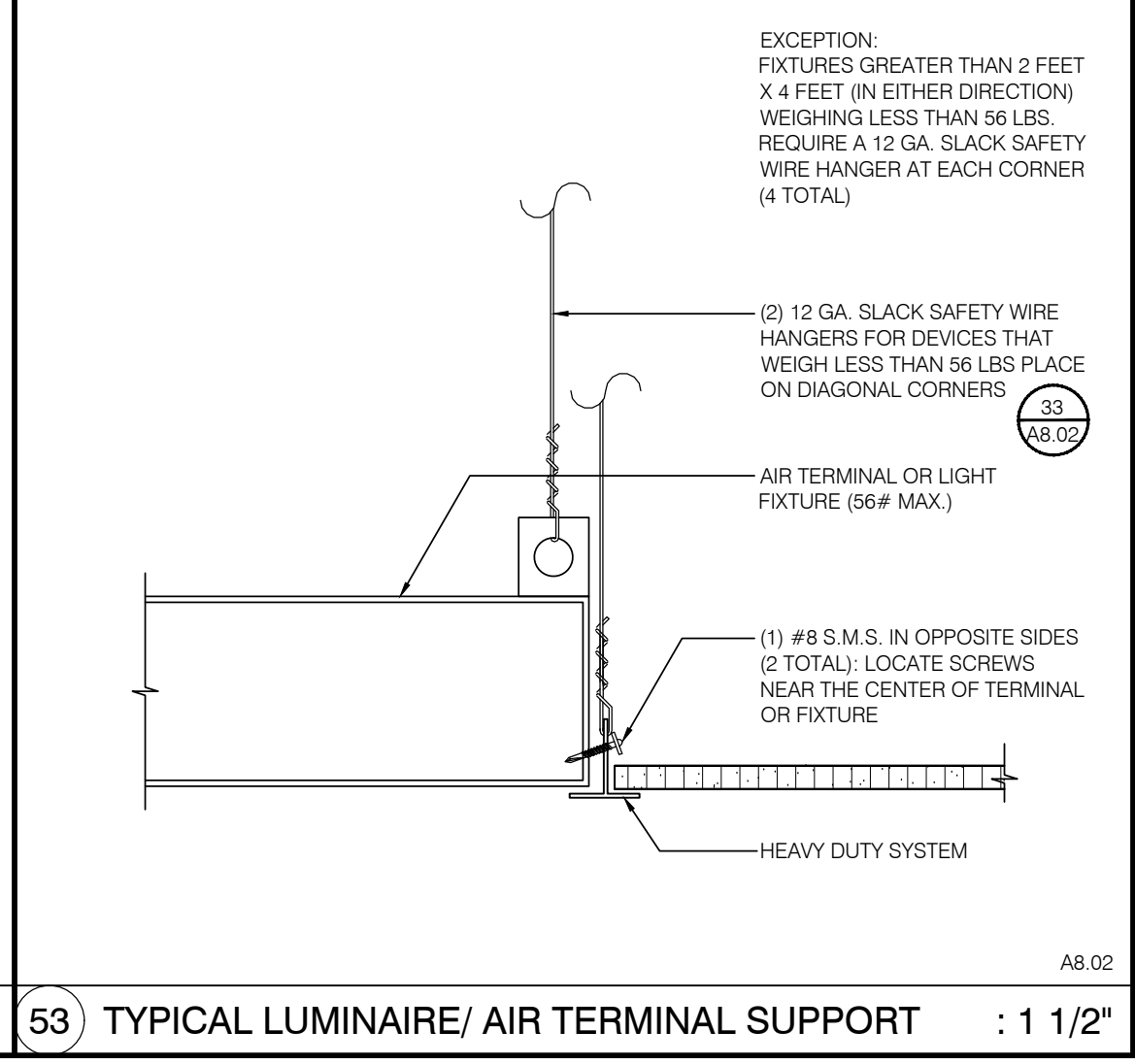
14) UCMT AT EX DEPRESSED CONC SLAB (TCNA F111) : 3"



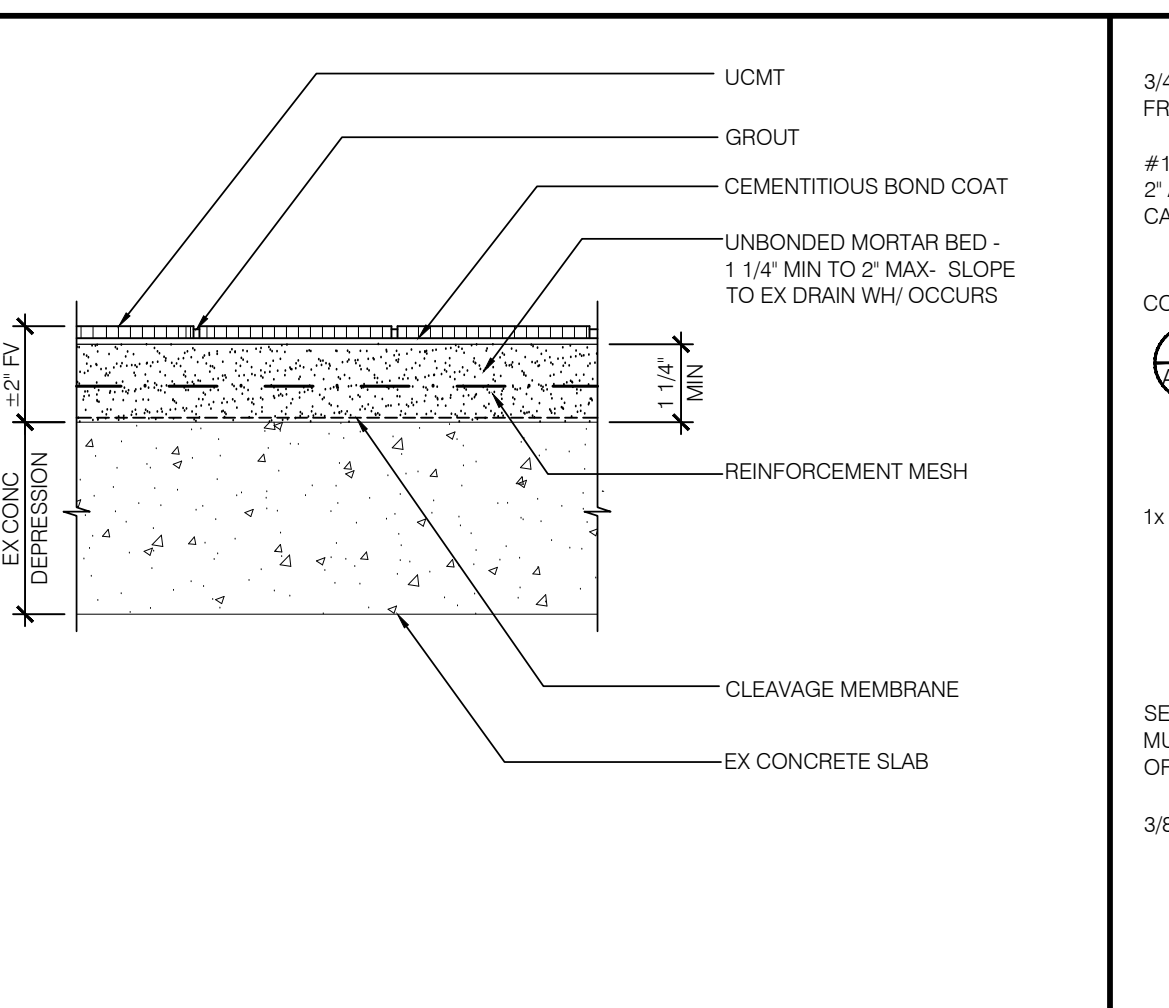
23) MUDSET TILE AT STUD WALL (TCNA W231) : 3"



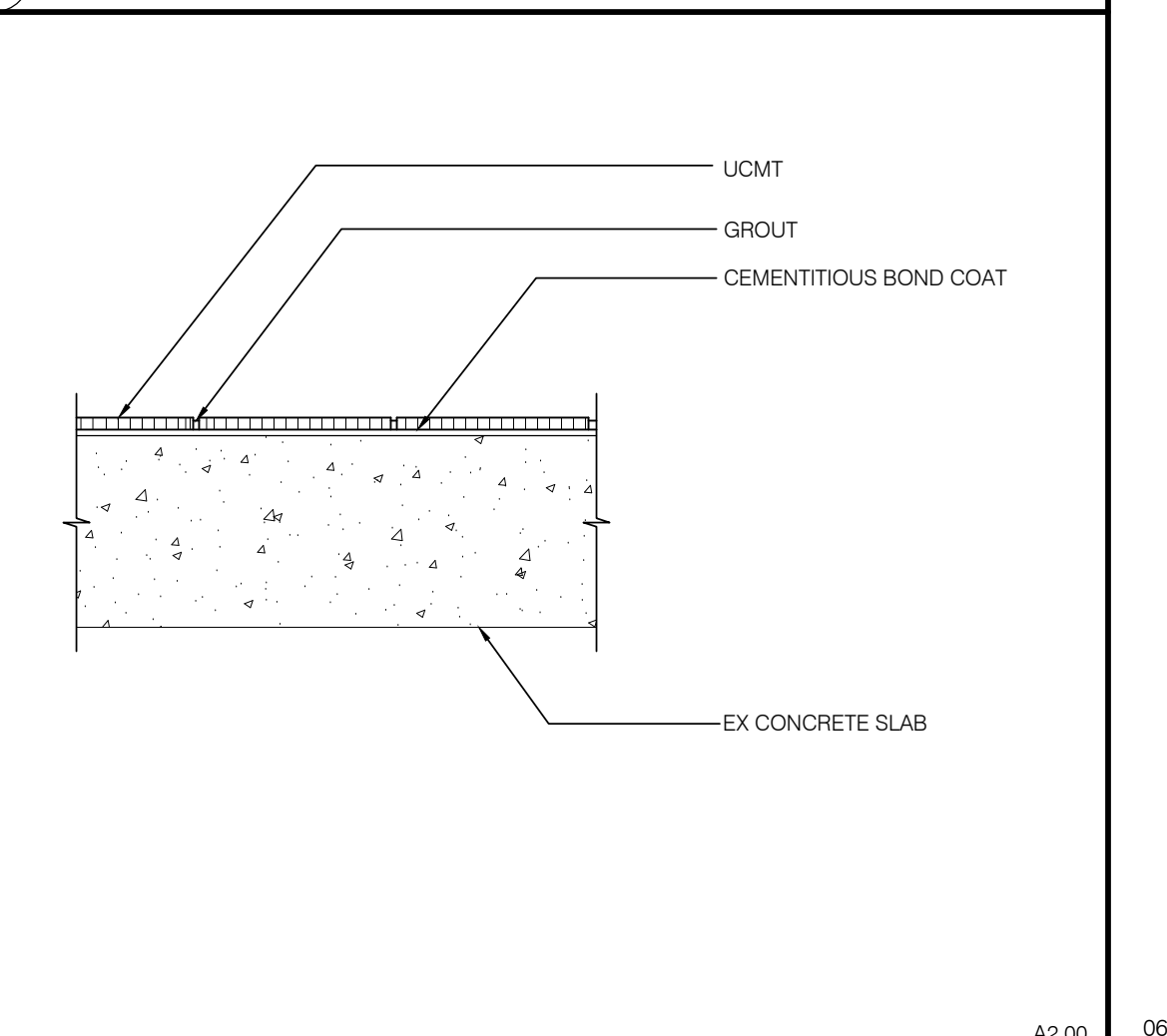
24) UCMT AT EX CONC SLAB (TCNA F122) : 3"



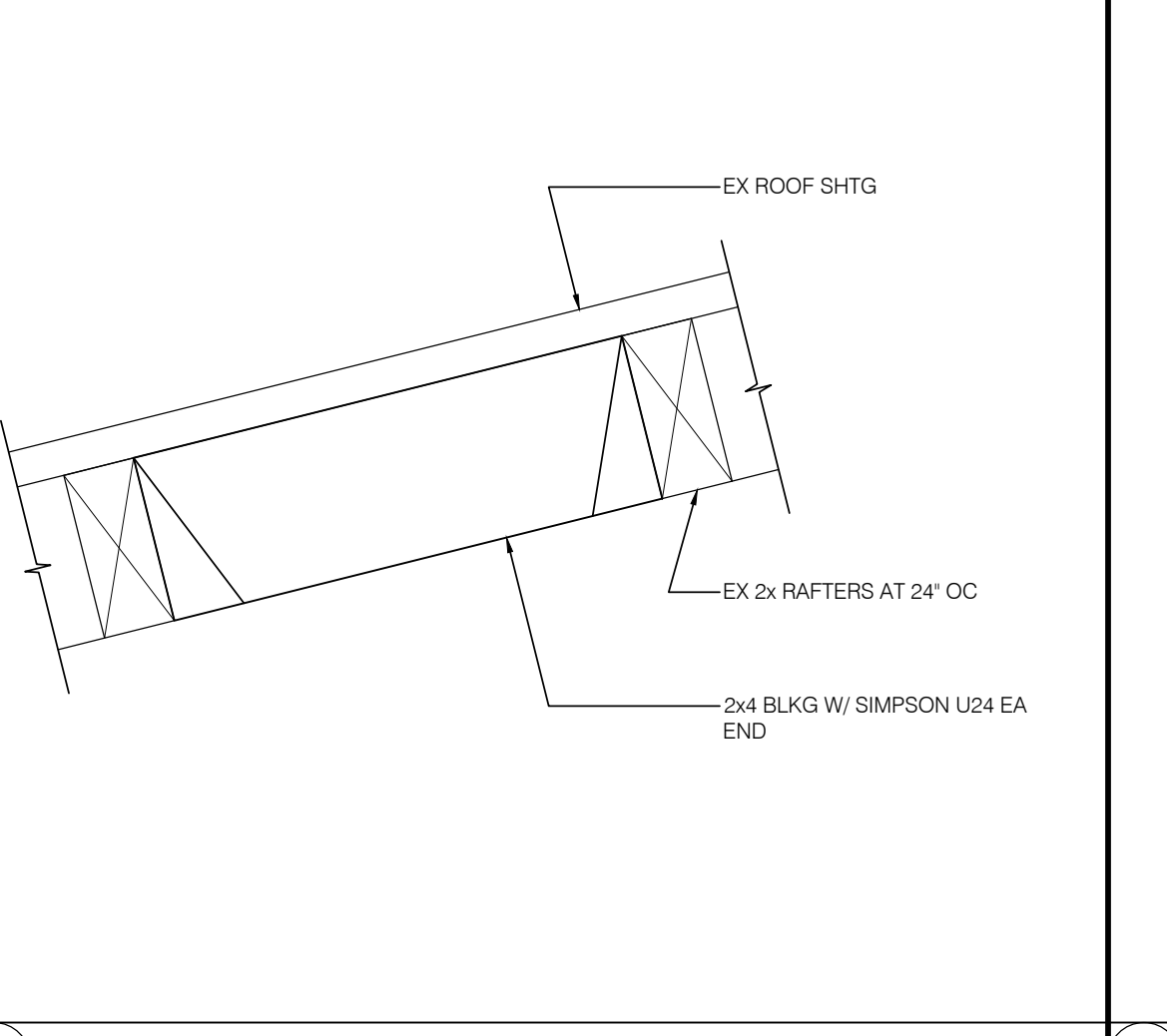
43) TYPICAL CEILING WIRE SPLICES : 1 1/2"



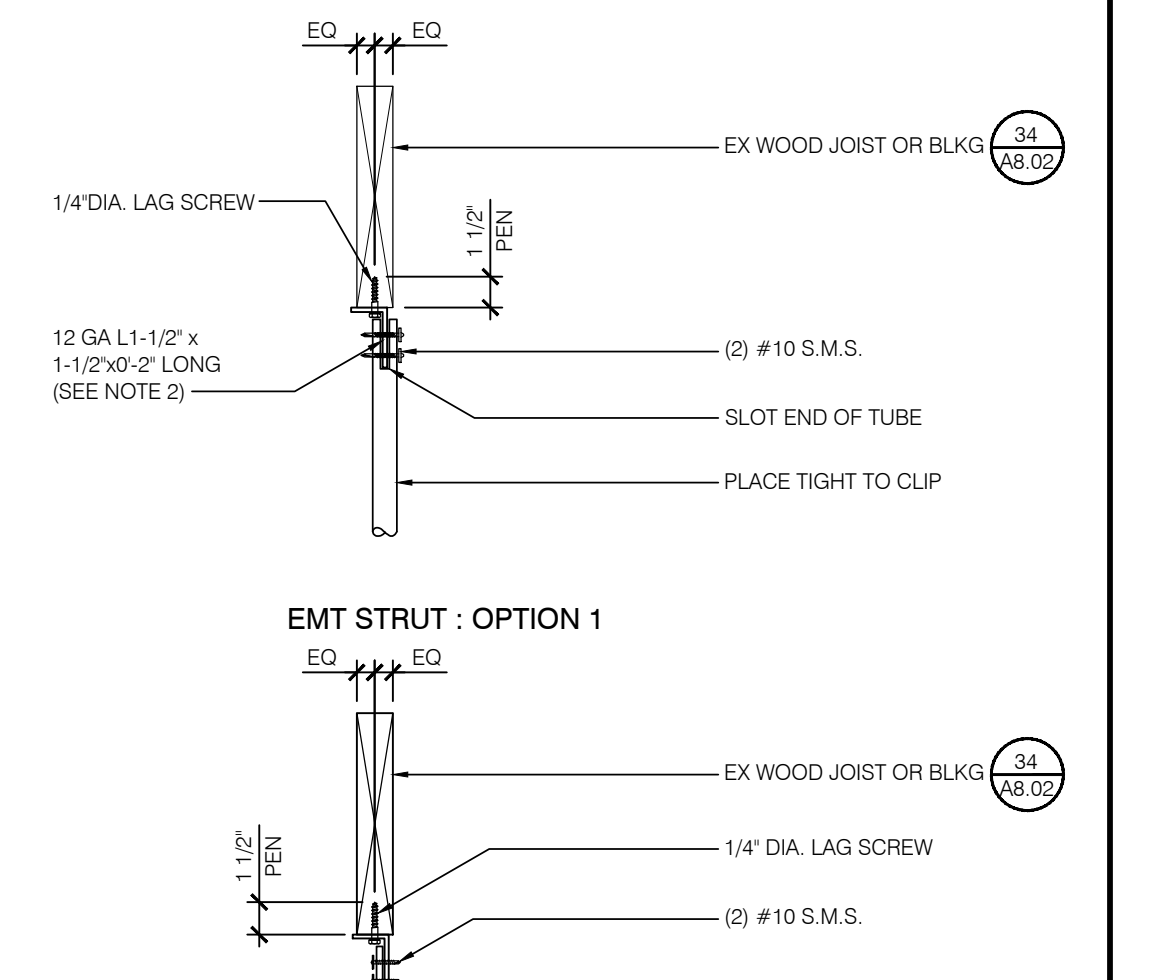
33) WIRE SUPPORT AT WOOD MEMBER : 6"



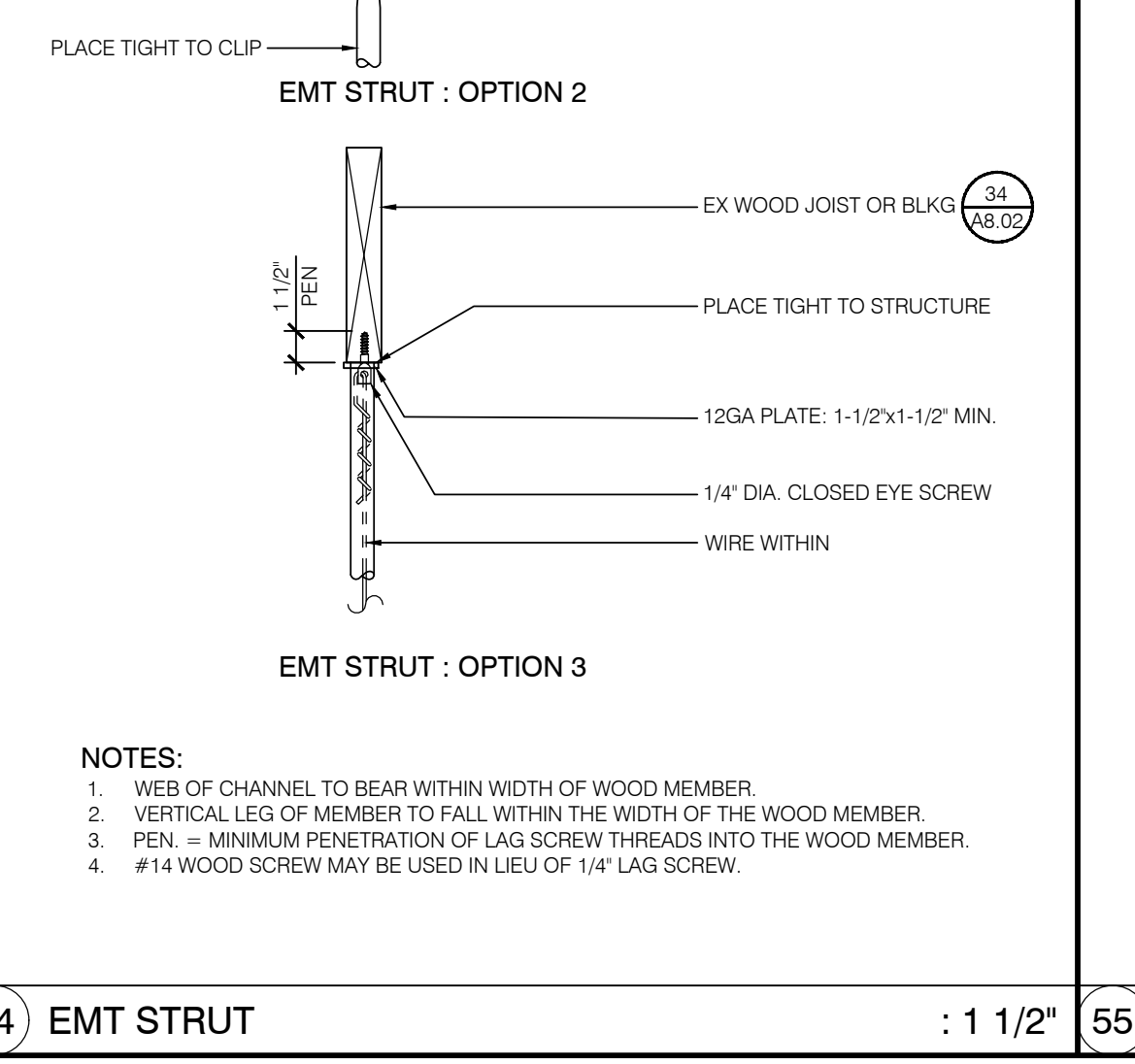
34) BLKG AT ROOF RAFTER : 3"



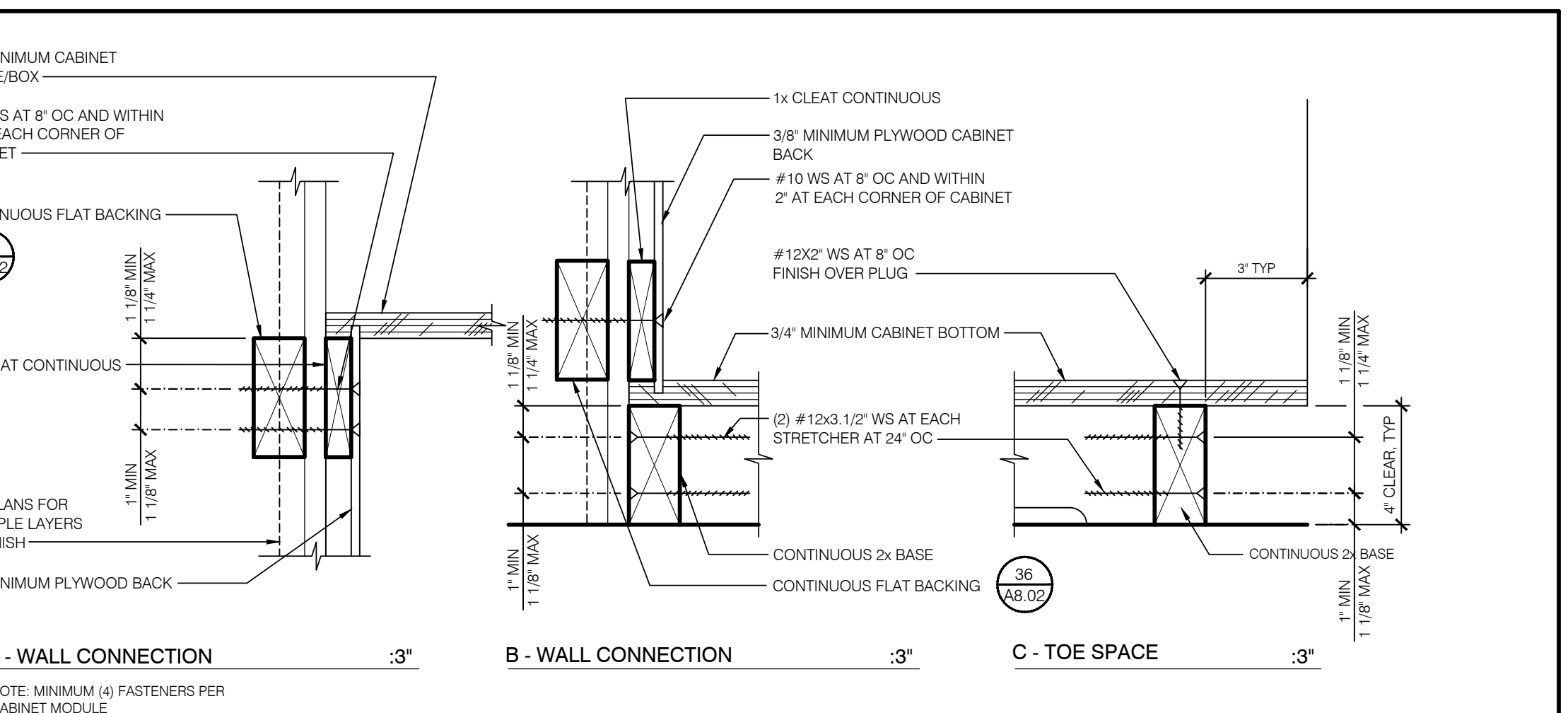
35) NOT USED



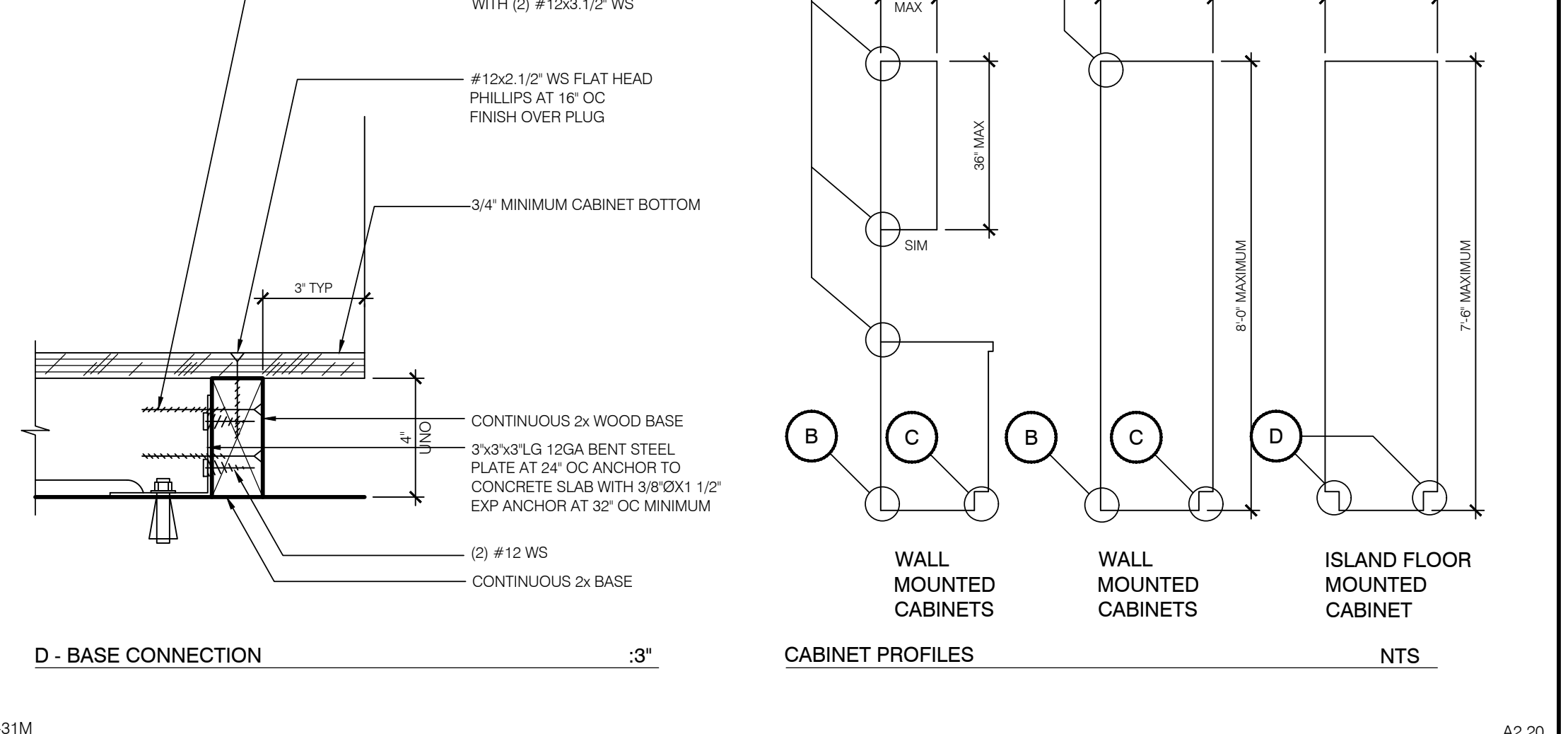
36) WOOD BACKING : 3"



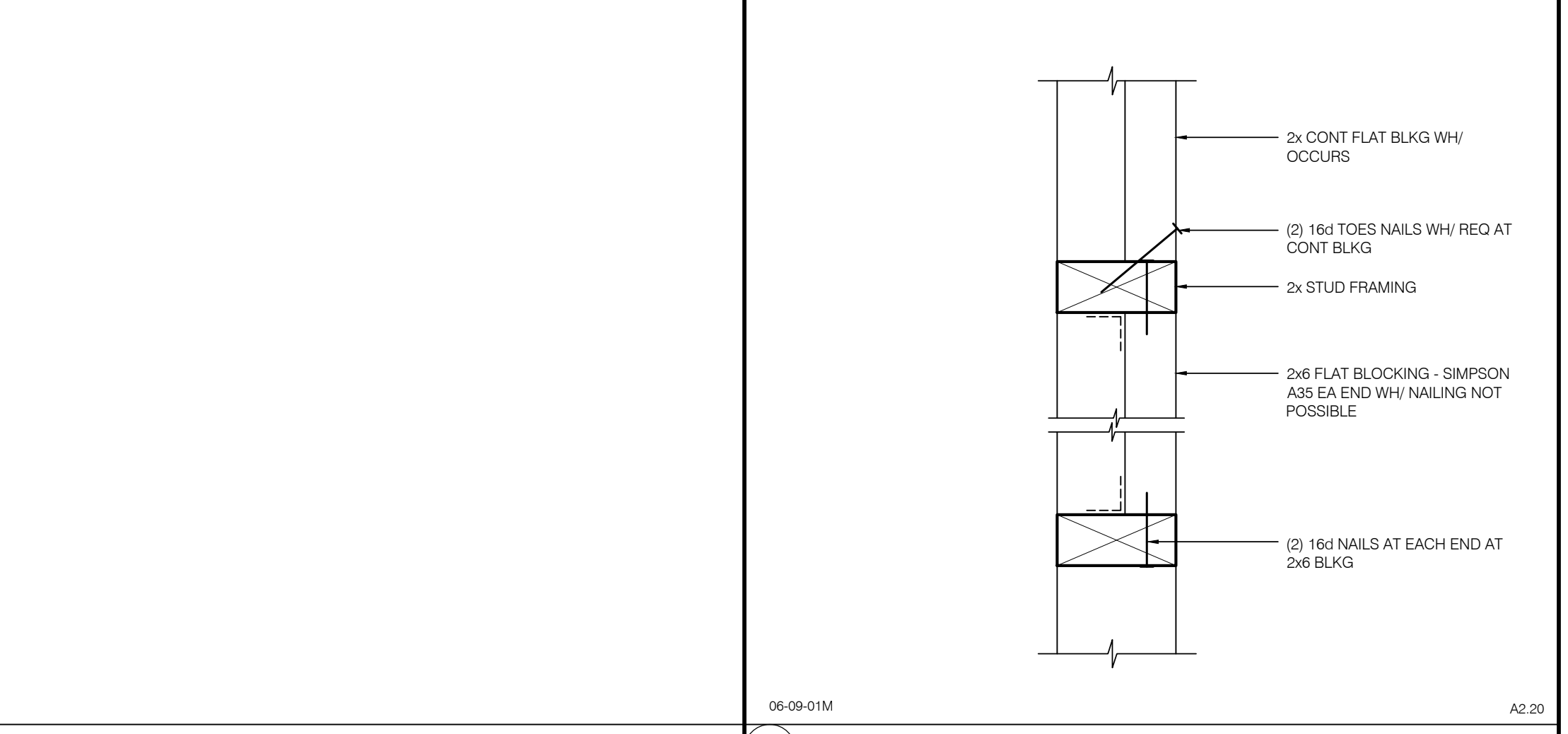
44) TYPICAL LUMINAIRE/ AIR TERMINAL SUPPORT : 1 1/2"



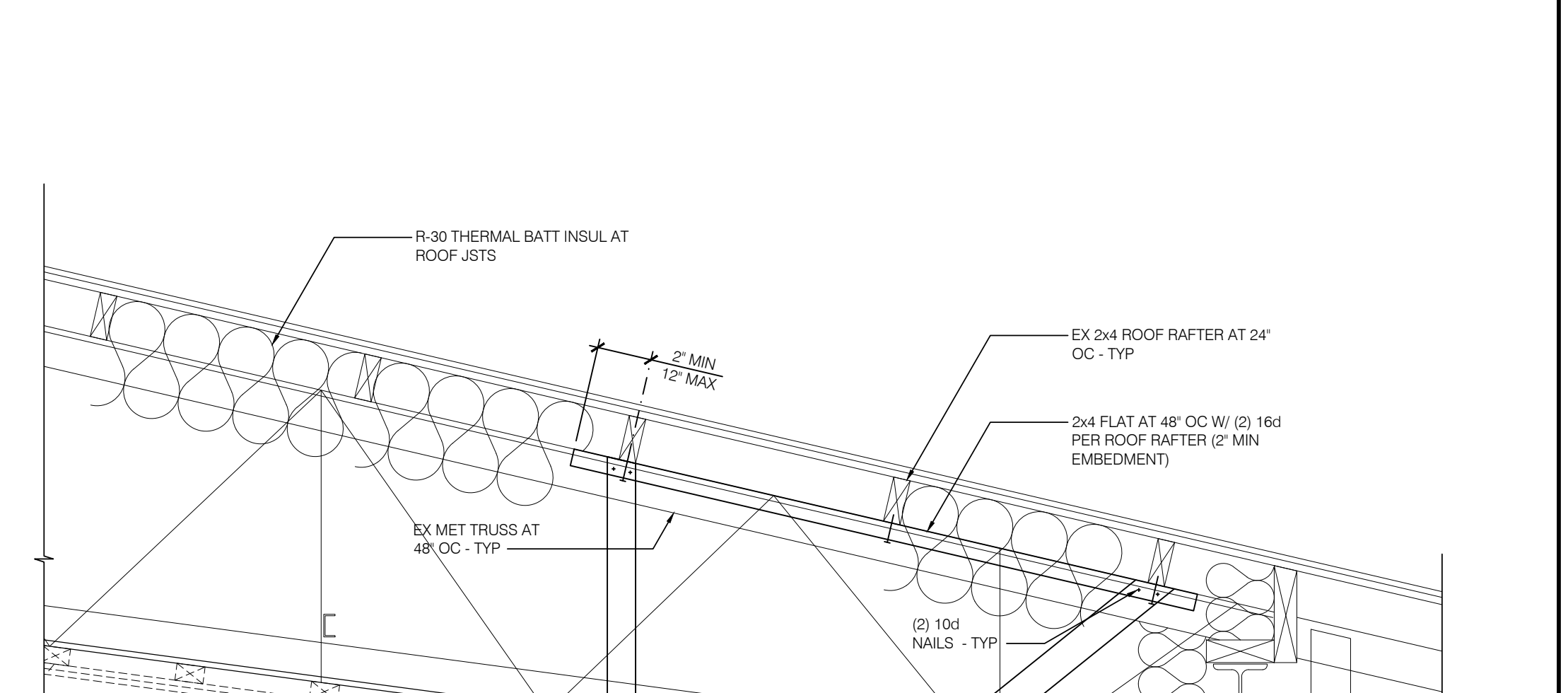
45) EMT STRUT : 1 1/2"



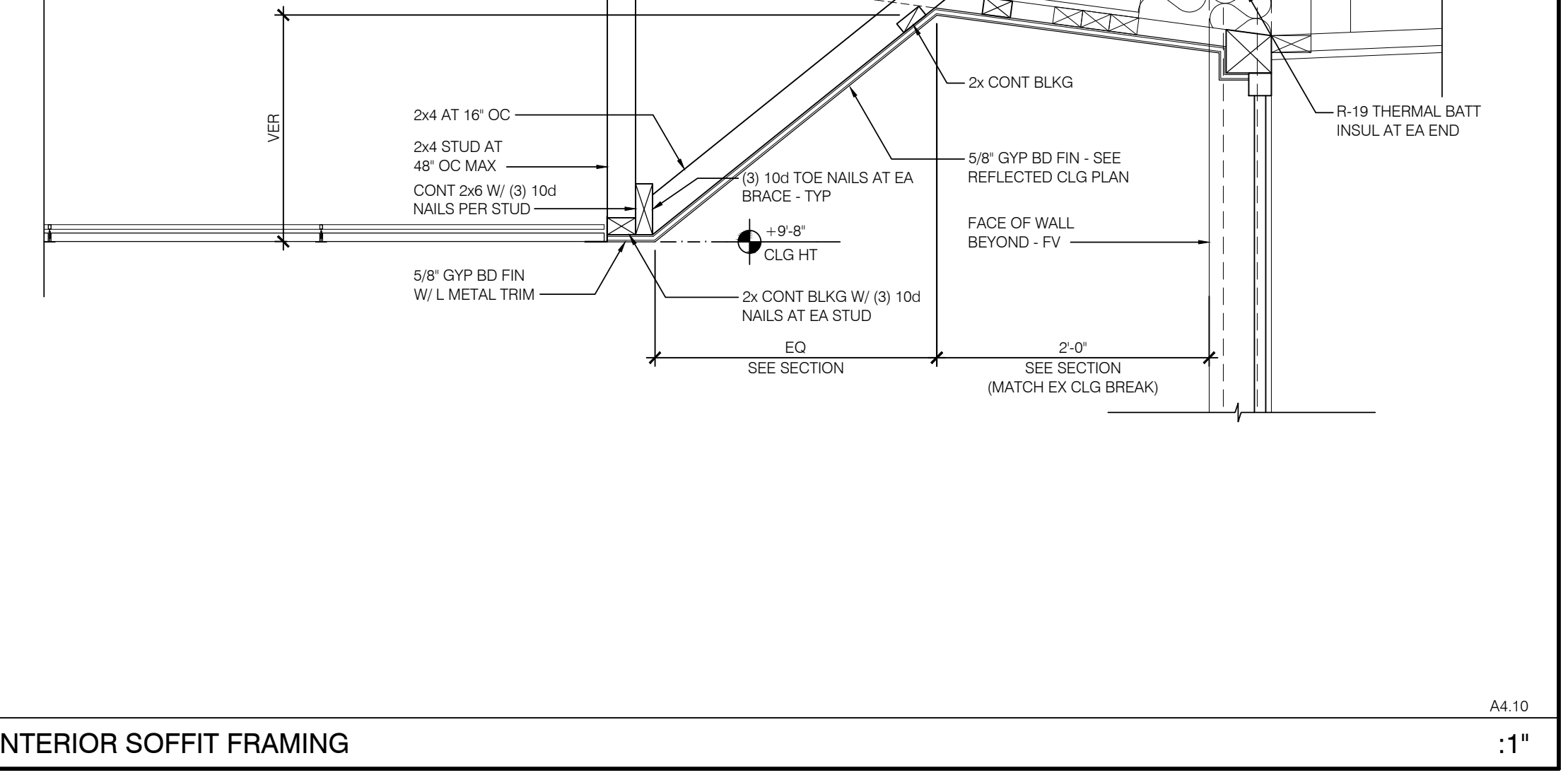
46) INTERIOR SOFFIT FRAMING : 1"



47) TYPICAL CABINET MOUNTING DETAIL - WOOD FRAMING : AS NOTED



48) TYPICAL LUMINAIRE/ AIR TERMINAL SUPPORT : 1 1/2"



49) EMT STRUT : 1 1/2"

IDENTIFICATION STAMP
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CAMPUS HVAC SYSTEM UPGRADE

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Elementary School**

607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT

JAMES PATRICK FOGARTY, AIA
ARCHITECT C-19670

CONSULTANT

PROJECT INFO

Project No	566-0918
Date	09.09.23
DSA File No	15.6
DSA No	03-122640

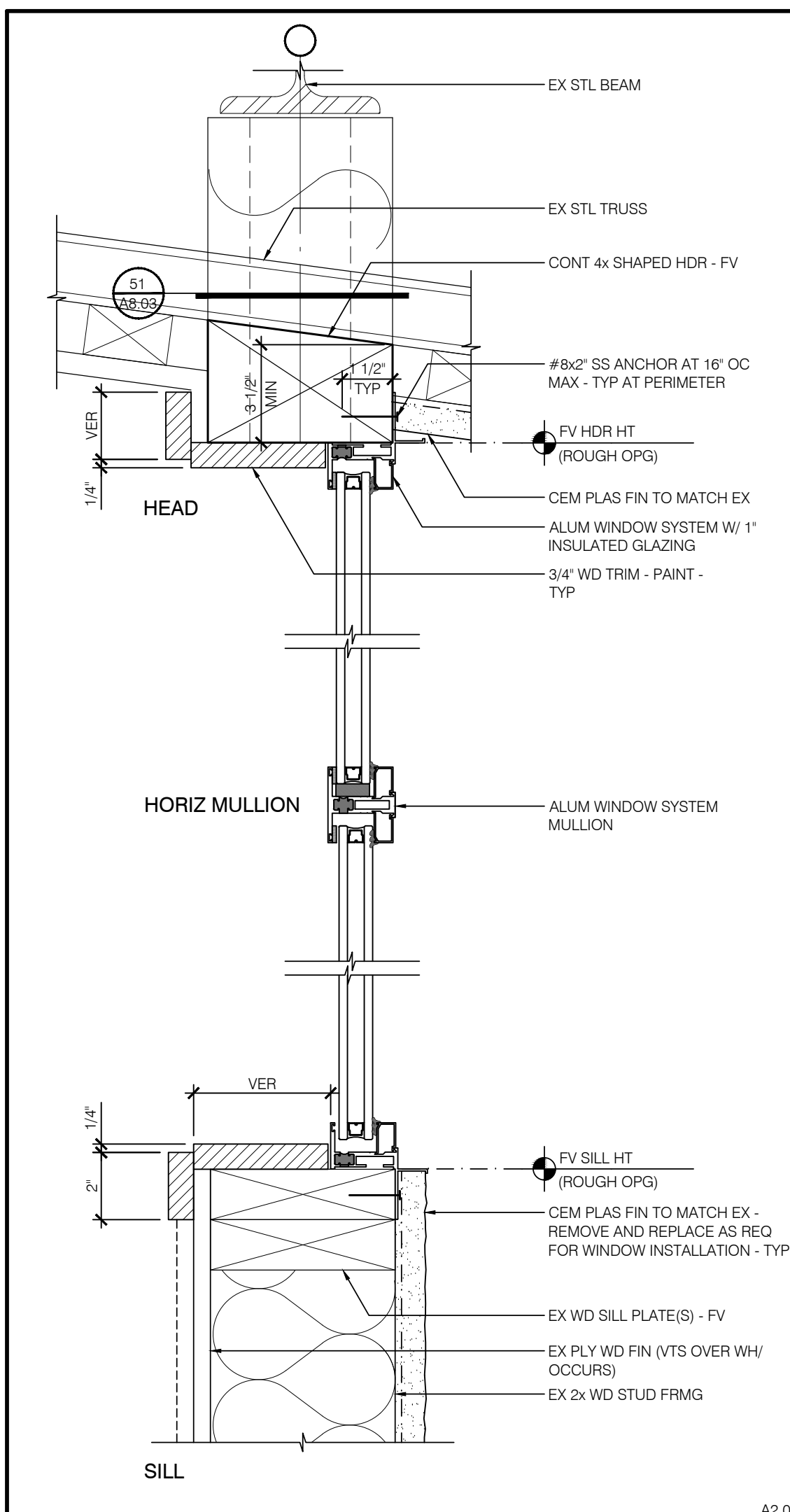
REVISIONS

No	Date	DESCRIPTION
1	00.00.08	

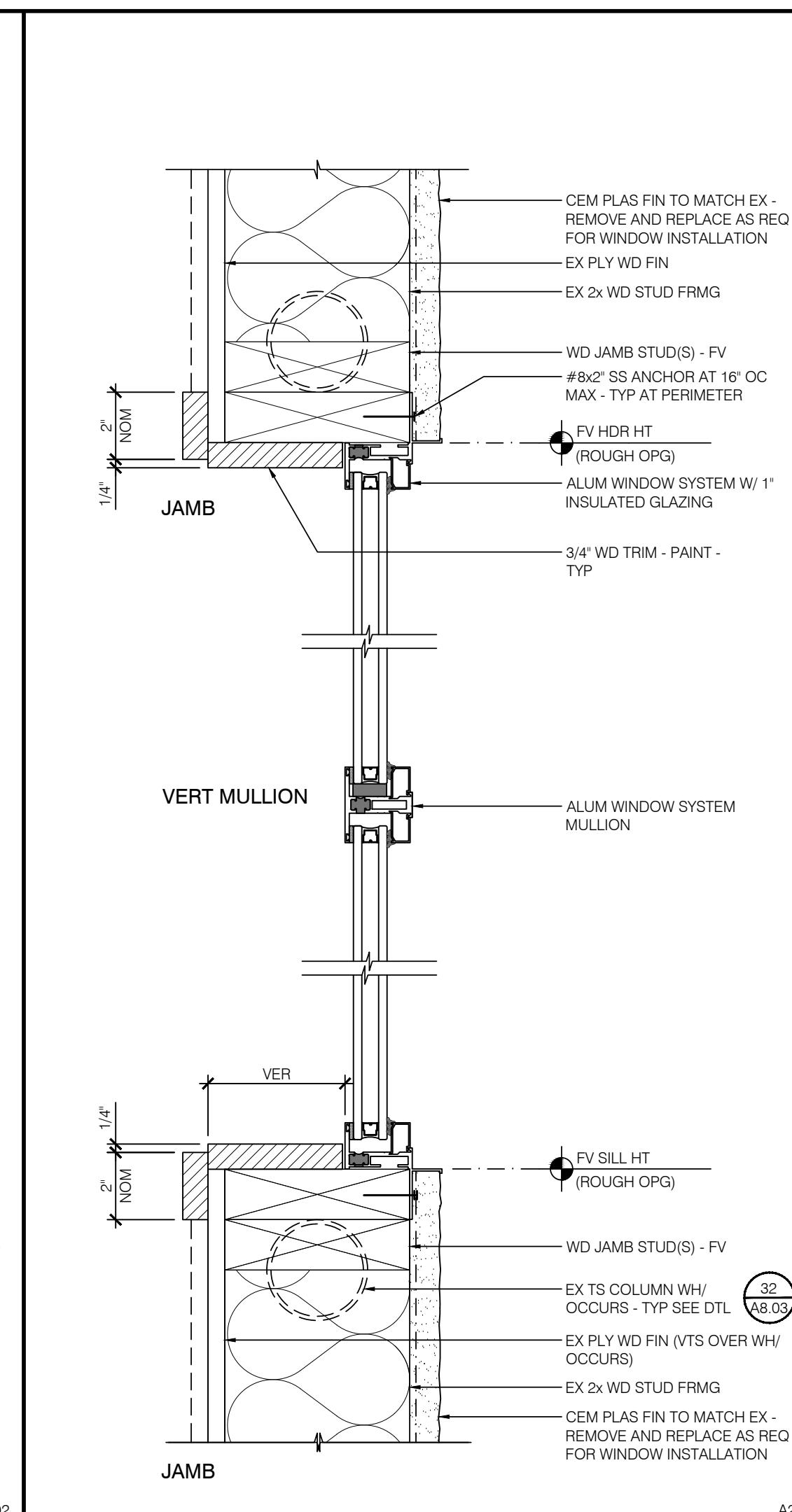
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DETAILS

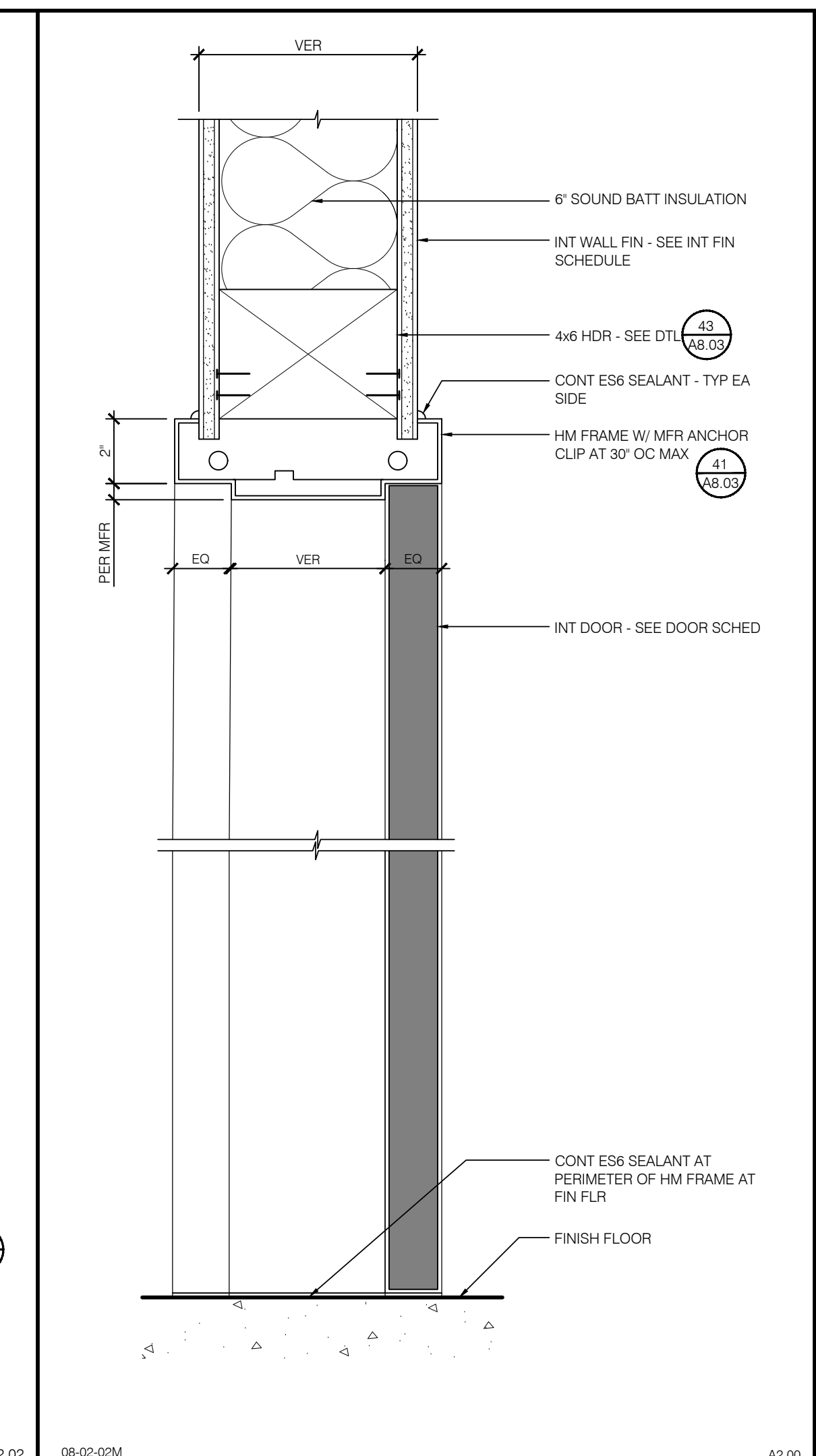
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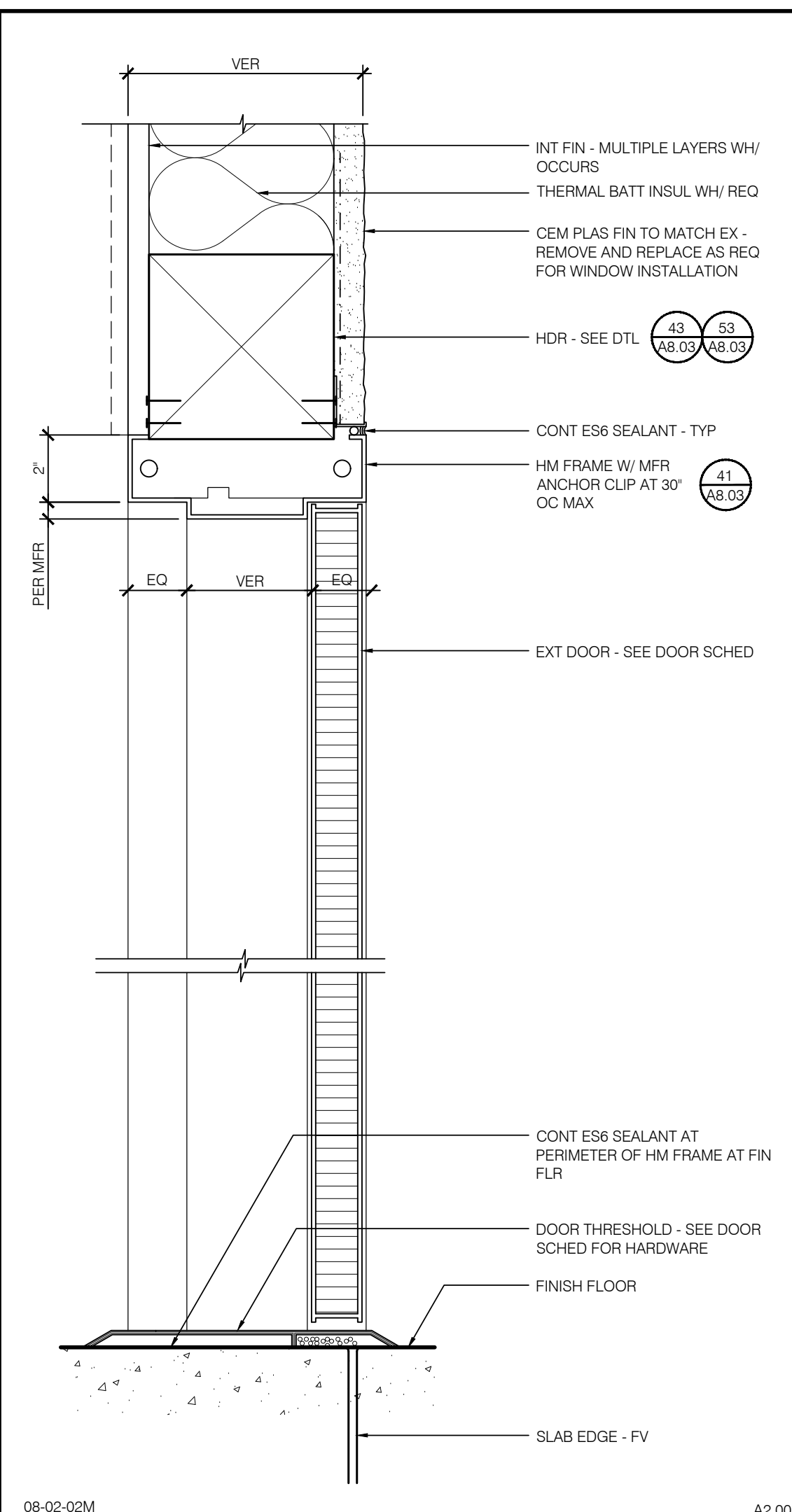
21) ALUM WINDOW SYSTEM : 3'



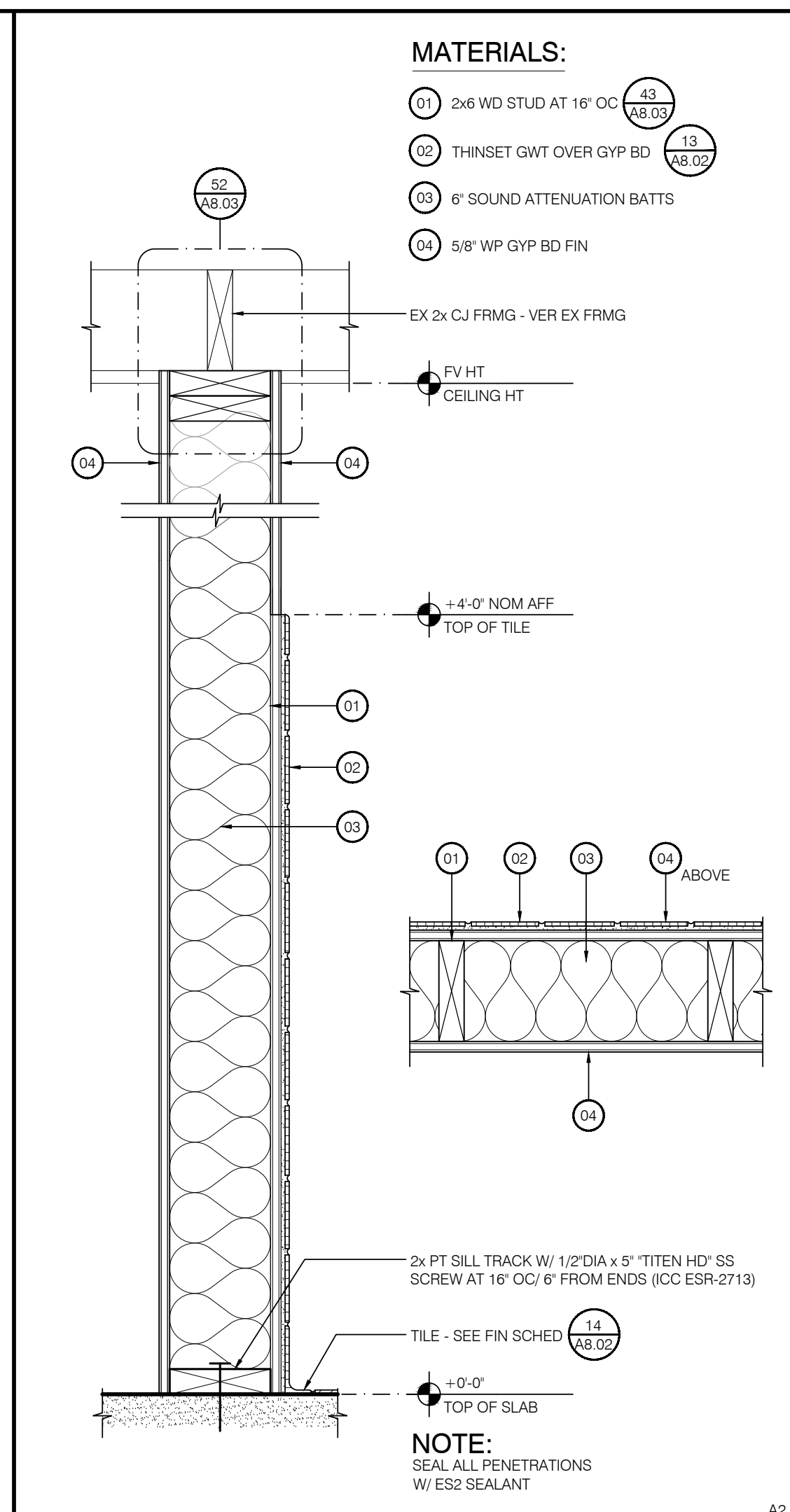
22) ALUM WINDOW SYSTEM : 3'



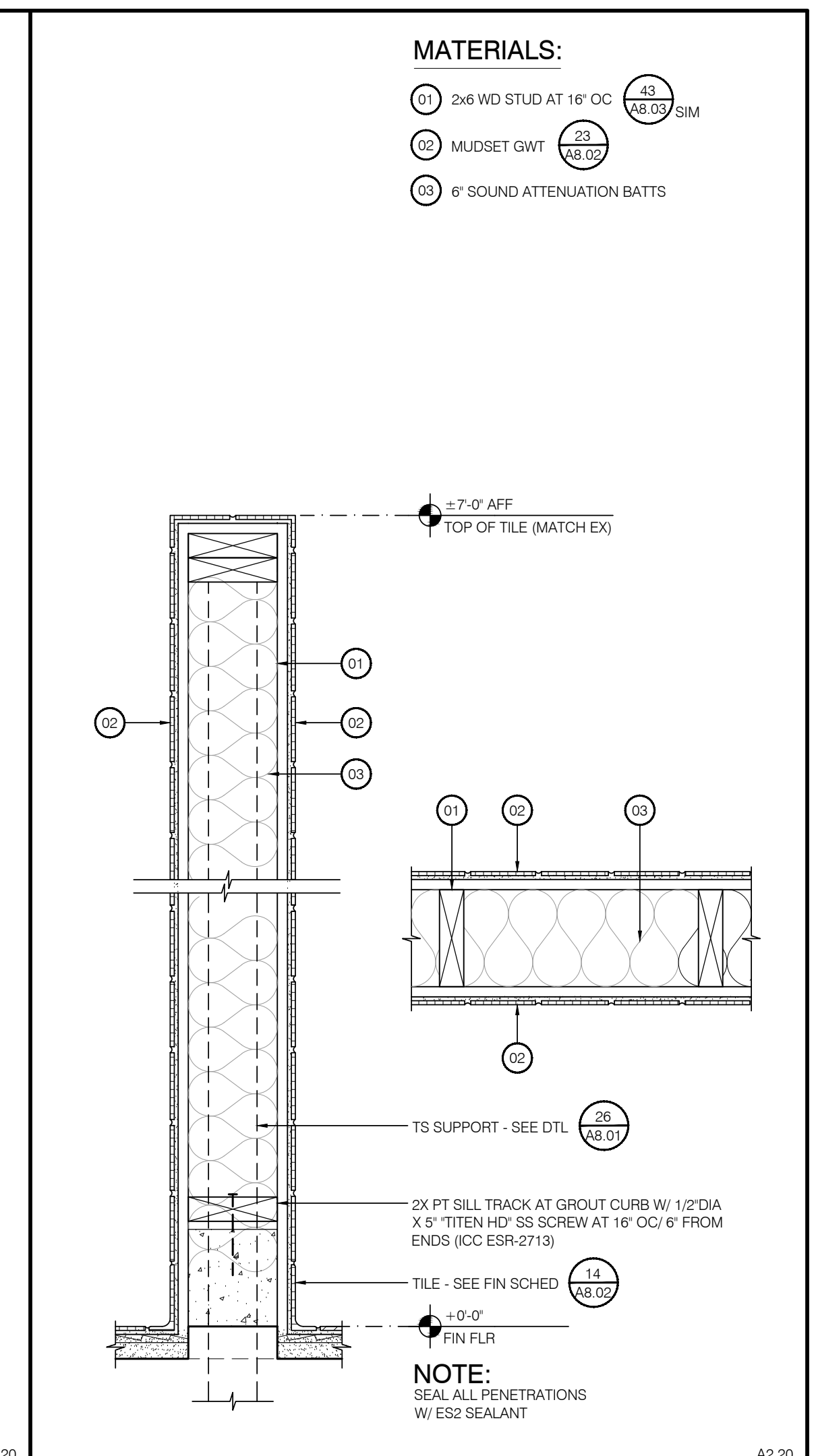
23) WD DOOR HEAD/SILL (INT WALL) : 3'



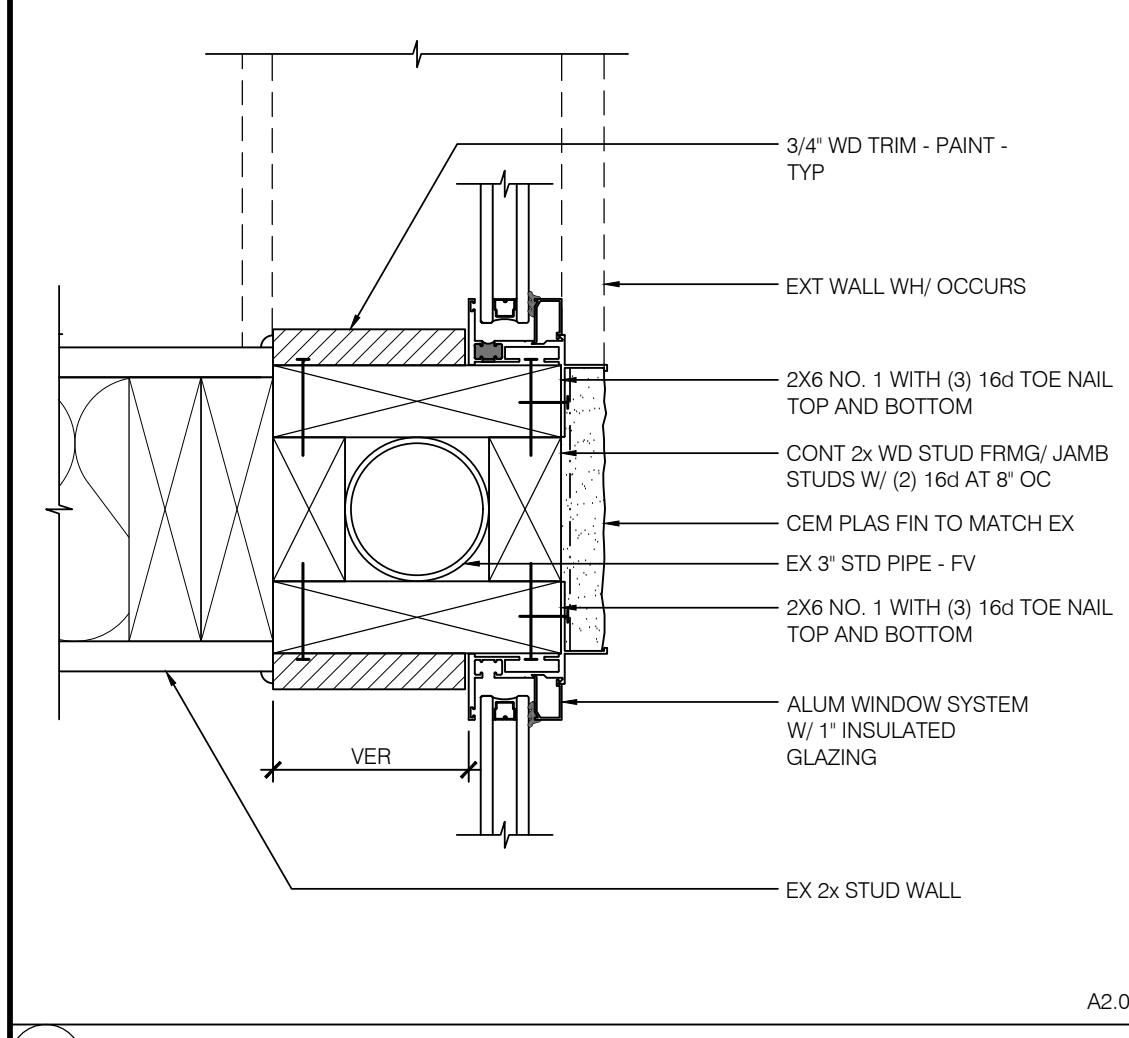
24) HM DOOR HEAD/SILL (EXT WALL) : 3'



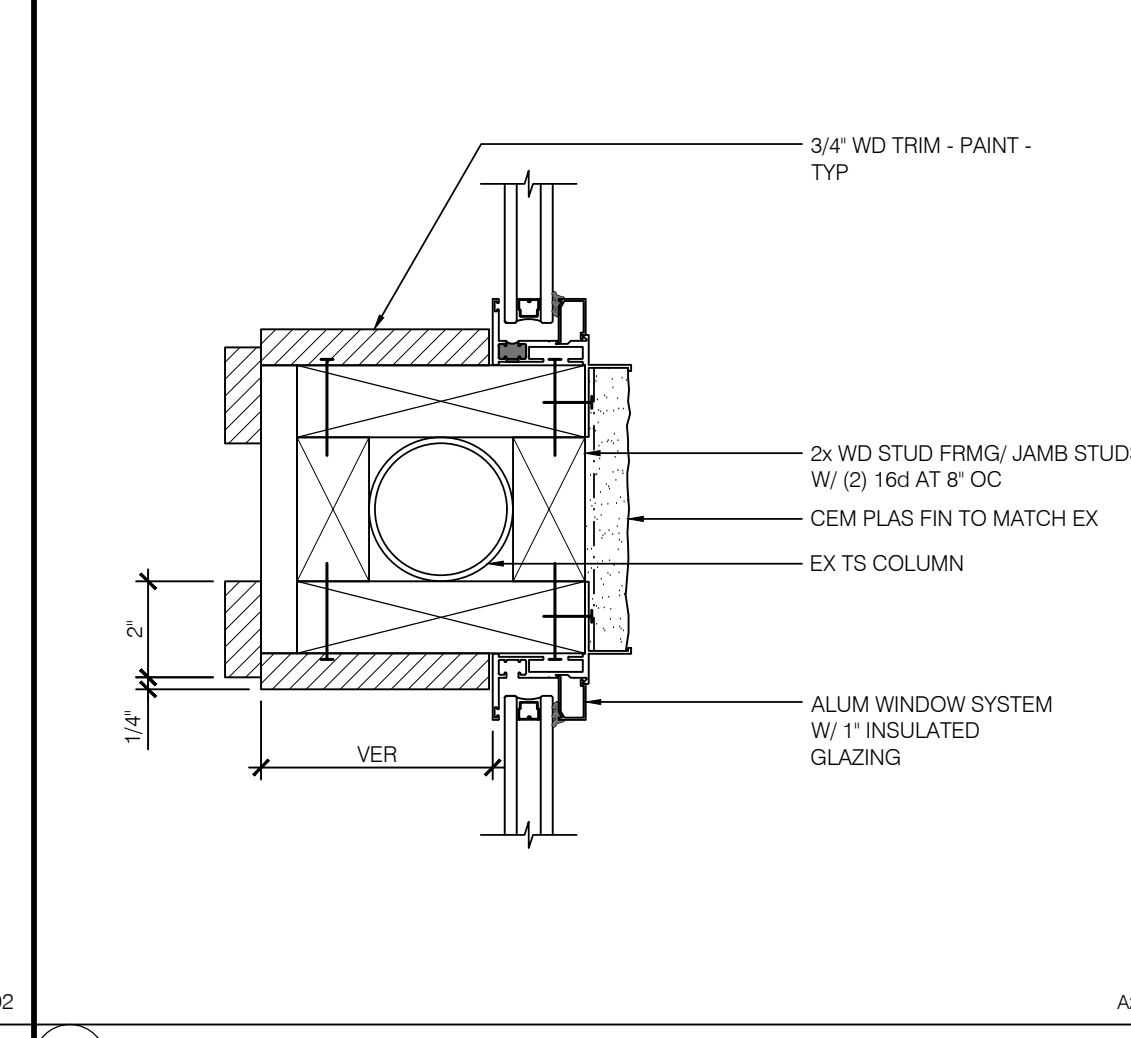
25) INTERIOR PARTITION : 1 1/2'



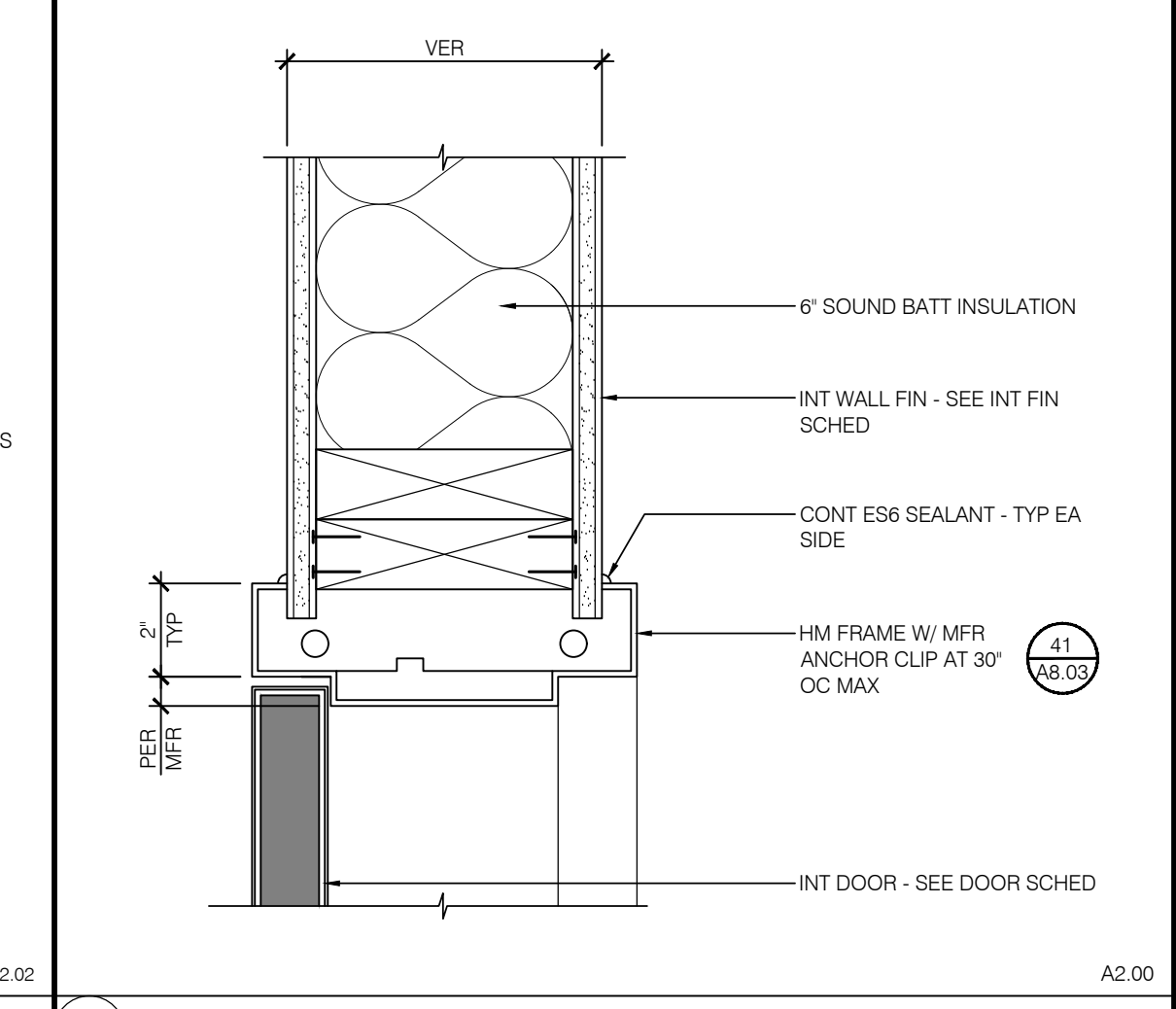
26) INTERIOR PARTITION (NON FULL HT WALL) : 1 1/2'



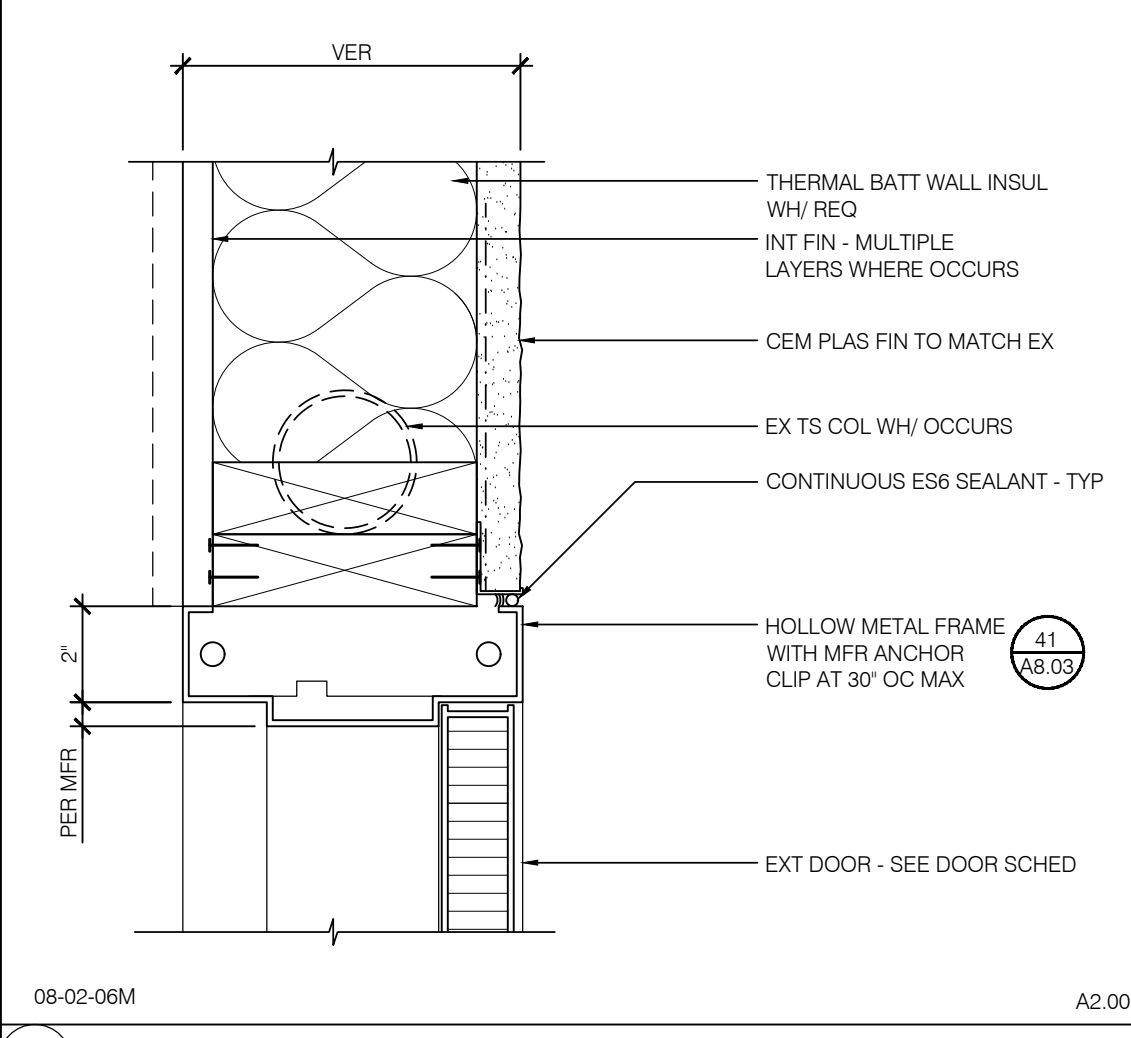
31) ALUM WINDOW SYSTEM AT EX WALL / COLUMN : 3'



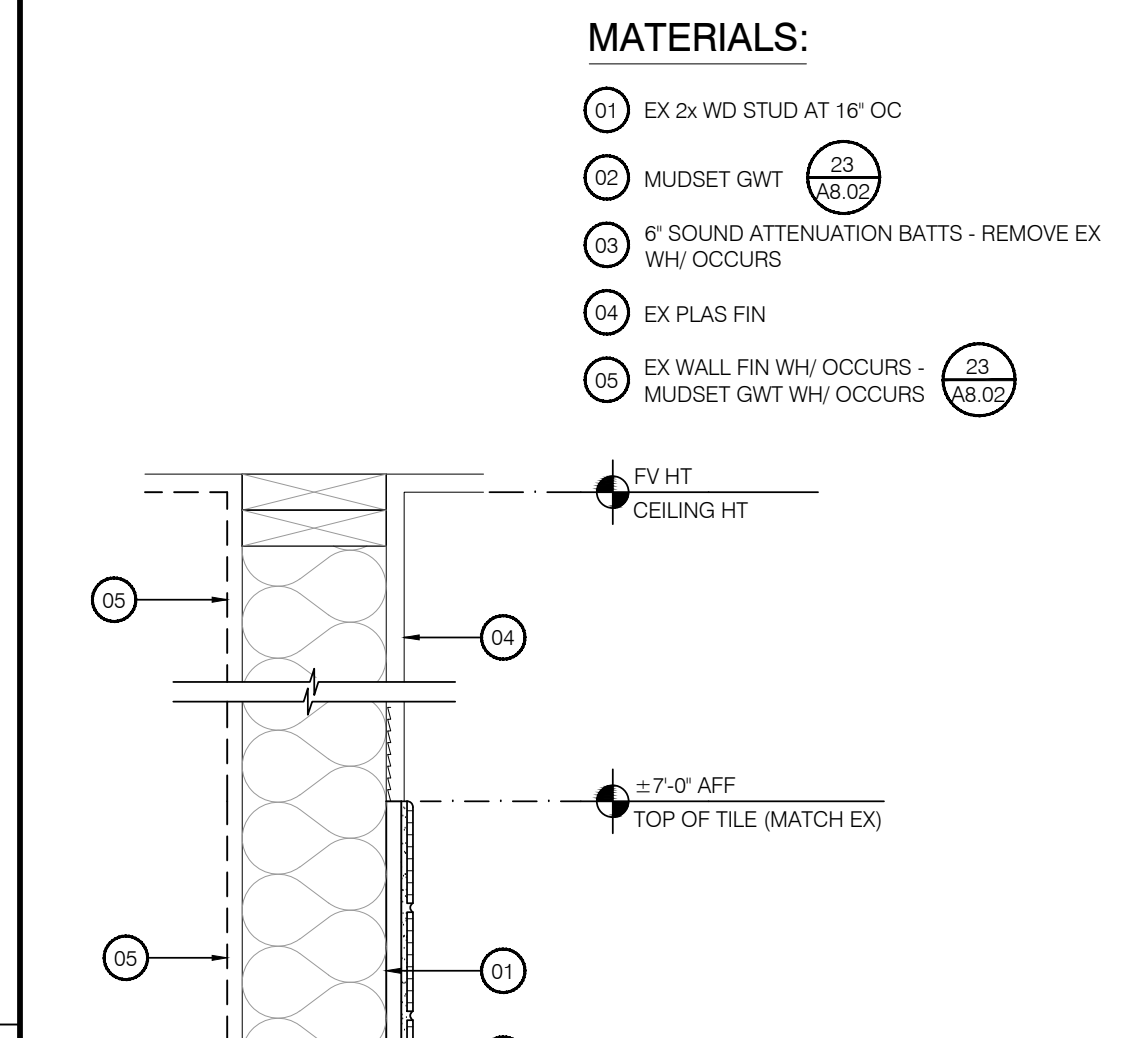
32) ALUM WINDOW SYSTEM AT EX COLUMN : 3'



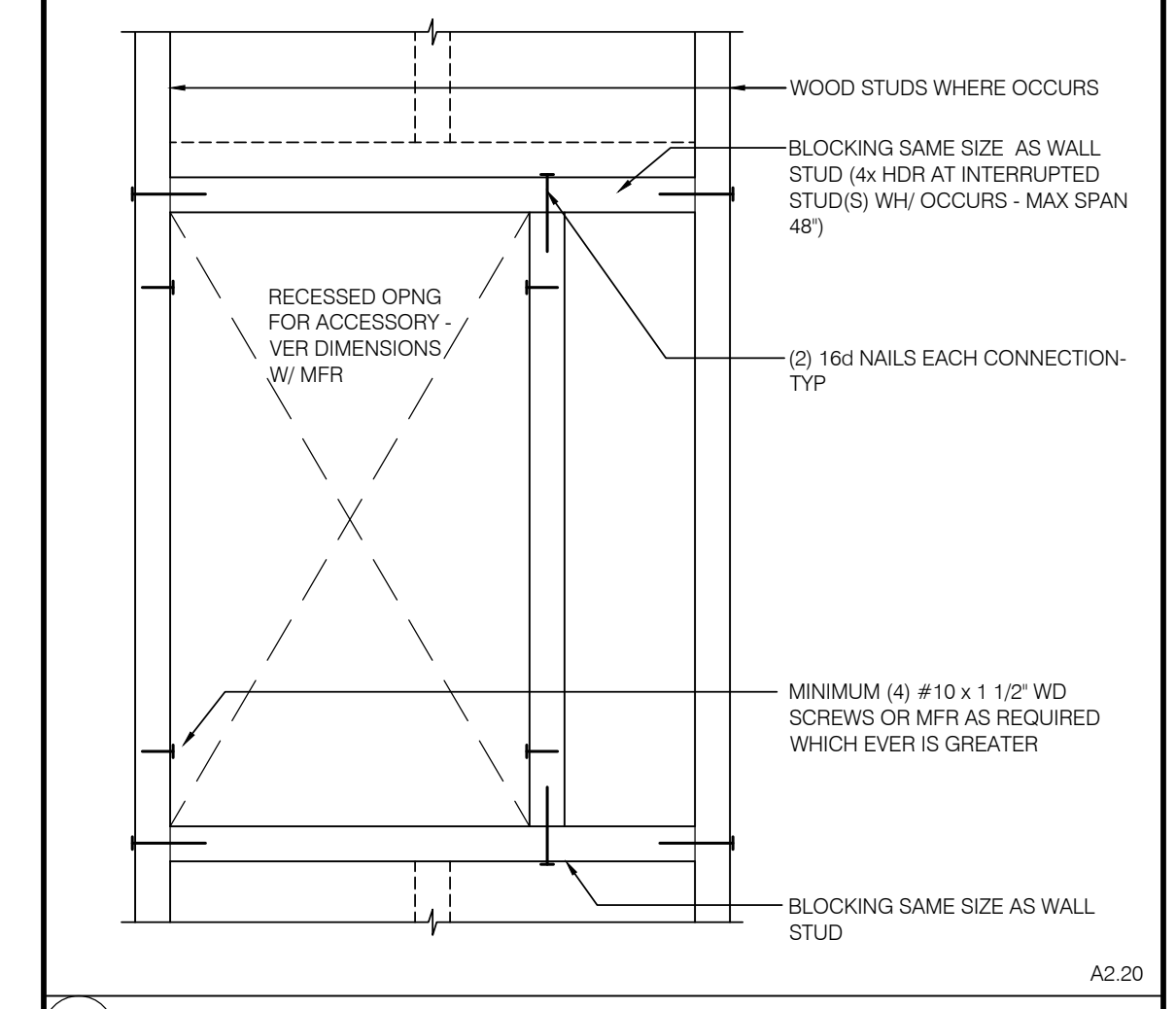
33) WD DOOR JAMB (INT WALL) : 3'



