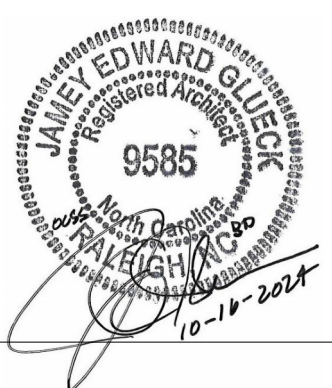
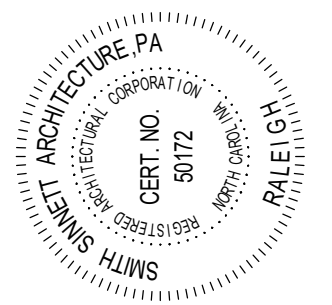


Onslow County Senior Services Center Renovation

4024 Richlands Hwy, Jacksonville, NC 28540



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Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID DATE DESCRIPTION

DESIGN PROFESSIONALS

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RALEIGH, NC 27603
POC: BRIAN ROSS, PE
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VICINITY MAP



RENDERING



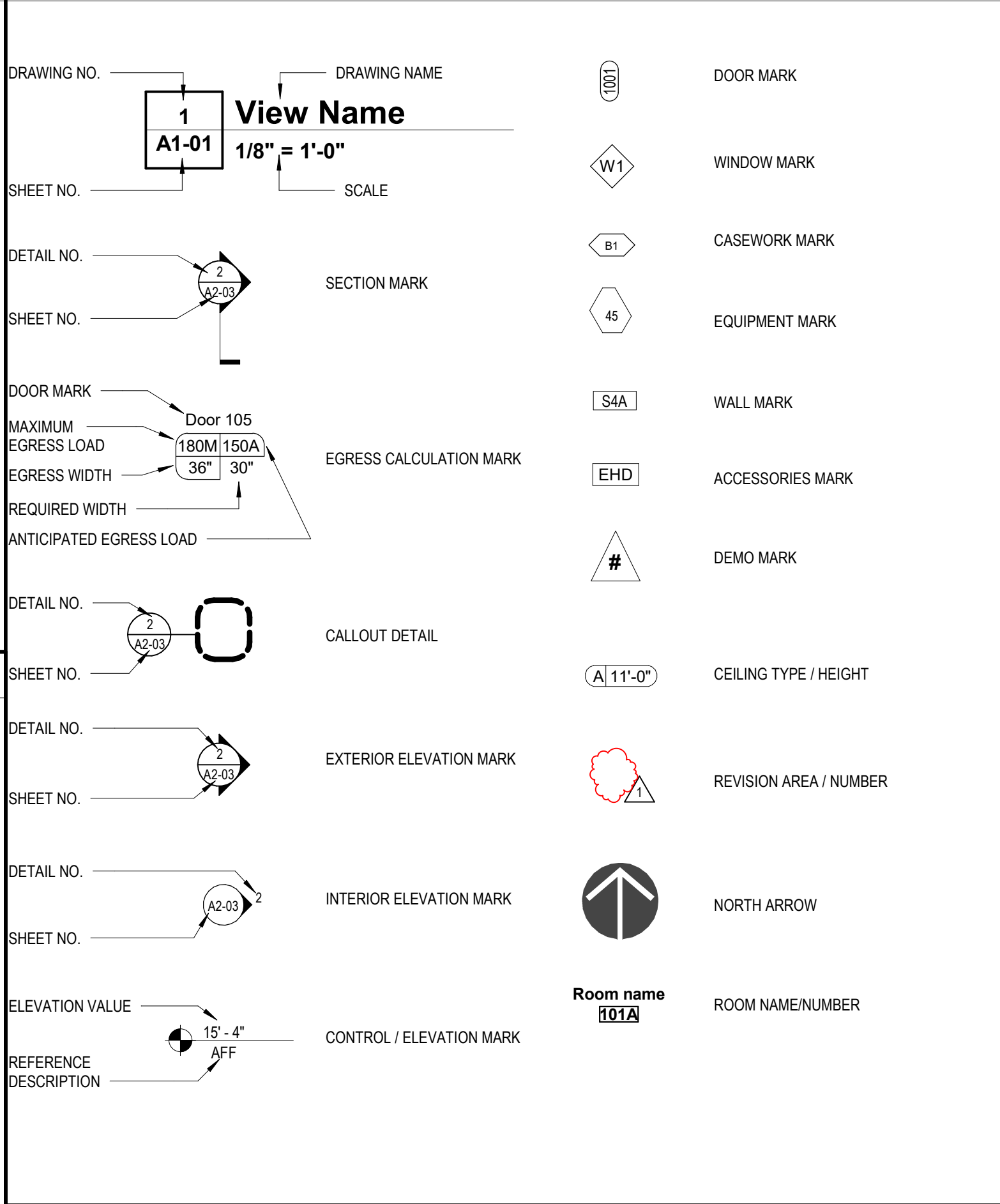
BID ALTERNATES

ALTERNATE 1: LIFT STATION REPLACEMENT
ALTERNATE 2: GENERATOR AND GENERATOR INFRASTRUCTURE
ALTERNATE 3: MAIN ENTRANCE CANOPY
ALTERNATE 4: ADULT DAY CARE CANOPY
ALTERNATE 5: WEST ENTRANCE CANOPY
ALTERNATE 6a: UPGRADED FLOOR FINISH
ALTERNATE 6b: UPGRADED WALL FINISH
ALTERNATE 6c: UPGRADED CEILING FINISH
ALTERNATE 7a: OWNER PREFERRED MANUFACTURER DOOR HARDWARE: CYLINDER, LOCKS, AND LATCHES; MANUFACTURER - BEST LOCKS
DOOR HARDWARE: EXIT DEVICES: MANUFACTURER - PRECISION
DOOR HARDWARE: CLOSERS: MANUFACTURER - STANLEY
ALTERNATE 7b: OWNER PREFERRED MANUFACTURER: FIRE ALARM - EDWARD IO SERIES

INDEX OF DRAWINGS

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G0-02 BUILDING CODE SUMMARY	F0-12 DEMOLITION PLAN	P0-12 DEMOLITION PLAN A	C1-02 EXISTING CONDITIONS AND DEMOLITION PLAN	M0-11 DEMOLITION PLAN - AREA A	E0-02 DETAILS
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G1-03 OVERALL SITE PLAN - PHASING, ALTERNATES AND WORK AREA		P2-01 WASTE AND VENT PLAN - AREA A	C3-02 SPOT GRADE PLAN	M1-02 DUCTWORK PLAN - AREA B	E0-05 POWER RISER
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					E4-01 FIRE ALARM & SECURITY PLAN - AREA A
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					E5-03 PANEL SCHEDULES
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SYMBOL LEGEND



ABBREVIATIONS

AT	AT	EPT	HIGH PERFORMANCE EPOXY PAINT	OF01	OWNER FURNISHED, OWNER INSTALLED	SDT	STATIC DISSIPATIVE TILE
AB	AREA DRAIN	EQ	EQUAL EXISTING	OF02	OWNER FURNISHED, CONTRACTOR INSTALLED	SF	SQUARE FOOT
ACC	ACCENT COLOR	EST	EXISTING	OP	OPPOSITE	SM	SIMILAR SOLID SURFACE
ACOT	ACOUSTICAL CEILING TILE	EXT	EXTERIOR	EXP	EXPOSED CEILING	SP	SPACES
ACOUS	ACOUSTIC	EW	ELECTRIC WATER COOLER	FC	FIRECODE	SQ	SQUARE
ACW	ACOUSTICAL WALL PANELS	EW	ELECTRIC WATER COOLER	FED	FLOOR DRAIN	SS	STAINLESS STEEL
AE	APPROVED EQUAL	FL	FLOURESCENT	FE	FIRE EXTINGUISHER BRACKET	SSC	STAINED SEALED CONCRETE
AFF	ABOVE FINISH FLOOR	FLU	FLOURESCENT	FEC	FIRE EXTINGUISHER CABINET	SRT	SLIP RESISTANT TILE
AFI	ATHLETIC FLOORING	FR	FIRE RATED	FF	FINISH FLOOR	ST	STEEL
AHJ	AIR HANDLING UNIT	FR	FIRE RATED	FF	FINISH FLOOR	STO	STORAGE
ALB	ALUMINUM BASE	FR	FIRE RATED	FF	FINISH FLOOR	STR	STAR TREADS AND RISERS
ALT	ALUMINUM TILE	FR	FIRE RATED	FF	FINISH FLOOR	STD	STANDARD
ALUM	ALUMINUM	FR	FIRE RATED	FF	FINISH FLOOR	SUSP	SUSPENDED
ANOD	ANODIZED	FR	FIRE RATED	FF	FINISH FLOOR	TC	TERRA COTTA
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	FR	FIRE RATED	FF	FINISH FLOOR	T&G	TONGUE AND GROOVE
ATTEN	ATTENUATION	FR	FIRE RATED	FF	FINISH FLOOR	TCA	TILE COUNCIL OF AMERICA
AWP	ACRYLIC WALL PANELS	FR	FIRE RATED	FF	FINISH FLOOR	TELE	TELEPHONE
BFB	BIOBASED TILE	FR	FIRE RATED	FF	FINISH FLOOR	TEMP	TEMPERED
BF	FLOOR FILL	FR	FIRE RATED	FF	FINISH FLOOR	TEXTD	TEXTURED
BFC	BROOMED FINISHED CONCRETE	FR	FIRE RATED	FF	FINISH FLOOR	TFT	TERRAZZO FLOOR
BLDG	BUILDING	FR	FIRE RATED	FF	FINISH FLOOR	TLT	TILE
BLKG	BLOCKING	FR	FIRE RATED	FF	FINISH FLOOR	T.O.	TOP OF
B.O.	BOTTOM OF	FR	FIRE RATED	FF	FINISH FLOOR	TOC	TOP OF CURB
BFS	BULLET PROOF GLASS	FR	FIRE RATED	FF	FINISH FLOOR	TOS	TOP OF STEEL
BN	BULL NOSE	FR	FIRE RATED	FF	FINISH FLOOR	TP	TELEPHONE POLE
CEM	CEMENTIOUS SIDING	FR	FIRE RATED	FF	FINISH FLOOR	TVB	TELEVISION MOUNTING BRACKET
CF	CORN FLOORING	FR	FIRE RATED	FF	FINISH FLOOR	TYP	TYPICAL
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	FR	FIRE RATED	FF	FINISH FLOOR	UL	UNDERWRITERS LABORATORY
CFI	CERAMIC FLOOR TILE	FR	FIRE RATED	FF	FINISH FLOOR	UL	UNDERWRITERS LABORATORY
CG	CURVED CEILING GRID	FR	FIRE RATED	FF	FINISH FLOOR	UN	UNLESS OTHERWISE NOTED
CI	CAST IRON	FR	FIRE RATED	FF	FINISH FLOOR	USB	UNHEATED STORAGE BUILDING
CI	CURB INLET	FR	FIRE RATED	FF	FINISH FLOOR	UTB	UNIT TRAINING BAY
CLG	CEILING	FR	FIRE RATED	FF	FINISH FLOOR	VACT	VINYL ACQUASTICAL
CLT	CENTERLINE	FR	FIRE RATED	FF	FINISH FLOOR	VJ	VINYL WALL COVERING
CMU	CONCRETE MASONRY UNIT	FR	FIRE RATED	FF	FINISH FLOOR	VQ	VERTICAL
COL	COLUMN	FR	FIRE RATED	FF	FINISH FLOOR	VIF	VERIFY IN FIELD
CONC	CONCRETE	FR	FIRE RATED	FF	FINISH FLOOR	VWC	VINYL WALL COVERING
CONSTR	CONSTRUCTION	FR	FIRE RATED	FF	FINISH FLOOR	R	RADIUS
CONTR	CONTRACTOR	FR	FIRE RATED	FF	FINISH FLOOR	R&S	ROD AND SHELF
CORR	CORRUGATED	FR	FIRE RATED	FF	FINISH FLOOR	RB	RUBBER BASE
CPT	CARPET	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
CPTT	CARPET TILE	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
CTB	CERAMIC TILE BASE	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
CR	COLD ROLLED CHANNEL	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
CR	CORNER RUBBER FLOORING	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
CS	COUNTERSINK	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
CWT	CERAMIC WALL TILE	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
DET	DETAIL	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
DEPT	DRY GYD PAINT	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
DIA	DIAMETER	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
DISP	DISPENSER	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
DN	DOWN	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
DP	DEEP	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
DR	DOOR	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
DS	DOWNSPOUT	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
EW	EACH WAY	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
EDG	EDGE BANDING	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
EES	EMERGENCY EYE WASH AND SHOWER	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
EFC	EXTERIOR FLOOR COATING	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
EFS	EXTERIOR INSULATION FINISH SYSTEM	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
ELEV	ELEVATION	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
ELEC	ELECTRICAL	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
EJ	EXPANSION JOINT	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE
EN	ENAMEL	FR	FIRE RATED	FF	FINISH FLOOR	RC	RUBBER TILE

PROJECT DESCRIPTION

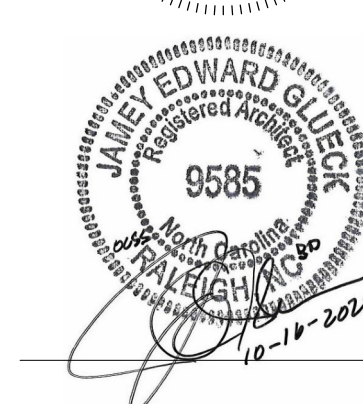
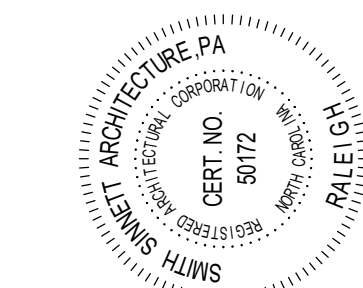
A. The project consists of the partial demolition and renovation of the existing Onslow County Senior Services building, approximately 38,325 square feet. The scope includes new building envelope (exterior wall and roof), partial new roof deck, load bearing walls, roof framing, structural modifications, interior walls, ceilings, finishes, new plumbing, mechanical, electrical, communications, fire alarm, fire protection systems. Site work includes new paving, landscape, stormwater, sanitary, fire protection, natural gas, communications services. The project includes all other work as shown, indicated or reasonably implied on the drawings and/or specifications for a complete, first-class job. Refer to Section 007300 Supplementary General Conditions for the number of completion days.

SHEET NUMBERING LEGEND

SECTION	DISCIPLINE	PAGE NUMBER
01	DEMOLITION / GENERAL PLANS	G
02	EXTERIOR ELEVATIONS	C
03	BUILDING / WALL SECTIONS	L
04	ENLARGED PLANS, CASEWORK, INTERIOR ELEVATIONS & RELATED DETAILS	S
05	DETAILS	A
06	WINDOW & DOOR SCHEDULES	E
07	FINISH PLAN & SCHEDULES	M
08	VERTICAL CIRCULATION	P
09	BID ALTERNATES	X

A1-01

DRAWN BY: FA NB
CHECKED BY: JG</



The design of this building is the responsibility of the professional engineer shown on this drawing. The engineer's seal and signature are required for the design to be valid. The engineer's seal and signature are required for the design to be valid. The engineer's seal and signature are required for the design to be valid.

THIS DOCUMENT IS CONTROLLED TO BE PRINTED ON A 32 X 42 SHEET

ONSLOW COUNTY SENIOR SERVICES CENTER RENOVATION

4024 RICHLANDS HWY, JACKSONVILLE, NC 28540

ONSLOW COUNTY GOVERNMENT

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2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: ONSLOW COUNTY SENIOR SERVICES
Address: 4024 RICHLANDS HIGHWAY, JACKSONVILLE, NC
Owner/Authorized Agent: BENJAMIN WARREN Phone # (919) 989-3025 E-Mail benjamin_warren@onslowcounty.gov
Owned By: ONSLOW COUNTY City/County ONSLOW Private State
Code Enforcement Jurisdiction: City JACKSONVILLE County ONSLOW State

CONTACT: SCOTT MCCONNELL, SMITH SINNETT ARCHITECTURE
DESIGNER FIRM NAME LICENSE# TELEPHONE# E-MAIL
Architectural SMITH SINNETT AIA JAMEY GLEICK NC 9585 (919) 781-8582 jgleick@smithsinnett.com
Civil TRIMONS GROUP FRANK SLINSKY NC03812 (919) 866-4505 frank.slinsky@trimons.com
Electrical PROGRESSIVE DESIGN COLL. JAMES BUTKOVICH NC02401 (919) 790-9989 jbutcovich@pdengr.com
Fire Alarm PROGRESSIVE DESIGN COLL. STEVE CAMPBELL NC2500 (919) 790-9989 scampbell@pdengr.com
Plumbing PROGRESSIVE DESIGN COLL. STEVE CAMPBELL NC2500 (919) 790-9989 scampbell@pdengr.com
Mechanical PROGRESSIVE DESIGN COLL. STEVE CAMPBELL NC2500 (919) 790-9989 scampbell@pdengr.com
Sprinkler-Standpipe PROGRESSIVE DESIGN COLL. STEVE CAMPBELL NC2500 (919) 790-9989 scampbell@pdengr.com
Structural ROSS LINDEN ENGINEERS PC BRIAN ROSS NC2539 (919) 852-5660 brian@rosslinden.com
Retaining Walls >5' High NA

Other
Other should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: New Building Addition Renovation
 1st Time Interior Completions Shell/Core* Phased Construction*

*Contact the local inspection jurisdiction for possibillitinal procedures and requirements.

2018 NC EXISTING BUILDING CODE: Prescriptive Alteration Level I Historic Property
 Repair Alteration Level II Change of Use
 Chapter 14 Alteration Level III

CONSTRUCTED: (date) UNKNOWN CURRENT OCCUPANCY(S) (Ch.3): A3, L4, B, S-1

RENOVATED: (date) 2015 PROPOSED OCCUPANCY(S) (Ch.3): A3, L4, B, S-1

RISK CATEGORY (Table 1604.5): Current: II Proposed: II

BASIC BUILDING DATA

Construction Type: I-A I-B II-A II-B III-A III-B IV V-A V-B
Sprinklers: No Partial NFPA 13 NFPA 13R NFPA 13D
Standpipes: No Class I II III Wet Dry
Primary Fire District: No Yes Hood Hazard Area: No Yes
Special Inspections Required: Yes No If special inspections are required, contact the local inspection jurisdiction for additional procedures and requirements.

*Business (B) Occupancy reduced from 28,311 SF (Existing) to 25,542 SF (New) resulting in a 2.98% change in occupancy. *28,311 SF accounting for 257 SF of roof overhang on west building elevation. Existing 257 SF of roof overhang to be demolished in Alteration. Assembly (A-3) increased from 4,481 SF (Existing) to 8,283 SF (New) resulting in a 8.93% change in occupancy. Storage (S-1) reduced from 2,990 SF (Existing) to 2,885 SF (New) resulting in a 0.23% change in occupancy. Institutional (I-4) reduced from 2,754 SF (Existing) to 1,705 SF (New) resulting in a 2.70% change in occupancy. Refer to G1-02 for Existing and New occupancy diagrams. NO CHANGE in building height or number of stories.

2018 NC Administrative Code and Policies

FLOOR	EXISTING (SQ FT)	RENOVATION	NEW(SQ FT)	SUB-TOTAL
1 st Floor	38,536 SF	38,325 SF	0 SF	-211 SF*
TOTAL	38,536 SF	38,325 SF	0 SF	-211 SF*

*The overhang on west elevation to be demolished resulting in a loss of 211 SF

ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly A-1 A-2 A-3 A-4 A-5
Business
Educational
Factory F-1 Moderate F-2 Low
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
Institutional I-1 I-2 I-1 & I-2 Condition I-3 I-4 I-3 Condition I-1 I-2 I-3 I-4 I-5
Mercantile
Residential R-1 R-2 R-3 R-4
Storage S-1 Moderate S-2 Low High-piled
Utility and Miscellaneous Open Enclosed Repair Garage

Accessory Occupancy Classification(s): --
Incidental Uses (Table 509): --
Special Uses (Chapter 4 - List Code Sections): Licensed Adult Day Care, Section 429
Special Provisions: (Chapter 5 - List Code Sections): --

Mixed Occupancy: No Yes Separation: 0 Hr. Exception: 508.3 Non-Separated occupancies
 Non-Separated Use (508.3)
 Separated Use (508.4) See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

Actual Area of Occupancy A + Actual Area of Occupancy B ≤ 1.0
Allowable Area of Occupancy A + Allowable Area of Occupancy B ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2.4 AREA INCREASE ^{1,5}	(C) AREA FOR FRONTAGE INCREASE ^{1,5}	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{2,3}
1	ASSEMBLY BUSINESS	38,325 SF	38,000 SF	7,125 SF	45,125 SF

1 Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 796' (F)
b. Total Building Perimeter = 796' (P)
c. Ratio (F/P) = 1 (F/P)
d. W = Minimum width of public way = 30' (W)
e. Percent of frontage increase $\beta = 100(F/P - 0.25) \times W/30 = 75\%$ (β)

2 Unlimited area applicable under conditions of Section 5.07.
3 Maximum Building Area = total number of stories in the building x E (maximum 3 stories (506.2)).
4 The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
5 Frontage increase is based on the unspinklered area value in Table 506.2.