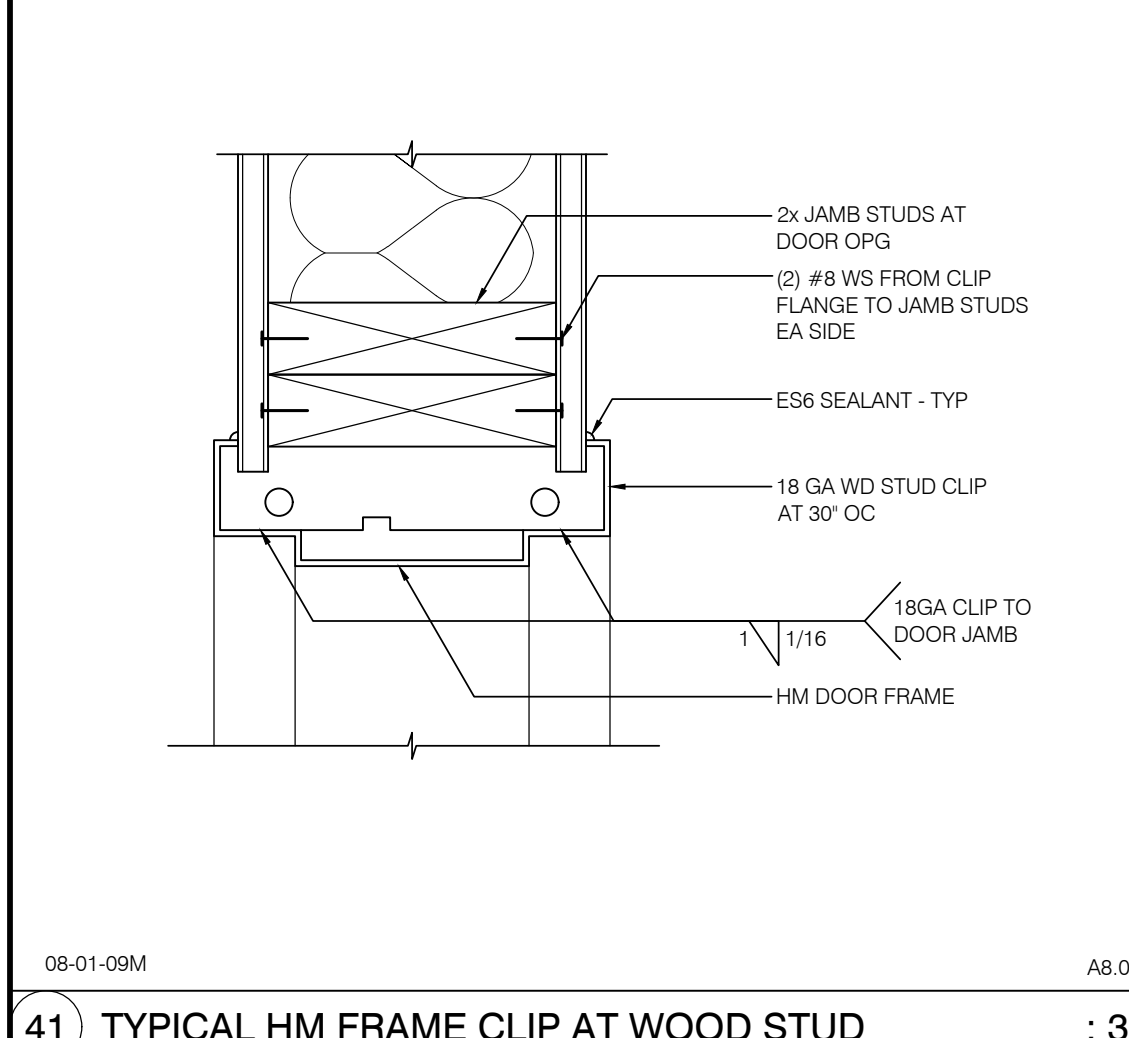
34) HM DOOR JAMB (EXT WALL) : 3'



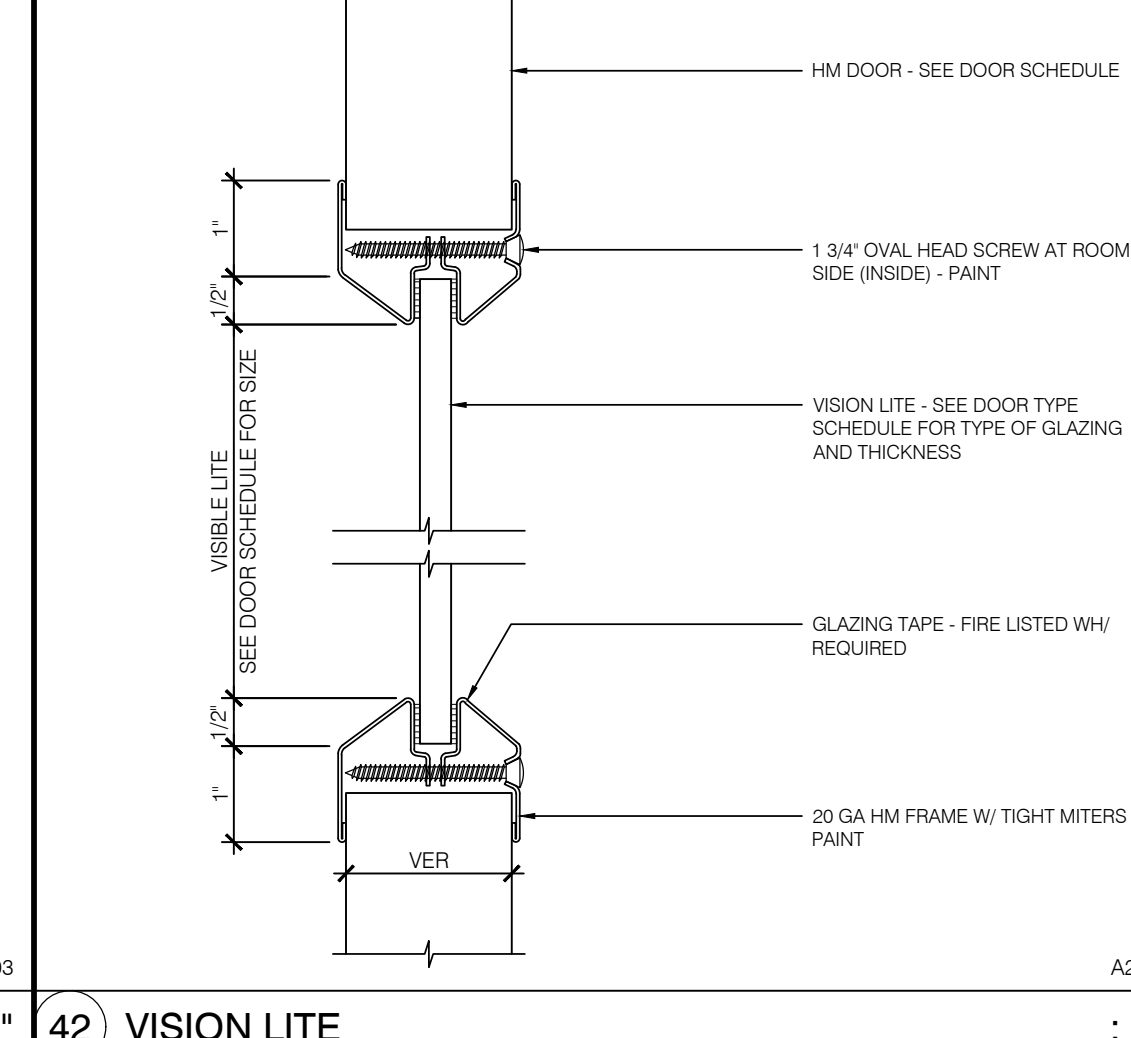
35) INTERIOR PARTITION : 1 1/2'



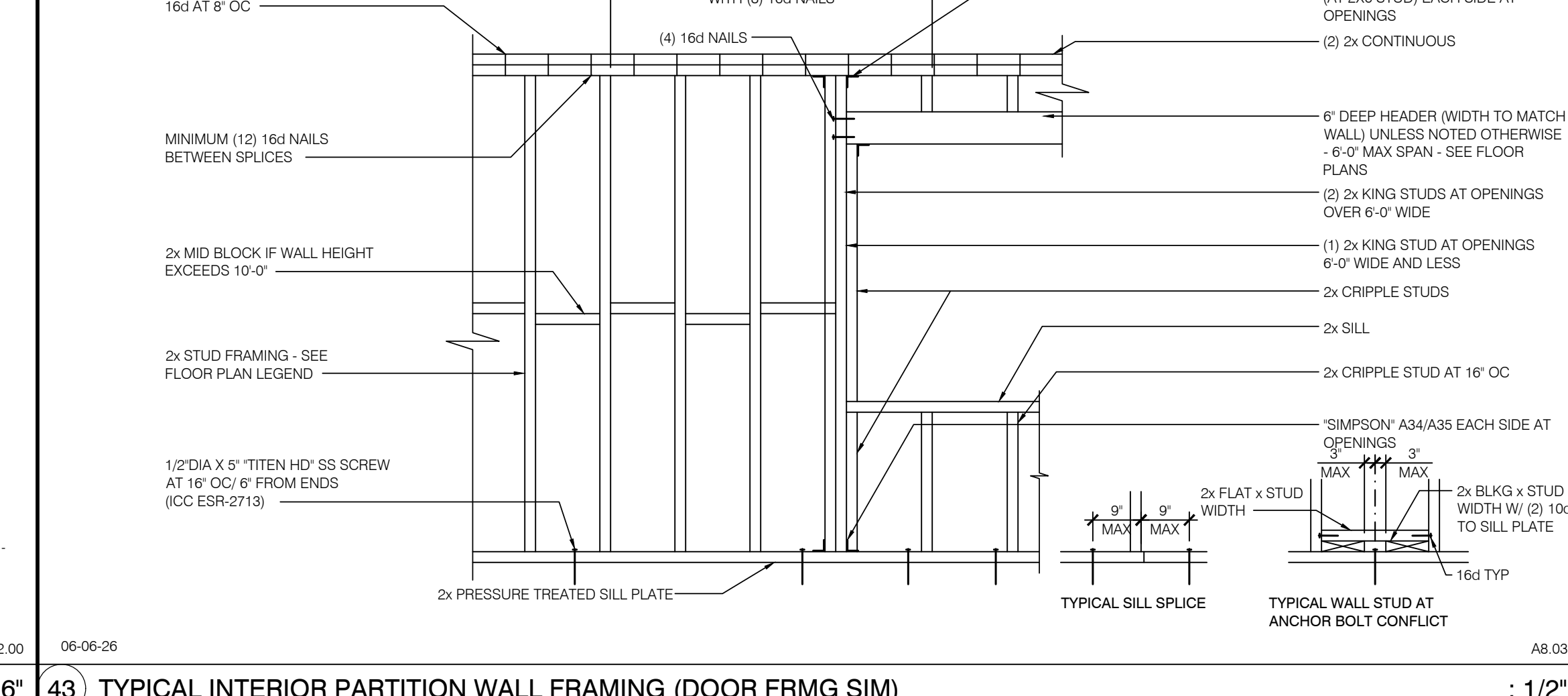
36) TYP RECESSED ACC BACKING - INTERIOR NON-BEARING WOOD STUD PARTITION : 1 1/2'



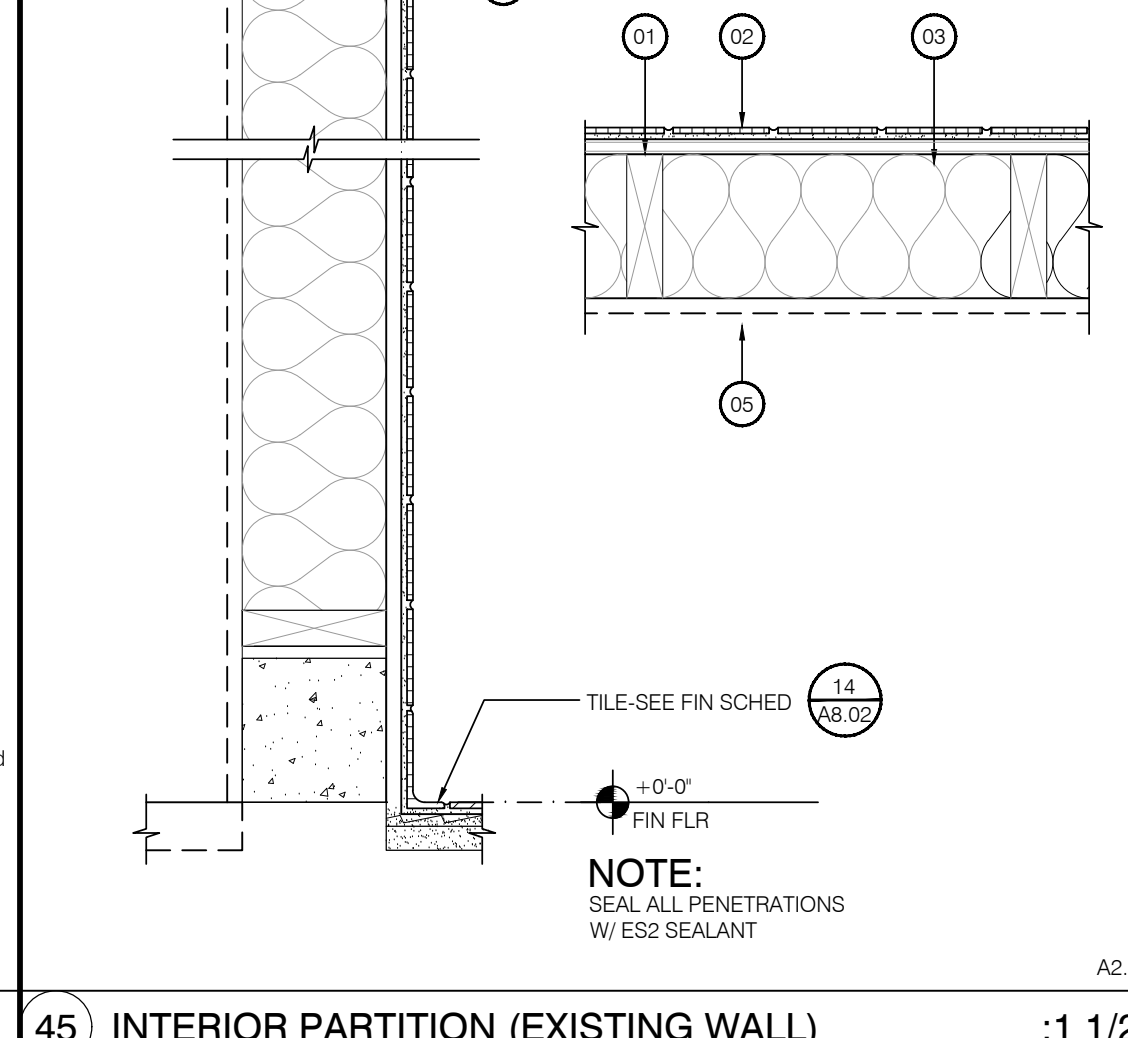
41) TYPICAL HM FRAME CLIP AT WOOD STUD : 3'



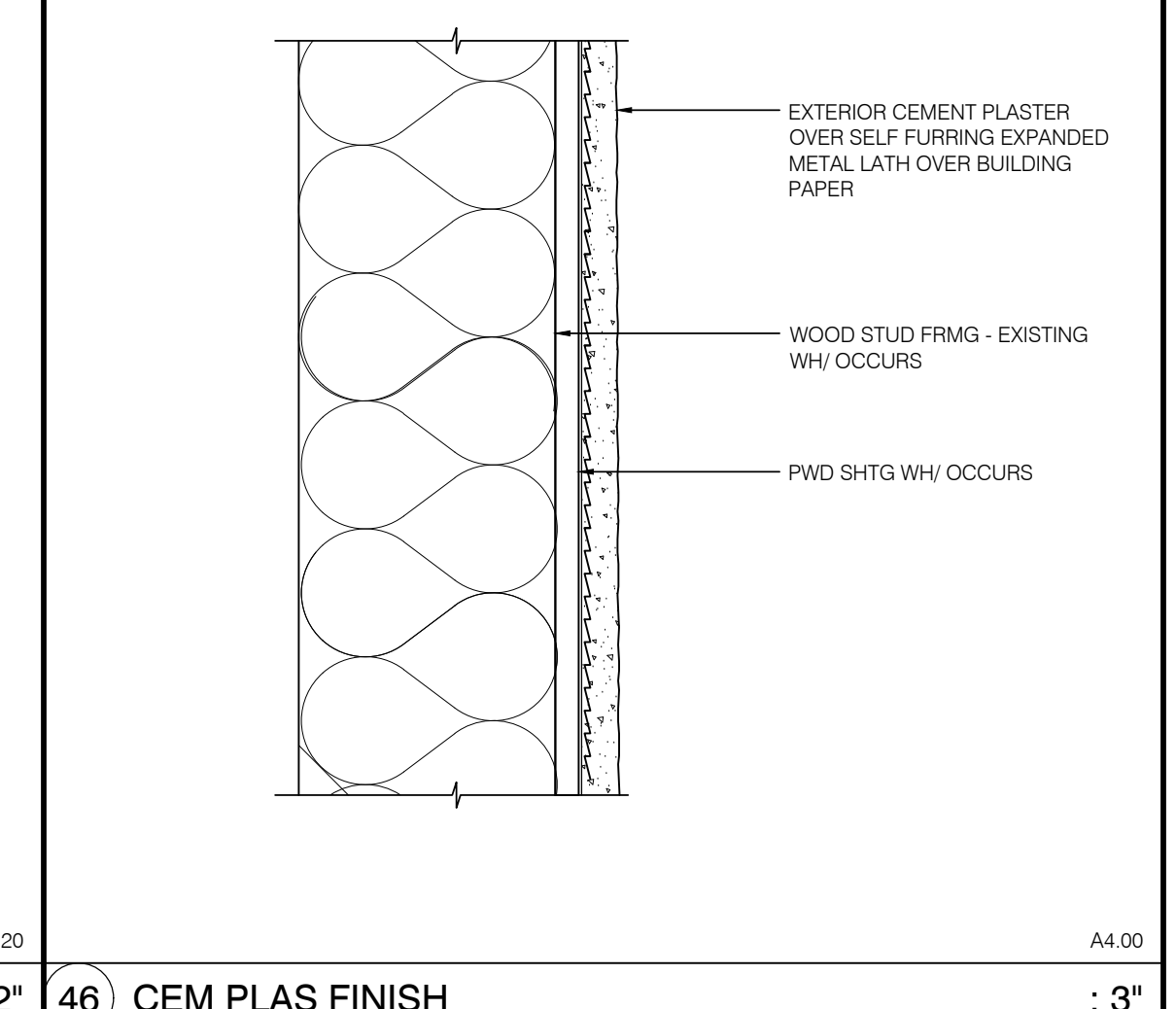
42) VISION LITE : 6'



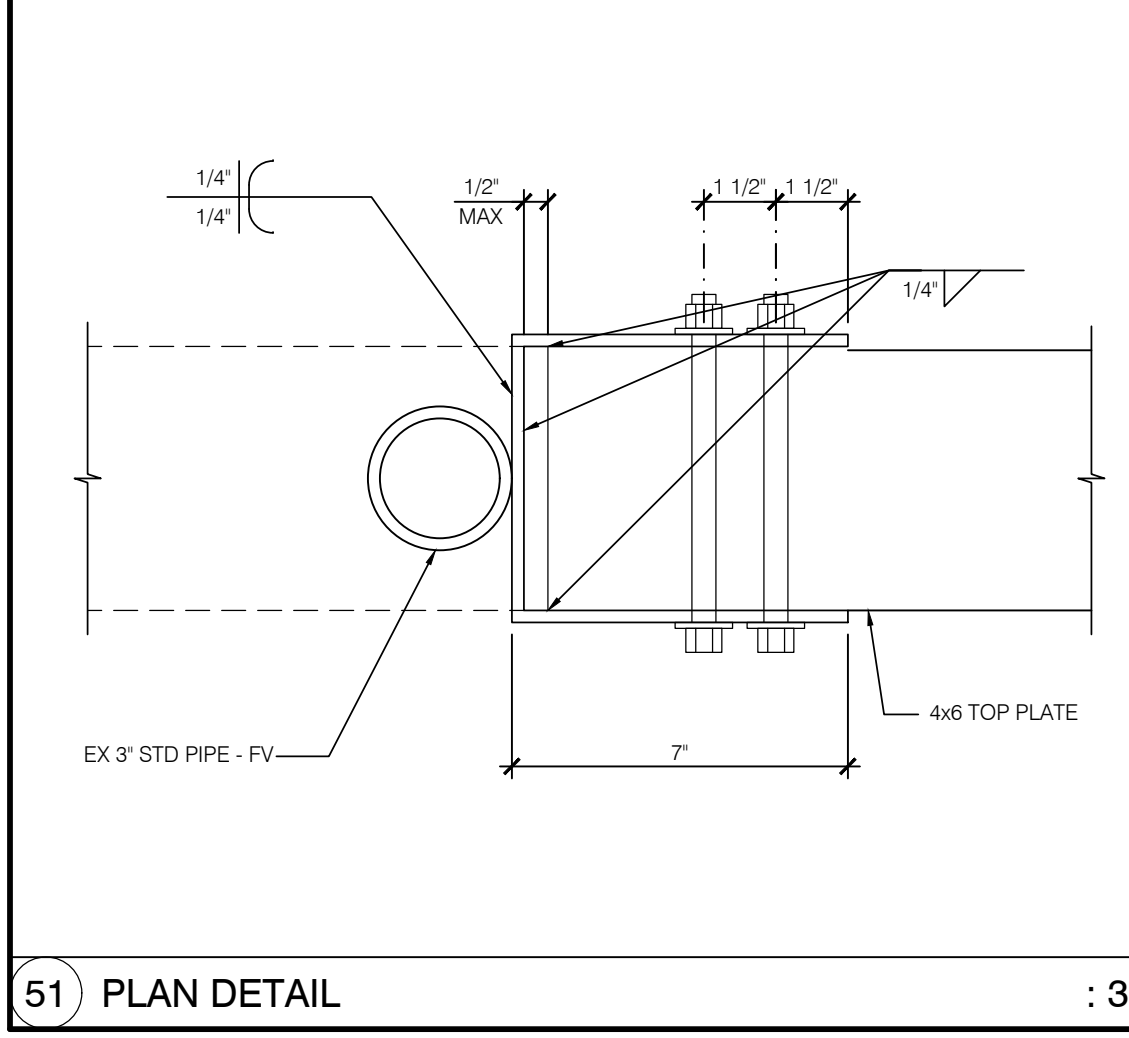
43) TYPICAL INTERIOR PARTITION WALL FRAMING (DOOR FRMG SIM) : 1/2'



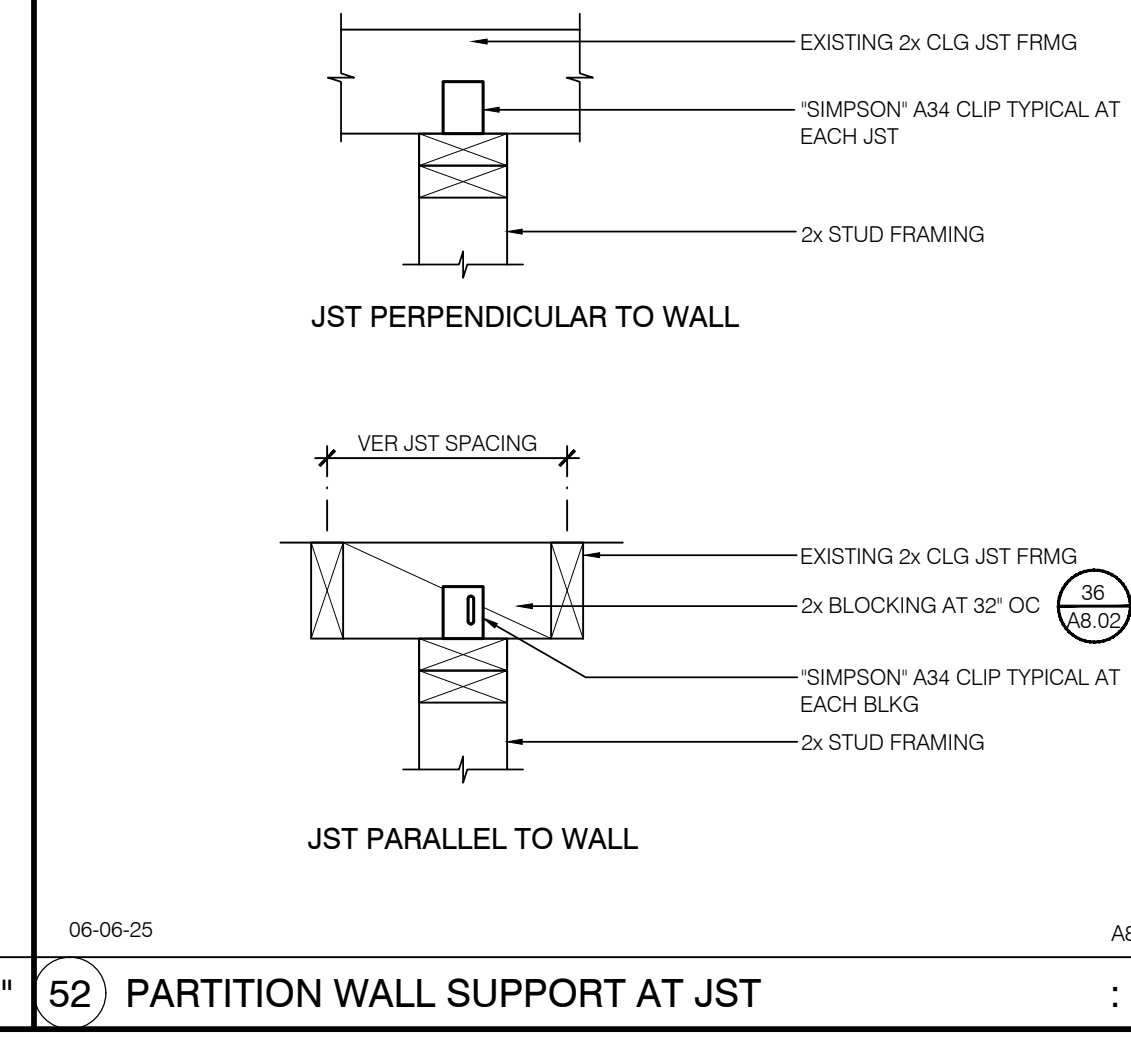
45) INTERIOR PARTITION (EXISTING WALL) : 1 1/2'



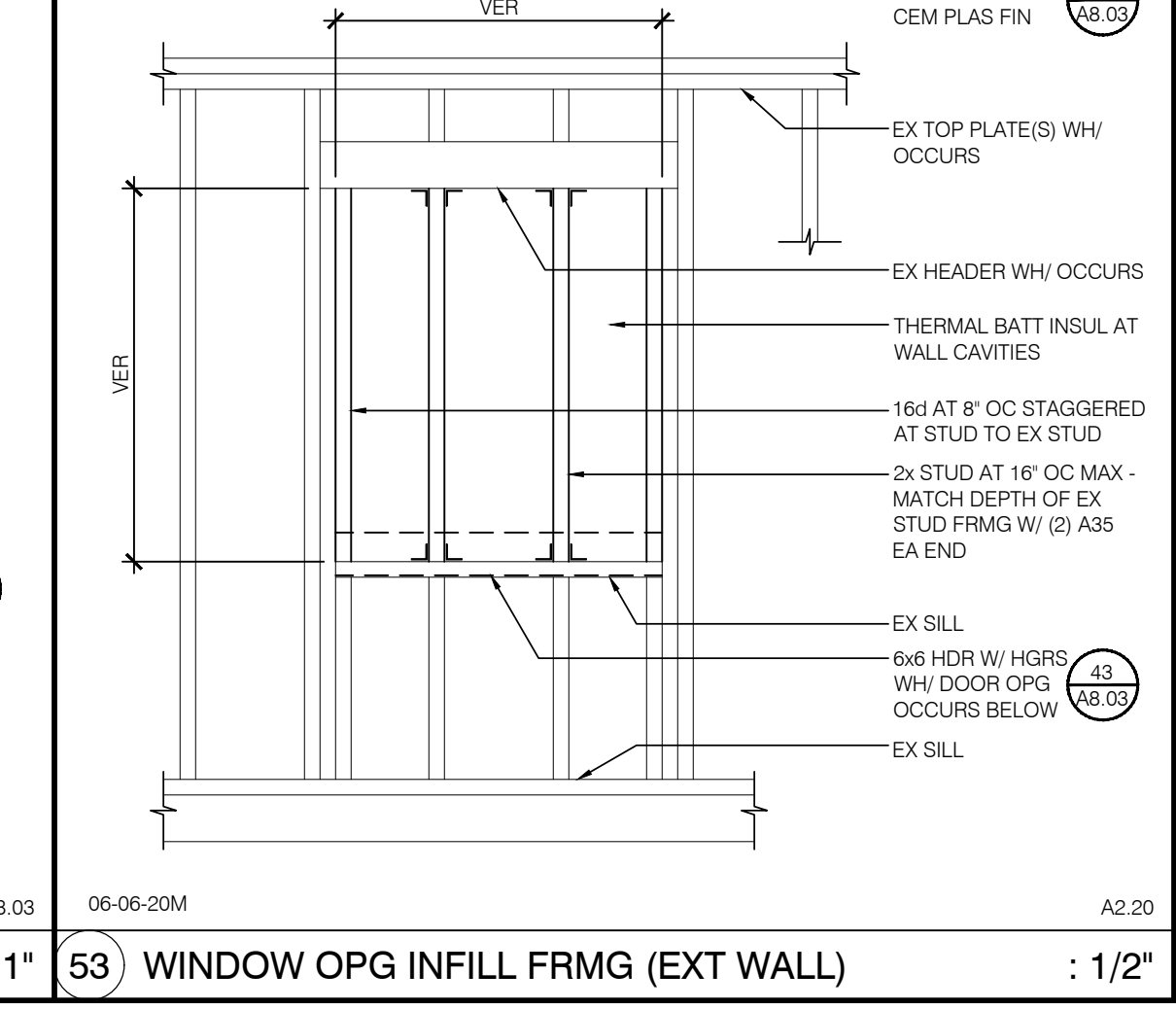
46) CEM PLAS FINISH : 3'



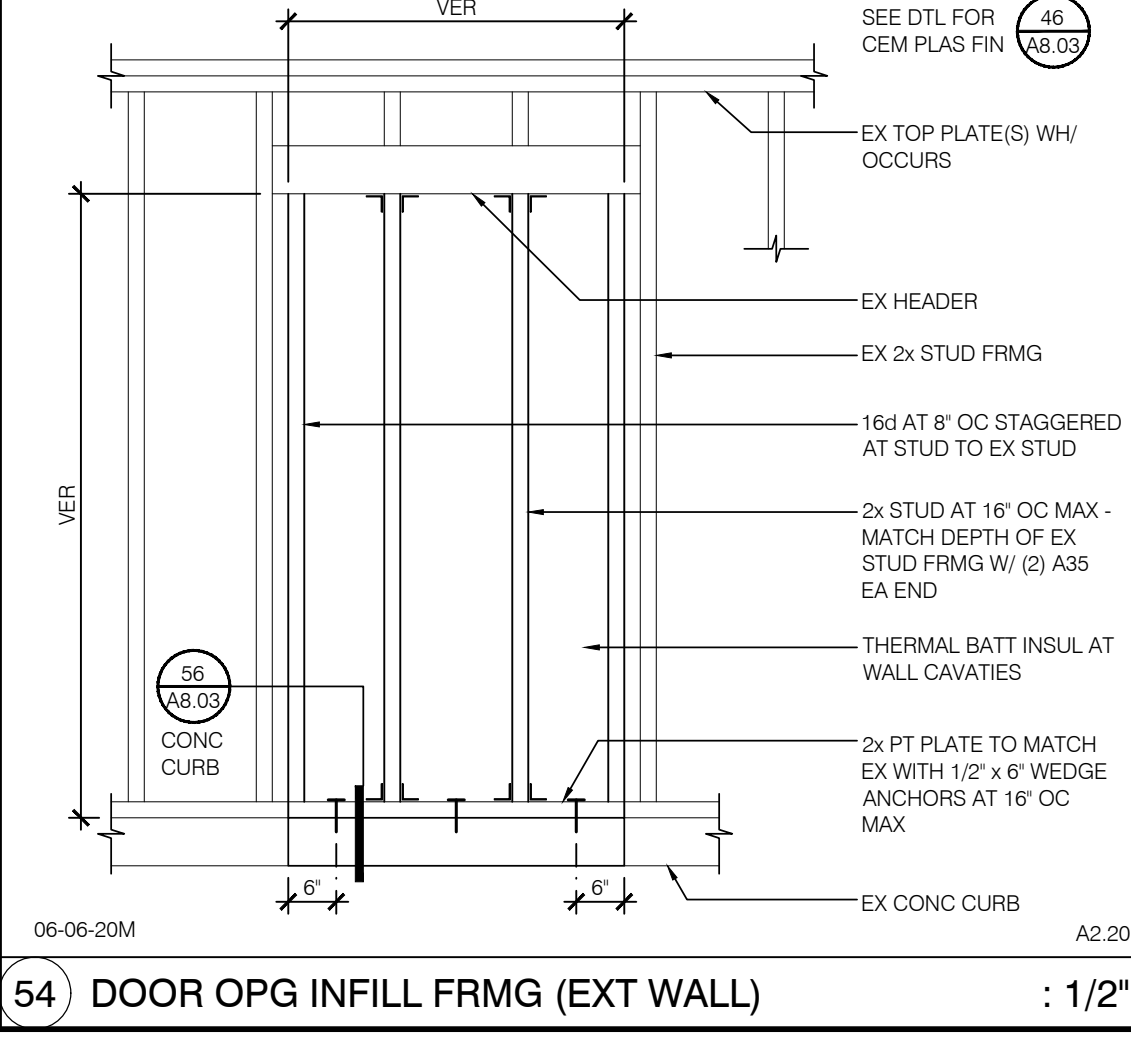
51) PLAN DETAIL : 3'



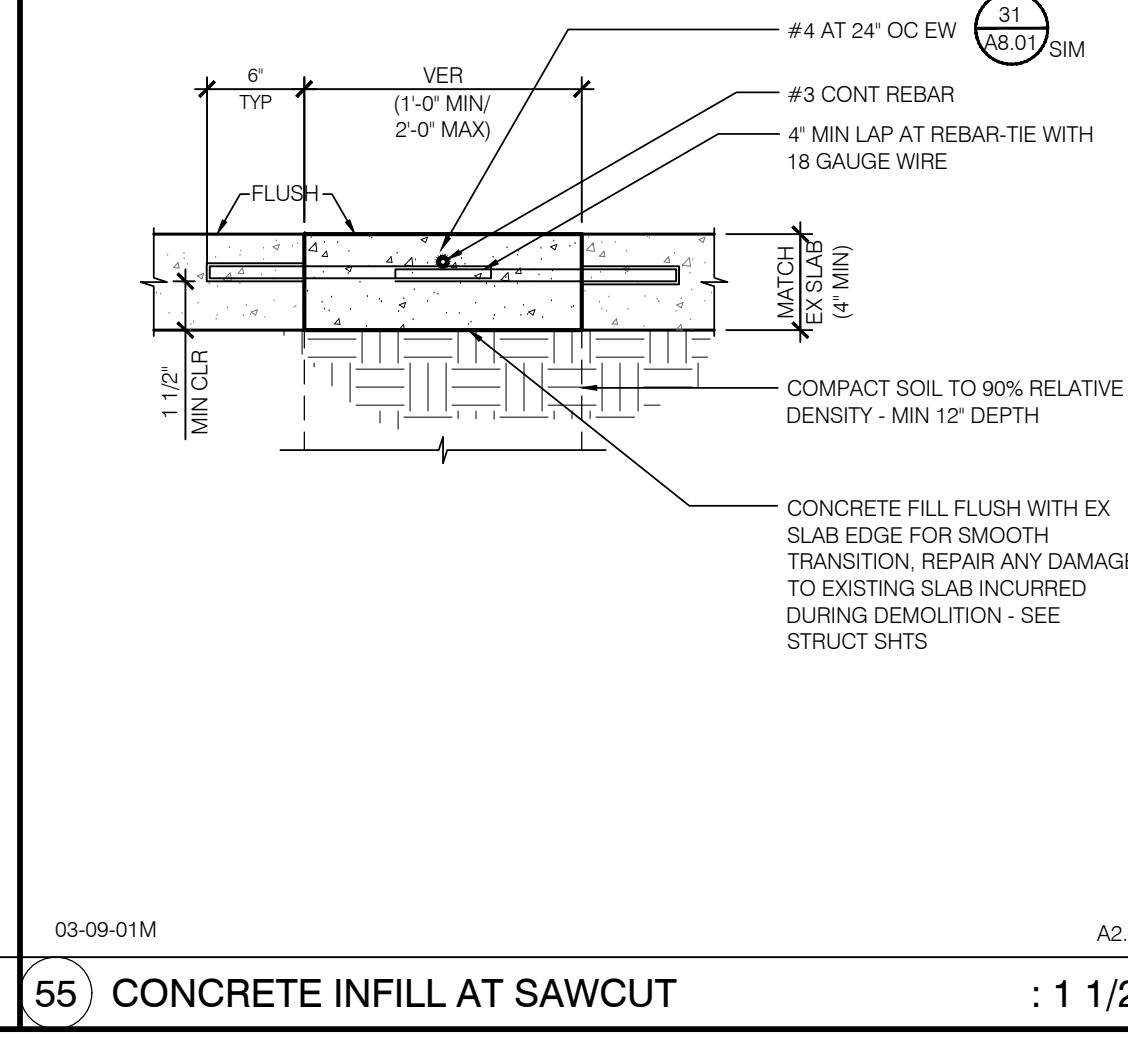
52) PARTITION WALL SUPPORT AT JST : 1'



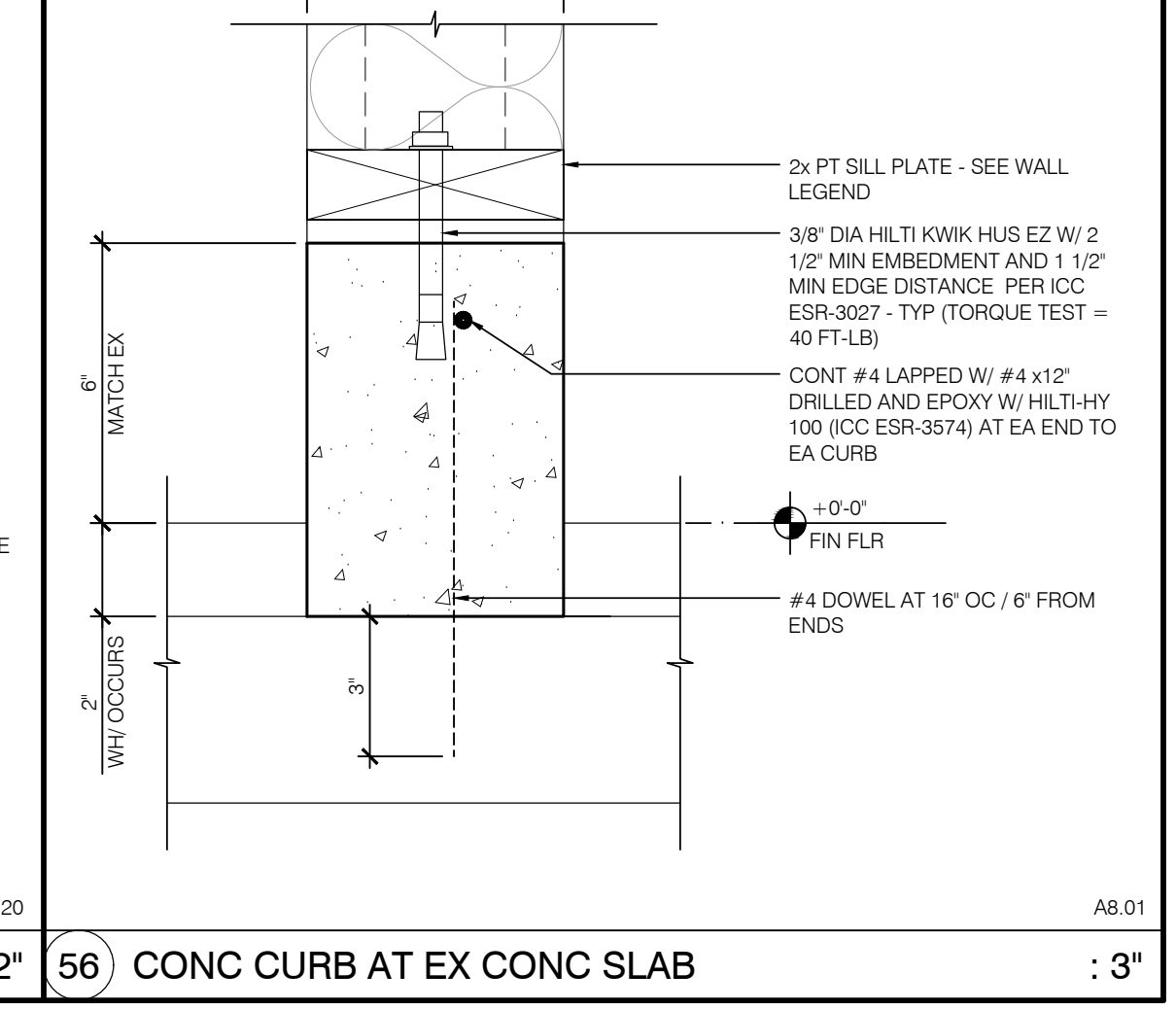
53) WINDOW OPG INFILL FRMG (EXT WALL) : 1/2'



54) DOOR OPG INFILL FRMG (EXT WALL) : 1/2'



55) CONCRETE INFILL AT SAWCUT : 1 1/2'



56) CONC CURB AT EX CONC SLAB : 3'

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REVISIONS

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A8.03

STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT	JST	JOIST
ABV	ABOVE	JT	JOINT
ADDL	ADDITIONAL		
ALT	ALTERNATE	KSI	KIP PER SQUARE INCH
ANCH	ANCHOR		
&	AND	LBS	POUNDS
ARCH	ARCHITECT(URAL)	LLBB	LONG LEG BACK-BACK
@	AT	LLH	LONG LEG HORIZONTAL
		LLV	LONG LEG VERTICAL
BF	BRACE FRAME	LONG	LONGITUDINAL
BLDG	BUILDING	LT WT	LIGHT WEIGHT
BLK	BLOCK	LVL	LAMINATED VENEER (LUMBER)
BLKG	BLOCKING	LVL	LEVEL (FLOOR)
BEL	BELOW		
BM	BEAM	MAX	MAXIMUM
BN	BOUNDARY NAILING	MB	MACHINE BOLT
B or BOT	BOTTOM	MECH	MECHANICAL
BRG	BEARING	MEZZ	MEZZANINE
BTWN	BETWEEN	MFR	MANUFACTURER
BU	BUILT-UP	MIN	MINIMUM
BUB	BACK-UP BAR	MISC	MISCELLANEOUS
		MTL	METAL
CAMB(C)	CAMBER(ED)	MS	MIDDLE STRIP
CB	CALIFORNIA BUILDING CODE		
CG	CENTER OF GRAVITY	(N)	NEW
CIP	CAST IN PLACE	NIC	NOT IN CONTRACT
CJ	CONSTRUCTION JOINT	NO (#)	NUMBER
	OR CONTROL JOINT	NS	NEAR SIDE
CJP	COMPLETE JOINT PENETRATION	NTS	NOT TO SCALE
CL(R)	CENTERLINE	NORM WT	NORMAL WEIGHT
CLG	CEILING		
CLR	CLEAR	OC	ON CENTER (NOT NECESSARY)
CMU	CONCRETE MASONRY UNIT	OD	OUTSIDE DIAMETER
COL	COLUMN	OH	OUTSIDE FACE
CONC	CONCRETE	OP	OPPOSITE HAND
CONN	CONNECTION	O-O	OUT TO OUT
CONT	CONTINUOUS	OPNG	OPENING
CS	COLUMN STRIP		
CRC	COLD ROLLED CHANNEL	PARA	PARALLEL
CTR	CENTER(ED)	P/C	PRECAST
CTRSK	COUNTERSINK	PERP	PERPENDICULAR
C-C	CENTER TO CENTER	PJP	PARTIAL JOINT PENETRATION
		PL (JP)	PLATE
d	PENNEY(NAILS)	PLY	PLYWOOD
DBL	DOUBLE	PSF	POUNDS PER SQUARE FOOT
DET	DETAIL	PSI	POUNDS PER SQUARE INCH
DF	DOT GLAS FIR	PT	PRESSURE TREATED
DIA(Q)	DIAMETER	P/T	POSTTENSIONED(PRESTRESSED)
DIAG	DIAGONAL		
DIM	DIMENSION	RAD (R)	RADIUS
DN	DOWN	REF	REFERENCE
DO	DITTO (REPEAT)	REQD	REQUIRED
DP	DEEP	REINF	REINFORCEMENT(ING)
DWG	DRAWING	RJ	ROOF JOIST
DWL	DOWELS		
		SC	SLIP CRITICAL
EA	EACH	SEP	SEPARATION
EBF	ECCENTRIC BRACE FRAME	SCHED	SCHEDULE
EF	EACH FACE	SFRS	SEISMIC FORCE RESISTING SYSTEM
EJ	EXPANSION JOINT	SIM	SIMILAR
ELEC	ELECTRICAL	SIMP	SIMPSON
ELEV	ELEVATION/ELEVATOR	SHT	SHEET
EMBED	EMBEDMENT	SHTG	SHEATHING
EN	EDGE NAILING	SLBB	SHORT LEB BACH-BACK
EQ	EQUAL	SLV	SHORT LEB VERTICAL
EQUIP	EQUIPMENT	SMS	SHEET METAL SCREWS
ES	SIDE EACH	SOG	SLAB ON GRADE
EW	EACH WAY	SPECS	SPECIFICATIONS
EXIST(E)	EXISTING	SP	SPACE (S)
EXP	EXPANSION	SQ	SQUARE
EXT	EXTERIOR	SSC	SINGLE SHEAR CONNECTION
		STAGG	STAGGER(ED)
FIN	FINISH(ED)	SS	STAINLESS STEEL
FLR	FLOOR	STD	STANDARD
FDN	FOUNDATION	STIFF	STIFFENER
FLG	FLANGE	STL	STEEL
FN	FIELD NAILING	STRUC	STRUCTURAL
FOB	FACE OF BLOCK OR BRICK	SYMM	SYMMETRICAL
FOC	FACE OF CONCRETE		
FO PLY	FACE OF PLYWOOD	T & B	TOP AND BOTTOM
FOS	FACE OF STUDS	T & G	TONGUE AND GROOVE
FMG	FRAMING	TEMP	TEMPORARY
FS	FACE SIDE	THK	THICKNESS
FT	FOOT	THRD	THREADED
FTG	FOOTING	THRU	THROUGH
		TP	TOP OF PARAPET
GA	GAGE	T PLY	TOP OF PLYWOOD
GALV	GALVANIZED	TRANS	TRANSVERSE
GB	GRADE BEAM	TOC	TOP OF CONCRETE
GL	GRID LINE	TOS	TOP OF STEEL
GLB	GLUE-LAMINATED BEAM	TSG	TAPERED STEEL GIRDER
		TOW	TOP OF WALL
HCA	HEADED CONCRETE ANCHOR	TYP	TYPICAL
HD	HOLD DOWN		
HDR	HEADER	UNO	UNLESS NOTED OTHERWISE
HGR	HANGER		
HORIZ	HORIZONTAL	VERT	VERTICAL
HSB	HIGH STRENGTH BOLT	VIF	VERIFY IN FIELD
HS	HIGH STRENGTH		
HT	HEIGHT	W/	WITH
		WBS	WELDED BEAM SEAT
IBC	INTERNATIONAL BUILDING CODE	WD	WOOD
ID	INSIDE DIAMETER	WP	WORK POINT
IF	INSIDE FACE	WPJ	WEAKENED PLANE JOINT
IN	INCH	WS	WELDED STUDS
INFO	INFORMATION	WT	WEIGHT
INT	INTERIOR	WWF	WELDED WIRE FABRIC

CONCRETE

- ALL CONCRETE IS REINFORCED AND CAST-IN-PLACE UNLESS OTHERWISE NOTED.
- ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318, WITH MODIFICATIONS AS NOTED IN THE CONTRACT DOCUMENTS.
- CONCRETE MIXING OPERATION, ETC., SHALL CONFORM TO C-94.
- PLACEMENT OF CONCRETE SHALL CONFORM TO ACI 304 AND CONTRACT DOCUMENTS.
- ALL STRUCTURAL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:

LOCATION	STRENGTH	TYPE OF CONCRETE
SLAB ON GRADE	3000 PSI	NORMAL WEIGHT
- PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE I OR TYPE II, LOW ALKALI.
- CONCRETE MIXES SHALL BE DESIGNED BY AN APPROVED LABORATORY. THE DESIGN SHALL BE STAMPED BY A CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA AND SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL. ADMIXTURES CONTAINING CALCIUM CHLORIDE ARE NOT ALLOWED.
- NORMAL WEIGHT CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-33. LIGHT WEIGHT CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-330. DRY WEIGHT OF LIGHTWEIGHT CONCRETE NOT TO EXCEED 115 PCF.
- NON-SHRINK CEMENT GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 6000 PSI. USE "SIKA GROUT 212" OR "MASTERFLOW 928".
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT PLACED IN CAST-IN-PLACE CONCRETE:

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
B. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER: #5 BAR, W31 OR D31 WIRE, AND SMALLER	1 1/2"
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALLS AND JOISTS: #11 BAR AND SMALLER	1"
- CURING COMPOUNDS USED ON CONCRETE TO RECEIVE A FINISH SHALL BE APPROVED BY THE FINISH APPLICATOR BEFORE USE.

REINFORCING STEEL

- ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE' (ACI 318), AND THE 'MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION' BY THE C.R.S.I. AND THE W.C.R.S.I., OR AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.
- REINFORCING BARS SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE.

CLASSIFICATION	TYPE
REINFORCING STEEL IN GRAVITY BEAMS, GRAVITY COLUMNS, STIRRUPS, TIES, FOUNDATIONS, PILECAPS, AND GRADE BEAMS (UNO):	ASTM A615, 60 KSI
- DRAWINGS SHOW TYPICAL REINFORCING CONDITIONS. CONTRACTOR SHALL PREPARE DETAILED PLACEMENT DRAWINGS OF ALL CONDITIONS SHOWING QUANTITY, SPACING, SIZE, CLEARANCES, LAPS, INTERSECTIONS AND COVERAGE REQUIRED BY STRUCTURAL DETAILS, APPLICABLE CODE AND TRADE STANDARDS. CONTRACTOR SHALL NOTIFY REINFORCING DEPUTY INSPECTOR OF ANY ADJUSTMENTS FROM TYPICAL CONDITIONS THAT ARE PROPOSED IN PLACEMENT DRAWINGS TO FACILITATE FIELD PLACEMENT OF REINFORCING STEEL AND CONCRETE.
- ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- REINFORCING SPLICES SHALL ONLY BE MADE AS INDICATED ON THE DRAWINGS.
- ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.

STRUCTURAL STEEL AND MISCELLANEOUS METAL (ALL OTHER STEEL) WELDING

- ALL WELDING SHALL BE IN STRICT CONFORMANCE WITH THE LATEST EDITION OF AWS D1.1 AND THE CALIFORNIA BUILDING CODE WITH ALL APPLICABLE AMENDMENTS. ALL WELDED JOINTS SHALL BE PRE-QUALIFIED PER THE LATEST EDITION OF AWS D1.1. NON PRE-QUALIFIED WELDED JOINTS SHALL BE QUALIFIED BY TEST & PROCEDURE QUALIFICATION TEST RECORD INCLUDED PER THE LATEST EDITION OF AWS D1.1.
- WELDING OF SHEET METAL AND METAL STUDS SHALL BE IN ACCORDANCE WITH AWS D1.3.
- WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WELD SIZE SHALL BE AISC MINIMUM UNLESS A LARGER SIZE IS NOTED. WHERE LENGTH OF WELD IS NOT SHOWN IT SHALL BE FULL LENGTH OF JOINT. ALL BUTT AND GROOVE WELDS SHALL BE FULL PENETRATION, UNLESS NOTED OTHERWISE.
- ALL WELDING ELECTRODES AND ELECTRODE FLUX COMBINATIONS (FILLER METAL) SHALL BE E7XX, E7TXX OR E70XX (MINIMUM 70 KSI), UNLESS NOTED OTHERWISE, AND SHALL MEET THE REQUIREMENTS FOR H16 PER AISC SEISMIC PROVISIONS.
- GMAW AND FCAW-G WELDING PROCESSES SHALL NOT BE PERMITTED WHEN WIND SPEED EXCEEDS 3 MPH.
- WHERE WELDING IS NOTED, THE DESIGNATION IS GIVEN AS A SUGGESTED CONSTRUCTION PROCEDURE ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR IDENTIFYING THE METHOD OF FABRICATION.
- ALL SHOP WELDS SHALL BE PERFORMED BY A FABRICATOR LICENSED BY THE LOCAL JURISDICTION.
- ALL WELDERS SHALL BE QUALIFIED FOR THE WORK THEY WILL BE PERFORMING AND SHALL HAVE CURRENT VALID CERTIFICATIONS ISSUED BY AWS AND THE GOVERNING JURISDICTION.
- FACES OF FILLET WELDS EXPOSED TO VIEW SHALL HAVE AS-WELDED SURFACES THAT ARE REASONABLY SMOOTH AND UNIFORM. NO FINISHING OR GRINDING SHALL BE REQUIRED, EXCEPT WHERE CLEARANCES OR FIT OF OTHER ITEMS MAY SO NECESSITATE.
- WELDS SHALL BE TERMINATED AT THE END OF A JOINT IN A MANNER THAT WILL ENSURE SOUND WELDS. WHENEVER NECESSARY THIS SHALL BE DONE BY USE OF EXTENSION BARS AND RUN OFF TABS.
- A WRITTEN "WELDING PROCEDURE SPECIFICATION" (WPS), PER AWS D1.1, SHALL BE DEVELOPED BY THE FABRICATOR/ERECTOR, AND REVIEWED BY THE OWNER'S REPRESENTATIVE AND BUILDING DEPARTMENT. THE WPS SHALL CONTAIN ALL THE NECESSARY INFORMATION REQUIRED BY THE CODE, THE SPECIFICATIONS, AND ANY OTHER INFORMATION NECESSARY TO PRODUCE WELDS THAT ARE IN COMPLIANCE WITH THESE REQUIREMENTS. THE WPS SHALL INCLUDE THE WELDING PARAMETERS RECOMMENDED BY THE ELECTRODE MANUFACTURER. ALL WELDERS AND INSPECTORS SHALL ADHERE TO THE WPS AND SHALL RETAIN A COPY.

GENERAL CONTINUED

- DO NOT SPLICE STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED AND INDICATED IN THIS SET OF DRAWINGS. DO NOT PLACE OPENINGS, POCKETS, ETC. IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED AND INDICATED IN THIS SET OF STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER IF DRAWINGS BY OTHERS REQUIRE MODIFICATIONS TO STRUCTURAL MEMBERS AS SHOWN IN THIS SET OF STRUCTURAL DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
- DESIGN LOADS:
 - DEAD LOADS: CONSIST OF BUILDING SELF-WEIGHT PLUS SUPERIMPOSED DEAD LOADS. REFER TO COMPLETE SET OF DRAWINGS FOR DETERMINING DEAD LOADS.
 - LIVE LOADS:

AREA	DESIGN LIVE LOAD	REMARK
EXISTING ROOF	20 PSF	REDUCIBLE
SEISMIC DESIGN LOADS:		
SEISMIC IMPORTANCE FACTOR I_p	= 1.0	
RISK CATEGORY	= III	
R_a	= 2.5	
R_s	= 6.0	
SITE CLASS	= D (DEFAULT)	
S_{DS}	= 0.761	
SEISMIC DESIGN CATEGORY	= D	
Z_h	= 1	
 - WIND DESIGN LOADS:

BASIC WIND SPEED (3 SEC. GUST)	= 118 MPH
RISK CATEGORY	= III
WIND EXPOSURE	= B
INTERNAL PRESSURE COEFFICIENT	= 0.18 FOR ENCLOSED STRUCTURE
MAIN WIND FORCE COMPONENTS & CLADDING WIND PRESSURE	= PER ASCE 7-16 CHAPTER 30 SEE TABLE

WIND PRESSURE (PSF)			
PRESSURE ZONES	EFFECTIVE WIND AREA (FT ²)		
	10	50	100
ZONE 1	-42	-26	-16
ZONE 2	-62	-42	-34
ZONE 3	-73	-49	-39
ZONE 4 (NEG)	-25	-22	-21
ZONE 4 (POS)	23	20	19
ZONE 5 (NEG)	-31	-26	-24
ZONE 5 (POS)	23	20	19

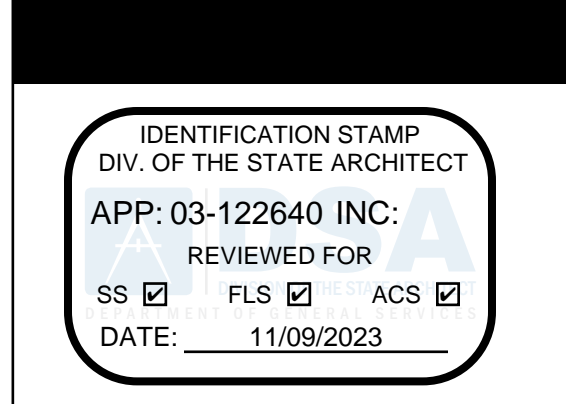
STRUCTURAL STEEL AND MISCELLANEOUS METAL (ALL OTHER STEEL)

- ALL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND THE LATEST EDITION OF AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS. WHERE THE STRUCTURAL STEEL IS EXPOSED AND INDICATED AS 'AESS' ON PLANS OR DETAILS, FABRICATION AND ERECTION SHALL ALSO BE IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE FOR ARCHITECTURALLY EXPOSED STRUCTURAL STEEL.
- GENERAL CONTRACTOR TO DETERMINE SCOPE OF WORK FOR BOTH STRUCTURAL STEEL AND MISCELLANEOUS METAL SUBCONTRACTORS (IF MULTIPLE SUBCONTRACTORS ARE USED). THE COMBINED SCOPE OF WORK FOR ALL SUBCONTRACTORS SHALL INCLUDE ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL WORK SHOWN ON THE CONTRACT DRAWINGS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM DESIGNATION AS INDICATED BELOW UNLESS NOTED OTHERWISE:

STEEL ANGLES AND CHANNELS	A36 UNO
SQUARE & RECTANGULAR HOLLOW STRENGTH SECTIONS (HSS)	ASTM A500, GRADE C
MACHINE BOLTS (USE ONLY WHERE INDICATED)	A307
THREADED AND HANGER ROD	A36
NUTS FOR BOLTS AND MACHINE BOLTS	A563
HARDENED (FLAT OR BEVELED) WASHERS	F436
PLAIN, UNHARDENED WASHERS	F844
- SPLICE MEMBERS ONLY WHERE INDICATED.
- AFTER FABRICATION, ALL STEEL SHALL BE CLEANED FREE OF RUST, LOOSE MILL SCALE AND OIL.
- BOLT HOLES IN STEEL SHALL BE STANDARD HOLES, 1/16 INCH LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, UNLESS NOTED OTHERWISE. BOLT HOLES IN BASE PLATES MAY BE OVERSIZED PER AISC MANUAL TABLE 14-2 IF WASHERS ARE PROVIDED IN ACCORDANCE WITH THIS TABLE.
- ALL STRUCTURAL STEEL SURFACES TO BE WELDED OR HIGH-STRENGTH BOLTED, TO BE ENCASED IN CONCRETE OR TO RECEIVE SPRAY-APPLIED FIREPROOFING SHALL BE LEFT UNPAINTED.
- SEE ARCHITECTURAL DRAWINGS FOR DETAILS OF FIREPROOFING.

GENERAL

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.
- DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS. DRAWINGS SHALL NOT BE SCALED.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NOTES AND DETAILS ON DRAWINGS AND THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE PROJECT SPECIFICATIONS THE MOST STRINGENT SHALL APPLY. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED AS SHOWN FOR SIMILAR WORK.
- ALL WORK SHALL CONFORM TO THE STANDARDS OF THE FOLLOWING:
 - CALIFORNIA BUILDING CODE, 2019 EDITION
 - AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING BUT NOT LIMITED TO CAL/OSHA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, AND THOSE CODES AND STANDARDS LISTED IN THE CONTRACT DOCUMENTS.
- SPECIFICATIONS, CODES, AND STANDARDS NOTED IN THE CONTRACT DOCUMENTS SHALL BE OF THE LATEST APPROVED ISSUE, INCLUDING SUPPLEMENTS, UNLESS OTHERWISE NOTED. MATERIAL SPECIFICATIONS SHALL COMPLY WITH ASTM REFERENCED STANDARDS LATEST EDITION.
- MANUFACTURED MATERIALS SHALL BE APPROVED BY THE CHECKING AGENCY PRIOR TO THEIR USE. ALL REQUIREMENTS OF THOSE APPROVALS SHALL BE FOLLOWED.
- SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
 - A. SIZE AND LOCATION OF ALL NON-BEARING PARTITIONS.
 - B. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS.
 - C. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
- SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
 - A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL, ROOF AND FLOOR OPENINGS, ETC., NOT SHOWN OR NOTED.
 - B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
 - C. ANCHORAGE AND BRACING FOR ELECTRICAL, MECHANICAL OR PLUMBING EQUIPMENT TO THE STRUCTURE UNO.
 - D. ANCHOR BOLTS FOR EQUIPMENT MOUNTS UNO.
 - E. SIZE, WEIGHT, AND LOCATION OF MACHINE AND EQUIPMENT BASES.
- OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER OF RECORD WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.
- CONTRACTOR SHALL CAREFULLY REVIEW THE DRAWINGS TO IDENTIFY THE EXTENT OF THE SCOPE OF WORK. VISIT THE SITE TO RELATE THE SCOPE OF WORK TO EXISTING CONDITIONS AND DETERMINE THE EXTENT TO WHICH THOSE CONDITIONS AND PHYSICAL SURROUNDINGS WILL IMPACT THE WORK.
- THE CONTRACTOR SHALL RESOLVE ANY CONFLICTS ON THE CONSTRUCTION DOCUMENTS WITH THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
- UNLESS NOTED OTHERWISE, COLUMNS, WALLS, BEAMS, FOOTINGS, ETC. ARE CENTERED AT GRIDLINES. WHERE BEAM TO BEAM SPACING IS NOT SHOWN, BEAM SHALL BE EQUALLY SPACED BETWEEN GRIDLINES.
- ANY DEVIATION FROM THE APPROVED SET OF STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW/APPROVAL BEFORE PROCEEDING WITH THE WORK. SUBSTITUTIONS OF PRODUCTS OR MATERIALS SPECIFIED ON THE CONSTRUCTION DOCUMENTS ARE NOT ALLOWED WITHOUT OWNER'S REPRESENTATIVE'S APPROVAL.
- THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE MEANS, METHOD, TECHNIQUES, SEQUENCE AND PROCEDURE OF CONSTRUCTION AS REQUIRED. SITE VISITS PERFORMED BY THE OWNER'S REPRESENTATIVE DO NOT INCLUDE INSPECTIONS OF MEANS AND METHODS OF CONSTRUCTION PERFORMED BY CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORES, BRACES AND GUYS REQUIRED TO SUPPORT ALL LOADS TO WHICH THE BUILDING STRUCTURE AND COMPONENTS, SOILS, OTHER STRUCTURES AND UTILITIES MAY BE SUBJECTED DURING CONSTRUCTION. SHORING SYSTEMS SHALL BE DESIGNED AND STAMPED BY A CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA. VISITS TO THE SITE BY THE OWNER'S REPRESENTATIVE WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.
- CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOFS. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT SPECIFIED ON THIS SET OF DRAWINGS. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH OR WHERE OVERLOAD IS ANTICIPATED.
- STRUCTURAL OBSERVATIONS PERFORMED BY THE STRUCTURAL ENGINEER DURING CONSTRUCTION ARE NOT THE REQUIRED CONTINUOUS AND SPECIAL INSPECTION SERVICES AND DO NOT WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED OF THE DSA CERTIFIED PROJECT INSPECTOR OR THE SPECIAL INSPECTOR. OBSERVATIONS ALSO DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSIDERED AS SUPERVISION OF CONSTRUCTION.
- CONTRACTOR SHALL REVIEW SHOP DRAWINGS FOR COMPLETENESS AND COMPLIANCE WITH CONTRACT DOCUMENTS AND SHALL STAMP SHOP DRAWINGS PRIOR TO SUBMISSION TO THE OWNER'S REPRESENTATIVE.
- ARCHITECT'S / ENGINEER'S REVIEW OF THE SHOP DRAWINGS SHALL NOT BE CONSTRUED AS AN AUTHORIZATION TO DEVIATE FROM CONTRACT DOCUMENTS.
- SHOP DRAWINGS WILL NOT BE PROCESSED DUE TO INCOMPLETENESS, LACK OF COORDINATION WITH RELEVANT PORTION OF CONTRACT DOCUMENTS, LACK OF CALCULATIONS IF REQUIRED AND WHERE DEVIATIONS, MODIFICATIONS AND SUBSTITUTIONS ARE INDICATED WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE.
- ALLOW SEVEN WORKING DAYS FOR PROCESSING SHOP DRAWINGS OTHER THAN STRUCTURAL STEEL & DESIGN-BUILD ITEMS AFTER RECEIPT BY THE STRUCTURAL ENGINEER. ALLOW FOURTEEN WORKING DAYS FOR PROCESSING STRUCTURAL STEEL & DESIGN-BUILD ITEMS SHOP DRAWINGS. SHOP DRAWINGS AND SUBMITTALS WILL BE REVIEWED A MAXIMUM OF TWO TIMES.
- THE LATERAL SYSTEM OF THE STRUCTURE IS DESIGNED WITH LATERAL RESTRAINT AT THE GROUND STRUCTURAL FRAMES ARE NOT LATERALLY SELF SUPPORTING UNTIL THE ENTIRE DESIGN LATERAL RESTRAINT FLOOR AND STRUCTURAL WALLS BELOW ARE IN PLACE.



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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School
607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



CONSULTANT



PROJECT INFO

Project No	966-0018
Date	11.02.23
DSA File No	15-6
DSA No	03-122640

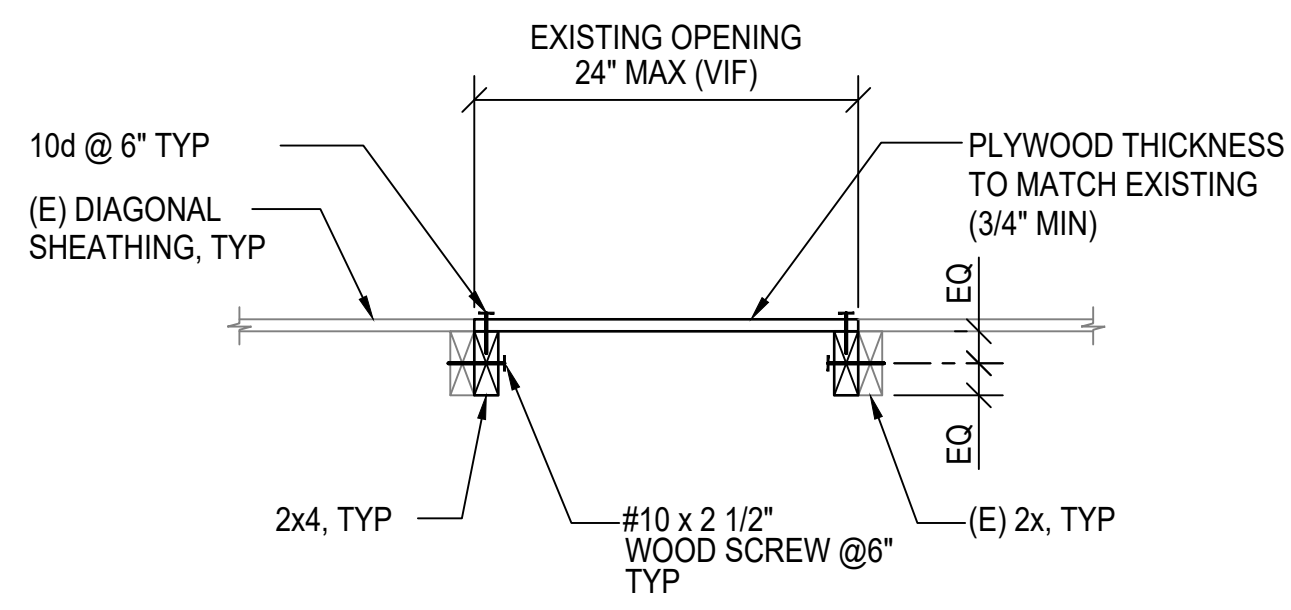
REVISIONS

No	Date	Item

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GENERAL NOTES

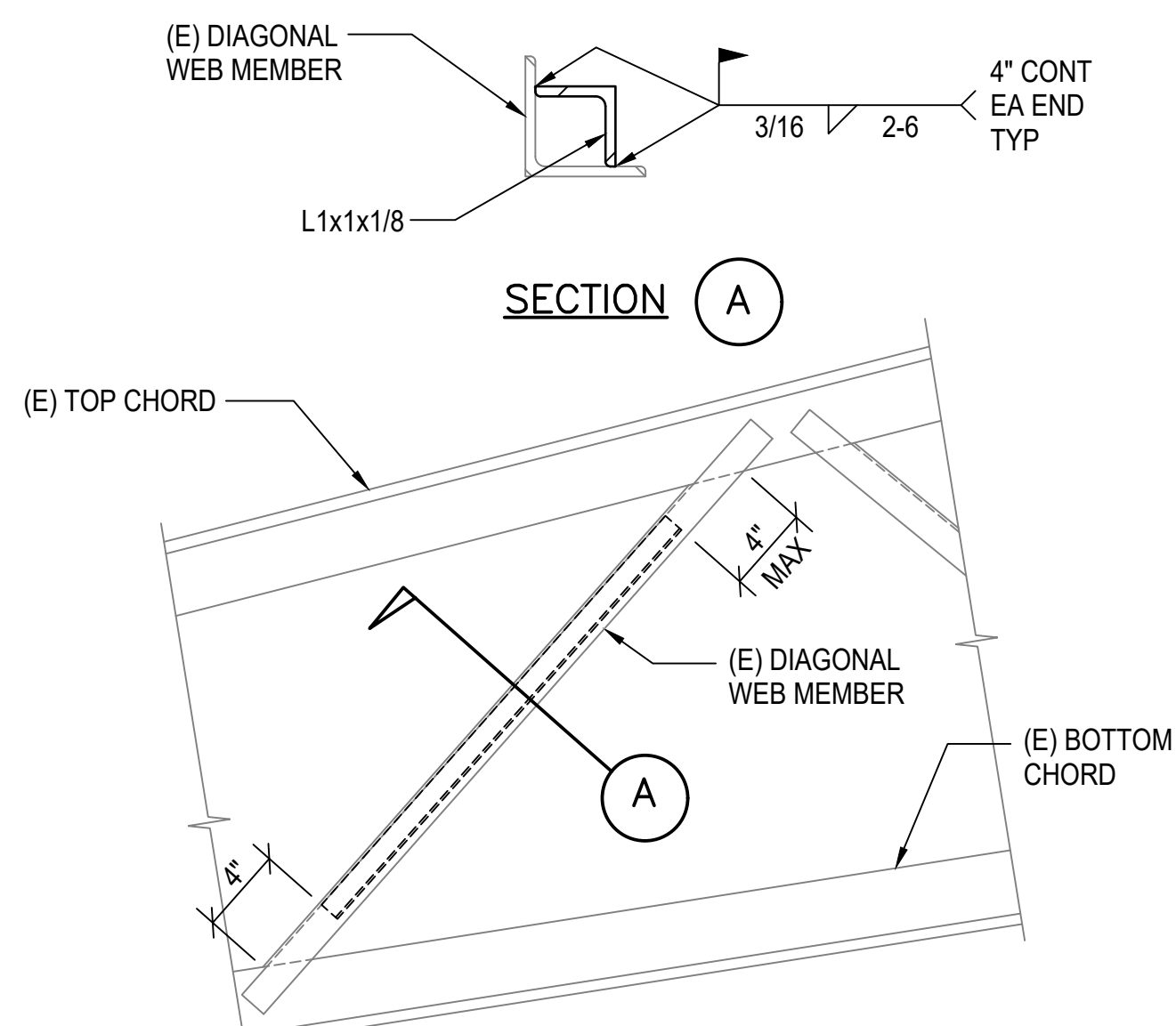
S0.01



EXISTING VENT OPENING INFILL DETAIL

1" = 1'-0"

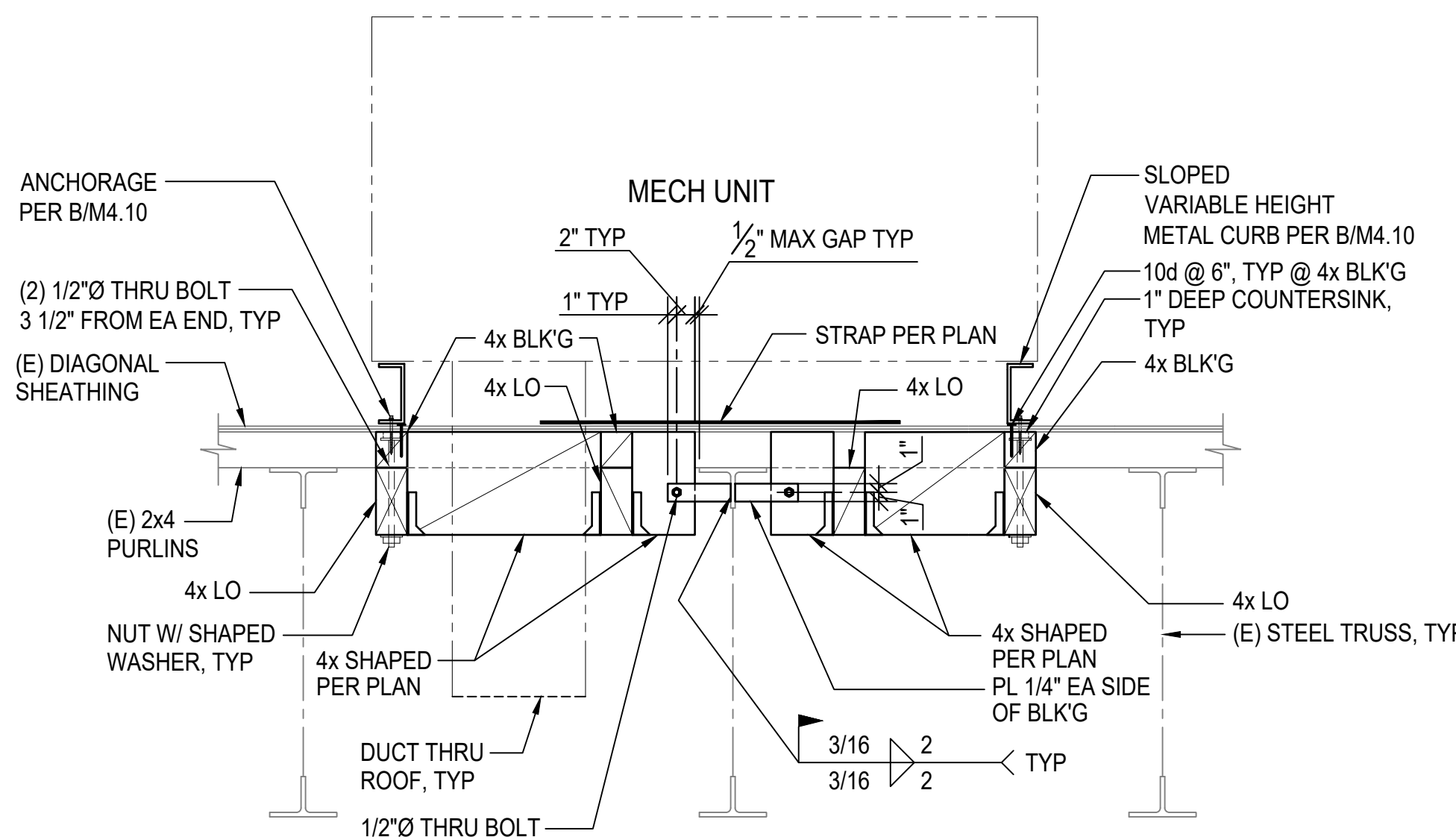
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TYPICAL WEB MEMBER REINFORCEMENT DETAIL

1 1/2" = 1'-0"

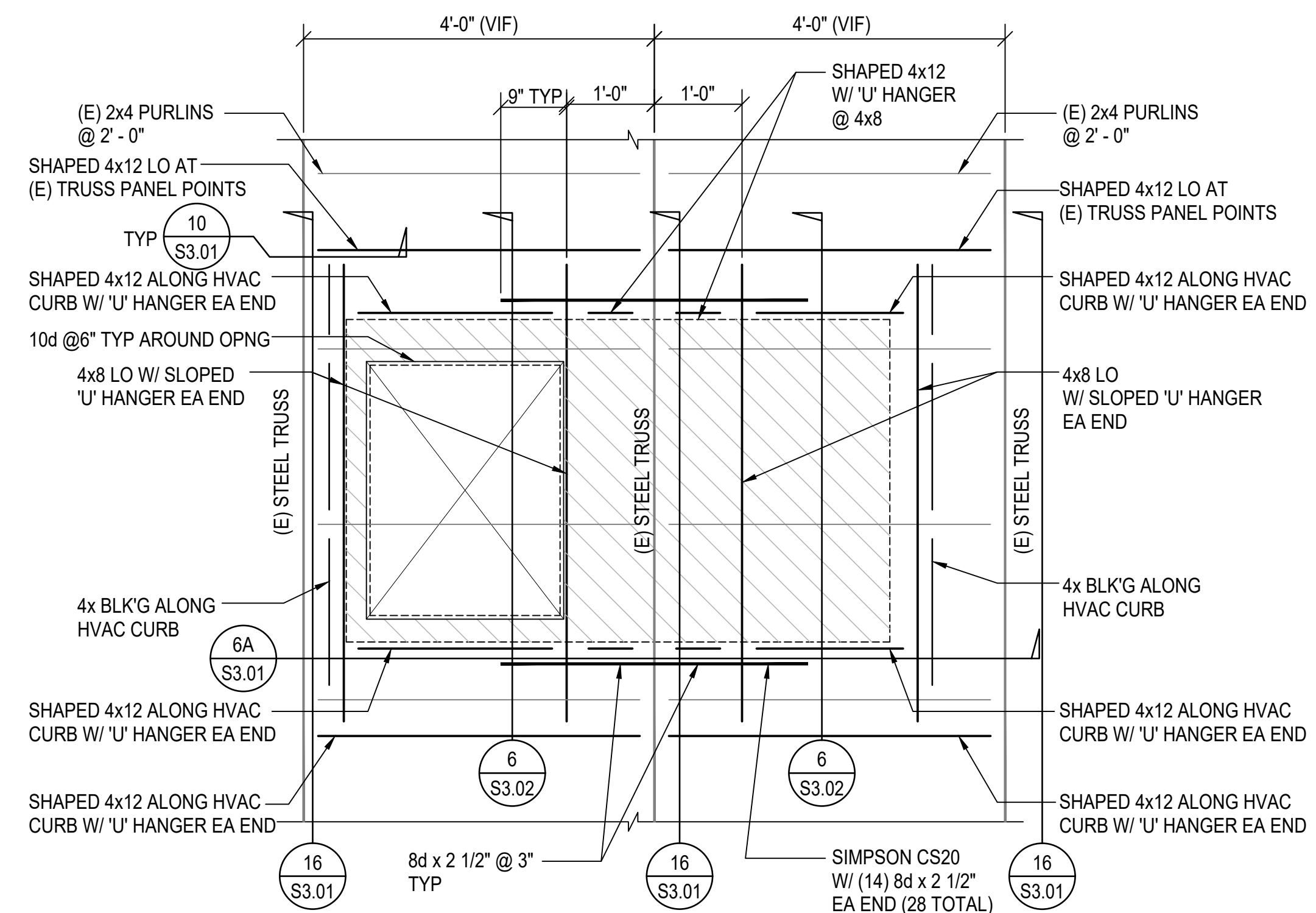
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SECTION

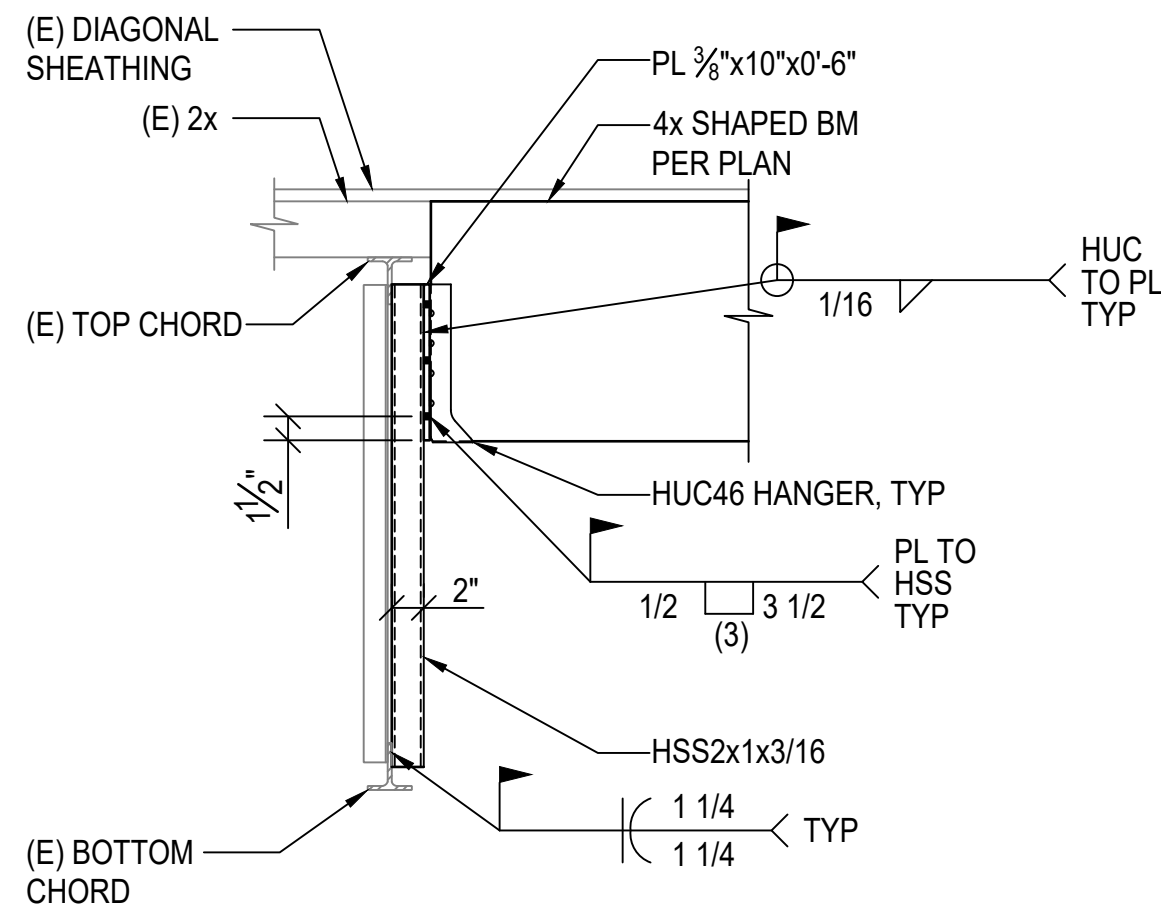
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- NOTES:
- SHIFT THE UNIT EAST OR WEST TO BE LOCATED OVER TOTAL OF 3 TRUSSES.
 - FIELD VERIFY TRUSS LOCATION.



6

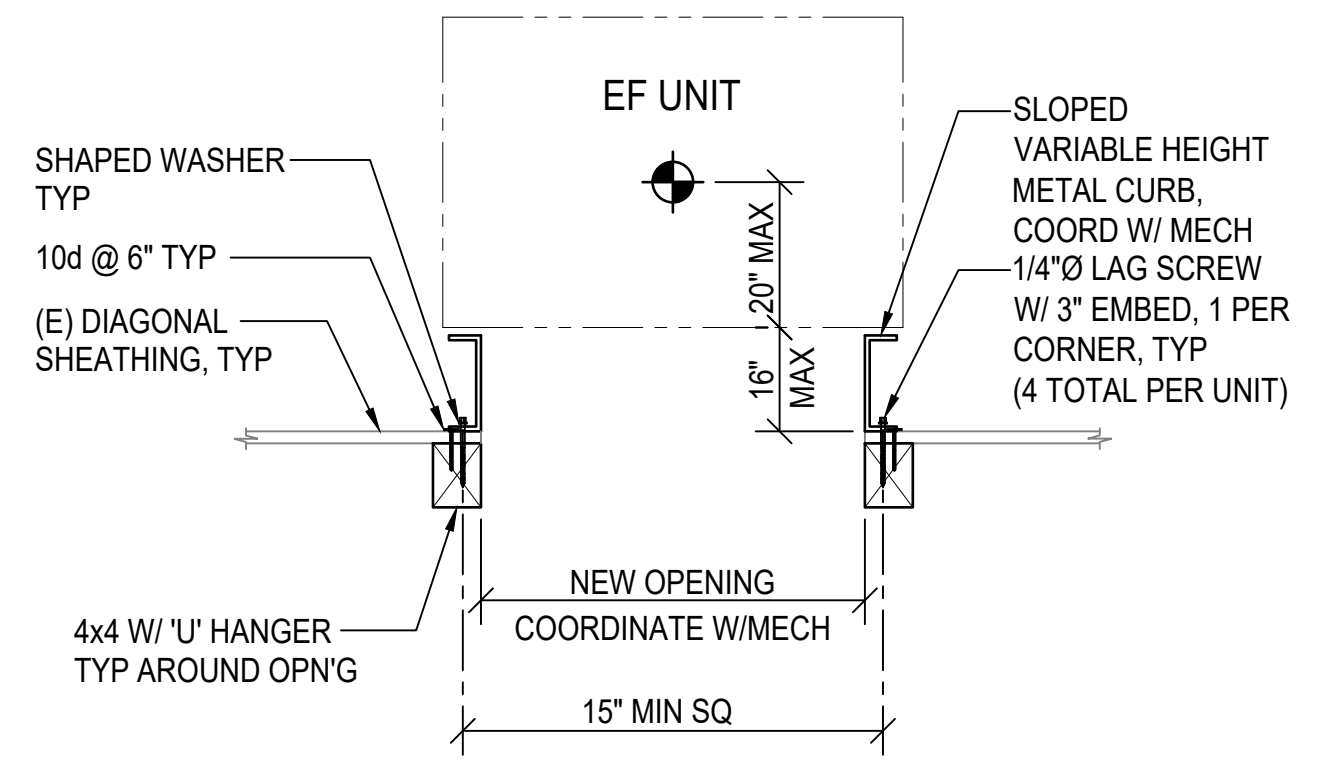
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SECTION

1" = 1'-0"

10

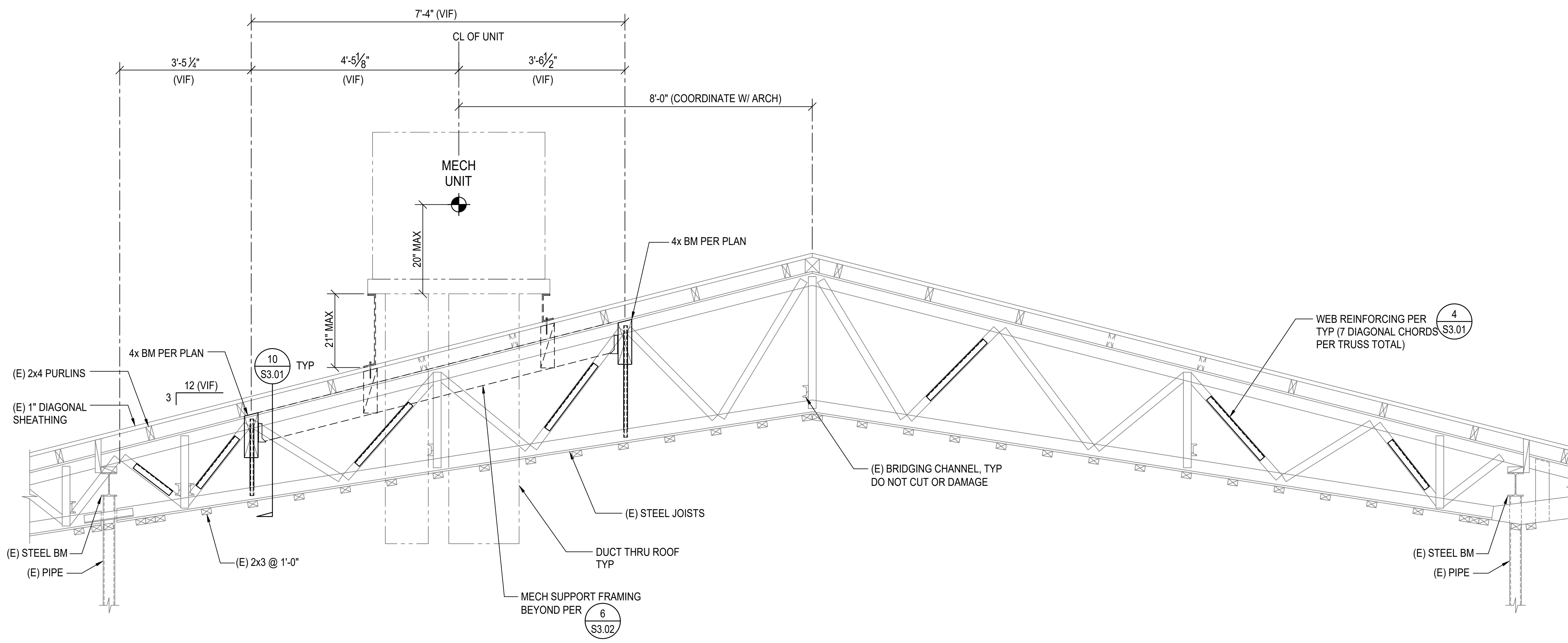


FRAMING AT EF UNIT

1" = 1'-0"

9

ENLARGED FRAMING PLAN AT HVAC UNIT



TRUSS REINFORCEMENT AT MECH UNIT

16

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122640 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/09/2023



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CAMPUS HVAC SYSTEM UPGRADE

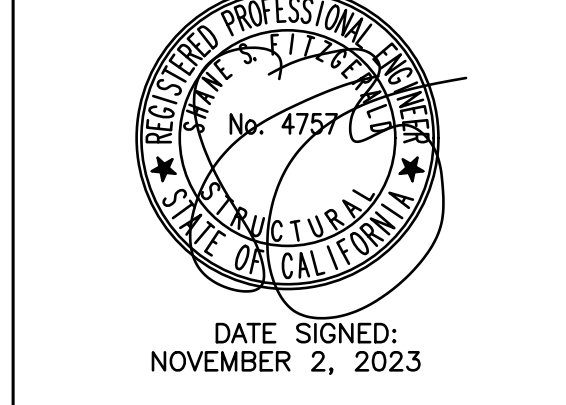
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DATE SIGNED:
NOVEMBER 2, 2023

PROJECT INFO

Project No	566-0018
Date	11.02.23
DSA File No	15-6
DSA No	03-122640

REVISIONS

No	Date	Item

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SECTIONS AND DETAILS

S3.01

TITLE 24 MECHANICAL & PLUMBING REQUIREMENTS (CODE REFERENCES ARE TO 2019 BUILDING ENERGY EFFICIENCY STANDARDS):

- All air cooled HVAC units shall have minimum efficiencies per Table 110.2-A.
- All furnaces shall have minimum efficiencies per Table 110.2-4.
- All furnaces shall have stand by loss controls per section 110.2.1(d).
- All thermostats shall comply with 110 (b) or (c), as applicable.
- All HVAC systems shall have outside (ventilation) air per 120.1 (b) 2. Also see mechanical plans for minimum outside air settings. Refer to table on plan.
- When CO2 ventilation demand controls are specified, provide in accordance with 120.1 C. 4.
- Minimum ventilation rates shall be initiated one hour prior to scheduled occupancy per 120.1 (c) 2.
- Each HVAC system shall have shut-off and reset controls complying with 120.2 (e).
- All outside and exhaust dampers shall automatically close per 120.2 (f).
- All systems greater than a nominal 54 MBH cooling capacity shall have economizers equipped with fault detection and diagnostics per 120.2 (i).
- All ductwork insulation shall comply with 120.4.
- Set up all thermostats with a dead band of no less than three degrees to prevent cycling between heating and cooling.
- Acceptance tests required prior to granting occupancy. NA refers to Non Residential appendices:
 - Outdoor air ventilation systems per NA 7.5.1.
 - Constant volume single zone system controls per NA 7.5.2.
 - Air economizers per NA 7.5.4.
 - Demand control (CO2) controls, when required, per NA 7.5.5.
 - Fault Detection & Diagnostics (FDD) per NA 7.5.11.

Equipment Anchorage Notes:

All Mechanical, Plumbing, and Electrical components shall be anchored and installed per the details on the DSA approved construction documents. The following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2019 CBC, Sections 1617A.1.18 through 1617A.1.26 and ASCE 7-16 Chapters 13, 26 and 30.

- All permanent equipment and components.
- Temporary, moveable or mobile equipment that is permanently attached (E.G. hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical connections except plugs for 110/220 volt receptacles having a flexible cable.
- Temporary, moveable or mobile equipment which is heavier than 400 pounds or has a center mass located 4 feet or more above the adjacent floor or roof level that directly support the component are required to be restrained in a manner approved by DSA.

The following Mechanical and Electrical components shall be positively attached to the structure, but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping and conduit. Flexible connections must allow movement in both transverse and longitudinal directions:

- Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
- Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.

The anchorage of all Mechanical, Electrical and Plumbing components shall be subject to the approval of the design professional in general responsible charge or structural engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with above requirements.

Piping, Ductwork, and Electrical Distribution System Bracing Note:

Piping, ductwork, and Electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Section 13.6.5, 13.6.6, 13.6.7, 13.6.8, and 2019 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a pre-approved installation guide (e.g., OSHPD OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):

- MP MD Option 1: Detailed on the approved drawings with project specific notes and details
 PP E
- MP MD Option 2: Shall comply with the applicable OSHPD Pre-Approval (OPM#) #Tolco/B-line OPM-052.
 PP E

Codes:

- California Code of Regulations (C.C.R.)
- Part 1 - 2022 California Standards Administrative Code, Title 24, C.C.R.
- Part 2 - 2019 California Building Code (C.B.C.), Title 24, C.C.R. Volumes 1-3.
- Part 3 - 2019 California Electrical Code, Title 24, C.C.R.
- Part 4 - 2019 California Mechanical Code (C.M.C.), Title 24, C.C.R.
- Part 5 - 2019 California Plumbing Code (C.P.C.), Title 24, C.C.R.
- Part 6 - 2019 California Energy Code, Title 24, C.C.R.
- Part 9 - 2019 California Fire Code, Title 24, C.C.R.
- Part 11 - 2019 California Green Code, Title 24, C.C.R.

Standards and Guides:

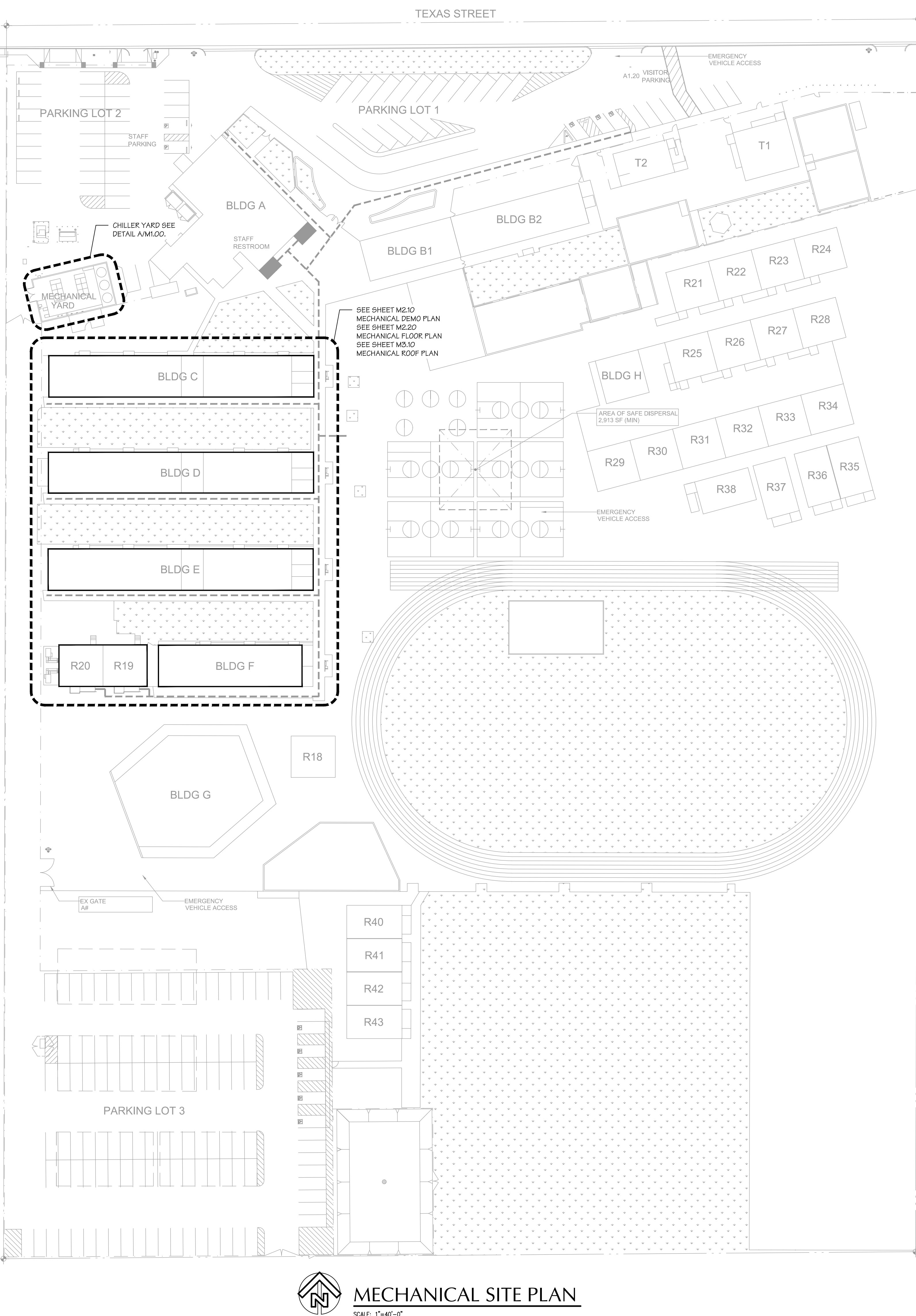
- ADAAG - American with Disabilities Act, Accessibility Guidelines.
- Fixtures - Plumbing fixtures to comply with table 5.303.6 of the California Green Building Standards - 2019 Edition.

Air Conditioning Legend

SYMBOL	ABBV.	ITEM	SYMBOL	ABBV.	ITEM
	A.C.	Air Conditioning		H.W.R.	Heating Water Return
	A.D.	Access Door		H.W.S.	Heating Water Supply
	A.F.F.	Access Finished Floor		INT.	Interior
	A.H.	Air Handler		LOC.	Location
	B.A.S.	Building Automation System		M.O.	Motor Operated
	B.V.	Bypass Valve		(N)	Non
	C.D.	Condensate Drain		N.C.	Normally Closed
	C.E.R.	Ceiling Exhaust Register		N.I.C.	Not in Contact
	C.W.R.	Condenser Water Return		N.O.	Normally Open
	C.W.S.	Condenser Water Supply		O.S.A.	Outside Air
	C.H.W.R.	Chilled Water Return		O.B.D.	Opposed Blade Damper
	C.H.W.S.	Chilled Water Supply		P.O.C.	Point of Connection
	C.M.B.	Combustion		P.P.	Piston Plug
	C.N.N.	Connection		PROV.	Provide
	C.N.T.	Continuation		P.R.V.	Pressure Reducing Valve
	C.R.	Ceiling Return Register		SIM.	Similar
	C.E.	Ceiling		S.F.D.	Similar Fire Damper
	C.S.R.	Ceiling Supply Register		S.F.D.	Similar Fire Damper w/ access panel
	C.V.	Check Valve		S.M.	Sheet Metal
	C.D.W.	Domestic Cold Water		S.O.V.	Shut Off Valve
	D.A.M.	Damper		S.P.S.T.	Single Pole Single Throw
	D.L.	Door Lifter		T.O.R.S.	Thermostat on Room Sensor
	D.N.	Down		SURF.	Surface
	D.P.D.T.	Double Pole Double Throw		(TYP)	Typical
	D.T.R.	Duct thru Roof		U.G.	Underground
	(E)	Existing		U.N.C.	Under Noted Circumstance
	E.F.	Exhaust Fan		V.D.	Volume Damper
	E.M.S.	Energy Management System		V.O.D.	Vol. Damper w/ Remote Operator
	E.X.	Exhaust		W.P.	W.P.
	F.D.	Fire Damper w/ acc. panel		W.R.	Wall Return Register
	F.D.	Fire Damper w/ acc. panel		W.S.R.	Wall Supply Register
	F.R.C.	Fire Resistor Connection		W.A.	Duct w/ Acoustic Lining
	F.L.	Floor		W.V.	Turning Vanes
	F.T.R.	Fire Thru Roof		W.V.	Exhauster
	F.U.N.	Furnace		W.V.	Exhauster
	G.A.U.	Gauge		W.V.	Exhauster
	G.A.S.	Gasket		W.V.	Exhauster
	G.A.V.	Glycerol		W.V.	Exhauster
	G.P.M.	Gallons per Minute		W.V.	Exhauster
	G.A.S.	Gasket		W.V.	Exhauster
	G.V.	Gate Valve		W.V.	Exhauster
	G.V.	Gate Valve		W.V.	Exhauster

General Project Note:

- Coordination of work: Layout of materials, equipment and systems is generally diagrammatic unless specifically dimensioned. Some work may be shown offset for clarity. The actual location of all materials, piping, ductwork, fixtures, equipment, supports, etc. shall be carefully planned, prior to installation of any work to avoid all interferences with each other, or with structural, electrical, architectural or other elements. Verify the proper voltage and phase of all equipment with the electrical plans. All conflicts shall be called to the attention of the architect and the engineer prior to the installation of any work or the ordering of any equipment.
- Cutting, boring, saw cutting or drilling through the new or existing structural elements to be done only when so detailed in the drawings or accepted by the Architect and Structural engineer with the approval of DSA representative.



MECHANICAL SITE PLAN
SCALE: 1/8"=1'-0"

EQUIPMENT SCHEDULE

- HP-1** (M4.17)
Carrier SOCCQM06 Rooftop Heat Pump, 1,800 CFM @ 0.60 E.S.P., 0.66 BHP direct drive supply fan drive vane-axial fan with electrically commutated motor, 1,200 CFM low speed (staged air volume), 61,300 BTUH total / 46,320 sensible gross cooling / 54,860 heating capacity / 16.2 SEER / 11.7 EER / 8.3 HSPF at ARI conditions. Two stage cooling, 5 year compressor warranty, high and low pressure switches, adjustable defrost timer, and anti-short cycle timer. (4) 16" x 16" x 2" MERV 13 return air filters, 5.5 kW electric strip heater factory mounted and wired, single point power connection for heat pump and strip heater. Integrated modulating economizer with dry bulb control, fault diagnostics and detection per 724 regulations, modulating power exhaust fan module, demand control ventilation package with wall mounted CO2 sensor set to 1000 ppm. Adjust outside airflow to modulate between h-low settings per O.A. schedule on plans. Include information on both settings in air balance report. Provide separate power feed and disconnect for economizer power exhaust fan. Sloped roof curb with seismic hold down clips, internal high and low compressor protection.
- Operating Weight: 1,200 CFM low speed (staged air volume)
Unit and Accessories: 816 Lbs.
Curb: 107 Lbs.
- HP-2** (M4.17)
Carrier SOVT-C24 Rooftop Heat Pump, 700 CFM @ 0.40 E.S.P., 0.38 BHP direct drive supply fan motor, 22,620 BTUH total / 16,730 sensible net cooling / 22,380 heating capacity / 14.5 SEER / 8.2 HSPF at ARI conditions. Single stage cooling, 5 year compressor warranty, high and low pressure switches, adjustable defrost timer, and anti-short cycle timer. 2" Deep MERV 13 return air filters in factory filter rack. 3.8 kW electric strip heater, factory mounted and wired, single point power connection for heat pump and strip heater. Motorized two-position outside air damper. Sloped roof curb with seismic hold down clips internal high and low compressor protection.
- Operating Weight: 43.9 MCA / 45 MOCP @ 208v-1ph. (HP Unit)
Unit and Accessories: 326 Lbs.
Curb: 65 Lbs.
- HP-3** (M4.17)
Carrier SOCCQM07 Rooftop Heat Pump, 2,100 CFM @ 0.60 E.S.P., 0.83 direct drive supply fan drive vane-axial fan with electrically commutated motor, 1,400 CFM low speed (staged air volume), 73,450 BTUH total / 53,300 sensible gross cooling / 63,550 heating capacity / 11.2 EER / 15.0 IER / 3.6 COP at ARI conditions. Two stage cooling, 5 year compressor warranty, high and low pressure switches, adjustable defrost timer, and anti-short cycle timer. (4) 16" x 16" x 2" MERV 13 return air filters, 5.5 kW electric strip heater factory mounted and wired, single point power connection for heat pump and strip heater. Integrated modulating economizer with dry bulb control, fault diagnostics and detection per 724 regulations, modulating power exhaust fan module, demand control ventilation package with wall mounted CO2 sensor set to 1000 ppm. Adjust outside airflow to modulate between h-low settings per O.A. schedule on plans. Include information on both settings in air balance report. Provide separate power feed and disconnect for economizer power exhaust fan. Sloped roof curb with seismic hold down clips, internal high and low compressor protection.
- Operating Weight: 23 MCA / 25 MOCP @ 460v-3ph. (HP Unit)
Unit and Accessories: 809 Lbs.
Curb: 107 Lbs.
- EF-1** (M4.17)
Greenheck CUE-095-VG Centrifugal Uplblast Roof Mounted Exhaust Fan. 250 CFM @ 0.50" E.S.P., 1319 RPM, .06 BHP, 6.7 sones, 1/6 HP direct drive ECM motor. Provide with sloped roof curb, backdraft damper, dial on motor for balancing, bird screen, and NEMA-1 toggle switch. Interlock fan operation with Pelican EMS system. See detail F/M4.10.
- Operating Weight: 36 Lbs.
- EF-2**
Greenheck SPA-50-90-VG Ceiling Mounted Exhaust Fan, 90 CFM @ 0.20" E.S.P., 887 RPM, 6 watts ECM motor, 0.7 sones. Provide with backdraft damper, full size discharge to roof cap, and NEMA-1 toggle switch. Interlock fan operation with light circuit. Dial on fan speed control with time delay set to fifteen minutes.
- Operating Weight: 12 Lbs.
- PEF-1** (M4.17)
Greenheck CUE-160-VG Centrifugal Roof Mounted Power Exhaust Fan. 1,800 CFM @ 0.40" E.S.P., 844 RPM, 23 BHP, 1/2 HP direct drive ECM motor, Vari-Green constant pressure controls (set to .03" indoor S.P. adjustable), room static pressure probe, 9.0 sones, sloped roof curb, backdraft damper, bird screen, and NEMA-1 toggle switch.
- Operating Weight: 80 Lbs.

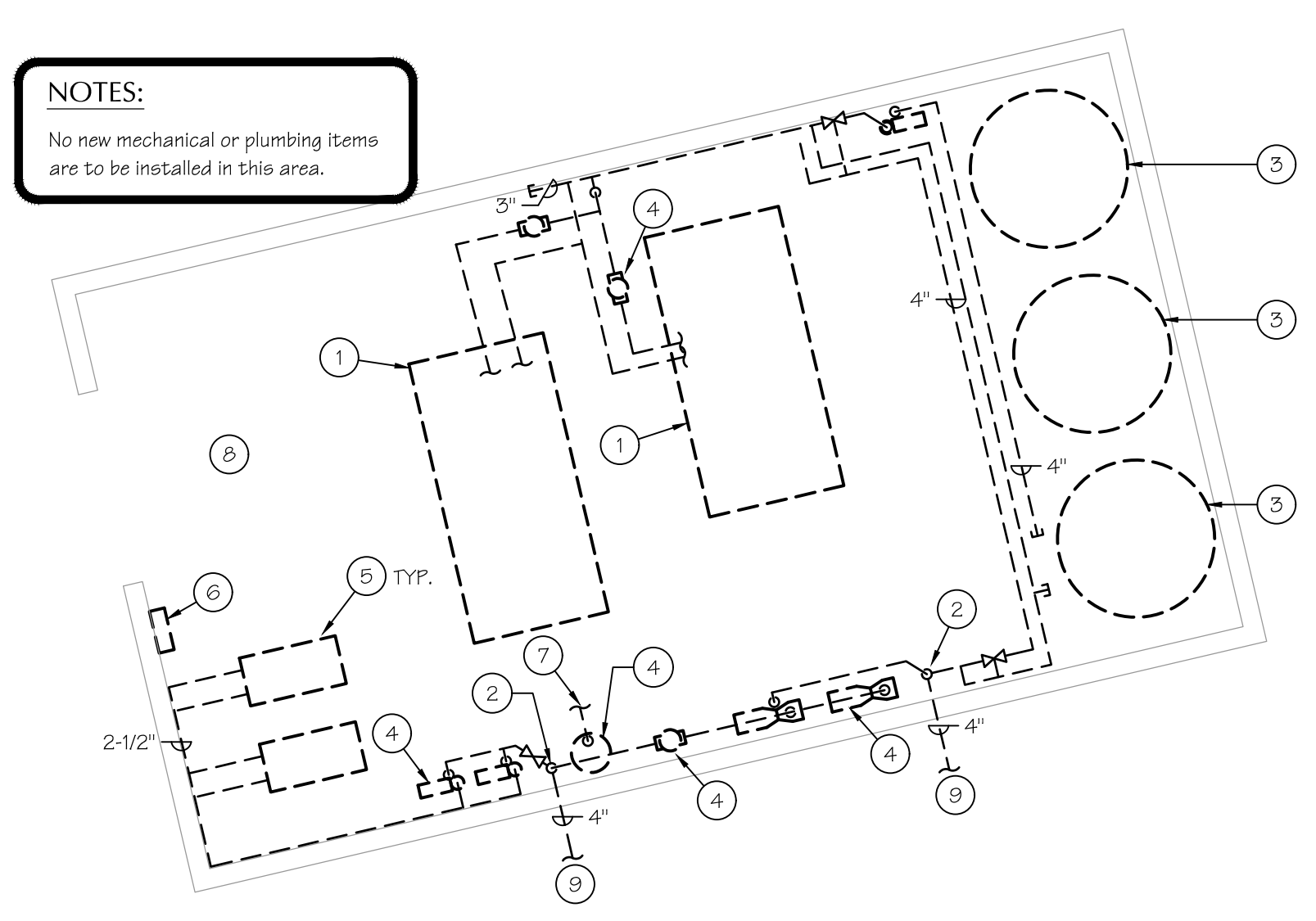
DIFFUSER SIZING CHART

CFM	TITUS MCD, SQUARE NECK	CFM	TITUS TDC, SQUARE NECK
0 - 200	6" x 6"	0 - 150	6" x 6"
201 - 325	8" x 8"	151 - 275	9" x 9"
326 - 450	10" x 10"	276 - 475	12" x 12"
451 - 600	12" x 12"	476 - 700	15" x 15"
601 - 700	14" x 14"	701 - 950	18" x 18"
701 - 850	16" x 16"	951 - 1250	21" x 21"
851 - 950	18" x 18"	1251 - 1700	24" x 24"
951 - 1150	20" x 20"	1701 - 2500	30" x 30"

GRILLE SCHEDULE

- CD-1**
Titus Model TDC Louvered Face Diffuser with T-Bar mount frame and O.B.D. See diffuser sizing chart for neck sizes.
- CR-1 & CE-2**
Titus Model 50F eggcrate T-Bar mount return grille.
- CR-2 & CE-3**
Titus Model 35RL, surface mount.
- CE-1**
Titus Model 35RL, 35 degree deflection, surface mounting frame, O.B.D.
- Note: Paint all visible surfaces behind diffusers and grilles flat black.

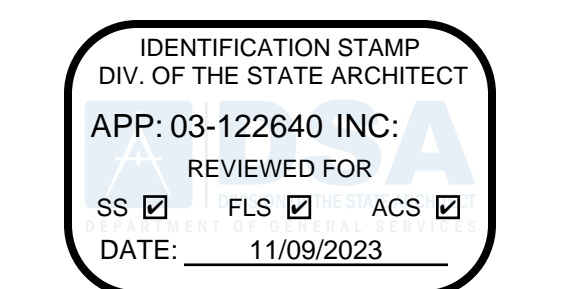
NOTES:
No new mechanical or plumbing items are to be installed in this area.



CHILLER YARD DEMO PLAN

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

- CENTRAL PLANT DEMOLITION KEYNOTES:**
- Remove existing chillers, all chilled water piping, hangers, supports, etc.
 - Cap all mechanical piping at 1' above grade.
 - Remove existing thermal storage tanks, all piping supports, etc.
 - Remove all existing pumps, expansion tanks, pot feeder, supports, accessories, etc.
 - Remove existing boiler, all hot water piping, supports, etc.
 - Remove existing EMS panel, all related conduits, wiring, controls, etc.
 - Demo back domestic CW pipe back to branch take-off and cap.
 - Note: Entire central plant yard shall be made free of all mechanical, plumbing, electrical, and control items related to items being removed. Confirm exact details based on field conditions.
 - Existing site mech. piping abandoned in place.



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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School
607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



CONSULTANT



PROJECT INFO

Project No	566-0018
Date	09.14.22
DSA File No	15.26
DSA No	03-122640

REVISIONS

No	Date	Item
1	00.08.08	DESCRIPTION

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11.03.23 16:45

MECHANICAL SITE PLAN, SCHEDULE, AND NOTES

M1.00

**CAMPUS HVAC
 SYSTEM UPGRADE**

**Fremont Magnet
 Elementary School**

807 Texas St Bakersfield, CA 93307
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
 ARCHITECT C-19670

CONSULTANT



PROJECT INFO

Project No	566-0018
Date	09.14.22
DSA File No	15-4
DSA No	03-122640

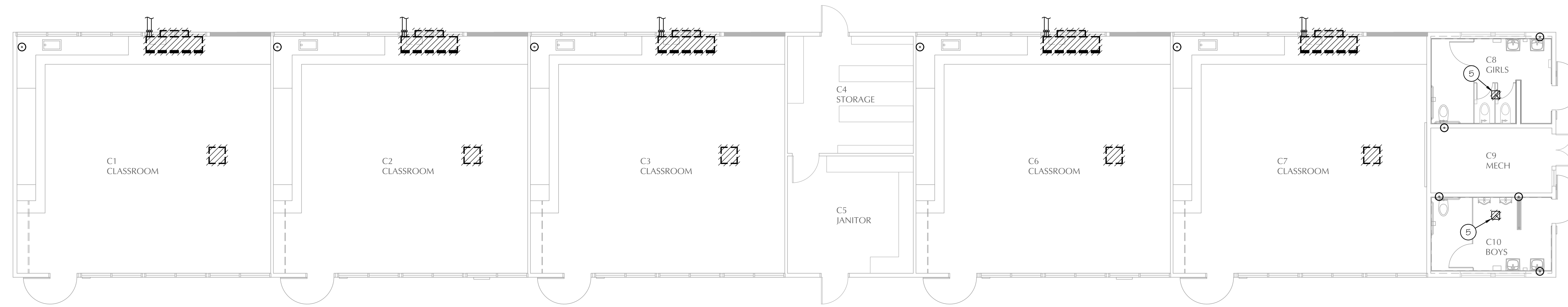
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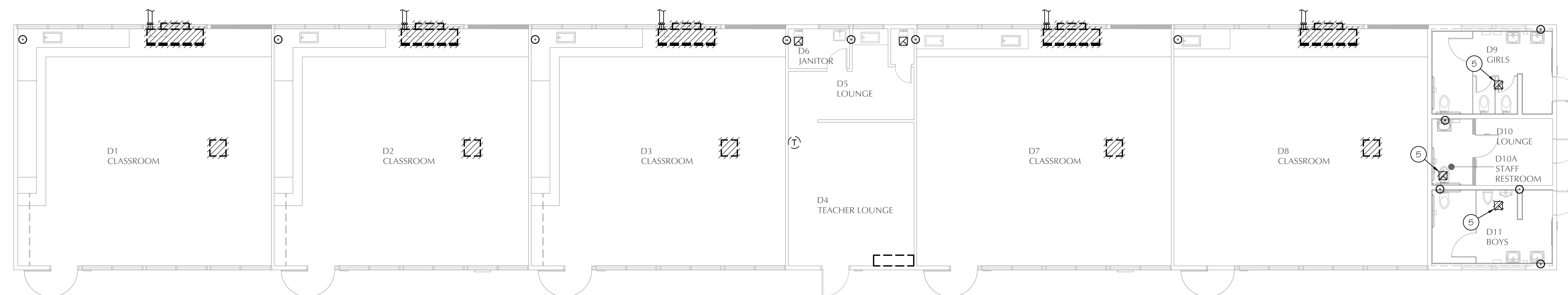
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MECHANICAL DEMOLITION PLANS

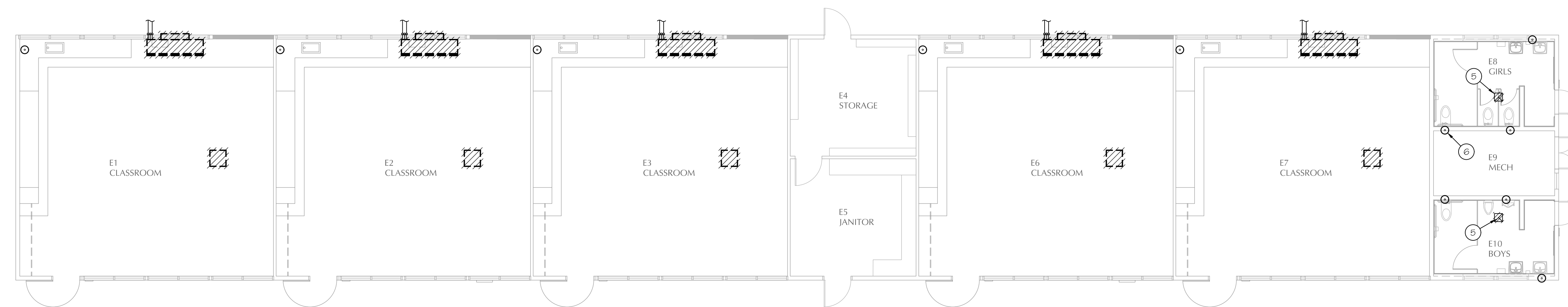
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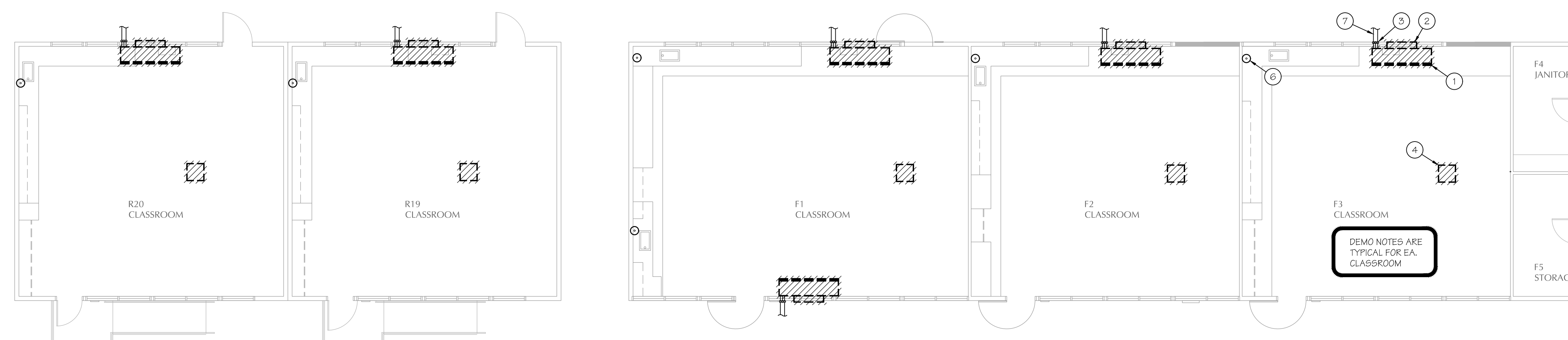
MECHANICAL DEMO PLAN - BUILDING C
 SCALE: 1/8"=1'-0"



MECHANICAL DEMO PLAN - BUILDING D
 SCALE: 1/8"=1'-0"



MECHANICAL DEMO PLAN - BUILDING E
 SCALE: 1/8"=1'-0"



MECHANICAL DEMO PLAN - BUILDING R19/R20
 SCALE: 1/8"=1'-0"

MECHANICAL DEMO PLAN - BUILDING F
 SCALE: 1/8"=1'-0"

- Demolition Key Notes:**
- Remove existing floor mounted unit ventilator, all related mechanical piping, condensate piping, controls, supports, anchorage, etc. Patch existing surfaces to match existing.
 - Remove existing outside air louvers. Infill / patch wall to match existing.
 - Remove existing hydronic and condensate piping and exterior chase. Remove piping to 12" below grade. Cap piping and abandon in place.
 - Remove existing gravity relief vents, roof curb, ductwork, roof cap, relief grille, etc.
 - Remove existing exhaust fan, ductwork, etc.
 - Existing waste vent, typical. Confirm exact location in field.
 - Abandon in place below grade site hydronic piping.
 - Existing split system fan coil to remain.
 - Existing exhaust fan to remain.

**CAMPUS HVAC
 SYSTEM UPGRADE**

**Fremont Magnet
 Elementary School**

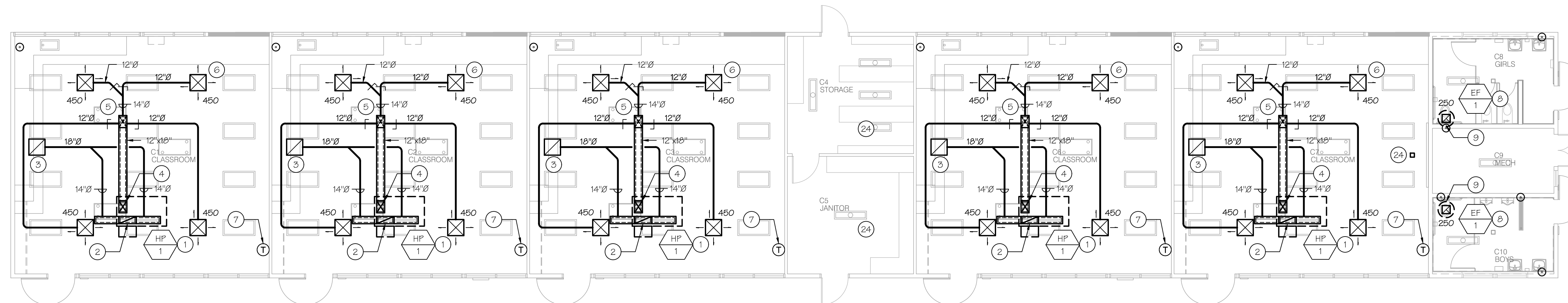
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 Bakersfield City School District

ARCHITECT

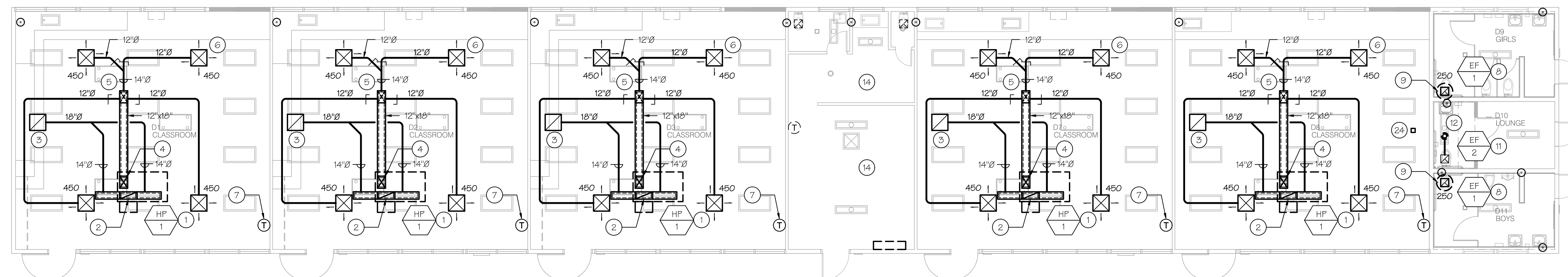


JAMES PATRICK FOGARTY, AIA
 ARCHITECT C-19670

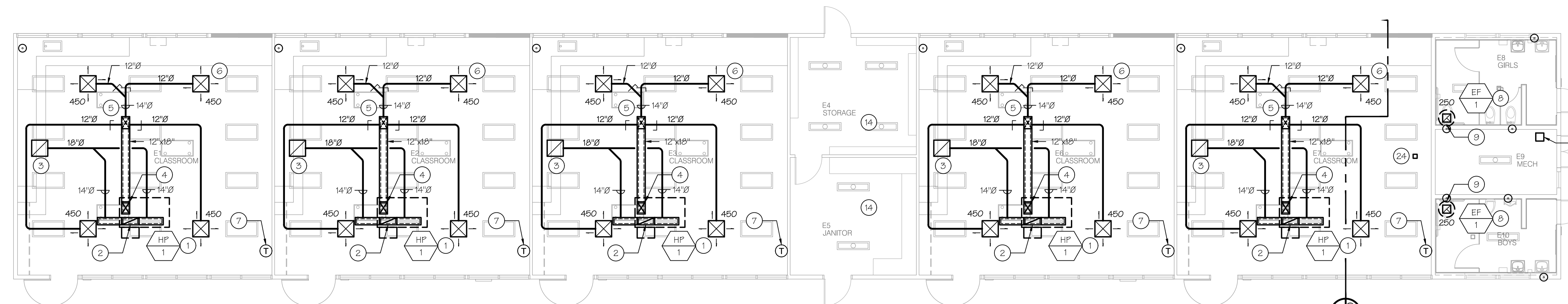
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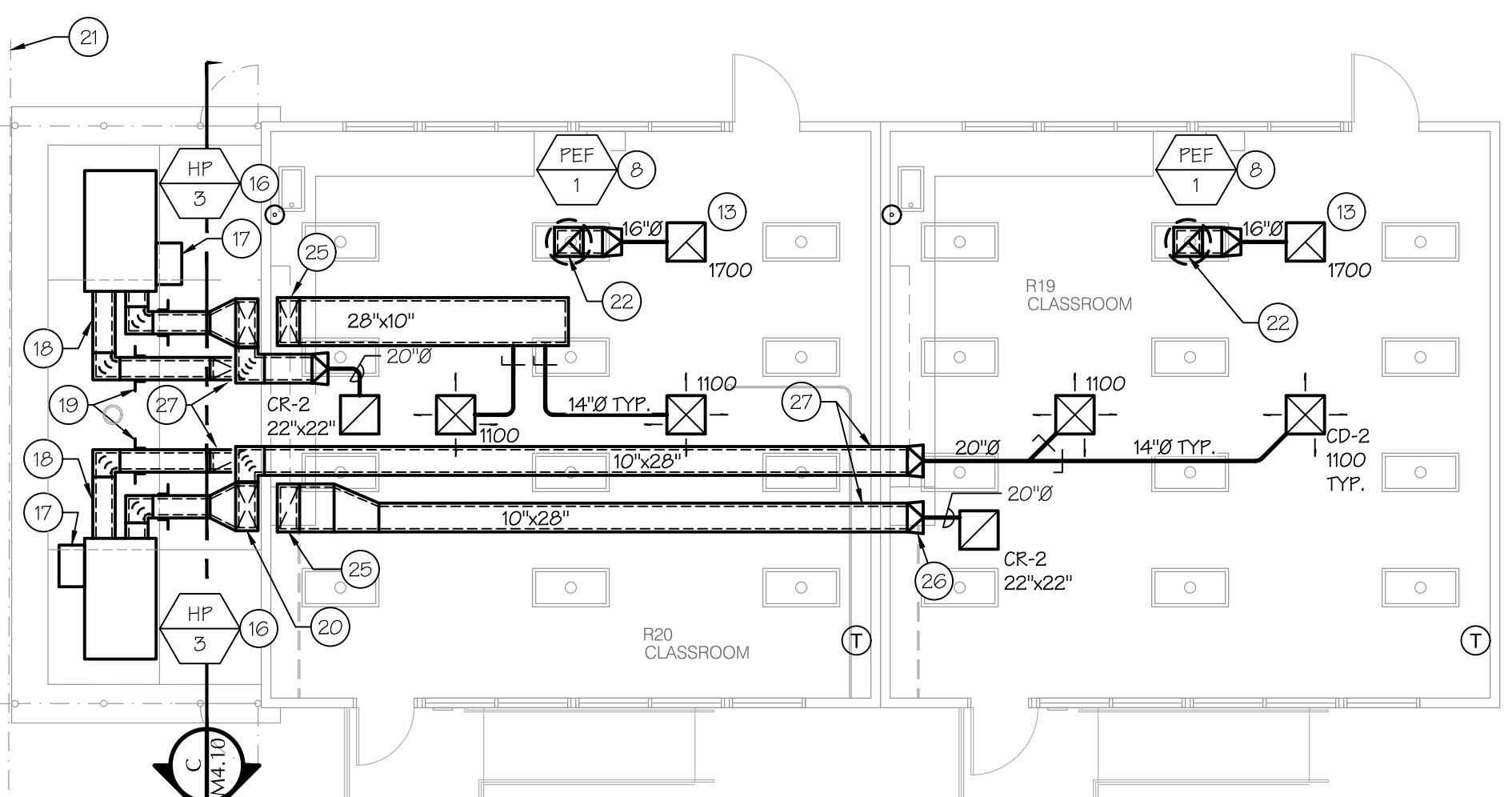
MECHANICAL FLOOR PLAN - BUILDING C
 SCALE: 1/8"=1'-0"



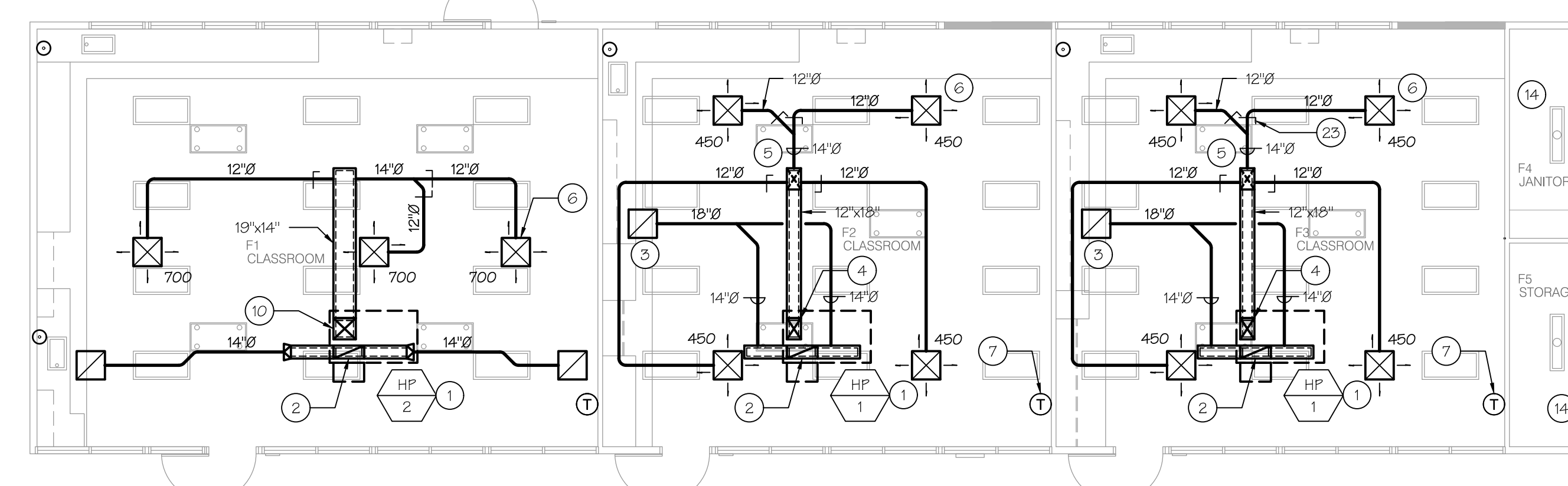
MECHANICAL FLOOR PLAN - BUILDING D
 SCALE: 1/8"=1'-0"



MECHANICAL FLOOR PLAN - BUILDING E
 SCALE: 1/8"=1'-0"



MECHANICAL FLOOR PLAN - BUILDING R19/R20
 SCALE: 1/8"=1'-0"



MECHANICAL FLOOR PLAN - BUILDING F
 SCALE: 1/8"=1'-0"

- MECHANICAL FLOOR PLAN KEYNOTES:**
- 1 ROOF MOUNTED HP UNIT. SEE MECHANICAL ROOF PLAN.
 - 2 26" X 11" RETURN AIR RISER WITH 1" LINER, 26" X 13" NET. AT BOTTOM OF RISER PROVIDE MITERED LINED TEE FITTING WITH 11" X 14" IN EACH DIRECTION. SEE DETAIL CM4.11.
 - 3 CR-1 TYPICAL.
 - 4 12" X 18" SUPPLY AIR DROP WITH 1" LINER, 14" X 20" NET.
 - 5 ELBOW DOWN TO BELOW TRUSS SPACE.
 - 6 CD-1 TYPICAL. SEE DETAIL AM4.11.
 - 7 T-STAT LOCATION TYPICAL. CLASSROOMS USE PELICAN TS250 WITH CO2 SENSOR AND DEMAND CONTROL VENTILATION. SEE DETAIL DM4.11.
 - 8 ROOF MOUNTED EXHAUST FAN. SEE MECHANICAL ROOF PLAN.
 - 9 8" X 8" EXHAUST DUCT DROP WITH 1" LINER, 10" X 10" NET, WITH CE-1, 10" X 10" EXHAUST GRILLE.
 - 10 14" X 19" SUPPLY AIR DROP WITH 1" LINER, 16" X 21" NET.
 - 11 CEILING EXHAUST FAN.
 - 12 6" ROUND DUCT THRU ROOF TO ROOF CAP.
 - 13 CE-3 CEILING EXHAUST GRILLE.
 - 14 NO MECHANICAL WORK IN THIS ROOM.
 - 15 PELICAN WIRELESS GATEWAY w/ 115 PLUG CONNECTED TO WALL OUTLET AND CONN. TO LOCAL ROUTER. PROVIDE WALL MTD. BRACKET. SEE DETAILS EAF/M4.11.
 - 16 AC UNIT MOUNTED AT GRADE. SEE DETAIL BM4.10.
 - 17 ECONOMIZER.
 - 18 10" X 26" SUPPLY AND RETURN DUCTS WITH 2" LINER, 14" X 30" NET.
 - 19 DUCT SUPPORTS. SEE DETAIL HM4.11.
 - 20 SUPPLY AND RETURN DUCT RISERS UP EXTERIOR WALL. SEE CM4.10.
 - 21 CHAIN LINK FENCE LINE.
 - 22 14" X 14" EXHAUST RISER WITH 1" LINER, 16" X 16" NET.
 - 23 BRANCH DUCT VOLUME DAMPER, TYP. SEE DETAIL BM4.11.
 - 24 LOCATE RELAY MODULE FOR CONTROL OF EXHAUST FANS ABOVE CEILING. SEE DETAIL FM4.11.
 - 25 10" X 26" RISE FROM SOFFIT SPACE BETWEEN EXTERIOR WALL AND 2x6 CEILING. JOIST, TYP.
 - 26 TRANSITION TO 20" X 20" TYP.
 - 27 10" X 26" DUCTS w/ 2" LINER, 14" X 20" NET. ROUTE THRU SHEAR WALL. LOCATE BETWEEN (E)FRAMING.

PROJECT INFO

Project No	566-0018
Date	09.14.22
DSA File No	15-4
DSA No	03-122640

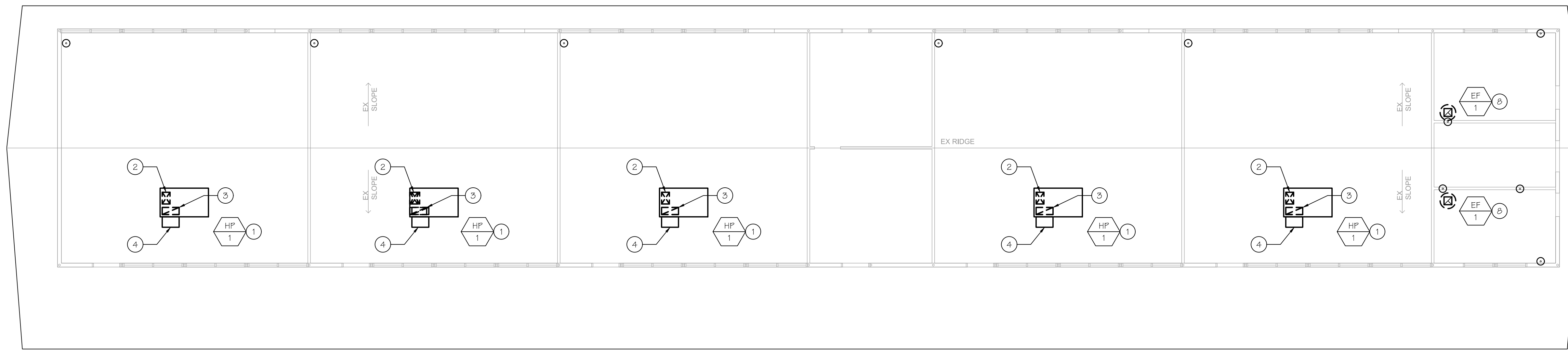
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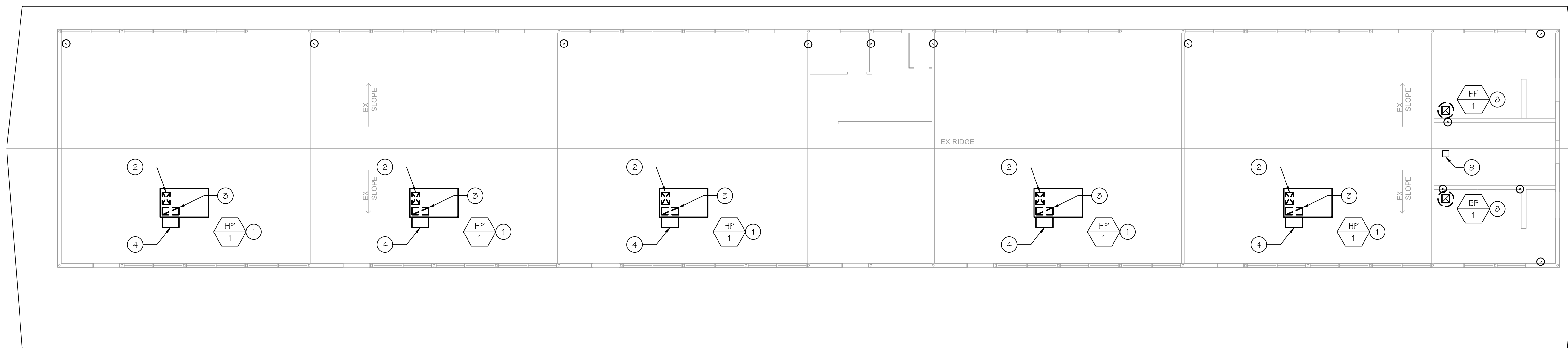
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MECHANICAL FLOOR PLAN

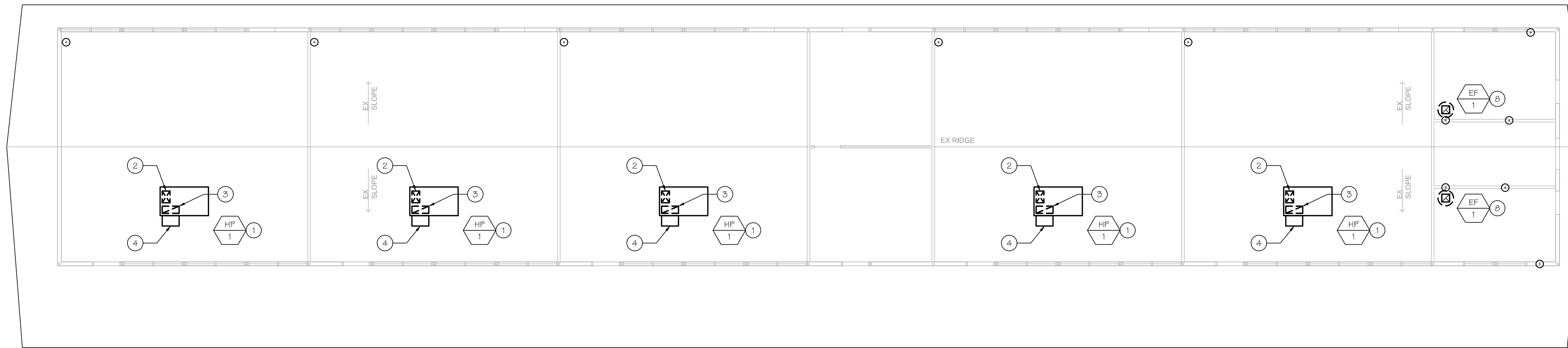
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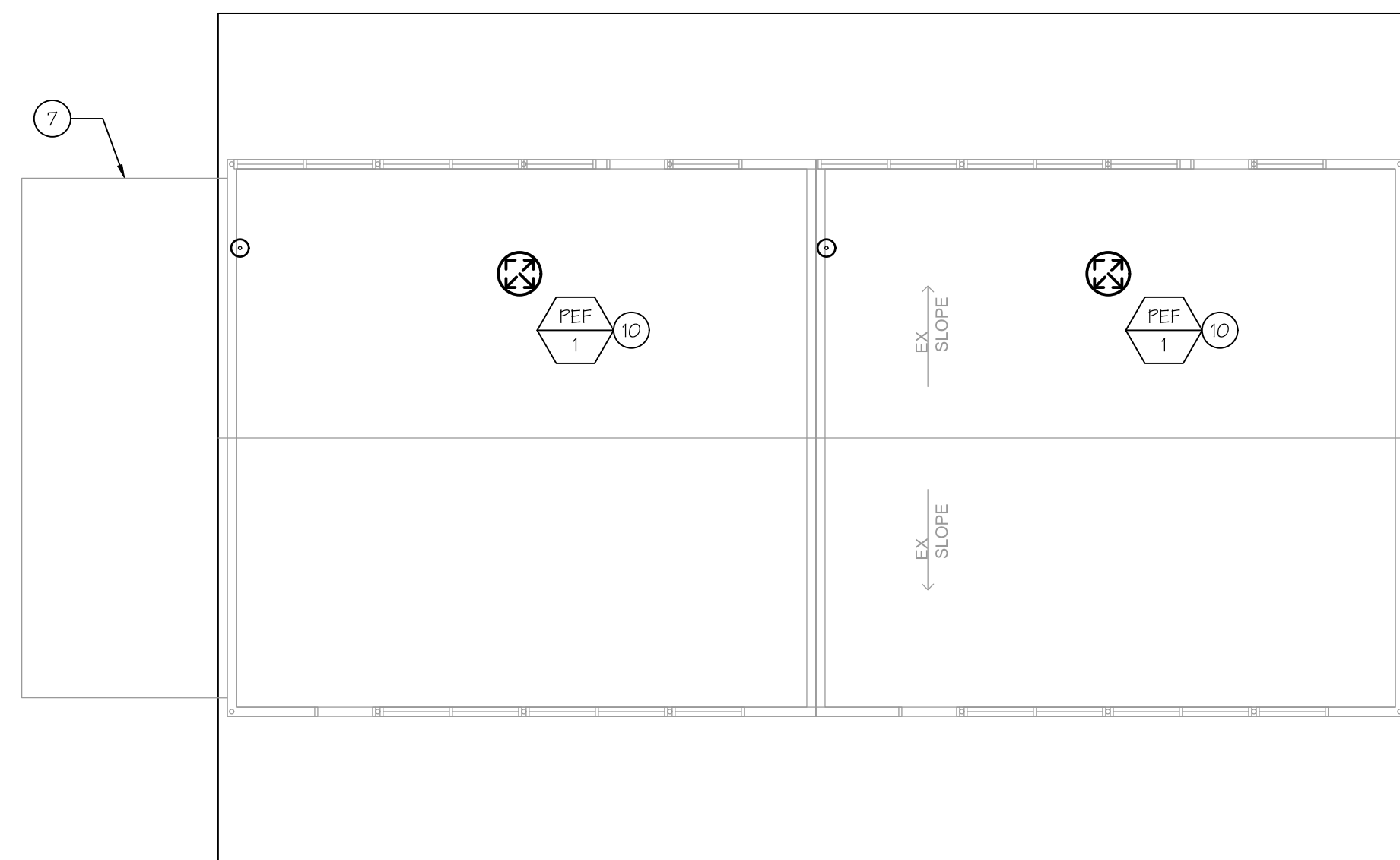
MECHANICAL ROOF PLAN - BUILDING C
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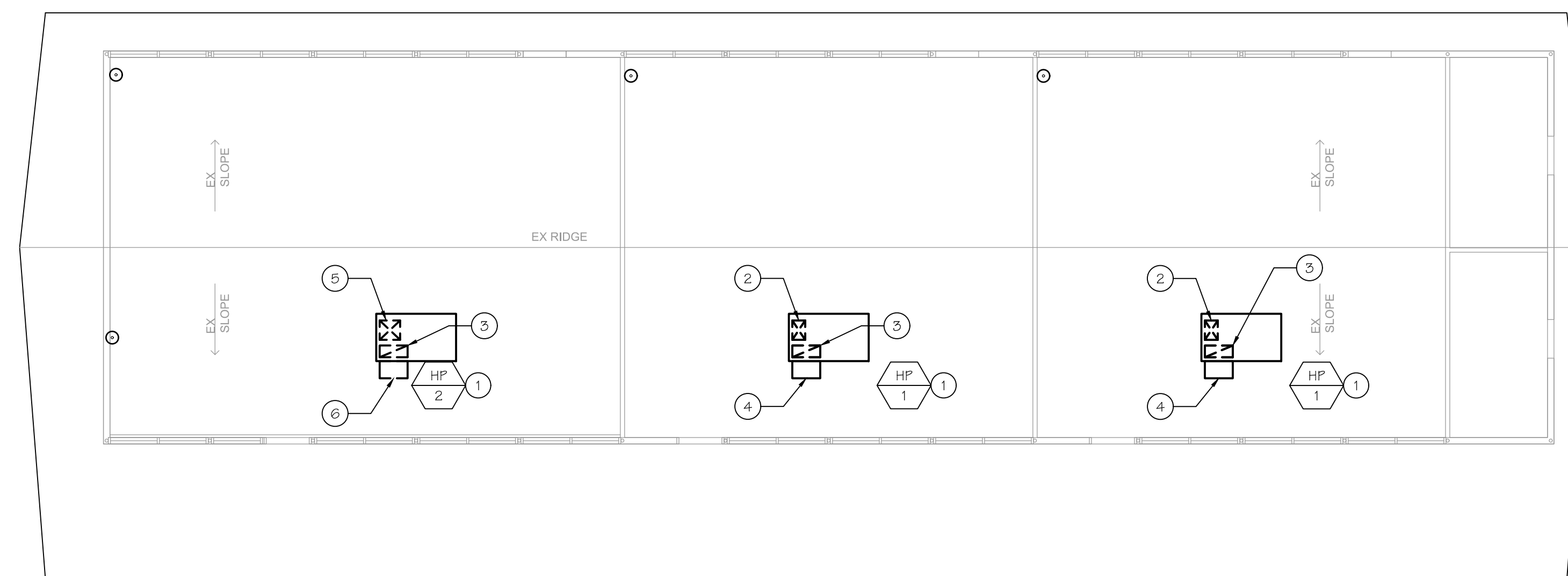
MECHANICAL ROOF PLAN - BUILDING D
SCALE: 1/8"=1'-0"



MECHANICAL ROOF PLAN - BUILDING E
SCALE: 1/8"=1'-0"



MECHANICAL ROOF PLAN - BUILDING R19/R20
SCALE: 1/8"=1'-0"



MECHANICAL ROOF PLAN - BUILDING F
SCALE: 1/8"=1'-0"

- MECHANICAL ROOF PLAN KEYNOTES:**
- 1 NEW HP UNIT ON SLOPED ROOF CURB. SEE DETAIL A/M4.10
 - 2 12" X 18" SUPPLY DUCT DROP THRU ROOF WITH 1" LINER, 14" X 20" NET.
 - 3 28" X 11" RETURN DUCT RISER THRU ROOF WITH 1" LINER, 28" X 18" NET.
 - 4 ECONOMIZER WITH POWER EXHAUST MODULE. SET MINIMUM OUTSIDE EQUAL TO 150 CFM WITH DEMAND CONTROL VENTILATION OVERRIDE TO 400 CFM.
 - 5 14" X 18" SUPPLY DUCT DROP THRU ROOF WITH 1" LINER, 16" X 21" NET.
 - 6 ECONOMIZER WITH POWER EXHAUST MODULE. SET MINIMUM OUTSIDE EQUAL TO 200 CFM WITH DEMAND CONTROL VENTILATION OVERRIDE TO 500 CFM.
 - 7 SEE SHEET M2.20 FOR GROUND MOUNTED HP UNITS IN THIS AREA THAT SERVE BUILDING R19/R20.
 - 8 NEW ROOF MOUNTED EXHAUST FAN WITH 8" X 8" LINED EXHAUST RISER THRU ROOF, 10" X 10" NET. SEE DETAIL G/M4.11.
 - 9 NEW ROOF CAP FOR CEILING EXHAUST FAN.
 - 10 NEW POWER EXHAUST FAN WITH 16" X 16" LINED EXHAUST RISER, 18" X 18" NET. SEE DETAIL H/M4.11.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122640 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/09/2023

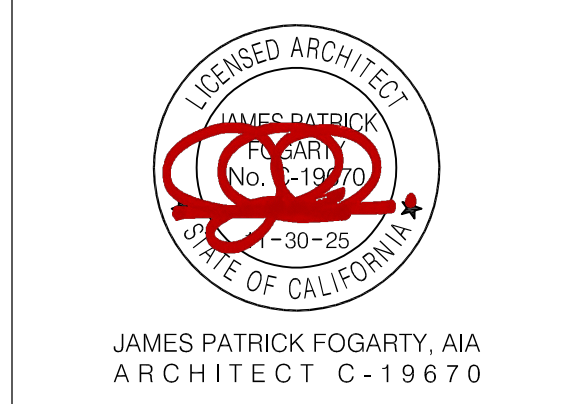


3434 Truxtun Avenue, Suite 240
Bakersfield, California, 93301
tel|661.327.1690 fax|661.327.7204
web|www.oiparchitects.net

CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School
807 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



CONSULTANT



PROJECT INFO

Project No	566-0018
Date	09.14.22
DSA File No	154
DSA No	03-122640

REVISIONS

No	Date	Item
1	00.00.08	DESCRIPTION

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**CAMPUS HVAC
 SYSTEM UPGRADE**

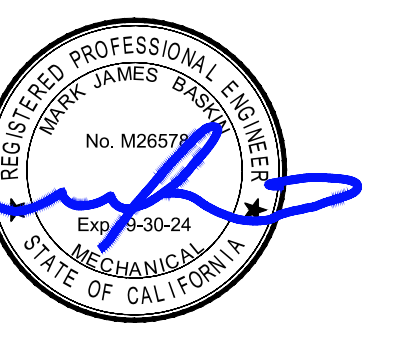
**Fremont Magnet
 Elementary School**
 607 Texas St Bakersfield, CA 93307
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
 ARCHITECT C-19670

CONSULTANT



PROJECT INFO

Project No	566-0018
Date	09.14.22
DSA File No	15-4
DSA No	03-122640

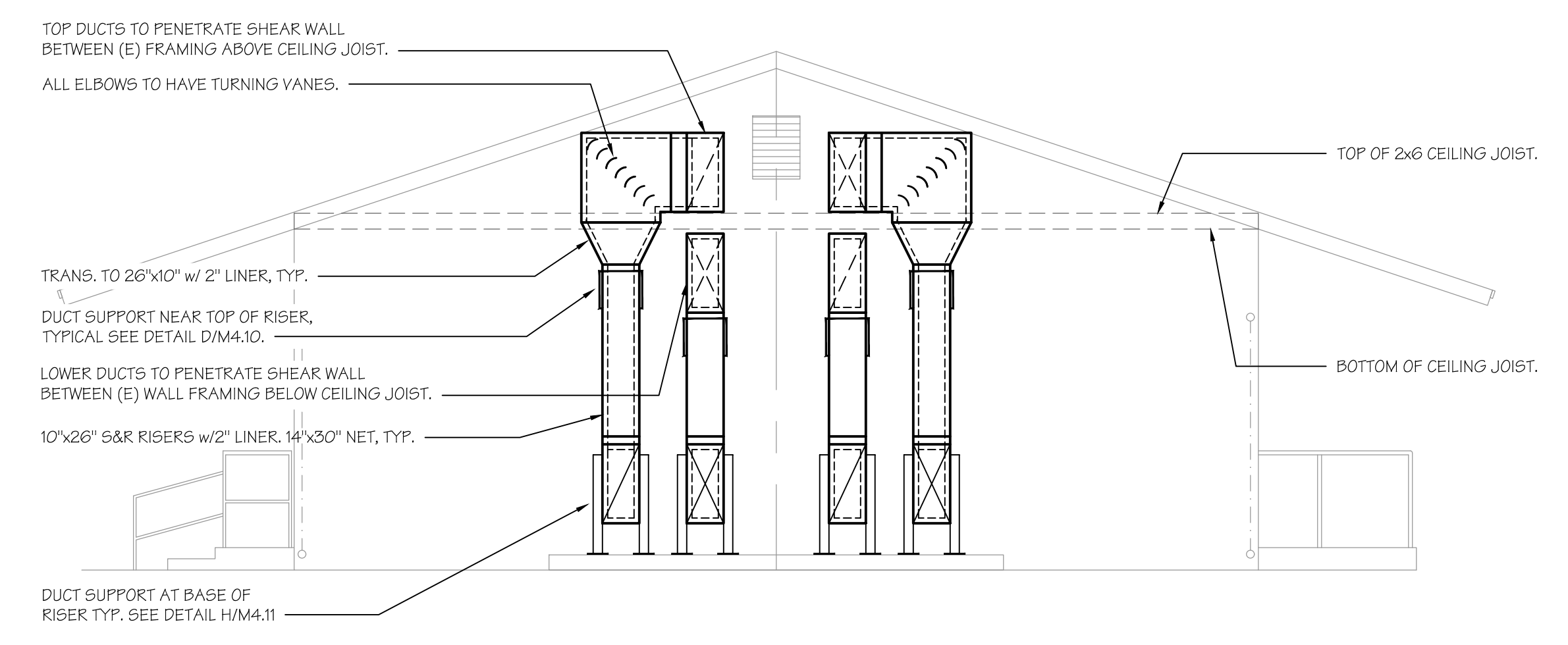
REVISIONS

No	Date	Item
1	00.00.08	DESCRIPTION

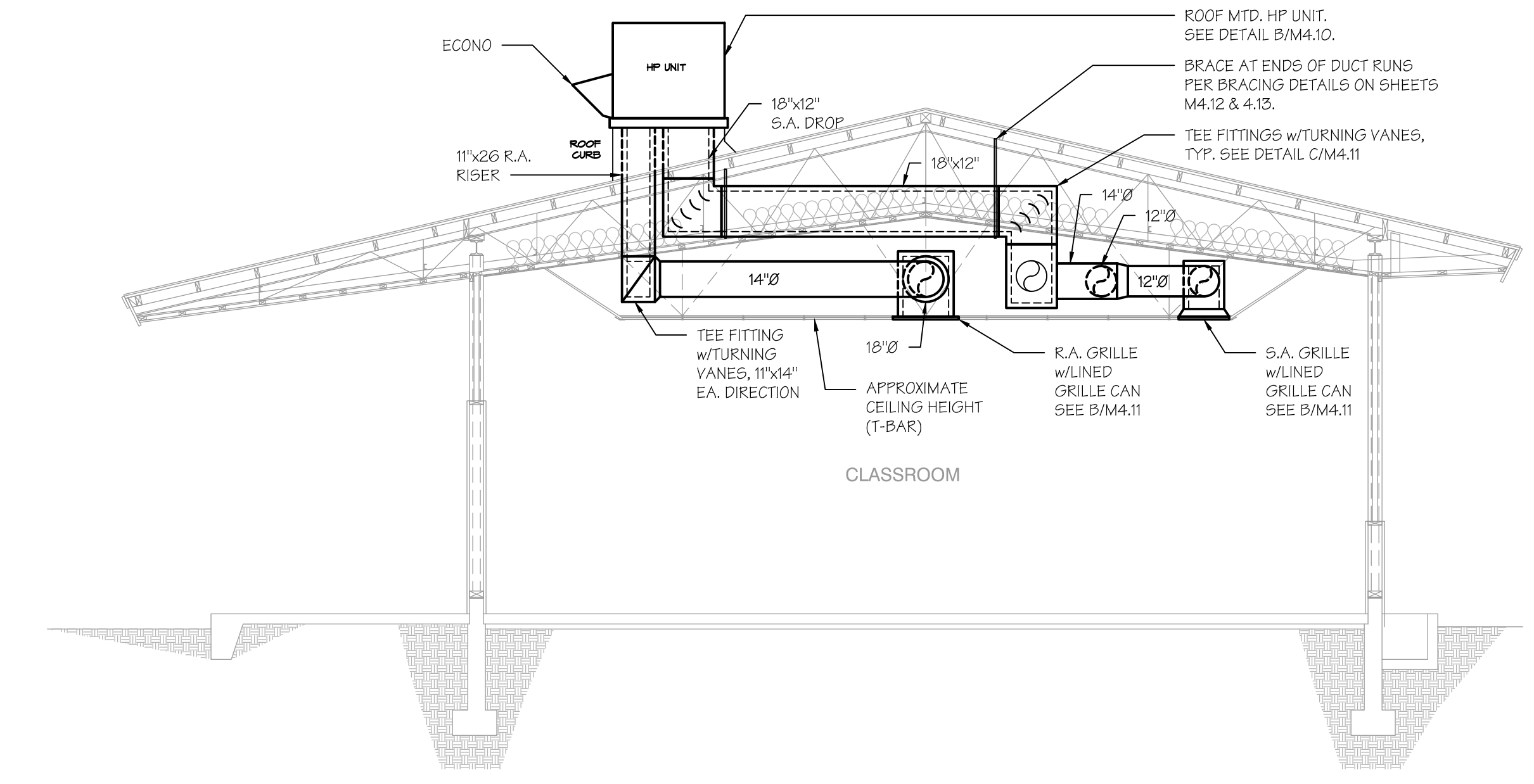
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MECHANICAL DETAILS AND SECTION

M4.10



MECHANICAL ELEVATION - BUILDING R19/R20
 SCALE: 1/4"=1'-0"



MECHANICAL SECTION - BUILDING C-F
 SCALE: 1/4"=1'-0"

MicroMetl Date: _____ Weight: 105lbs (US) 47.63kg (Metric) Part Number: CRBW-SRT12HA-1411
 RTU: _____ Approved by: _____ Notes: _____

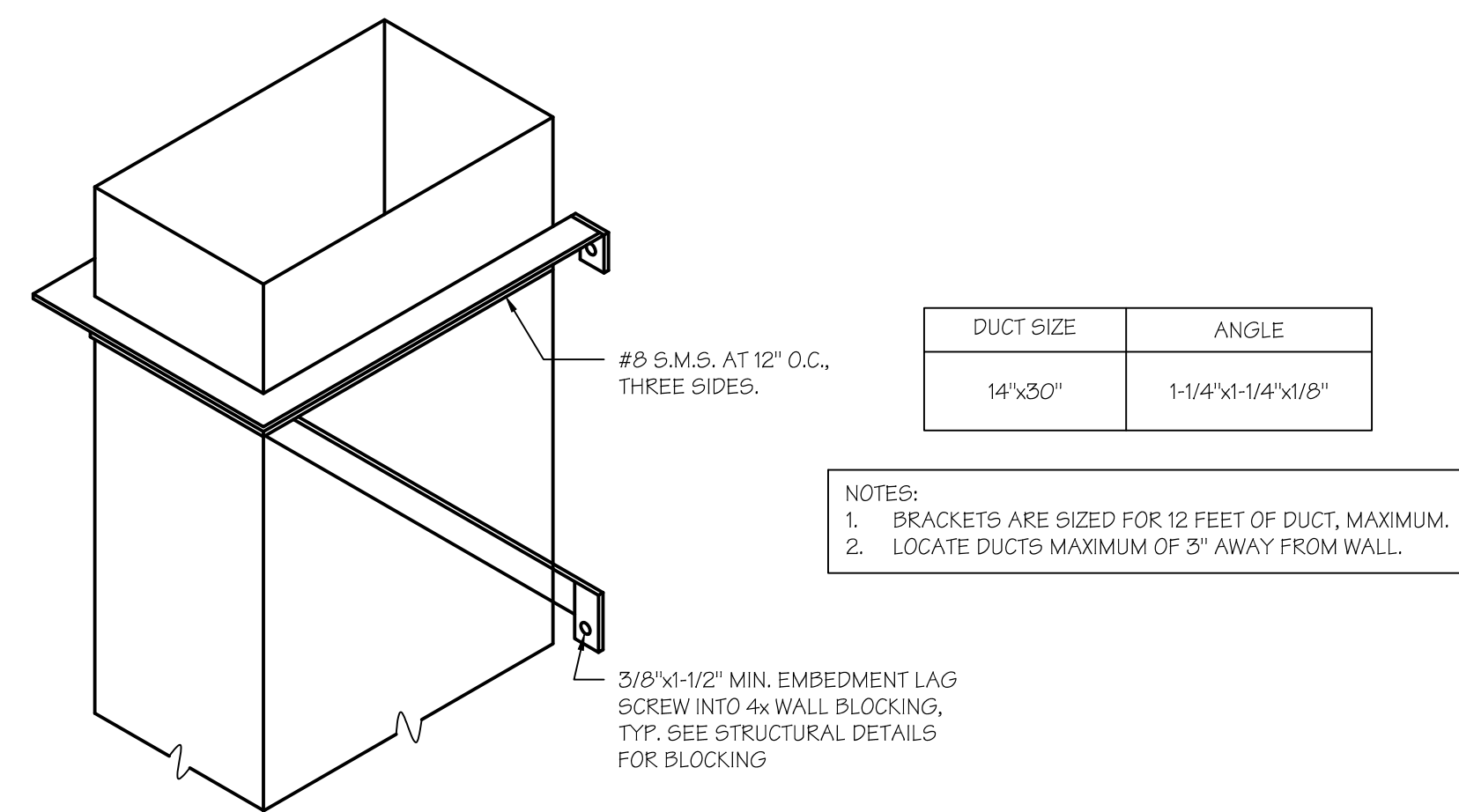
Submitted to: _____
 Welded Structurally Calculated Curb - 14 Inches Tall Non Insulated Full Perimeter Welded Structurally Calculated Curb Curb, California State Standard, Standard Seismic Criteria. "Structurally" Stamped By A Professional Engineer, Without Pitch, Insulated Deck Pan If Applicable. Includes Wood Nailers & Hold Down Brackets. Meets Seismic Requirements for 2022 CBC & 2021 IBC. Wind Design Criteria: 60 Foot Tall Building Mainum, Exposure C, 155 MPH - 3 Second Gust Speed, Risk Category III & IV.

FORM NO.: _____
 Curb End Detail, Microhold Detail, Welded Curb Corner Detail, Unit to Curb Attachment Detail.

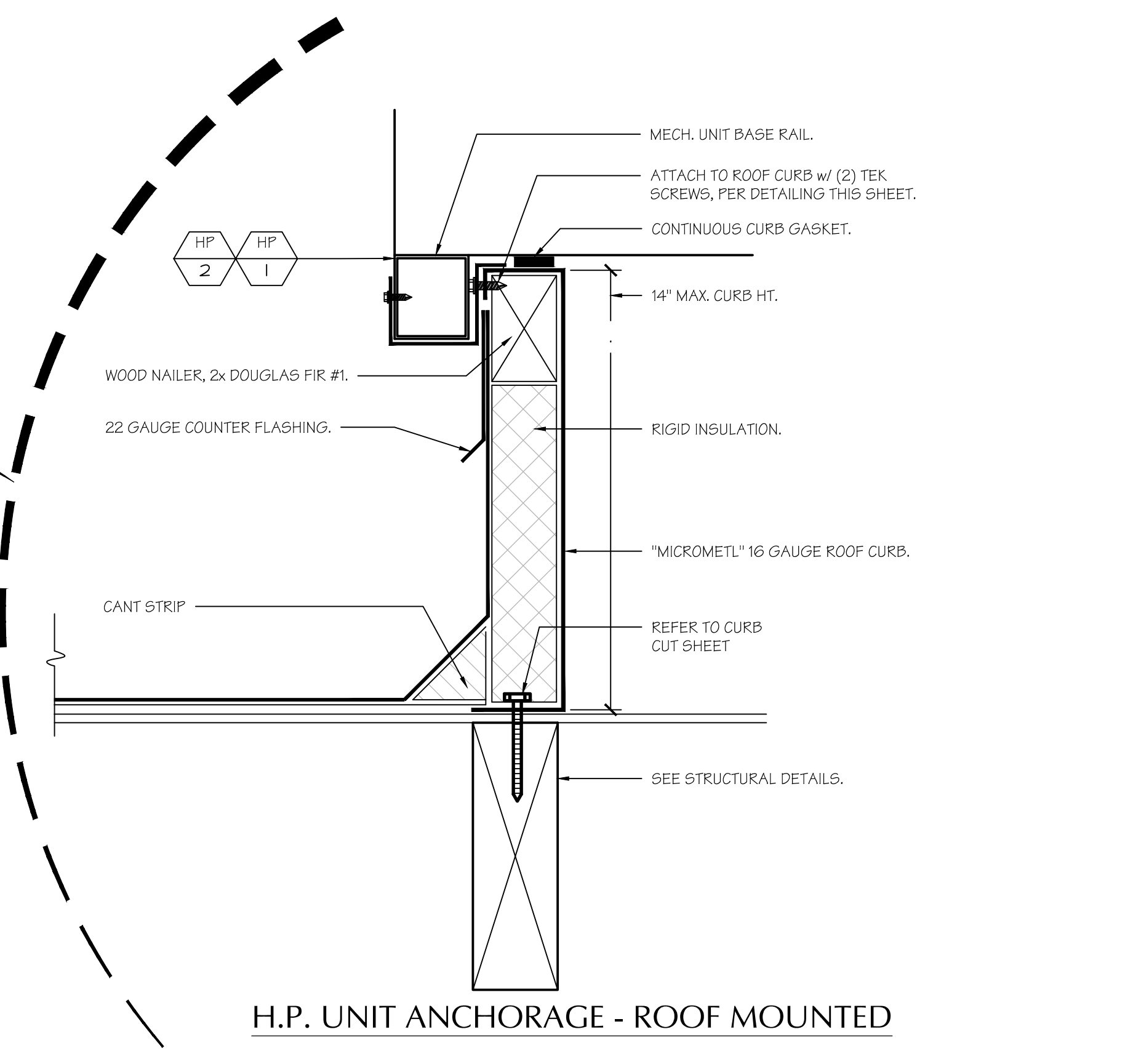
ANCHORAGE DETAILS TO ROOF: _____
 ANCHORAGE DETAILS TO GRADE: _____

MicroMetl Corporation
 Indianapolis, IN 46228-800 MMC-HVAC - Sparks, NV 89431, 800.884.4444 - Longview, TX 75802, 903.248.4800

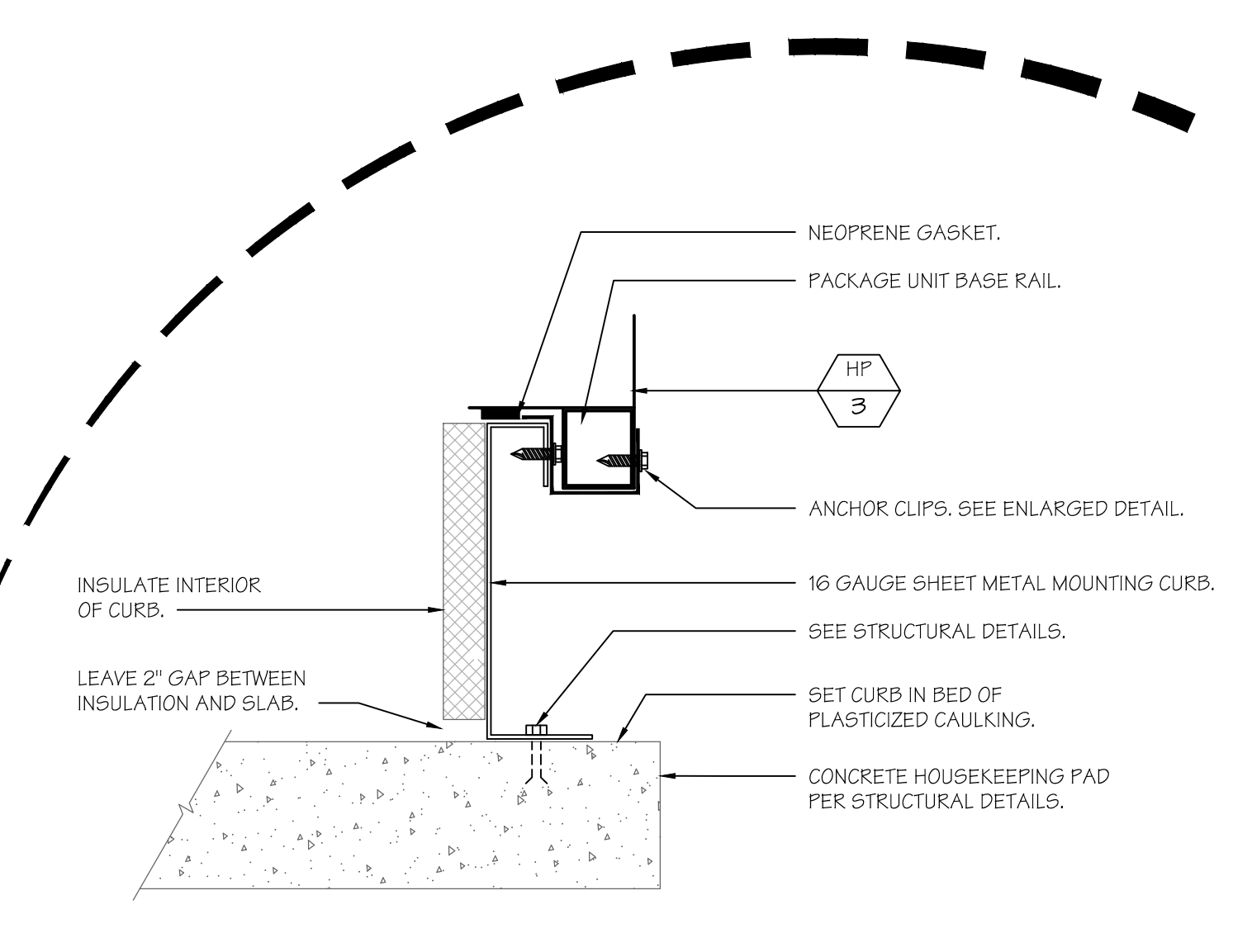
5,6 TON HP UNIT CURB 843 lb. MAX UNIT WT.