2018 NC Administrative Code and Policies

Aa = At + (NS)/V
At Tabular Allowable Area Factor = 38,000 SF
Table 508.2 NS (Non Spinkler Area) = 9000 SF
Table 506.2 If (Increase Frontage) = 75
Aa (Allowable Area) = 45,125 SF
If = (F/P - 25)/W/30
P (Perimeter) with 30' = 796'
W (Width) = 30'
If = 75 or 75% Increase of 506.2 Non Spinklered Area = 75 x 9,500 SF = 7,125 SF

ALLOWABLE HEIGHT

ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	60	12" T504.3
Building Height in Stories (Table 504.4)	2	1" T504.3

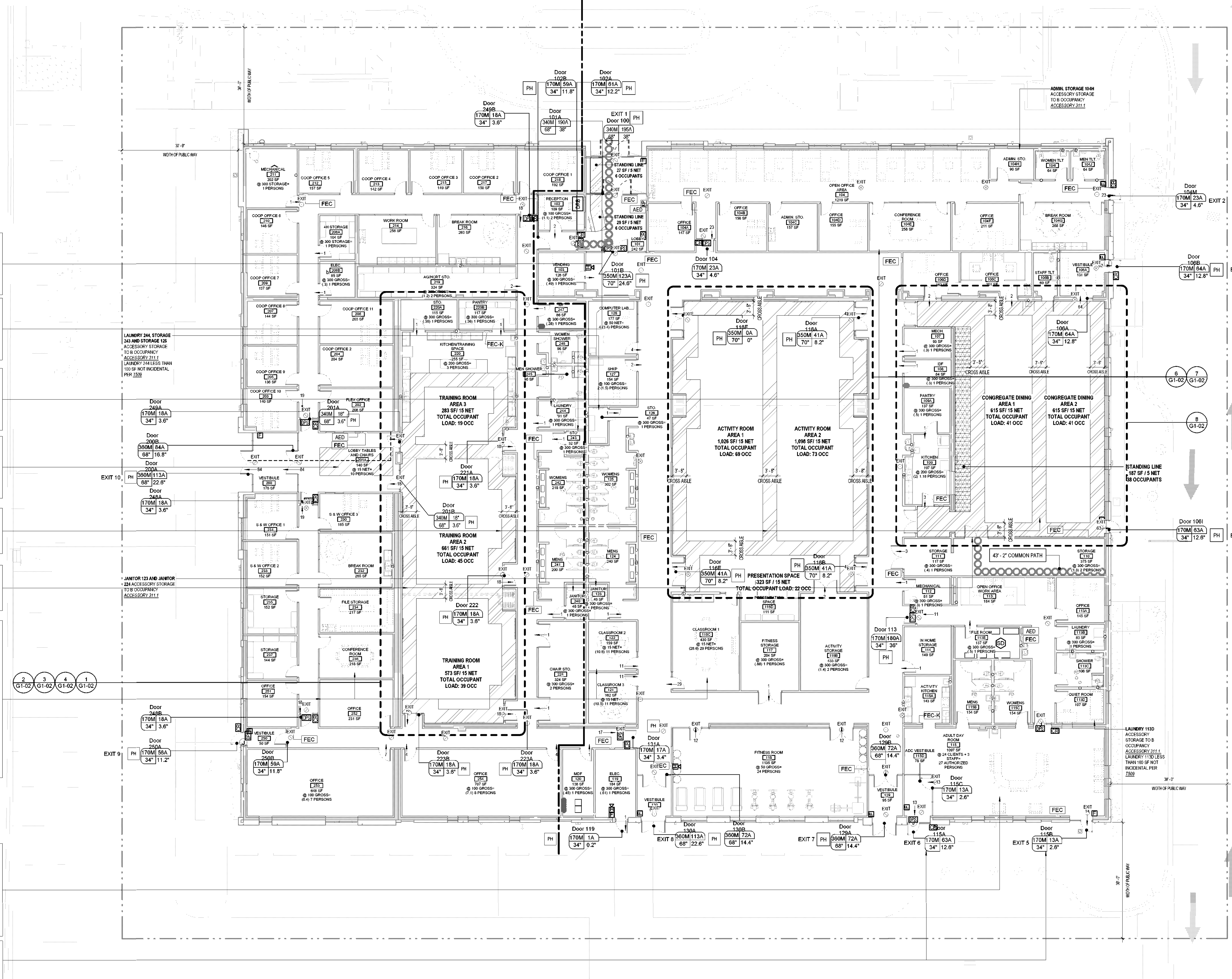
*Existing Building. No change in building height or stories.

FIRE PROTECTION REQUIREMENTS

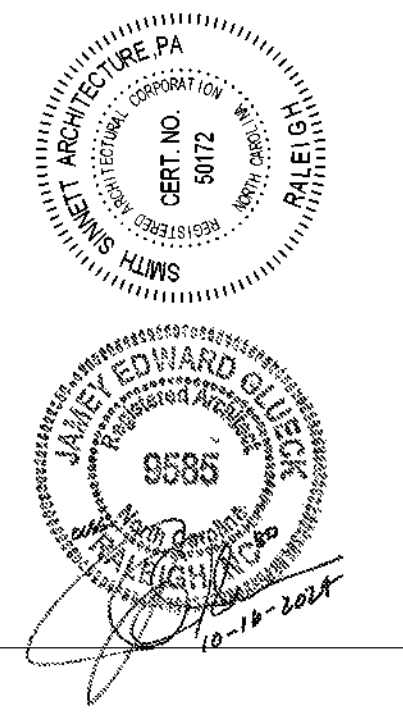
BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/REDUCTION)	DETAIL # AND SHEET #	DESIGN FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
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LIFE SAFETY LEGEND	
	LOCATION OF FIRE EXTINGUISHER ON A BRACKET
	LOCATION OF FIRE EXTINGUISHER IN A CABINET
	LOCATION OF AUTOMATED DEFIBRILLATOR CABINET
	PANIC HARDWARE
	ELECTROMAGNETIC DOOR HOLD OPEN TIED TO FIRE ALARM
	MATCH LINE
	ASSUMED IMAGINARY LINE
	COMMON PATH OF EGRESS TRAVEL (PER NCBC 1006.2.1)
	EXIT ACCESS TRAVEL DISTANCE (200' MAX. PER NCBC 1017)
	ACTUAL ROOM AREA
	4500 SF @ 100 GROSS = 45 PERSONS OCCUPANCY FACTOR PER CODE
	TOTAL OCCUPANTS PER ROOM PER CODE
	DOOR MARK
	ANTICIPATED EGRESS LOAD
	CALCULATED EGRESS WIDTH (MINIMUM PER 1010.1.1 = 32")
	ACTUAL WIDTH
	MAXIMUM EGRESS LOAD

- 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY
VESTIBULE 100
MAXIMUM OCCUPANT LOAD: 49 OCCUPANTS
ACTUAL OCCUPANT LOAD: 6 OCCUPANTS
MAXIMUM COMMON PATH OF EGRESS TRAVEL WITH SPRAWLER: 75' 4"
ACTUAL COMMON PATH OF EGRESS TRAVEL: 44'-5"
- 1006.2.2 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY
LOBBY 101
MAXIMUM OCCUPANT LOAD: 49 OCCUPANTS
ACTUAL OCCUPANT LOAD: 6 OCCUPANTS
MAXIMUM COMMON PATH OF EGRESS TRAVEL WITH SPRAWLER: 75' 4"
ACTUAL COMMON PATH OF EGRESS TRAVEL: 44'-5"
- 1004.1.1 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT
CONFERENCE ROOM 106
ASSEMBLY OCCUPANT LOAD CALCULATED AT 15 NET
287 SF / 15 NET = 17 PERSONS
OVERALL OCCUPANT LOAD CALCULATED AT 100 GROSS
287 SF / 100 GROSS = 3 PERSONS
REFER TO NOTE 1 ON PLUMBING FIXTURES - REQUIRED LEGEND
- 1006.2.2 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY
MAXIMUM OCCUPANT LOAD: 49 OCCUPANTS
ACTUAL OCCUPANT LOAD: 10 OCCUPANTS
MAXIMUM COMMON PATH OF EGRESS TRAVEL WITH SPRAWLER: 75' 4"
ACTUAL COMMON PATH OF EGRESS TRAVEL: 44'-3"
- 1029.1.1 MINIMUM AISLE WIDTH
4. FORTY-TWO INCHES FOR LEVEL OR RAMPED AISLES HAVING SEATING ON BOTH SIDES
REQUIRED AISLE WIDTH: 42"
ACTUAL AISLE WIDTH: 44"
- 1029.1.2 MINIMUM AISLE WIDTH
5. THIRTY-SIX INCHES FOR LEVEL OR RAMPED AISLES HAVING SEATING ON ONLY ONE SIDE
REQUIRED AISLE WIDTH: 36"
ACTUAL AISLE WIDTH: 44"
- 1004.1.2 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT
CONFERENCE 236
ASSEMBLY OCCUPANT LOAD CALCULATED AT 15 NET
216 SF / 15 NET = 15 PERSONS
OVERALL OCCUPANT LOAD CALCULATED AT 100 GROSS
216 SF / 100 GROSS = 3 PERSONS
CLASSROOM 1 116C
ASSEMBLY OCCUPANT LOAD CALCULATED AT 15 NET
430 SF / 15 NET = 29 PERSONS
OVERALL OCCUPANT LOAD CALCULATED AT 100 GROSS
430 SF / 100 GROSS = 5 PERSONS
CLASSROOM 2 122
ASSEMBLY OCCUPANT LOAD CALCULATED AT 15 NET
159 SF / 15 NET = 11 PERSONS
OVERALL OCCUPANT LOAD CALCULATED AT 100 GROSS
159 SF / 100 GROSS = 2 PERSONS
CLASSROOM 3 121
ASSEMBLY OCCUPANT LOAD CALCULATED AT 15 NET
159 SF / 15 NET = 11 PERSONS
OVERALL OCCUPANT LOAD CALCULATED AT 100 GROSS
159 SF / 100 GROSS = 2 PERSONS
REFER TO NOTE 1 ON PLUMBING FIXTURES - REQUIRED LEGEND
- 429.1.3 WALLS AND CEILINGS
ALL WALLS AND CEILINGS IN ROOMS THAT ARE USED FOR DAY CARE PURPOSES AND ARE PART OF THE EXITING PATH SHALL HAVE INTERIOR MEMBRANES OF NONCOMBUSTIBLE CONSTRUCTION SUCH AS, BUT NOT LIMITED TO, PLASTER OR GYPSUM WALLBOARD OR SHALL COMPLY WITH SECTION 803
REQUIRED INTERIOR WALL FINISH: CLASS B
ACTUAL INTERIOR WALL FINISH: CLASS A
REQUIRED CEILING FINISH: CLASS B
ACTUAL CEILING FINISH: CLASS A
- 429.1.3 LOCATION
ROOMS WHERE OCCUPANTS RECEIVE CARE IN GROUP 1-4 AND R-3 ADULT AND CHILD DAY CARE FACILITIES SHALL BE ON THE LEVEL OF EXIT DISCHARGE



1 LIFE SAFETY PLAN
3/32" = 1'-0"



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Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION

DRAWN BY: FA
CHECKED BY: JEG
LIFE SAFETY PLAN

PHASING SCHEDULE

CONTRACTORS NOTE: THIS PROPERTY AND BUILDINGS (FARMERS MARKET, PLANT CLINIC, EMS STATION) ADJACENT TO THE SENIOR SERVICES BUILDING WILL REMAIN IN USE DURING CONSTRUCTION. THE WORK SHALL BE SEQUENCED TO MINIMIZE DOWNTIME THE UTILITIES OF THESE BUILDINGS. VEHICULAR ACCESS SHALL BE MAINTAINED TO THESE BUILDINGS. THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING A MINIMUM OF 72 HOURS BEFORE DISTURBING THE UTILITIES OF THESE BUILDINGS. THE CONTRACTORS CONSTRUCTION SCHEDULED SHALL BE DEVELOPED TO PRIORITIZE MAINTAINING AND REESTABLISHING UTILITIES TO THESE BUILDINGS. INTERUPTION TO UTILITIES SERVING FARMERS MARKET, PLANT CLINIC AND EMS STATION SHALL BE MINIMIZED.

REFER TO 007300 SUPPLEMENTARY GENERAL CONDITIONS.



BID DOCUMENTS

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THIS DOCUMENT IS UNLIMITED. IT IS TO BE PRINTED ON A 30" X 42" SHEET.

CONTRACTOR'S PRIMARY WORK AREA. WHEN WORKING OUTSIDE OF PRIMARY WORK AREA, CONTRACTOR MUST RECEIVE APPROVAL FROM THE OWNER.

ALTERNATE 3:
MAIN ENTRANCE CANOPY
REFER TO A9-06

ALTERNATE 6a:
UPGRADED WALL FINISH
REFER TO A9-10

ALTERNATE 6b:
UPGRADED CEILING FINISH
REFER TO A9-10

ALTERNATE 6a:
UPGRADED FLOOR FINISH
REFER TO A9-09

RICHLANDS HIGHWAY 258

ALTERNATE 2:
GENERATOR AND INFRASTRUCTURE
REFER TO E0-06, E2-01

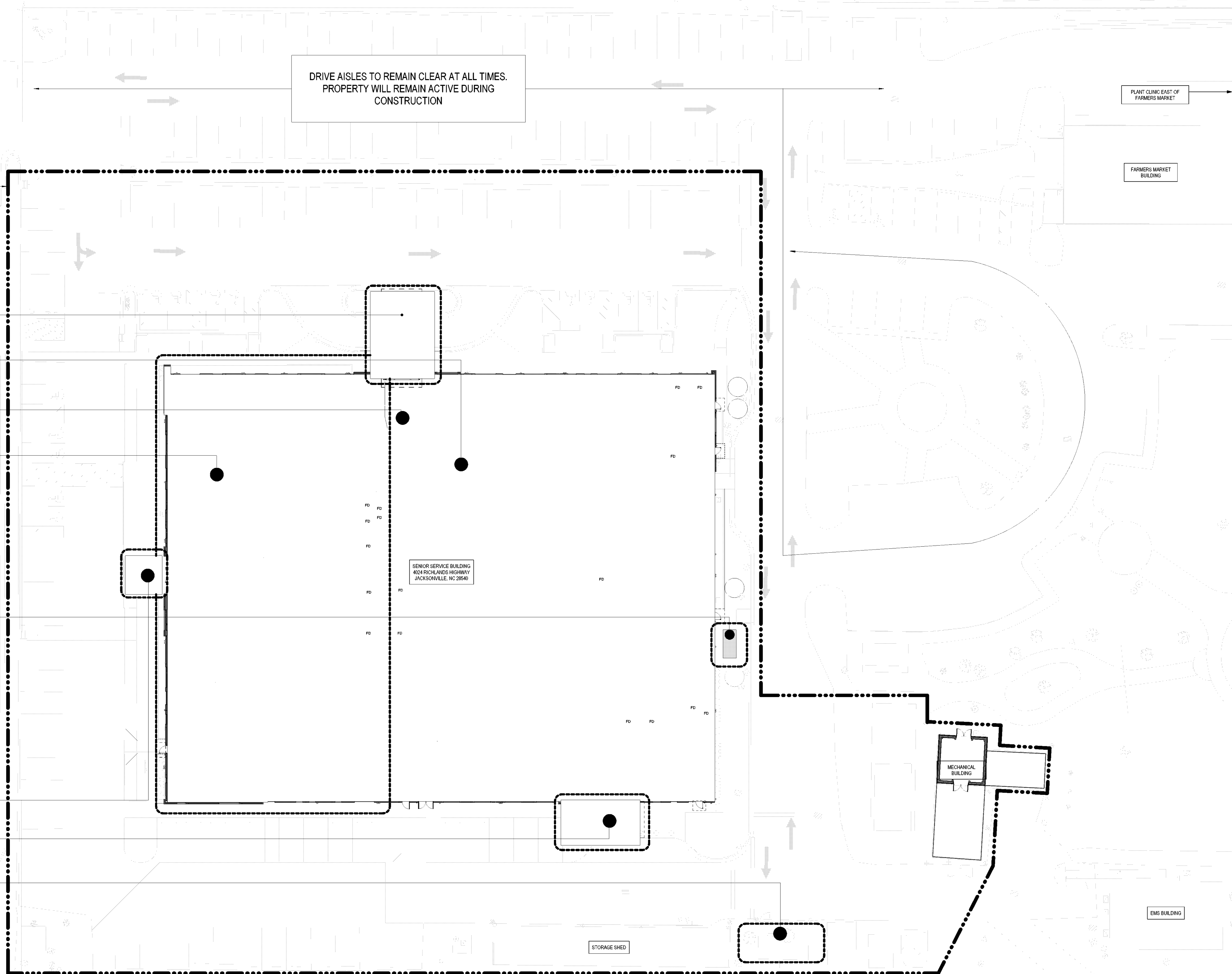
ALTERNATE 7a:
OWNER PREFERRED MANUFACTURERS
1. DOOR HARDWARE: CYLINDER, LOCKS, AND LATCHES: MANUFACTURER - BEST LOCKS
2. DOOR HARDWARE: EXIT DEVICES: MANUFACTURER - PRECISION
3. DOOR HARDWARE: CLOSERS: MANUFACTURER - STANLEY

ALTERNATE 7b:
OWNER PREFERRED MANUFACTURER(S):
1. FIRE ALARM - EDWARD 10 SERIES

ALTERNATE 5:
WEST ENTRANCE CANOPY
REFER TO A9-08

ALTERNATE 4:
ADULT DAY CARE CANOPY
REFER TO A9-07

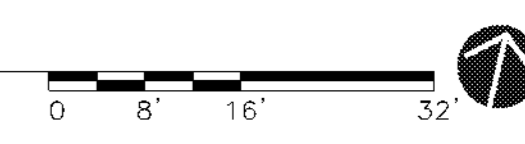
ALTERNATE 1:
LIFT STATION REPLACEMENT
REFER TO C3-01



ID	DATE	DESCRIPTION

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CHECKED BY: JEG

OVERALL SITE PLAN - PHASING, ALTERNATES AND WORK AREA
2021029 16 OCT. 2024



- ### GRADING GENERAL NOTES
- ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE STATE & LOCAL CODES, AND OSHA STANDARDS.
 - OBTAIN OWNERS WRITTEN APPROVAL FOR ANY REQUESTED SHORT-TERM, OFF-HOUR, OR TEMPORARY UTILITY SHUT-DOWNS OR DISRUPTIONS.
 - DISPOSE OFF-SITE WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS. IF THE SAME PERSON CONDUCTS THE LAND-DISTURBING ACTIVITY AND ANY RELATED BORROW OR WASTE ACTIVITY, THE RELATED BORROW OR WASTE ACTIVITY IS PART OF THE LAND-DISTURBING ACTIVITY. IF THE BORROW OR WASTE ACTIVITY ARE NOT CONDUCTED BY THE SAME PERSON, THEY SHALL BE CONSIDERED SEPARATE LAND-DISTURBING ACTIVITY AND MUST BE PERMITTED THROUGH THE SEDIMENT POLLUTION CONTROL ACT.
 - REPAIR OR REPLACE ANY ITEMS DAMAGED DUE TO CONSTRUCTION (ONSITE AND/OR OFFSITE) AT NO EXPENSE TO THE OWNER.
 - MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT IN ACCORDANCE WITH NCDQG LAND QUALITY REQUIREMENTS AND AS DIRECTED BY THE NCDQG AND THE CIVIL ENGINEER.
 - FLUSH ALL SEDIMENT OUT OF STORM DRAINAGE PIPES AND STRUCTURES FOLLOWING SITE STABILIZATION AND AT THE END OF CONSTRUCTION. FLUSH OUT PIPES AS NEEDED THROUGHOUT CONSTRUCTION TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.
 - IN DISTURBED AREAS, AMEND THE TOP 6 INCHES OF LAWN AREAS WITH 3 INCHES OF IMPORTED AND TESTED TOPSOIL THAT MEET THE SPECIFICATIONS. SUBMIT DOCUMENTATION ON THE PROPOSED TOPSOIL FOR REVIEW. EXISTING TOPSOIL MAY BE USED IF PROPERLY SCREENED AND AMENDED. REFER TO PLANTING SPECIFICATIONS.
 - REMOVE ALL STONES, VEGETATION, AND DEBRIS LARGER THAN 1.5" WITHIN TOP 5" OF FINISH GRADE SURFACE.
 - CONTACT OWNER AND CIVIL ENGINEER FOR AN INSPECTION OF FINISH GRADE AND SLOPES PRIOR TO PERMANENT SEEDING. OWNER / CIVIL ENGINEER MUST APPROVE FINISH GRADES PRIOR TO SEEDING.
 - ALL SIDEWALKS SHALL HAVE MAXIMUM CROSS SLOPE OF 2%.
 - ALL ADA RAMP SHALL HAVE 12:1 MAXIMUM SLOPE FOR MAXIMUM 6-FT LENGTH.
 - ALL ADA PARKING SPACES AND STRIPED AREAS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
 - INSTALL ALL STORM SEWERS TO PROVIDE REQUIRED CLEARANCES TO CROSSING UTILITIES AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS.
 - ALL PVC PIPING SHALL BE SCHEDULE 40 THICKNESS. USE DUCTILE IRON WHEN COVER IS LESS THAN 24-IN. ADD ADAPTERS AS NECESSARY TO CONNECT SMALLER TO LARGER PIPES.
 - USE DUCTILE IRON WHEN COVER IS LESS THAN 24-IN. ADD ADAPTERS AS NECESSARY TO CONNECT SMALLER TO LARGER PIPES.
 - INSTALL ADDITIONAL DRAINAGE SWALES IF DIRECTED BY THE CIVIL ENGINEER. LOCALIZED DEPRESSIONS AT DROP INLETS SHALL NOT EXCEED 10:1 SLOPE.
 - EXISTING MANHOLES, VALVE BOXES, VAULTS, CLEANOUTS, UTILITY POLES ETC. TO REMAIN WITHIN THE GRADING LIMITS SHALL BE ADJUSTED AS NEEDED TO FUNCTION PROPERLY WITH THE PROPOSED FINISHED GRADES (WHETHER OR NOT INDICATED TO BE MODIFIED).
 - THERE IS NO SAFETY FENCING IN THE CONTRACT. THE CONTRACTOR MAY CHOOSE TO INSTALL SAFETY FENCING AS DICTATED BY MEANS AND METHODS AND TO PROTECT EQUIPMENT, HOWEVER THERE WILL BE NO ADDITIONAL PAYMENT FOR SAFETY FENCING. REFER TO SHEET C4-02 FOR PERMANENT GRASS SEEDING SCHEDULE. ENSURE GRADES AND SITE ARE READY FOR PERMANENT SEEDING BY THE DATES SHOWN.