DUCT WALL SUPPORT
 SCALE: N.T.S.



H.P. UNIT ANCHORAGE - ROOF MOUNTED



H.P. UNIT ANCHORAGE - MOUNTED AT GRADE

H.P. UNIT ANCHORAGE
 SCALE: N.T.S.

**CAMPUS HVAC
 SYSTEM UPGRADE**

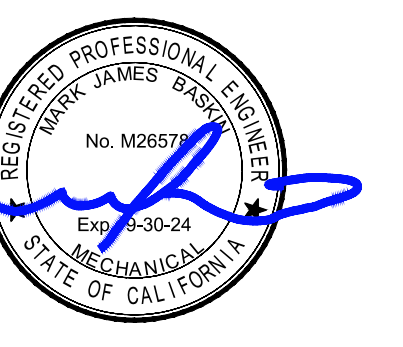
**Fremont Magnet
 Elementary School**
 607 Texas St Bakersfield, CA 93307
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
 ARCHITECT C-19670

CONSULTANT



PROJECT INFO

Project No	566-0018
Date	09.14.22
DSA File No	15-4
DSA No	03-122640

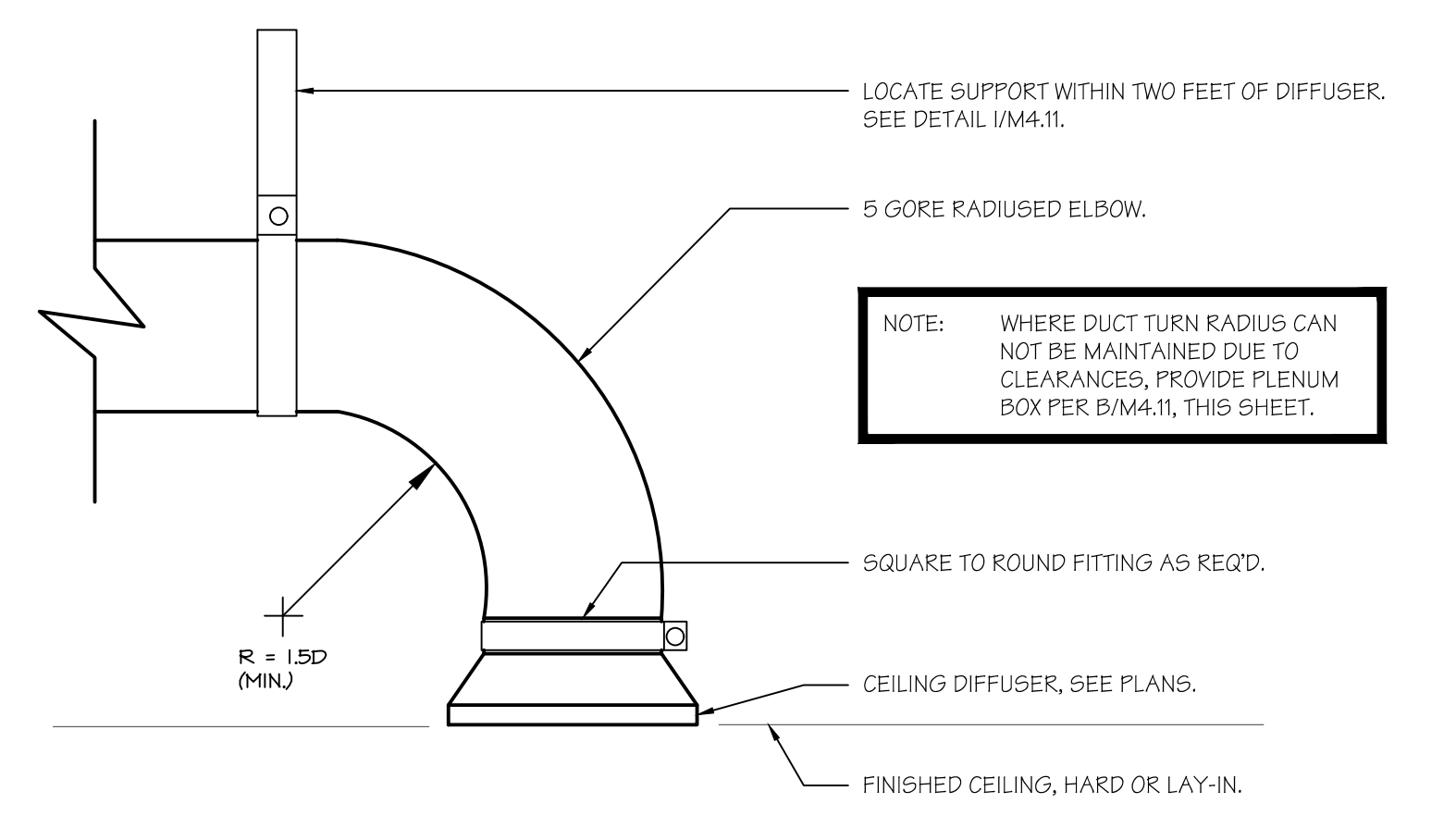
REVISIONS

No	Date	Item
△	00.00.08	DESCRIPTION

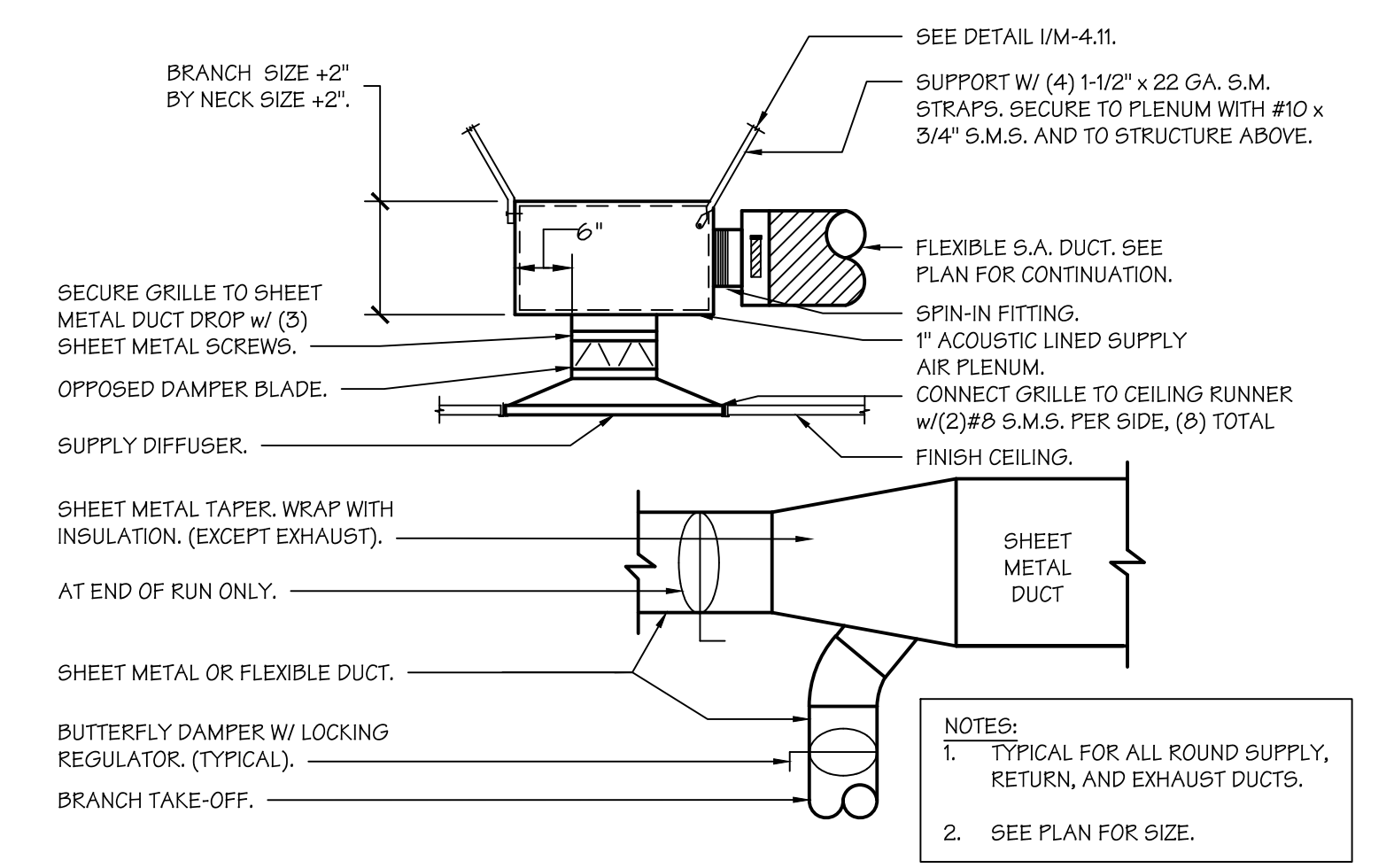
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MECHANICAL DETAILS

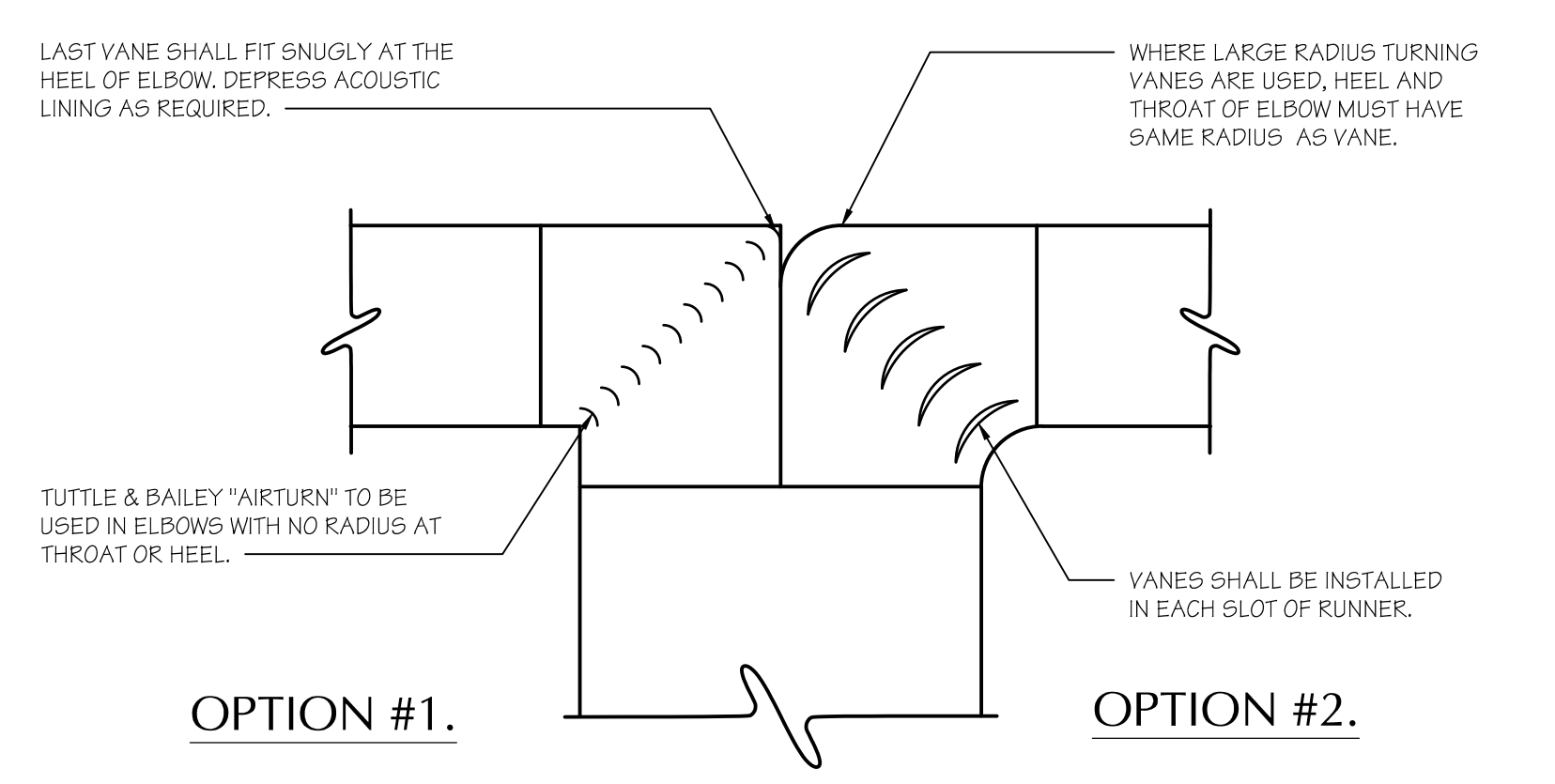
M4.11



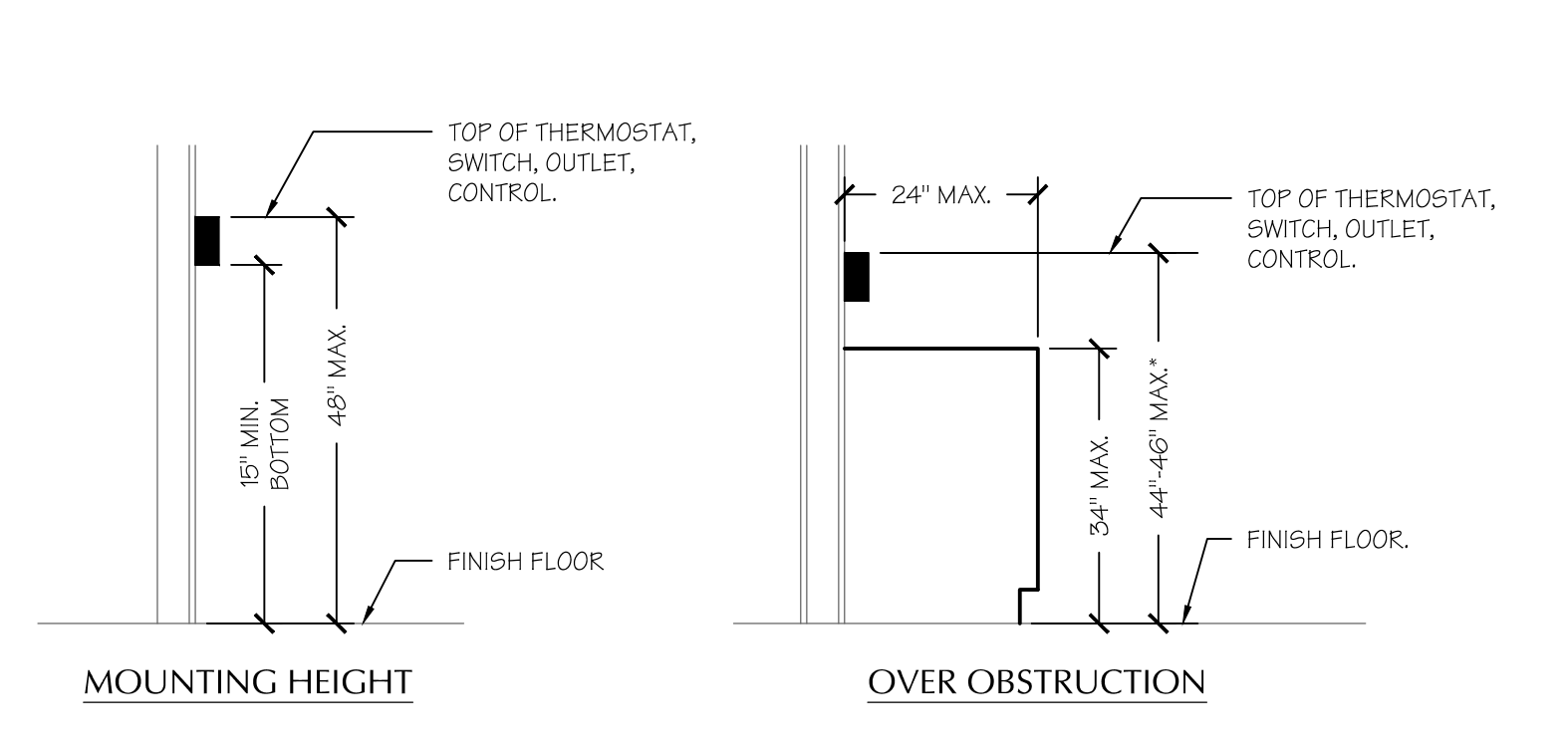
CEILING DIFFUSER/REGISTER CONNECTION
 SCALE: N.T.S.



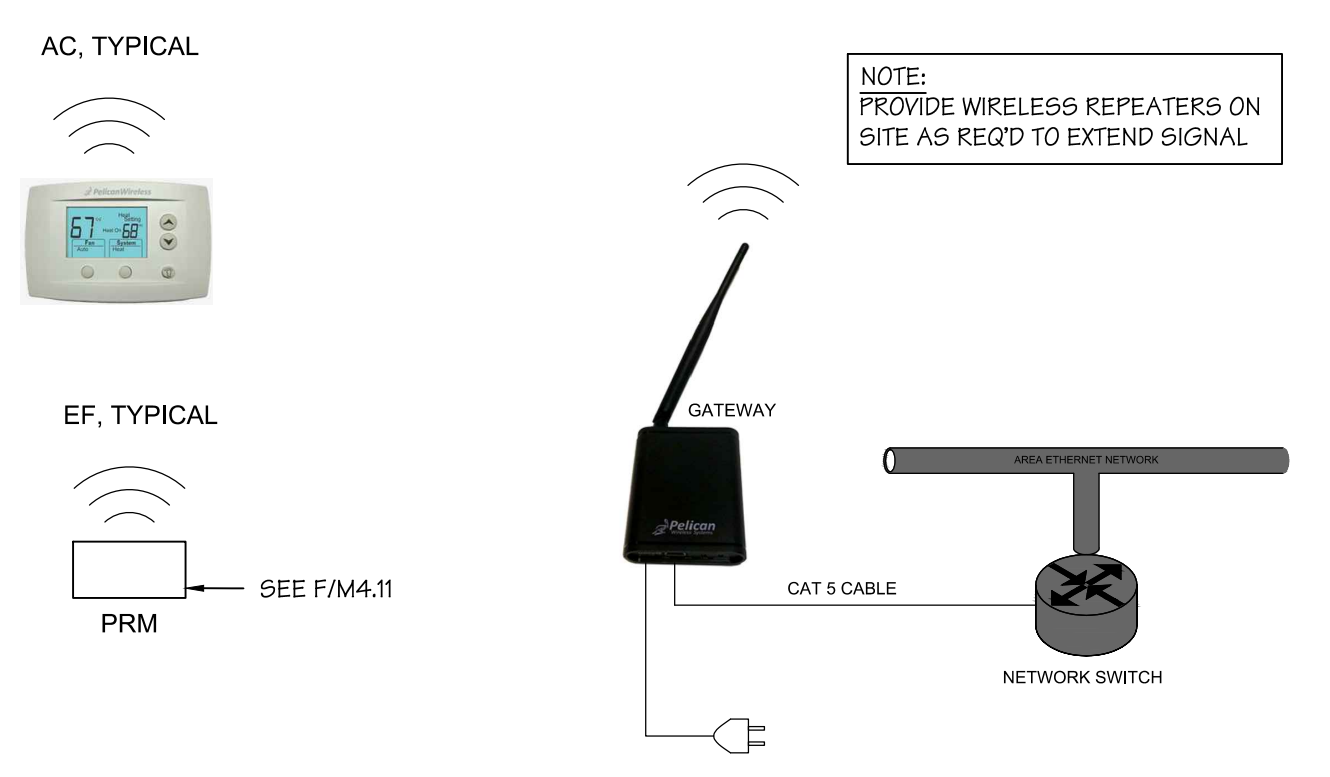
SUPPLY AIR PLENUM & BRANCH TAKE-OFFS
 SCALE: N.T.S.



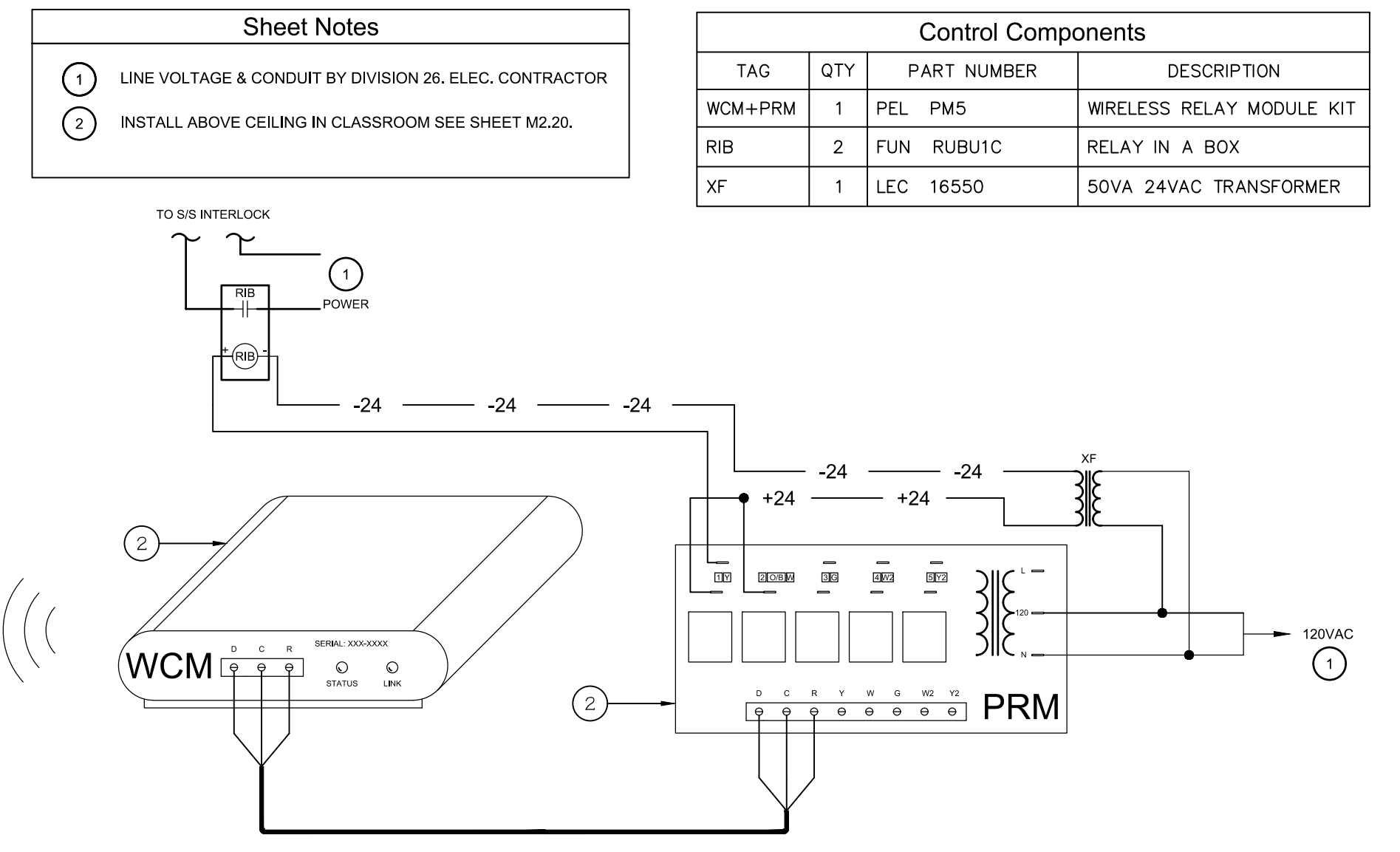
NINETY DEGREE ELBOW
 SCALE: N.T.S.



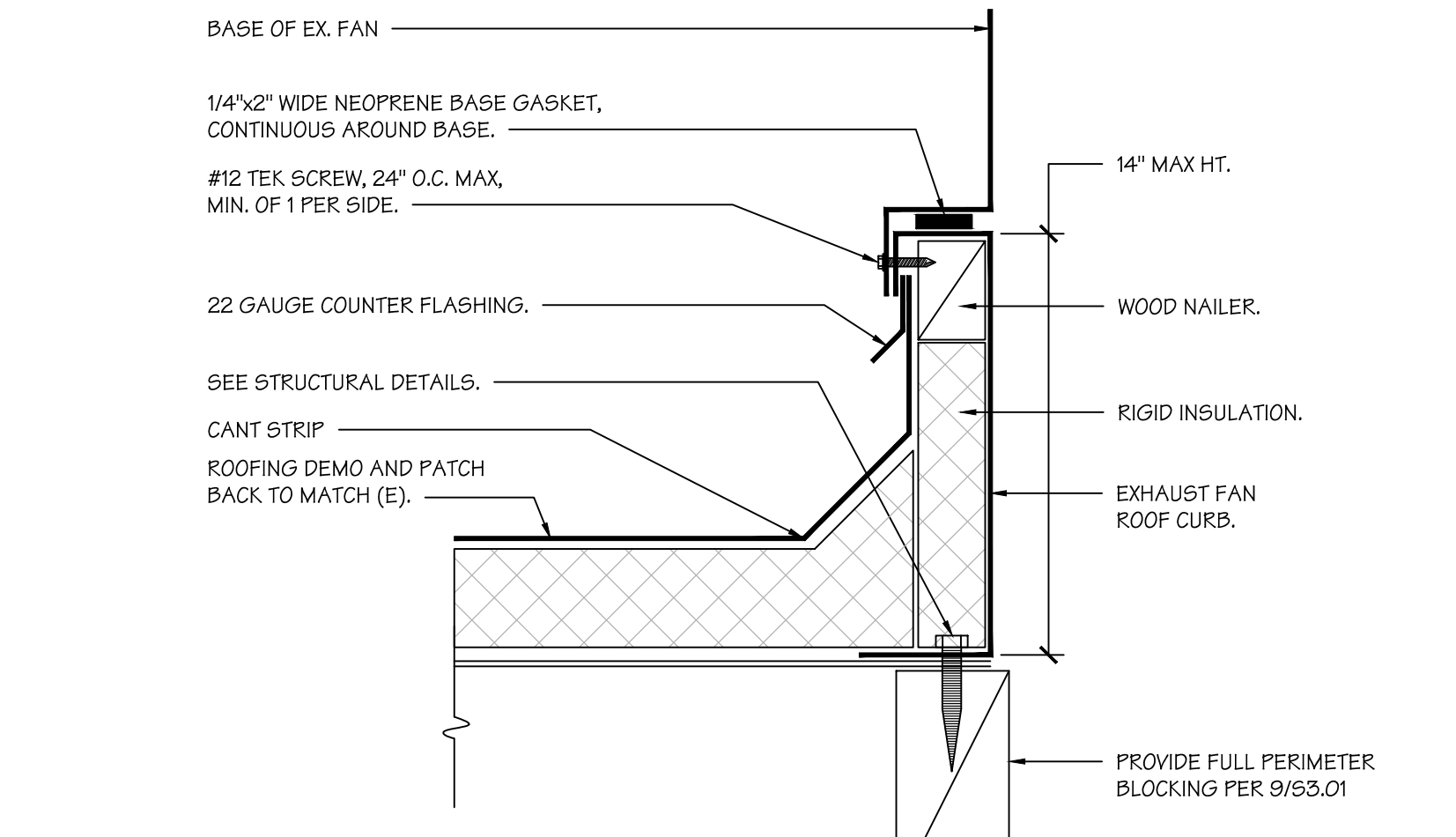
THERMOSTAT MOUNTING LOCATION
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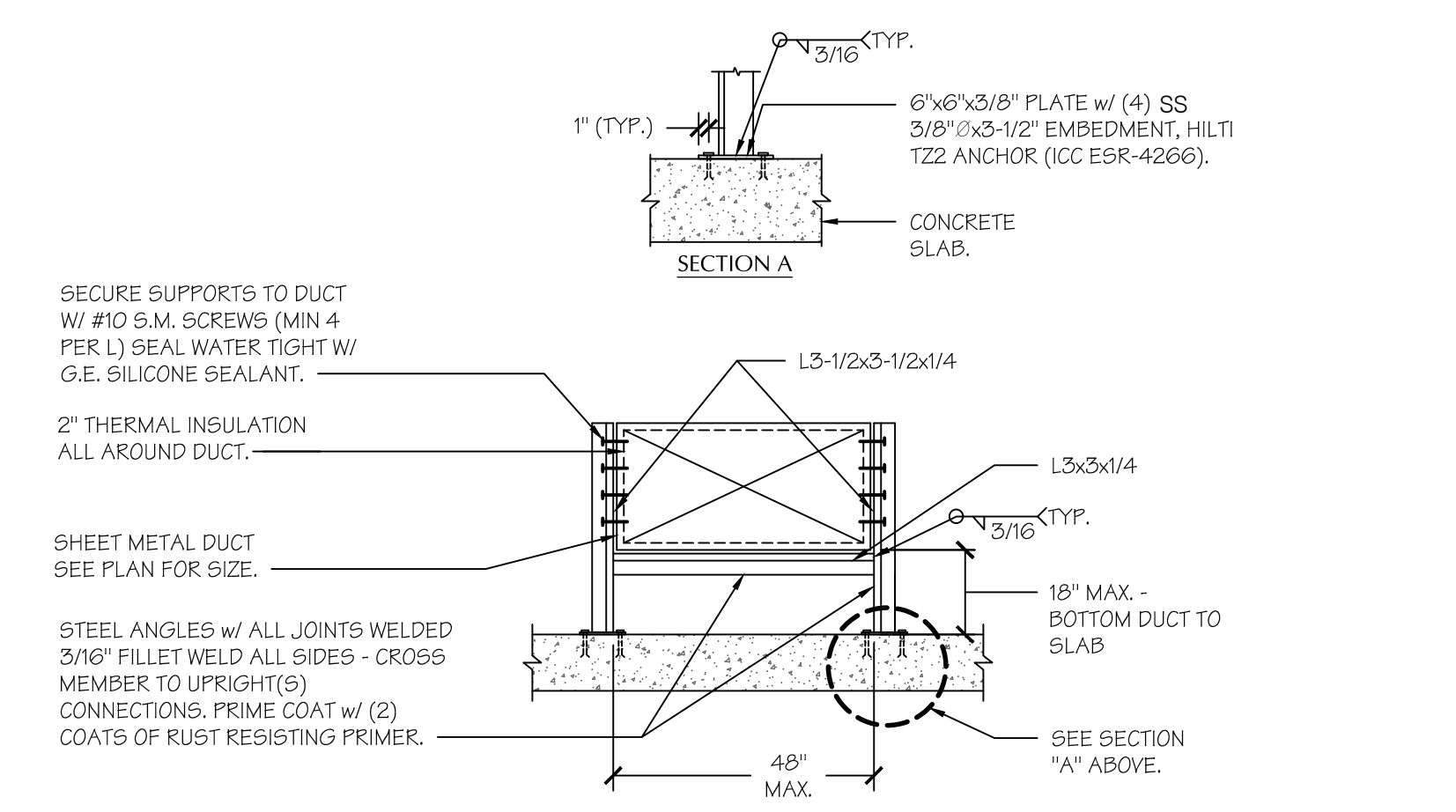
LAN ARCHITECTURE
 SCALE: N.T.S.



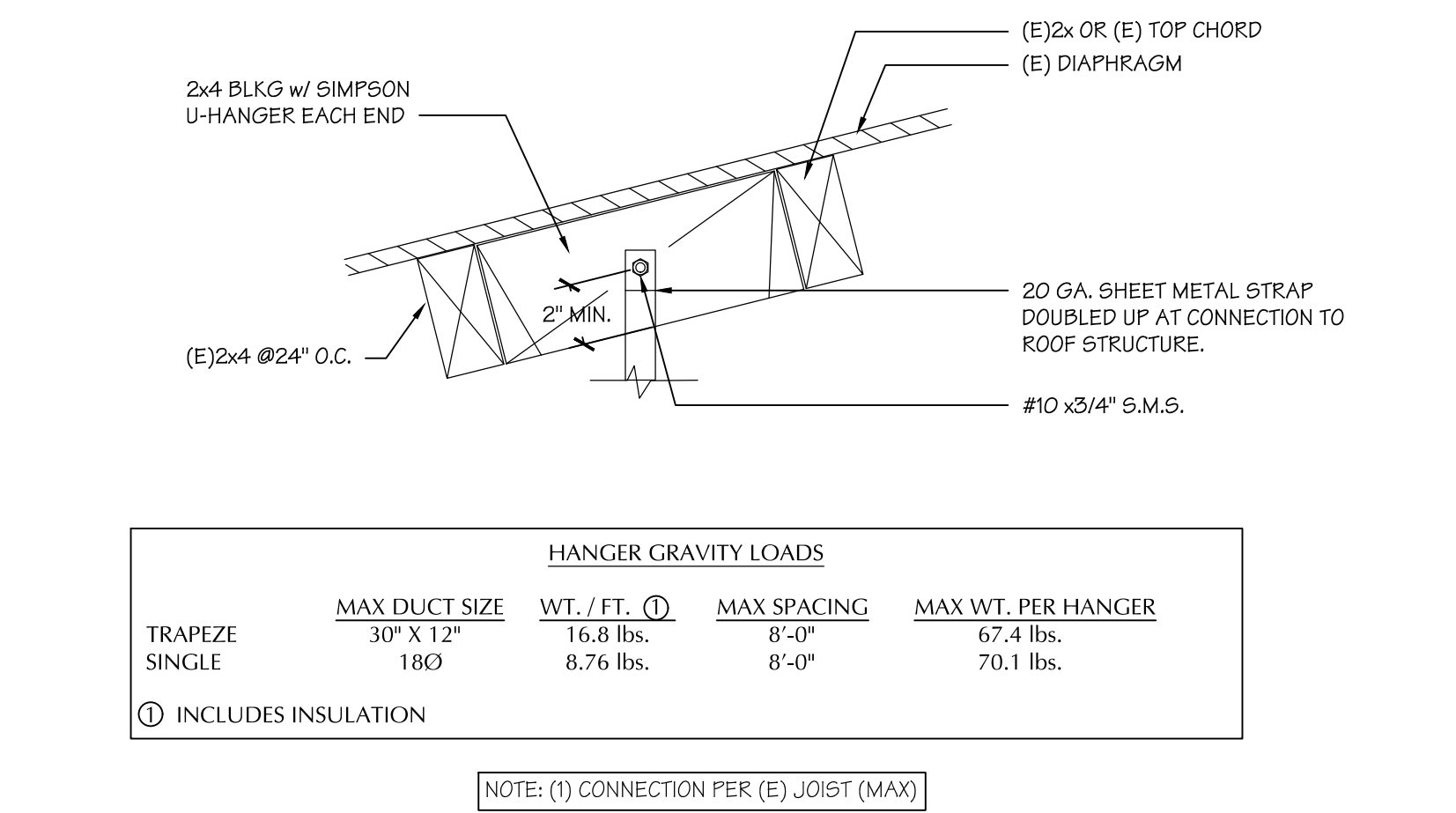
EX. FAN CONTROL DETAIL
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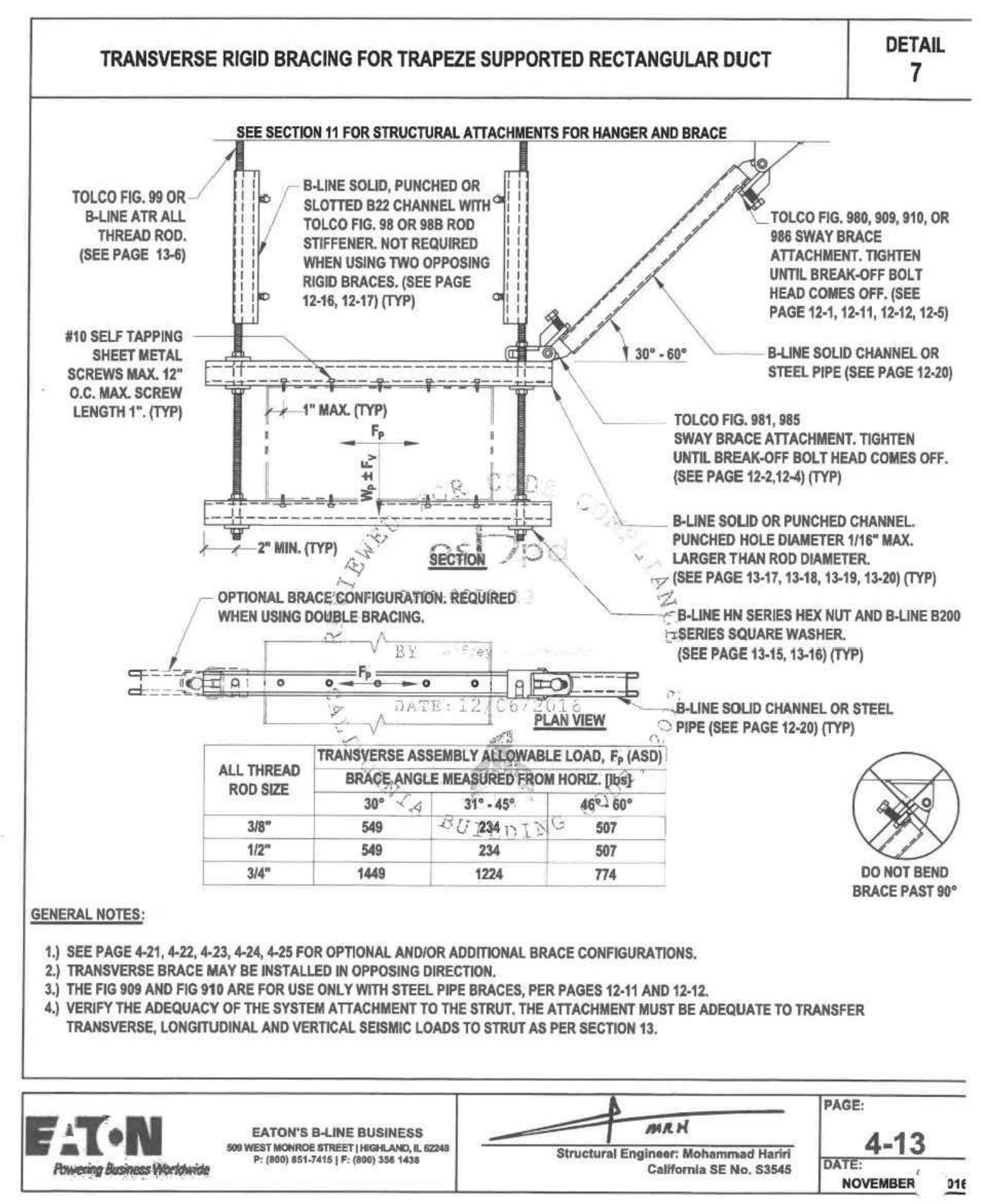
EXHAUST FAN ANCHORAGE
 SCALE: N.T.S.



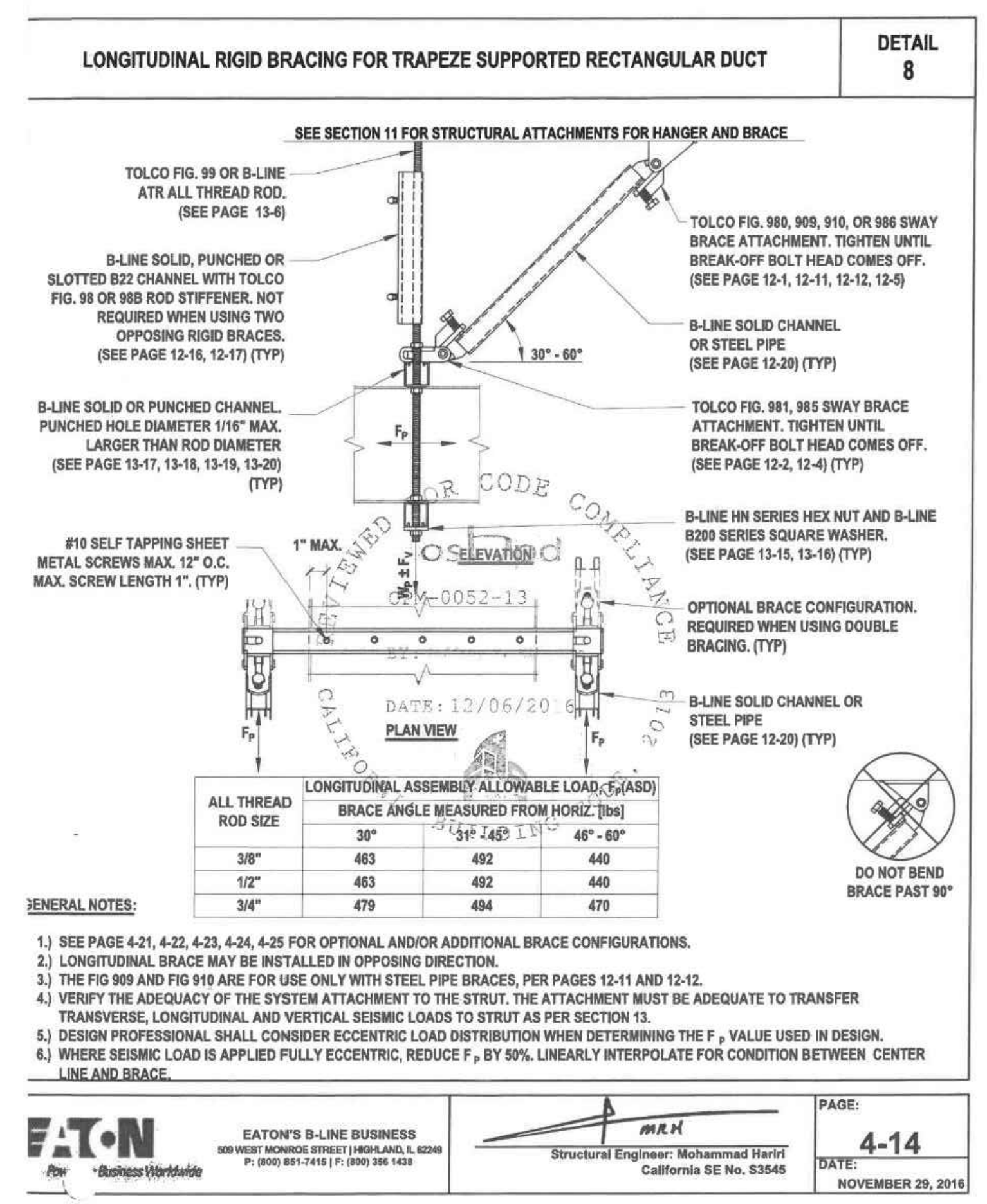
DUCT SUPPORT AT GRADE
 SCALE: N.T.S.



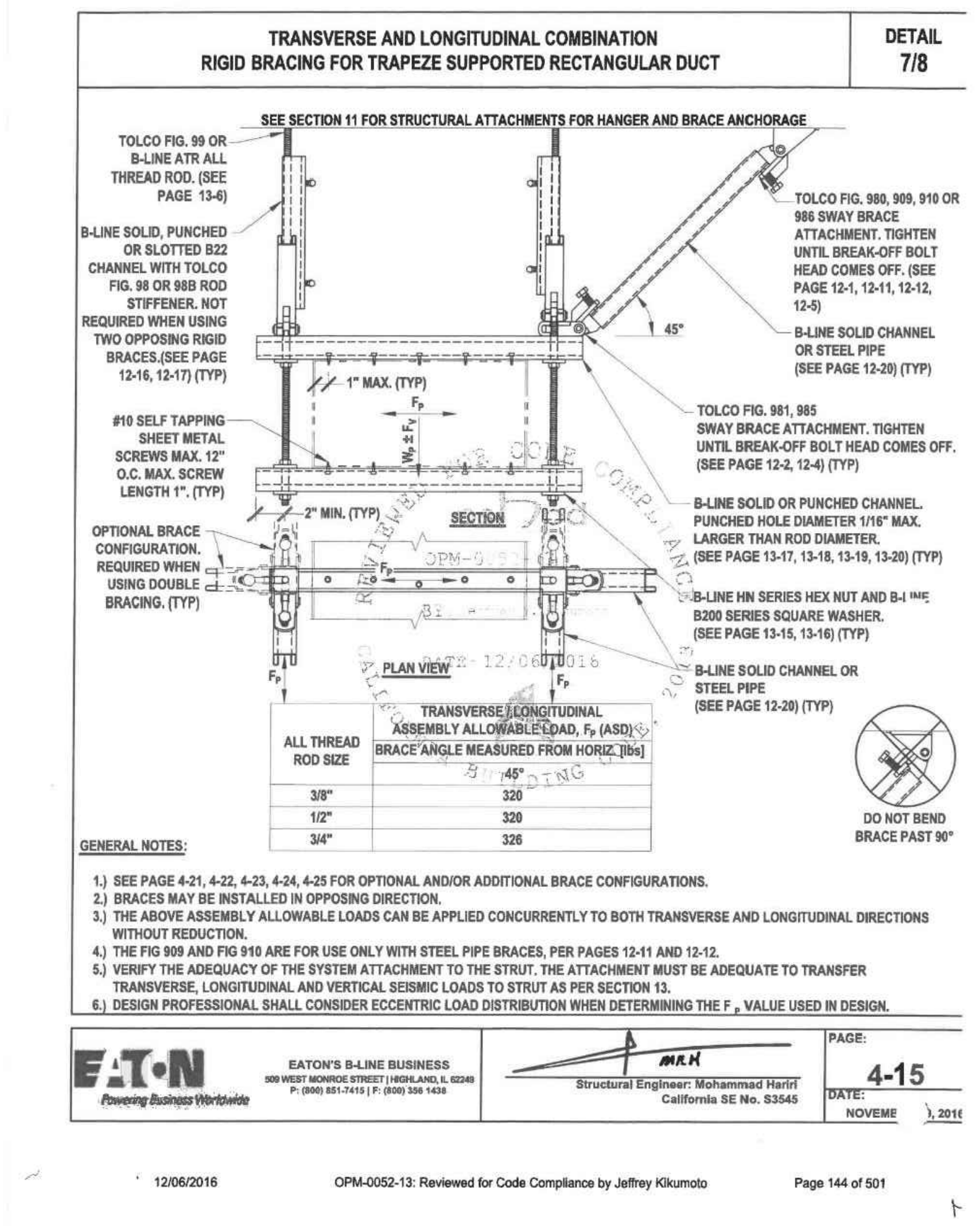
DUCT HANGER UPPER ATTACHMENT
 SCALE: N.T.S.



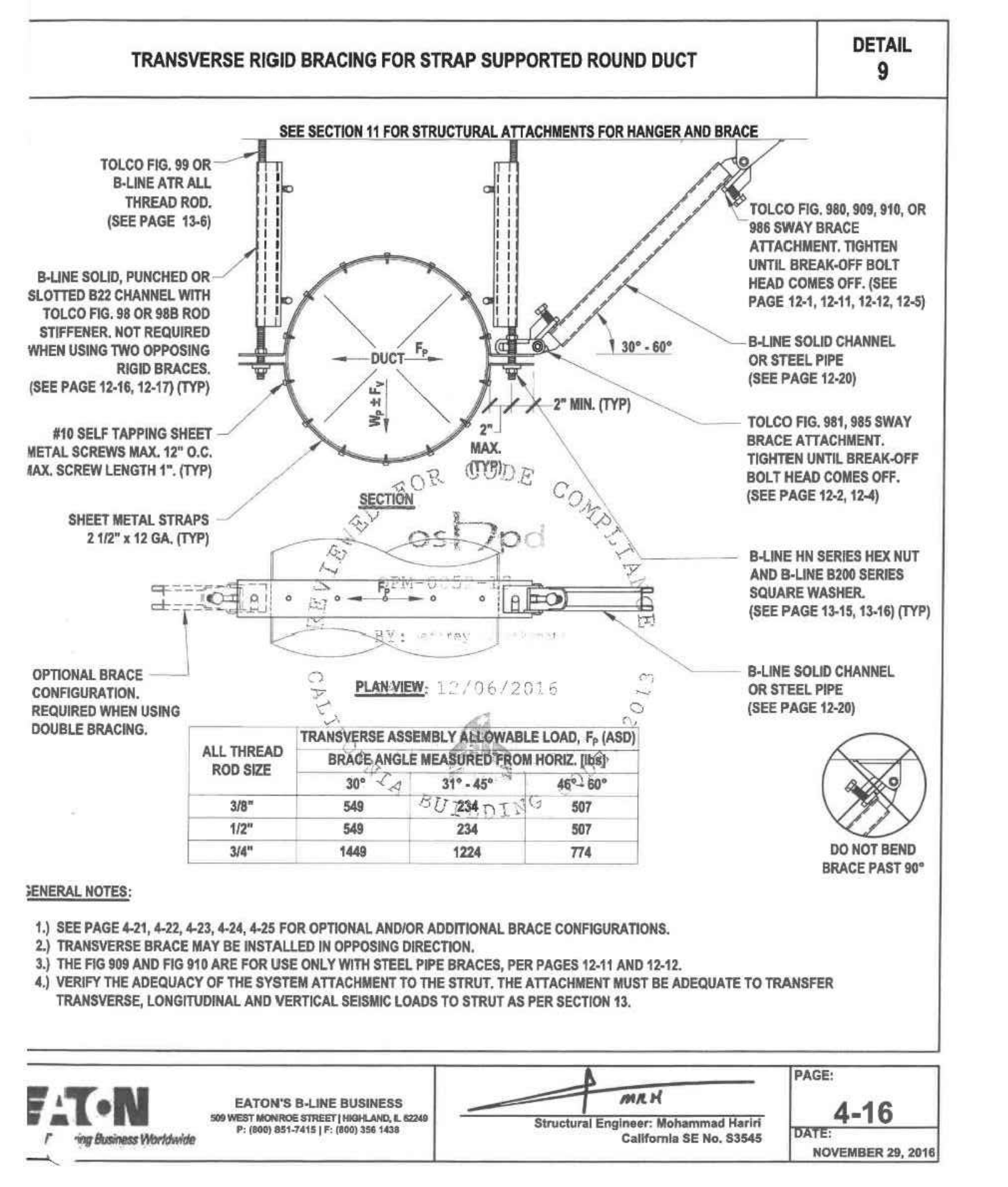
TRANSVERSE RIGID BRACING FOR TRAPEZE SUPPORTED RECTANGULAR DUCT
SCALE: N.T.S. **A**



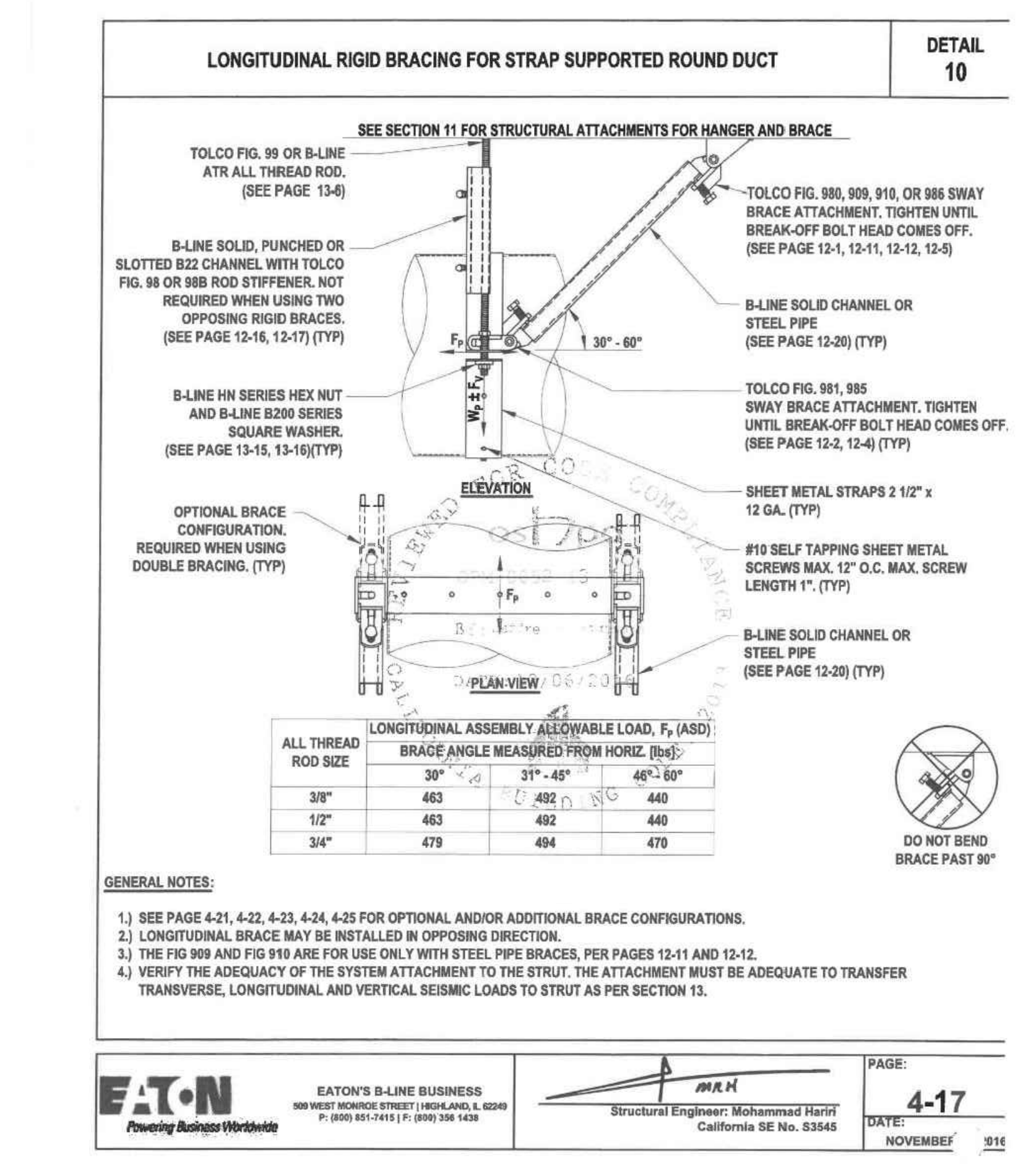
LONGITUDINAL RIGID BRACING FOR TRAPEZE SUPPORTED RECTANGULAR DUCT
SCALE: N.T.S. **B**



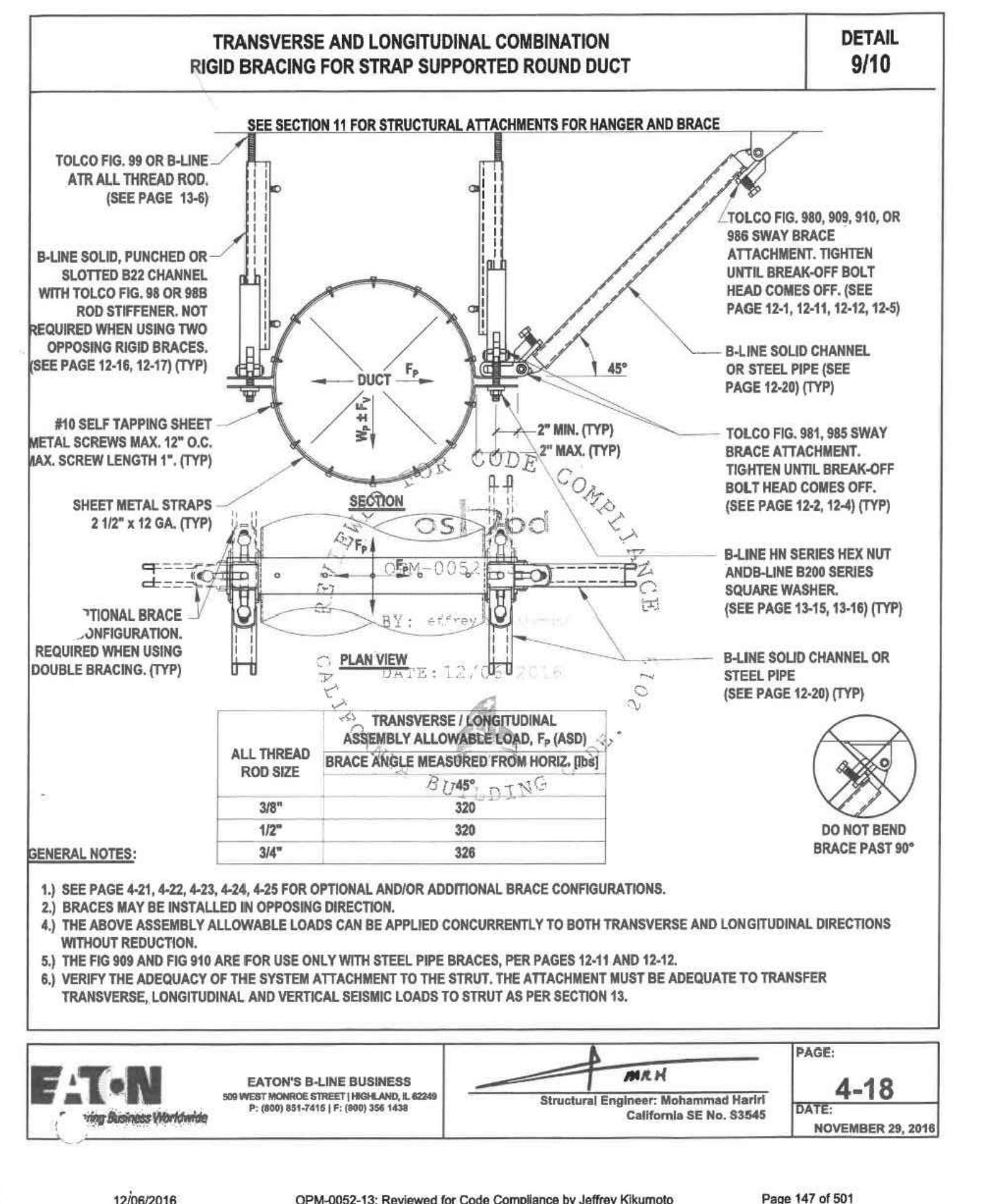
TRANSVERSE & LONGITUDINAL COMBINATION RIGID BRACING FOR TRAPEZE SUPPORTED RECTANGULAR DUCT
SCALE: N.T.S. **C**



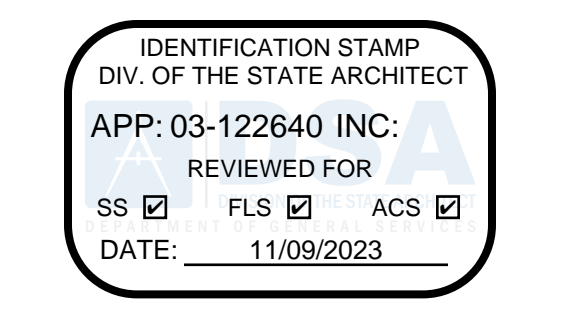
TRANSVERSE RIGID BRACING FOR STRAP SUPPORTED ROUND DUCT
SCALE: N.T.S. **D**



LONGITUDINAL RIGID BRACING FOR STRAP SUPPORTED ROUND DUCT
SCALE: N.T.S. **E**



TRANSVERSE & LONGITUDINAL COMBINATION RIGID BRACING FOR STRAP SUPPORTED ROUND DUCT
SCALE: N.T.S. **F**



3434 Truxtun Avenue, Suite 240 Bakersfield, California 93301 Tel: 661.327.1690 Fax: 661.327.7204 web: www.oiparchitects.net

CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School 607 Texas St Bakersfield, CA 93307 Bakersfield City School District

ARCHITECT



CONSULTANT



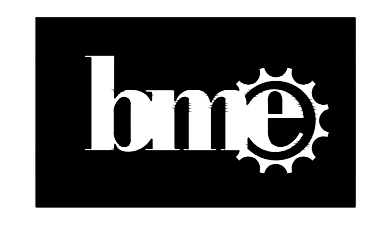
PROJECT INFO table with columns for Project No, Date, DSA File No, DSA No

REVISIONS table with columns for No, Date, Item

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MECHANICAL TITLE 24 SHEETS - BUILDING C, D, E

M5.10



BASKIN MECHANICAL ENGINEERS 175 Fulton Street Fresno, CA 93721 Tel: (559) 237-0376 Job: 22013 PIt: 10-05-23

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and Energy Use Summary table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and Exceptional Conditions section.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and HERS Verification section.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H1. DRY SYSTEM EQUIPMENT table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H2. FAN SYSTEMS SUMMARY table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H11. HEAT RECOVERY SUMMARY table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H1. INDOOR CONDITIONED LIGHTING GENERAL INFO table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS table.

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS table.

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and G3. OPAQUE SURFACE ASSEMBLY SUMMARY table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and G5. FENESTRATION ASSEMBLY SUMMARY table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and G6. OVERHANG DETAILS table.

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H7. NON-RESIDENTIAL VENTILATION table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H8. HIGH-RISE RESIDENTIAL DWELLING UNIT AND HOTEL/MOTEL VENTILATION table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H9. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H10. EVAPORATIVE COOLER SUMMARY table.

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and A. GENERAL INFORMATION table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and B. PROJECT SUMMARY table.

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only) table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and G3. OPAQUE SURFACE ASSEMBLY SUMMARY table.

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H3. EXHAUST FAN SUMMARY table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H4. Wet System Equipment (boilers, chillers, cooling towers, etc.) table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H5. PUMPS table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H6. SYSTEM SPECIAL FEATURES table.

Table with project details: Project Name, Address, Calculation Date/Time, Input File Name, and H7. NON-RESIDENTIAL VENTILATION table.

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Project Name:	Fremont School Bld C / D / E	NRCC-PRF-01-E	Page 10 of 13
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	11:50, Mon, Aug 29, 2022
Input File Name:	Fremont T24.cibd19x		

Project Name:	Fremont School Bld C / D / E	NRCC-PRF-01-E	Page 11 of 13
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	11:50, Mon, Aug 29, 2022
Input File Name:	Fremont T24.cibd19x		

Project Name:	Fremont School Bld C / D / E	NRCC-PRF-01-E	Page 12 of 13
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	11:50, Mon, Aug 29, 2022
Input File Name:	Fremont T24.cibd19x		

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/

Building Component	Form/Title
Mechanical	NRCC-MCH-01-E - Must be submitted for all buildings

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

Building Component	Form/Title
Mechanical	NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
	NRCA-MCH-05-A Air Economizer Controls
	NRCA-MCH-06-A Demand Control Ventilation Systems Acceptance must be submitted for all systems required to employ demand controlled ventilation (refer to §120.16(3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints
	NRCA-MCH-07-A Supply Fan Variable Flow Controls
	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units
	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance
	NRCA-MCH-16-A Supply Air Temperature Reset Controls

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 11:50:44

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 11:50:44

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 11:50:44

Project Name:	Fremont School Bld C / D / E	NRCC-PRF-01-E	Page 13 of 13
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	11:50, Mon, Aug 29, 2022
Input File Name:	Fremont T24.cibd19x		

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that the completion of compliance documentation is accurate and complete.

Documentation Author Name: Mark Baskin
Signature: **Mark Baskin, P.E.**
Company: Baskin Mechanical Engineers
Address: 175 Fulton St.
City/State/Zip: Fresno CA 93721
Phone: 5592370376
CEA/HERS Certification Identification (if applicable): M26578

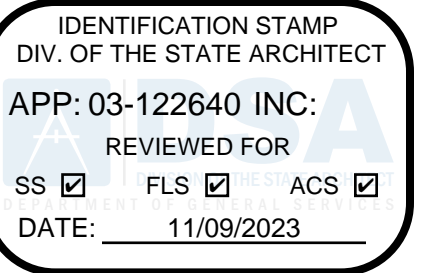
RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility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

Responsible Envelope Designer Name: _____ Signature: _____
Company: _____ Date Signed: _____
Address: _____
City/State/Zip: _____ Title: _____ License #: _____
Phone: _____

Responsible Lighting Designer Name: _____ Signature: _____
Company: _____ Date Signed: _____
Address: _____
City/State/Zip: _____ Title: _____ License #: _____
Phone: _____

Responsible Mechanical Designer Name: Mark Baskin, P.E.
Signature: **Mark Baskin, P.E.**
Company: Baskin Mechanical Engineers
Address: 5500 Ming Avenue, #251
City/State/Zip: Bakersfield CA 93309
Phone: (661) 397-2114
Title: **P.E.** License #: M26578

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 11:50:44



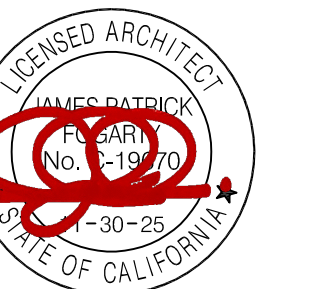
3434 Truxtun Avenue, Suite 240
Bakersfield, California 93301
tel|661.327.1690 fax|661.327.7204
web|www.aparchitects.net

CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School

607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
ARCHITECT C-19670

CONSULTANT



PROJECT INFO

Project No	566-0018
Date	08.14.22
DSA File No	154
DSA No	03-122640

REVISIONS

No	Date	Item
△	00.00.08	DESCRIPTION

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MECHANICAL TITLE 24 SHEETS - BUILDING C, D, E

M5.11

bme BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 22013
Pit: 10-05-23

Project Name:	Fremont School Bld R19 & R20	NRCC-PRF-01-E	Page 10 of 12
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	12:36, Mon, Aug 29, 2022
Input File Name:	Fremont R19 & 20 T24.cbd19x		

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Building Component	Form/Title
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings

Project Name:	Fremont School Bld R19 & R20	NRCC-PRF-01-E	Page 11 of 12
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	12:36, Mon, Aug 29, 2022
Input File Name:	Fremont R19 & 20 T24.cbd19x		

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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Building Component	Form/Title
Mechanical	NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02.A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
	NRCA-MCH-05-A Air Economizer Controls
	NRCA-MCH-06-A Demand Control Ventilation Systems Acceptance must be submitted for all systems required to employ demand controlled ventilation (refer to S233.1(c)(3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints
	NRCA-MCH-07-A Supply Fan Variable Flow Controls
	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units
	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance
NRCA-MCH-16-A Supply Air Temperature Reset Controls	

Project Name:	Fremont School Bld R19 & R20	NRCC-PRF-01-E	Page 12 of 12
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	12:36, Mon, Aug 29, 2022
Input File Name:	Fremont R19 & 20 T24.cbd19x		

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

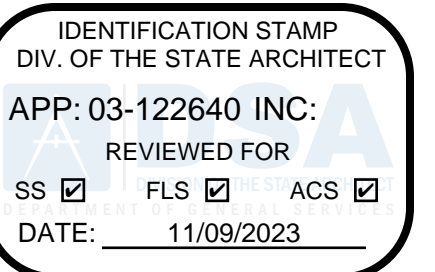
Documentation Author Name: Mark Baskin	Signature: Mark Baskin, P.E.
Company: Baskin Mechanical Engineers	Signature Date: 2022-08-29
Address: 175 Fulton St.	CEA/HERS Certification Identification (if applicable): M26578
City/State/Zip: Fresno CA 93721	
Phone: 5592370376	

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- 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.
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- 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 Envelope Designer Name:	Signature:
Company:	Date Signed:
Address:	City/State/Zip:
Phone:	Title:
	License #:
Responsible Lighting Designer Name:	Signature:
Company:	Date Signed:
Address:	City/State/Zip:
Phone:	Title:
	License #:
Responsible Mechanical Designer Name: Mark Baskin, P.E.	Signature: Mark Baskin, P.E.
Company: Baskin Mechanical Engineers	Signature Date: 08-29-2022
Address: 5500 Ming Avenue, #251	
City/State/Zip: Bakersfield CA 93309	
Phone: (661) 397-2114	Title: P. E.
	License #: M26578



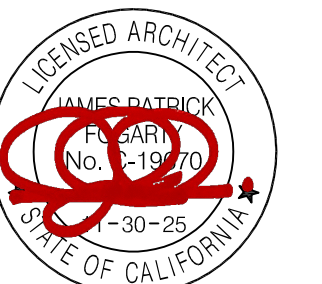
3434 Truxtun Avenue, Suite 240
Bakersfield, California, 93301
tel|661.327.1690 fax|661.327.7204
web|www.oparchitects.net

CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School

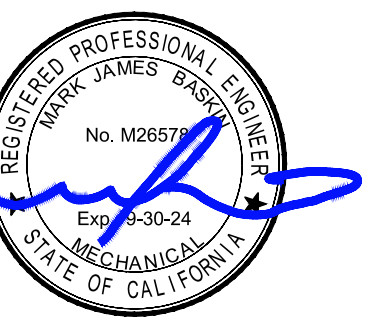
607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
ARCHITECT C-19670

CONSULTANT



PROJECT INFO

Project No	566-0018
Date	08.14.22
DSA File No	154
DSA No	03-122640

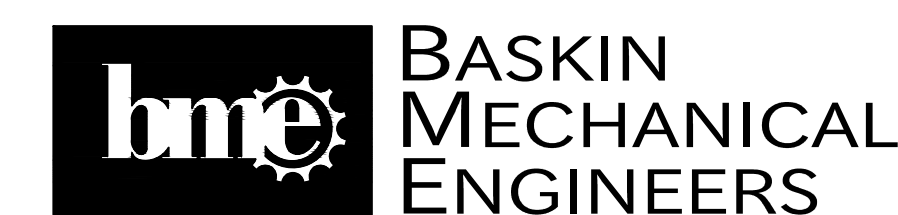
REVISIONS

No	Date	Item
△	00.00.08	DESCRIPTION

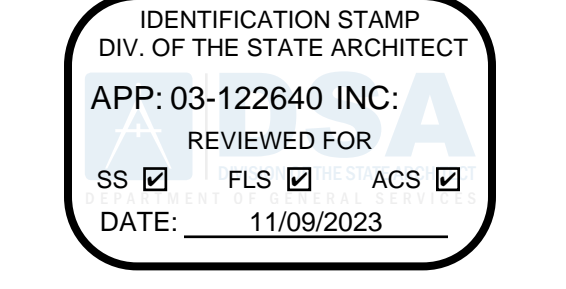
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MECHANICAL TITLE 24 SHEETS - BUILDING R19 & R20

M5.13



175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 22013
Plt: 10-05-23



3434 Truxtun Avenue, Suite 240 Bakersfield, California 93301 tel|661.327.1690 fax|661.327.7204 web|www.oiparchitects.net

CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School
607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



CONSULTANT



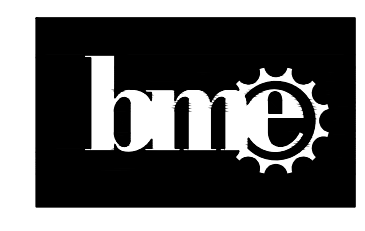
PROJECT INFO table with columns: Project No, Date, DSA File No, DSA No

REVISIONS table with columns: No, Date, Item, Description

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDITION PARTNERSHIP... ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ADDITION PARTNERSHIP...

MECHANICAL TITLE 24 SHEETS - BLDG F

M5.14



BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 22013
Pit: 10-05-23

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd13x

C3. ENERGY USE SUMMARY table with columns: Energy Component, Standard Design Site (MWh), Proposed Design Site (MWh), Margin (MWh), Standard Design Site (MBtu), Proposed Design Site (MBtu), Margin (MBtu)

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

E. HERS VERIFICATION
This Section Does Not Apply

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd13x

H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers, etc.) table with columns: Equipment Name, Equipment Type, Qty, Heating, Cooling, Economizer Type (if present)

H2. FAN SYSTEMS SUMMARY table with columns: Name or Item Tag, Qty, Design OA, Supply Fan, Return Fan, Control

H3. EXHAUST FAN SUMMARY
This Section Does Not Apply

H4. Wet System Equipment(boilers,chillers,cooling towers,etc.)
This Section Does Not Apply

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd13x

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS table with columns: Area Description, Area Category Primary Function Area, Area Controls 130.1(a), Multi-Level Controls 130.1(b), Shut-Off Controls 130.1(c), Primary Daylighting 130.1(d), Secondary Daylighting 140.5(d)

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd13x

C1. 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%)

C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS! table with columns: Miscellaneous Energy Component, Standard Design (TDV), Proposed Design (TDV), Compliance Margin (TDV%)

C3. OPAQUE SURFACE ASSEMBLY SUMMARY table with columns: Surface Name, Surface Type, Area (ft²), Framing Type, Cavity R-Value, Continuous R-Value, Units, Value, Description of Assembly Layers

C4. FENESTRATION ASSEMBLY SUMMARY table with columns: Fenestration Assembly Name / Tag or I.D., Fenestration Type / Product Type / Frame Type, Certification Performance, Assembly Method, Area ft², Overall U-factor, Overall SHGC, Overall VT

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd13x

G3. OPAQUE SURFACE ASSEMBLY SUMMARY table with columns: Surface Name, Surface Type, Area (ft²), Framing Type, Cavity R-Value, Continuous R-Value, Units, Value, Description of Assembly Layers

G4. FENESTRATION ASSEMBLY SUMMARY table with columns: Fenestration Tag/ID, Orientation, Depth(ft), Height from Bottom of Sill to Overhang(ft), Right Extent(ft), Left Extent(ft)

G5. OVERHANG DETAILS table with columns: Fenestration Tag/ID, Orientation, Depth(ft), Height from Bottom of Sill to Overhang(ft), Right Extent(ft), Left Extent(ft)

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

H9. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY table with columns: System ID, Zone Name, System Type, Qty, Rated Capacity (kBtu/h), Airflow (cfm), Fan, Power Units, Cycles, VSD

H10. EVAPORATIVE COOLER SUMMARY
This Section Does Not Apply

H11. HEAT RECOVERY SUMMARY
This Section Does Not Apply

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd13x

H9. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY table with columns: System ID, Zone Name, System Type, Qty, Rated Capacity (kBtu/h), Airflow (cfm), Fan, Power Units, Cycles, VSD

H10. EVAPORATIVE COOLER SUMMARY
This Section Does Not Apply

H11. HEAT RECOVERY SUMMARY
This Section Does Not Apply

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO table with columns: Occupancy Type, Conditioned Floor Area (ft²), Installed Lighting Power (Watts), Lighting Control Credits (Watts), Additional (Custom) Allowance, Area Category Footnotes (Watts), Tailored Method (Watts)

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd13x

A. GENERAL INFORMATION table with columns: 1 Project Location (city), 2 CA Zip Code, 3 Climate Zone, 4 Total Conditioned Floor Area in Scope, 5 Total Unconditioned Floor Area, 6 Total # of Stories (Habitable Above Grade), 7 Total # of dwelling units

B. PROJECT SUMMARY
Table Instructions: Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within permit application.

Table with columns: Building Components Complying via Performance, Performance, Building Components Complying Prescriptively

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd13x

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only) table with columns: 1 Opaque Surfaces & Orientation, 2 Total Gross Surface Area (ft²), 3 Total Fenestration Area (ft²), 4 Window to Wall Ratio (%)

Notes:
1 North-Facing is oriented to within 45 degrees of true north, including 45°00'00" east of north (NE), but excluding 45°00'00" west of north (NW).
2 East-Facing is oriented to within 45 degrees of true east, including 45°00'00" south of east (SE), but excluding 45°00'00" north of east (NE).
3 South-Facing is oriented to within 45 degrees of true south, including 45°00'00" west of south (SW), but excluding 45°00'00" east of south (SE).
4 West-Facing is oriented to within 45 degrees of true west, including 45°00'00" north of due west (NW), but excluding 45°00'00" south of west (SW).

G3. OPAQUE SURFACE ASSEMBLY SUMMARY table with columns: Surface Name, Surface Type, Area (ft²), Framing Type, Cavity R-Value, Continuous R-Value, Units, Value, Description of Assembly Layers

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd13x

H5. PUMPS
This Section Does Not Apply

H6. SYSTEM SPECIAL FEATURES table with columns: System Name, Equipment Type, Window Interlocks per §140.4(b), Other Special Features and Controls

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

H7. NONRESIDENTIAL VENTILATION table with columns: 1 Zone Name, 2 Mechanical Ventilation, 3 # of people, 4 Supply CFM, 5 Exhaust CFM, 6 Conditioned Area (sf), 7 DCV or Occupant Sensor Controls, or Both

H8. HIGH-RISE RESIDENTIAL DWELLING UNIT AND HOTEL/MOTEL VENTILATION
This Section Does Not Apply

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name:	Fremont School Bld F	NRCC-PRF-01-E	Page 10 of 12
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	12:05, Mon, Aug 29, 2022
Input File Name:	Fremont F T24.cibd13x		

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name:	Fremont School Bld F	NRCC-PRF-01-E	Page 11 of 12
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	12:05, Mon, Aug 29, 2022
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	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance
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Project Name:	Fremont School Bld F	NRCC-PRF-01-E	Page 12 of 12
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	12:05, Mon, Aug 29, 2022
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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Mark Baskin	Signature: Mark Baskin, P.E.
Company: Baskin Mechanical Engineers	Signature Date: 2022-08-29
Address: 175 Fulton St.	CEA/HERS Certification Identification (if applicable): M26578
City/State/Zip: Fresno CA 93721	
Phone: 5592370376	

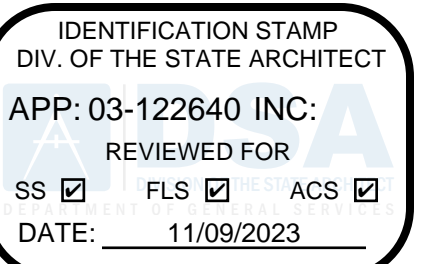
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Responsible Envelope Designer Name:	Signature:
Company:	Date Signed:
Address:	City/State/Zip:
Phone:	Title:
	License #:
Responsible Lighting Designer Name:	Signature:
Company:	Date Signed:
Address:	City/State/Zip:
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Company: Baskin Mechanical Engineers	Signature Date: 08-29-2022
Address: 5500 Ming Avenue, #251	
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Phone: (661) 397-2114	Title: P. E.
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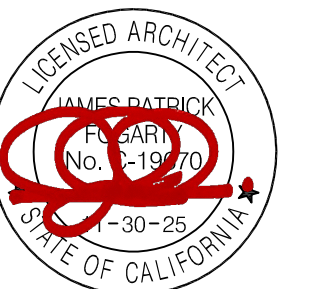
3434 Truxtun Avenue, Suite 240
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tel | 661.327.1690 fax | 661.327.7204
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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School

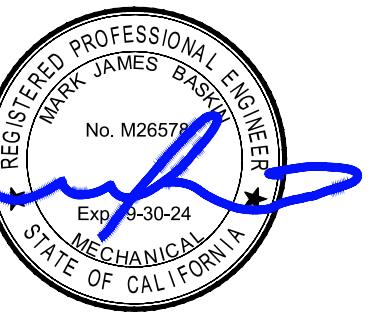
607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
ARCHITECT C-19670

CONSULTANT



PROJECT INFO

Project No	566-0018
Date	08.14.22
DSA File No	154
DSA No	03-122640

REVISIONS

No	Date	Item
△	00.00.08	DESCRIPTION

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MECHANICAL TITLE 24 SHEETS - BLDG F

M5.15



BASKIN MECHANICAL ENGINEERS

175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 22013
Plt: 10-05-23

PLUMBING LEGEND					
SYMBOL	ABBR.	ITEM	SYMBOL	ABBR.	ITEM
ACC.		ACCESSIBLE	GRD.		GRADE
A.D.		ACCESS DOOR/WALL BOX	G.W.		GREASE WASTE
A.F.F.		ABOVE FINISHED FLOOR	H.B.		HOSE BIBB
C.D.		CONDENSATE DRAIN	H.V.(A-C)		AIR CONDITIONING EQPT.
C.I.		CAST IRON	L.		LAVATORY
C.G.		CEILING	LOC.		LOCATION
C.O.		CLEANOUT	NU		NEW
COMB.		COMBUSTION	NI.C.		NOT IN CONTRACT
CONN.		CONNECTION	P.O.C.		POINT OF CONNECTION
CONT.		CONTINUATION	PROV.		PROVIDE
COTG		CLEANOUT TO GRADE	P.R.V.		PRESSURE REDUCING VALVE
(D.C.W.)		(DOMESTIC) COLD WATER	R.D.		ROOF DRAIN
D.H.		DEMO HATCH	R.L.		RAINWATER LEADER
(D.H.W.)		(DOMESTIC) HOT WATER	S.		SINK
(D.H.W.R.)		(DOMESTIC) HOT WATER RETURN	S.M.		SOIL AND WASTE
DN.		DOWN	SIM.		SIMILAR
DRN.		DRAIN	S.O.V.		SHIFT OFF VALVE
(E)		EXISTING	SS		STAINLESS STEEL
(E.C.W.)		(EXISTING) COLD WATER	S.S.		SERVICE SINK
(E.H.W.)		(EXISTING) HOT WATER	SURF.		SURFACE
(E.H.W.R.)		(EXISTING) HOT WATER RETURN	T.P.		TEMPERATURE AND PRESSURE RELIEF
(E.C.D.)		(EXISTING) CONDENSATE DRAIN	T.P.		TRAP PRIMER
E.D.F.		ELECTRIC DRINKING FOUNTAIN	(TYP)		TYPICAL
E.W.H.		ELECTRIC WATER HEATER	UR.		URINAL
F.C.O.		FLOOR CLEANOUT	V.O.		VENT OFFSET
F.D.		FLOOR DRAIN	V.T.R.		VENT THRU ROOF
FLR.		FLOOR	(E) W.		EXISTING WASTE
F.S.		FLOOR SINK	W.		WASTE
G.		GAS	W.C.		WATER CLOSET
(E) G.		(EXISTING) GAS	W.H.		WATER HEATER
G.D.		GARBAGE DISPOSAL	W.C.O.		WALL CLEANOUT

Plumbing Fixture Schedule:

- WC-1**
Floor mounted accessible 16.5" high flush-valve elongated water closet, "American Standard" # 3461.001, 1.28 gallons / flush, "Zurn" # ZER6000AV-HET-CCP battery powered 1.28 CPF sensor flush-valve, heavy duty plastic elongated open front seat, bolt caps, 3" S.&W., 2" V.O., 1-1/4" C.W. (reduce to 1" @ flush-valve), see plan for trap primer accessory.
- WC-2**
Floor mounted 14" high flush-valve elongated elementary height water closet, "American Standard" # 2599.001 1.28 gallons / flush, "Zurn" # ZER6000AV-HET-CCP battery powered 1.28 CPF sensor flush-valve, heavy duty plastic elongated open front seat, bolt caps, 3" S.&W., 2" V.O., 1-1/4" C.W. (reduce to 1" @ flush-valve), see plan for trap primer accessory.
- UR**
Wall mt'd accessible urinal, "Kohler" # K-4991-ET-0 Barston, "Zurn" # ZER6003AV-UF-CP battery powered (pin) sensor flush-valve, wall hanger, (mount hanger per detail on plans) see manufacturers installation instructions for mounting heights, 3/4" C.W., 2" W., 2" W.C.O., 1-1/2" V.O. (see detail AP1.03)
- L**
Wall hung vitreous china accessible lavatory, "Kohler" # K-2867 (20" x 18") Hudson, offset grid drain, "Chicago" #3400-ABCP metering faucet (0.5 GPM), (2) threaded angle wall stops with braided S.S. supplies, 17 ga. C.P. trap/oriset tailpiece, 1/2" C.W., 2" W., 2" W.C.O., 1-1/2" V., provide "Zurn" #Z1251 Concealed arm system wall support.
- S**
Counter mounted stainless steel accessible classroom sink with U-channel type mounting system, "Elvax" #PSDKADQ2517C with "Havens" #5510LF gooseneck faucet and "Havens" #5054LF bubbler, strainer / grid drain, (2) threaded angled wall stops with braided stainless steel supplies, supplies from each stop (one to bubbler and faucet), 17 ga. C.P. trap/tailpiece, 1/2" C.W., 2" W., 2" W.C.O., 1-1/2" V.O.

Equipment Anchorage Notes:

All Mechanical, Plumbing, and Electrical components shall be anchored and installed per the details on the DSA approved construction documents. The following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2019 CBC, Sections 1617A.1.10 through 1617A.1.26 and ASCE 7-16 Chapters 13, 26 and 30.

- All permanent equipment and components.
- Temporary, movable or mobile equipment that is permanently attached (E.G. hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical connections except plugs for 110/220 volt receptacles having a flexible cable.
- Temporary, moveable or mobile equipment which is heavier than 400 pounds or has a center mass located 4 feet or more above the adjacent floor or roof level that directly support the component are required to be restrained in a manner approved by DSA.

The following Mechanical and Electrical components shall be positively attached to the structure, but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping and conduit. Flexible connections must allow movement in both transverse and longitudinal directions:

- Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
- Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.

The anchorage of all Mechanical, Electrical and Plumbing components shall be subject to the approval of the design professional in general responsible charge or structural engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with above requirements.

Piping, Ductwork, and Electrical Distribution System Bracing Note:

Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Section 13.6.5, 13.6.6, 13.6.7, 13.6.8, and 2019 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a pre-approved installation guide (e.g., OSHPD OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):

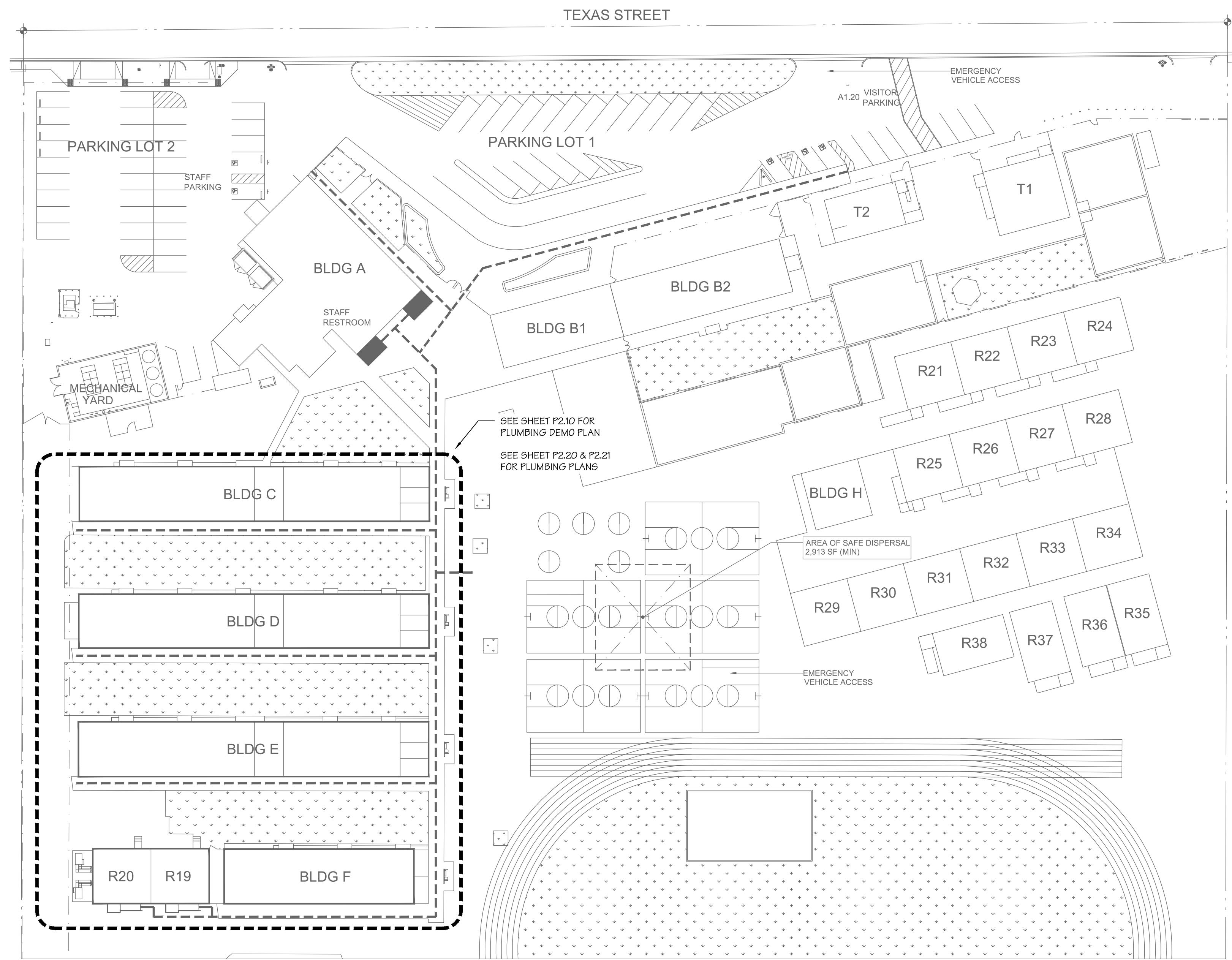
- MP MD Option 1: Detailed on the approved drawings with project specific notes and details
- PP E
- MP MD Option 2: Shall comply with the applicable OSHPD Pre-Approval (OPM#)
- PP E #16c0B-line OPM-052.

Codes:

- California Code of Regulations (C.C.R.)
- Part 1 - 2022 California Standards Administrative Code, Title 24, C.C.R.
- Part 2 - 2019 California Building Code (C.B.C.), Title 24, C.C.R. Volumes 1-2.
- Part 3 - 2019 California Electrical Code, Title 24, C.C.R.
- Part 4 - 2019 California Mechanical Code (C.M.C.), Title 24, C.C.R.
- Part 5 - 2019 California Plumbing Code (C.P.C.), Title 24, C.C.R.
- Part 6 - 2019 California Energy Code, Title 24, C.C.R.
- Part 9 - 2019 California Fire Code, Title 24, C.C.R.
- Part 11 - 2019 California Green Building Standards Code, Title-24, C.C.R.

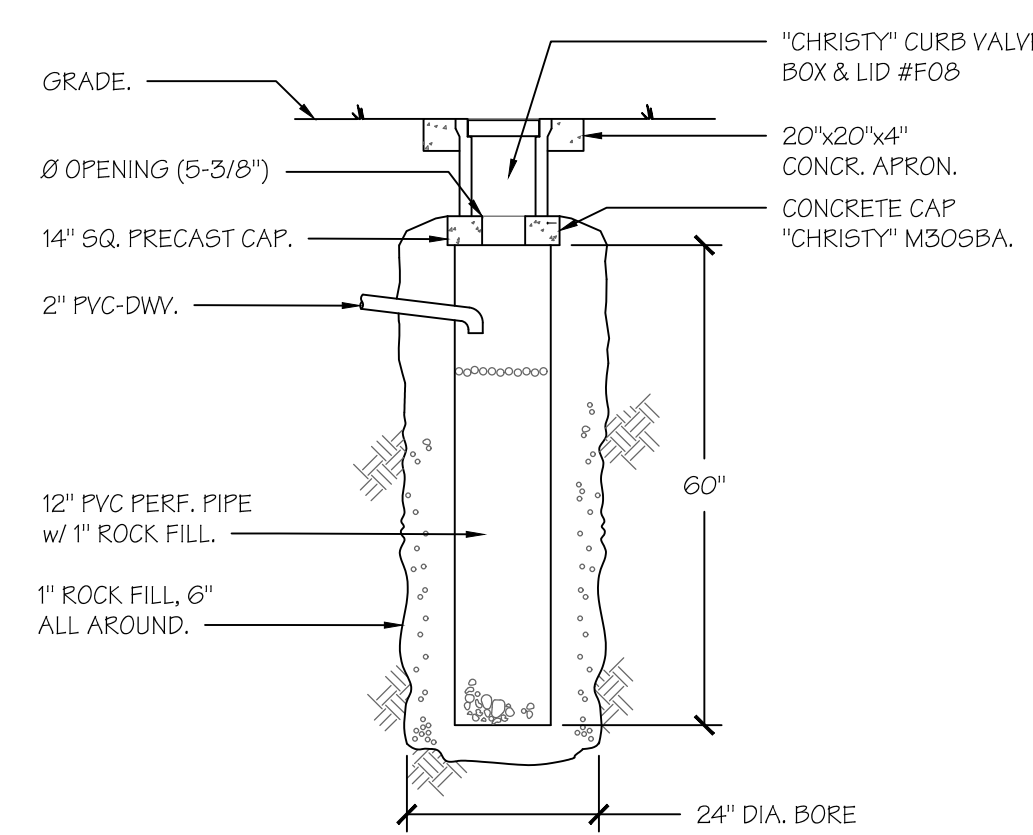
Standards and Guides:

- ADASAD - Americans with Disabilities Act Standards for Accessible Design.
- Fixtures - Plumbing fixtures to comply with table 5.303.6 of the California Green Building Standards - 2019 Edition.



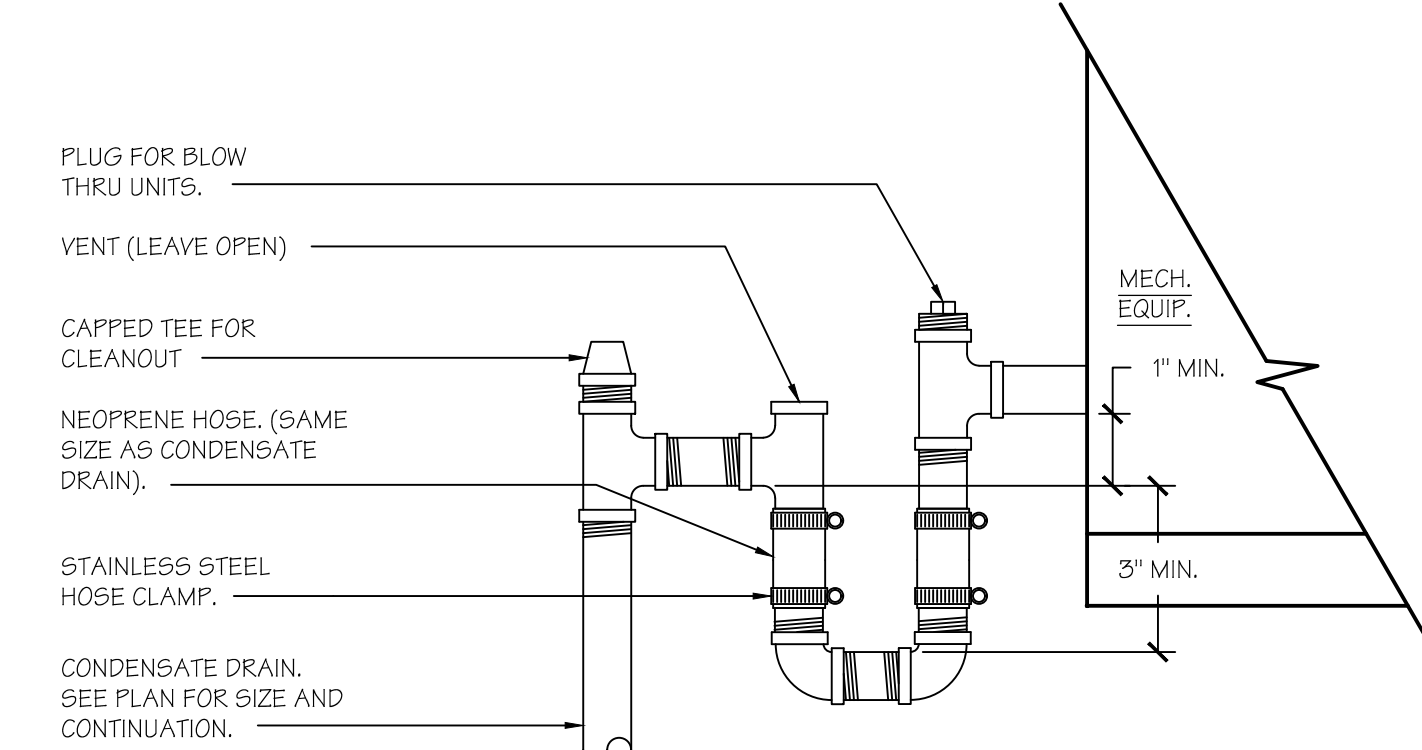
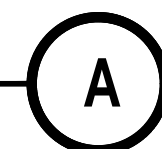
PLUMBING SITE PLAN

SCALE: 1"=40'-0"



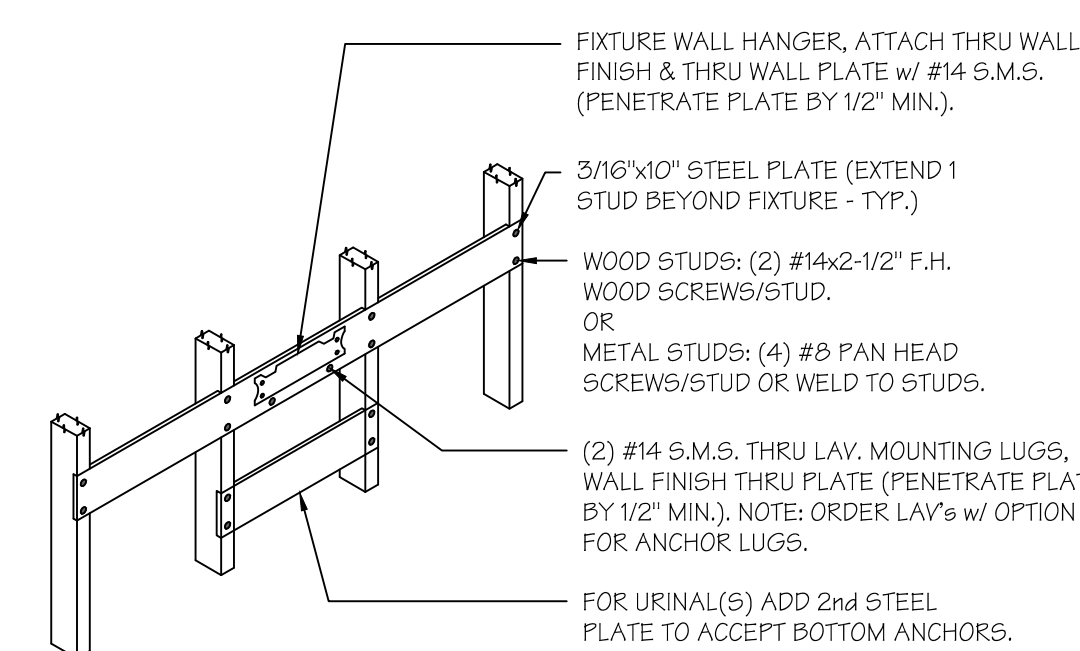
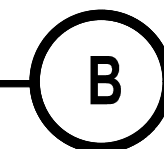
DRYWELL

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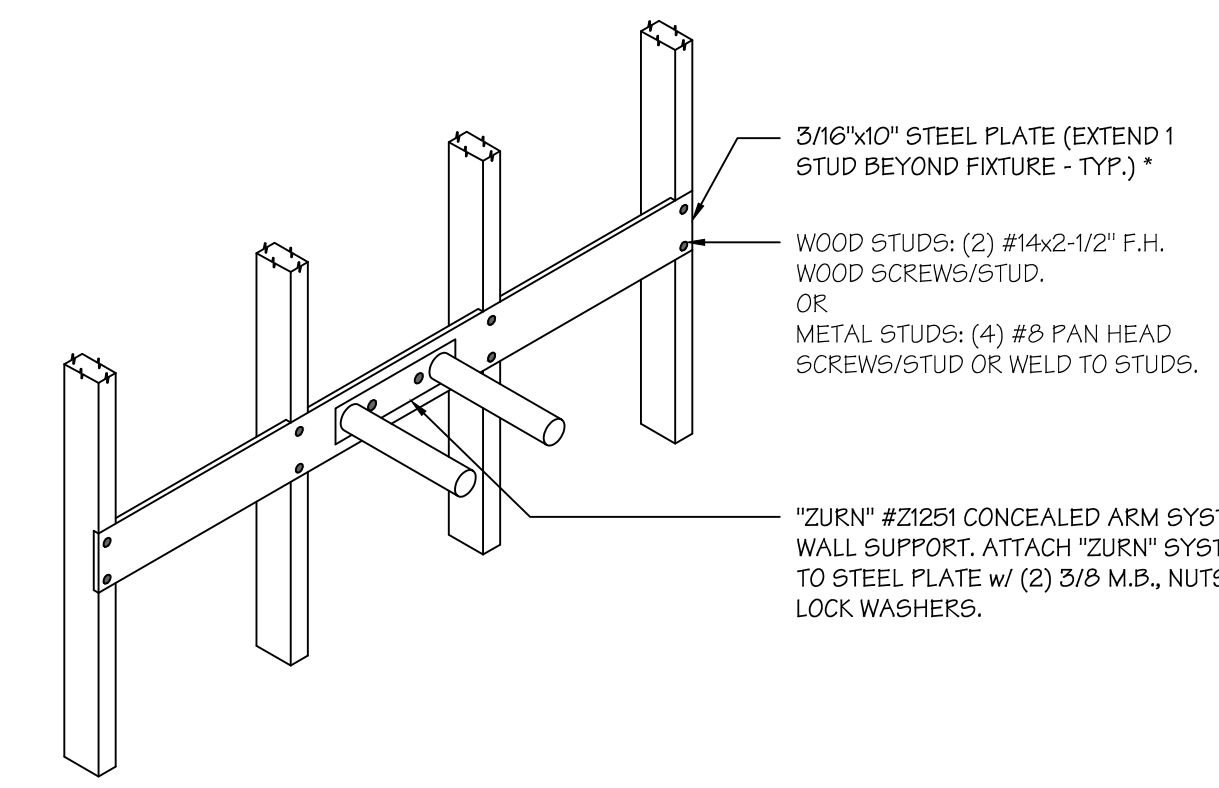
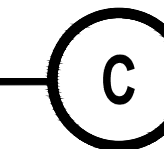
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SCALE: N.T.S.



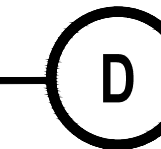
URINAL MOUNTING

SCALE: N.T.S.



LAV. MOUNTING

SCALE: N.T.S.



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DATE: 11/09/2023



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web|www.daparchitects.net

CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet
Elementary School

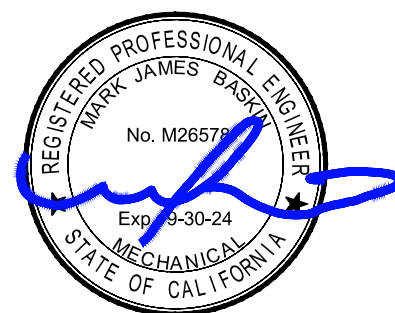
607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
ARCHITECT C-19670

CONSULTANT



PROJECT INFO

Project No	566-0018
Date	09.14.22
DSA File No	15-4
DSA No	03-122640

REVISIONS

No	Date	Item
1	00.00.08	DESCRIPTION

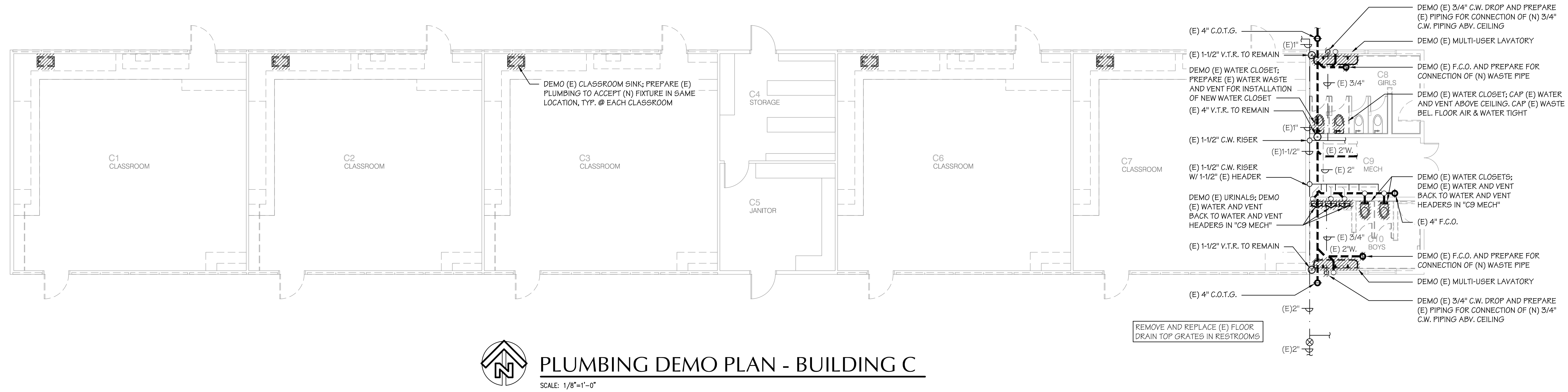
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PLUMBING SITE PLAN,
SCHEDULE, AND NOTES

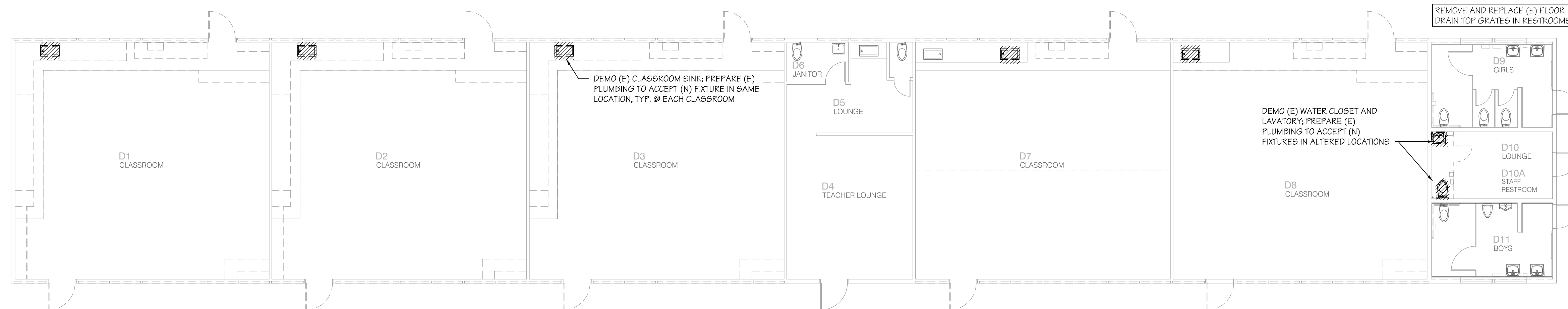
P1.00



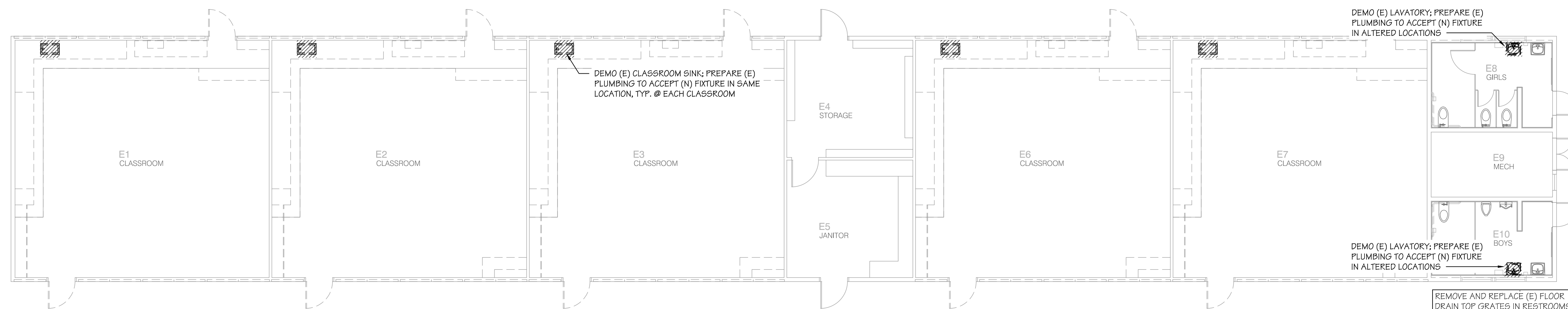
BASKIN MECHANICAL ENGINEERS
175 Fulton Street
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Tel: (559) 237-0376
Job: 22013
Pit: 10-05-23



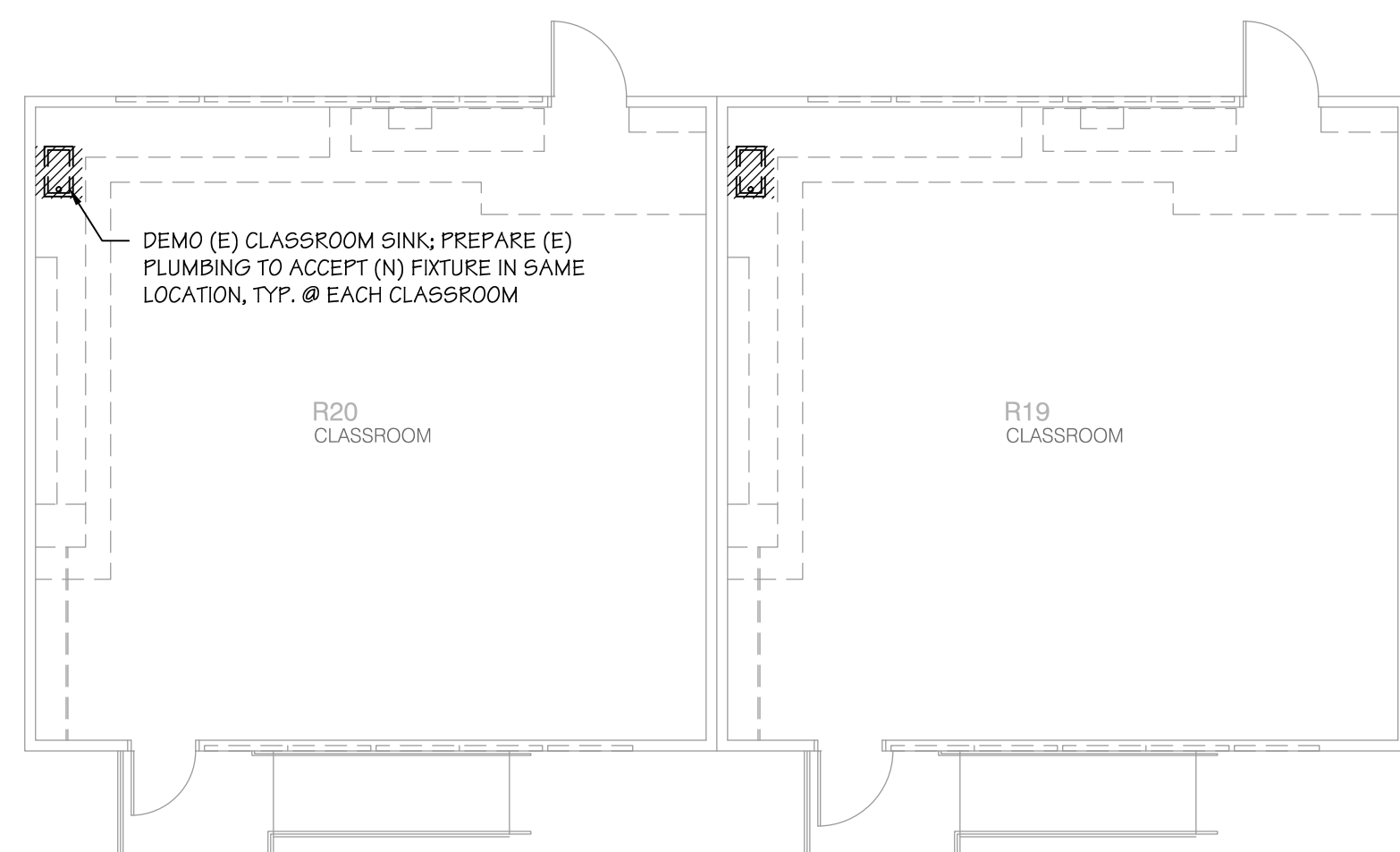
PLUMBING DEMO PLAN - BUILDING C
SCALE: 1/8"=1'-0"



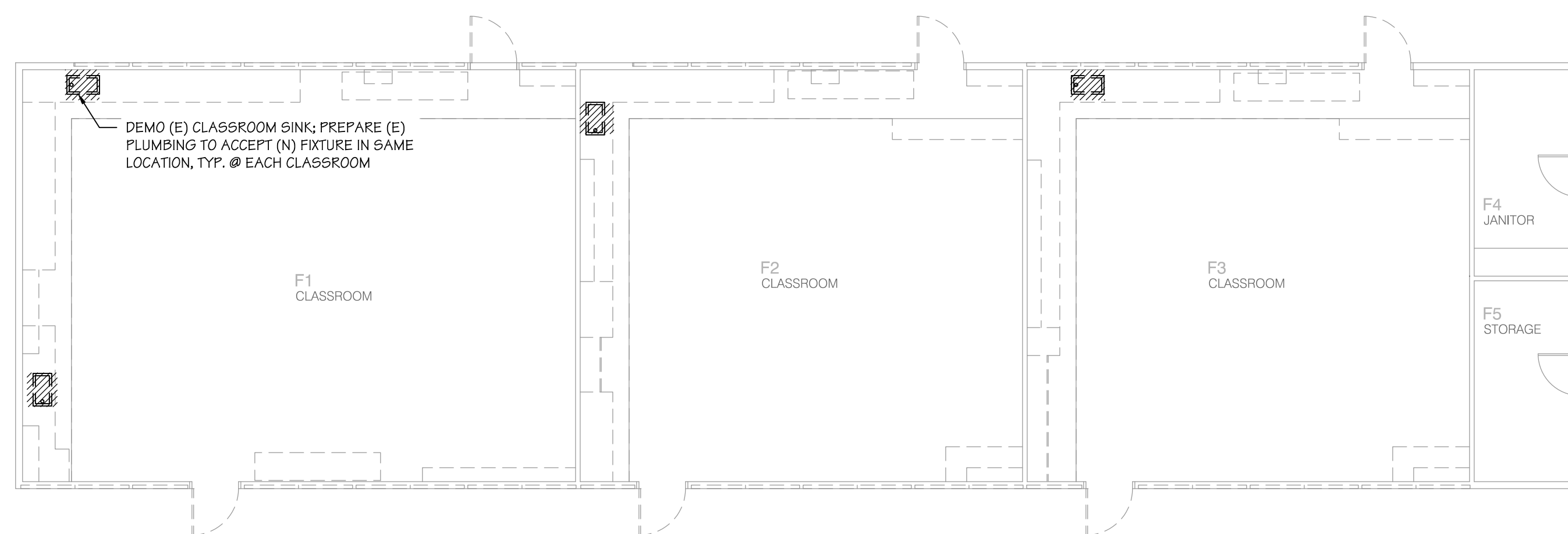
PLUMBING DEMO PLAN - BUILDING D
SCALE: 1/8"=1'-0"



PLUMBING DEMO PLAN - BUILDING E
SCALE: 1/8"=1'-0"



PLUMBING DEMO PLAN - BUILDING R19/R20
SCALE: 1/8"=1'-0"



PLUMBING DEMO PLAN - BUILDING F
SCALE: 1/8"=1'-0"

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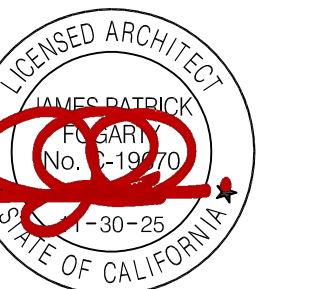
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**CAMPUS HVAC
SYSTEM UPGRADE**

**Fremont Magnet
Elementary School**

607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



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ARCHITECT C-19670

CONSULTANT



PROJECT INFO

Project No	566-0018
Date	09.14.22
DSA File No	154
DSA No	03-122640

REVISIONS

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1	00.00.08	DESCRIPTION

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PLUMBING DEMOLITION PLAN

P2.10

**CAMPUS HVAC
 SYSTEM UPGRADE**

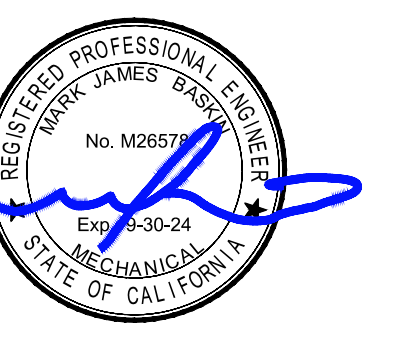
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 Bakersfield City School District

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PROJECT INFO

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Date	09.14.22
DSA File No	15-4
DSA No	03-122640

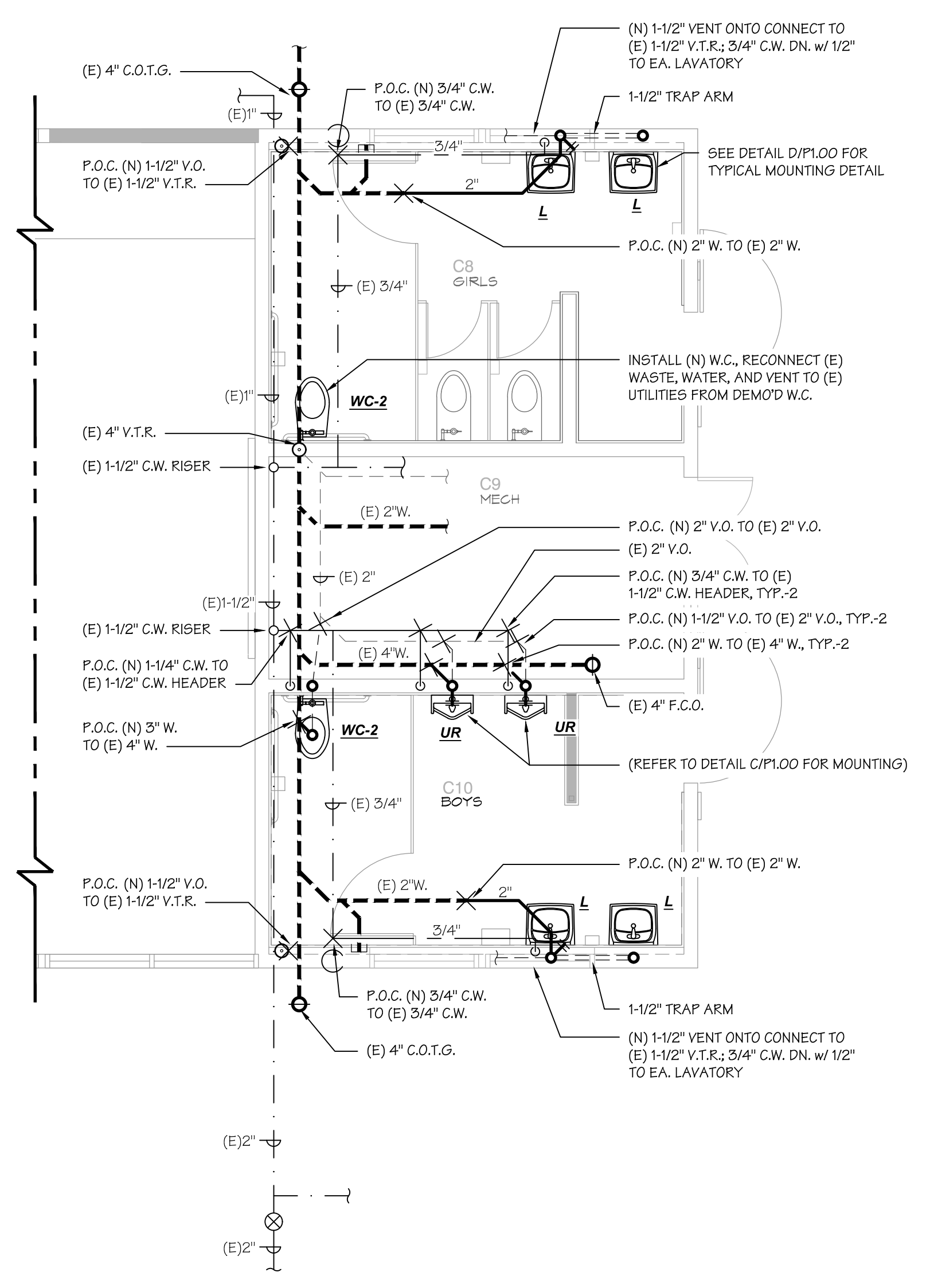
REVISIONS

No	Date	Item
△	00.00.08	DESCRIPTION

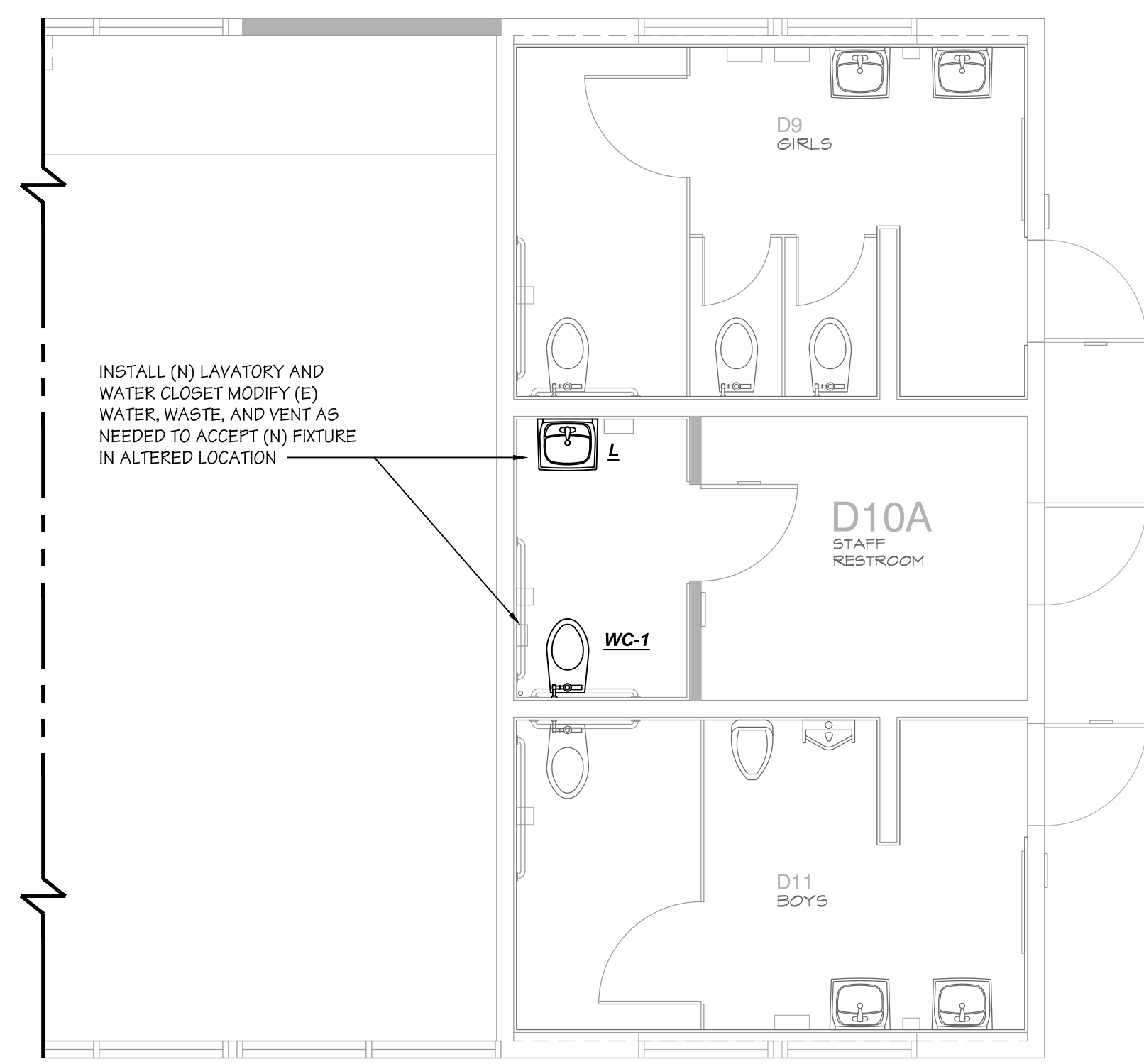
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PLUMBING PLAN

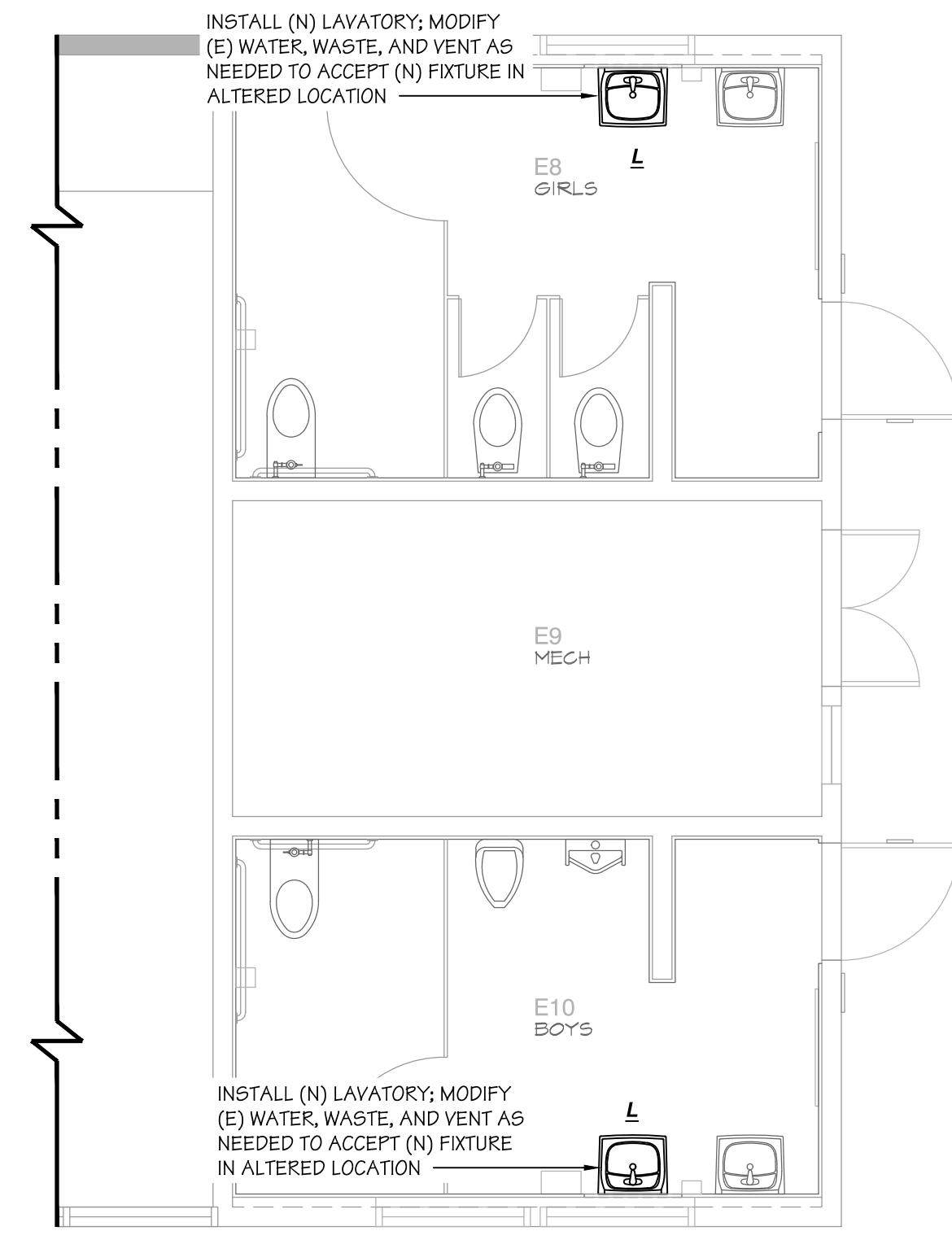
P2.21



PARTIAL PLUMBING PLAN - BUILDING C
 SCALE: 1/4"=1'-0" **A**



PARTIAL PLUMBING PLAN - BUILDING D
 SCALE: 1/4"=1'-0" **B**



PARTIAL PLUMBING PLAN - BUILDING E
 SCALE: 1/4"=1'-0" **C**



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**CAMPUS HVAC
 SYSTEM UPGRADE**

Fremont Magnet
 Elementary School

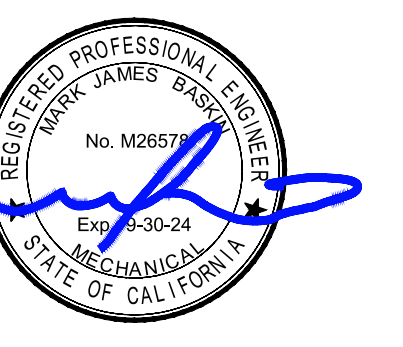
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PROJECT INFO

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BRACING GENERAL
 REQUIREMENTS & DETAILS

P8.00

3.0 SEISMIC BRACING GENERAL REQUIREMENTS - MECHANICAL & PLUMBING PIPING

$R_p = 2.5; R_c = 3.0 (0.0 \text{ MAX}); S_{DS} = 2.5; C_0 = 2.5; I_p = 1.5; z/h = 1$

The above parameters for this section are worst case and apply to mechanical/plumbing piping and tubing of low (cast iron, glass, and non-ductile plastics), limited, or high deformability materials whether in accordance with ASME B31 or not. Joints can be threaded, bonded, compression coupling, grooved coupling, welded or brazed, per ASCE/SEI 7-10, Table 13.6-1. For additional factors for different systems see ASCE/SEI 7-10, Table 13.6-1.

I. Seismic restraints are required for the following piping installations:

- All piping 1 1/4" diameter and larger where Seismic Design Category is D thru F and I_p is equal to 1.5.
- All piping and trapeze supported piping weighing more than 10 lbs/ft with I_p of equal to 1.5 in Seismic Design Category D thru F.
- Trapeze supported piping that would require seismic bracing if supported individually.

Exceptions:
 Seismic restraints are not required where either condition I. or II. below is met:

- All piping suspended by individual hanger rods where hanger in piping run is 12 inches or less in length from the top of pipe to the bottom of the support structure where hanger is connected. (See Page 1-8a)
- Trapeze supported systems suspended 12 inches or less from the top of the trapeze to the bottom of the support structure where trapeze is connected. (See Page 1-8a)

In both exceptions above, all of the hangers of a run must comply with the 12-inch rule or bracing is required.

II. 12-inch rod rule exception has additional requirements:

- Lateral motion of the piping will not cause impact with other systems (e.g. other pipe, duct, or electrical systems, equipment, structural members, etc.) or fragile appurtenances such as sprinkler heads or lighting fixtures) or loss of system vertical support.
- Piping must be made of ductile material with ductile connections (e.g. welded steel pipe, etc.).
- Vertical rod hanger top connections to the building structure cannot develop moments. Moments may be eliminated by using swivel attachments or by other means.

III. Transverse bracing shall be provided at 40 ft. maximum spacing (unless reduced spacing is required per Section 3.5, 7.9, and 14) for welded steel pipe, or grooved piping with UL 213 listed connections. Rigid grooved coupling listed for UL Standard 213 shall be permitted in horizontal run of pipe. Flexible grooved coupling listed for UL Standard 213 shall be permitted in vertical risers (to accommodate drift) and other locations (e.g. seismic separation, equipment nozzle, etc.) to accommodate small movement and/or rotation. Non-UL listed grooved couplings shall not be used unless approved on project specific basis.

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M.K.H. Structural Engineer: Mohammad Hariri
 California SE No. 53545

PAGE: **1-6**
 DATE: NOVEMBER 29, 2016

12/06/2016 OPM-0052-13: Reviewed for Code Compliance by Jeffrey Kikumoto Page 17 of 501

3.0 SEISMIC BRACING GENERAL REQUIREMENTS - MECHANICAL & PLUMBING PIPING (CONTINUED)

III. Longitudinal bracing shall be provided at 80 ft. maximum spacing (unless reduced spacing is required per Section 3.5, 7, and 9) for welded steel pipe, or grooved piping with UL 213 listed connections. Rigid grooved coupling listed for UL Standard 213 shall be permitted in horizontal run of pipe. Flexible grooved coupling listed for UL Standard 213 shall be permitted in vertical risers (to accommodate drift) and other locations (e.g. seismic separation, equipment nozzle, etc.) to accommodate small movement and/or rotation. Non-UL listed grooved couplings shall not be used unless approved on project specific basis. Maximum longitudinal brace spacing shall not exceed two times (2x) maximum transverse brace spacing.

IV. Cast iron pipe (No-Hub pipe) brace spacings shall not exceed the spacings tabulated in Section 14. No-hub couplings shall be manufactured in accordance with ASTM C1540, shall be certified in accordance with FM 1880 Class 1 and gravity hangers shall be spaced per the requirements of Table 313.1 of the 2013 California Plumbing Code (CPC 2013) for no-hub cast iron pipe.

Exception: Cast iron (No-hub) pipe joined by couplings not satisfying ASTM C1540 or not certified in accordance with FM 1880 Class 1 shall be designed on a project by project basis, and shall require project specific OSHPPD approval.

V. Brace No-Hub piping on each side of 90 degree horizontal change in direction, both in transverse and longitudinal directions.

VI. When determining horizontal load requirements, consider all pipes full of water unless calculated for other substances.

VII. Seismic bracing shall not limit the expansion and contraction of the piping system. When thermal expansion or contraction is involved, longitudinal bracing shall be designed at the anchor point of the piping system. The longitudinal bracing and the connections must be capable of resisting the additional force induced by expansion and contraction designed by a Registered Design Professional (RDP) on a project-specific basis, since it is outside the scope of this OPM.

VIII. All braces shall be located at or within 6" of the vertical support. Provide rod stiffener for vertical support where required by Pages 12-18 or 12-17.

IX. When bracing trapeze supports, the bracing shall be attached directly to the trapeze with piping secured to the trapeze with approved components. At transverse brace locations, a minimum of one transverse brace is required per trapeze. At longitudinal brace locations, a minimum of two longitudinal braces are required per trapeze, one at each vertical support or rod. At trapeze locations where both transverse and longitudinal seismic bracing is required, both conditions apply.

X. Stacked trapezes supported by the same rods shall be braced independently from one another. The rod supports in each section may require stiffening (See page 4-21, 4-22, 4-23, 8-21, 8-22, 8-23, 12-16, 12-17).

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 California SE No. 53545

PAGE: **1-7**
 DATE: NOVEMBER 29, 2016

12/06/2016 OPM-0052-13: Reviewed for Code Compliance by Jeffrey Kikumoto Page 18 of 501

3.0 SEISMIC BRACING GENERAL REQUIREMENTS - MECHANICAL & PLUMBING PIPING (CONTINUED)

XI. Bracing installed on smaller piping shall not be used to brace larger piping.

XII. A piping system shall not be braced to different parts of the building that may respond differently during seismic activity.

XIII. See page 12-20 for Maximum Brace Member Lengths.

XIV. The following Tolco products were engineered with torque indicators to ensure proper installation:

- Fig. 909 No-Thread Swivel Sway Brace Attachments have a connecting bolt head that bottoms out.
- Fig. 980 & Fig. 981 Universal Swivel Sway Brace Attachments have break-off bolt heads.
- Fig. 985 & Fig. 986 Swivel Sway Brace Attachments have break-off bolt heads.
- Fig. 990 & Fig. 991 Cable Sway Brace Attachments have break-off nuts.
- Fig. 1000 Sway Brace Attachments have material that flattens out or comes together to ensure proper engagement.
- Fig. 1001 Sway Brace Attachment has bolt heads that bottom out.
- Fig. 800, Fig. 825, & Fig. 828 Adjustable Sway Brace Attachment to Steel and Bar Joist have break-off bolt heads.
- Fig. 4L & Fig. 4LA Sway Brace Attachments have break-off bolt heads.

XV. Continue with "Seismic Bracing Layout - General Requirements" on pages 1-14 to 1-17.

XVI. Rigid grooved coupling listed for UL Standard 213 shall be permitted in horizontal run of pipe. Flexible grooved coupling listed for UL Standard 213 shall be permitted in vertical risers (to accommodate drift) and other locations (e.g. seismic separation, equipment nozzle, etc.) to accommodate all movement and/or rotation. Non-UL listed grooved couplings shall not be used unless approved on project specific basis. See also Notes II and III on Pages 1-6 and 1-7.

XVII. Notes on Vertical Risers:

- Vertical piping systems supported at each floor shall be considered seismically braced if the penetration through each floor is tightly packed with approved firestops, satisfying NFPA 13-13 Section 9.3.5.8.5 and the floor to floor spacing does not exceed the maximum brace spacing tabulated in section 14. Top of risers exceeding 3 feet shall be provided with 3-way brace. Where the 4-way brace is attached to the horizontal piping, it shall be installed within 2 feet of the centerline of the riser.
- Vertical pipe riser in an open shaft must be attached to steel supports with both steel supports and connections sized to accept the combined gravity and seismic loads. Thermal loads shall be considered, where applicable. Lateral seismic restraint spacing shall not exceed the spacings tabulated in Section 14. Supports and connections must be engineered on a job by job basis subject to approval by the enforcement agency. Seismic relative displacement between floors shall be considered in the design.

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PAGE: **1-8**
 DATE: NOVEMBER 29, 2016

12/06/2016 OPM-0052-13: Reviewed for Code Compliance by Jeffrey Kikumoto Page 19 of 501

3.0 SEISMIC BRACING GENERAL REQUIREMENTS - MECHANICAL & PLUMBING PIPING (CONTINUED)

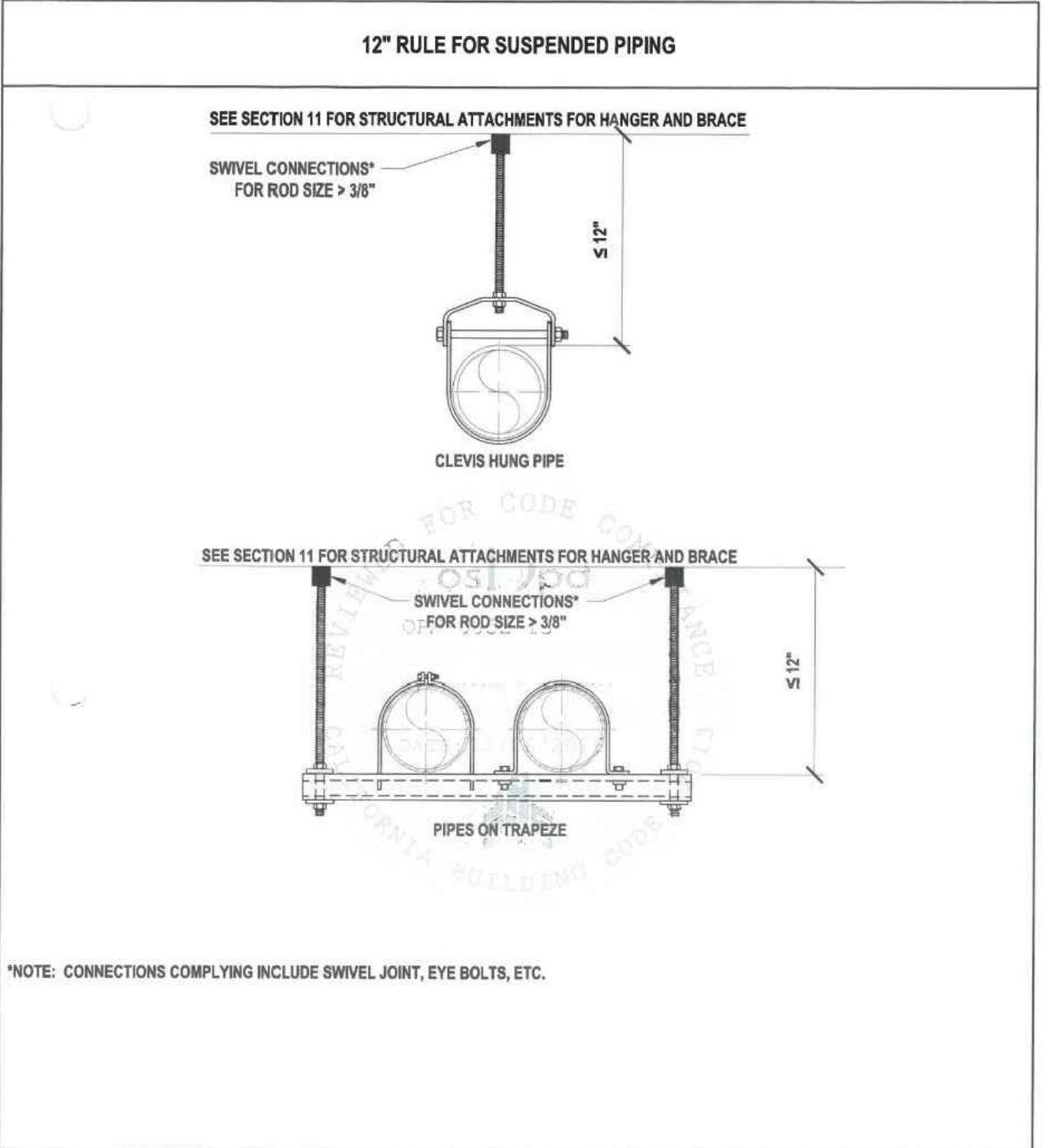
C. Vertical pipe risers subject to thermal expansion or contraction may be engineered to allow pipe movement and reduce load transfer between floors. Sliding guides and/or resilient anchors shall be employed to allow or control thermal movement while designed to accept seismic loads at maximum spacings tabulated in Section 14. Pipe penetrating cored holes at floor levels that are tightly packed may be considered as pipe guides. Where insulated pipes penetrate cored holes used as guides, a hard insulation insert that exceeds the floor depth at each end is required. Riser clamps or brackets shall be designed to transfer resultant horizontal and vertical loads from the pipe to the supports. Supports and connections must be engineered on a job by job basis subject to approval by the enforcement agency.

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 300 WEST MONROE STREET | HANFORD, CA 93230
 P: (800) 851-2415 | F: (800) 356-1428

M.K.H. Structural Engineer: Mohammad Hariri
 California SE No. 53545

PAGE: **1-8a**
 DATE: NOVEMBER 29, 2016

12/06/2016 OPM-0052-13: Reviewed for Code Compliance by Jeffrey Kikumoto Page 20 of 501



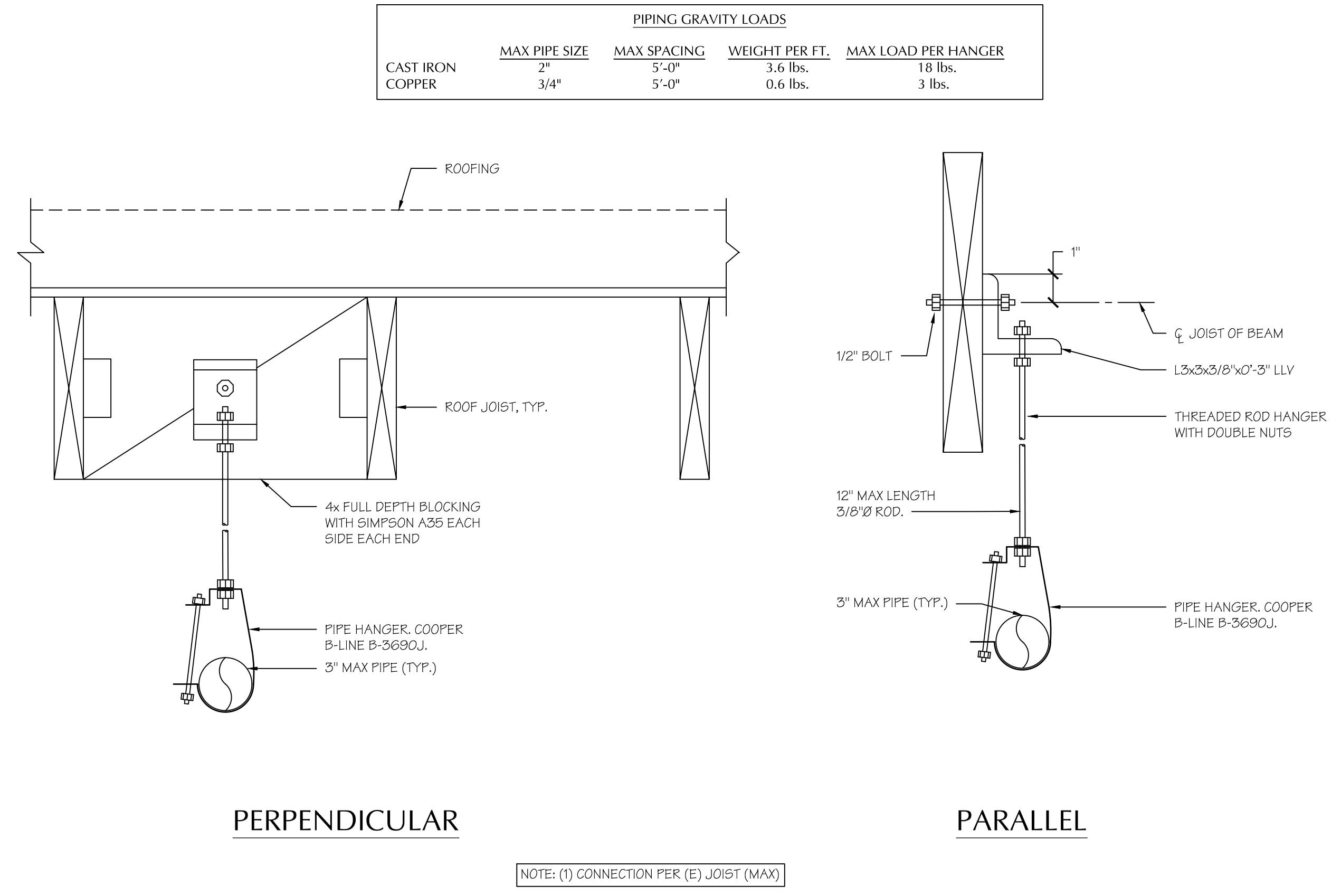
EATON EATON'S B-LINE BUSINESS
 300 WEST MONROE STREET | HANFORD, CA 93230
 P: (800) 851-2415 | F: (800) 356-1428

M.K.H. Structural Engineer: Mohammad Hariri
 California SE No. 53545

PAGE: **1-8b**
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12/06/2016 OPM-0052-13: Reviewed for Code Compliance by Jeffrey Kikumoto Page 21 of 501

12" RULE FOR SUSPENDED PIPES
 SCALE: 1/4"=1'-0" **A**



PIPE SUPPORT HANGER - GRAVITY LOAD ONLY (PARALLEL & PERPENDICULAR)
 SCALE: N.T.S. **B**

**CAMPUS HVAC
 SYSTEM UPGRADE**

Fremont Magnet
 Elementary School, CA 93307
 607 Texas St Bakersfield, CA 93307
 Bakersfield City School District

ARCHITECT

JAMES PATRICK FOGARTY, AIA
 ARCHITECT C-19670

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
 No. M68697
 MECHANICAL
 STATE OF CALIFORNIA

PROJECT INFO
 Project No: 566-0018
 Date: 09.14.22
 DSA File No: 154
 DSA No: 03-122640

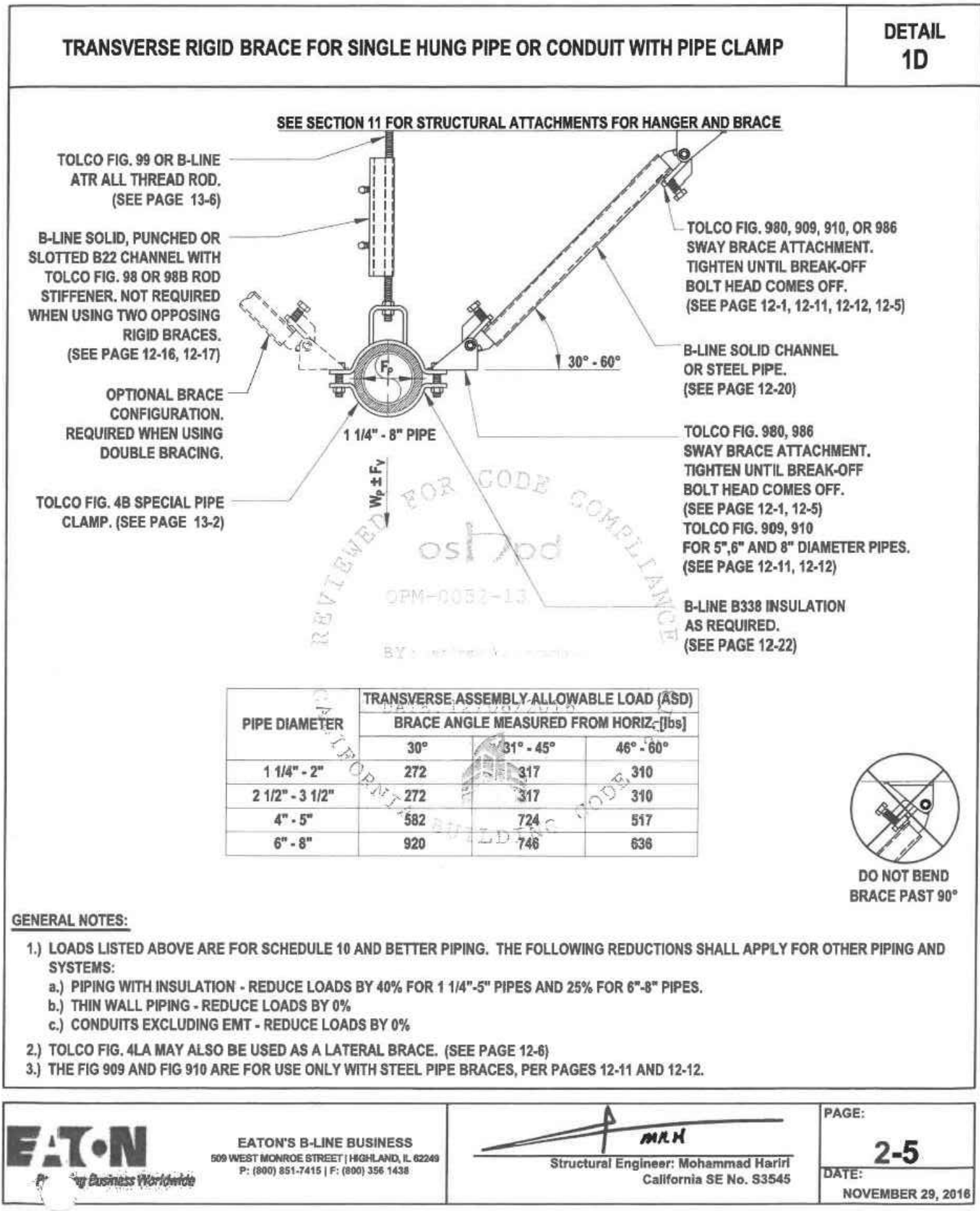
REVISIONS

No	Date	Item
1	00.00.08	DESCRIPTION

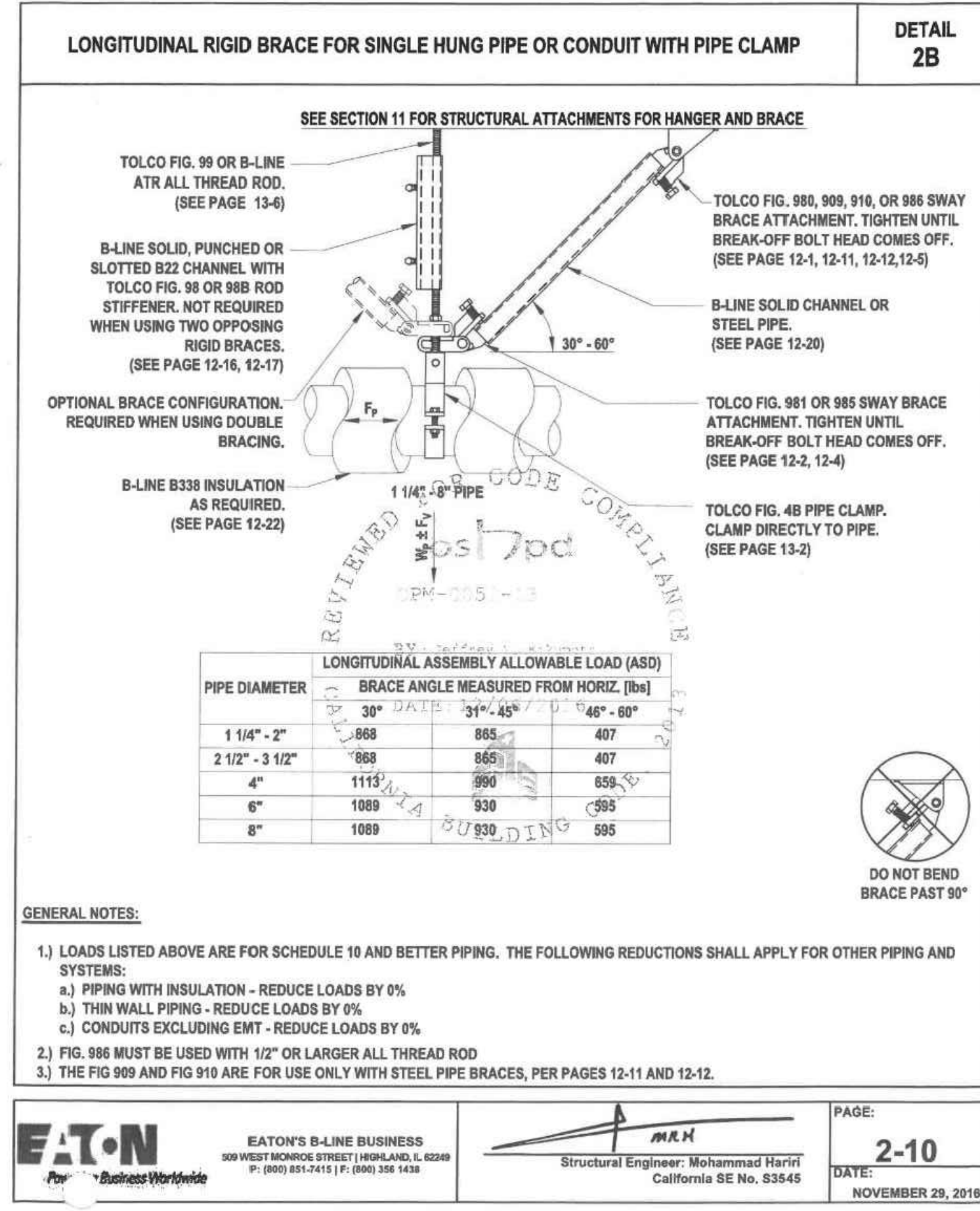
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 COPYRIGHT 11.03.23.16.41

SEISMIC BRACING DETAILS

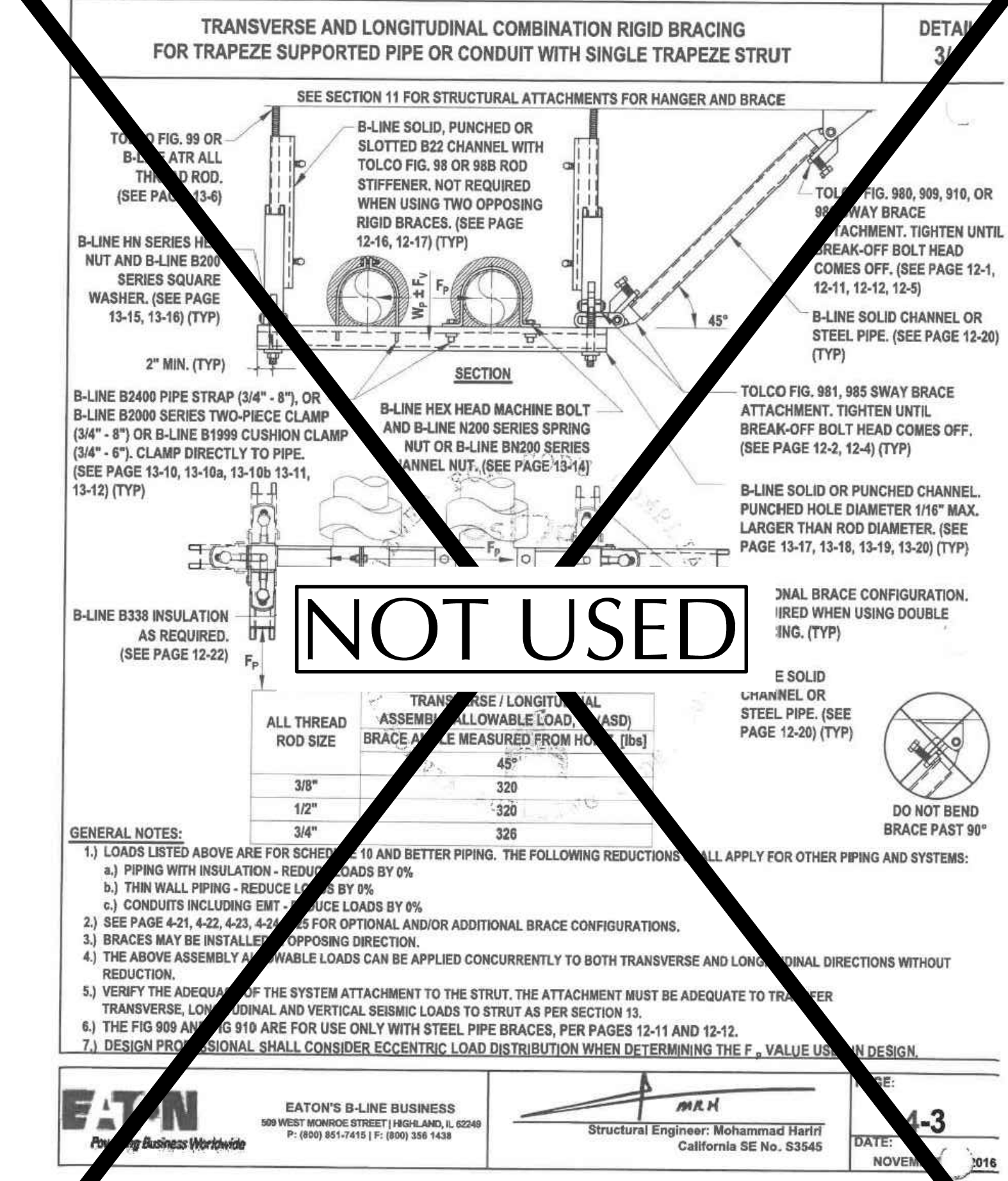
P8.01



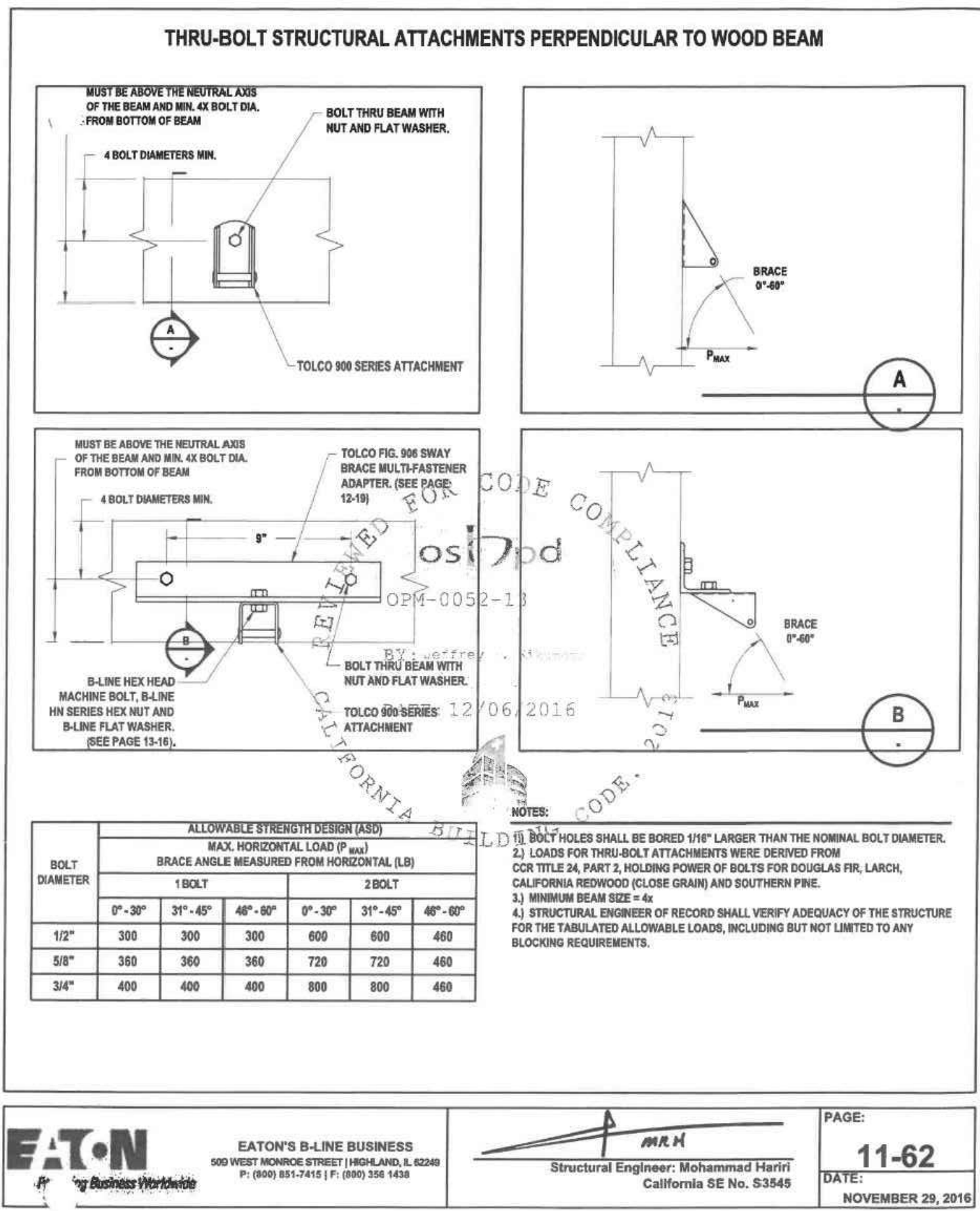
TRANSVERSE RIGID BRACE FOR SINGLE HUNG PIPE WITH PIPE CLAMP
 SCALE: NTS



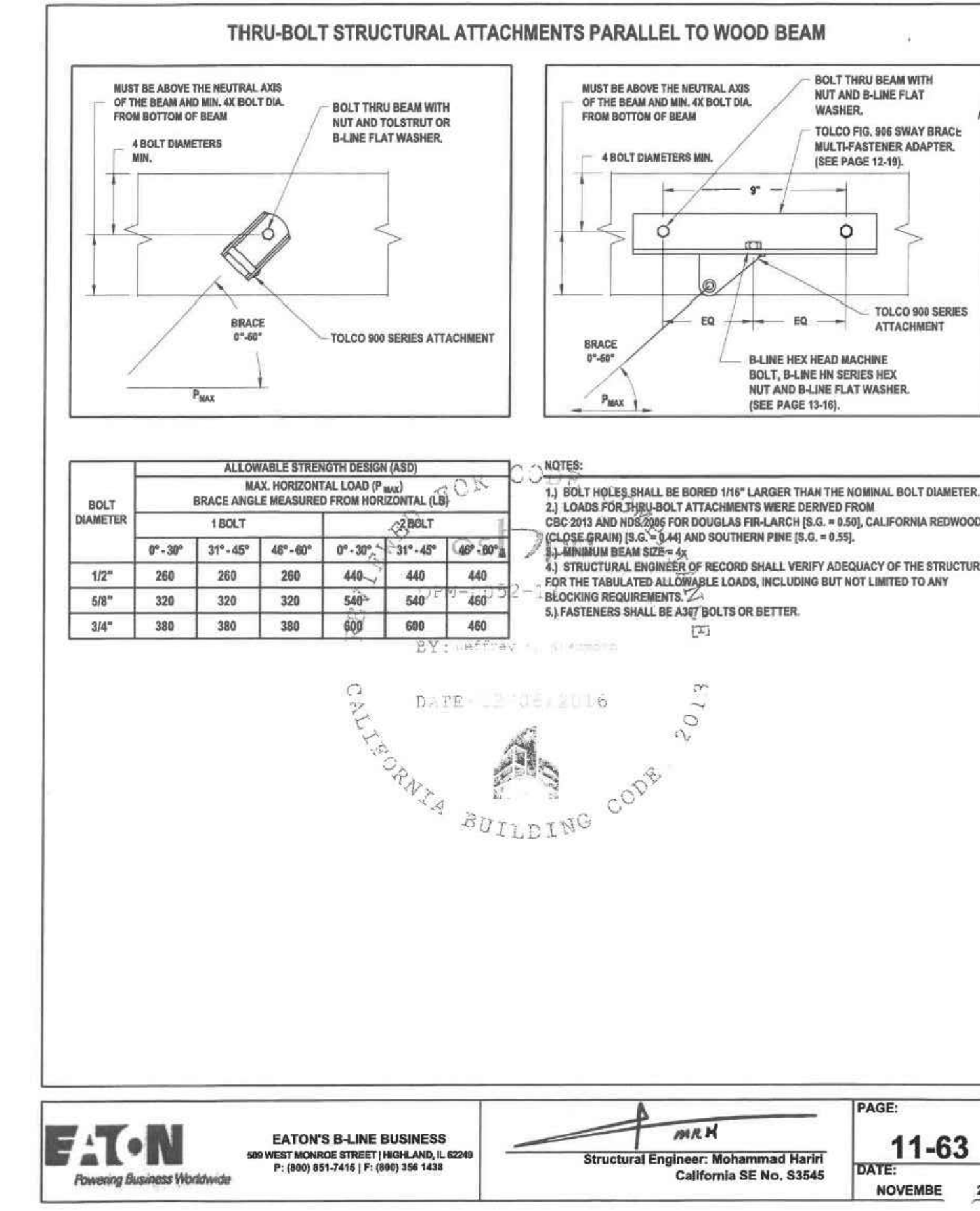
LONGITUDINAL RIGID BRACE FOR SINGLE HUNG PIPE WITH PIPE CLAMP
 SCALE: NTS



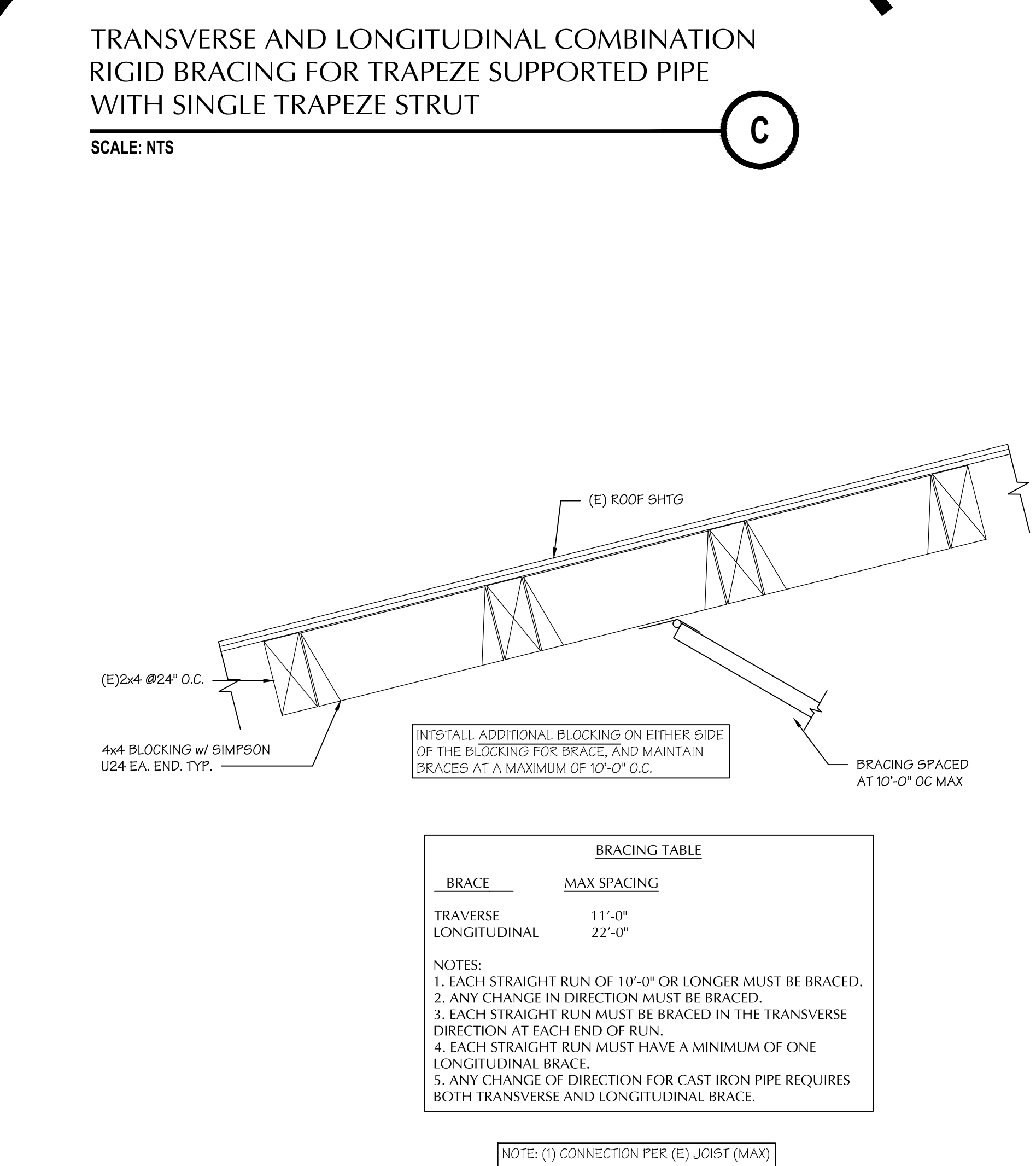
TRANSVERSE AND LONGITUDINAL COMBINATION RIGID BRACING FOR TRAPEZE SUPPORTED PIPE WITH SINGLE TRAPEZE STRUT
 SCALE: NTS



THRU-BOLT STRUCTURAL ATTACHMENTS PERPENDICULAR TO WOOD BEAM
 SCALE: NTS



THRU-BOLT STRUCTURAL ATTACHMENTS PARALLEL TO WOOD BEAM
 SCALE: NTS



BLOCKING FOR BRACE CONN.
 SCALE: NTS

LED FIXTURE SCHEDULE							
TYPE	MANUFACTURER AND CATALOG NUMBER	LED MODULE			DRIVER	OPTIC/LENS	REMARKS
		TYPE	COLOR TEMP	WATTS			
A 43	LITHONIA SPX 2X4 6000LM 80CRI 35K BFR MPL MIN10 ZT MVOLT MW		3500K	43	0-10V 10%	DIFFUSE	2X4 LED
B 34	LITHONIA FMLWL 848		4000K	34	0-10V	DIFFUSE	4 FT S/M WRAP
C 43	LITHONIA SPX 2X4 6000LM 80CRI 35K BFR MPL MIN10 ZT MVOLT MW-2X4SMKSHPPAE		3500K	43	0-10V 10%	DIFFUSE	2X4 LED W/ SURFACE MOUNT WRAP
E 1	ISOLITE DTH SWW UN		GREEN	1	ELV	GREEN	DUAL TECH
EM 6	ISOLITE BUG 6 WH		4000K	6	NICAD BATTERY	PRISMATIC	EM LIGHT

APPLICABLE CODE REQUIREMENTS

PERFORMANCE OF THE WORK OF THIS CONTRACT SHALL CONFORM TO THE REQUIREMENTS OF APPLICABLE GOVERNING CODES AND ORDINANCES INCLUDING THE FOLLOWING:

- 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
- 2022 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 C.C.R. (2020 IBC, VOLUMES 1-3 WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 C.C.R. (2020 N.E.C. WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 C.C.R (2020 U.M.C. WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 C.C.R. (2020 U.P.C. WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
- 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2012 I.F.C. WITH CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- NFPA 13 AUTOMATIC SPRINKLER SYSTEM -----2022 EDITION
- NFPA 14 STANDPIPE SYSTEM -----2019 EDITION
- NFPA 17A WET CHEMICAL SYSTEM -----2021 EDITION
- NFPA 24 PRIVATE SERVICE MAINS -----2022 EDITION
- NFPA 72 NATIONAL FIRE ALARM CODE -----2022 EDITION (NOTE SEE UL STANDARDS 1971 FOR ("VISUAL DEVICES"))

GENERAL NOTES

- VISIT JOB SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID.
- THE ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2022 CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE LOCAL ORDINANCES WHERE PLANS CALL FOR A HIGHER STANDARD THAN APPLICABLE CODES, THE PLANS SHALL GOVERN.
- CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS.
- ALL ELECTRICAL EQUIPMENT, APPLIANCES AND LIGHTING FIXTURES SHALL BE LISTED BY A RECOGNIZED TEST LAB AND BEAR THAT LABEL OR APPROVAL.
- CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL MATERIAL AND EQUIPMENT FOR THIS WORK UNLESS OTHERWISE NOTED.
- FURNISH DISCONNECT SWITCHES AT REMOTE MOTORS.
- ALL SPACES AS INDICATED ON PANELS OR SWITCHBOARDS SHALL BE COMPLETE WITH HARDWARE AND BUSSING FOR FUTURE BREAKER OR SWITCH.
- CHECK ARCHITECTURAL PLANS FOR DOOR SWINGS BEFORE INSTALLING SWITCH OUTLETS.
- GROUNDING AND BONDING SHALL BE PER CODE PLUS ANY ADDITIONAL PROVISIONS SPECIFIED OR SHOWN ON DRAWINGS.
- ALL CONDUIT RUNS SHALL CONTAIN A CODE SIZED GREEN GROUND WIRE.
- THESE PLANS ARE NOT COMPLETE UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL FEEDER CONDUCTORS SHALL BE IN CONDUIT BRANCH CIRCUITS MAY BE NON-METALLIC SHEATHED CABLE.
- ALL CONDUCTORS SHALL BE COPPER WITH TYPE THIN/THWN INSULATION.