- ### UTILITY GENERAL NOTES
- COORDINATE AND SCHEDULE INSTALLATION OF ALL UTILITIES WITH UTILITY COMPANIES.
 - VERIFY EXISTING CONDITIONS AND CONNECTIONS TO EXISTING UTILITIES PRIOR TO CONSTRUCTION. NOTIFY DESIGN PROFESSIONAL IF ANY DISCREPANCIES ARE DISCOVERED.
 - METALLIC LINES SHALL BE IDENTIFIED WITH DURABLE PRINTED PLASTIC WARNING TAPES. MINIMUM 3 INCHES WIDE WITH LETTERING TO IDENTIFY BURIED LINE BELOW.
 - NON-METALLIC PIPES, OTHER THAN GAS LINES, SHALL BE IDENTIFIED BY DETECTABLE WARNING TAPE. MINIMUM 2 INCHES WIDE, WITH LETTERING TO IDENTIFY BURIED LINE BELOW.
 - FOR PLASTIC SEWER PIPING, AN INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO AND OVER THE FULL LENGTH OF THE PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE AT THE CLEANOUT BETWEEN THE BUILDING DRAIN AND BUILDING SEWER. THE TRACER WIRE SIZE SHALL BE NOT LESS THAN 14 AWG AND THE INSULATION TYPE SHALL BE LISTED FOR DIRECT BURIAL.
 - AN INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO UNDERGROUND NONMETALLIC PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE ABOVE GROUND AT THE END OF THE NONMETALLIC PIPING. THE TRACER WIRE SIZE SHALL NOT BE LESS THAN 18 AWG AND THE INSULATION TYPE SUITABLE FOR DIRECT BURIAL.
 - ALL SANITARY SEWER SERVICES SHALL BE 6" PVC (SCH 40) @ 0.04% MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 36-IN.
 - INSTALL SEWER MAINS WITH A COVER OF NO LESS THAN 36-IN TO FINISH GRADE IN NON-TRAFFIC AREAS. 48-IN TO FINISH GRADE IN TRAFFIC AREAS.
 - SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM VERTICAL CLEARANCE OF 18-IN TO STORM DRAINAGE PIPES. INSTALL ALL UTILITIES TO PROVIDE REQUIRED CLEARANCES AS INDICATED IN THE SPECIFICATIONS.
 - PROVIDE VERTICAL BENDS ON WATERLINES THAT CROSS UTILITIES, STORM SEWER, AND SANITARY SEWER IF NECESSARY TO MAINTAIN 18" MIN. VERTICAL SEPARATION.

KEY NOTES

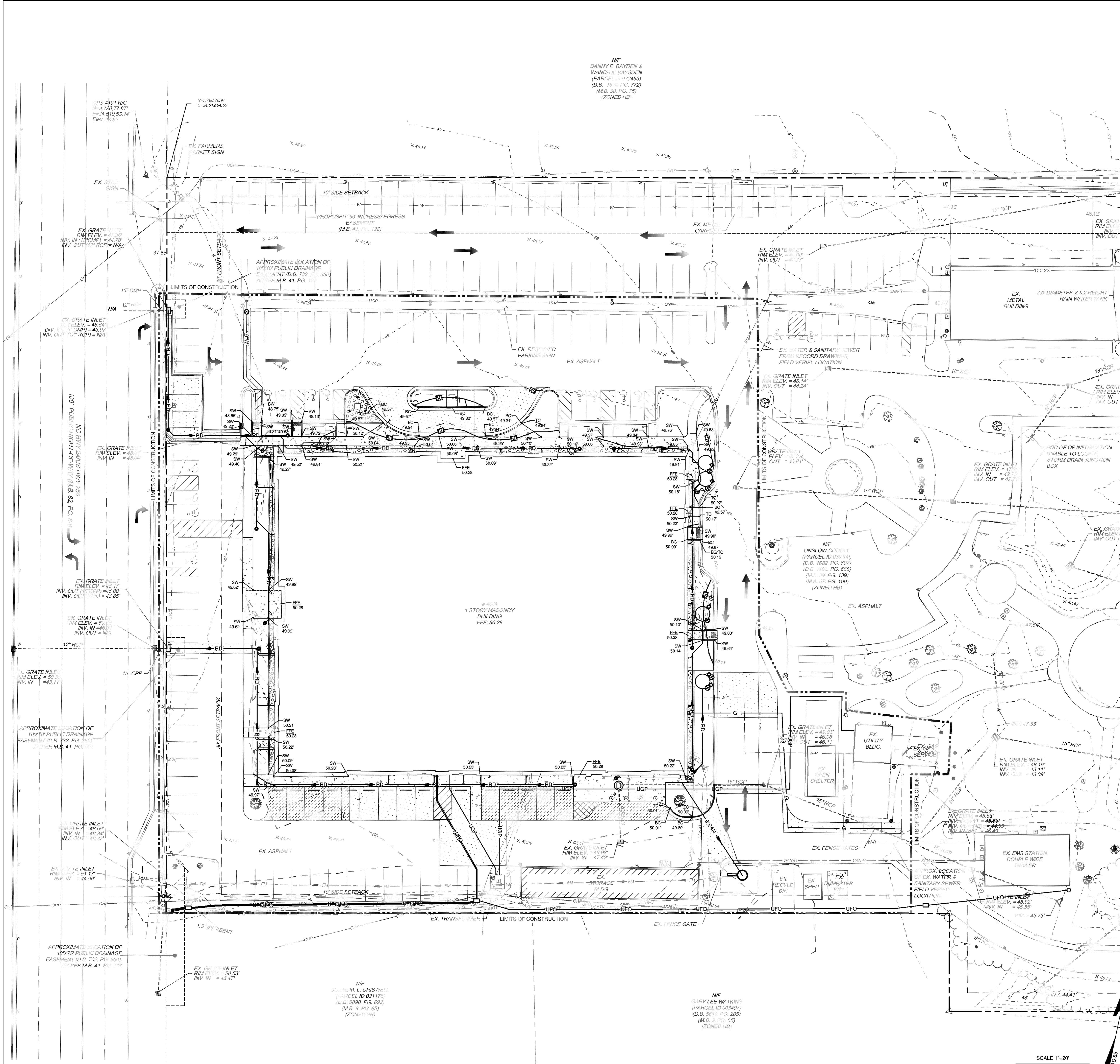
1	TRENCH BOTTOM AND BACKFILLING REQUIREMENTS
2	STANDARD CLEANOUT
3	DOWNSPOUT BOOT
4	3/4" FREEZE PROOF YARD HYDRANT
5	FIRE DEPARTMENT CONNECTION AND WATER MANHOLE
6	6" RPZ BACKFLOW PREVENTER & HOT BOX
7	HOT BOX FOR BACKFLOW PREVENTER
8	SANITARY SEWER PUMP STATION. REFER TO PLUMBING PLANS.
9	HAND DIG AROUND UNDERGROUND UTILITIES AND DO NOT DAMAGE EXISTING UTILITIES
10	ALT. 2. INSTALL GENERATOR (REFER TO ELECTRICAL PLANS)
11	INSTALL 6" SCH 40 PVC VERTICALLY OUT OF THE BOTTOM OF EXISTING INLET
12	INSTALL 45° BENDS AS NECESSARY TO CONNECT TO ADJACENT STORM PIPE. REINSTALL AND RECONNECT STOCKPILED CISTERNS, SPIGOTS, IRRIGATION PUMP STATIONS, ETC. AND RESTORE TO PREVIOUS FUNCTIONALITY

ABBREVIATIONS

TC	= TOP OF CURB ELEVATION
BC	= BOTTOM OF CURB ELEVATION
EP	= EDGE OF PAVEMENT ELEVATION
FG	= FINISH GROUND ELEVATION
FENCE	= FG ELEVATION AT FENCE
EG	= EXISTING GROUND ELEVATION
RCP	= REINFORCED CONCRETE PIPE
DIP	= DUCTILE IRON PIPE
PVC	= POLYVINYL CHLORIDE PIPE
SCH	= SCHEDULE
HP	= HIGH POINT ELEVATION
LP	= LOW POINT ELEVATION
SW	= SIDEWALK ELEVATION
FL	= FLOW LINE
TH	= TOP OF HOOD
TG	= TOP OF GRADE
TL	= TOP OF LID
F	PROVIDE PVC DOWNSPOUT CONNECTION UP TO GUTTER. MATCH EXISTING CONDITION.
G	HANDHOLES AND 4" CONDUIT FOR COMMUNICATIONS AND POWER. REFER TO ELECTRICAL PLANS.
H	INSTALL NEW SANITARY SEWER PIPE, MATCH EXISTING
I	LIGHT FIXTURES. REFER TO ELECTRICAL DRAWINGS FOR LOCATION, TYPE & CONNECTION

LEGEND

FENCE	EXISTING	PROPOSED
GAS LINE	G	G
POWER LINE	UGP	UGP
TELEPHONE LINE	UGT	UGT
WATER LINE	W	W
SANITARY SEWER LINE	SM	SAN
CABLE TV LINE	UCATV	UCATV
FIBER OPTIC LINE	UFCO	UFCO
STORM PIPE	RD	RD
ROOF DRAIN PIPE	RD	RD
CONSTRUCTION LIMITS		
LIGHT POLE		
SITE BOLLARD		
UTILITY POLE	LP	LP
SANITARY SEWER MANHOLE	SM	SM
STORM SEWER MANHOLE	PP	PP
CLEANOUT (SANITARY OR STORM)	MH	MH
DROP INLET	MH	MH
FIRE HYDRANT	CO	CO
WATER VALVE	DI	DI
UTILITY VAULT	FH	FH
DRAINAGE STRUCTURE ID:	WV	(A1) WV



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Onslow County Senior Service Center
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION

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CHECKED BY: FS

SPOT GRADE PLAN

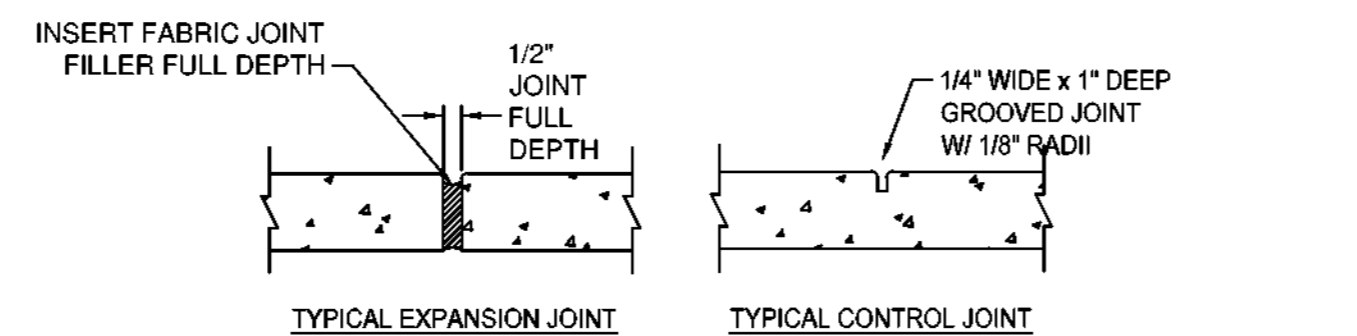
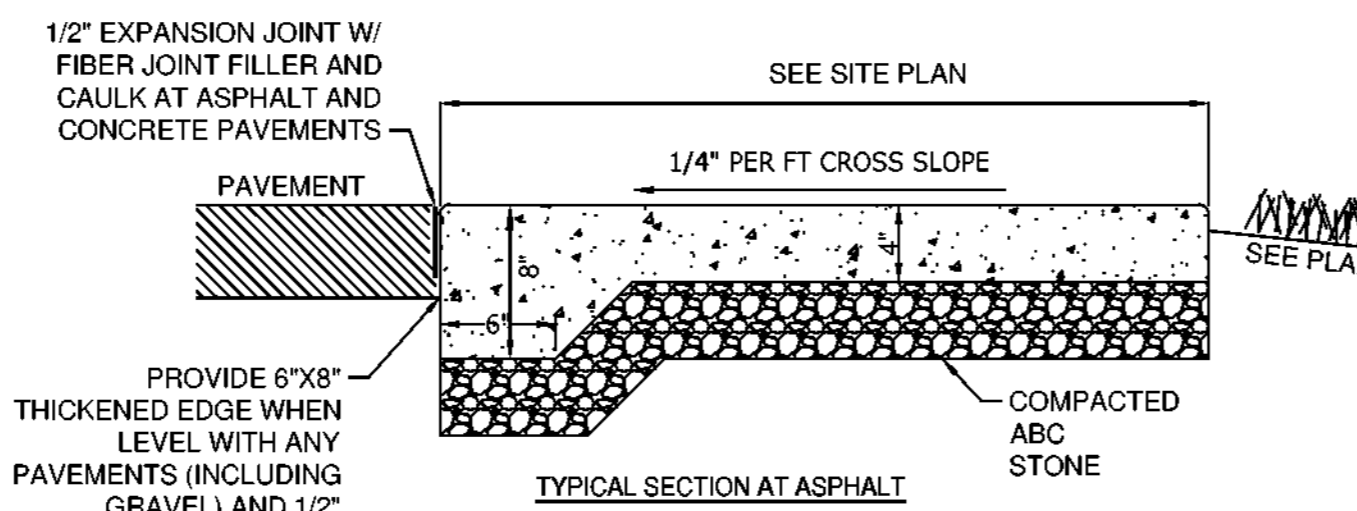
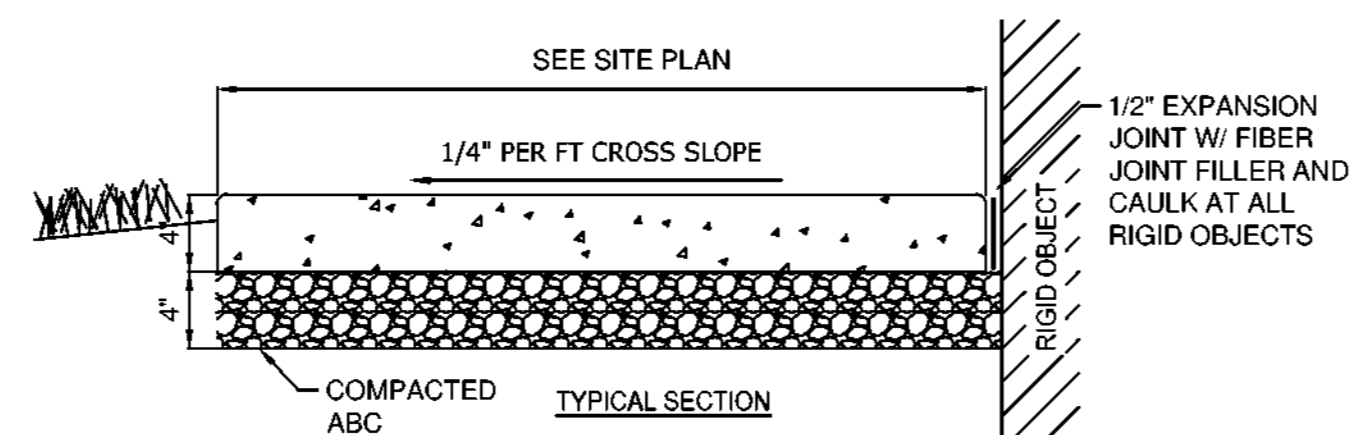
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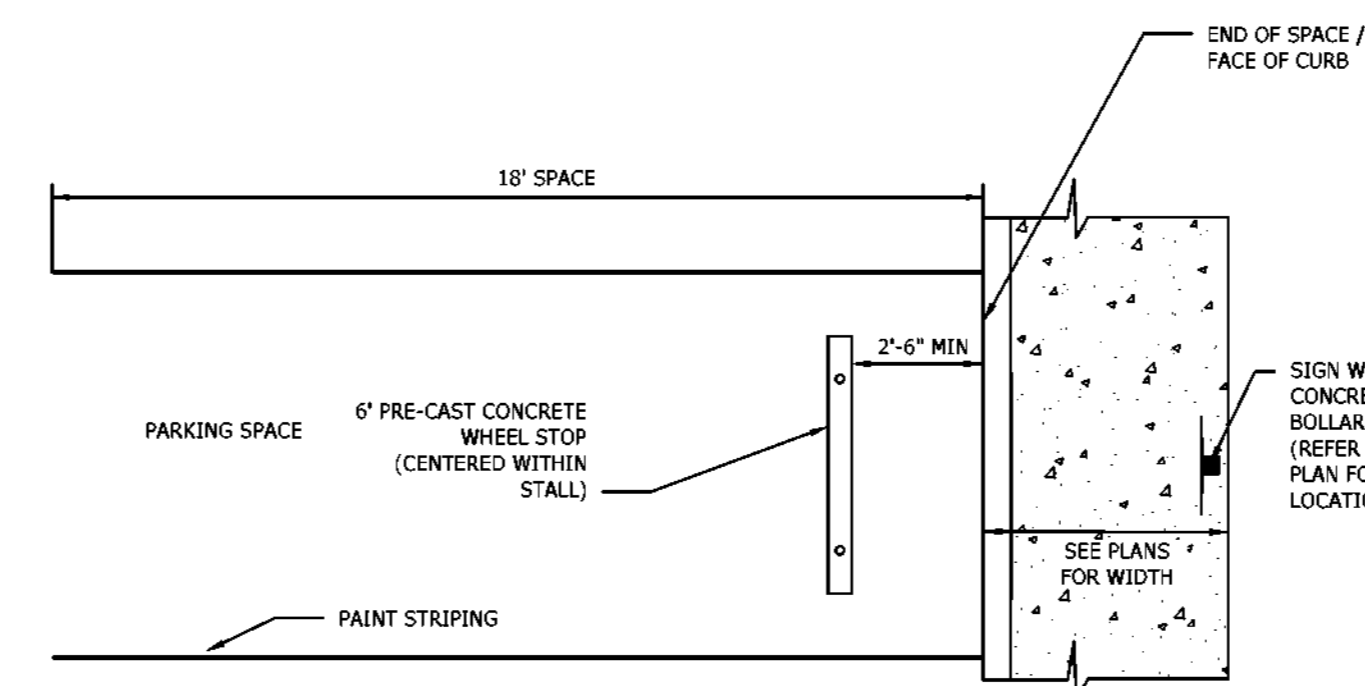
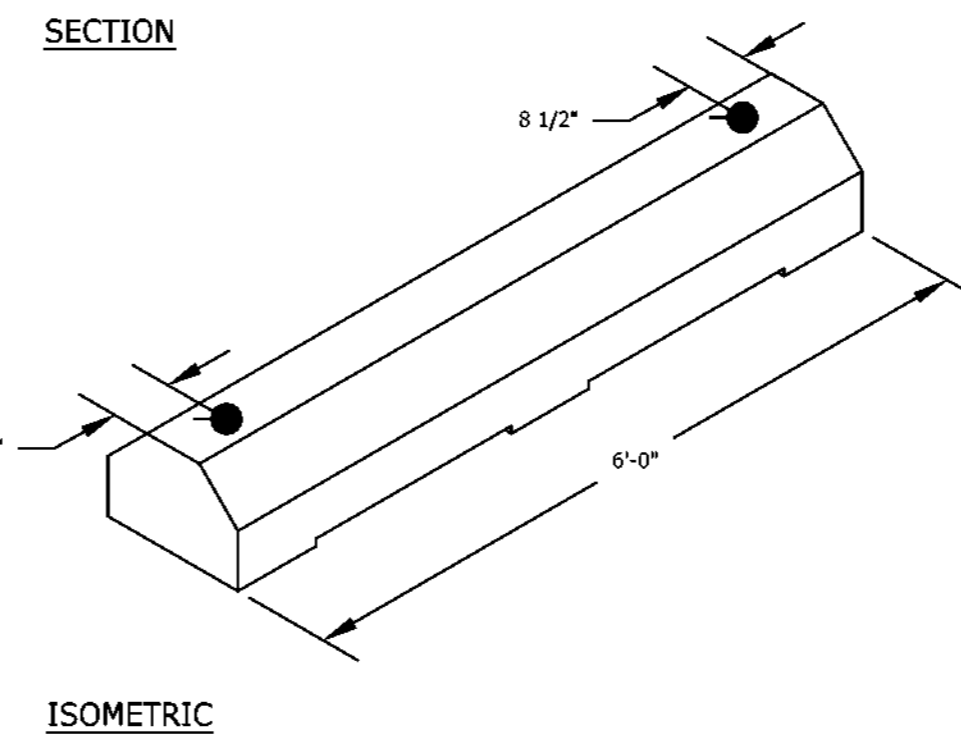
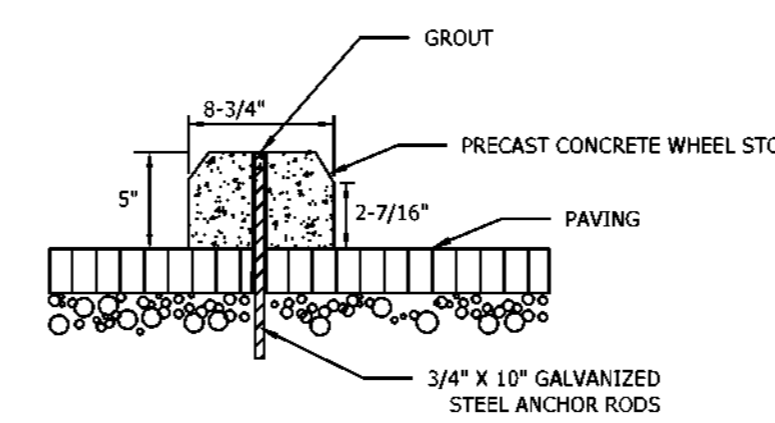
COMPACTION NOTES:
 SUBGRADE AND ABC STONE
 1. COMPACT TO MAXIMUM DRY DENSITY PER ASTM D698 STANDARD PROCTOR AND WITHIN 3% MAXIMUM MOISTURE CONTENT.
 2. COMPACT SUBGRADE SOIL TO 98%
 3. COMPACT ABC STONE TO 100%.
 4. REFER TO SPECIFICATION SECTION 31 10 00 FOR ADDITIONAL INFORMATION.
 ASPHALT
 1. COMPACT ASPHALT TO 92% MAXIMUM SPECIFIC GRAVITY.
 2. REFER TO SPECIFICATION SECTION 32 12 15 FOR ADDITIONAL INFORMATION.