ACCESSIBILITY NOTES

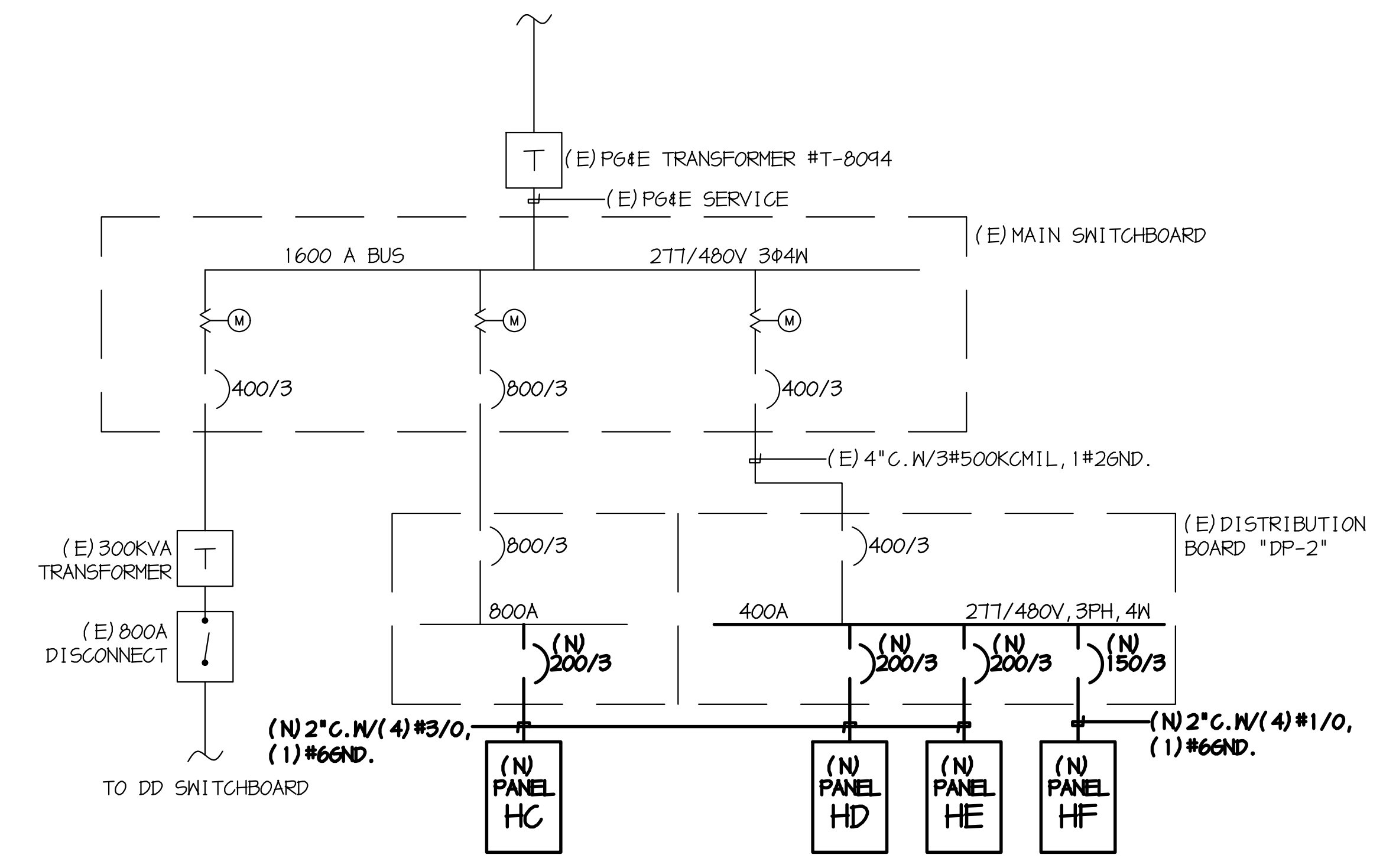
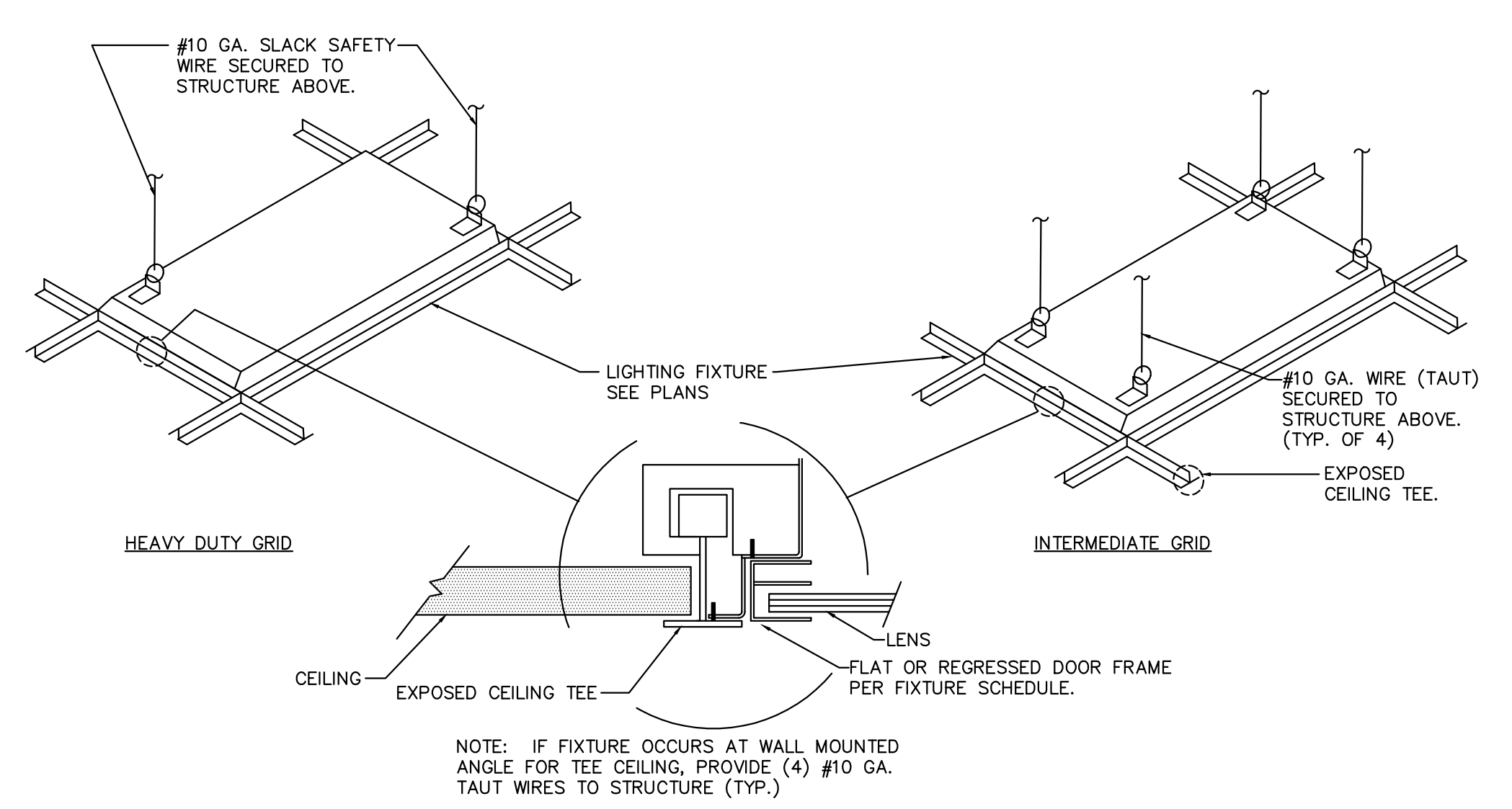
Installation of switches, outlets and controls to reflect the accessibility requirements of the 2019 CBC Chapters 11A and 11B for Accessibility.

- CBC 11B-308.1.1 Electrical controls and switches intended to be used by the occupant of a room or area shall be located within the allowable reach ranges. Low reach shall be measured from the bottom of the outlet box and high reach is measured to the top of the outlet box.
- CBC 11B-308.1.2 Electrical receptacle outlets on branch circuits of 30 amperes or less and communication system receptacles shall be located in the allowable reach range. Low reach shall be measured from the bottom of the outlet box and high reach is measured to the top of the outlet box.
- CBC 11B-308.2.1 High forward reach that is unobstructed shall be 48 inches maximum and the low forward reach shall be 15 inches minimum above finish floor or ground.
- CBC 11B-308.2 Forward Reach Obstructed - Electrical receptacle outlets shall be located no more than 44 inches measured from the top of the receptacle outlet box when the obstruction is over 20" and does not exceed 25". When the depth is less than 20" height can be increased to 48". (desk counters)
- CBC 11B-308.3 Side Reach Obstructed - Electrical receptacle outlets shall be located no more than 46 inches measured from the top of the receptacle outlet box when the obstruction is over 10" and does not exceed 24". When the depth is less than 10" height can be increased to 48".
- Overhang light fixtures or wall fixtures projecting more than 4" from the wall surface shall be a minimum of 80" above the walking surface.

SYMBOLS

- CONDUIT EXISTING
 - CONDUIT CONCEALED IN WALL OR CEILING
 - CONDUIT CONCEALED UNDER FLOOR OR BELOW GRADE
 - CONDUIT STUBBED OUT AND CAPPED
 - CONDUIT TURNED UP
 - CONDUIT TURNED DOWN
 - HATCH MARKS INDICATE NO. OF #12 WIRES IN CODE SIZED CONDUIT (3) MAX IN 1/2" C., (6) MAX IN 3/4" C., (8) MAX IN 1" C., NO MARKS = 2 #12
 - HOME RUN LETTER INDICATES PANEL, NUMBER(S) INDICATES CIRCUIT(S)
 - SAWCUT
 - GROUND CONNECTION
 - DISTRIBUTION SWITCHBOARD OR PANEL
 - PANEL, BRANCH CIRCUIT TYPE, SURFACE AND FLUSH SIGNAL TERMINAL CABINET, SURFACE & FLUSH
 - LINEAR SURFACE FIXTURE
 - OUTLET DATA: BAR INDICATES WALL MOUNT, LETTER INDICATES SWITCH CONTROL, NO. INDICATES CIRCUIT.
 - SURFACE FIXTURE ON FLUSH OUTLET.
 - RECESSED FIXTURE WITH JUNCTION BOX FOR THRU WIRING
 - EXIT LIGHT WITH ARROWS AS SHOWN ON PLANS, WALL AND CEILING MOUNT.
 - LOW LEVEL EXIT SIGN, +6" AFF, +4" FROM DOOR JAMB
 - LIGHT FIXTURE DESIGNATION, LETTER INDICATES TYPE, NO. INDICATES WATTAGE. SEE FIXTURE SCHEDULE
 - MECHANICAL EQUIPMENT DESIGNATION. SEE MECHANICAL DRAWINGS.
 - SPECIAL RECEPTACLE - SEE PLAN
 - METER
 - FLUSH FLOOR RECEPTACLE
 - RECEPTACLE, DUPLEX, 15A, 125V, NEMA 5-15R +18" UNO.
 - DUPLEX RECEPTACLE MTD. ABOVE BACKSPASH
 - DUPLEX RECEPTACLE W/LOWER HALF SWITCHED
 - GFI
 - GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
 - DOUBLE DUPLEX RECEPTACLE
 - CEILING RECEPTACLE
 - RECEPTACLE, DUPLEX, 20A, 125V, NEMA 5-20R +18" UNO.
 - JUNCTION BOX 4" SQUARE, 1-1/2" DEEP UNO.
 - THERMOSTAT F.D.O. +48"
 - MOTOR, NO. INDICATES HORSEPOWER
 - CLOCK OUTLET +T-6" UNO.
 - DISCONNECT SWITCH, NON-FUSED
 - DISCONNECT SWITCH FUSED HORSEPOWER RATED OR SIZED AS NOTED
 - COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH AND FUSES
 - MAGNETIC MOTOR STARTER W/OVERLOADS IN EACH PHASE
 - DIMMER W/INTEGRAL "ON-OFF" SW.
 - PUSHBUTTON
 - PHOTOCELL
 - SMOKE DETECTOR
 - TELEPHONE/COMPUTER/DATA OUTLET, TWO GANG BOX W/1 GANG COVERPLATE & GROMMETED OPENING +18" UNO.
 - CABLE TV OUTLET +18" UNO.
 - MOTION SENSOR
 - EXISTING SWITCH
 - SINGLE POLE SWITCH
 - DOUBLE POLE SWITCH
 - THREE WAY SWITCH
 - SWITCH W/PILOT LT.
 - MANUAL MOTOR STARTER
 - FIRE ALARM CONTROL PANEL
 - GFI
 - GROUND FAULT CIRCUIT INTERRUPTING
 - LST
 - LABOR SAVING TANDEM
 - MLO
 - MAIN LUBS ONLY
 - W/
 - C.O.
 - CONDUIT ONLY
 - W.P.
 - WEATHERPROOF
 - F.B.O.
 - FURNISHED BY OTHERS, INSTALL & CONNECT
 - U.N.O.
 - UNLESS NOTED OTHERWISE
 - N.E.C.
 - NATIONAL ELECTRICAL CODE
 - N.I.C.
 - NOT IN CONTRACT
 - (E)
 - EXISTING
 - (N)
 - NEW
 - (R)
 - REMOVE
 - (RL)
 - RELOCATE
 - S/M
 - SURFACE MOUNT
 - U/G
 - UNDERGROUND
 - CWP
 - COLD WATER PIPE
 - AFF
 - ABOVE FINISHED FLOOR
 - HAQR
 - HEATING AND AIR CONDITIONING RATED CIRCUIT BREAKER
 - N.L.
 - NIGHT LIGHT
- NOTE: NOT ALL SYMBOLS SHOWN ARE USED ON THIS PROJECT.

EXISTING ELECTRICAL SERVICES HAS BEEN INVESTIGATED AND FOUND TO HAVE ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION SHOWN ON THESE PLANS. SITE INSPECTOR IS TO WITNESS AND VERIFY GROUNDING TESTS



LIGHT FIXTURE SUPPORT DETAIL

SINGLE LINE DIAGRAM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122640 INC.
REVIEWED FOR
SS FLI ACS
DATE: 11/09/2023



3434 Truxtun Avenue, Suite 240
Bakersfield, California 93301
tel: 805.327.1690 fax: 805.327.7204
web: www.oparchitects.net

CAMPUS HVAC SYSTEM UPGRADE

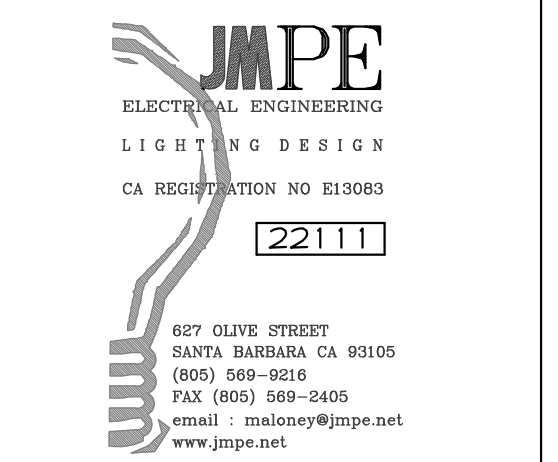
Fremont Magnet
Elementary School

607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



CONSULTANT



PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15.6
DSA No	03-122640

REVISIONS

No	Date	Item
00.00.08		DESCRIPTION
△	09.15.23	ELECTRICAL GEAR

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SINGLE LINE AND GENERAL NOTES

E-001

FIRE ALARM SEQUENCE OF OPERATION										
INPUT & OUTPUT MATRIX	SYSTEM INPUTS					SYSTEM OUTPUTS				
	AREA SMOKE DETECTOR	AREA HEAT DETECTOR	FIRE ALARM SYSTEM AC POWER FAILURE	FIRE ALARM SYSTEM LOW BATTERY	OPEN CIRCUIT	GROUND FAULT	NOTIFICATION WPLANCE CIRCUIT SHORT			
Control Unit Annunciation	ACTIVATE COMMON ALARM SIGNAL INDICATOR (RED LED)	●	●							
	ACTIVATE AUDIBLE ALARM SIGNAL (PIEZO BUZZER)	●	●							
	ACTIVATE COMMON SUPERVISORY SIGNAL INDICATOR (AMBER LED)									
	ACTIVATE AUDIBLE SUPERVISORY SIGNAL (PIEZO BUZZER)									
Notification	ACTIVATE COMMON TROUBLE SIGNAL INDICATOR (AMBER LED)			●	●	●	●	●	●	●
	ACTIVATE AUDIBLE COMMON TROUBLE SIGNAL (PIEZO BUZZER)			●	●	●	●	●	●	●
	ACTIVATE EVACUATION SIGNAL SPEAKERS / SPEAKER/STROBES	●	●							
	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	●	●							
Supplementary	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION									
	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION			●	●	●	●	●	●	●

FIRE LIFE SAFETY NOTES

- CBC 3401.12 - BUILDING AND PARTS OF THEREOF SHALL BE MAINTAINED IN A SAFE AND SANITARY CONDITION. DEVICES OR SAFEGUARDS WHICH ARE REQUIRED BY THIS CODE SHALL BE MAINTAINED IN CONFORMANCE WITH THE CODE EDITION UNDER WHICH INSTALLED. THE OWNER OR THE OWNERS DESIGNATED AGENT SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF BUILDING.
- CFC 503.1; TITLE 19 DIVISION 1 §3.05 MAINTAIN FIRE ACCESS ROUTE(S). PUBLIC STREET ACCESS - PROVIDE SIGN(S) NO PARKING FIRE LANE WITH CALIFORNIA VEHICLE CODE 22500.1' AND DETAIL. (OR INCLUDE NOTE - EXISTING NO PARKING FIRE LANE SIGN TO BE FIELD VERIFIED BY IOR)
- CFC 503.1 - MAINTAIN / PROVIDE KEY BOXES FOR FIRE DEPARTMENT ACCESS, AS APPROPRIATE.
- CFC 701.2 - WHERE ANY COMPONENTS IN THIS CHAPTER ARE NOT MAINTAINED AND DO NOT FUNCTION AS INTENDED OR DO NOT HAVE THE FIRE RESISTANCE REQUIRED BY THE CODE UNDER WHICH THE BUILDING WAS CONSTRUCTED, REMODELED OR ALTERED, SUCH COMPONENT(S) OR PORTIONS THEREOF SHALL BE DEEMED AN UNSAFE CONDITION, IN ACCORDANCE WITH SECTION 110.1.1. COMPONENTS OR PORTIONS THEREOF DETERMINED TO BE UNSAFE SHALL BE REPAIRED OR REPLACED TO CONFORM TO THAT CODE UNDER WHICH THE BUILDING WAS CONSTRUCTED, REMODELED, ALTERED OR THIS CHAPTER, AS DEEMED APPROPRIATE BY THE FIRE CODE OFFICIAL.
- CFC 703.1 AND TITLE 19 DIVISION 1 § 1.14 - THE REQUIRED FIRE-RESISTANCE RATING OF FIRE-RESISTANCE CONSTRUCTION (INCLUDING WALLS, FIRESTOPS, SHAFT ENCLOSURES, PARTITIONS, SMOKE-BARRIERS, FLOORS, FIRE-RESISTIVE COATINGS AND SPRAYED FIRE-RESISTANT MATERIALS APPLIED TO STRUCTURAL MEMBERS AND FIRE-RESISTANT JOINTS SYSTEMS) SHALL BE MAINTAINED. SUCH ELEMENTS SHALL BE VISUALLY INSPECTED BY THE OWNER AND PROPERLY REPAIRED, RESTORED OR REPLACED WHEN DAMAGED, BREACHED OR PENETRATED. OPENINGS THROUGH FIRE-RESISTANCE-RATED ASSEMBLIES SHALL BE PROTECTED BY SELF- OR AUTOMATIC-CLOSING DOORS OF APPROVED CONSTRUCTION MEETING THE FIRE PROTECTION REQUIREMENTS FOR THE ASSEMBLY.
- CFC 703.2 - OPENING PROTECTIVE SHALL BE MAINTAINED IN AN OPERATIVE CONDITION IN ACCORDANCE WITH NFPA 80. FIRE DOORS AND SMOKE BARRIER DOORS SHALL NOT BE BLOCKED OR OBSTRUCTED OR OTHERWISE BE MADE INOPERABLE. FUSIBLE LINKS SHALL BE REPLACED PROMPTLY WHENEVER FUSED OR DAMAGED. FIRE ASSEMBLIES SHALL NOT BE MODIFIED.
- CFC 901.4; 907.8.5 AND TITLE 19 DIVISION 1 § 1.14 - INSTALLATION FIRE PROTECTION SYSTEM SHALL BE MAINTAINED IN ACCORDANCE WITH ORIGINAL INSTALLATION STANDARDS FOR THAT SYSTEM. REQUIRED SYSTEMS SHALL BE EXTENDED, ALTERED OR AUGMENTED AS NECESSARY TO MAINTAIN AND CONTINUE PROTECTION WHENEVER THE BUILDING IS ALTERED, REMODELED OR ADDED TO. ALTERATIONS TO FIRE PROTECTION SYSTEM SHALL BE DONE IN ACCORDANCE WITH APPLICABLE STANDARDS.
- TITLE 19 DIVISION 1 § 1.14 - EVERY FIRE ALARM SYSTEM OR DEVICE, SPRINKLER SYSTEM, FIRE EXTINGUISHER, FIRE HOSE, FIRE-RESISTIVE ASSEMBLY OR ANY OTHER FIRE SAFETY ASSEMBLY, DEVICE MATERIAL OR EQUIPMENT INSTALLED AND RETAINED IN SERVICE IN ANY BUILDING OR STRUCTURE SUBJECT TO CALIFORNIA CODE OF REGULATIONS, TITLE 19 DIVISION 1 REGULATIONS SHALL BE MAINTAINED IN AN OPERABLE CONDITION AT ALL TIMES IN ACCORDANCE WITH CALIFORNIA CODE OF REGULATIONS TITLE 19 DIVISION 1 REGULATIONS AND WITH THEIR INTENDED USE.
- TITLE 19 DIVISION 1 §3.24 - UPON DISRUPTION OF DIMINISHMENT OF THE FIRE PROTECTIVE QUALITIES OF SUCH EQUIPMENT, MATERIAL OR SYSTEMS IMMEDIATE ACTION SHALL BE INSTITUTED TO EFFECT A REESTABLISHMENT OF SUCH EQUIPMENT MATERIAL OR SYSTEMS TO THEIR ORIGINAL NORMAL OPERATIONAL CONDITION.
- CFC 901.5.1 - IT SHALL BE UNLAWFUL TO OCCUPY ANY PORTION OF A BUILDING OR STRUCTURE UNTIL THE REQUIRED FIRE DETECTION, ALARM SYSTEM HAS BEEN TESTED AND APPROVED.
- CFC 901.5.1 - IT SHALL BE UNLAWFUL TO OCCUPY ANY PORTION OF A BUILDING OR STRUCTURE UNTIL THE REQUIRED FIRE DETECTION, ALARM SYSTEM HAS BEEN TESTED AND APPROVED.
- FIRE ALARM SCOPE REQUIRES DSA APPROVED DRAWINGS FOR REFERENCE OF AREAS IN SCOPE INCLUDE COMPLIANT FIRE ALARM COMPONENTS (SMOKE-HEAT-AUDIBLE-VISUAL-MANUAL), (STATEMENT OF COMPLIANCE PER CFC 901.2.1; 901.6.2.1 & TITLE 19 DIVISION 1 § 904.1(b) 904.2(c) RECORD AS-BUILT DRAWINGS AND TEST REPORTS.) ROOMS / AREAS IN SCOPE TO INCLUDE EXISTING FIRE ALARM COMPONENTS.
- CFC 1030.1 - THE MEANS OF EGRESS FOR BUILDING OR PORTIONS THEREOF SHALL BE MAINTAINED IN ACCORDANCE WITH THIS SECTION.
- CFC 1030.4 - EXIT SIGNS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH SECTION 1011.
- CFC CHAPTER 11, PROVISIONS APPLICABLE TO EXISTING BUILDING.
- CFC CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION APPLICABLE PROVISIONS TO BE REPLICATED VERBATIM - SAMPLE SECTIONS - 3304 PRECAUTIONS AGAINST FIRE; 3304.2 WASTE DISPOSAL; 3304.5 FIRE WATCH; 3304.6 CUTTING AND WELDING; 3305 FLAMMABLE AND COMBUSTIBLE LIQUIDS; 3306 OWNERS RESPONSIBILITY; 3310 ACCESS FOR FIREFIGHTING; 3311 MEANS OF EGRESS; 3315 FIRE EXTINGUISHERS.

FIRE ALARM SYSTEM REQUIREMENTS

- APPLICABLE STANDARD 2022 NFPA 72
- INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
- UPON COMPLETION OF THE INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.
- A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
- DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND / OR TESTING.
- ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER LAB TESTING CRITERIA. APPROVED TYPE OF MATERIALS SHALL BE IDENTIFIED WITHIN THE SPECIFICATION WITHIN THE FIRE ALARM SECTION.
- WALL MOUNTED VISUAL NOTIFICATION DEVICES SHALL HAVE THEIR ENTIRE LENS TO BE BETWEEN 80" AND 90" FROM FINISHED FLOOR.
- WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.
- AUDIBLE DEVICES TO BE AT LEAST 15 DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75 DBA AT 4 FEET OR MORE THAN 110 DBA AT THE MINIM HEARING DISTANCE. SOUND LEVEL SHALL BE MAINTAINED FOR DURATION OF AT LEAST 60 SECTIONS 5 DBA MUST BE MAINTAINED.
- AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
- THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
- VISUAL DEVICES SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISUAL DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
- UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATERTIGHT FITTINGS AND WIRE TO BE APPROVAL FOR WET LOCATIONS.
- ALL FIRE ALARM WIRING SHALL BE FLP OR FLP/F (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THIN OR THWN.
- PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. THERE MUST BE AT LEAST 6' OF LEAD WIRE FROM THE BOX TO THE DEVICE. ALL BOXES TO BE SIZED PER CEC.
- SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
- ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE FLOOR AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
- FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
- A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
- THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NFPA 72, REQUIREMENTS.
- CONTROL PANELS, REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" 23" THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.3.
- SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
- OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.
- A DSA CLASS 3 INSPECTOR SHALL BE HIRED BY THE DISTRICT AND APPROVED BY DSA TO INSPECT THIS PROJECT.

APPLICABLE CODE: 2022 CBC

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

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

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OF STRUCTURE ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCAI GPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

ELECTRICAL DISTRIBUTION SYSTEMS (E):

DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

FIRE WATCH, FIRE MARSHAL REQUIREMENTS:

REQUIREMENTS FOR DISABLING THE FIRE ALARM SYSTEM;

- AS REQUIRED BY THE 2019 CALIFORNIA FIRE CODE, STANDBY PERSONNEL OR SYSTEMS TEMPORARILY "OUT OF SERVICE". THE LOCAL FIRE MARSHAL IS AUTHORIZED TO REQUIRE THE CONTRACTOR TO PROVIDE STANDBY PERSONNEL AS SET FORTH IN THESE SECTIONS, UNTIL THE SYSTEM IS RESTORED TO OPERATION.
- SUCH INDIVIDUAL SHALL BE SUBJECT TO THE LOCAL FIRE MARSHAL'S ORDER AT ALL TIMES WHEN SO EMPLOYED AND SHALL REMAIN ON DUTY DURING THE TIME SUCH PLACES ARE OPEN TO THE PUBLIC OR WHEN SUCH PUBLIC ACTIVITY IS BEING CONDUCTED. FIRE WATCH PERSONNEL SHALL BE PROVIDED WITH AT LEAST ONE APPROVED MEANS FOR NOTIFICATION OF THE FIRE DEPARTMENT.
- SUCH INDIVIDUALS SHALL KEEP A DILIGENT WATCH FOR FIRES AND BE ABLE TO TAKE PROMPT AND APPROPRIATE ACTION IN THE EVENT OF A FIRE. SUCH INDIVIDUALS SHALL NOT BE REQUIRED OR PERMITTED, WHILE ON DUTY, TO PERFORM ANY OTHER DUTIES THAN THESE HEREIN SPECIFIED.

FIRE ALARM SYMBOL LIST MATRIX				
SYMBOL	DEVICE	MFR & CAT#	REMARKS	CSFM LISTING
■	MAIN FIRE ALARM PANEL	NOTIFIER N16X	SURFACE MOUNT W/ SOFTWARE UPDATE	7165-0028-0516
DPM	ADDRESSABLE DISTRIBUTED POWER MODULE	NOTIFIER ACP5-610	SURFACE MOUNT U.N.O.	7315-0028-0243
DAC	FIRE ALARM COMMUNICATOR	NOTIFIER 411UDACT	PART OF NFS2-640	7300-0075-0174
SD	SMOKE DETECTOR	NOTIFIER FSP-851	PROVIDE BASE B210 LP(A) ON 4" SQ. DEEP BOX	7272-0028-0206
HD	HEAT DETECTOR (IN ATTIC SPACE)	NOTIFIER FST851H	PROVIDE BASE B210 LP(A) ON 4" SQ. DEEP BOX	7270-0028-0196
F	ADDRESSABLE MANUAL PULL STATION	NOTIFIER NBG-12X	PROVIDE 4" SQ. DEEP BOX	7150-0028-0199
MM	MONITOR MODULE	NOTIFIER FMM-1(A)	4" SQ. DEEP EXTENSION & DBL GANG	7300-0028-0219
RM	RELAY MODULE	NOTIFIER FRM-1(A)	4" SQ. DEEP BOX	7300-0028-0219
ANN	ANNUNCIATOR	NOTIFIER NCD	S/M	7165-0028-0516
AV	SPEAKER STROBE	NOTIFIER SPSR AV CM	PROVIDE DEEP SQ. J-BOX	7320-1653-0201
AV	SPEAKER STROBE	NOTIFIER SPSR AV VM	PROVIDE DEEP SQ. J-BOX	7320-1653-0505
WP	EXTERIOR SPEAKER	SYSTEM SENSOR SPRK	PROVIDE MWBB BACKBOX	7320-1653-0201
	FPLR CABLE	WESTPENN 975	18/2 BARE, CU, SHIELDED	7161-0859-0101
	FPLR CABLE	WESTPENN 998	12/2 SOLID, CU, UNSHIELDED	7161-0859-0101
	FPLR CABLE	WESTPENN AQ294	18/2 STRANDED, CU, SHIELDED W/ AQUASEAL	7161-0859-0101
	FPLR CABLE	WESTPENN AQ294	18/2 STRANDED, CU, SHIELDED W/ AQUASEAL	7161-0859-0101

NEW FACP BATTERY CALCULATION FACP, NOTIFIER INSPIRE #NIG#

EQUIPMENT DESCRIPTION	QUANTITY		SUPERVISORY CURRENT (AMPERES)		ALARM CURRENT (AMPERES)	
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTAL
FIRE ALARM PANEL	0	1	0.25	0.25	0.25	0.25
KDM	0	0	0.1	0	0.1	0
DIGITAL ALARM COMMUNICATOR	1	0	0.052	0.052	0.087	0.087
DVC	1	0	0.44	0.44	0.44	0.44
DAA 5025	1	0	0.35	0.35	1.9	1.9
PULL STATION	0	1	0.0003	0.0003	0.0005	0.0005
SMOKE DETECTOR	0	167	0.00039	0.06513	0.00039	0.06513
HEAT DETECTOR	0	50	0.00035	0.0175	0.00035	0.0175
VISUALS 15cd	0	16			0.068	1.056
VISUALS 30cd	0	0			0.077	0
VISUALS 75cd	0	17			0.158	2.686
SUB TOTAL AMPERES				1.17493 AMPS		6.50213 AMPS
SUB TOTAL AMPERE-HOURS				x 24 HOURS		X 0.25 HOURS
				28.19832 A.H.		1.625333 A.H.
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIBUTED POWER MODULE						29.82385 A.H.
BATTERY NON-LINEAR DISCHARGE CHARACTERISTIC FACTOR						x 1.2
TOTAL MINIMUM AMPERE HOURS REQUIRED						35.78862 A.H.
PROVIDED BATTERY CAPACITY						55.00 A.H.

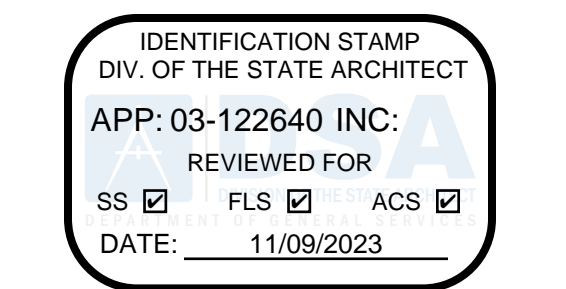
CONTROL STATION MONITORING
 COMPANY NAME: KIMBERLITE CORP, DBA SONITROL
 ADDRESS: 6321 W BEECHWOOD AVE, FRESNO, CA 93711
 PHONE: 861-324-6440
 LICENSE: 9000-599-540
 UL LISTING CERTIFICATE: WFX #56535-1

EXISTING FACP BATTERY CALCULATION MFACP, NOTIFIER NFS2-640

EQUIPMENT DESCRIPTION	QUANTITY		SUPERVISORY CURRENT (AMPERES)		ALARM CURRENT (AMPERES)	
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTAL
FIRE ALARM PANEL	1	0	0.25	0.25	0.25	0.25
KDM	0	0	0.1	0	0.1	0
DIGITAL ALARM COMMUNICATOR	1	0	0.052	0.052	0.087	0.087
DVC	1	0	0.44	0.44	0.44	0.44
DAA 5025	1	0	0.35	0.35	1.9	1.9
VISUALS 15cd	0	10			0.068	0.68
VISUALS 30cd	0	27			0.077	2.079
VISUALS 75cd	0	16			0.158	2.528
SUB TOTAL AMPERES				1.092 AMPS		7.944 AMPS
SUB TOTAL AMPERE-HOURS				x 24 HOURS		X 0.25 HOURS
				26.208 A.H.		1.986 A.H.
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIBUTED POWER MODULE						28.194 A.H.
BATTERY NON-LINEAR DISCHARGE CHARACTERISTIC FACTOR						x 1.2
TOTAL MINIMUM AMPERE HOURS REQUIRED						33.8328 A.H.
PROVIDED BATTERY CAPACITY						55.00 A.H.

EXISTING FACP BATTERY CALCULATION DPM-B

EQUIPMENT DESCRIPTION	QUANTITY		SUPERVISORY CURRENT (AMPERES)		ALARM CURRENT (AMPERES)	
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTAL
FIRE ALARM PANEL	0	0	0.25	0	0.25	0
KDM	0	0	0.1	0	0.1	0
DIGITAL ALARM COMMUNICATOR	0	0	0.052	0	0.087	0
DVC	0	0	0.44	0	0.44	0
DAA 5025	0	0	0.35	0	1.9	0
VISUALS 15cd	0	6			0.068	0.396
VISUALS 30cd	0	0			0.077	0
VISUALS 75cd	0	21			0.158	3.318
SUB TOTAL AMPERES				0 AMPS		3.714 AMPS
SUB TOTAL AMPERE-HOURS				x 24 HOURS		X 0.25 HOURS
				0 A.H.		0.9285 A.H.
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIBUTED POWER MODULE						0.9285 A.H.
BATTERY NON-LINEAR DISCHARGE CHARACTERISTIC FACTOR						x 1.2
TOTAL MINIMUM AMPERE HOURS REQUIRED						1.1142 A.H.
PROVIDED BATTERY CAPACITY						55.00 A.H.



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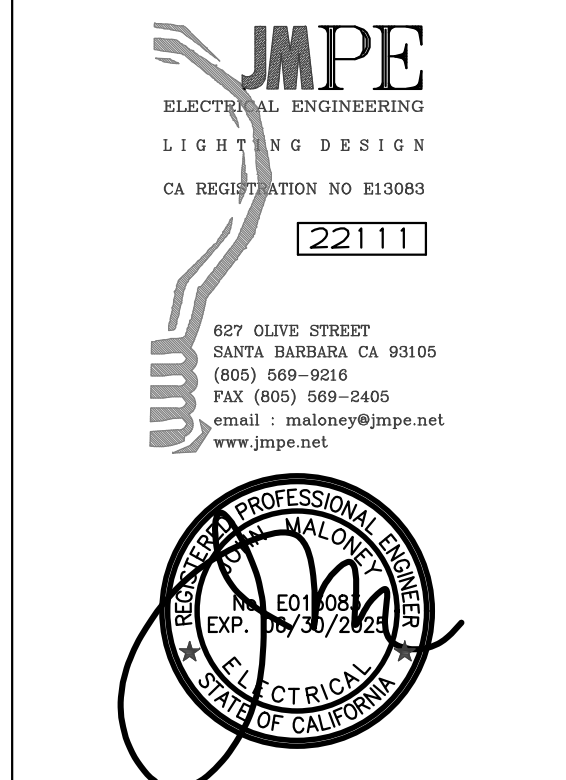
CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School
 607 Texas St Bakersfield, CA 93307
 Bakersfield City School District

ARCHITECT



CONSULTANT



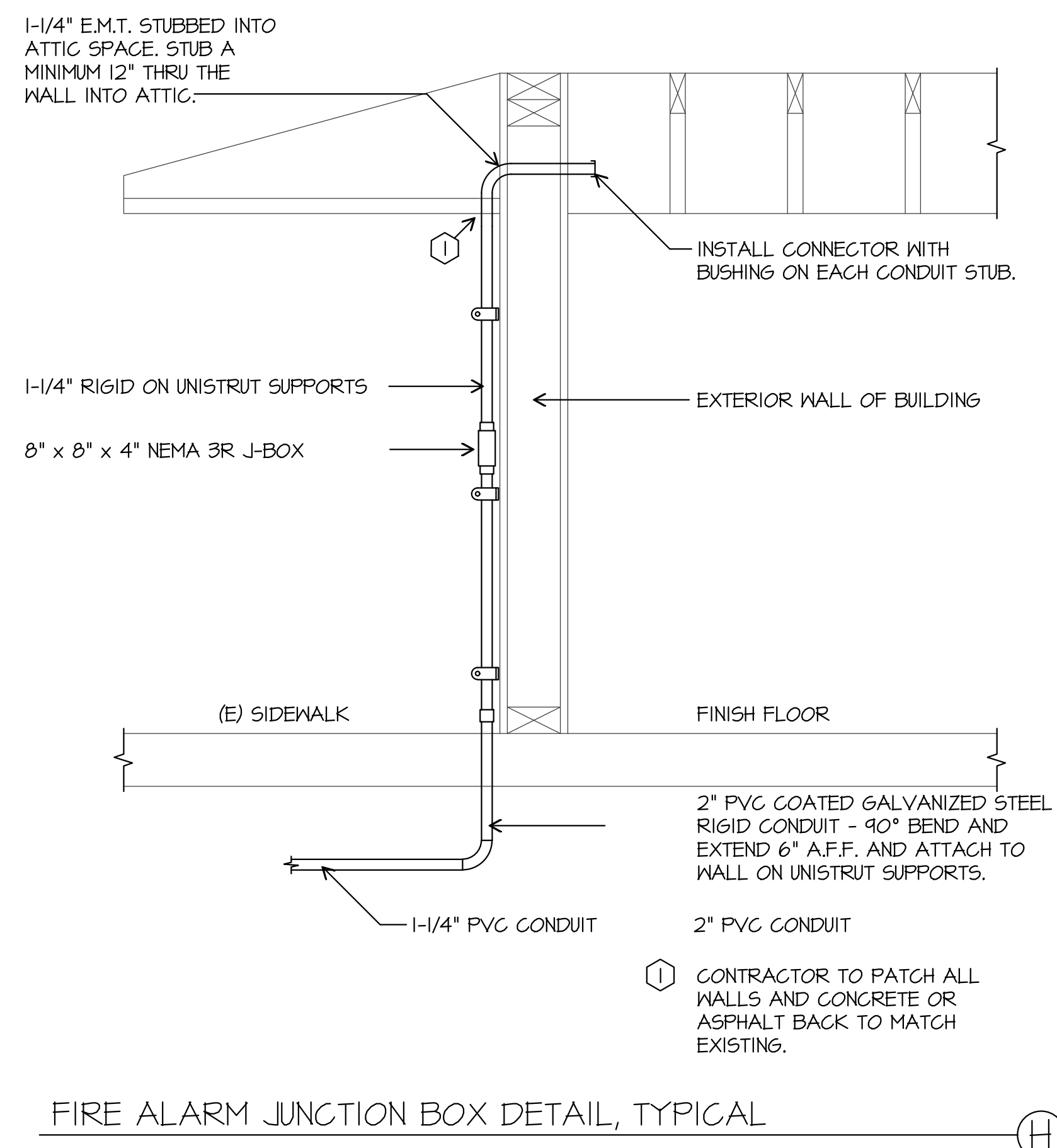
PROJECT INFO	
Project No	566-0118
Date	09.08.23
DSA File No	15-6
DSA No	03-122640

REVISIONS

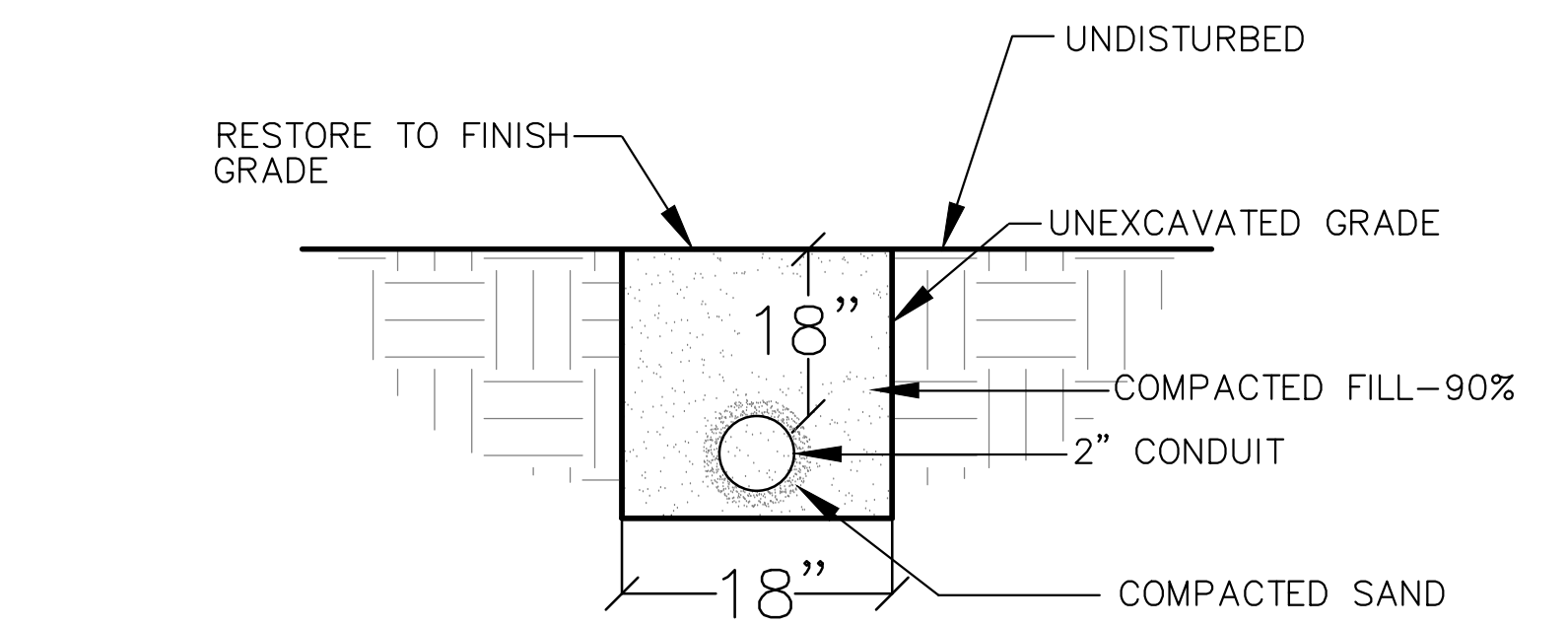
No	Date	Item
00.00.08		DESCRIPTION
09.15.23		ELECTRICAL GEAR

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FIRE ALARM CALCULATIONS



FIRE ALARM JUNCTION BOX DETAIL, TYPICAL

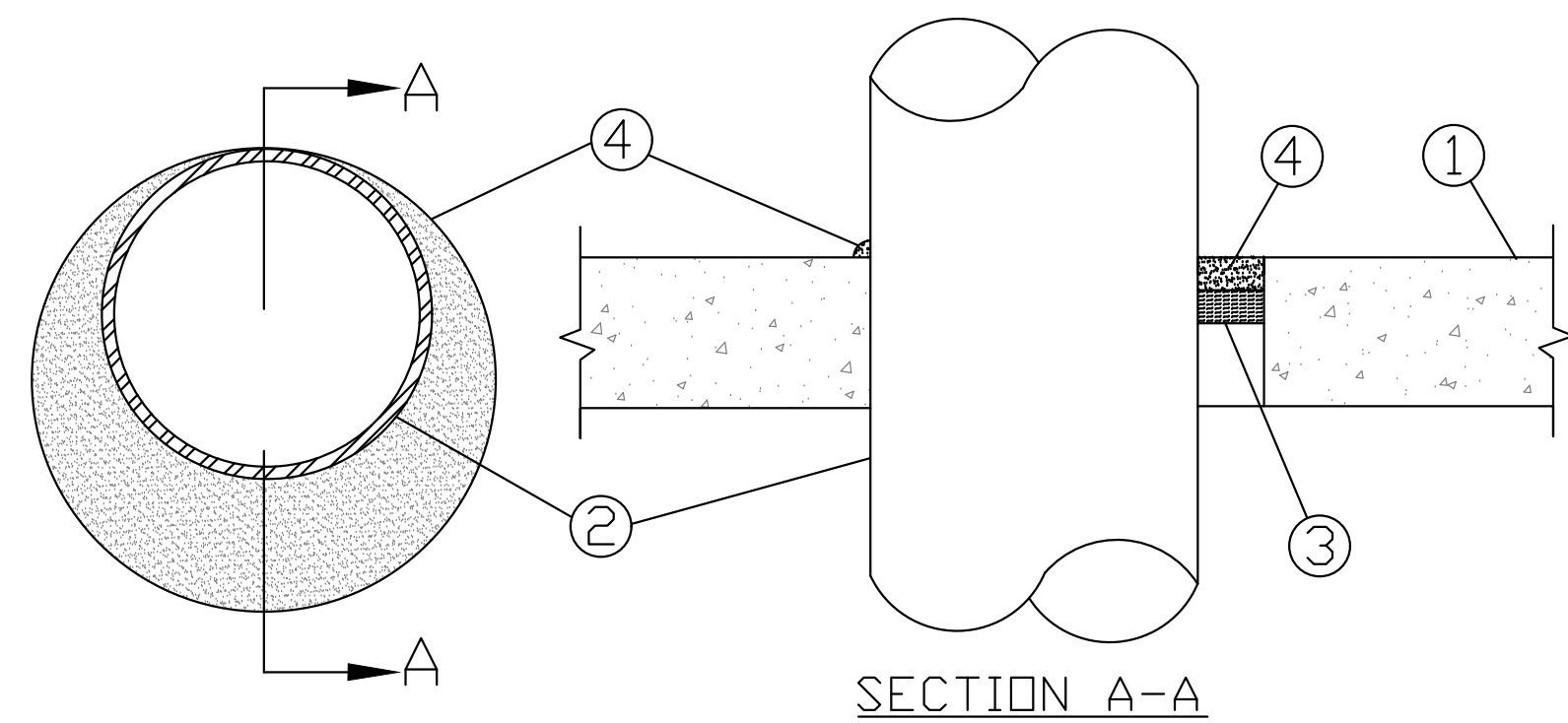


TRENCH DETAIL

SCALE: NONE

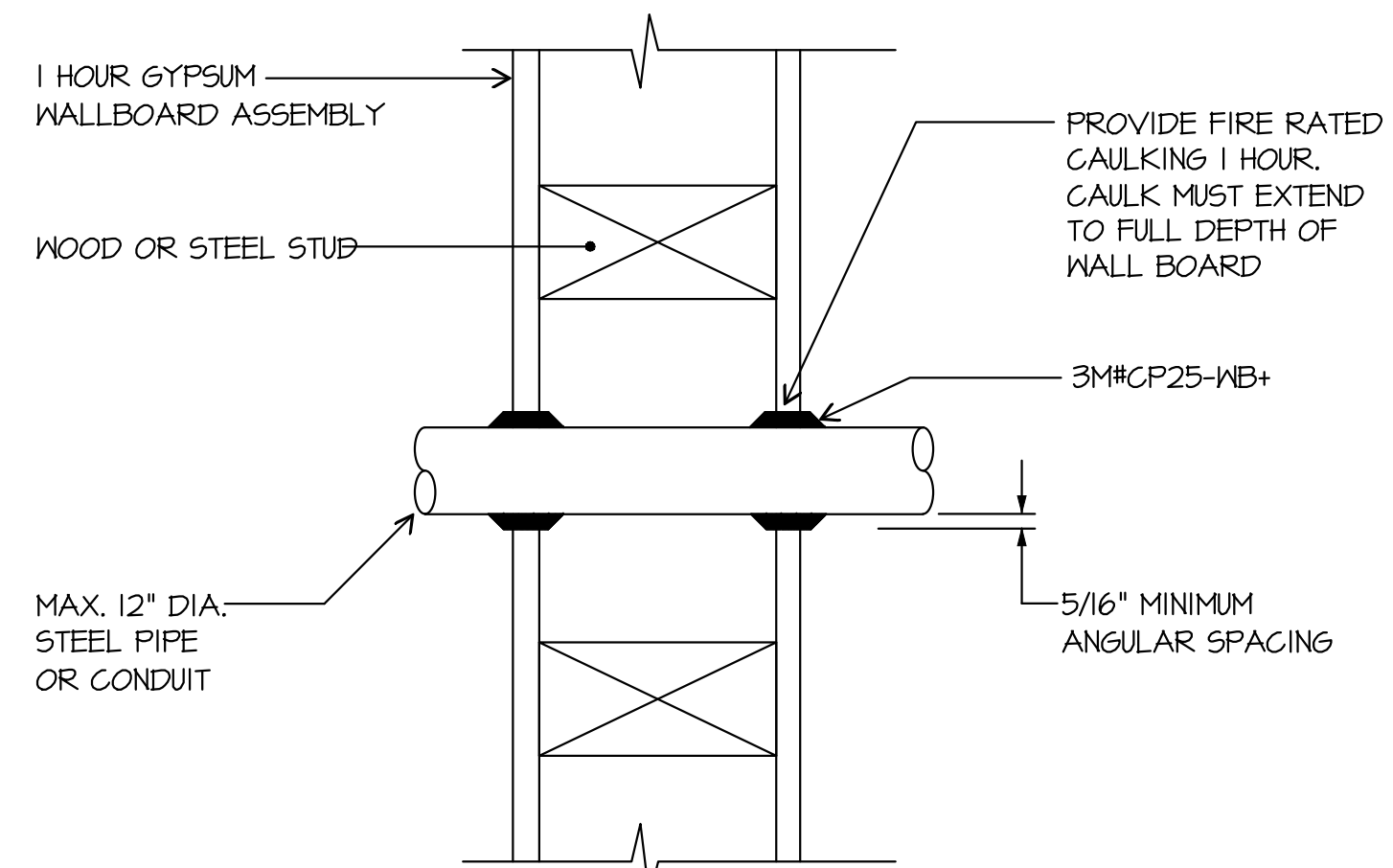
NOTE: THIS MATERIAL WAS EXTRACTED BY 3M FIRE PROTECTION PRODUCTS FROM THE 2004 EDITION OF THE UL FIRE RESISTANCE DIRECTORY.

System No. C-AJ-1001
June 15, 2005
F Rating - 3 Hr
T Rating - 0 Hr
W Rating - Class I (See Item 4)



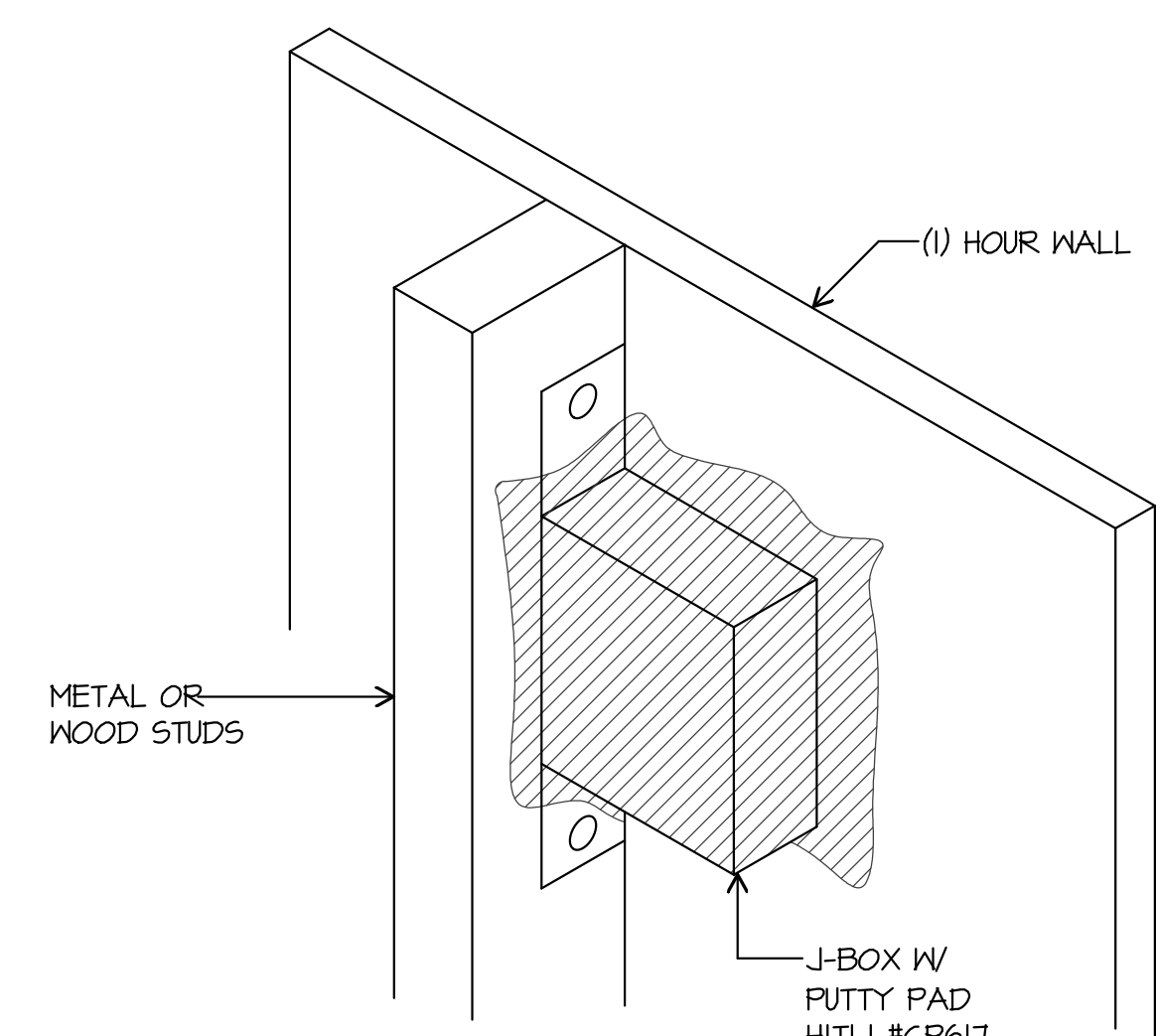
BLOCK WALL FIRE BARRIER DETAIL

SCALE: NONE



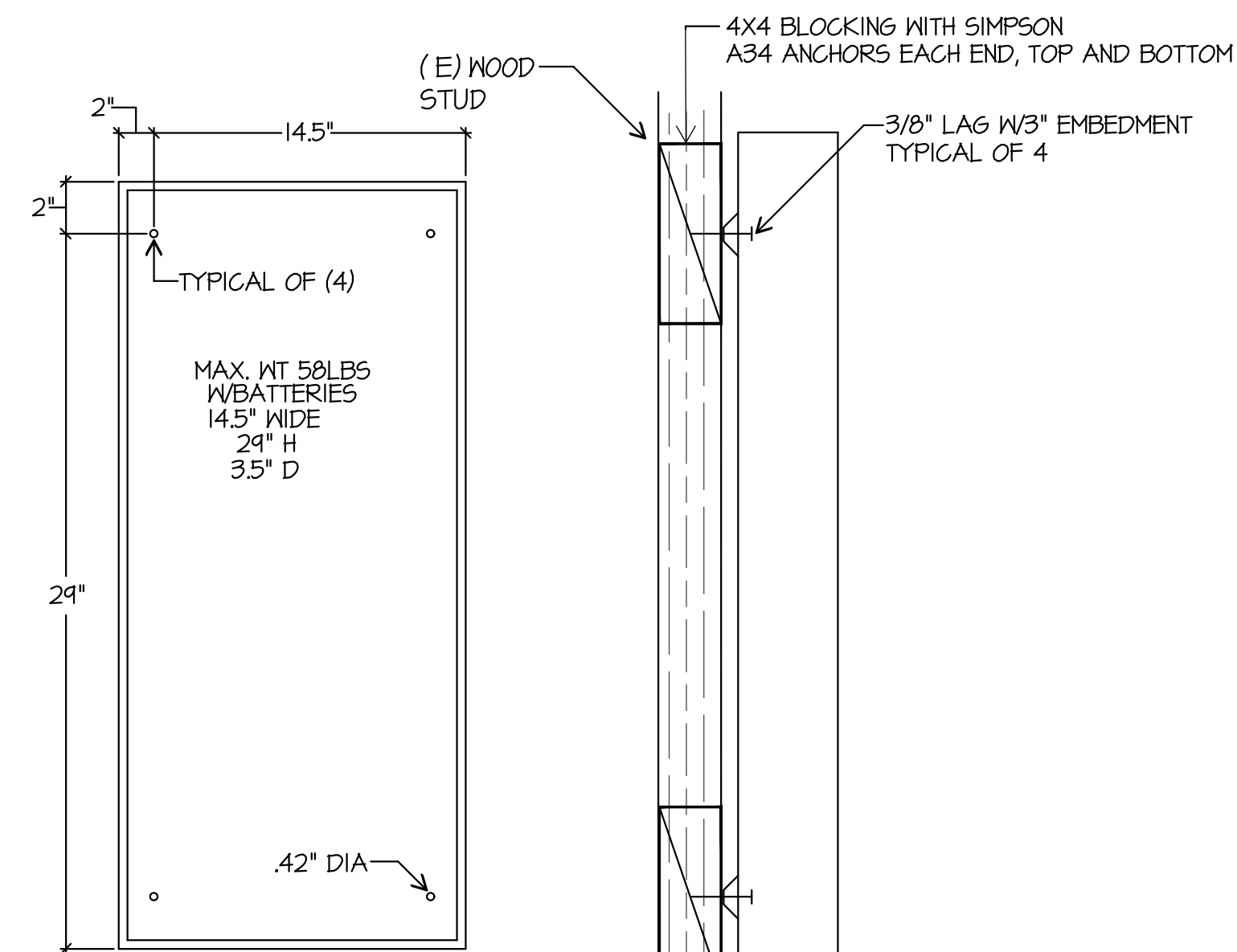
FIRE STOP PENETRATION STUD WALL

SCALE: NONE



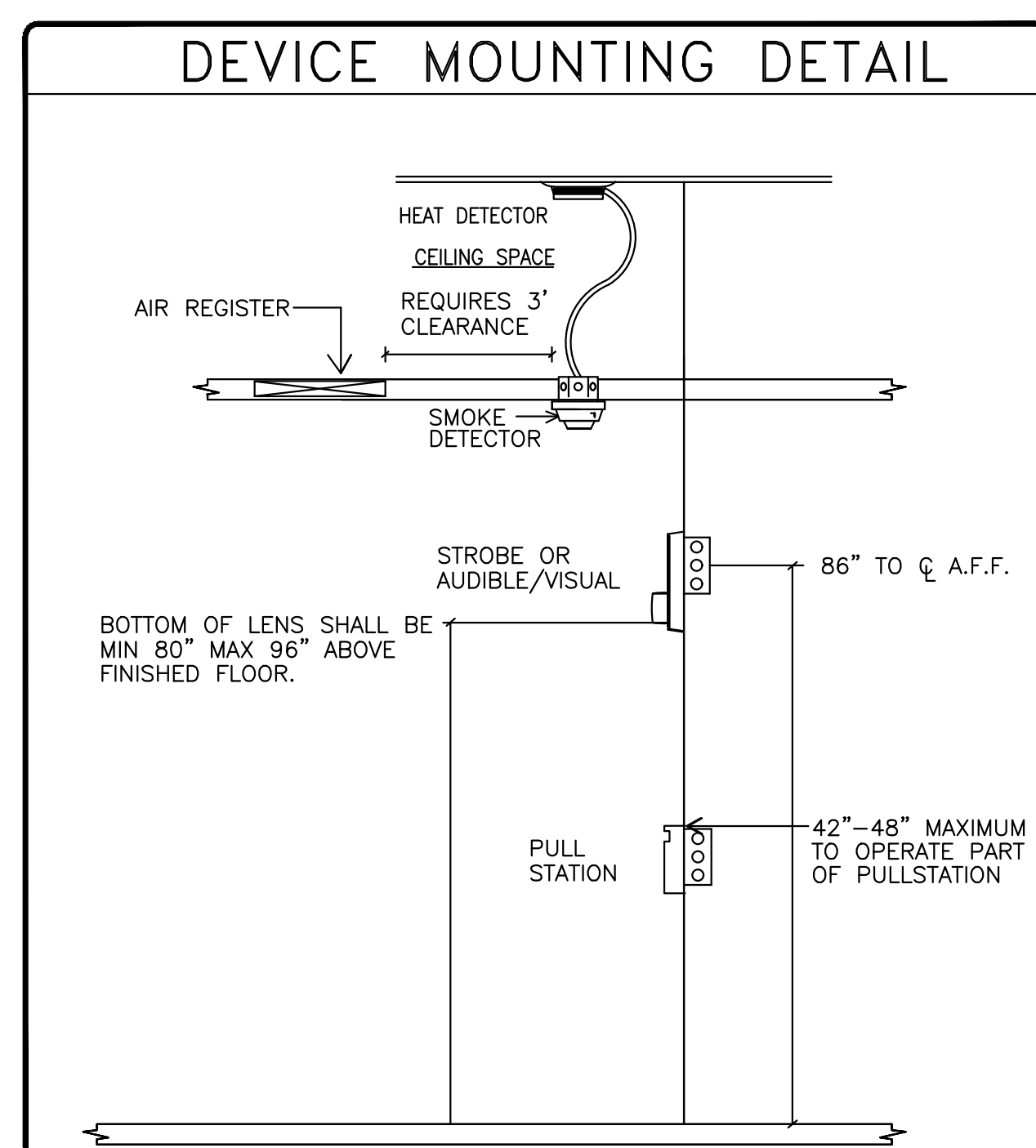
J-BOX FIRESTOP DETAIL

SCALE: NONE



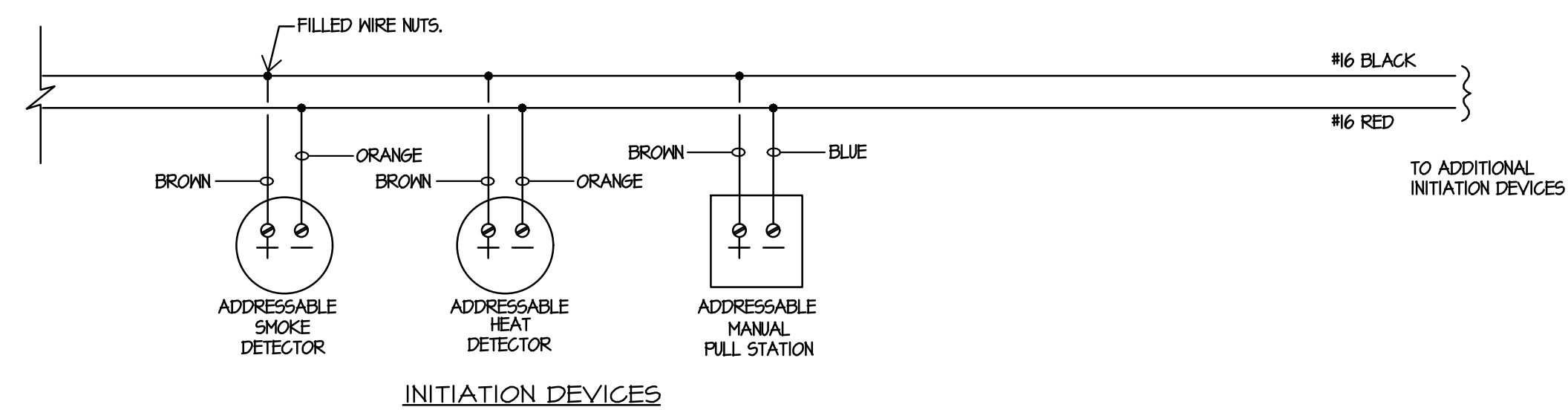
FIRE ALARM ANNUNCIATOR MOUNTING DETAIL

SCALE: NONE

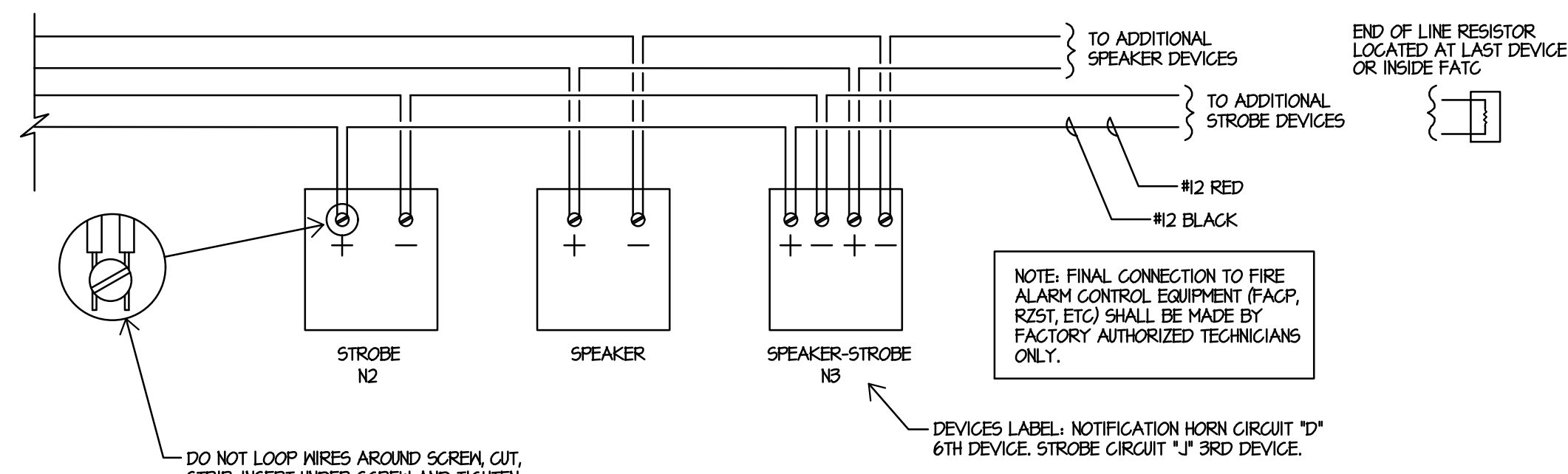


FIRE ALARM MOUNTING DETAIL

SCALE: NONE



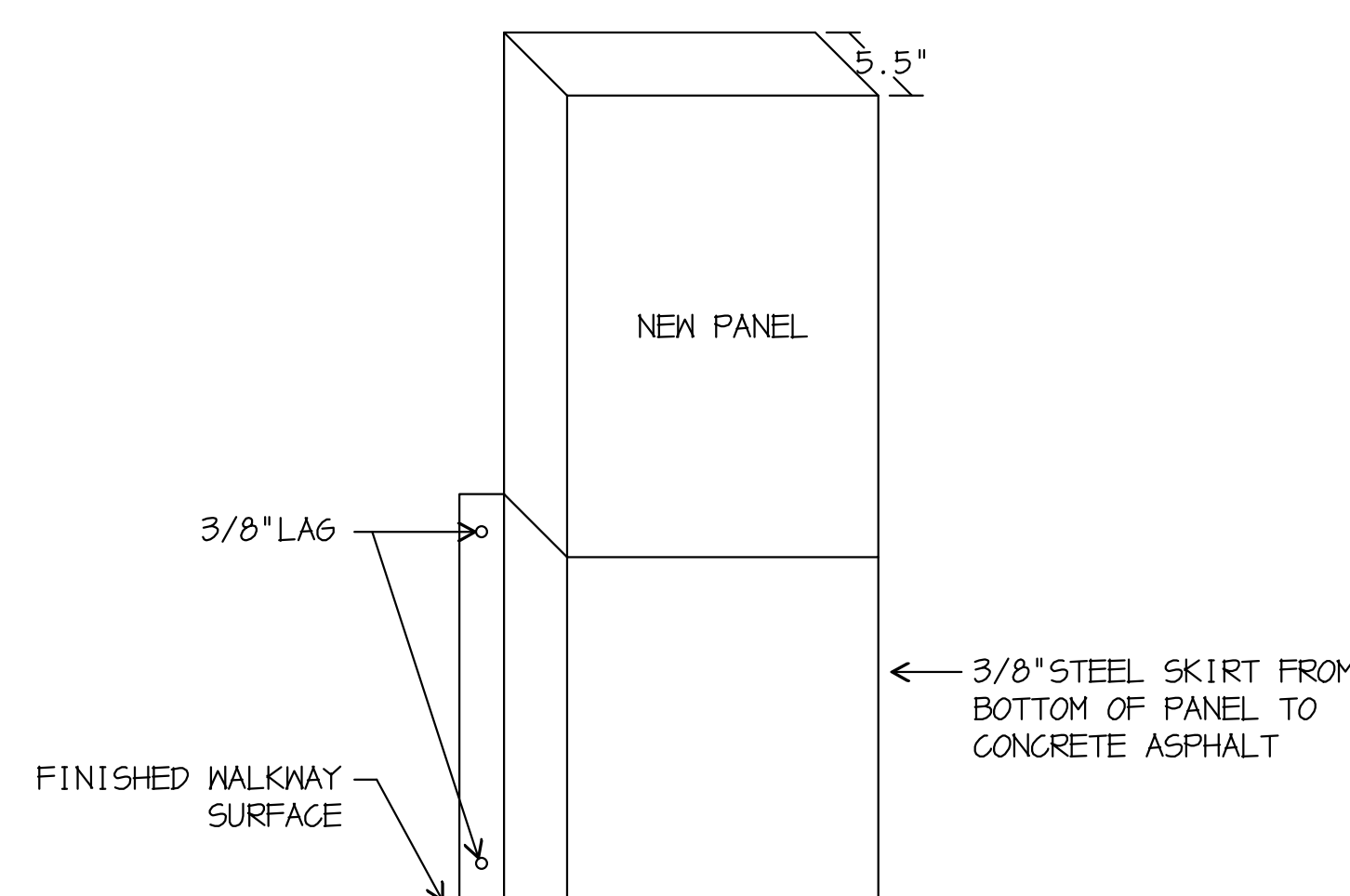
INITIATION DEVICES



NOTIFICATION DEVICES

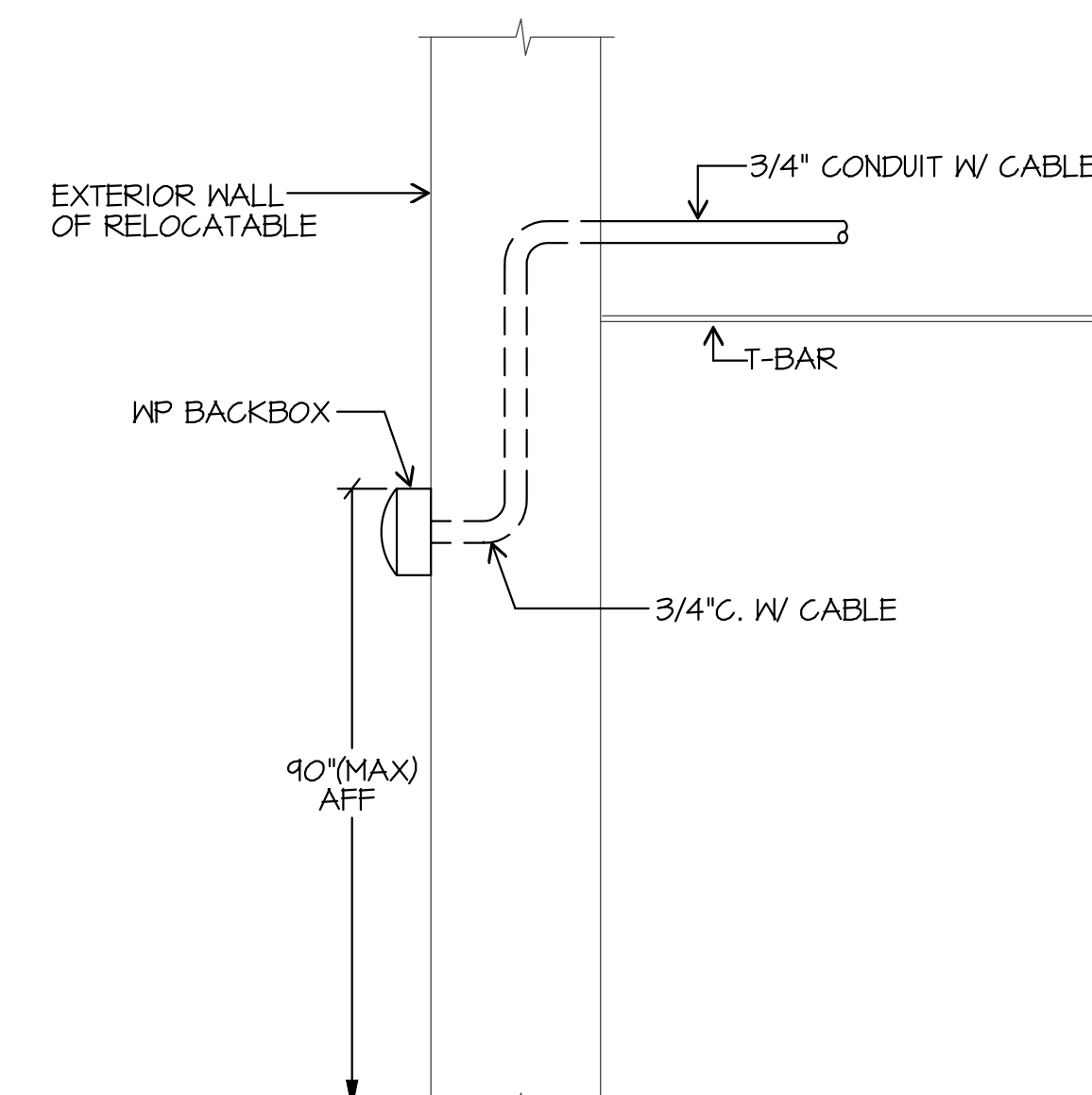
FIRE ALARM DEVICES TYPICAL MOUNTING DETAIL

SCALE: NONE



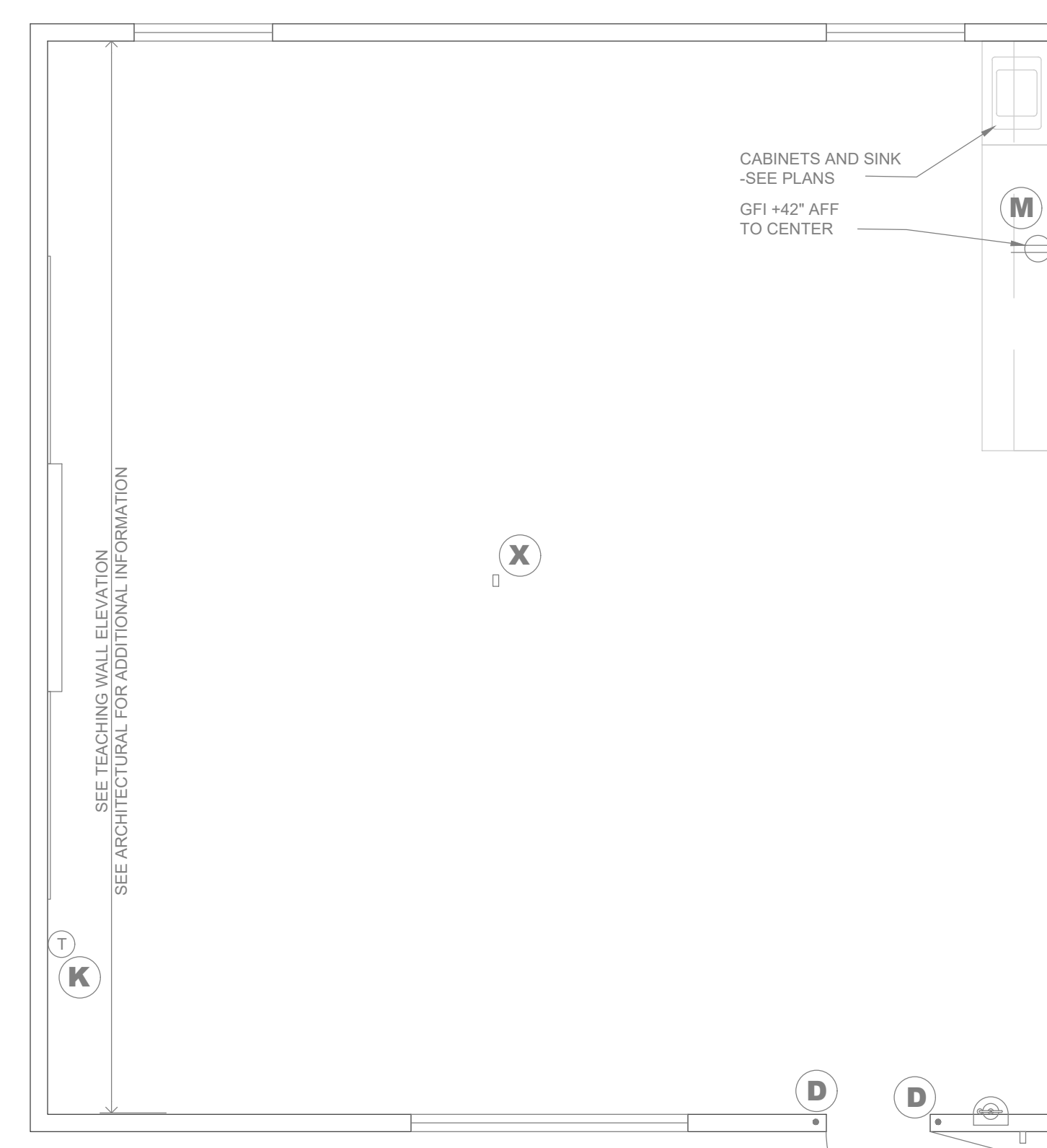
PANEL SKIRT DETAIL

SCALE: NONE

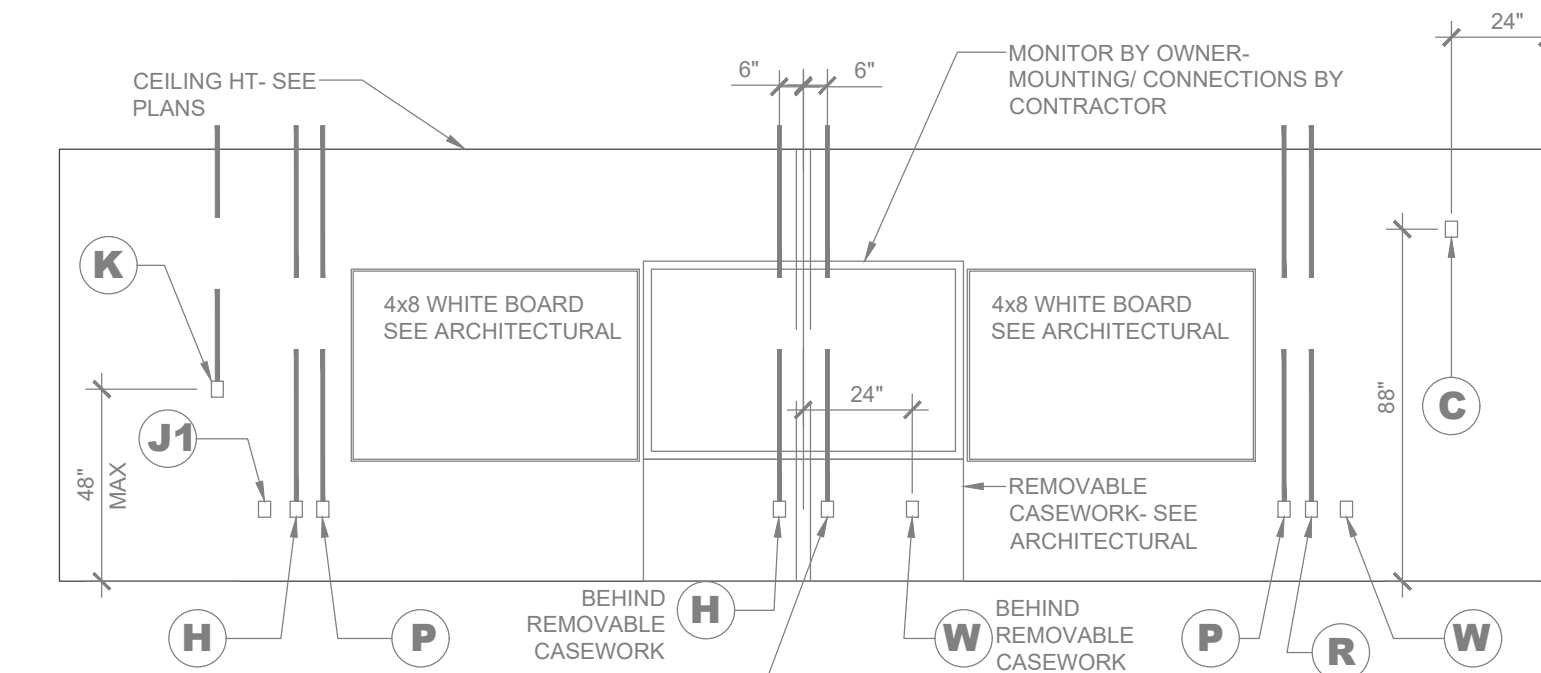


WP SPEAKER MOUNTING DETAIL

SCALE: NONE



TYPICAL CLASSROOM PLAN (SEE PLANS FOR ADDITIONAL INFORMATION)



TEACHING WALL ELEVATION

GENERAL ELECTRICAL CLASSROOM NOTES:

1. PATCH/REPAIR EXISTING FINISHES AS REQUIRED AT INSTALLATION OF PROPOSED ELECTRICAL COMPONENTS AS WELL AS MODIFIED ADJUSTED EXISTING COMPONENTS.
2. REMOVE/REPLACE ALL EXISTING WALL ELECTRICAL OUTLETS AND SWITCHES. RELOCATE AS APPLICABLE TO ACCOMMODATE PROPOSED WORK.
3. RECONNECT ALL EXISTING CIRCUITS.
4. ALL PROPOSED WALL ELECTRICAL COMMUNICATIONS RACEWAYS TO BE CONCEALED EXCEPT WHERE MOUNTED ON MASONRY OR CONCRETE WALLS UNLESS NOTED OTHERWISE.
5. REVIEW ALL PLANS FOR SPECIFIC CONDITIONS AT EACH CLASSROOM.
6. REFER TO MECHANICAL FOR ADDITIONAL.