KEYNOTE	1
PATTERN	
CLASSIFICATION	HEAVY DUTY ASPHALT
TYPE S9.5C (2018) SURFACE COURSE	1.5"
TYPE I19.0C (2018) INTERMEDIATE COURSE	3.5"
NCDOT CABC STONE	8"
GEOGRID (SEE ALLOWANCE)	
COMPACTED SUBGRADE	

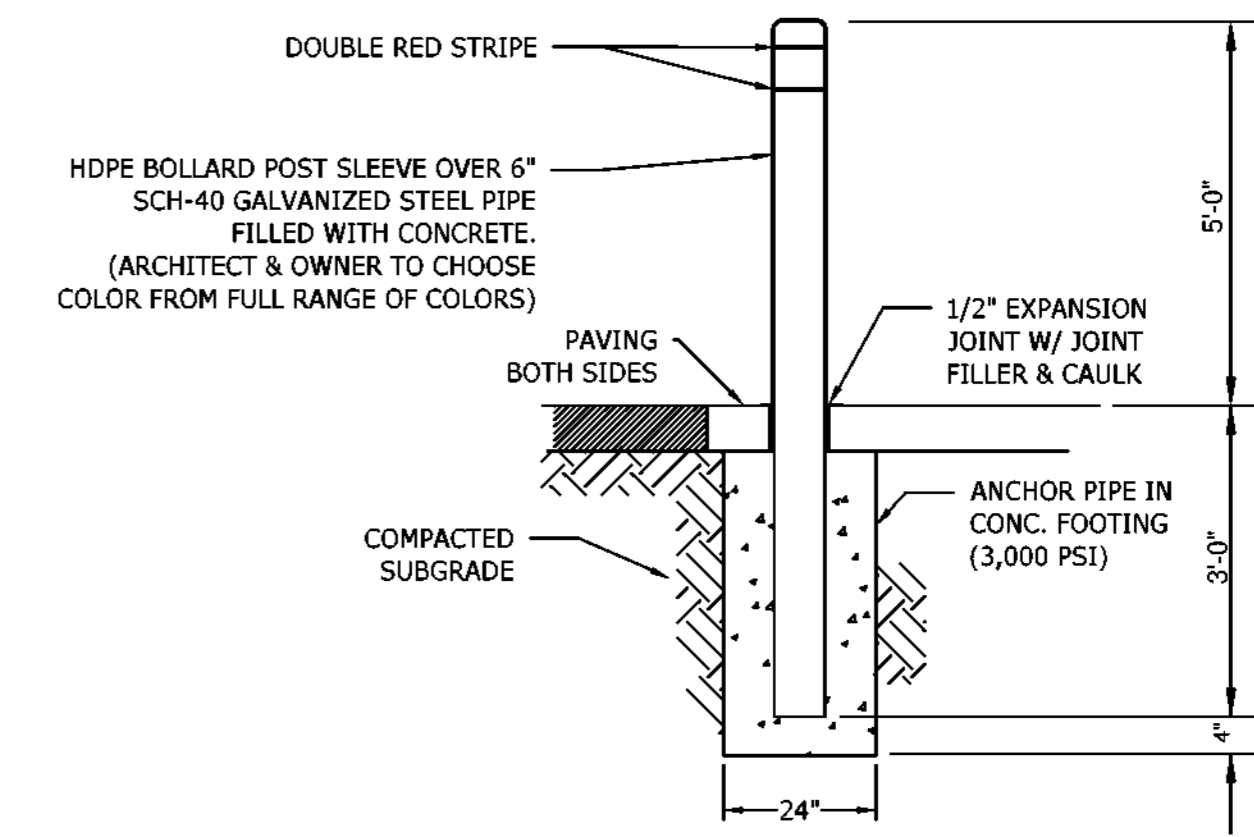
- NOTES:**
- THE CONTRACTOR MAY CHOOSE TO INSTALL INTERMEDIATE COURSES OF PAVEMENT TO STABILIZE THE SITE DURING CONSTRUCTION AT NO ADDITIONAL COST. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ADEQUATE THICKNESS REQUIRED FOR INTERMEDIATE PAVING. INCREASES IN THE DESIGN PAVEMENT SECTION TO FACILITATE INTERMEDIATE PAVING SHALL BE PROVIDED AT NO ADDITIONAL COST.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING PAVEMENT DURING ALL PHASES OF WORK. THE FINAL SURFACE OF PAVEMENT SHALL BE FREE OF ALL DEFECTS OR DAMAGE.
 - CONTRACTOR IS RESPONSIBLE FOR THEIR OWN QC TESTING, PROOF ROLL, AND REQUIREMENTS NOTED IN SPECIFICATIONS.
 - OWNER WILL ACQUIRE 3RD PARTY QC TESTING SERVICES FOR SOILS AND PAVEMENTS.
 - REFER TO SPECIFICATION SECTION 32 12 16 & 31 10 00 FOR ADDITIONAL INFORMATION.



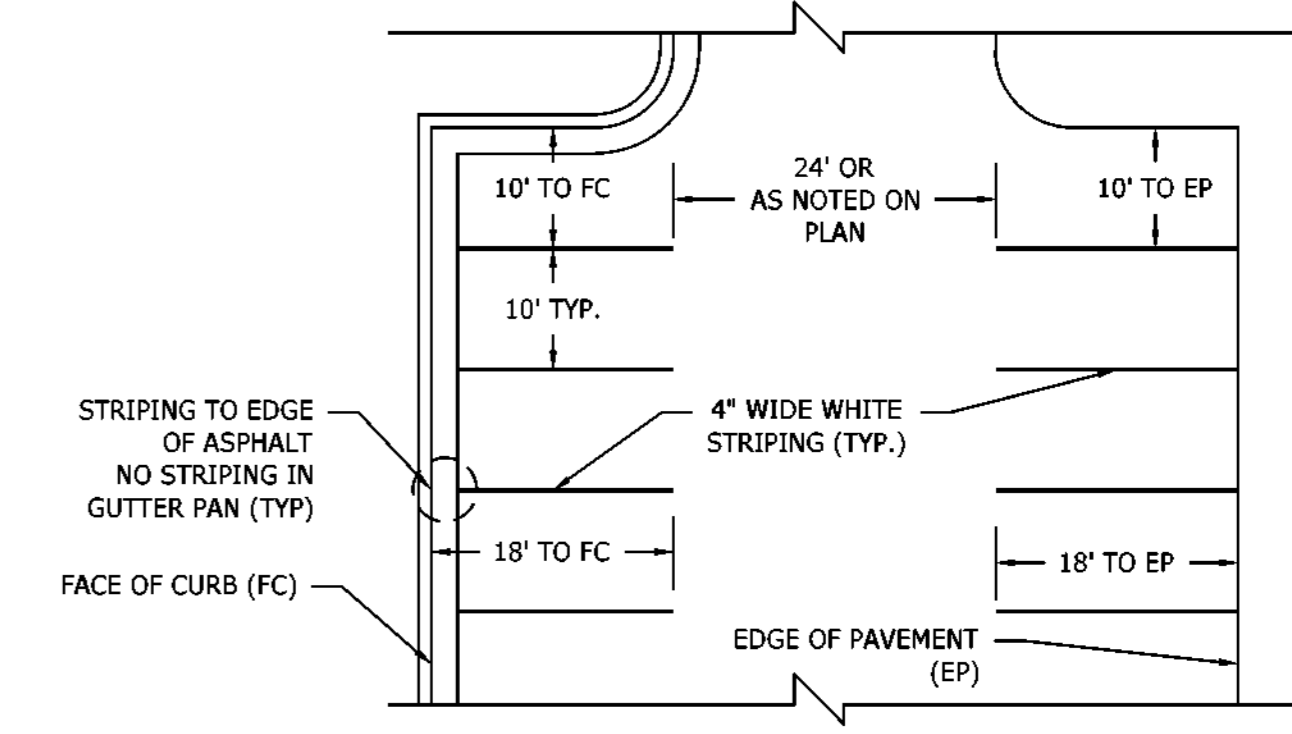
- NOTES:**
- PROVIDE GROOVE CONTROL JOINT 1" DEEP WITH 1/8" RADIUS IN SIDEWALK AT 5' INTERVALS UNLESS INDICATED OTHERWISE.
 - PROVIDE 1/2" EXPANSION JOINT AT 30' INTERVALS.
 - PROVIDE 1/2" EXPANSION JOINT WHERE THE SIDEWALK ABUTS ANY RIGID STRUCTURE.
 - SEE SPECIFICATIONS FOR ADDITIONAL JOINT SPACING REQUIREMENTS.
 - ALL CONCRETE SIDEWALKS SHALL BE 3,000 P.S.I. MIN. WITH BROOM FINISH.
 - WHERE SIDEWALK ABUTS GRASS OR MULCH, THERE SHALL BE 1.5" OF RELIEF FROM THE TOP OF SIDEWALK TO THE GROUND.
 - FOR PATCHING OF EXISTING SIDEWALK, SAW CUT AT NEAREST JOINTS AND REPLACE ENTIRE PANEL. MATCH EXISTING SIDEWALK WIDTH.



WHEEL STOP POSITION WITHIN PARKING STALL



6" GALVANIZED STEEL BOLLARD WITH HDPE SLEEVE N.T.S.



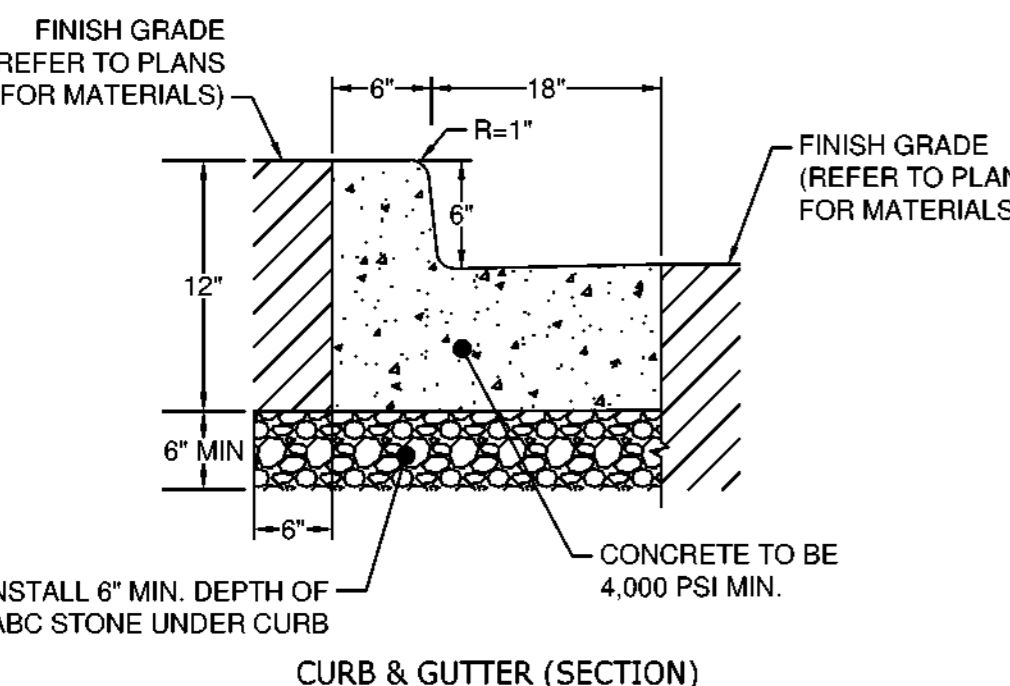
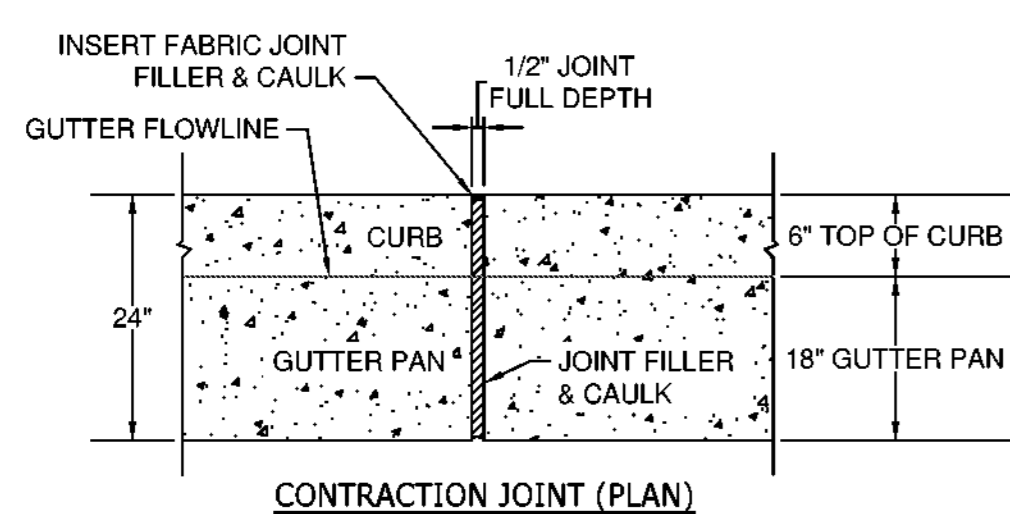
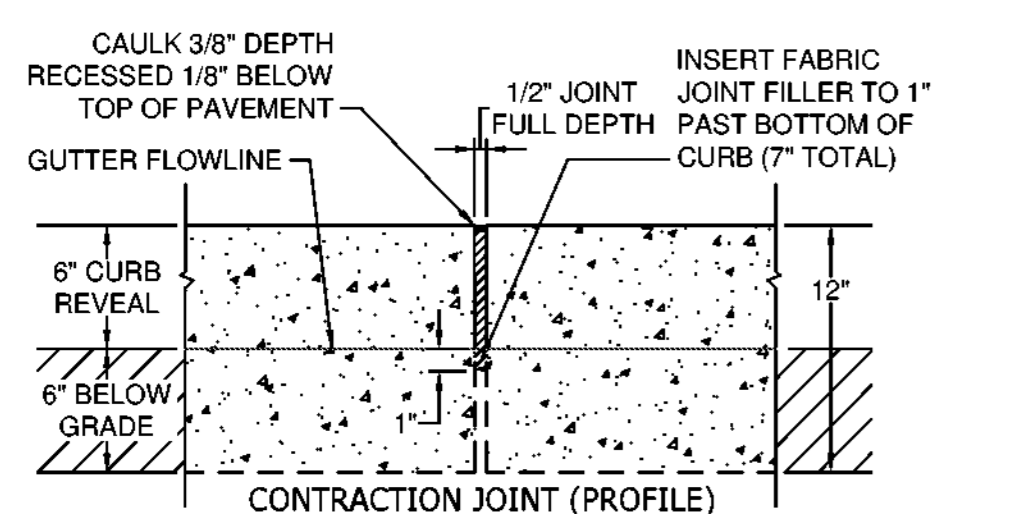
- NOTES:**
- ALL PARKING STALL MARKINGS SHALL BE (2) COATS OF ALKYD RESIN TYPE PAINT, 15 MILLIMETER MIN THICKNESS.
 - FC = FACE OF CURB
 - EP = EDGE OF PAVEMENT

1 HEAVY DUTY ASPHALT PAVEMENT N.T.S.

2 CONCRETE SIDEWALK N.T.S.

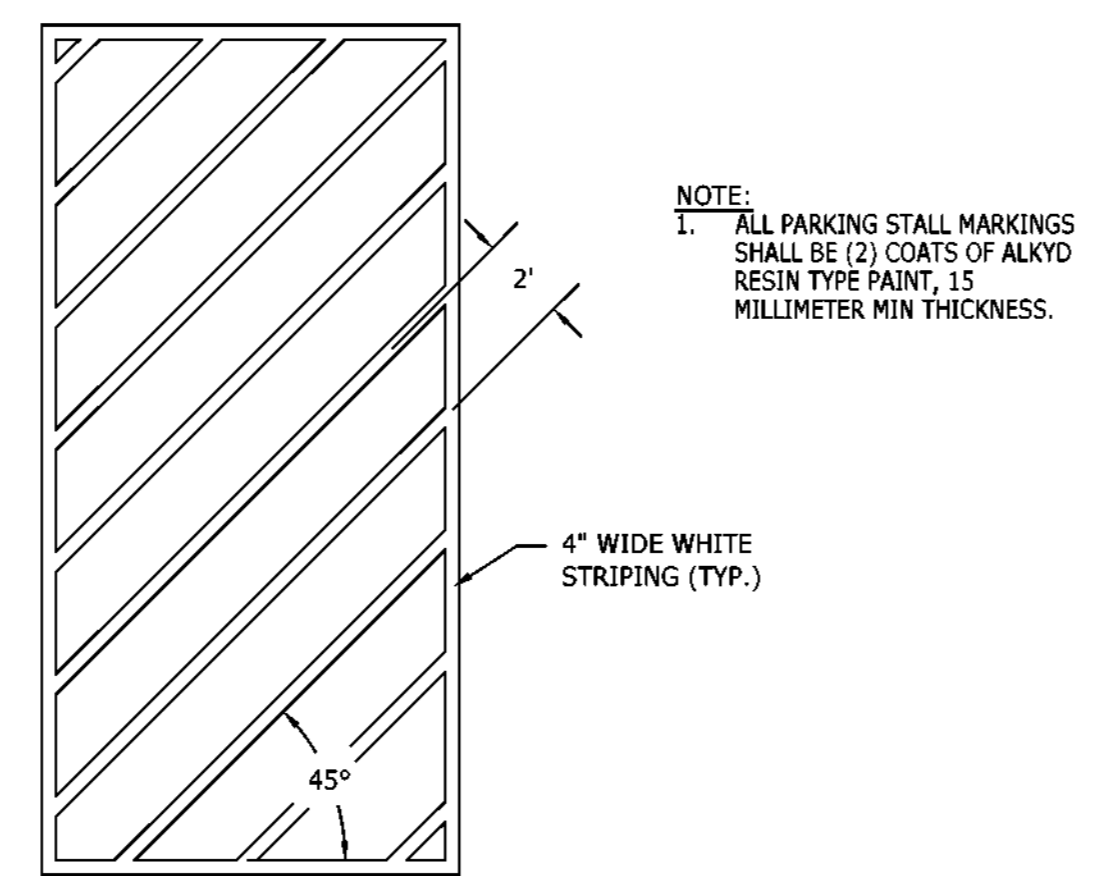
3 PRE-CAST CONCRETE WHEELSTOP N.T.S.

5 PARKING STALL AND TRAFFIC STRIPE N.T.S.



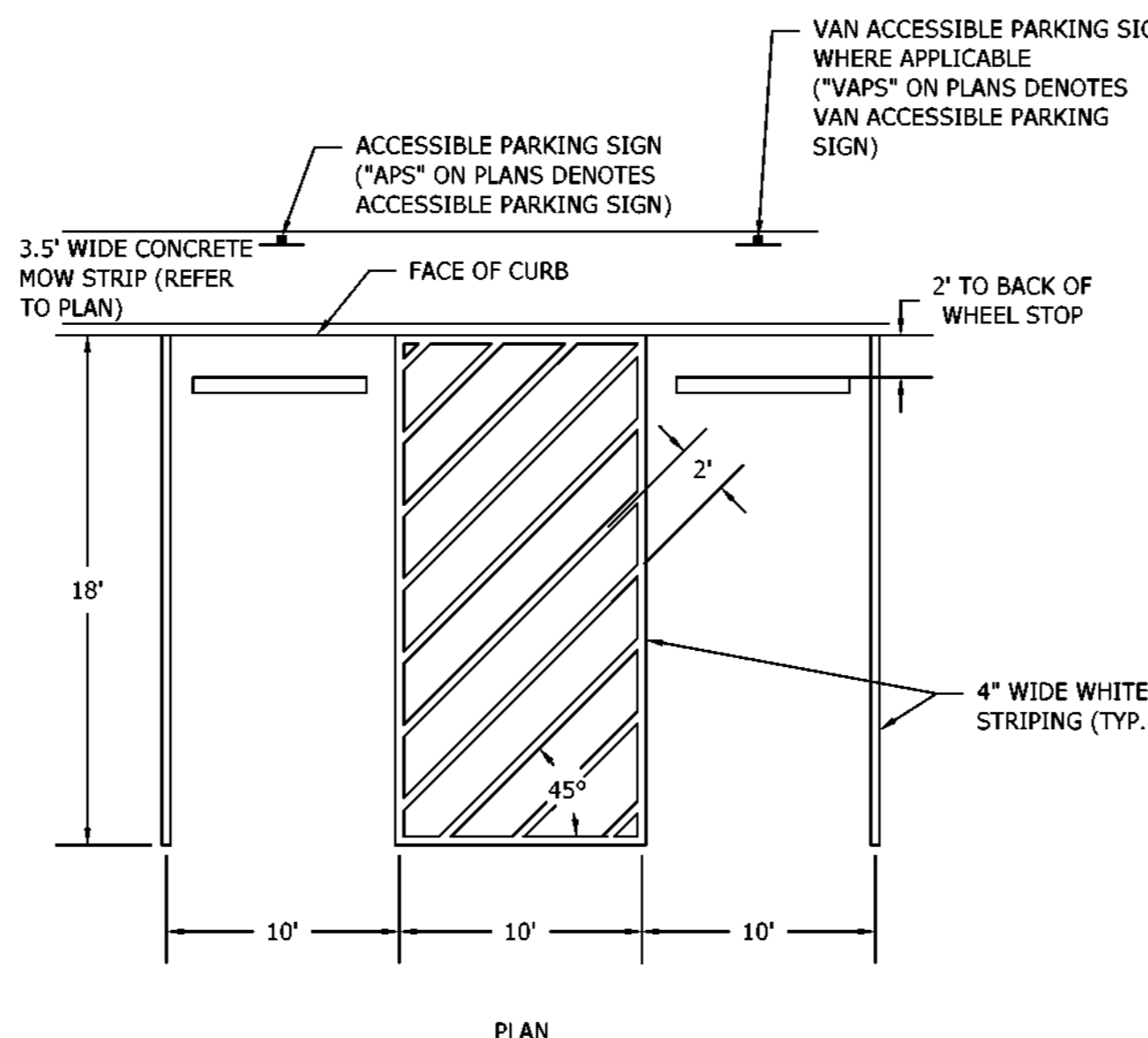
- NOTES:**
- LOCATE CONTRACTION JOINTS 10' MAXIMUM APART IN CURB & GUTTER.
 - INSERT FIBERBOARD STRIPS INTO EACH CONTRACTION JOINT AND TOP WITH CAULK.
 - PROVIDE 1/8" RADIUS ON EACH SIDES OF JOINT.
 - REFER TO SPECIFICATION SECTION 32 13 13 FOR ADDITIONAL INFORMATION.

6 6" CONCRETE CURB & 18" GUTTER N.T.S.



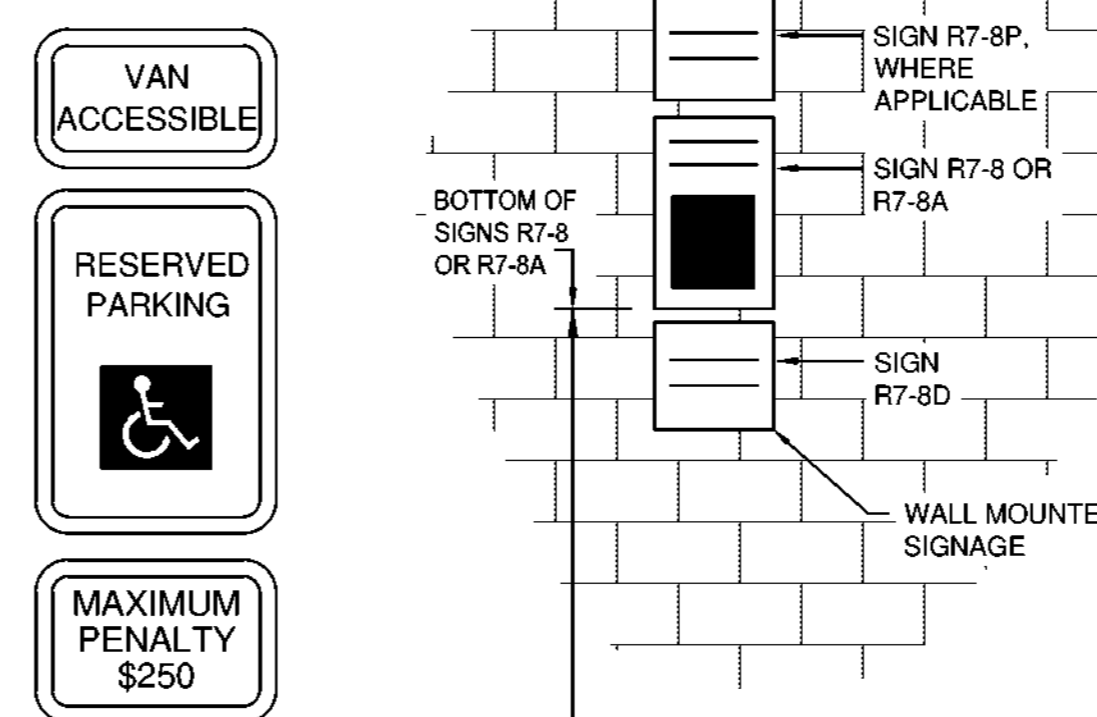
- NOTE:**
- ALL PARKING STALL MARKINGS SHALL BE (2) COATS OF ALKYD RESIN TYPE PAINT, 15 MILLIMETER MIN THICKNESS.

7 DIAGONAL STRIPING N.T.S.



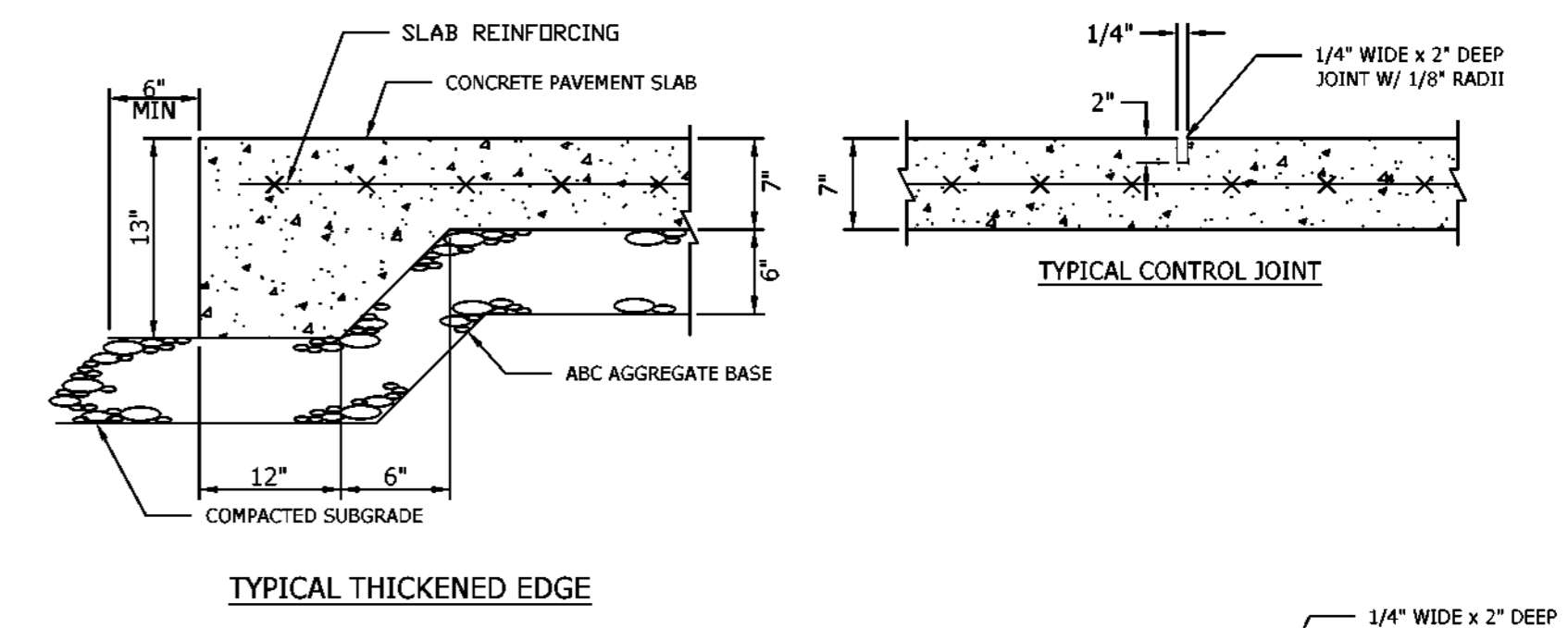
- NOTE:**
- ALL PARKING STALL MARKINGS SHALL BE (2) COATS OF ALKYD RESIN TYPE PAINT, 15 MILLIMETER MIN THICKNESS.

8 ACCESSIBLE PARKING LAYOUT N.T.S.



- NOTES:**
- ALL SIGNS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, NCSBC AND ADA SPECIFICATIONS AND REQUIREMENTS.
 - ONLY INSTALL VAN-ACCESSIBLE SIGN R7-8P WHERE "VAPS" IS SHOWN IN PLAN

9 WALL-MOUNTED ACCESSIBLE PARKING SIGNAGE N.T.S.



CONCRETE PAVEMENT DIMENSIONS
 CONC SLAB THICKNESS = 7"
 CABC THICKNESS = 6"
 REINFORCEMENT = 6x6 - W2.9W2.9
 DOWEL RODS = 18" #5 SMOOTH BARS
 GREASED BOTH SIDES

- NOTES:**
- ALL CONCRETE PAVEMENT SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI MIN. (ASTM C39).
 - CONTROL JOINTS SHALL BE SPACED AT 10' O.C.E.W. MAX. OR AS INDICATED ON THE PLAN.
 - EXPANSION JOINTS SHALL BE SPACED AT 30' O.C.E.W. MAX. OR AS INDICATED ON THE PLAN AND WHERE CONCRETE PAVEMENT ABUTS ANY RIGID OBJECT.
 - INSTALL THICKENED EDGES ALONG ALL EDGES / SIDES OF CONCRETE PAVEMENT.
 - O.C.E.W. REFERS TO "ON CENTER EACH WAY".

10 HEAVY DUTY CONCRETE PAVEMENT N.T.S.

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Raleigh, NC 27607

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Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

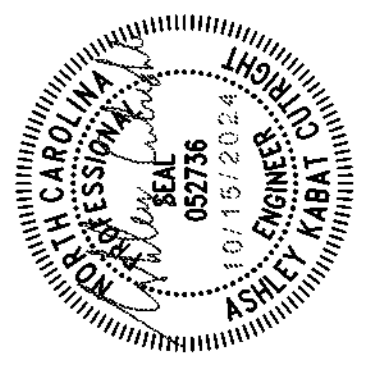
ID DATE DESCRIPTION

CONCRETE PAVEMENT DIMENSIONS
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 CABC THICKNESS = 6"
 REINFORCEMENT = 6x6 - W2.9W2.9
 DOWEL RODS = 18" #5 SMOOTH BARS
 GREASED BOTH SIDES

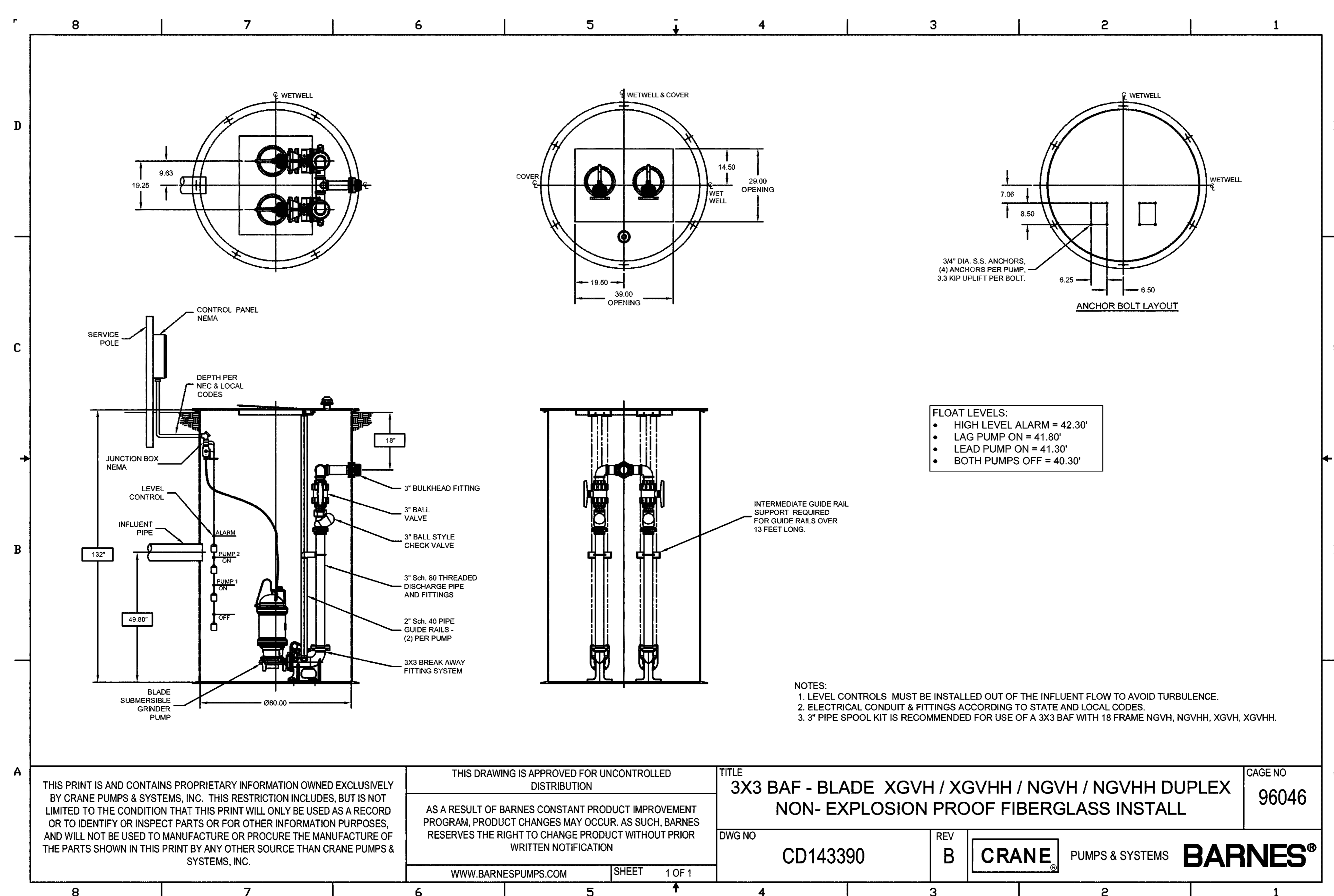
DRAWN BY: JL
CHECKED BY: FS
SITE DETAILS

2021029 OCT 16, 2024

C4-01



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	AS A RESULT OF BARNES CONSTANT PRODUCT IMPROVEMENT PROGRAM, PRODUCT CHANGES MAY OCCUR. AS SUCH, BARNES RESERVES THE RIGHT TO CHANGE PRODUCT WITHOUT PRIOR WRITTEN NOTIFICATION		DWG NO CD143390	REV B
	WWW.BARNESPUMPS.COM SHEET 1 OF 1		CRANE PUMPS & SYSTEMS BARNES®	

DESCRIPTION: THE MANUFACTURER SHALL FURNISH COMPLETE GRINDER PUMP STATION(S), EACH CONSISTING OF A BASIN PACKAGE, CONTROL PANEL, ALARM DEVICE, UNITIZED LEVEL CONTROL SYSTEM, GRINDER PUMP AND ALL NECESSARY APPURTENANCES TO FORM A COMPLETE PACKAGE SYSTEM. GRINDER PUMP SHALL BE LISTED TO UL 778 AND CSA 108. ALL EQUIPMENT IN THE WET WELL SHALL BE CAPABLE OF CONSTANT SUBMERGENCE IN SEWAGE TO A MINIMUM DEPTH OF TEN FEET WITHOUT ELECTRICAL POWER BEING ENERGIZED.

SHOP DRAWINGS AND MANUALS: AFTER RECEIPT OF NOTICE TO PROCEED, THE MANUFACTURER SHALL FURNISH THE ENGINEER A MINIMUM OF EIGHT (8) SETS OF SHOP DRAWINGS DETAILING THE EQUIPMENT TO BE FURNISHED INCLUDING DIMENSIONAL DATA AND MATERIALS OF CONSTRUCTION. THE ENGINEER SHALL PROMPTLY REVIEW THIS DATA, AND RETURN TWO (2) COPIES TO THE MANUFACTURER AS APPROVED, OR APPROVED AS NOTED. UPON RECEIPT OF ACCEPTED SHOP DRAWINGS, THE MANUFACTURER SHALL PROCEED WITH ORDER ENTRY AND FABRICATION OF THE EQUIPMENT. PRIOR TO COMPLETION OF EQUIPMENT DELIVERY, THE MANUFACTURER SHALL SUPPLY FOUR (4) COPIES OF OPERATION AND MAINTENANCE MANUALS TO THE OWNER, AND ONE (1) COPY OF THE SAME TO THE ENGINEER.

PRE-APPROVAL OF MANUFACTURER: THE SYSTEM DESIGN IS DETAILED IN THE DRAWINGS. ANY PUMP MANUFACTURER NOT SPECIFIED, BUT WISHING TO BE PRE-APPROVED AS AN ACCEPTABLE SUPPLIER SHALL SUBMIT A COMPLETE HYDRAULIC ANALYSIS BASED ON THE DESIGN DETAILED IN THE DRAWINGS AT LEAST FIFTEEN DAYS PRIOR TO BID DATE. MANUFACTURER REPRESENTATIVES, DISTRIBUTORS, OR PACKAGERS WILL NOT BE CONSIDERED TO BE MANUFACTURERS. MANUFACTURERS MUST DEMONSTRATE TO THE SATISFACTION OF ENGINEER THAT THE PROPOSED PUMP EQUIPMENT WILL MEET SYSTEM FLOW AND HEADS REQUIRED. IN ADDITION, PRE-SUBMITTAL MUST ALSO DEMONSTRATE TO THE SATISFACTION OF THE ENGINEER THAT THE EQUIPMENT BEING PROPOSED MEETS OR EXCEEDS ALL PERFORMANCE AND SAFETY REQUIREMENTS, MATERIALS OF CONSTRUCTION, AND USER BENEFITS OF THE SPECIFIED EQUIPMENT. ONLY PRE-APPROVED GRINDER PUMP STATION MANUFACTURERS WILL BE CONSIDERED. ALL BIDS UTILIZING MANUFACTURERS NOT PRE-APPROVED WILL BE CONSIDERED NON-RESPONSIVE.

WARRANTY: THE MANUFACTURER SHALL PROVIDE A WARRANTY ON ANY DEFECTIVE PARTS FOR A PERIOD OF TWELVE (12) MONTHS AFTER NOTICE OF OWNER'S ACCEPTANCE, BUT NO GREATER THAN TWENTY-FOUR (24) MONTHS AFTER RECEIPT OF SHIPMENT. THE OWNER WILL RETURN ANY EQUIPMENT FOUND TO BE DEFECTIVE TO THE MANUFACTURER FOR INSPECTION AND VALIDATION OF THE DEFECT. DEFECTIVE EQUIPMENT WILL BE REPAIRED OR REPLACED AND SHIPPED BACK TO CUSTOMER AT NO CHARGE. CONSULT FACTORY FOR EXTENDED WARRANTY INFORMATION.

ACCEPTABLE MANUFACTURER(S): ACCEPTABLE GRINDER PUMP STATION MANUFACTURER(S) ARE CRANE PUMPS & SYSTEMS INC., OR PRE-APPROVED EQUAL.

CORROSION PROTECTION: ALL MATERIALS EXPOSED TO WASTEWATER SHALL HAVE INHERENT CORROSION PROTECTION: I.E., PAINTED CAST IRON, FIBERGLASS, STAINLESS STEEL, PVC.

SAFETY: THE GRINDER PUMP STATION SHALL BE FREE FROM ELECTRICAL AND FIRE HAZARDS AS REQUIRED IN A RESIDENTIAL ENVIRONMENT.

REDUNDANT CHECK VALVE: EACH BASIN PACKAGE SHALL INCLUDE ONE (1) PVC FLAPPER TYPE CHECK VALVE (SUPPLIED AND INSTALLED BY OTHERS) IN THE SERVICE LATERAL BETWEEN THE GRINDER PUMP STATION AND THE LOW PRESSURE SEWER MAIN. VALVES SHALL BE 1.25 INCH NPT FOR SIMPLEX AND 1.5 INCH NPT FOR DUPLEX STATIONS.