KEYNOTES

- (C) PROVIDE SURGE PROTECTED DUPLEX OUTLET FOR FUTURE IDF CABINET. 3/4\"/>
- (D) PROVIDE 1\"/>
- (M) CONNECTION TO THERMOSTAT. REFER TO MECHANICAL FOR ADDITIONAL INFORMATION AND FOR LOCATION AT ALL CLASSROOMS. COORDINATE LOCATION WITH ALL PROPOSED WORK.
- (P) DOUBLE GANG DEEP MUD RING. LOCATE AT STANDARD HEIGHT. PROVIDE 2\"/>
- (R) SINGLE GANG DEEP MUD RING. LOCATE AT STANDARD HEIGHT. PROVIDE 2\"/>
- (W) PROVIDE SINGLE GANG BOX WITH CEILING MOUNTING BRACKET AT CENTER OF ROOM IN T-BAR CEILING.
- (X) PROVIDE SINGLE GANG BOX WITH CEILING MOUNTING BRACKET AT CENTER OF ROOM IN T-BAR CEILING.

DOOR CONDUIT DETAIL

IDENTIFICATION STAMP
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APP: 03-122640 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/09/2023

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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet
Elementary School
807 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT

LICENSED ARCHITECT
JAMES PATRICK FOGARTY, AIA
ARCHITECT C-19670

CONSULTANT

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PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15-6
DSA No	03-122640

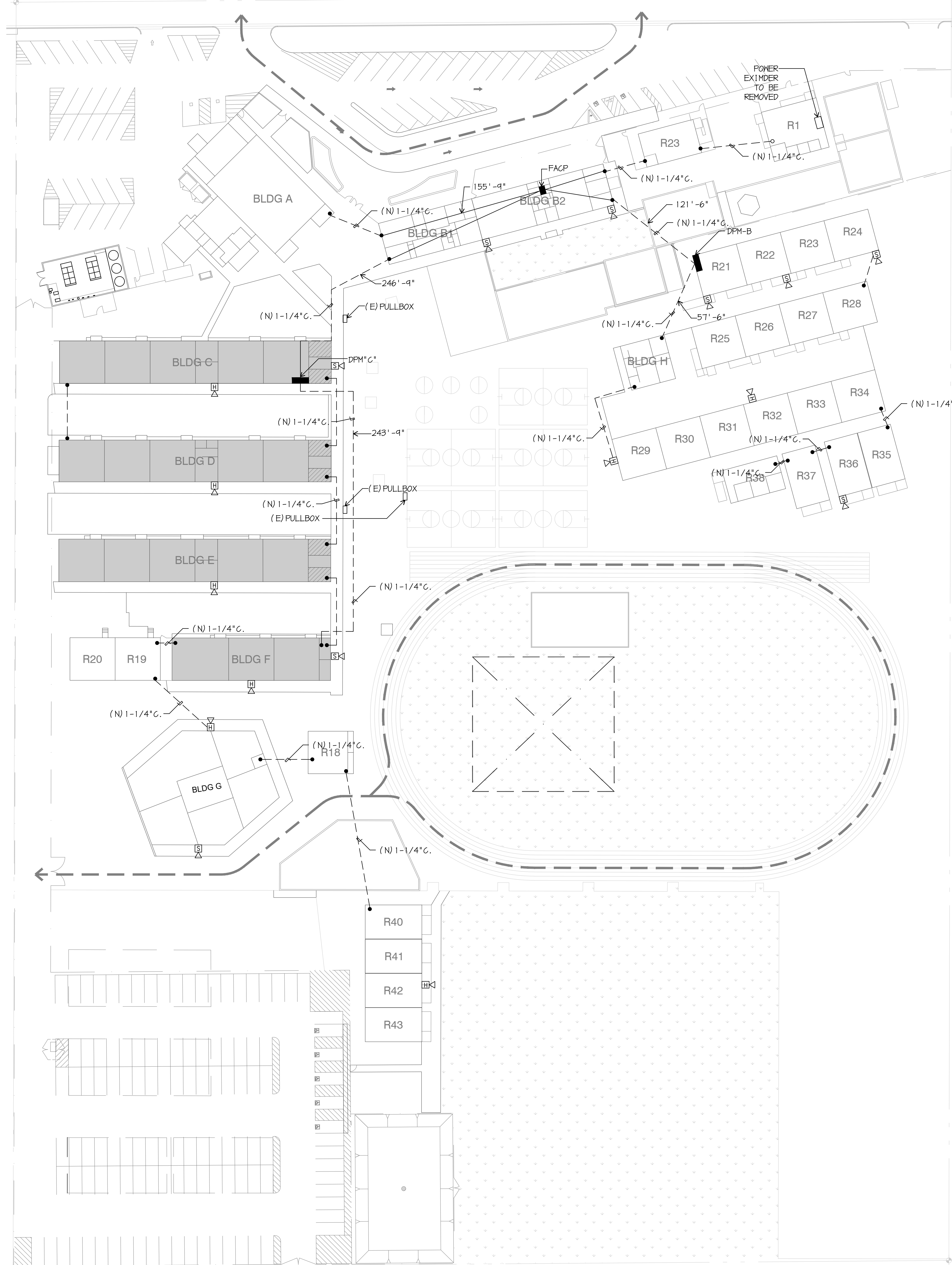
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00.00.08		DESCRIPTION
09.15.23		ELECTRICAL GEAR

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FIRE ALARM DETAILS

E-005



FIRE ALARM SITE PLAN

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**CAMPUS HVAC
 SYSTEM UPGRADE**

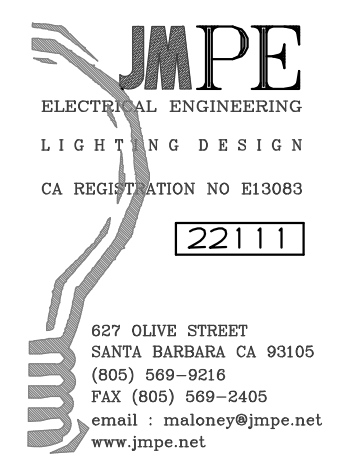
**Fremont Magnet
 Elementary School**
 607 Texas St Bakersfield, CA 93307
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA
 ARCHITECT C-19670

CONSULTANT



PROJECT INFO

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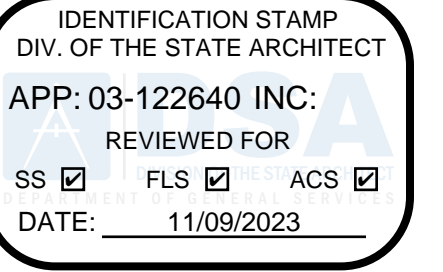
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FIRE ALARM SITE PLAN

E-100



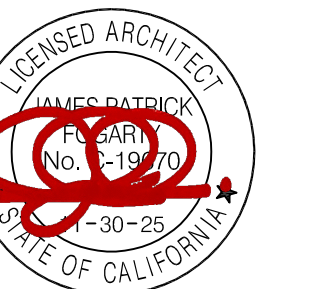
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tel|661.327.1690 fax|661.327.7204
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**CAMPUS HVAC
SYSTEM UPGRADE**

**Fremont Magnet
Elementary School**

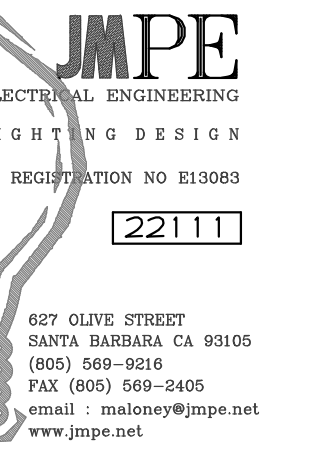
607 Texas St Bakersfield, CA 93307
Bakersfield City School District

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JAMES PATRICK FOGARTY, AIA
ARCHITECT C-19670

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PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15-6
DSA No	03-122640

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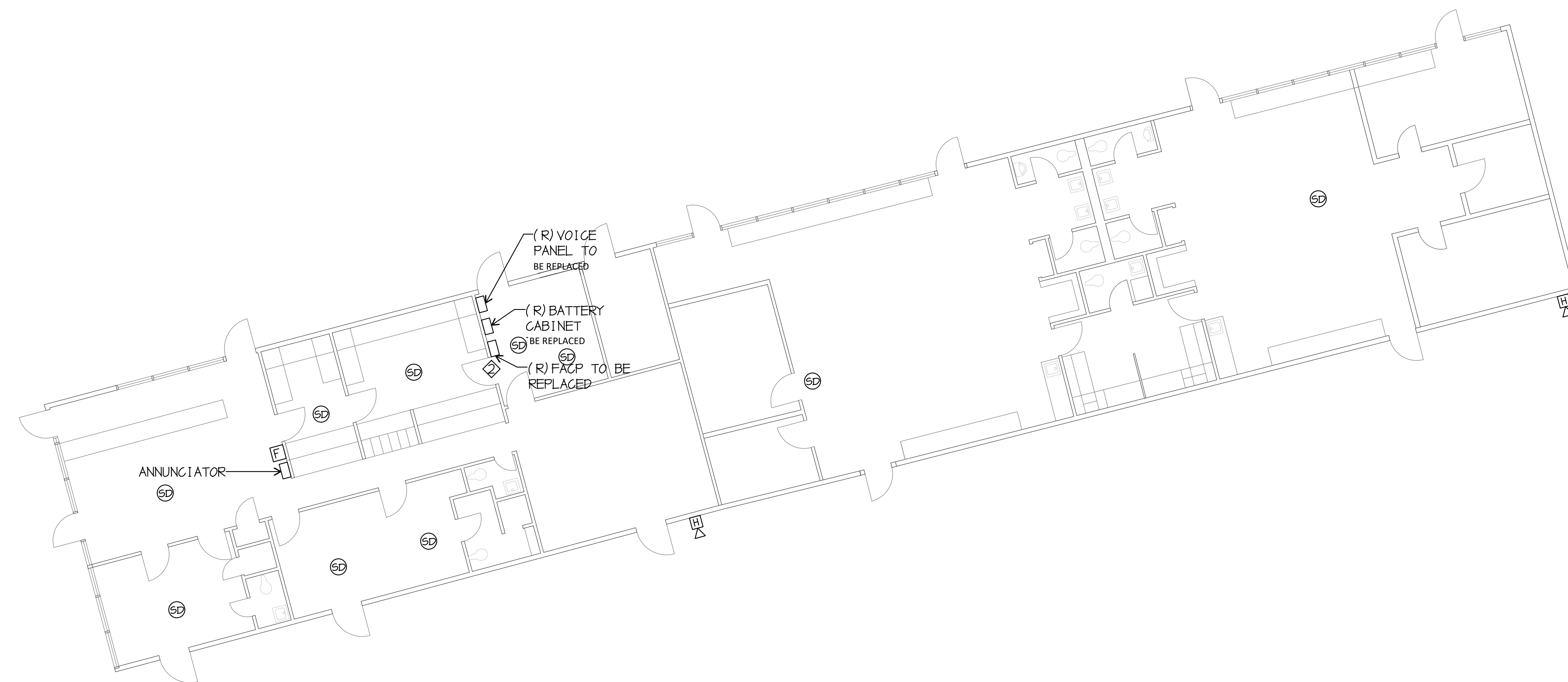
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**BUILDING B1 AND B2 FIRE
ALARM DEMO PLAN**

E-101

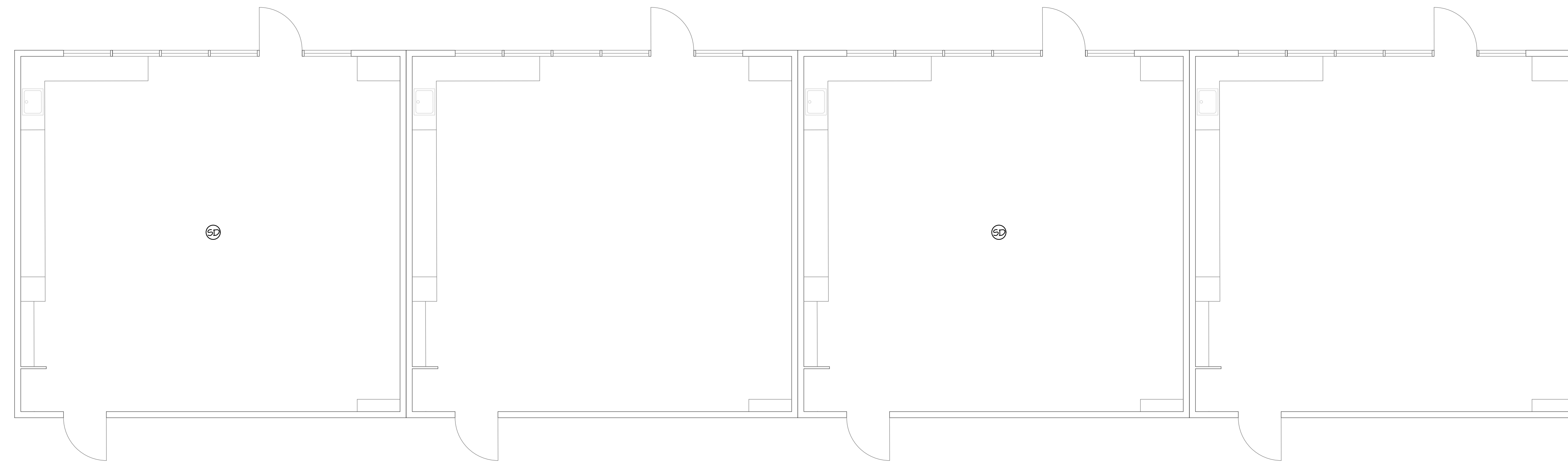
DEMOLITION NOTES

- ◊ WHERE EXISTING DEVICES CORRESPOND TO NEW DEVICE LOCATIONS, EXISTING BASE TO REMAIN, DEVICE HEAD TO BE REPLACED
- ◊ EXISTING FACP TO BE REMOVED, REPLACED.



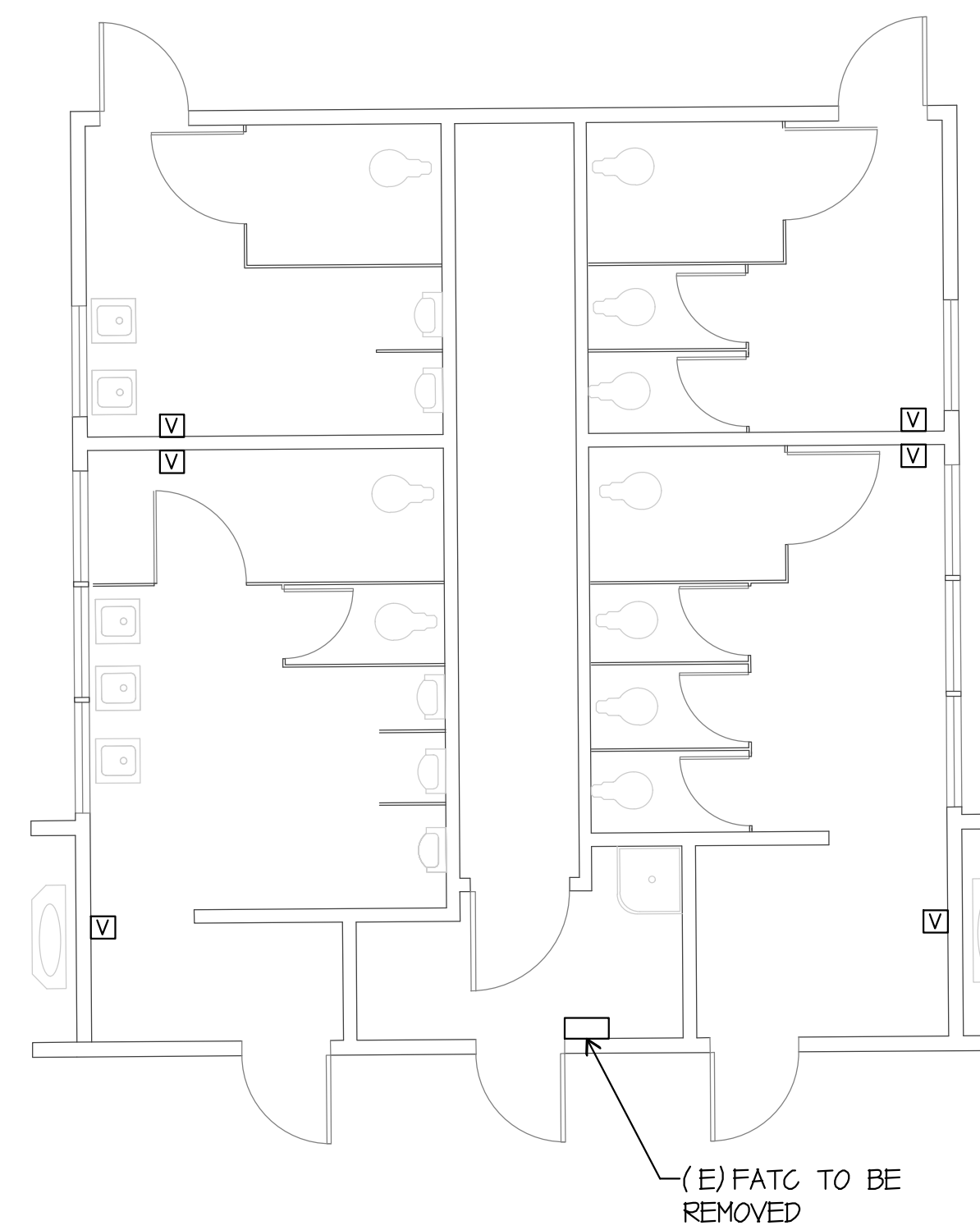
BUILDING B1 AND B2 FIRE ALARM DEMO PLAN

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

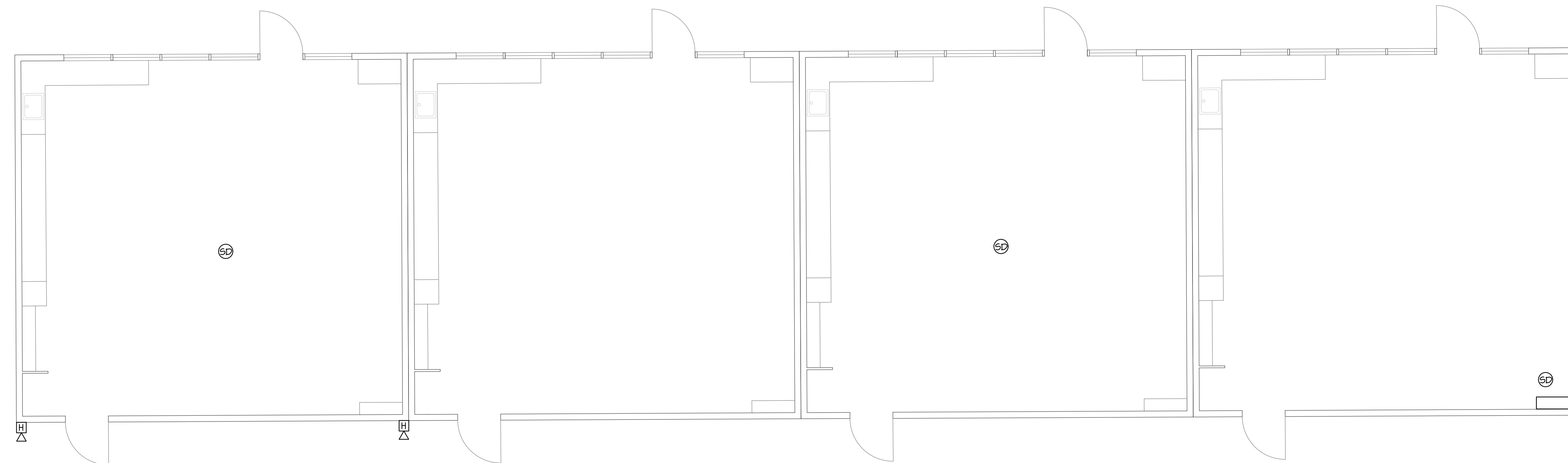


DEMOLITION NOTES
 WHERE EXISTING DEVICES CORRESPOND TO NEW DEVICE LOCATIONS, EXISTING BASE TO REMAIN, DEVICE HEAD TO BE REPLACED

R25-R28 FIRE ALARM DEMO PLAN



BUILDING H FIRE ALARM DEMO PLAN



ROOMS R21-R24 FIRE ALARM DEMO PLAN

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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School

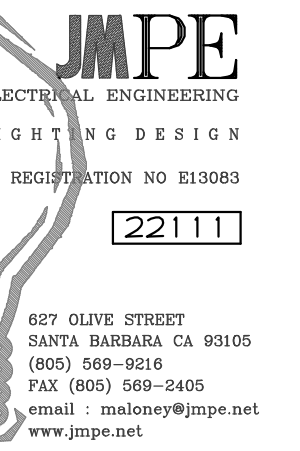
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FIRE ALARM BUILDING H AND R21-R24 DEMO PLAN

E-102

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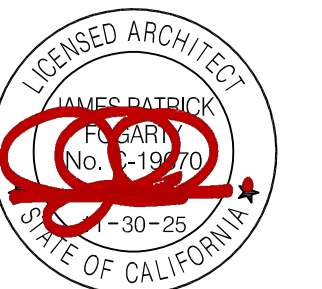
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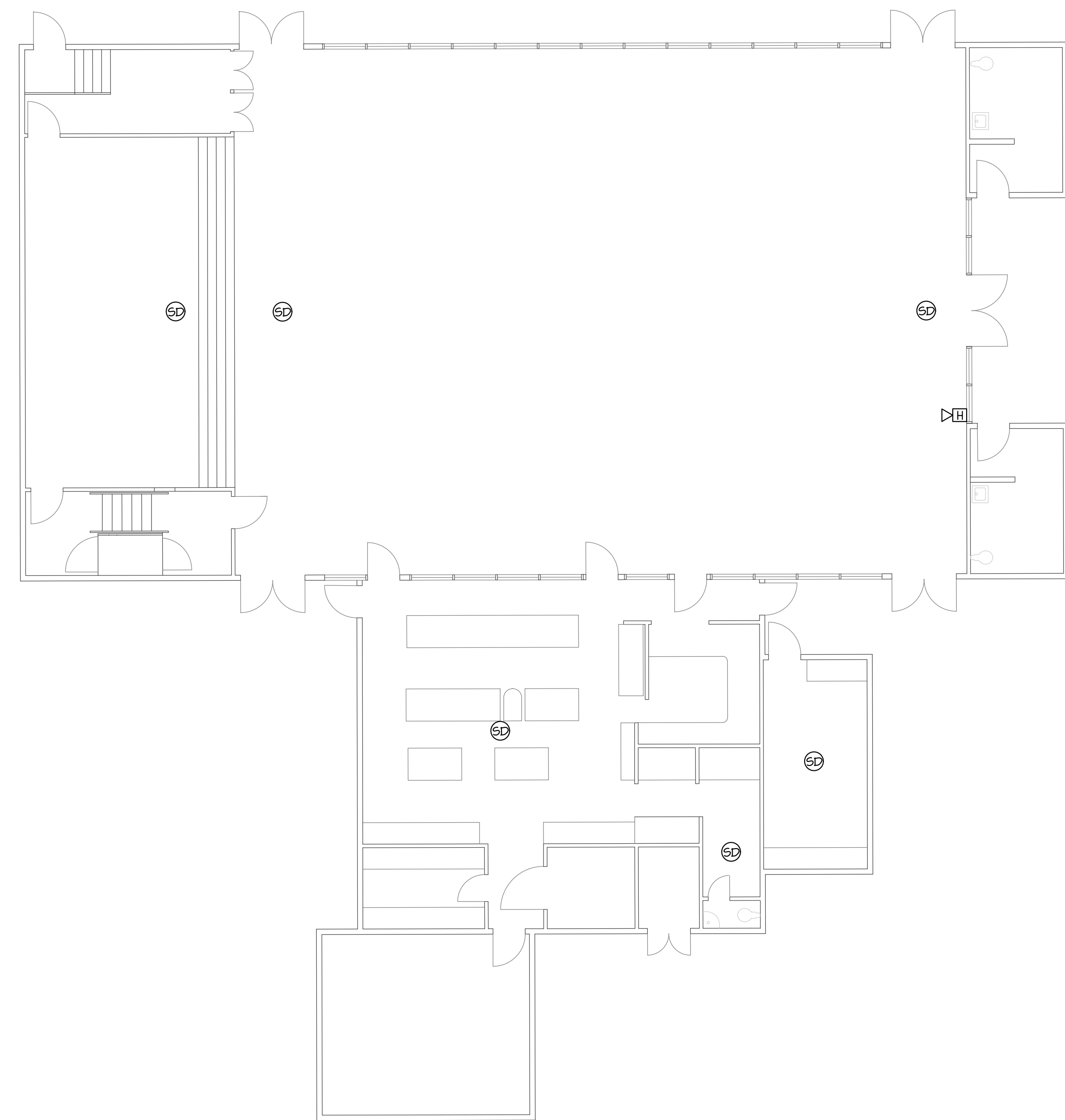
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BUILDING A FIRE ALARM DEMO PLAN

E-103

DEMOLITION NOTES
 WHERE EXISTING DEVICES CORRESPOND TO NEW DEVICE LOCATIONS, EXISTING BASE TO REMAIN, DEVICE HEAD TO BE REPLACED



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**CAMPUS HVAC
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**Fremont Magnet
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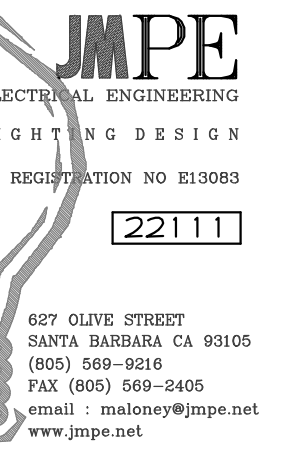
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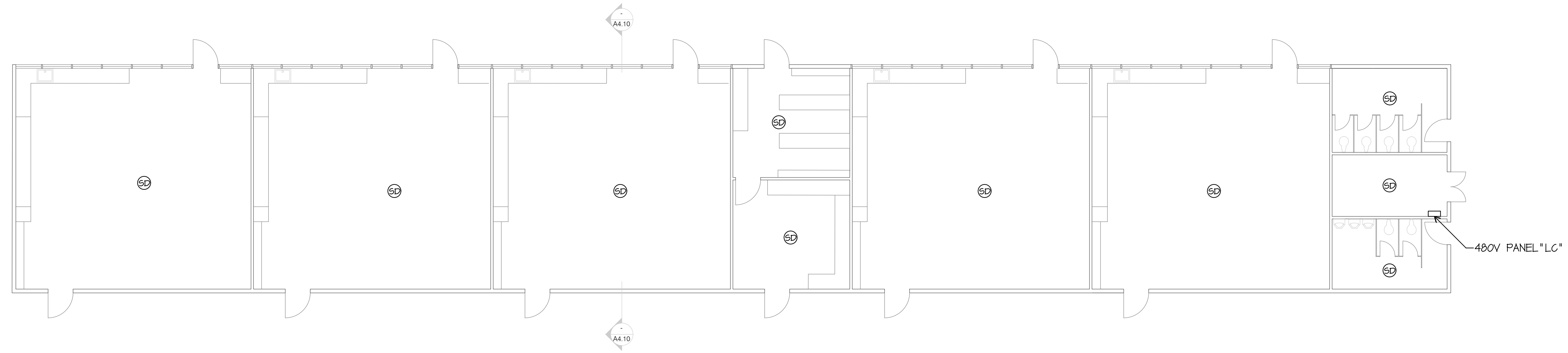
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**BUILDING C AND D FIRE
 ALARM DEMO PLAN**

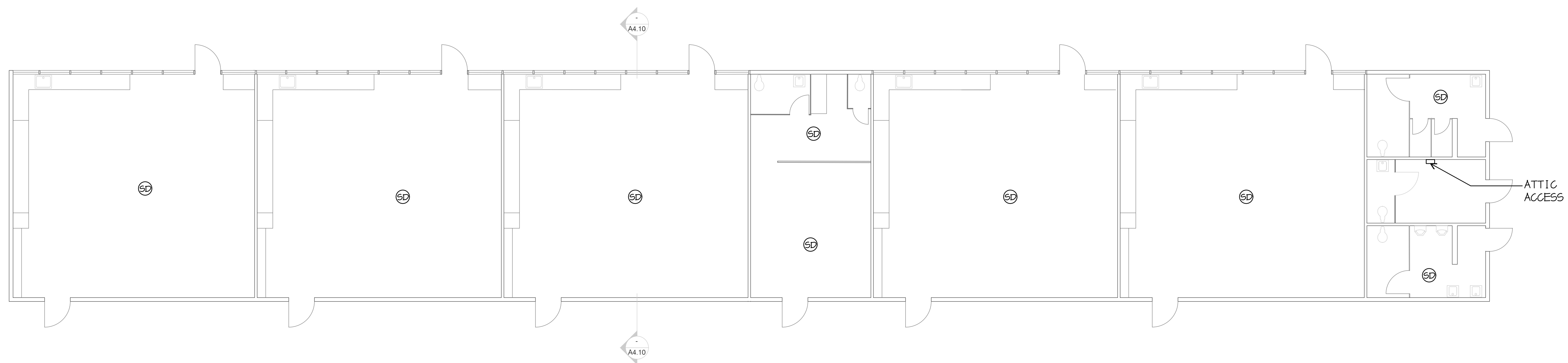
E-104

DEMOLITION NOTES
 WHERE EXISTING DEVICES CORRESPOND TO NEW DEVICE LOCATIONS, EXISTING BASE TO REMAIN, DEVICE HEAD TO BE REPLACED



BUILDING C FIRE ALARM DEMO PLAN

SCALE: 1/8" = 1'-0" 0 1 2 4 8



BUILDING D FIRE ALARM DEMO PLAN

SCALE: 1/8" = 1'-0" 0 1 2 4 8

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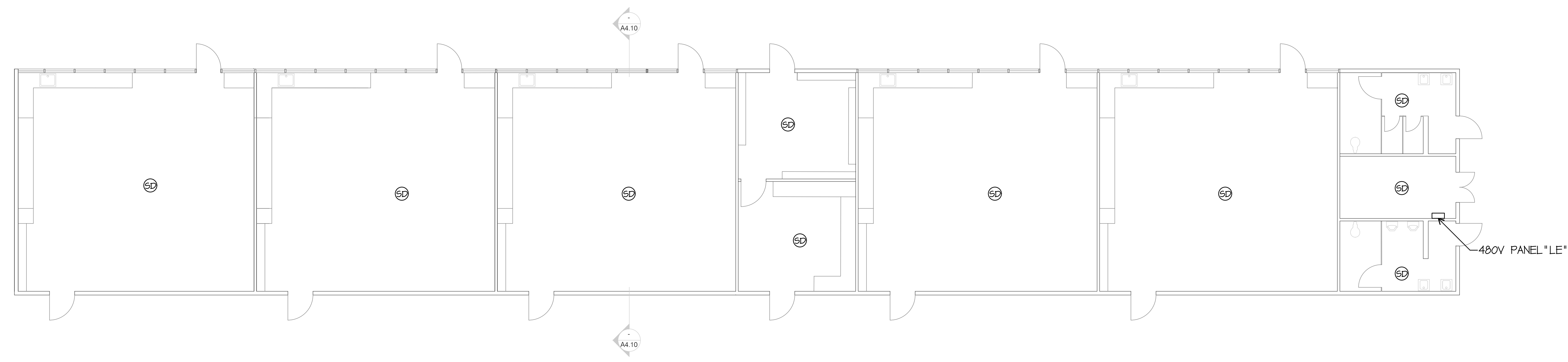
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**BUILDING E AND F FIRE
 ALARM DEMO
 PLAN**

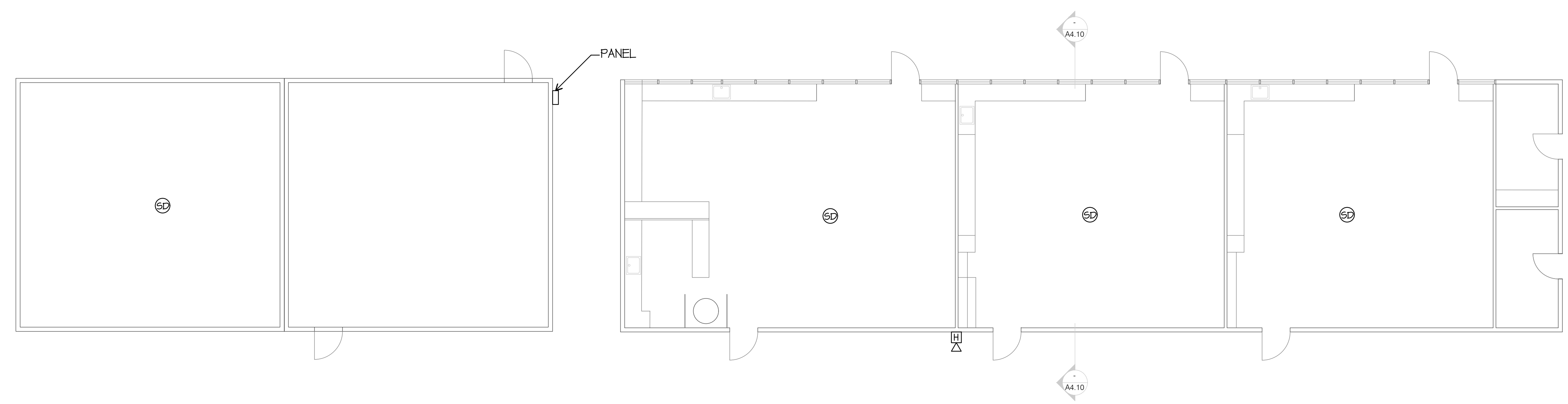
E-105

DEMOLITION NOTES
 WHERE EXISTING DEVICES CORRESPOND TO NEW DEVICE LOCATIONS, EXISTING BASE TO REMAIN, DEVICE HEAD TO BE REPLACED



BUILDING E FIRE ALARM DEMO PLAN

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



BUILDING F FIRE ALARM DEMO PLAN

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

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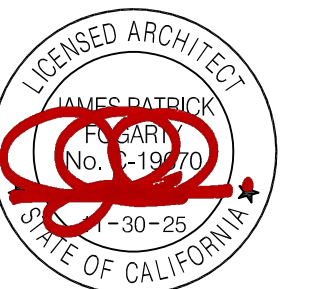
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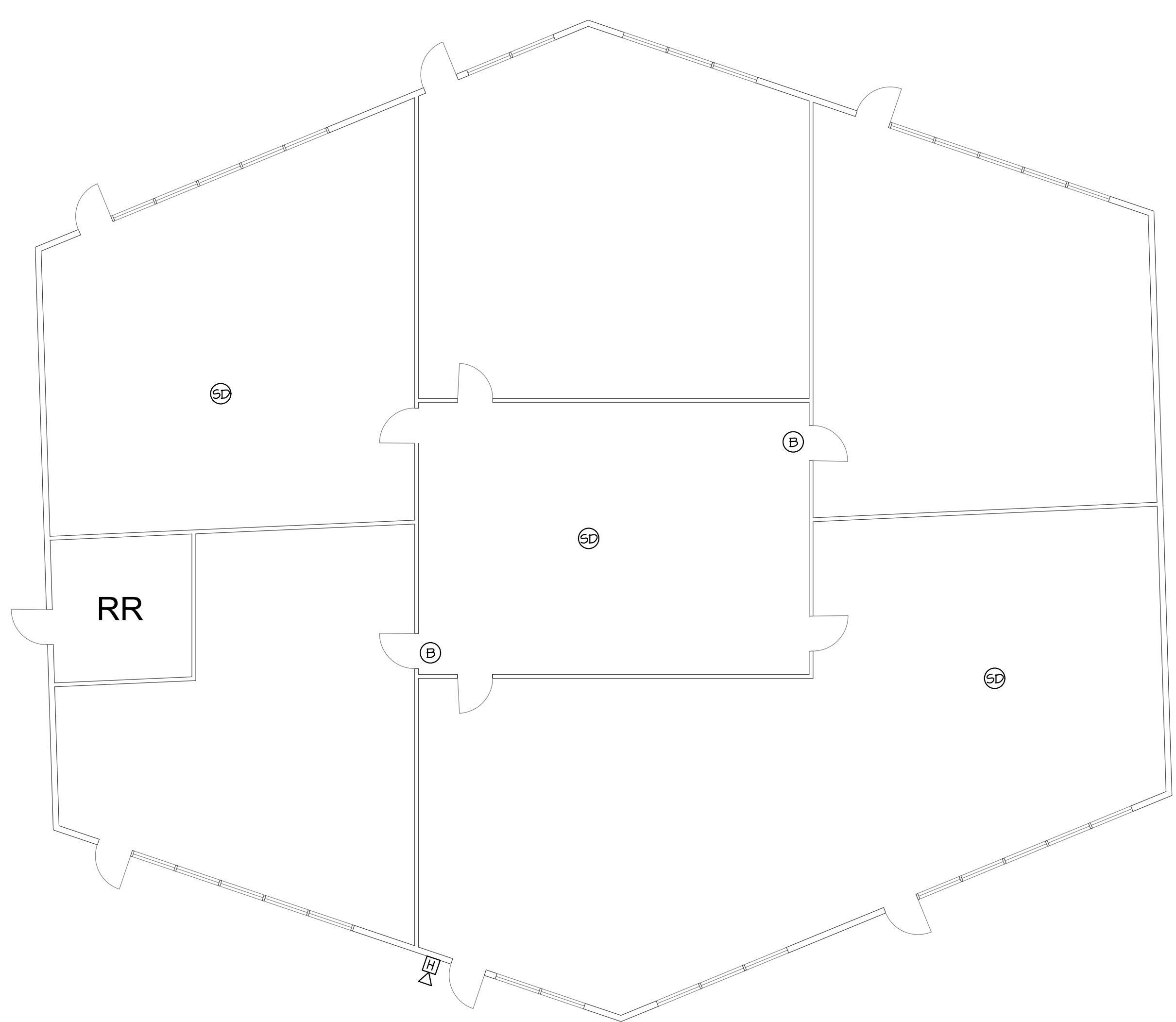
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**BUILDING G FIRE ALARM
 DEMO PLAN**

E-106

DEMOLITION NOTES
 WHERE EXISTING DEVICES CORRESPOND TO NEW DEVICE LOCATIONS, EXISTING BASE TO REMAIN, DEVICE HEAD TO BE REPLACED



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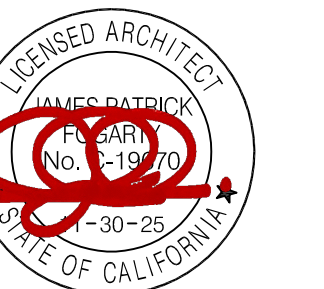
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**CAMPUS HVAC
 SYSTEM UPGRADE**

**Fremont Magnet
 Elementary School**

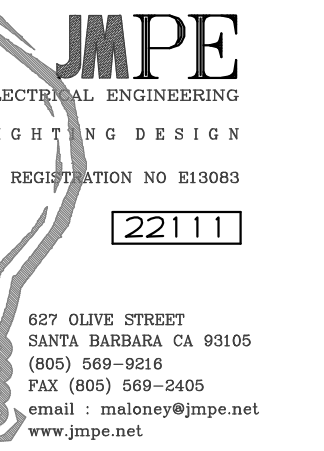
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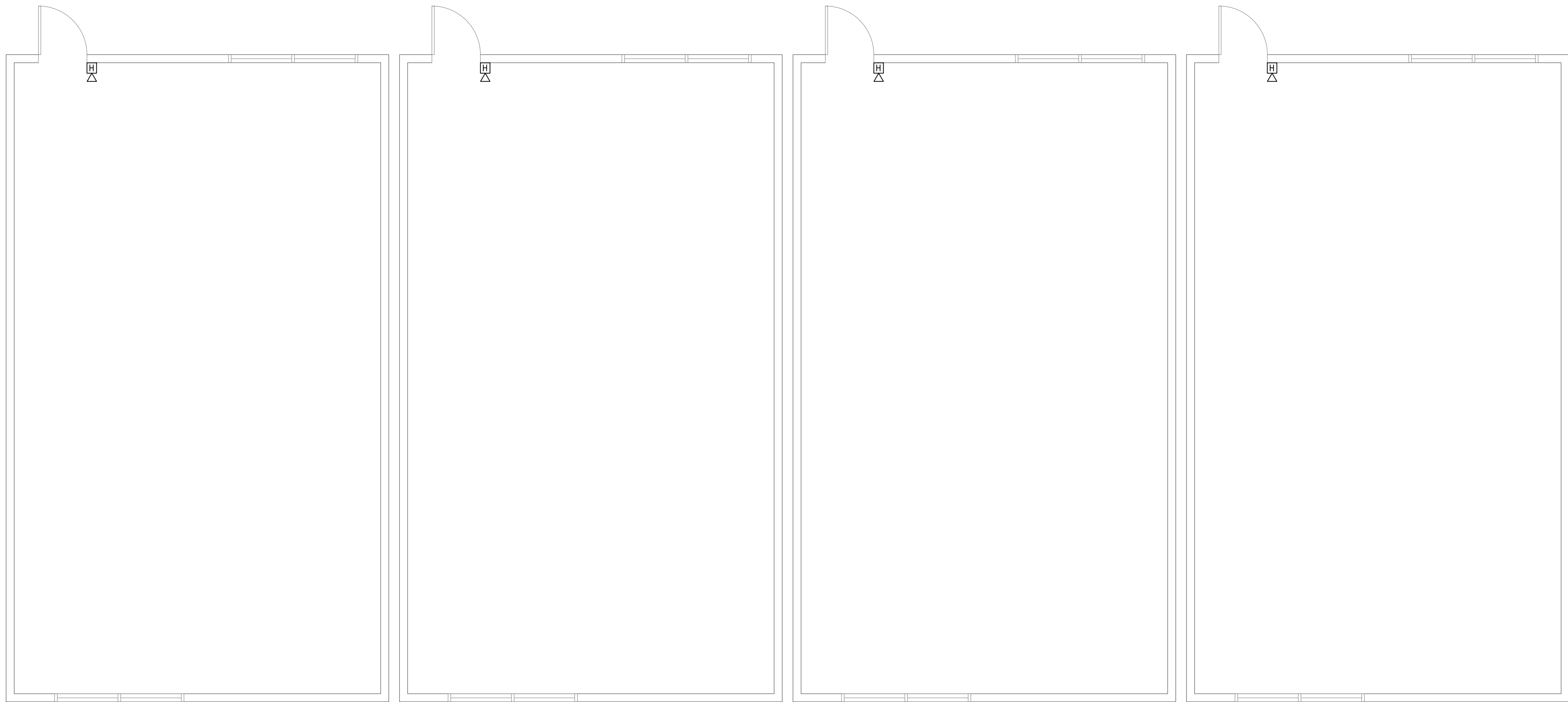
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**ROOM R18 AND R40-R43
 FIRE ALARM DEMO PLANS**

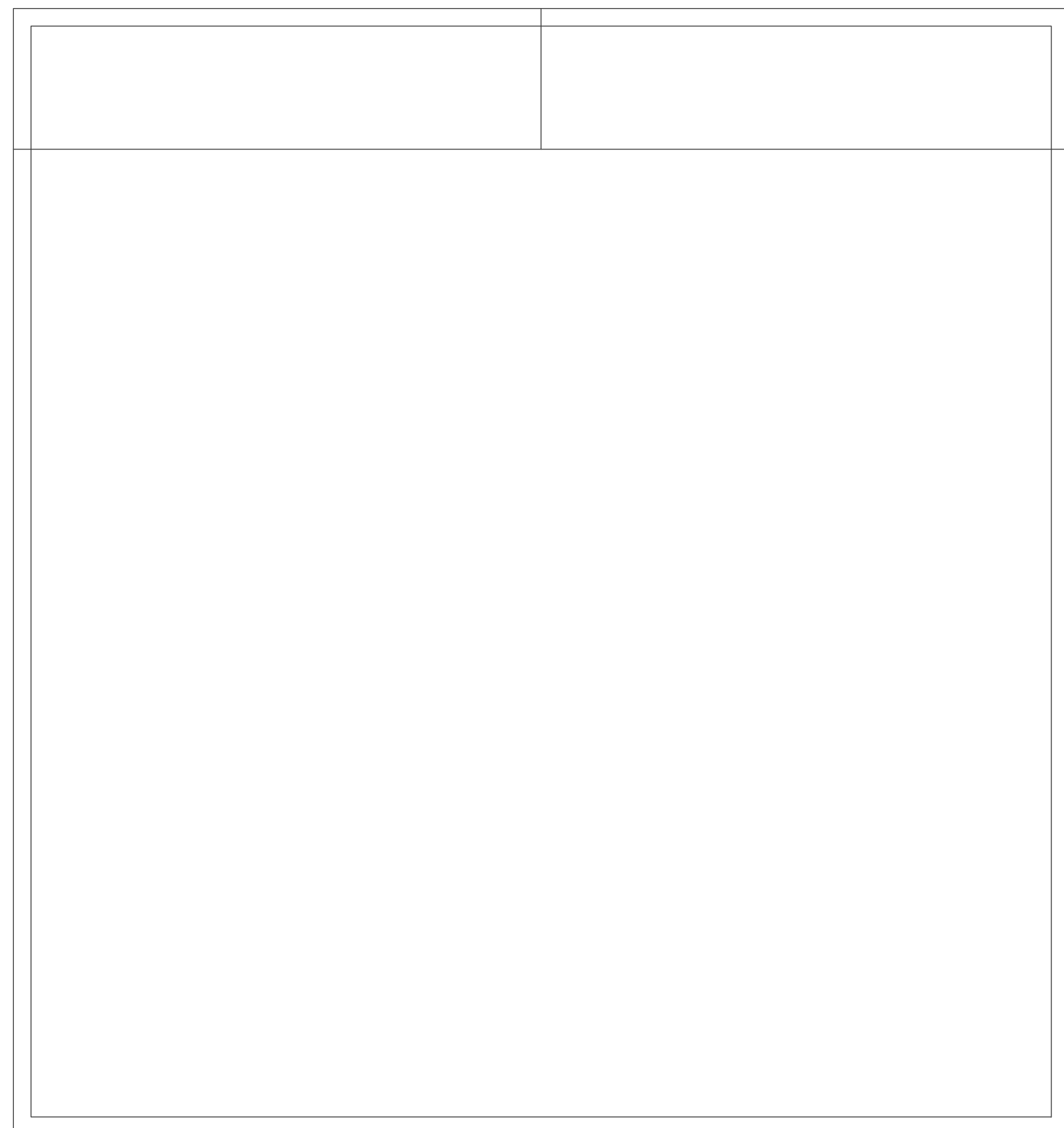
E-107

DEMOLITION NOTES
 WHERE EXISTING DEVICES CORRESPOND TO NEW DEVICE LOCATIONS, EXISTING BASE TO REMAIN, DEVICE HEAD TO BE REPLACED



ROOMS R40-R43 FIRE ALARM DEMO PLAN

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



ROOM 18 FIRE ALARM DEMO PLAN

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

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CAMPUS HVAC
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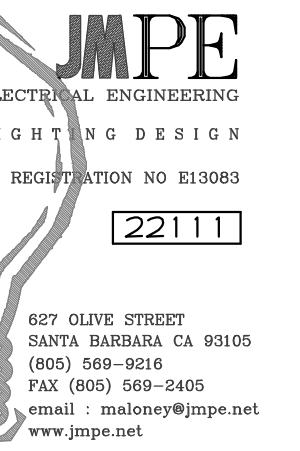
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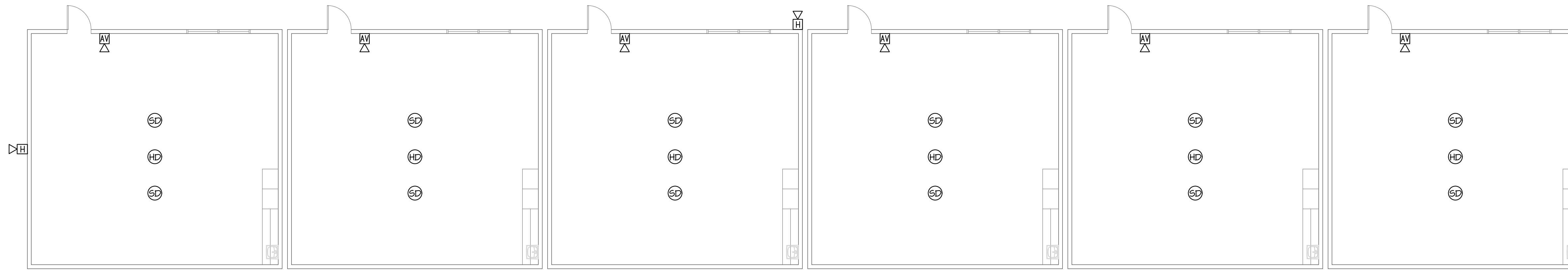
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ROOM R38 AND R29-R39
 FIRE ALARM DEMO PLANS

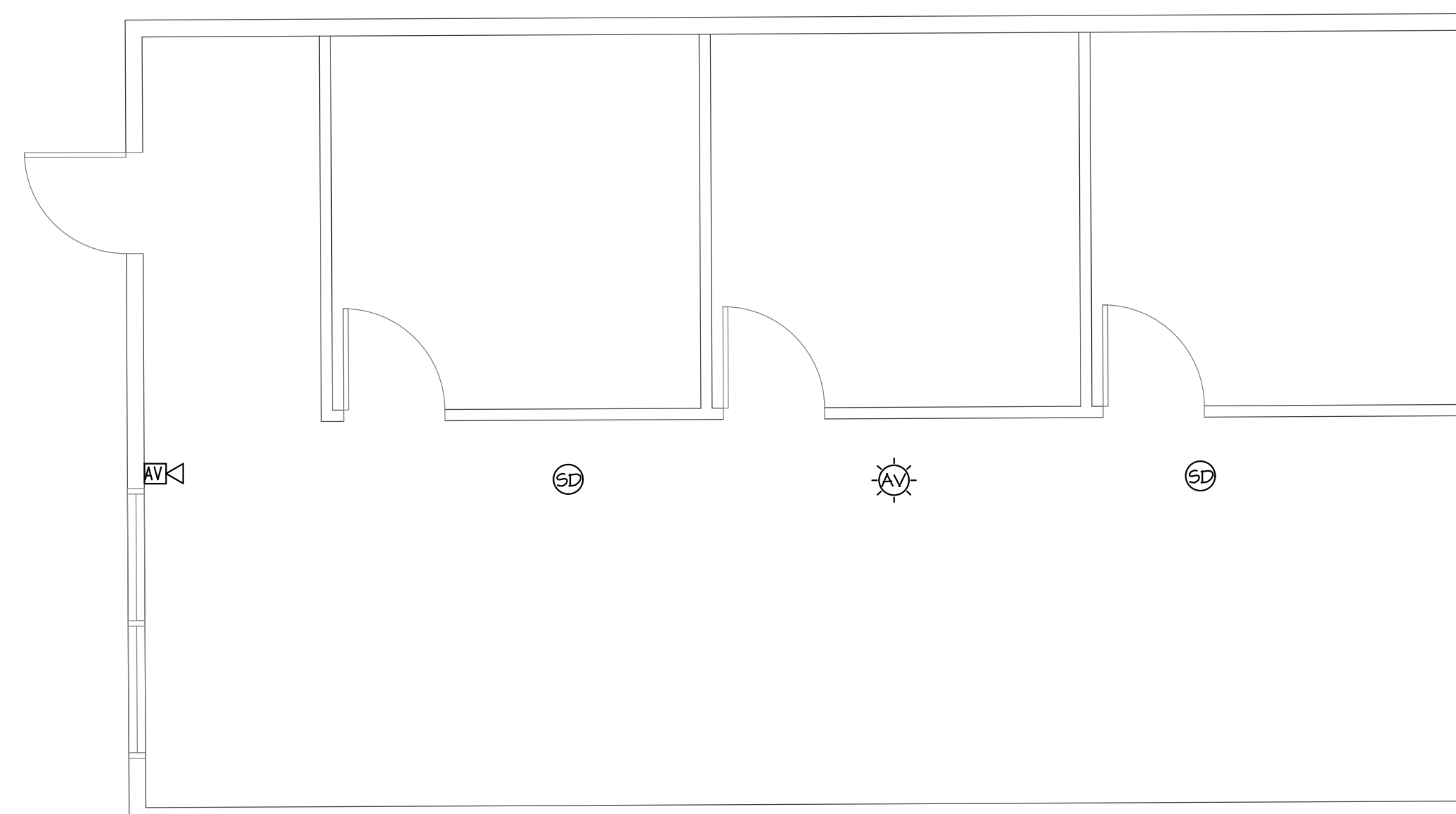
E-108

DEMOLITION NOTES
 WHERE EXISTING DEVICES CORRESPOND TO NEW DEVICE LOCATIONS, EXISTING BASE TO REMAIN, DEVICE HEAD TO BE REPLACED



BUILDING R29-R34 FIRE ALARM DEMO PLANS

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



BUILDING R38 FIRE ALARM DEMO PLAN

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

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**CAMPUS HVAC
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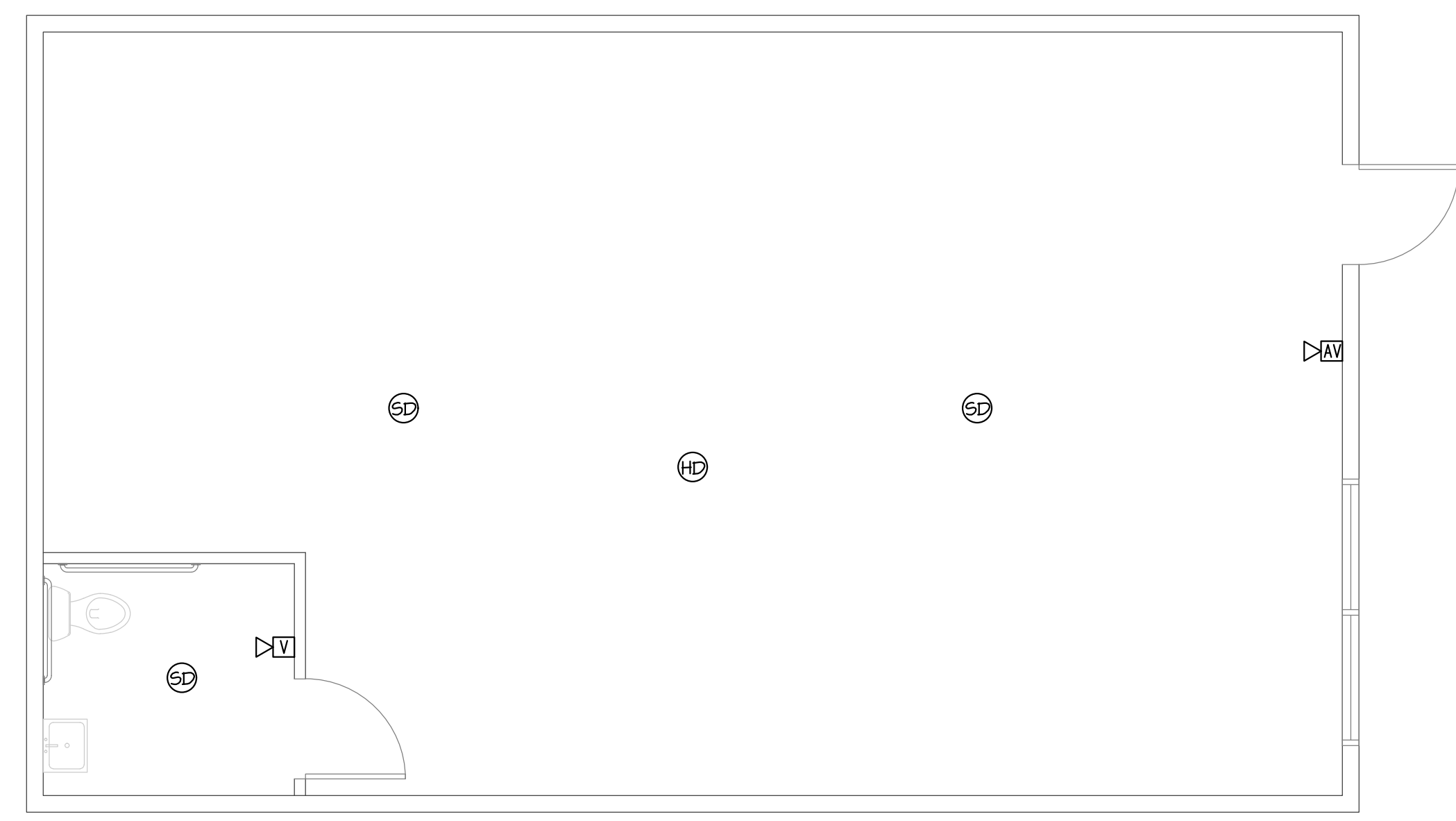
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**ROOM R23 AND R1 FIRE
 ALARM DEMO PLANS**

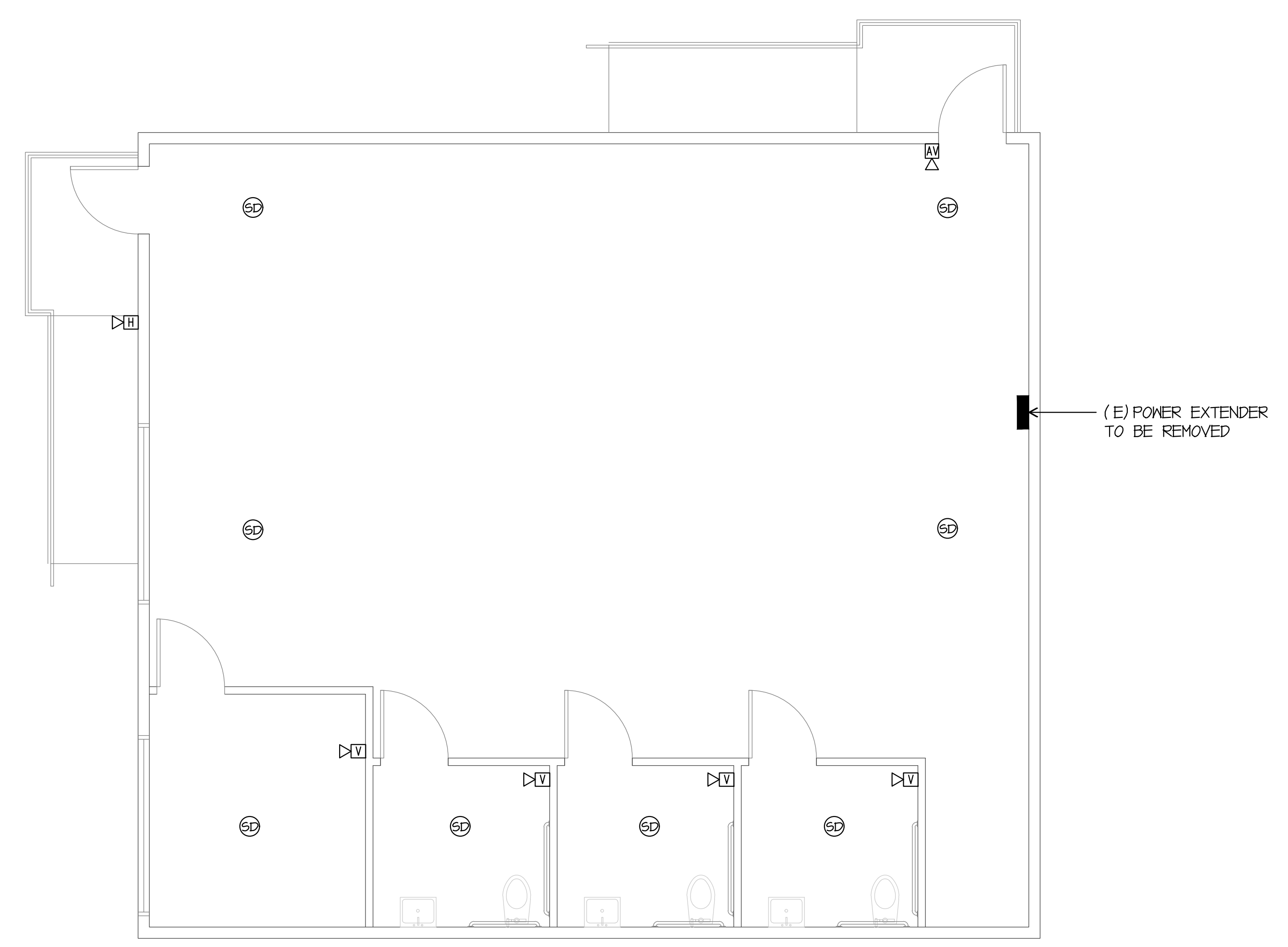
E-109

DEMOLITION NOTES
 WHERE EXISTING DEVICES CORRESPOND TO NEW DEVICE LOCATIONS, EXISTING BASE TO REMAIN, DEVICE HEAD TO BE REPLACED



ROOM R23 FIRE ALARM DEMO PLAN

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



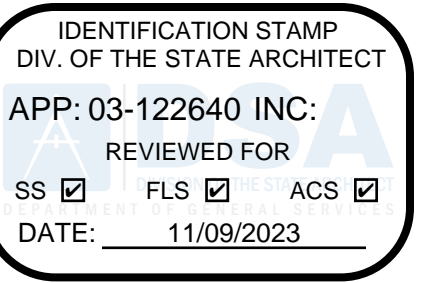
BUILDING R38 FIRE ALARM DEMO PLAN

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

FIRE ALARM NOTES

◇ (N) SPEAKER/STROBE TO BE INSTALLED ON EXISTING BOX

◇ (N) DEVICES TO BE INSTALLED ON EXISTING BASES WHERE POSSIBLE.



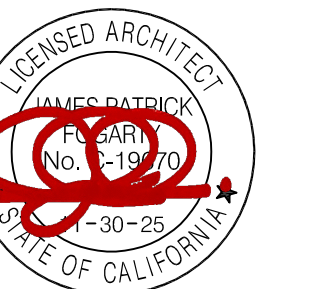
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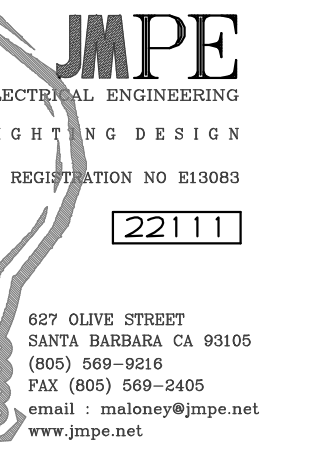
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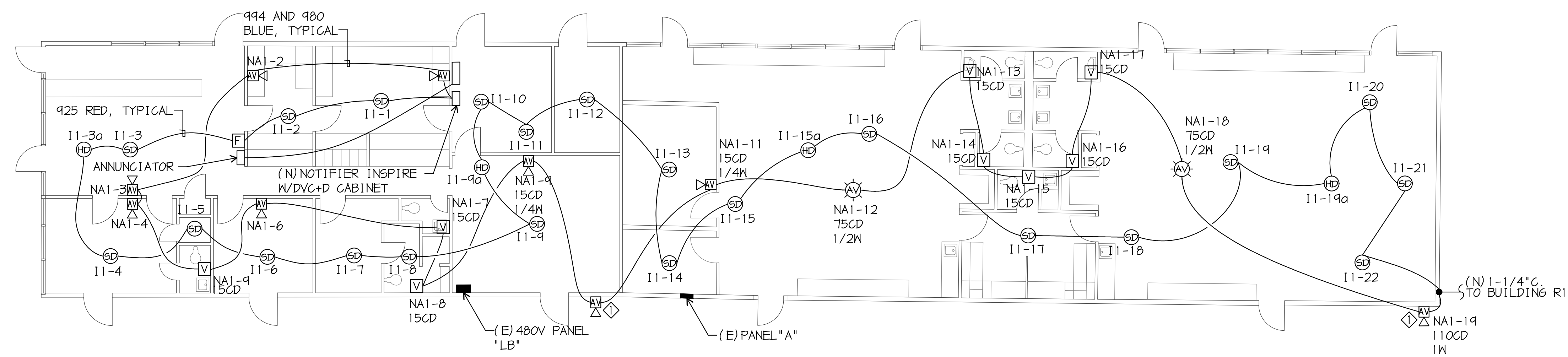
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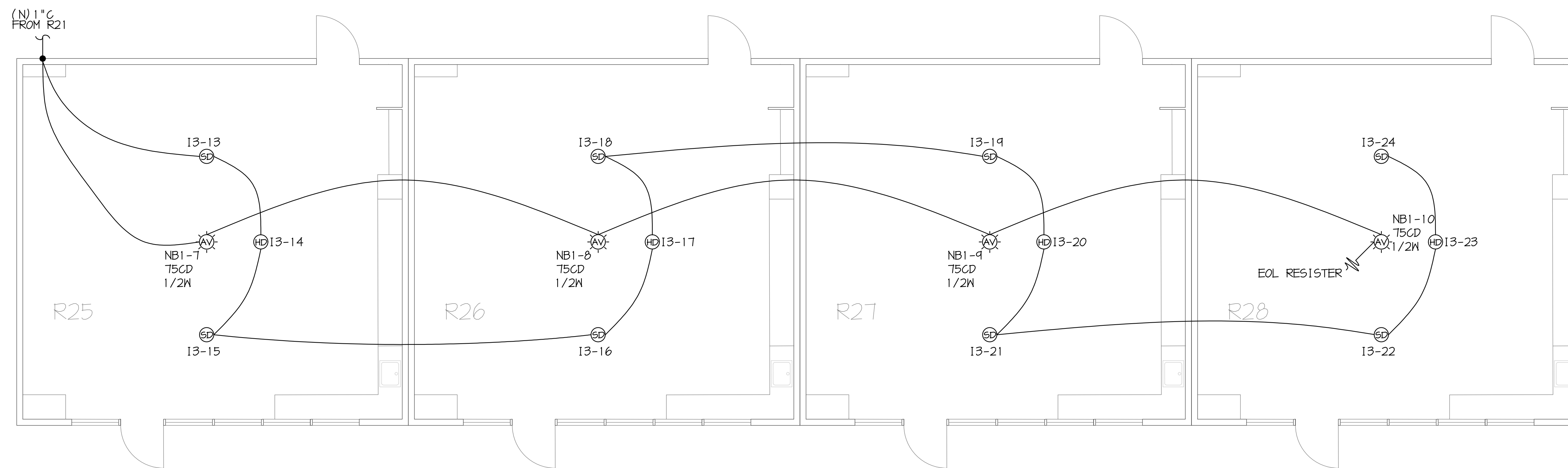
BUILDING B1 AND B2 FIRE ALARM PLAN

E-201



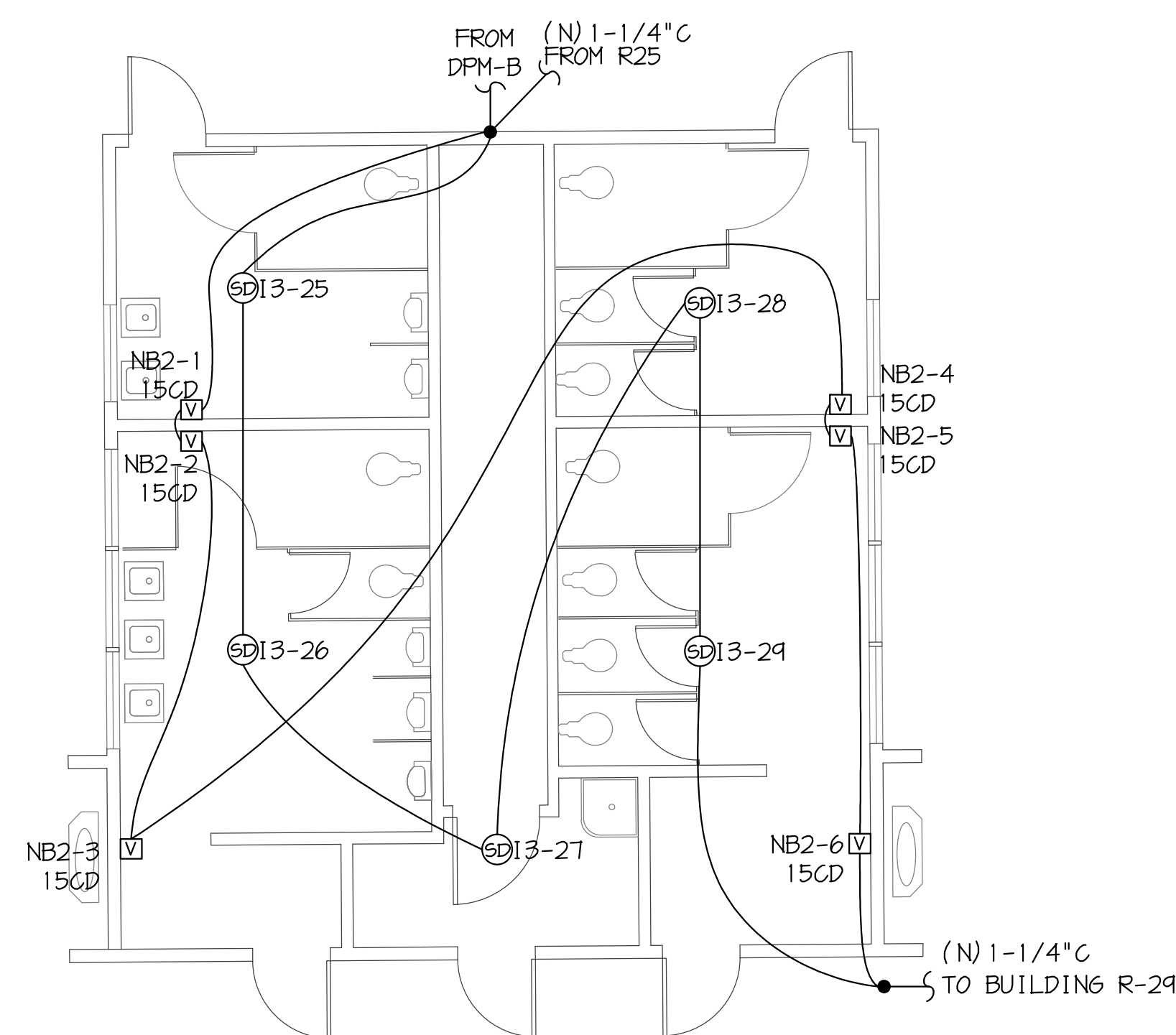
BUILDING B1 AND B2 FIRE ALARM PLAN

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



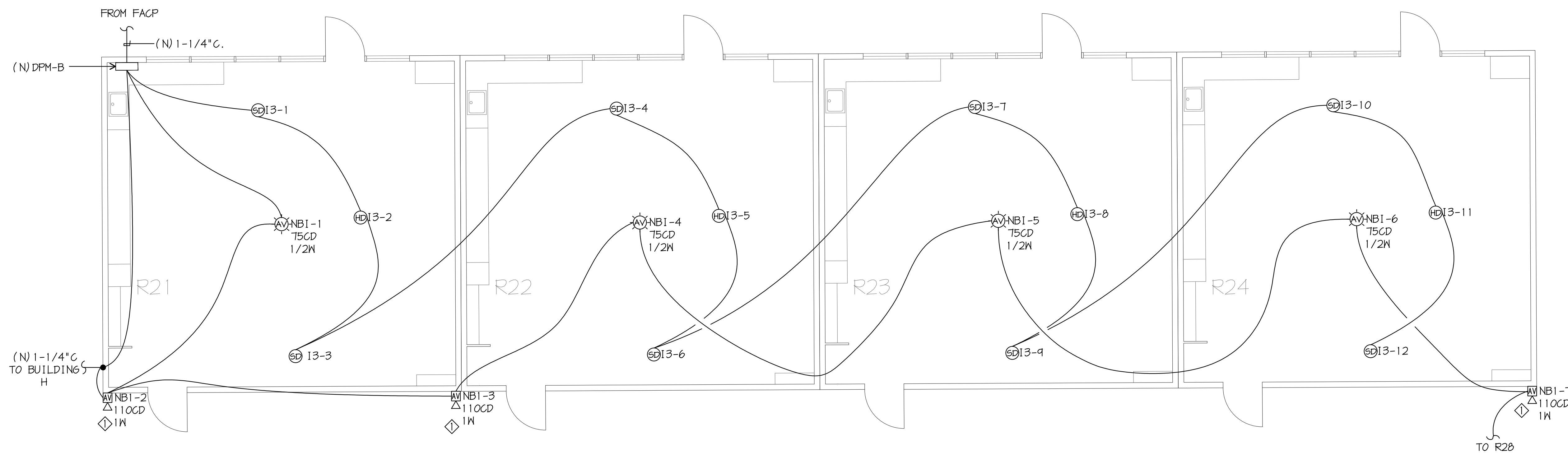
R25-R28 FIRE ALARM PLAN

SCALE: 3/16" = 1'-0"



BUILDING H FIRE ALARM PLAN

SCALE: 3/16" = 1'-0"



ROOMS R21-R24 FIRE ALARM PLAN

SCALE: 3/16" = 1'-0"

FIRE ALARM NOTES
 (N) SPEAKER/STROBE TO BE INSTALLED ON EXISTING BOX
 (N) DEVICES TO BE INSTALLED ON EXISTING BASES WHERE POSSIBLE.

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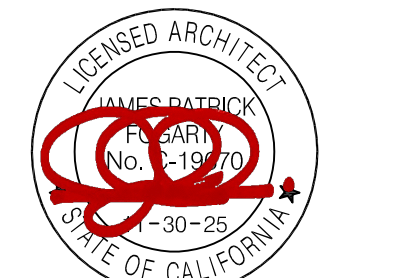
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CAMPUS HVAC SYSTEM UPGRADE

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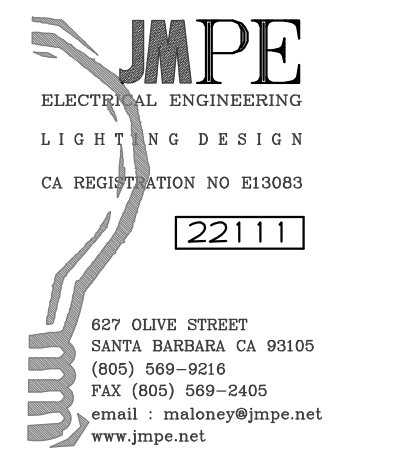
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FIRE ALARM BUILDING H AND R21-R24 PLAN

**CAMPUS HVAC
 SYSTEM UPGRADE**

**Fremont Magnet
 Elementary School**

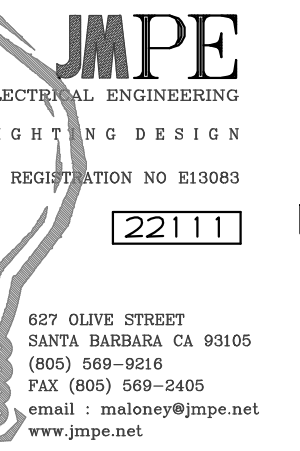
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 ARCHITECT C-19670

CONSULTANT



PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15-6
DSA No	03-122640

REVISIONS

No	Date	Item
	09.08.08	DESCRIPTION

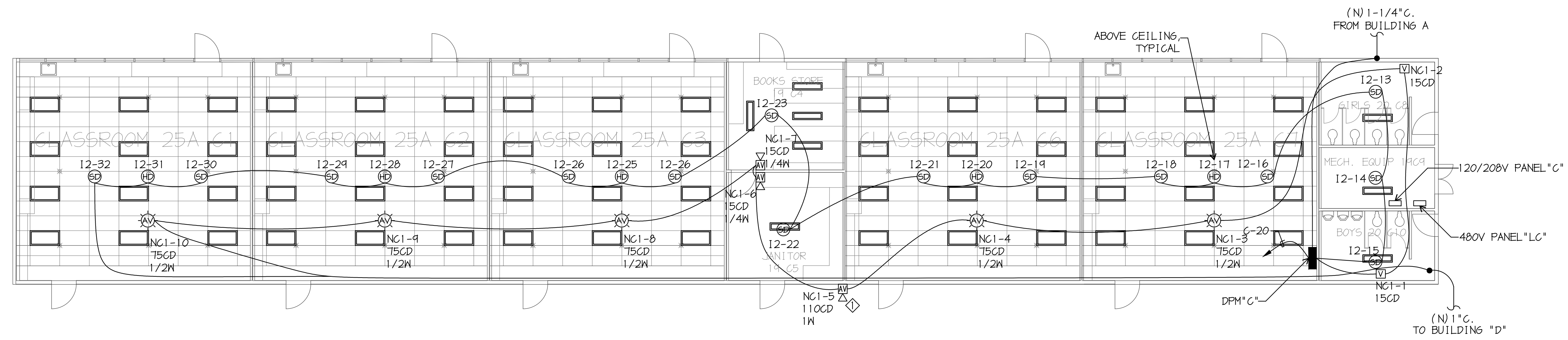
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**BUILDING C AND D FIRE
 ALARM PLAN**

E-204

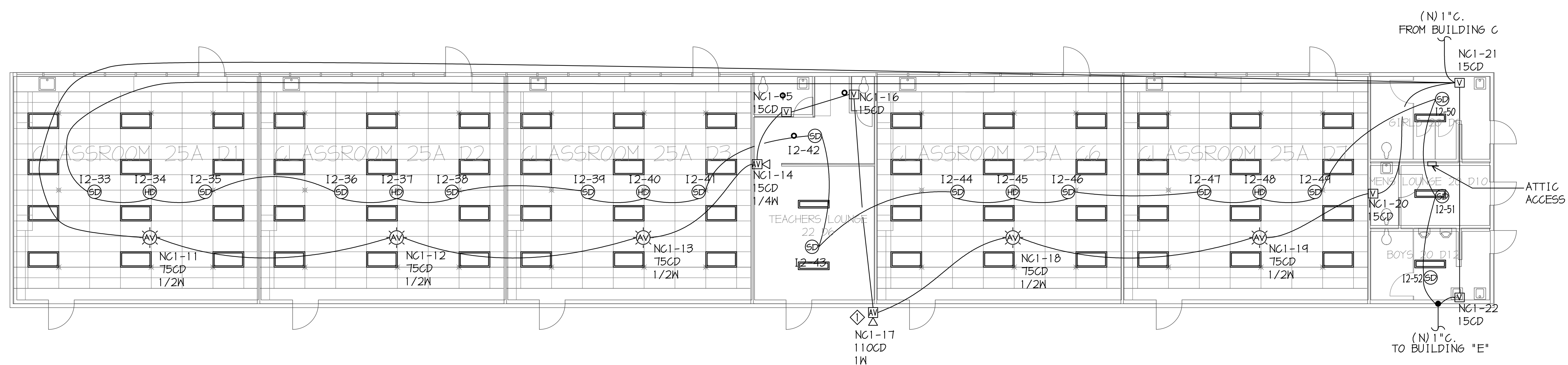
FIRE ALARM NOTES

- ◇ (N) SPEAKER/STROBE TO BE INSTALLED ON EXISTING BOX
- ◇ (N) DEVICES TO BE INSTALLED ON EXISTING BASES WHERE POSSIBLE.



BUILDING C FIRE ALARM PLAN

SCALE: 1/8" = 1'-0" 0 1 2 3 4 5 6



BUILDING D FIRE ALARM PLAN

SCALE: 1/8" = 1'-0" 0 1 2 3 4 5 6

**CAMPUS HVAC
 SYSTEM UPGRADE**

**Fremont Magnet
 Elementary School**

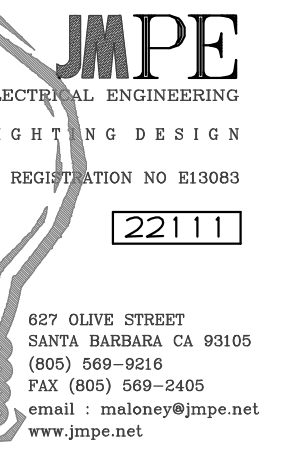
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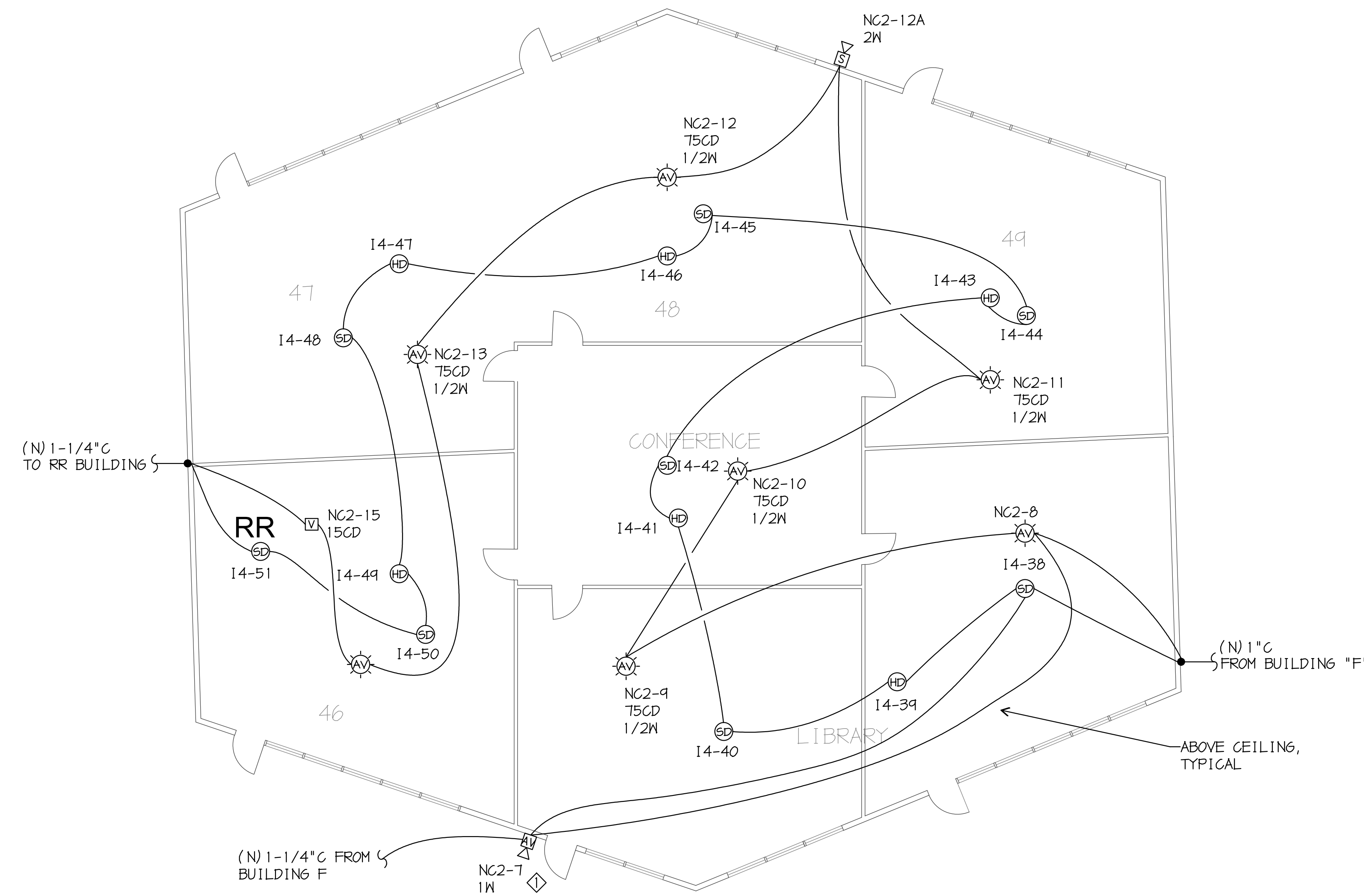
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**BUILDING G FIRE
 ALARM PLAN**

E-206

FIRE ALARM NOTES

- ◇ (N) SPEAKER/STROBE TO BE INSTALLED ON EXISTING BOX
- ◇ (N) DEVICES TO BE INSTALLED ON EXISTING BASES WHERE POSSIBLE.