STATION CONFIGURATION: BASINS SHALL BE SUPPLIED IN A WET WELL CONFIGURATION. WET WELL MUST HAVE MINIMUM STORAGE VOLUMES ABOVE ALARM LEVEL ACCORDING TO THE FOLLOWING TABLE:

OVERALL STATION HEIGHT	MINIMUM RESERVE STORAGE ABOVE ALARM LEVEL
40" (1.2 METERS)	35.7 GALLONS (133 LITERS)
48" (1.2 METERS)	59.2 GALLONS (224 LITERS)
60" (1.5 METERS)	82.7 GALLONS (313 LITERS)
72" (1.8 METERS)	106.2 GALLONS (402 LITERS)
84" (2.1 METERS)	129.7 GALLONS (491 LITERS)
96" (2.4 METERS)	153.2 GALLONS (580 LITERS)
108" (2.7 METERS)	176.7 GALLONS (669 LITERS)

FACTORY WIRING: ALL WIRING IN THE GRINDER PUMPS SHALL BE INSTALLED AND FUNCTIONALLY TESTED PRIOR TO SHIPMENT FROM THE FACTORY. ALL ELECTRICAL WIRES PENETRATING OR PASSING THROUGH THE SILHOUETTE OF THE PUMP STATION MUST BE GUARANTEED TO BE WATER TIGHT BY THE MANUFACTURER AND MUST BE INSTALLED AT THE FACTORY PRIOR TO SHIPMENT. NO JUNCTIONS, PLUGS, ELECTRICAL QUICK DISCONNECTS (EQDS) ETC. WILL BE ALLOWED BETWEEN THE PUMP MOTOR HOUSING AND THE CONTROL PANEL. FACTORY WIRING AND TESTING SHALL BE A SPECIFIC PART OF THE UL LISTING.

LEVEL DETECTION: LEVEL DETECTION FOR CONTROLLING PUMP AND ALARM OPERATION SHALL BE ACCOMPLISHED BY USE OF A DETECTION MECHANISM SPECIFICALLY DESIGNED FOR USE IN A SEWAGE GRINDER PUMP BASIN AND SHALL BE REMOVABLE WITHOUT THE NEED TO REMOVE THE PUMP. SWITCHES UTILIZED IN THE SYSTEM SHALL BE HERMETICALLY SEALED IN A SUBMERSIBLE, WATERTIGHT PROTECTIVE CASING. LEVEL DETECTION MECHANISM SHALL BE MECHANICAL TYPE SNAP-ACTION LEVEL CONTROL FLOATS. LEVEL DETECTION MECHANISM SHALL NOT REQUIRE ANY REGULAR, PREVENTIVE MAINTENANCE. THE LEVEL DETECTION MECHANISM SHALL CONSIST OF FOUR SWITCHES, ONE FOR EACH FUNCTION (HIGH WATER ALARM, LEAD ON, LAG ON, AND OFF FUNCTIONS). THE LEVEL CONTROLS SHALL BE SERVICEABLE WITHOUT THE NEED FOR A COVERED SPACE ENTRY AS DEFINED BY OSHA. LEVEL CONTROL FLOATS SHALL BE MOUNTED ON A STAINLESS STEEL CABLE RACK, SHIPPED LOOSE FOR FIELD LOCATION AND INSTALLATION ONTO THE BASIN. LEVEL CONTROL CORDS SHALL BE OF SUFFICIENT LENGTH TO TRAVEL THROUGH CONDUIT ALL THE WAY TO THE CONTROL PANEL.

SHUT-OFF VALVE: THE PUMP DISCHARGE SHALL BE EQUIPPED WITH A FACTORY INSTALLED, TRUE UNION, MANUAL BALL VALVE. BALL VALVES SHALL BE FULL PORTED, CONSTRUCTED OF PVC, WITH A MINIMUM RATED PRESSURE OF 150 PSI (10.3 KG/SQ. METER). ALL VALVES SHALL BE OPERABLE FROM GROUND LEVEL. SHUT OFF VALVE MUST BE REPLACEABLE WITHOUT EXCAVATING BASIN EXTERIOR. DUPLEX STATION SHALL UTILIZE TWO SHUT OFF VALVES, EACH EQUAL TO THE SIZE OF THE PUMP DISCHARGE.

ANTI-SIPHON FUNCTION: THE PUMP SHALL BE CONSTRUCTED WITH A POSITIVELY PRIMED FLOODED SUCTION CONFIGURATION. AS ADDED ASSURANCE THAT THE PUMP CANNOT LOSE PRIME EVEN UNDER NEGATIVE PRESSURE CONDITIONS IN THE DISCHARGE PIPING SYSTEM. THE DISCHARGE PIPING SYSTEM MUST INCLUDE AN ANTI-SIPHON CAPABILITY.

BASIN CONSTRUCTION AND ASSEMBLY: THE BASIN SHALL BE FIBERGLASS REINFORCED POLYESTER RESIN WITH A 3" (76.2MM) BALLAST SUPPORT FLANGE. THE BASIN SHALL BE FURNISHED WITH ONE FLEXIBLE INLET FLANGE (SHIPPED LOOSE TO FACILITATE FIELD LOCATION TO ACCEPT A 1/2" (12.7MM) OD DWV PIPE. INLET LOCATION CAN VARY TO ACCOMMODATE EASE OF INSTALLATION. (SEE INSTALLATION INSTRUCTIONS OR CONSULT FACTORY FOR DETAILS). BASIN CAPACITIES AND DIMENSIONS SHALL BE AS SHOWN ON THE CONTRACT DRAWINGS OR AS SPECIFIED HEREIN. THE BASIN FRP WALL LAMINATE THICKNESS SHALL VARY WITH THE WETWELL DEPTH TO PROVIDE THE AGGREGATE STRENGTH TO MEET THE TENSILE AND FLEXURAL PHYSICAL PROPERTY REQUIREMENTS. THE BASIN FRP WALL LAMINATE MUST BE DESIGNED TO WITHSTAND WALL COLLAPSE OR BUCKLING BASED ON A HYDROSTATIC PRESSURE OF POUNDS PER SQUARE FOOT. A SATURATED SOIL WEIGHT OF 120 POUNDS PER CUBIC FOOT, A SOIL MODULUS OF 700 POUNDS PER SQUARE FOOT. BASIN MUST COMPLY WITH THE PIPE STIFFNESS VALUES AS SPECIFIED IN ASTM D 2753. THE BASIN LAMINATE MUST BE CONSTRUCTED TO WITHSTAND OR EXCEED 150% OF THE ASSUMED LOADING ON ANY DEPTH. THE FINISHED FRP LAMINATE WILL HAVE A BARCOL HARDNESS OF AT LEAST 90% OF THE RESIN MANUFACTURER'S SPECIFIED HARDNESS FOR THE FULLY CURED RESIN. THE BARCOL HARDNESS SHALL BE THE SAME FOR BOTH INTERIOR AND EXTERIOR SURFACES. MANUFACTURER MUST SUBMIT DOCUMENTATION INCLUDING CALCULATION AND PRODUCTION CERTIFICATION THAT BASIN(S) ON THE PROJECT ARE IN COMPLIANCE WITH THE ABOVE REQUIREMENTS.

COVER: SHALL BE ALUMINUM WITH A HATCH OPENING FOR EASY ACCESS TO THE WET WELL. THE COVER ASSEMBLY SHALL BE CAPABLE OF PROVIDING ADEQUATE MEANS OF VENTING THE BASIN.

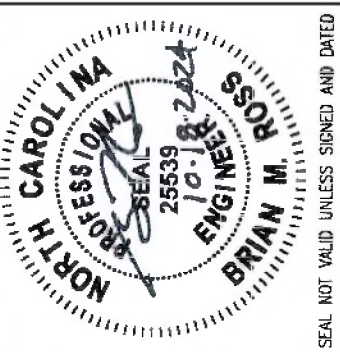
DISCHARGE SYSTEM: THE DISCHARGE SYSTEM SHALL CONSIST OF A 1.25" PVC BALL TYPE CHECK VALVE AND FLEXIBLE HOSE DESIGN. HOSE SHALL BE RATED AT A CAPACITY GREATER THAN THE PUMP IS CAPABLE OF PRODUCING. NON-FLEXIBLE PORTIONS OF THE DISCHARGE ASSEMBLY SHALL BE SCHEDULE 80 PVC. THE MANUFACTURER SHALL GUARANTEE ALL BALLHEAD PENETRATIONS WATERTIGHT. THE GRINDER PUMP SHALL BE MOUNTED ON A 95 BASE. THE DISCHARGE SHALL BE 1.5" NPT SS DISCHARGE COUPLING.

PUMP REMOVAL SYSTEM: EACH PUMP SHALL BE REMOVABLE FROM GROUND LEVEL WITHOUT THE REQUIREMENT OF ENTERING THE BASIN. A POLYPROPYLENE LIFTING ROPE WITH 756LB (343KG) WORKING LOAD AND 3,780LB (1,715KG) BREAKING STRENGTH SHALL BE SUPPLIED FOR PUMP REMOVAL.

ONSLow COUNTY SENIOR SERVICE CENTER
ONSLow COUNTY GOVERNMENT
4024 RICHLANDS HWY, JACKSONVILLE, NC 28540

ID	DATE	DESCRIPTION

DRAWN BY: JMH
CHECKED BY: AKC
PUMP STATION
DETAILS
2021029 14 OCT. 2024
C5-02

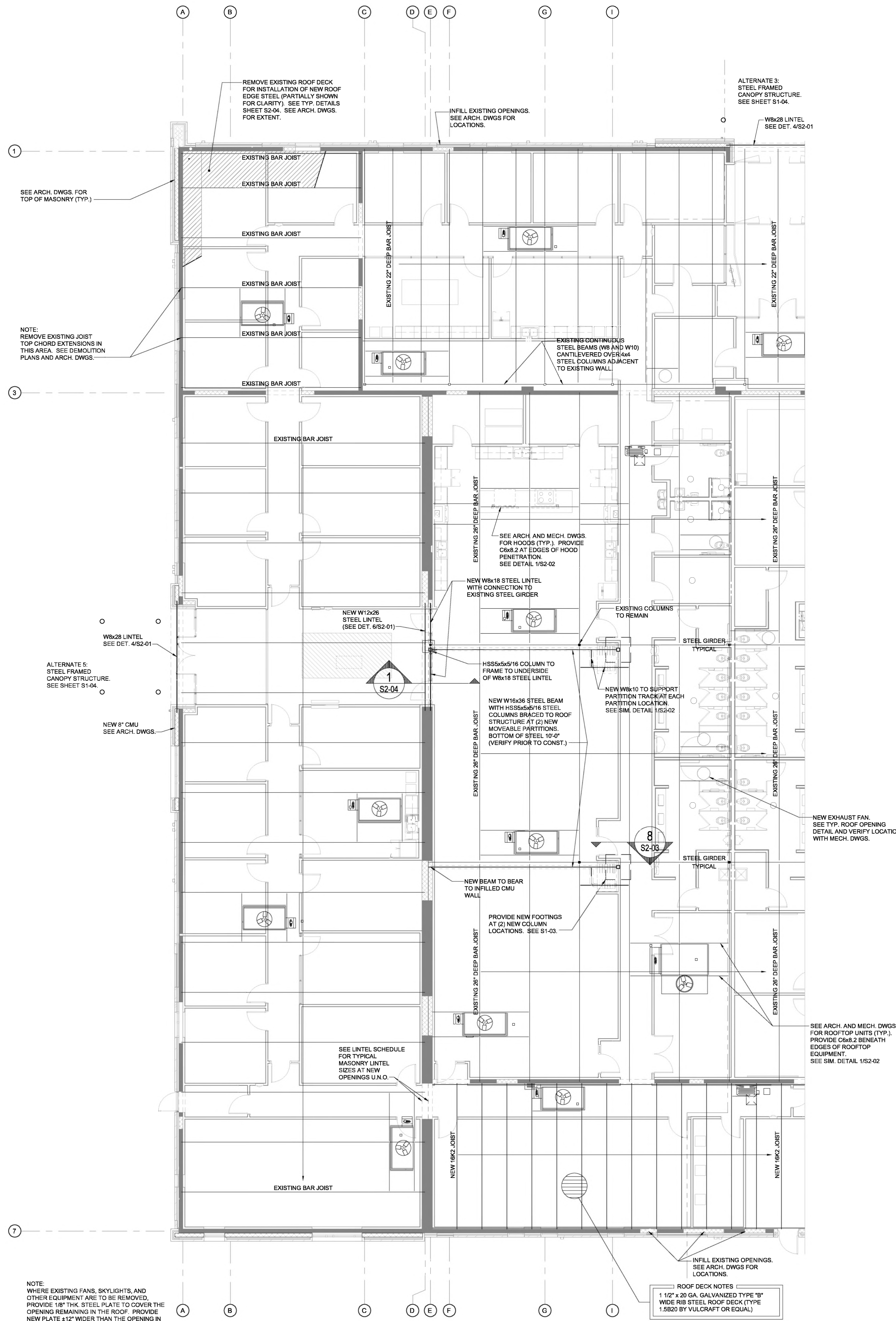


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Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION



REMOVE EXISTING ROOF DECK FOR INSTALLATION OF NEW ROOF EDGE STEEL (PARTIALLY SHOWN FOR CLARITY). SEE TYP. DETAILS SHEET S2-04. SEE ARCH. DWGS. FOR EXTENT.

SEE ARCH. DWGS. FOR TOP OF MASONRY (TYP.)

NOTE: REMOVE EXISTING JOIST TOP CHORD EXTENSIONS IN THIS AREA. SEE DEMOLITION PLANS AND ARCH. DWGS.

W8x26 LINTEL SEE DET. 4/S2-01

ALTERNATE 5: STEEL FRAMED CANOPY STRUCTURE. SEE SHEET S1-04.

NEW 6" CMU SEE ARCH. DWGS.

SEE LINTEL SCHEDULE FOR TYPICAL MASONRY LINTEL SIZES AT NEW OPENINGS U.N.O.

NOTE: WHERE EXISTING FANS, SKYLIGHTS, AND OTHER EQUIPMENT ARE TO BE REMOVED, PROVIDE 1/8" THK. STEEL PLATE TO COVER THE OPENING REMAINING IN THE ROOF. PROVIDE NEW PLATE ±12" WIDER THAN THE OPENING IN EACH DIRECTION AND SCREW TO EXISTING ROOF DECK. SEE ARCH. DWGS. FOR ADDITIONAL INFORMATION. MAX. OPENING SIZE 30"x30". CONTACT ENGINEER IF COVER FOR LARGER OPENINGS IS REQUIRED.

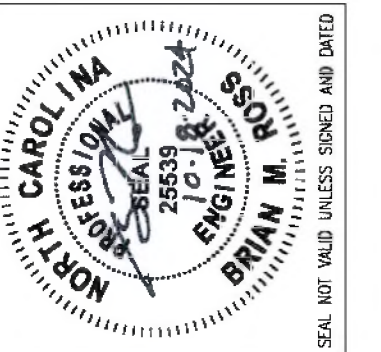
1 STRUCTURAL RENOVATION PLAN - AREA B
S1-02 1/8" = 1'-0"

DRAWN BY: BR
CHECKED BY: BR/JG

RENOVATION
FRAMING PLAN
AREA B

C230906 16 OCT. 2024

S1-02



ROSS LINDEN
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109 N. JONES STREET, RALEIGH, NC 27603
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Onslow County Government**
4024 Richlands Hwy, Jacksonville, NC 28540

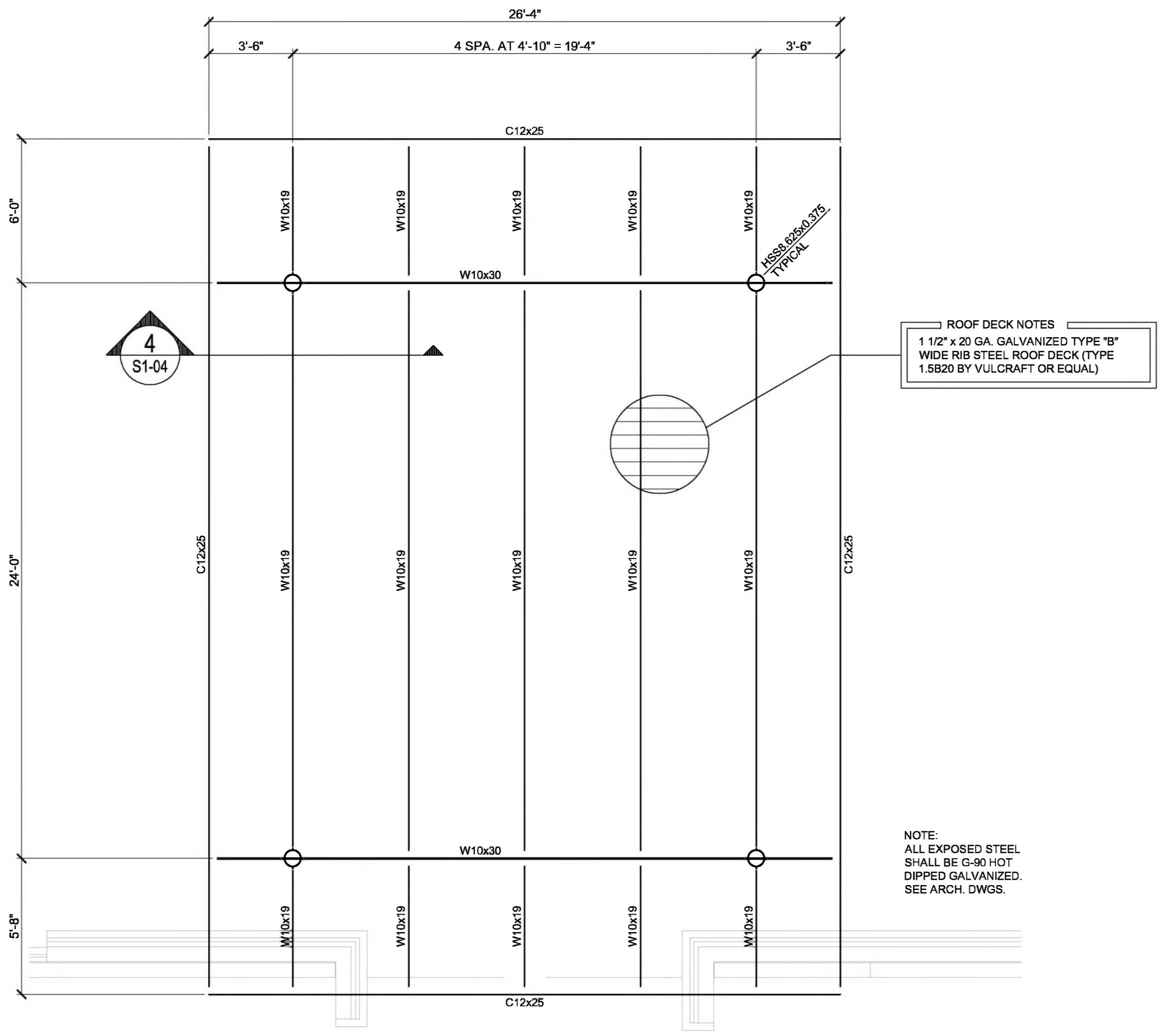
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CHECKED BY: BR/JG

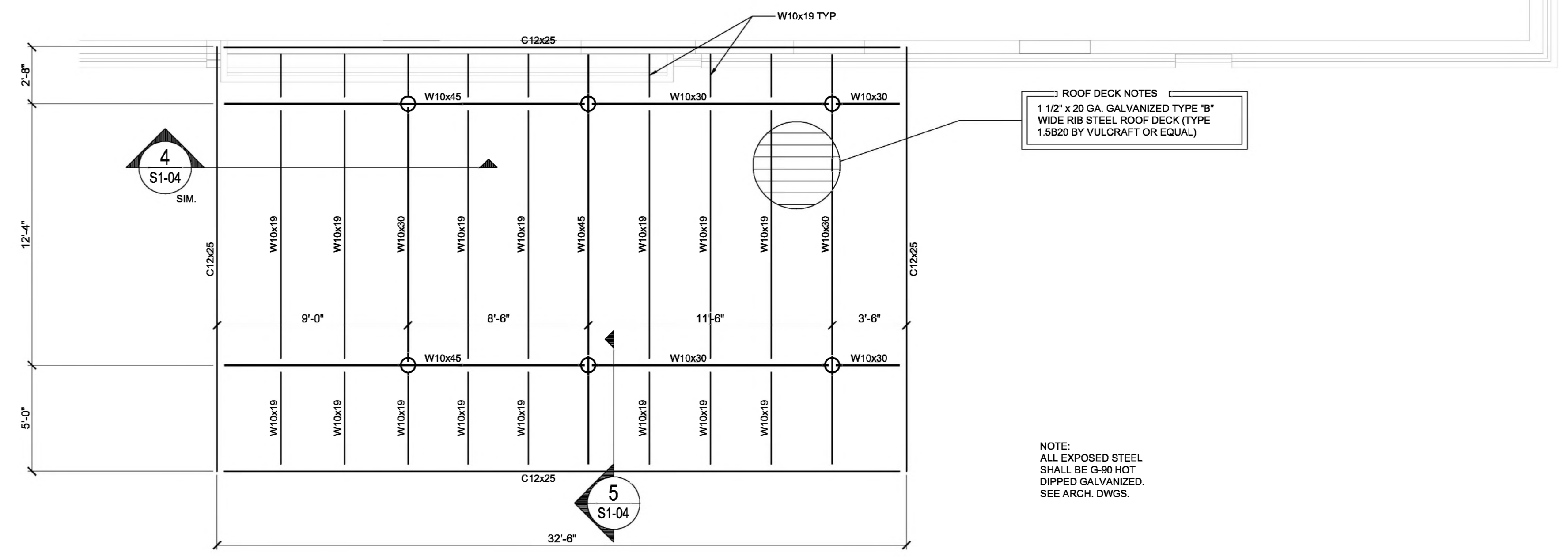
ALTERNATES
3, 4, AND 5
STRUCT. PLANS

C230906 18 OCT. 2024

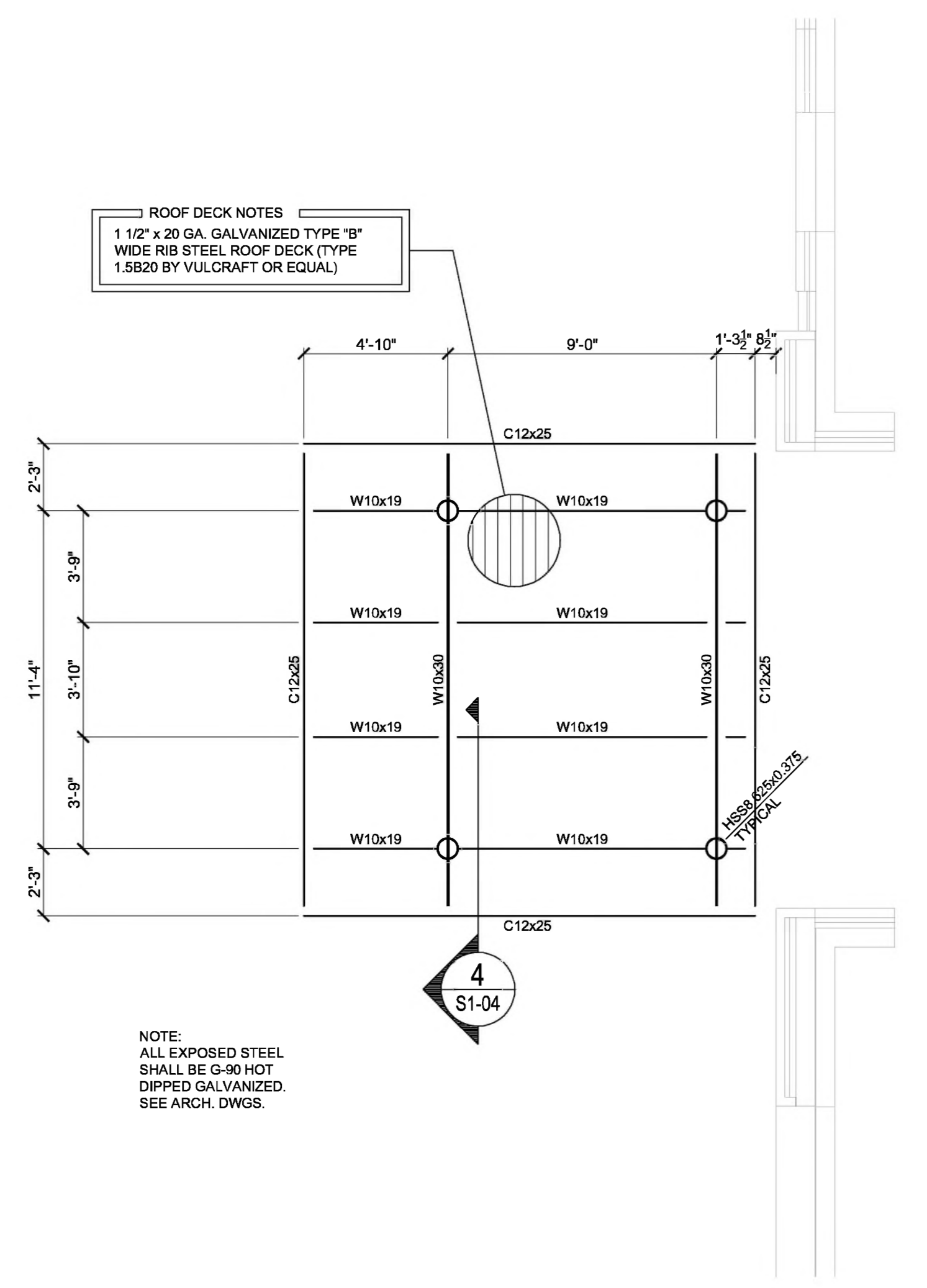
S1-04



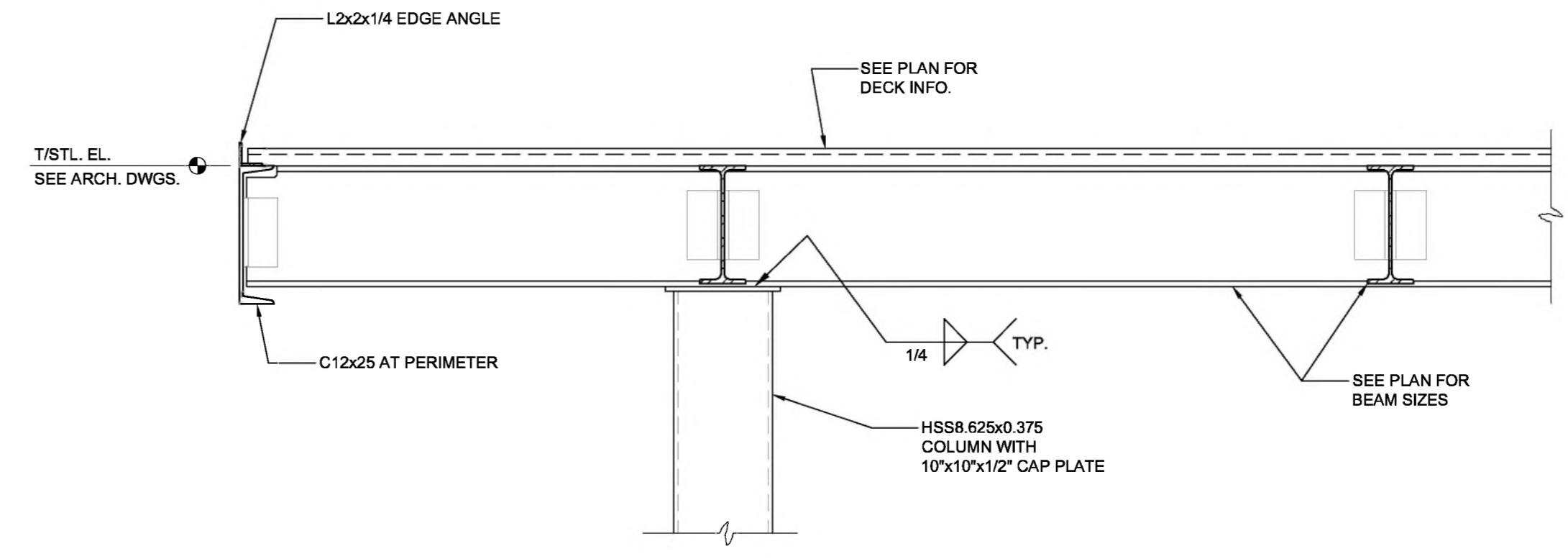
1 CANOPY FRAMING PLAN - ALTERNATE 3
S1-04 1/4" = 1'-0"



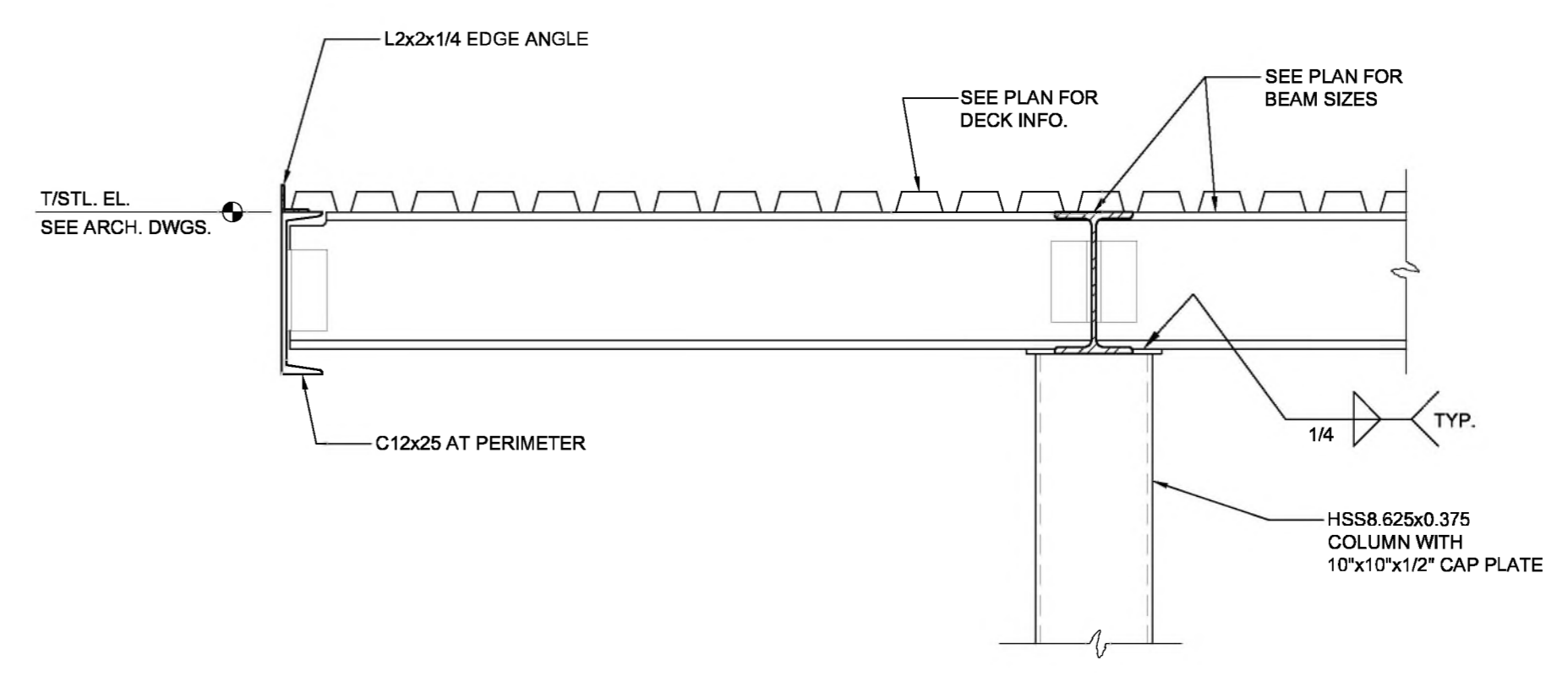
2 CANOPY FRAMING PLAN - ALTERNATE 4
S1-04 1/4" = 1'-0"



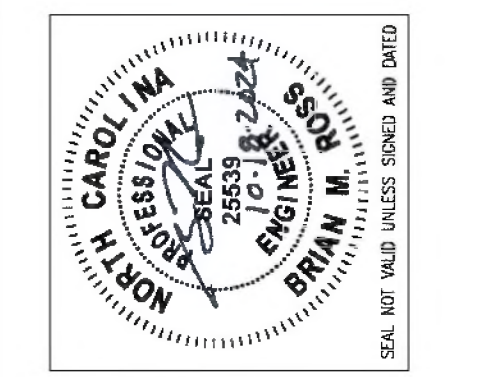
3 CANOPY FRAMING PLAN - ALTERNATE 5
S1-04 1/4" = 1'-0"



4 TYPICAL FRAMING SECTION AT CANOPY
S1-04 1" = 1'-0"



5 FRAMING SECTION AT CANOPY
S1-04 1" = 1'-0"



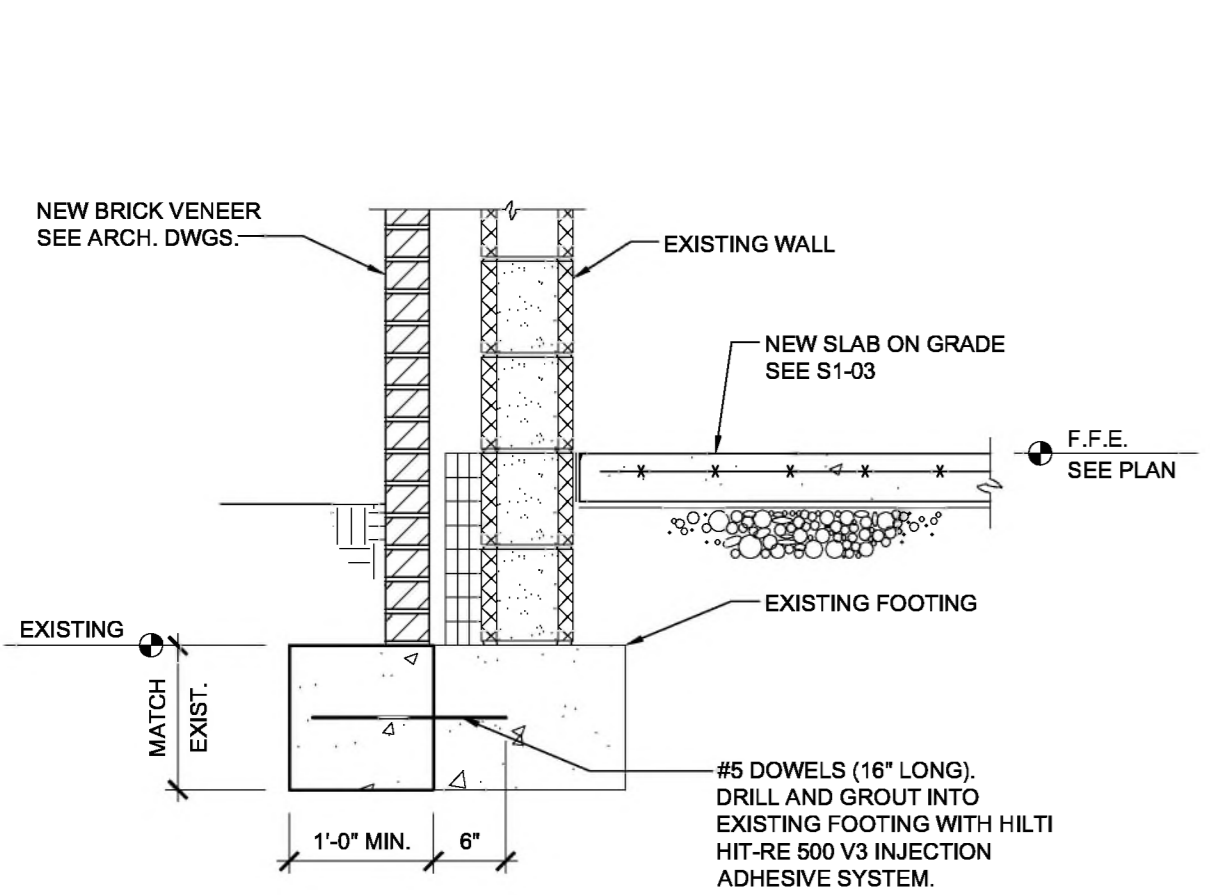
ROSS LINDEN
ENGINEERS P.C.
100 N. WALKER STREET, RALEIGH, NC 27603
TEL: 919.833.8570 FAX: 919.833.8570
WWW.ROSSLINDEN.COM
NC LICENSE NO. C-2344

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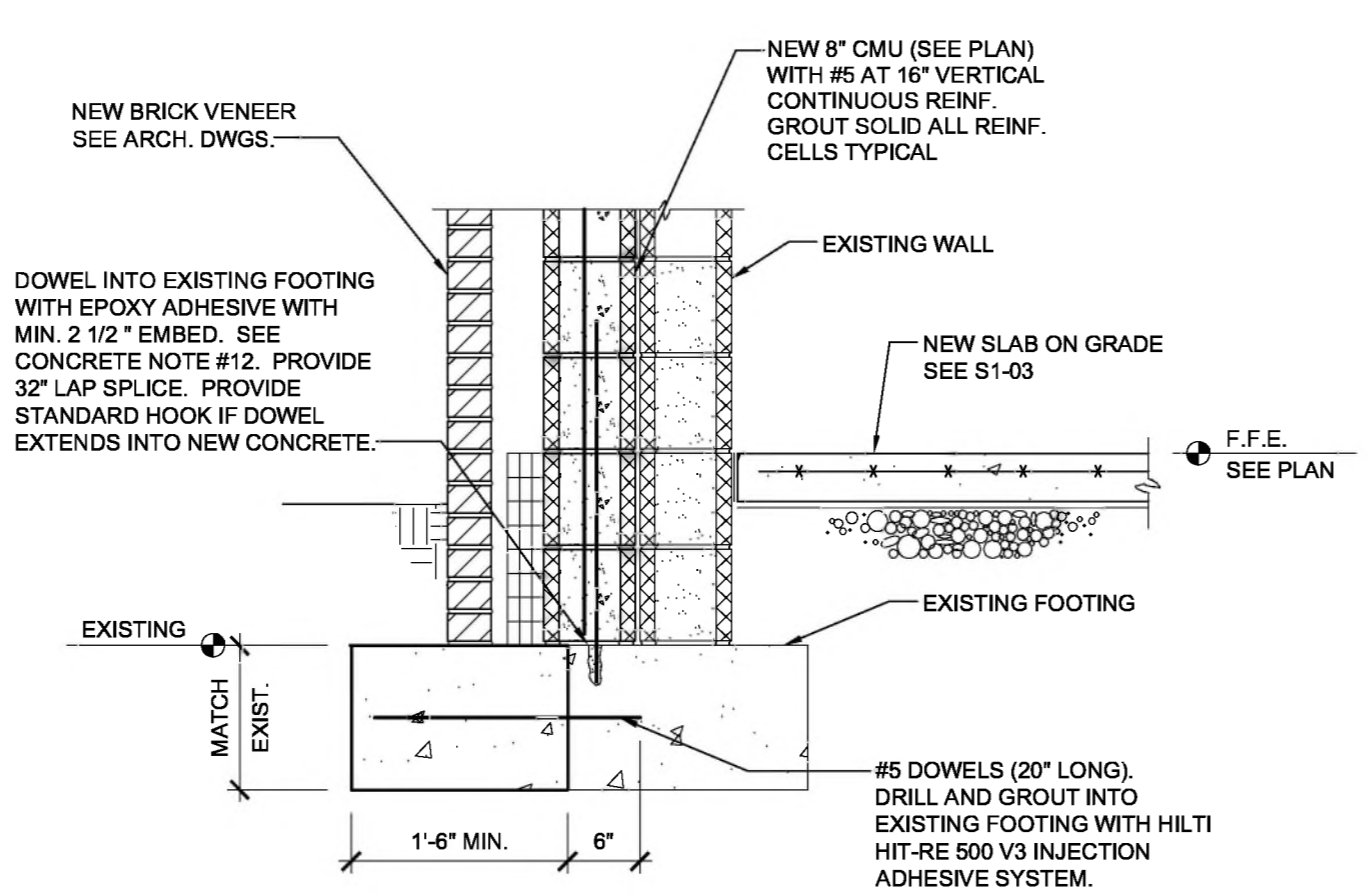
THIS DRAWING IS FORWARDED TO THE CLIENT BY THE ARCHITECT. IT IS THE CLIENT'S RESPONSIBILITY TO OBTAIN NECESSARY PERMITS AND TO BE PRINTED ON A 36" X 48" SHEET.