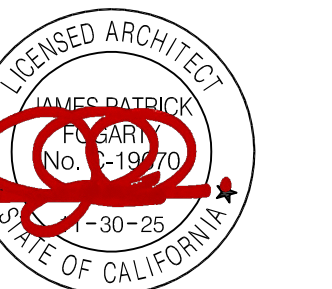


**CAMPUS HVAC
 SYSTEM UPGRADE**

Fremont Magnet
 Elementary School

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DSA No	03-122640

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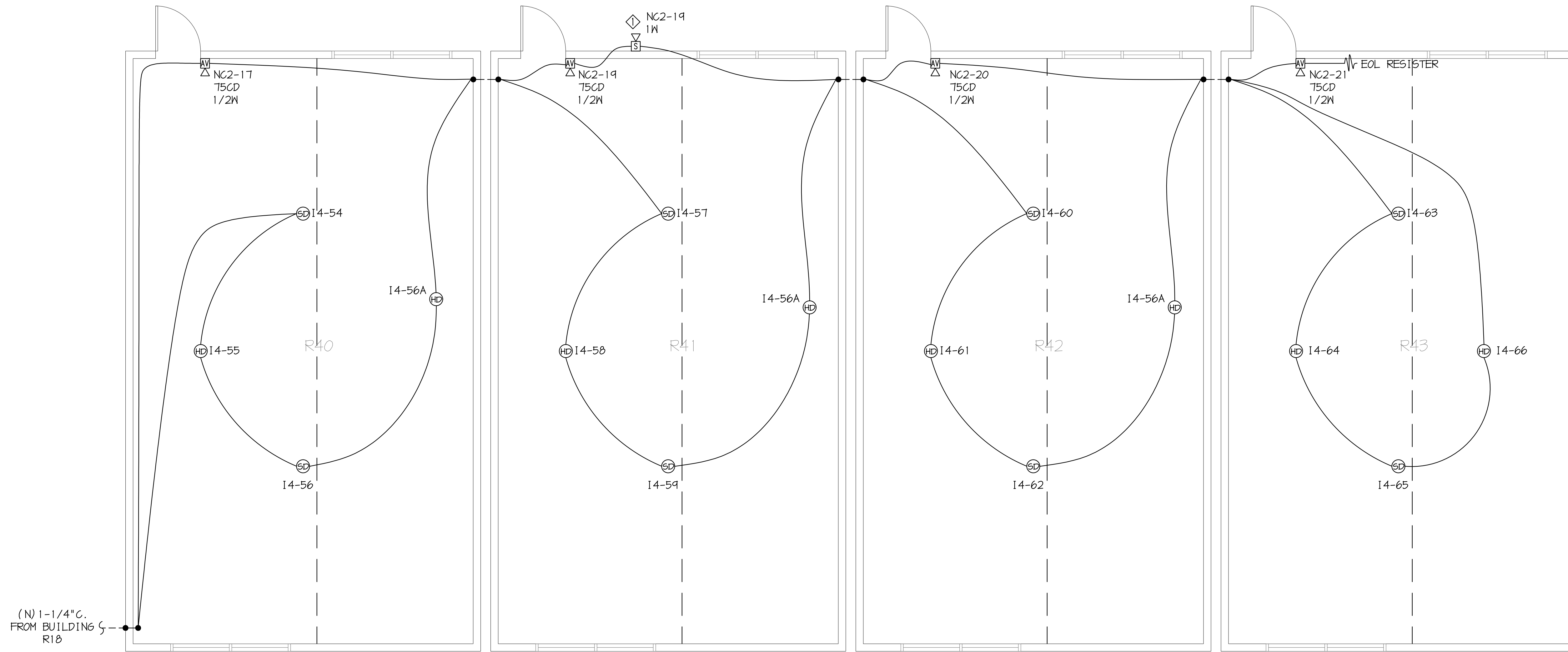
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**BUILDING R40-R43 AND
 R18 FIRE ALARM PLAN**

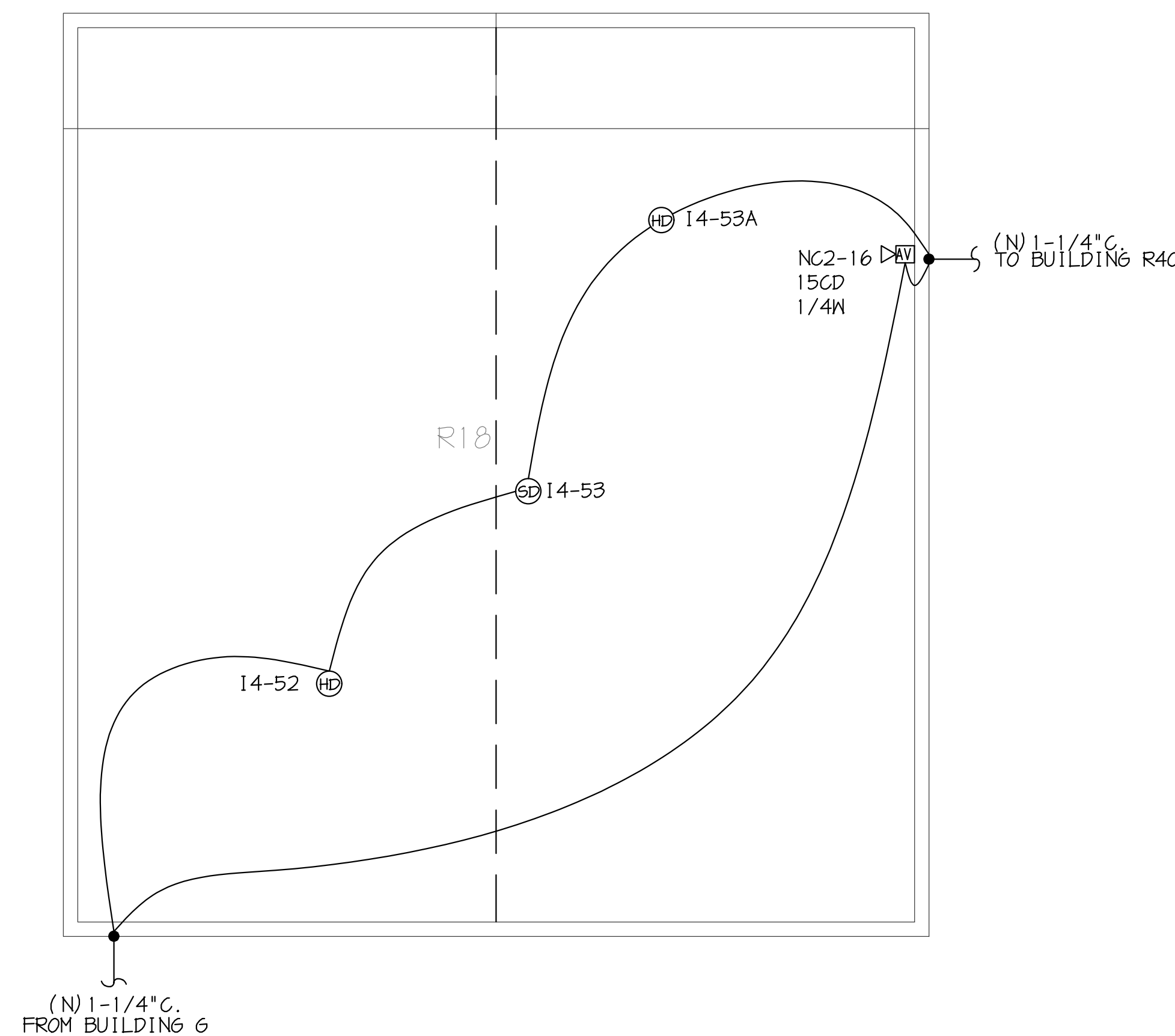
FIRE ALARM NOTES

- ◇ (N) SPEAKER/STROBE TO BE INSTALLED ON EXISTING BOX
- ◇ (N) DEVICES TO BE INSTALLED ON EXISTING BASES WHERE POSSIBLE.



BUILDING R40-R43 FIRE ALARM PLAN

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



BUILDING R18 FIRE ALARM PLAN

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

**CAMPUS HVAC
 SYSTEM UPGRADE**

**Fremont Magnet
 Elementary School**

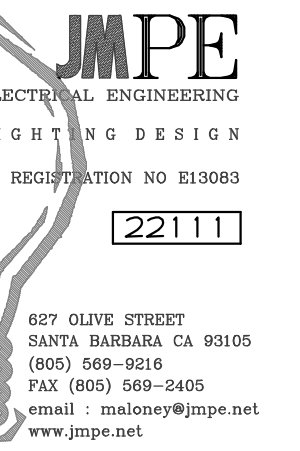
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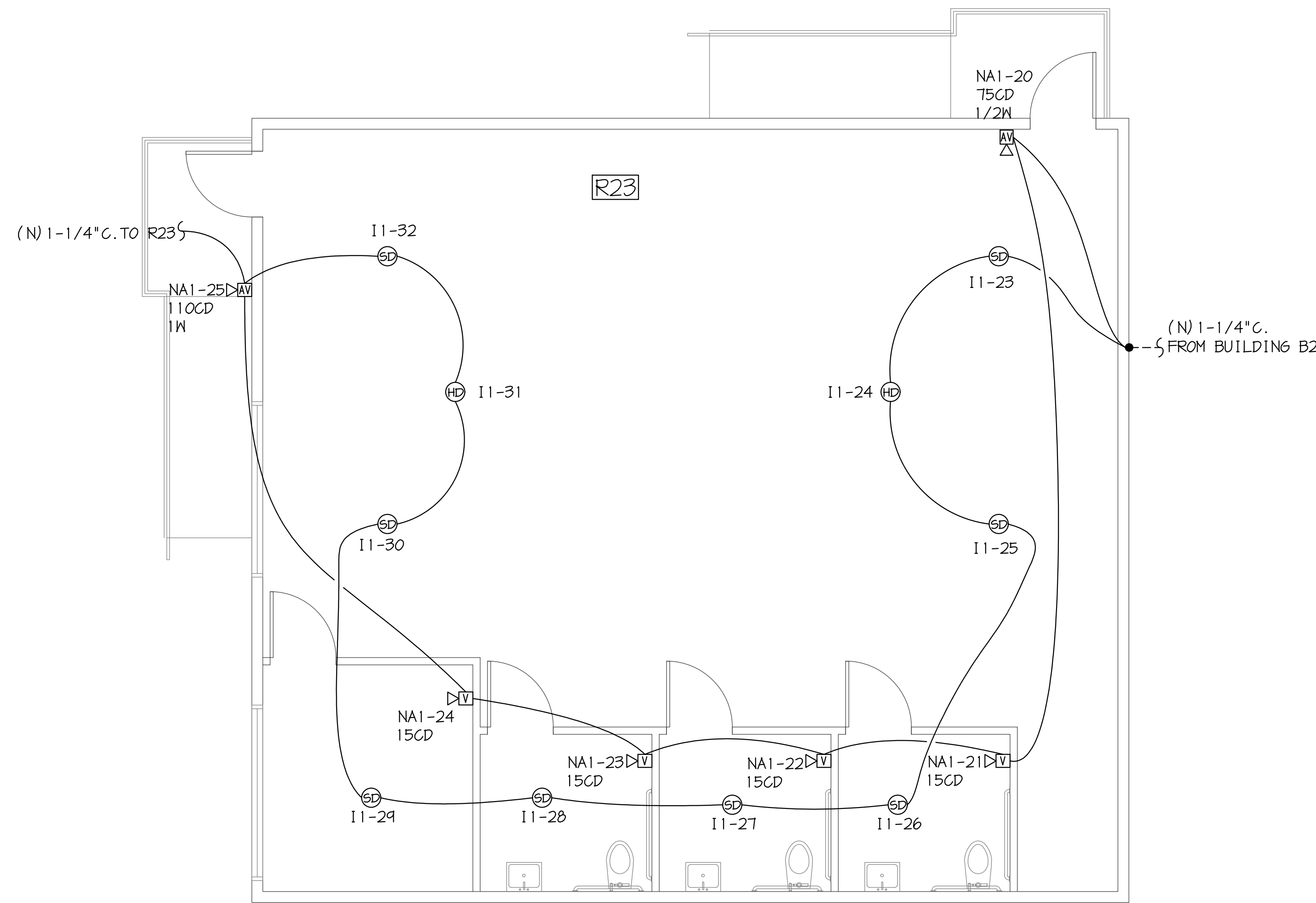
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**BUILDING R23 AND R1
 FIRE ALARM PLAN**

E-209

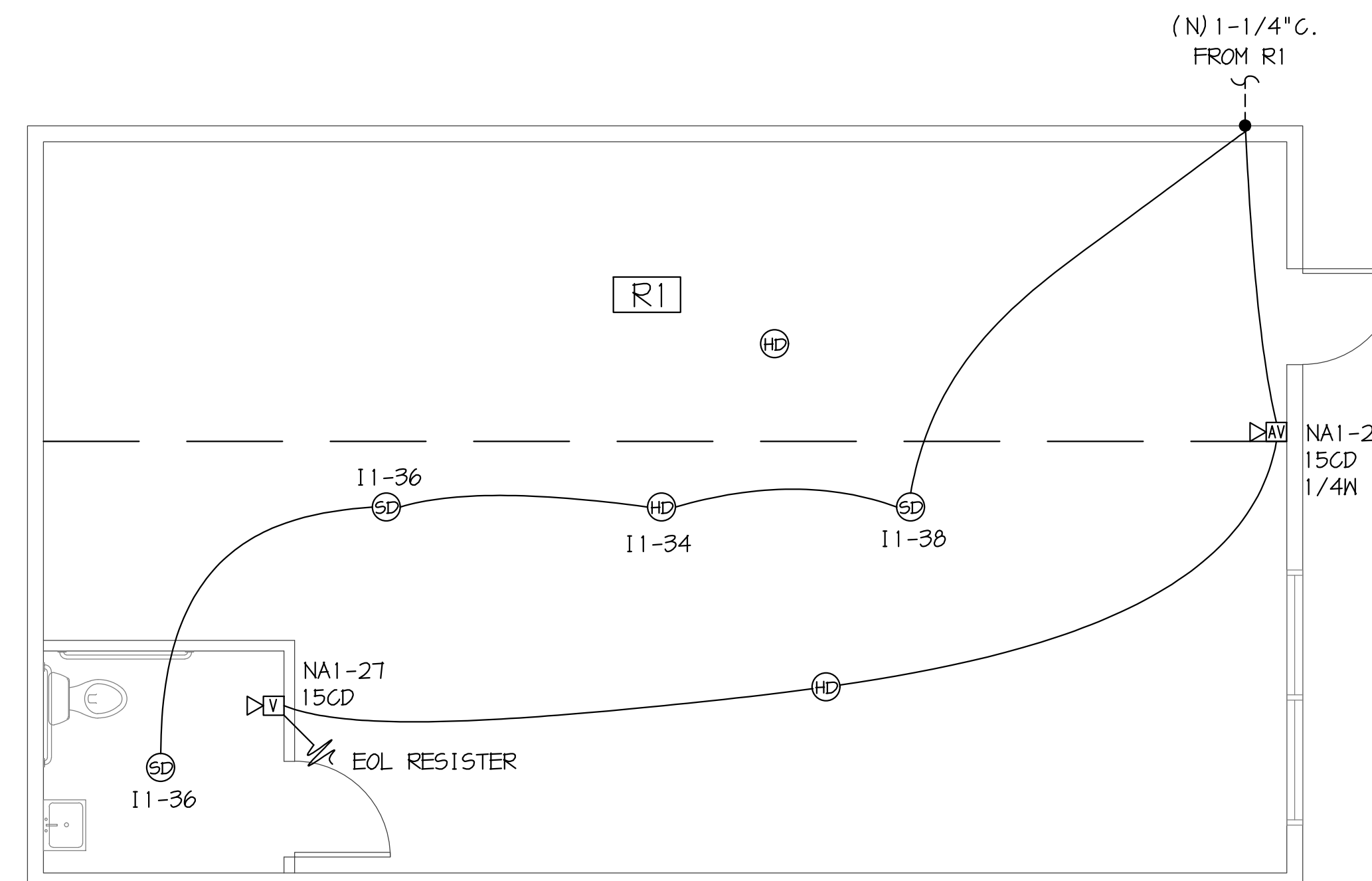
FIRE ALARM NOTES

- ◊ (N) SPEAKER/STROBE TO BE INSTALLED ON EXISTING BOX
- ◊ (N) DEVICES TO BE INSTALLED ON EXISTING BASES WHERE POSSIBLE.



BUILDING R1 FIRE ALARM PLAN

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

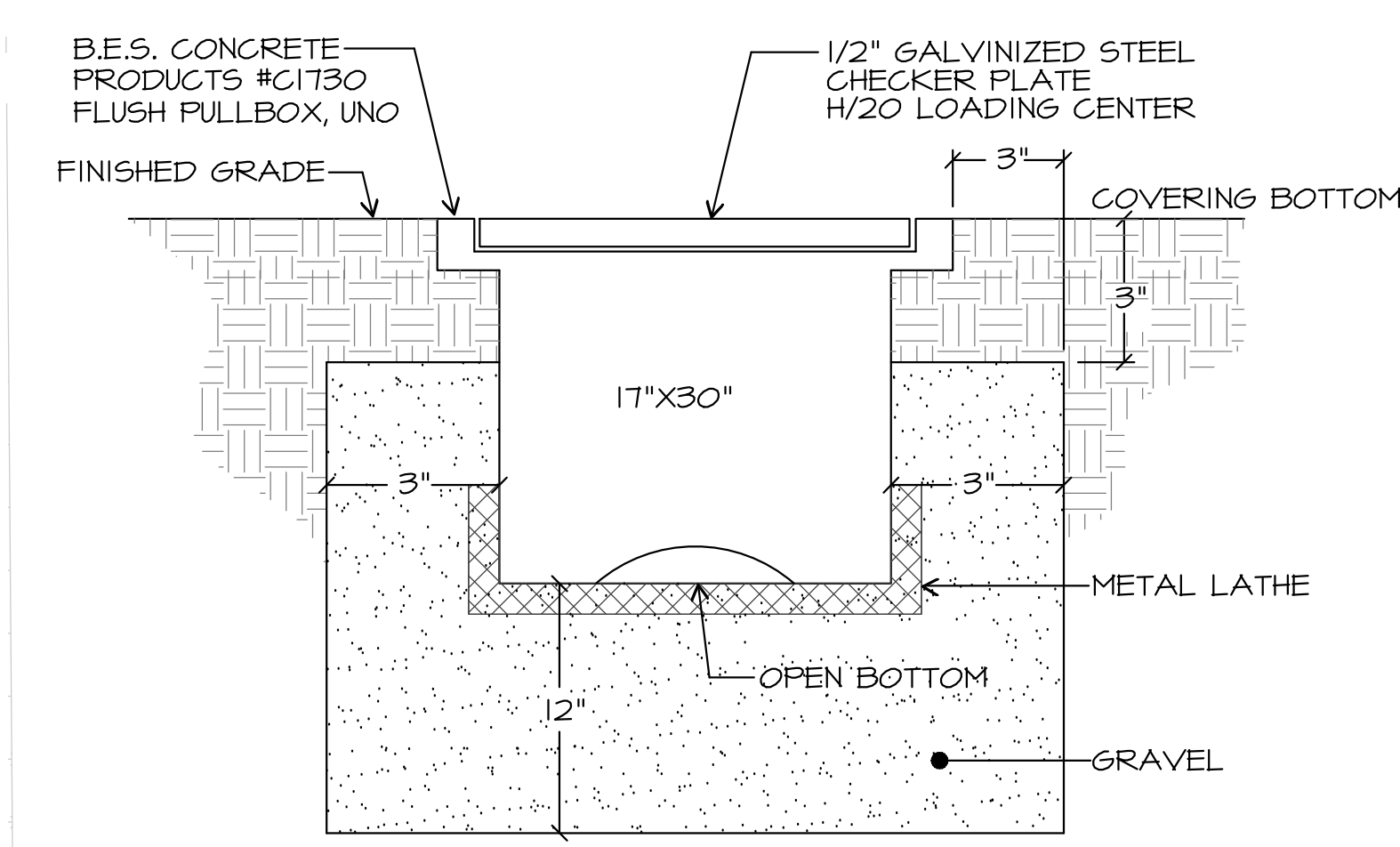
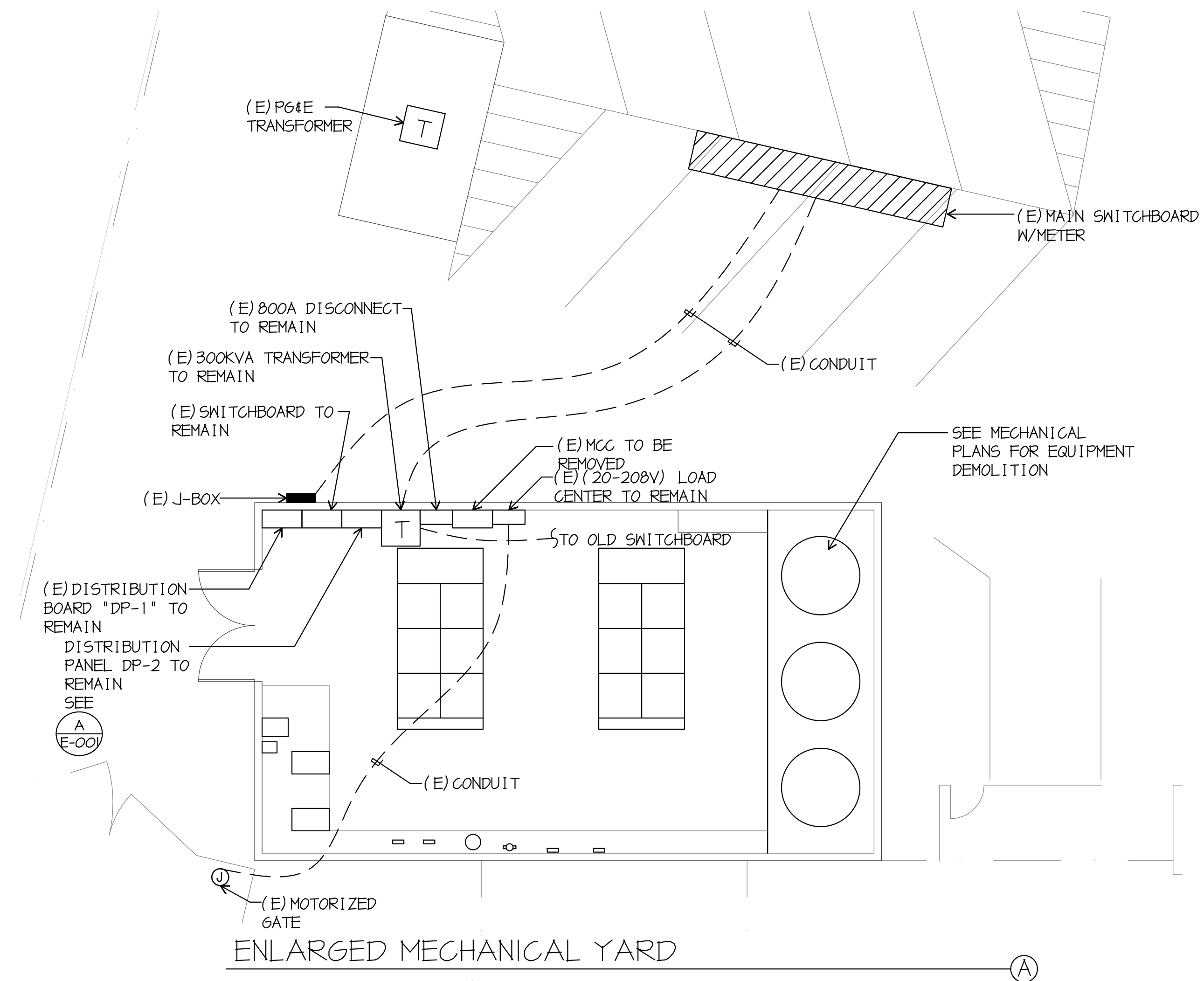
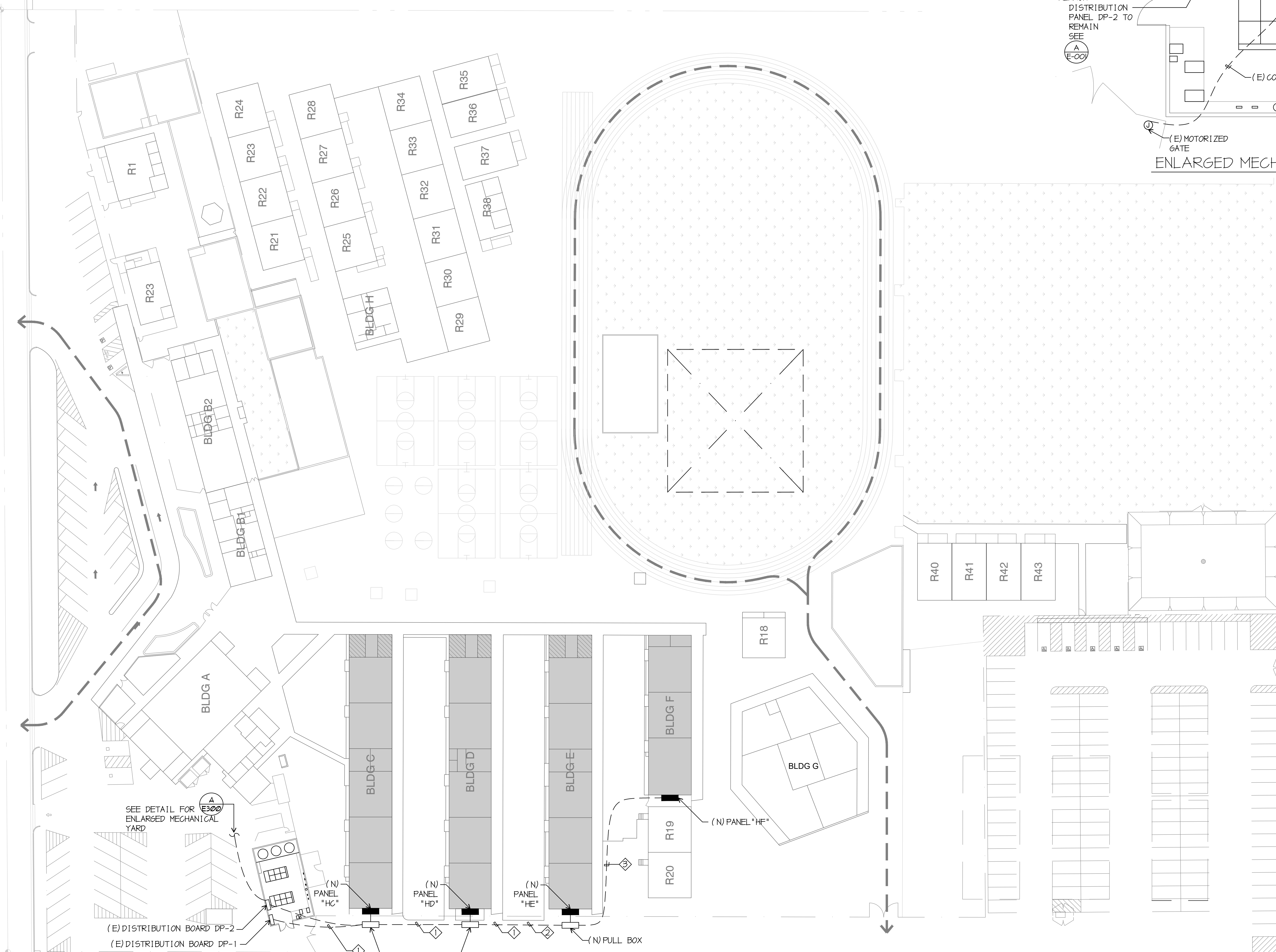


BUILDING R23 FIRE ALARM PLAN

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

ELECTRICAL NOTES

- ◇ (N) 4#3/0, (1) #6GND. TO BE PULLED THROUGH (E) 2" C.
- ◇ (N) 4#1/0, 1#6GND TO BE PULLED THROUGH (E) 2" C.
- ◇ (N) 2" C. W/(N) 4#1/0, 1#6GND



FLUSH PULLBOX DETAIL SCALE: NONE (B)

ELECTRICAL SITE PLAN



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CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School
607 Texas St Bakersfield, CA 93307
Bakersfield City School District

ARCHITECT



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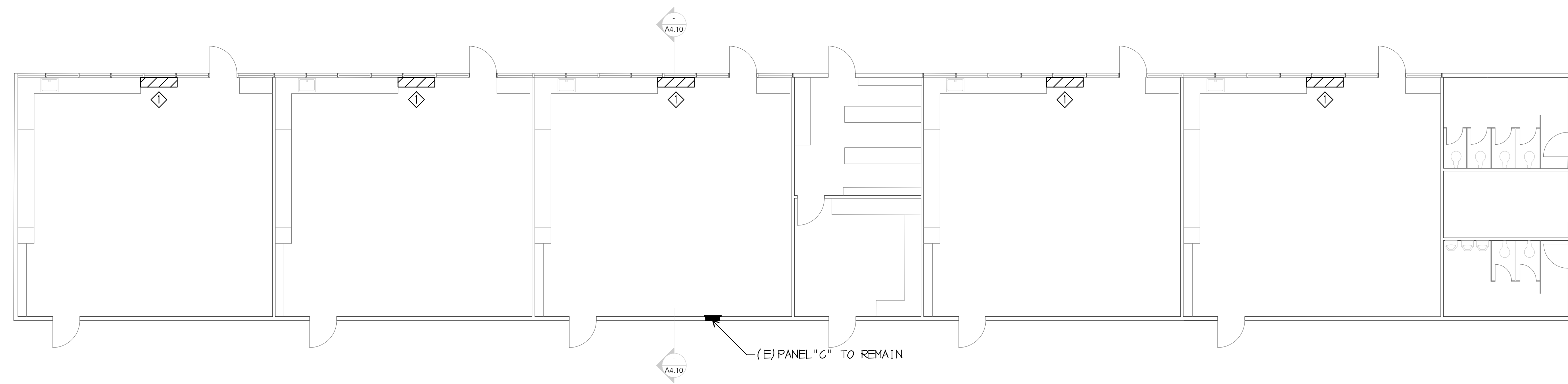
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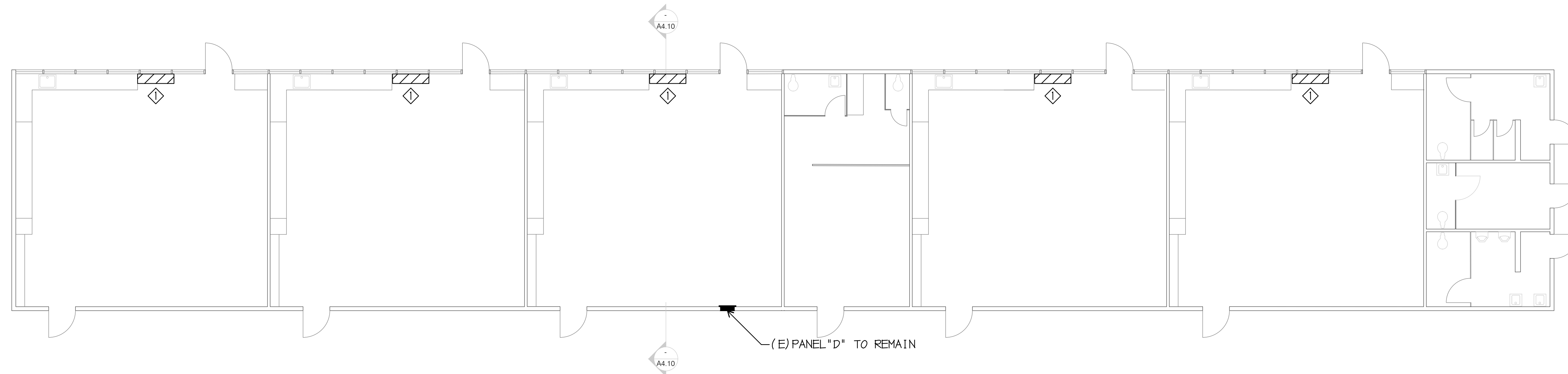
ELECTRICAL SITE PLAN

E-500



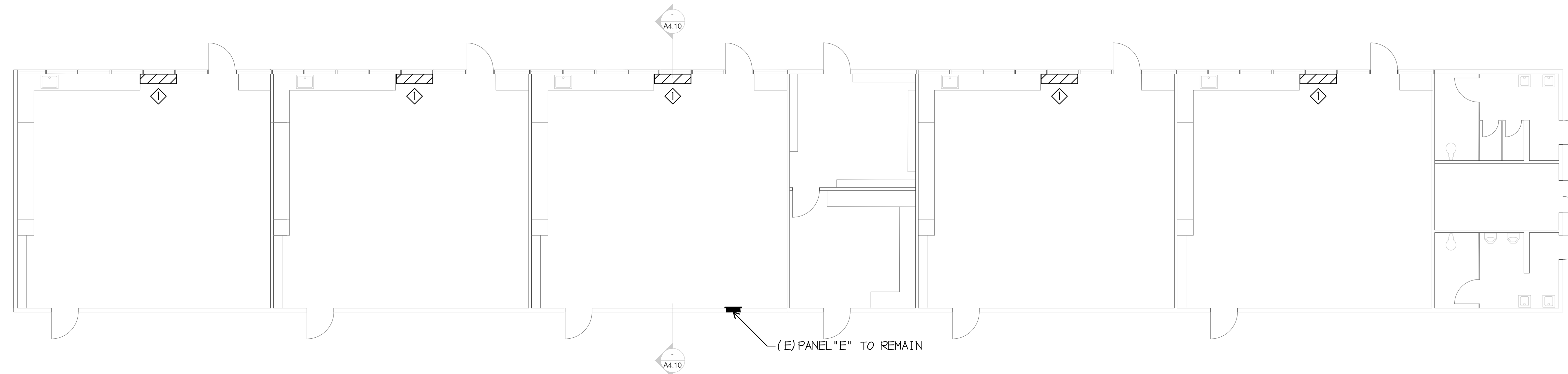
ELECTRICAL DEMOLITION PLAN-BUILDING C

SCALE: 1/8" = 1'-0" 0 1 2 4 6



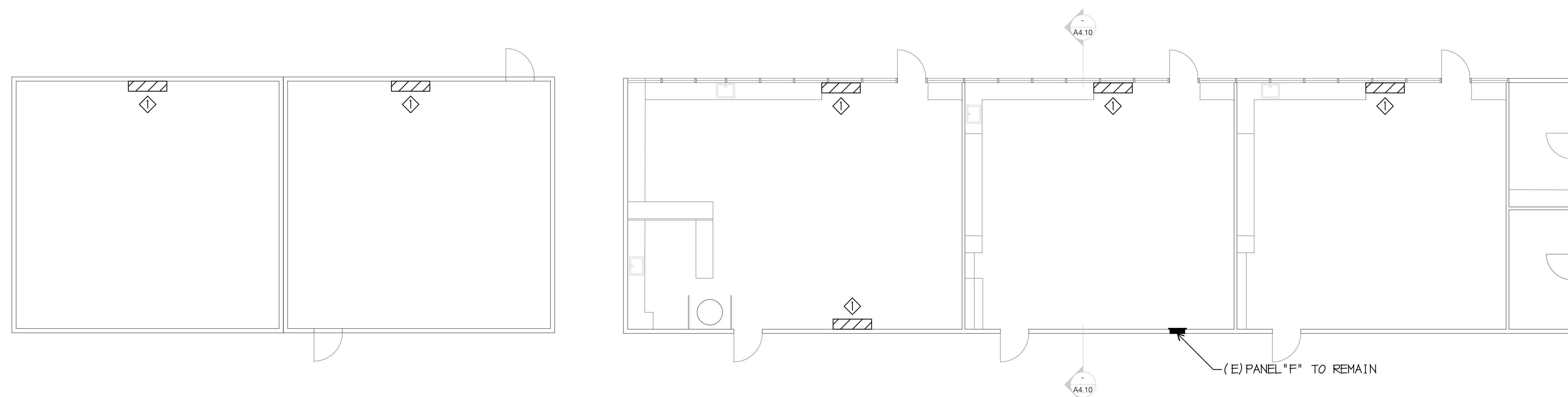
ELECTRICAL DEMOLITION PLAN-BUILDING D

SCALE: 1/8" = 1'-0" 0 1 2 4 6



ELECTRICAL DEMOLITION PLAN-BUILDING E

SCALE: 1/8" = 1'-0" 0 1 2 4 6



ELECTRICAL DEMOLITION PLAN-BUILDING R19/R20 AND F

SCALE: 1/8" = 1'-0" 0 1 2 4 6

DEMOLITION NOTES
 ◆ UNIT VENTILATOR TO BE REMOVED. CONDUIT AND CONDUCTORS TO VENTILATOR TO BE REMOVED BACK TO PANEL

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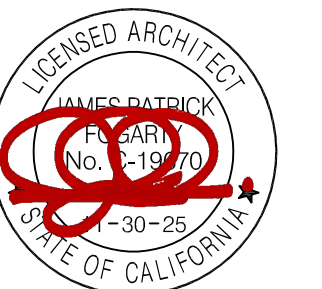


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CAMPUS HVAC
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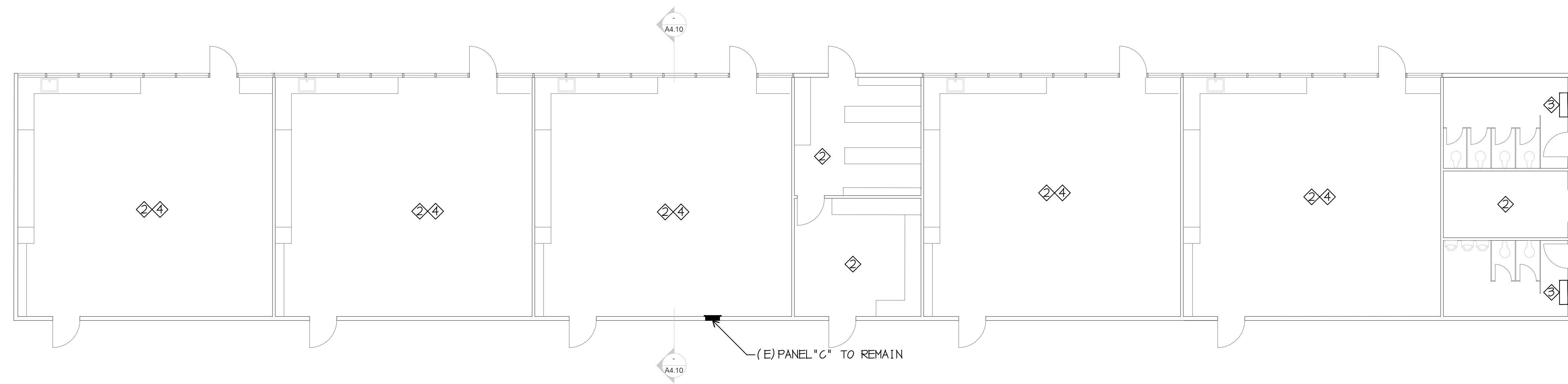
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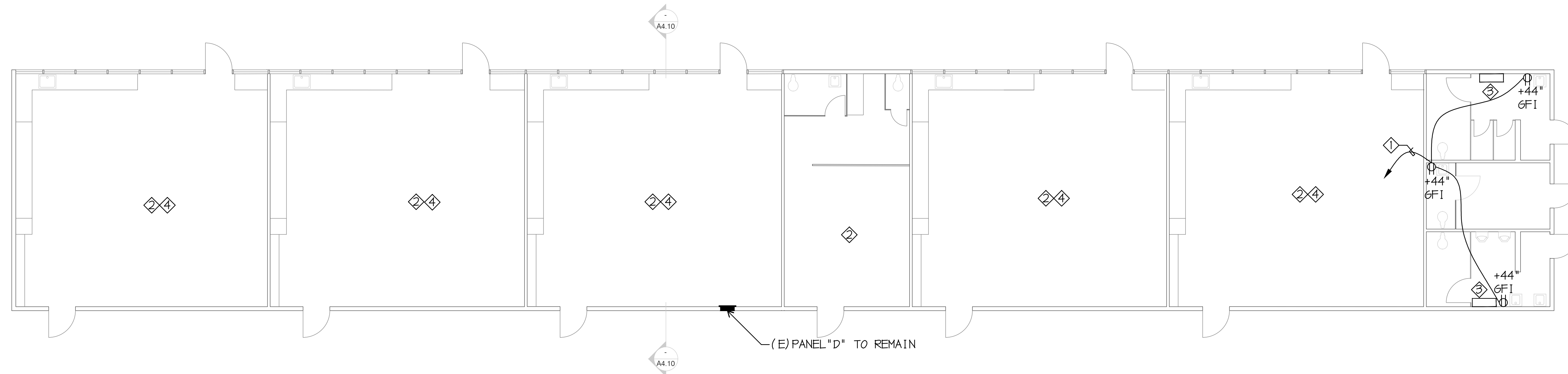
ELECTRICAL DEMOLITION SHEET

E-501



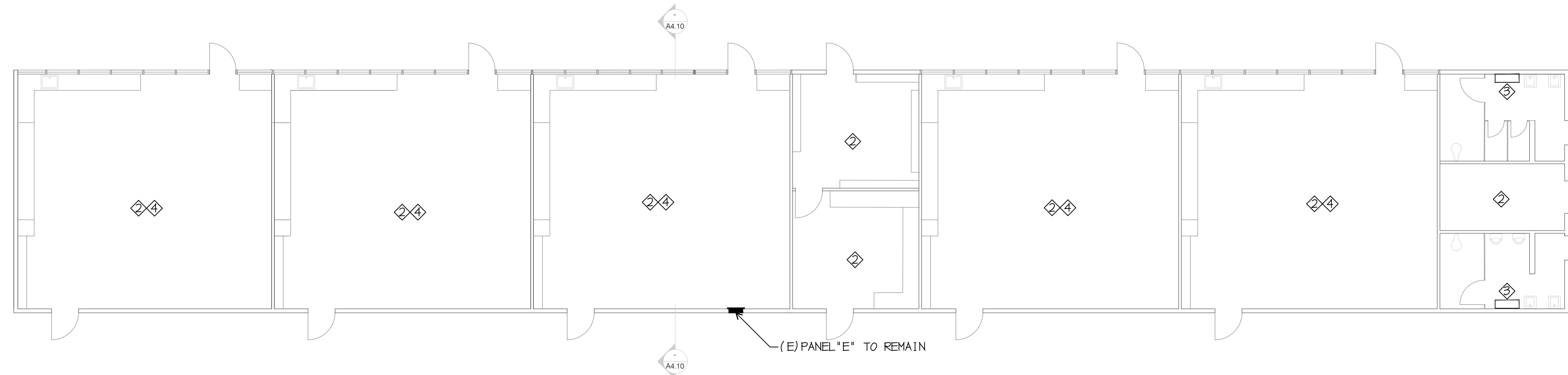
ELECTRICAL PLAN-BUILDING C

SCALE: 1/8" = 1'-0" 0 1 2 4 6



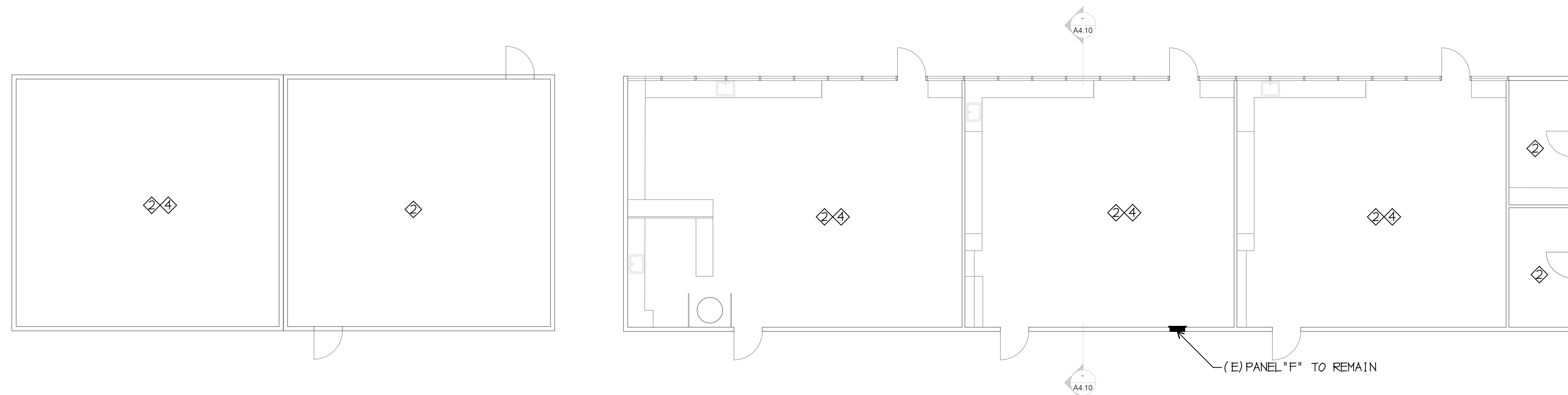
ELECTRICAL PLAN-BUILDING D

SCALE: 1/8" = 1'-0" 0 1 2 4 6



ELECTRICAL PLAN-BUILDING E

SCALE: 1/8" = 1'-0" 0 1 2 4 6



ELECTRICAL PLAN-BUILDING R5 AND F

SCALE: 1/8" = 1'-0" 0 1 2 4 6

- ELECTRICAL NOTES**
- ◇ CONNECT TO (E) CIRCUIT
 - ◇ ALL EXISTING OUTLETS TO REMAIN. REMOVE AND REINSTALL EXISTING SURFACE MOUNTED RACEWAYS FOR FINISH. PROVIDE EXTENSION RING AT OUTLETS AS REQUIRED AT NEW FINISHES.
 - ◇ REMOVE EXISTING HAND DRYERS
 - ◇ SEE TYPICAL CLASSROOM DETAIL

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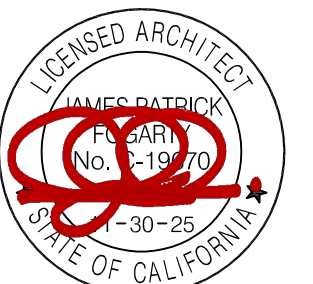


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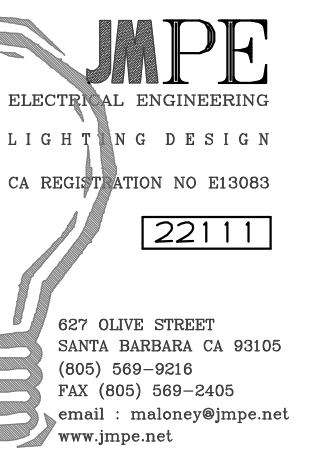
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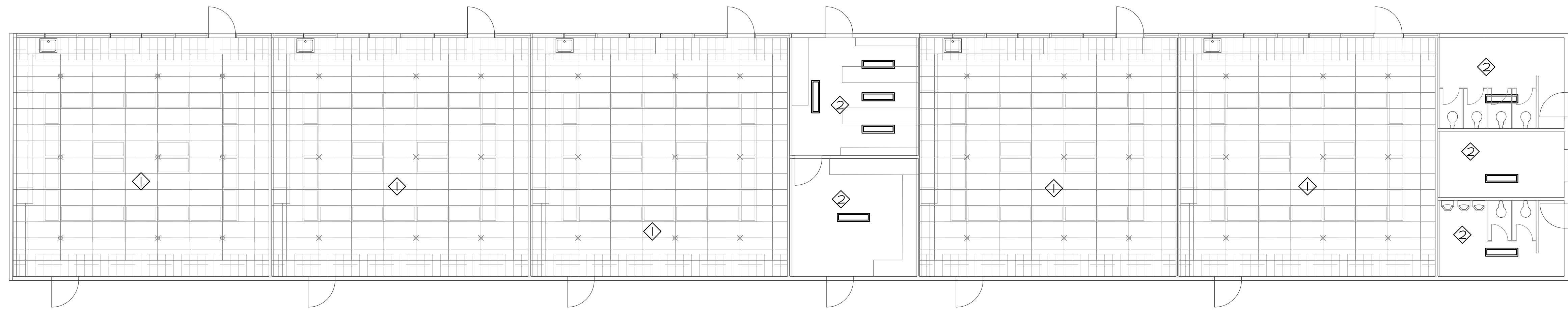
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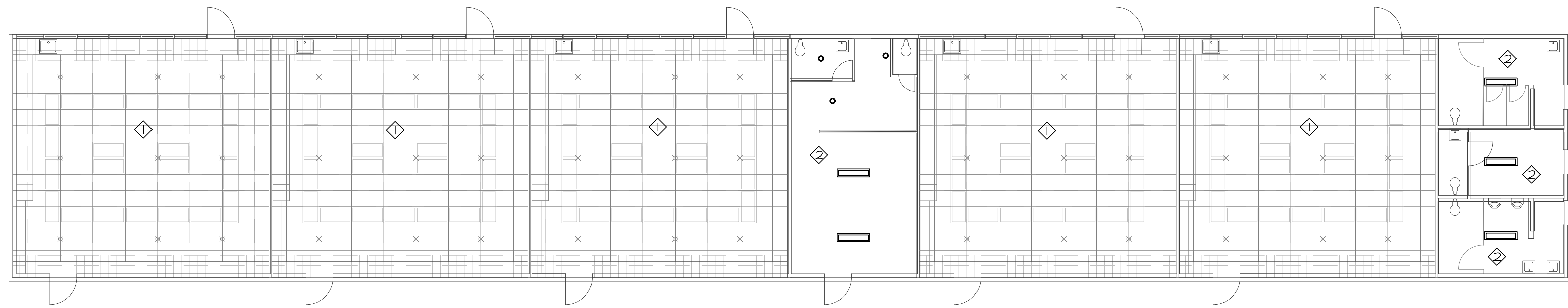
ELECTRICAL SHEET

E-502



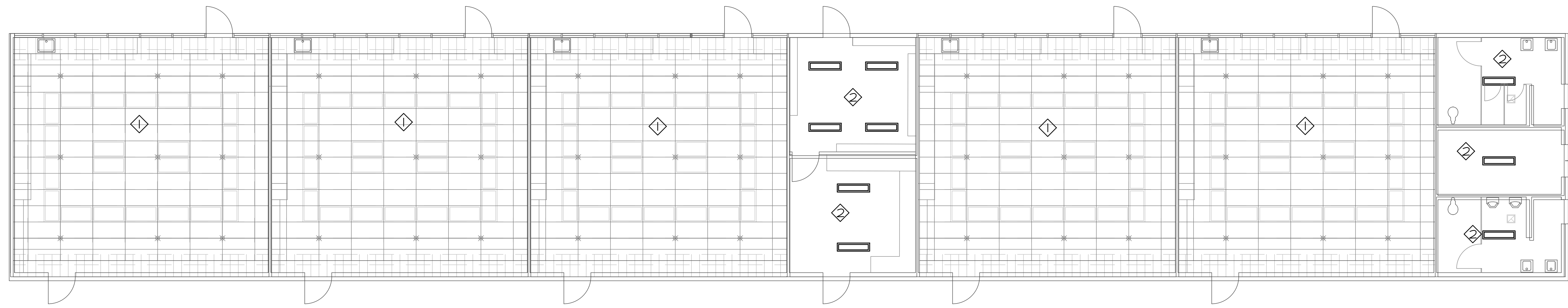
DEMOLITION LIGHTING PLAN - BUILDING C

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



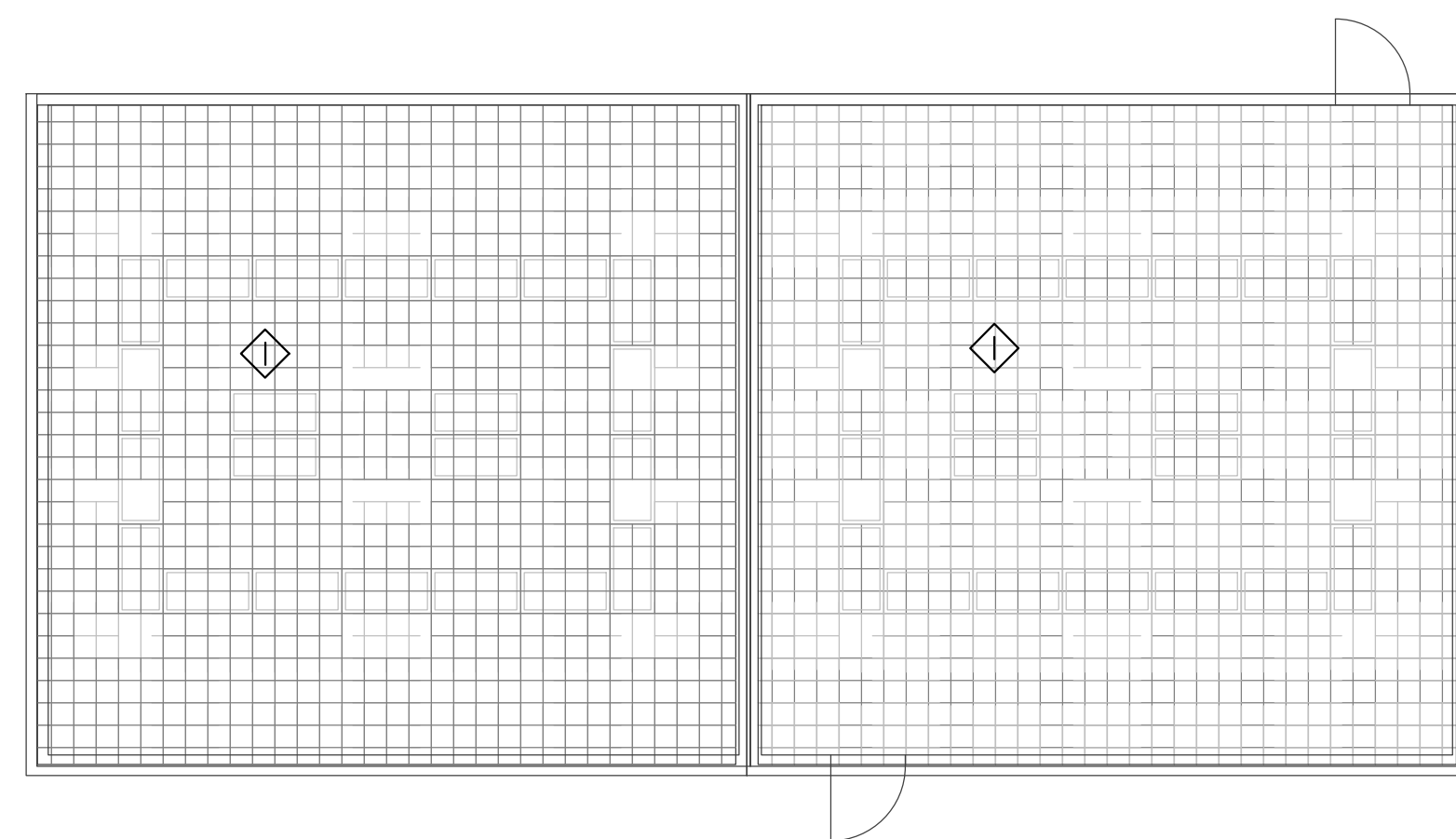
DEMOLITION LIGHTING PLAN - BUILDING D

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



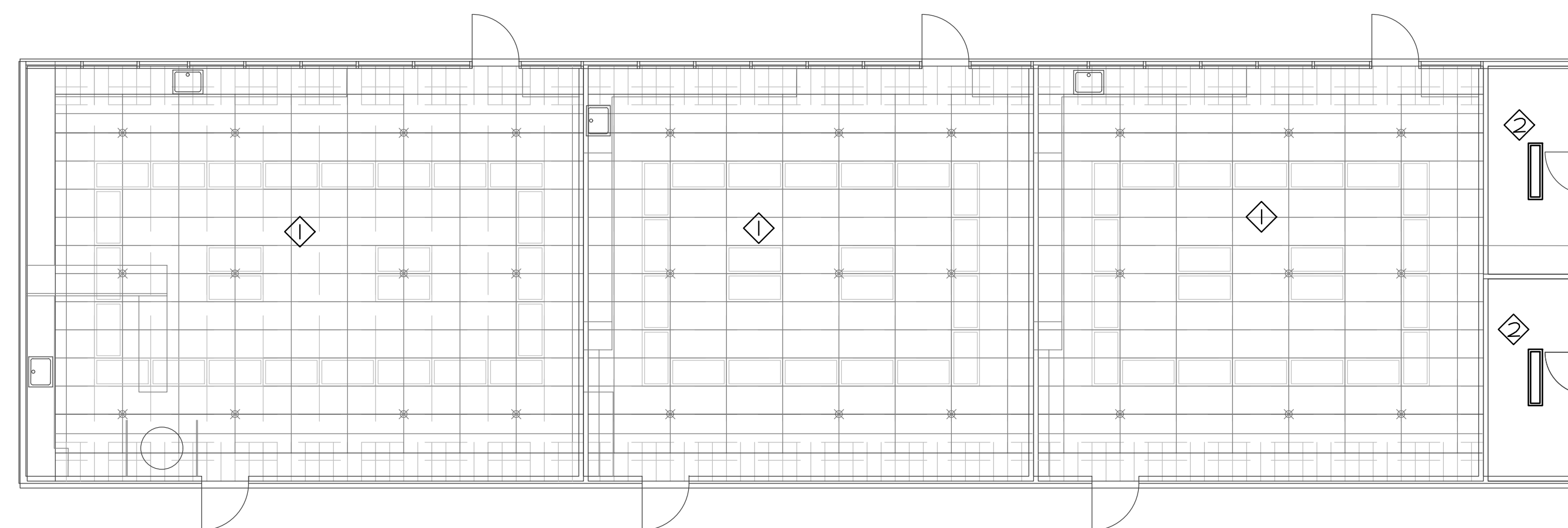
DEMOLITION LIGHTING PLAN - BUILDING E

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



DEMOLITION LIGHTING PLAN - BUILDING R5

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



DEMOLITION LIGHTING PLAN - BUILDING R20, R19 & F

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

LIGHTING DEMOLITION NOTES

- REMOVE EXISTING LIGHTING COMPLETE
- EXISTING LIGHTING TO REMAIN IN THIS SPACE

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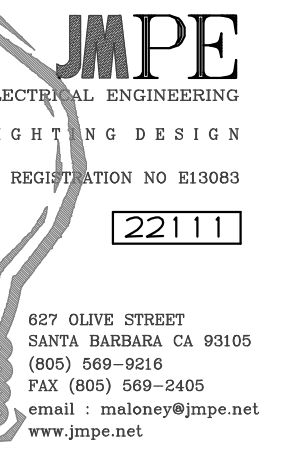
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DEMOLITION
LIGHTING PLAN

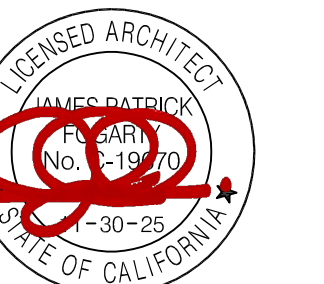
E-503

**CAMPUS HVAC
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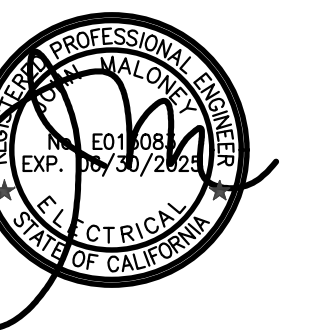
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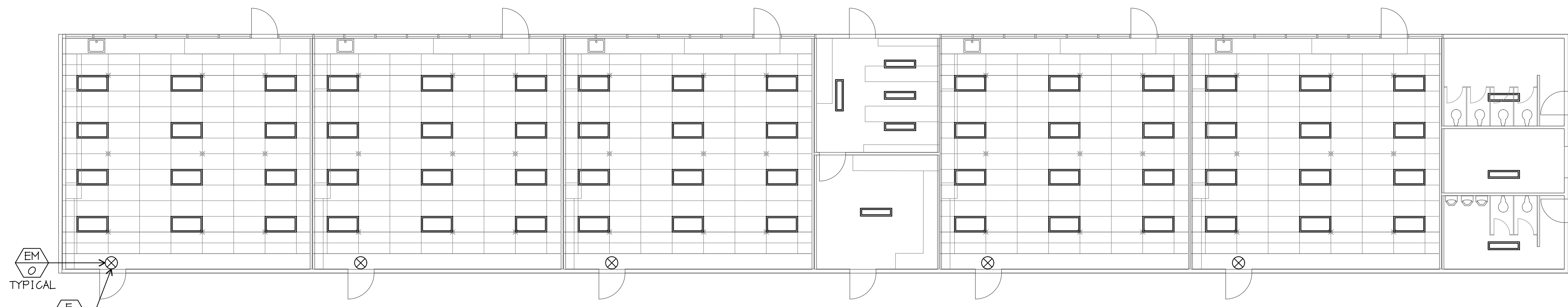
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LIGHTING
 PLAN

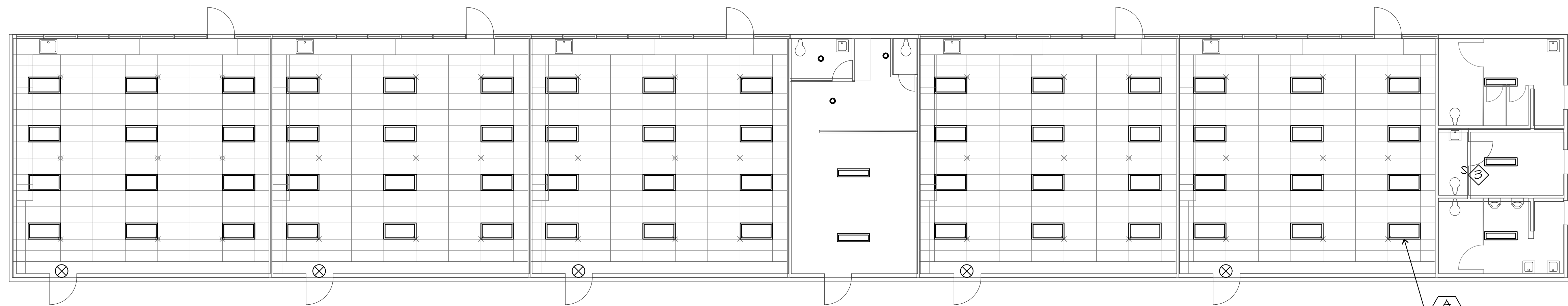
E-504



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LIGHTING PLAN - BUILDING C

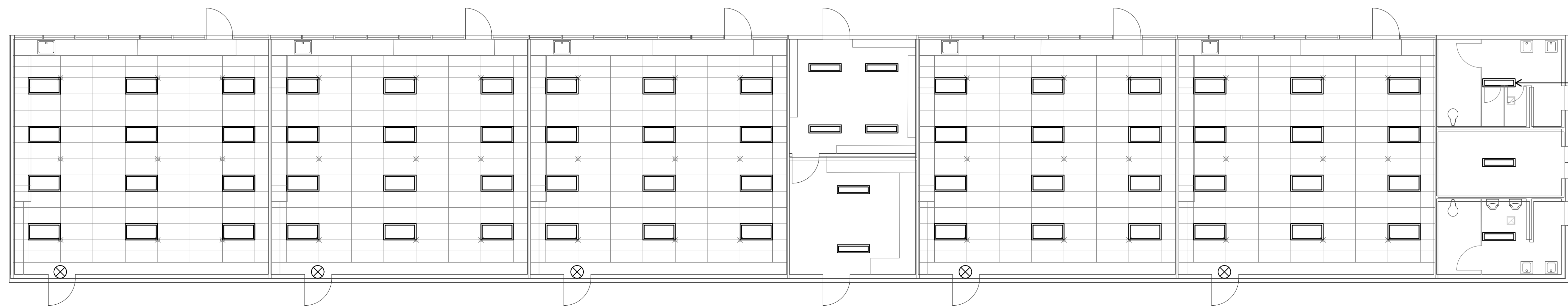
SCALE: 1/8" = 1'-0"



A
 43
 TYPICAL

LIGHTING PLAN - BUILDING D

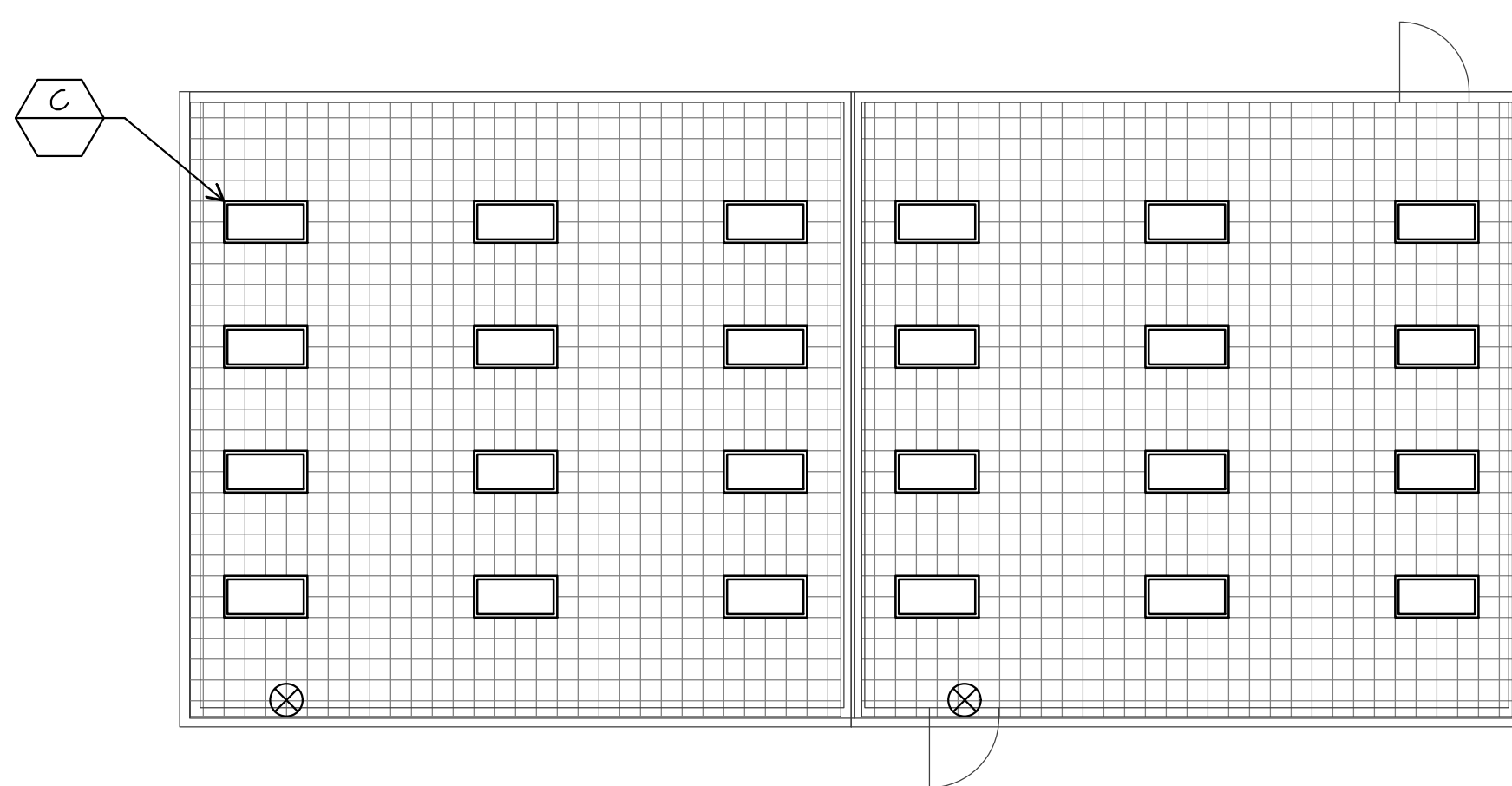
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B
 34
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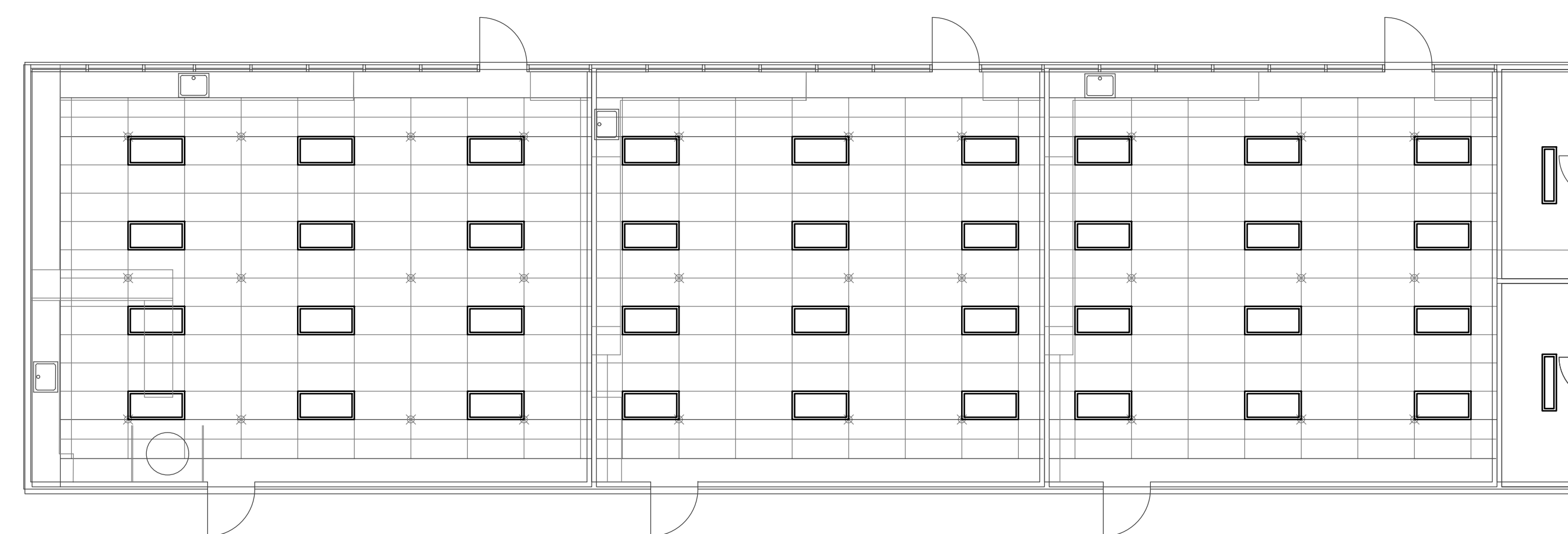
LIGHTING PLAN - BUILDING E

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



LIGHTING PLAN - BUILDING R5

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



LIGHTING PLAN - BUILDING R20, R19 & F

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

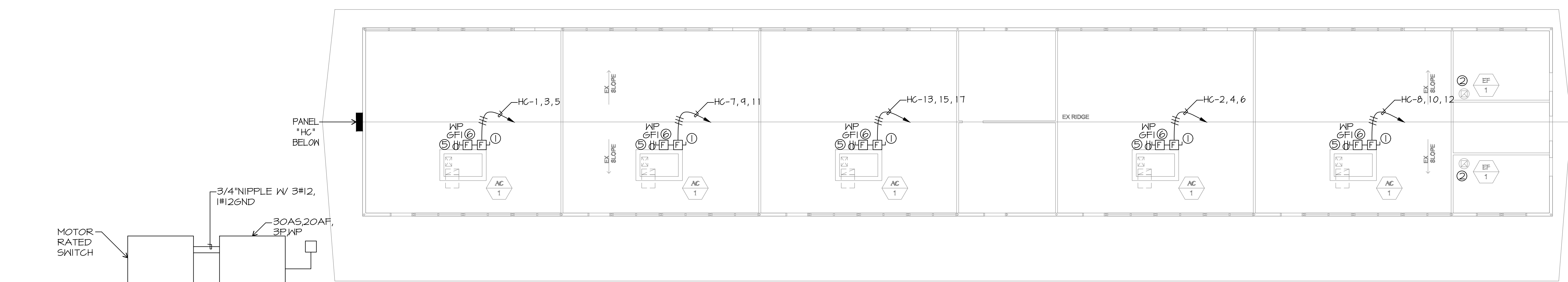
LIGHTING NOTES

1. CONNECT NEW LIGHTS TO EXISTING CIRCUIT + CONTROL

2. SUPPORT LIGHT FIXTURES

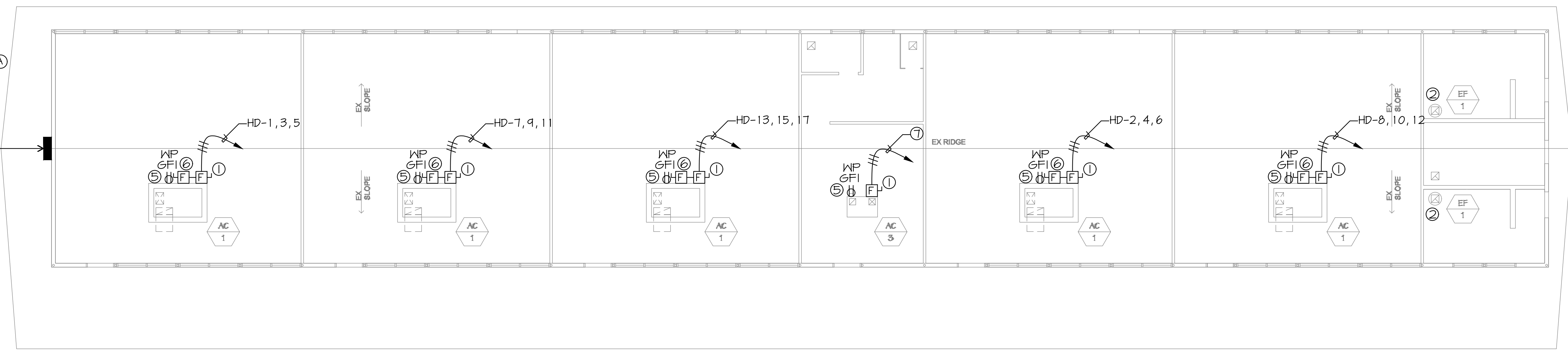
PER

SENSOR SWITCH WSX-2P-FAN-PDT-WH



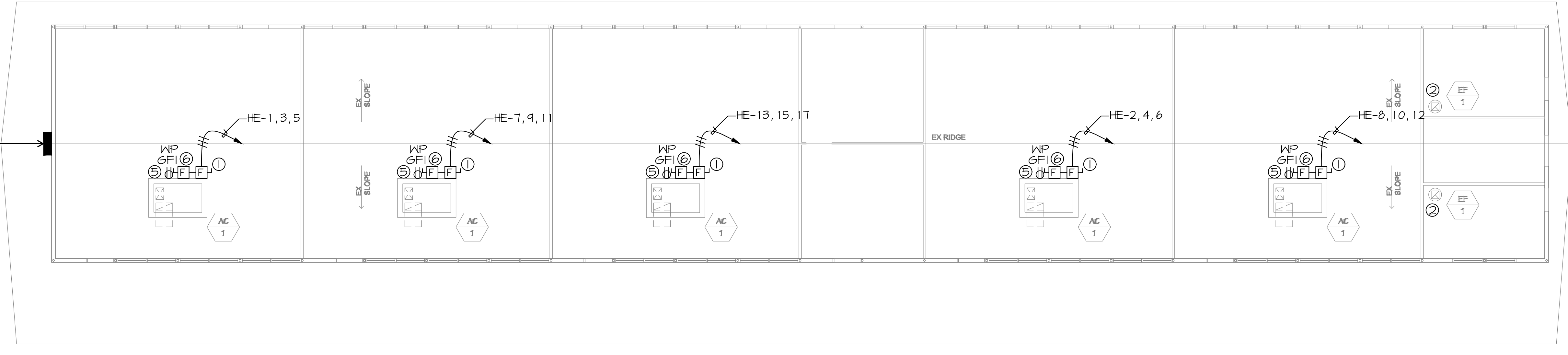
ROOF PLAN - BUILDING C

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



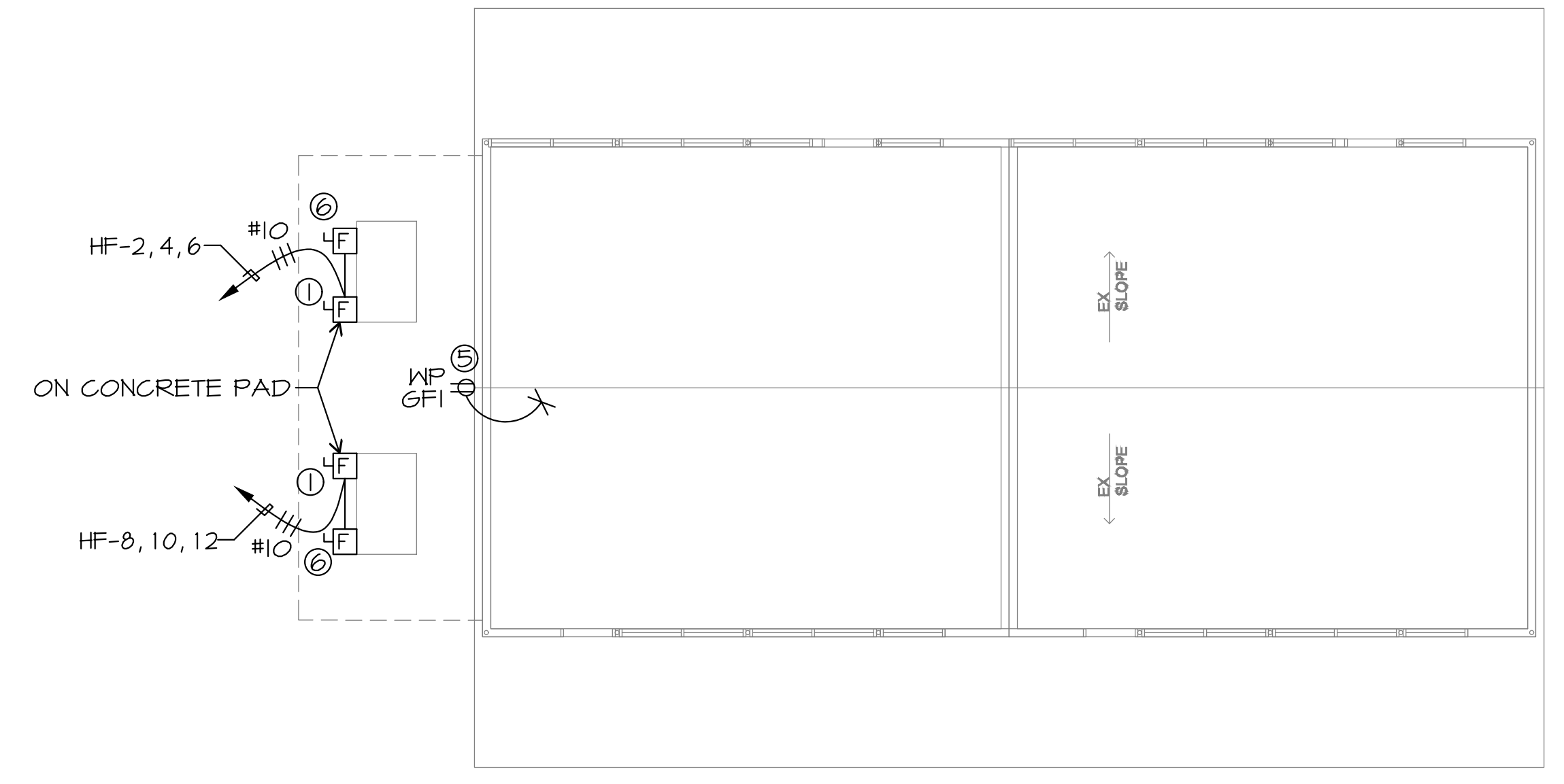
ROOF PLAN - BUILDING D

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



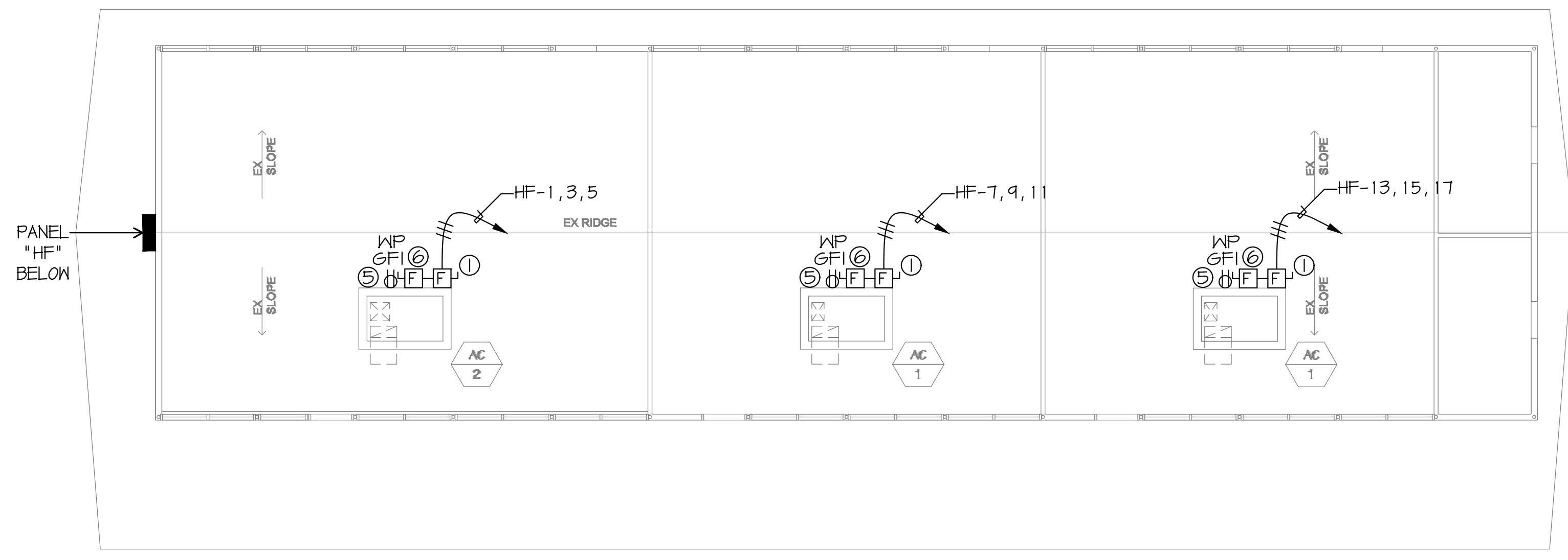
ROOF PLAN - BUILDING E

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



ROOF PLAN - BUILDING R5

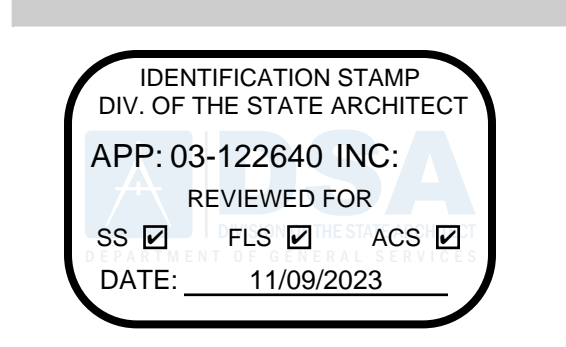
SCALE: 1/8" = 1'-0"



ROOF PLAN - BUILDING F

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

- ELECTRICAL NOTES**
- 30AS, 30AF, 3P, WP, 600V
 - CONNECT EF TO (E)CIRCUIT
 - COORDINATE UNIT LOCATIONS + REQUIREMENTS W/ INSTALLER
 - SEAL ALL ROOF PENETRATIONS WATERTIGHT.
 - CONNECT TO UNSWITCHED LIGHTING CIRCUIT IN CLASSROOM
 - 30AS, 15AF, 3P, WP, 600V
 - CONNECT TO REMOVED VENTILATOR CIRCUIT



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CAMPUS HVAC SYSTEM UPGRADE

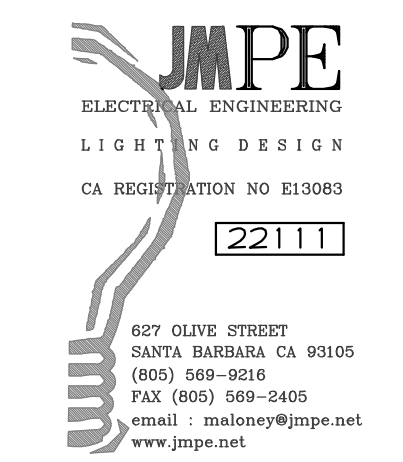
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Bakersfield City School District

ARCHITECT



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ARCHITECT C-19670

CONSULTANT



PROJECT INFO

Project No	566-0018
Date	09.08.23
DSA File No	15-6
DSA No	03-122640

REVISIONS

No	Date	Item
00.00.08		DESCRIPTION

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ELECTRICAL ROOF PLAN

E-505