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Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540**

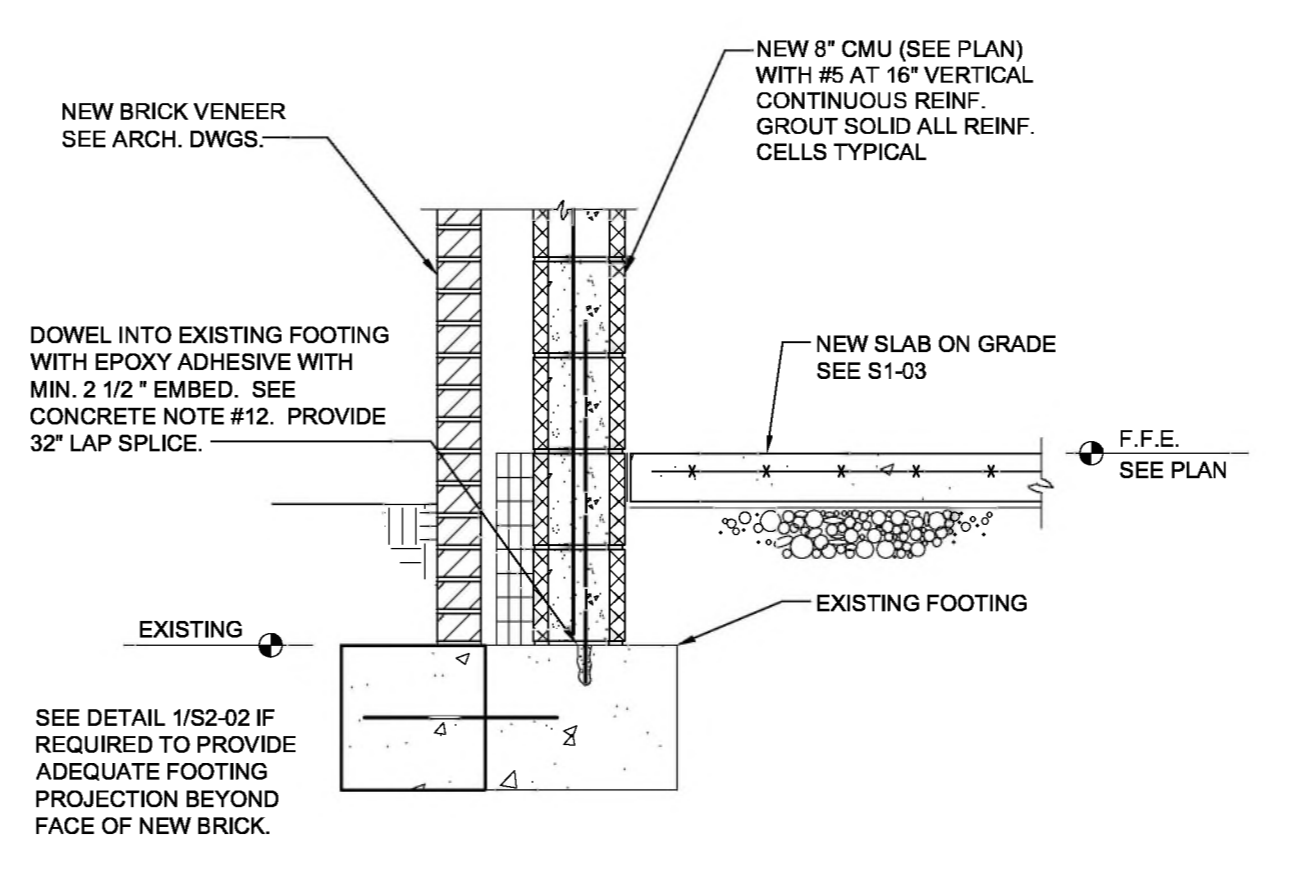
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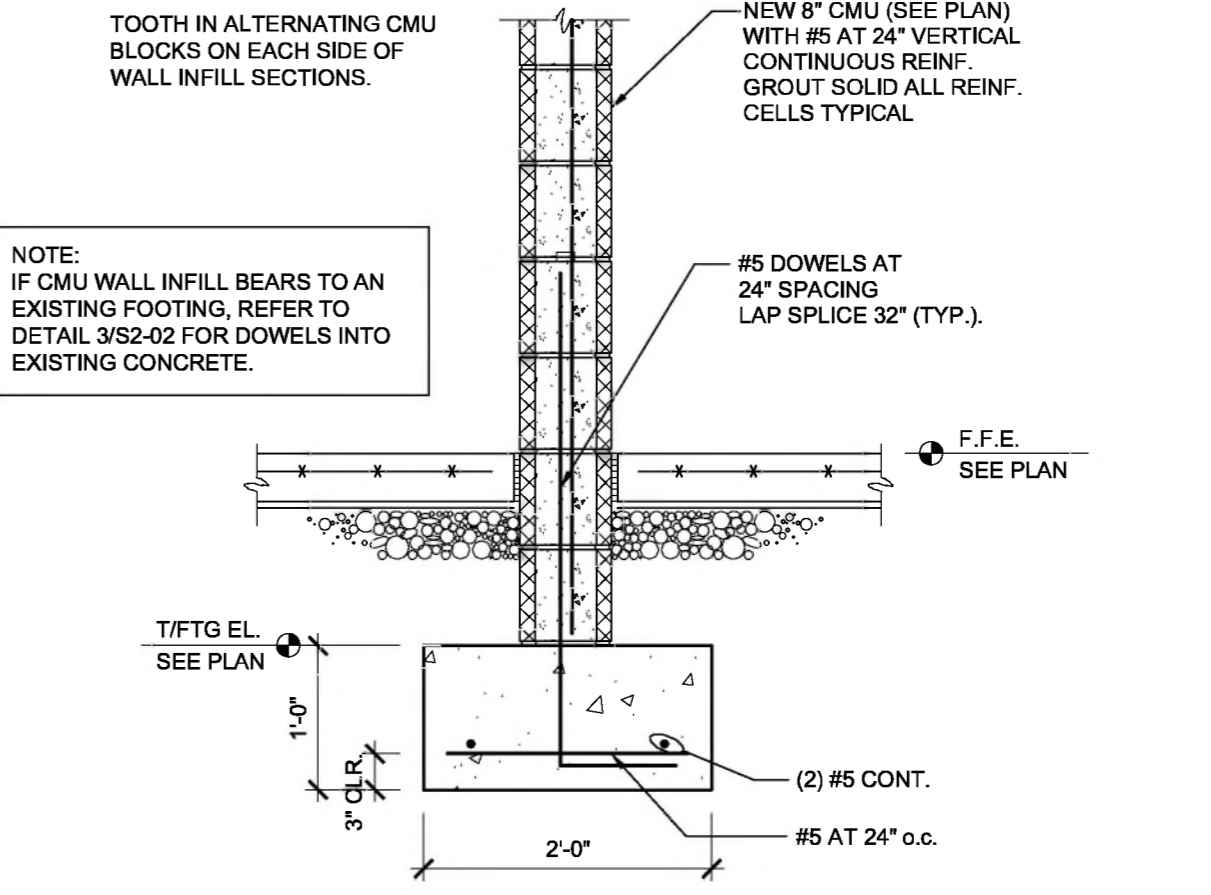
1 TYPICAL FOOTING EXTENSION
S2-02 3/4" = 1'-0" NEW BRICK VENEER



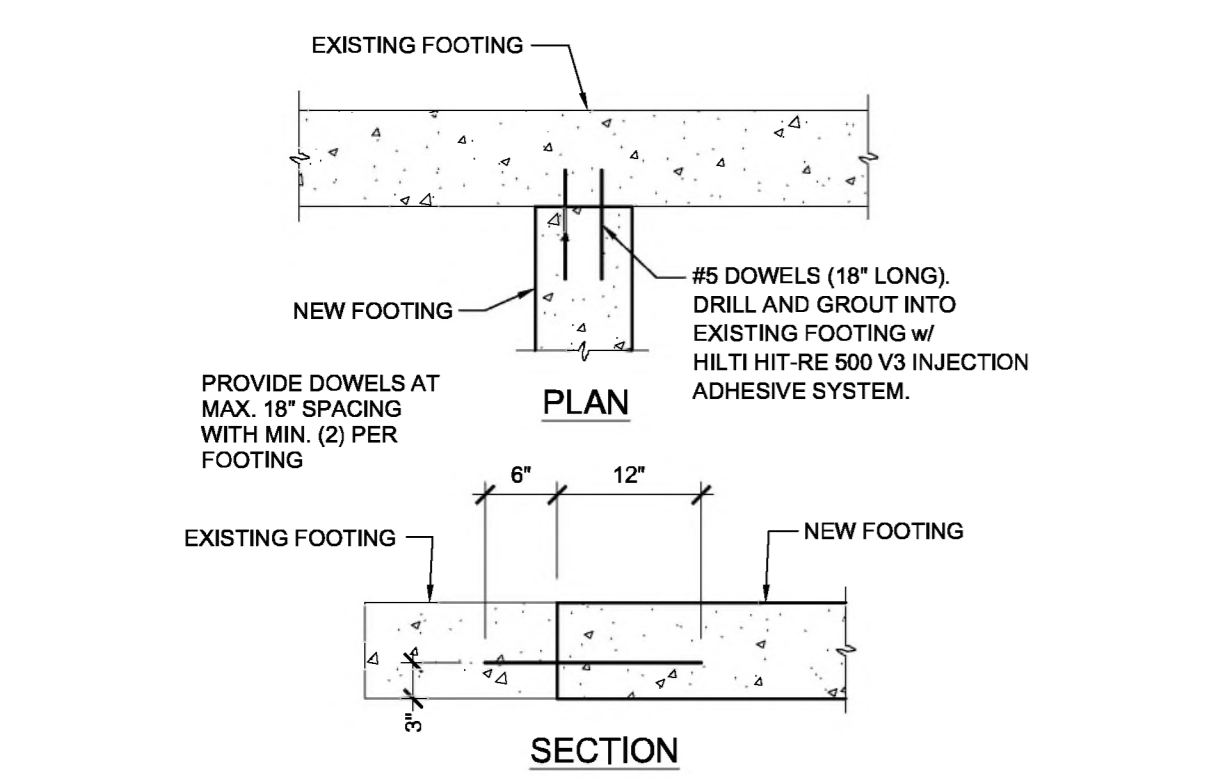
2 DETAIL - NEW CMU AT EXISTING WALL
S2-02 3/4" = 1'-0"



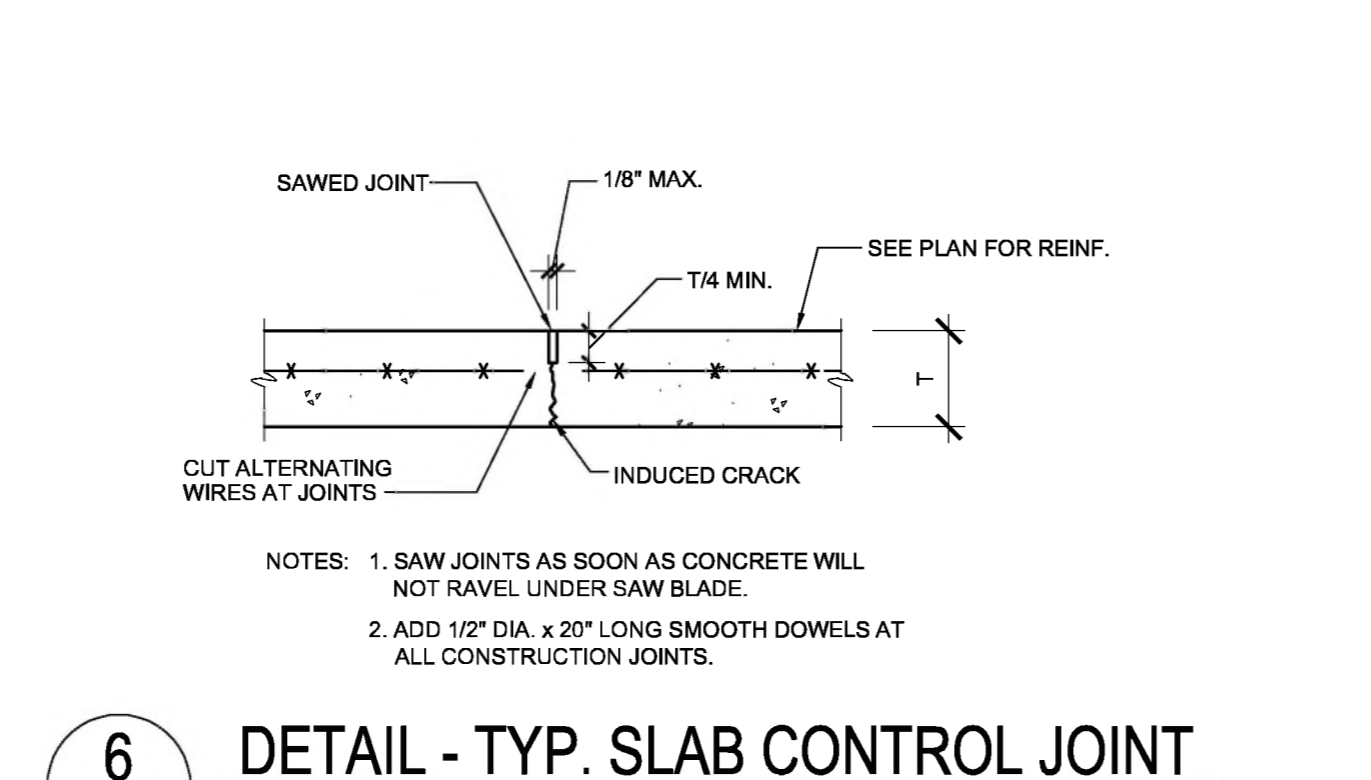
3 DETAIL - NEW EXTERIOR CMU WALL
S2-02 3/4" = 1'-0"



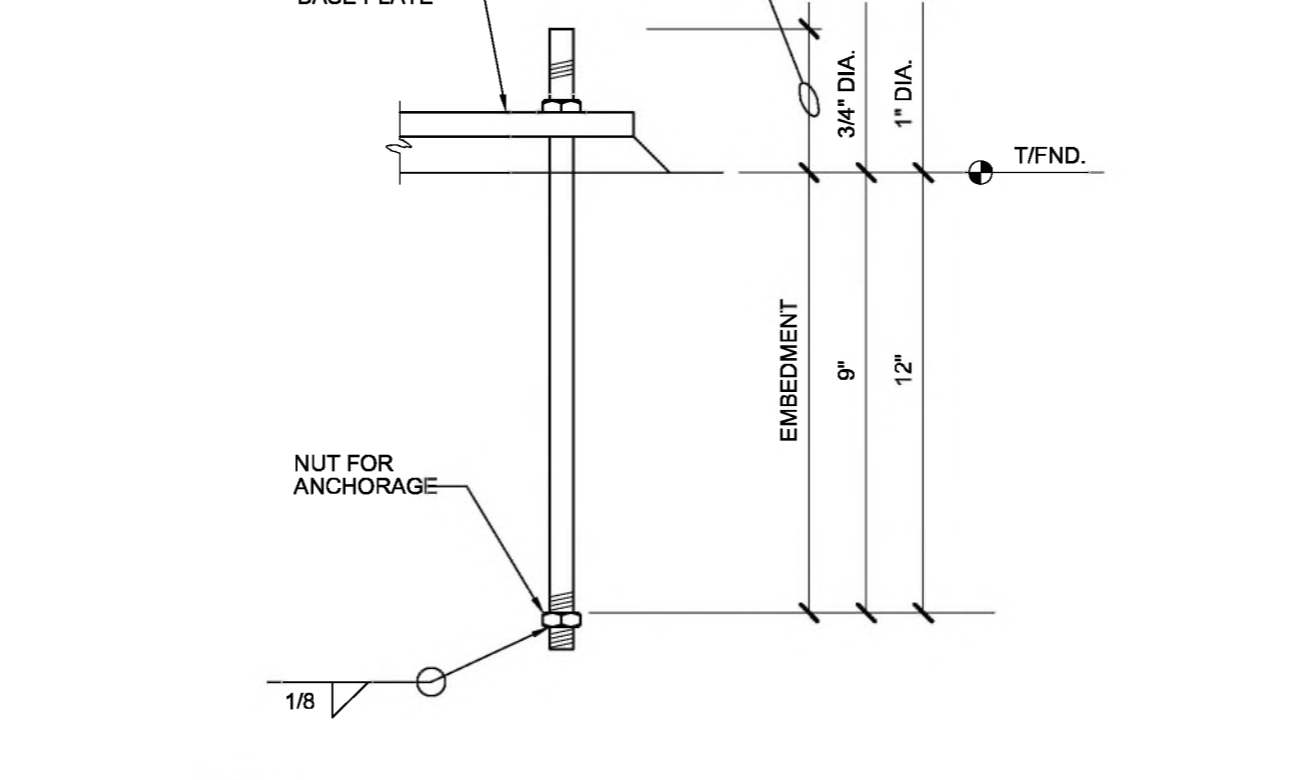
4 INTERIOR CMU WALL INFILL
S2-02 3/4" = 1'-0"



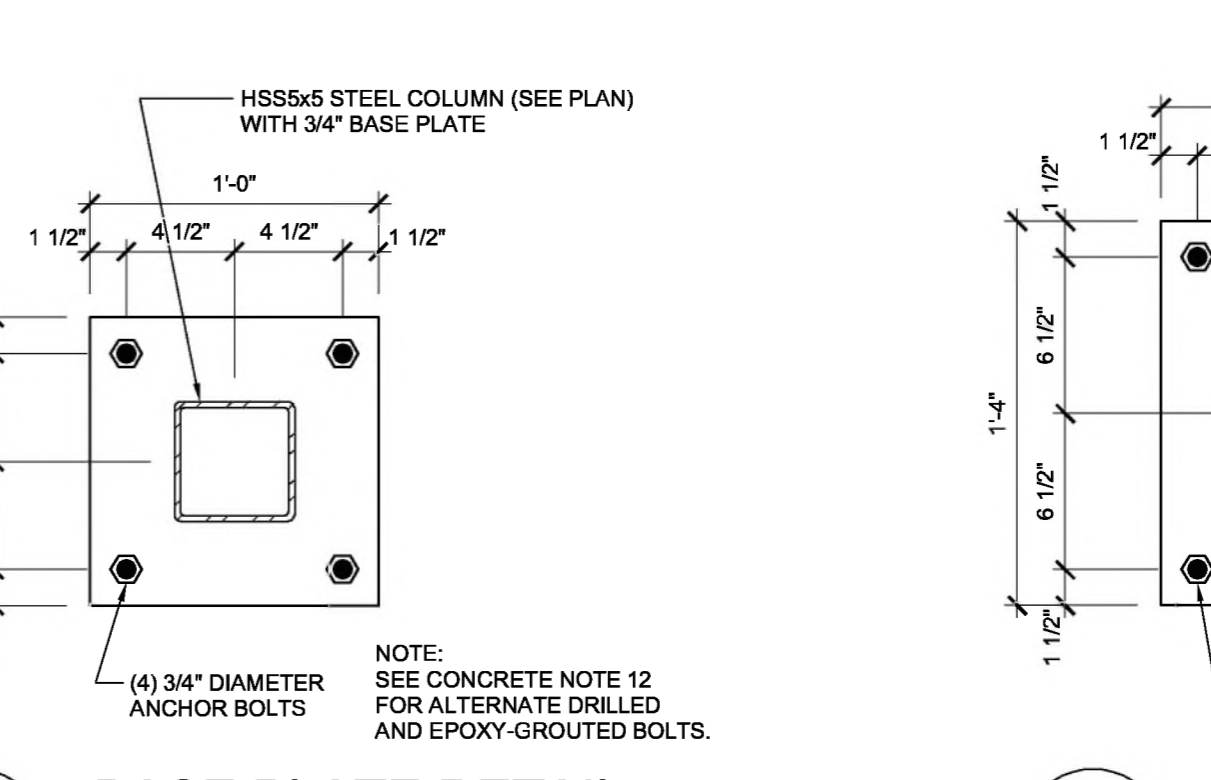
5 TYP. FOOTING TIE-IN DETAIL
S2-02 3/4" = 1'-0"



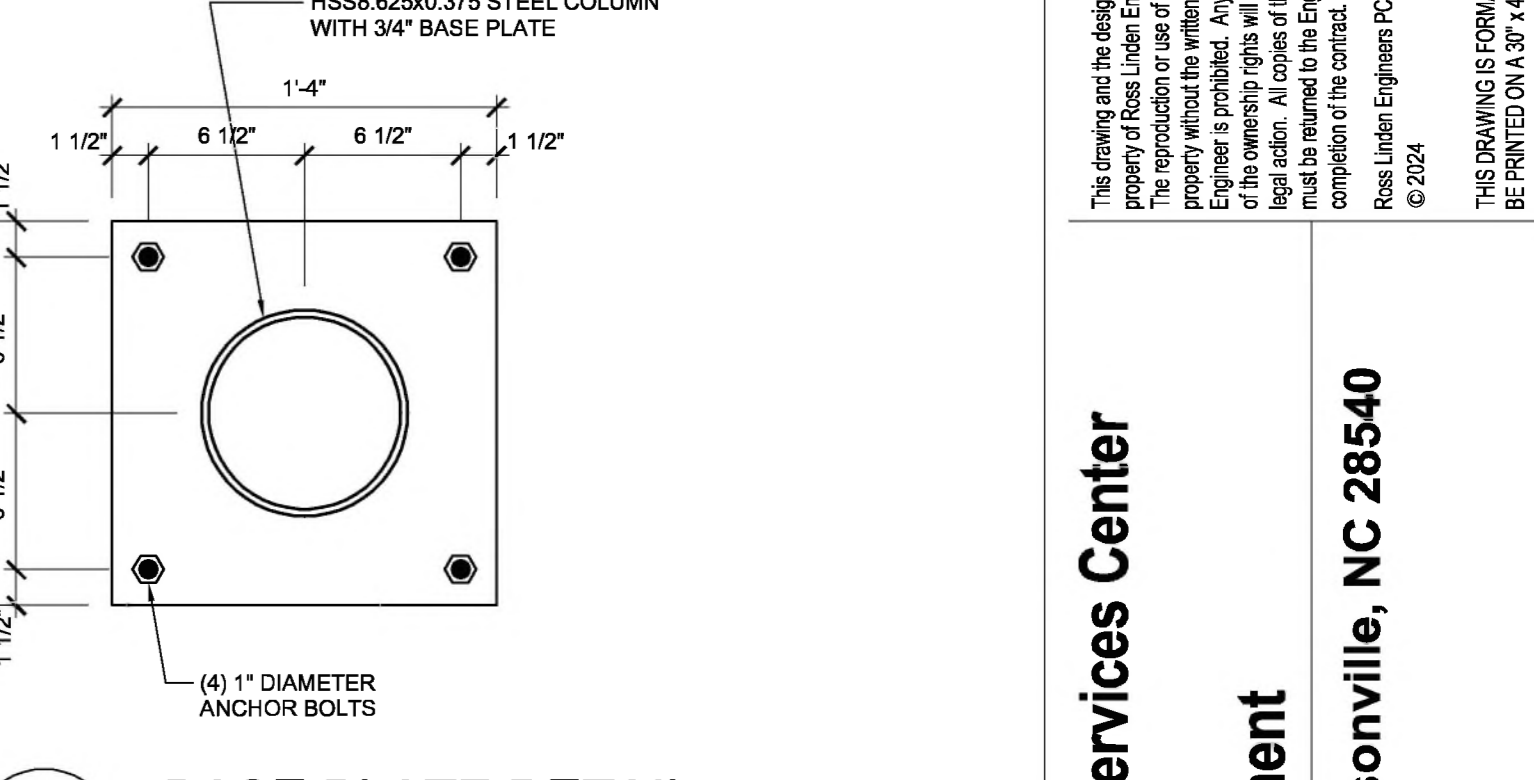
6 DETAIL - TYP. SLAB CONTROL JOINT
S2-02 1" = 1'-0"



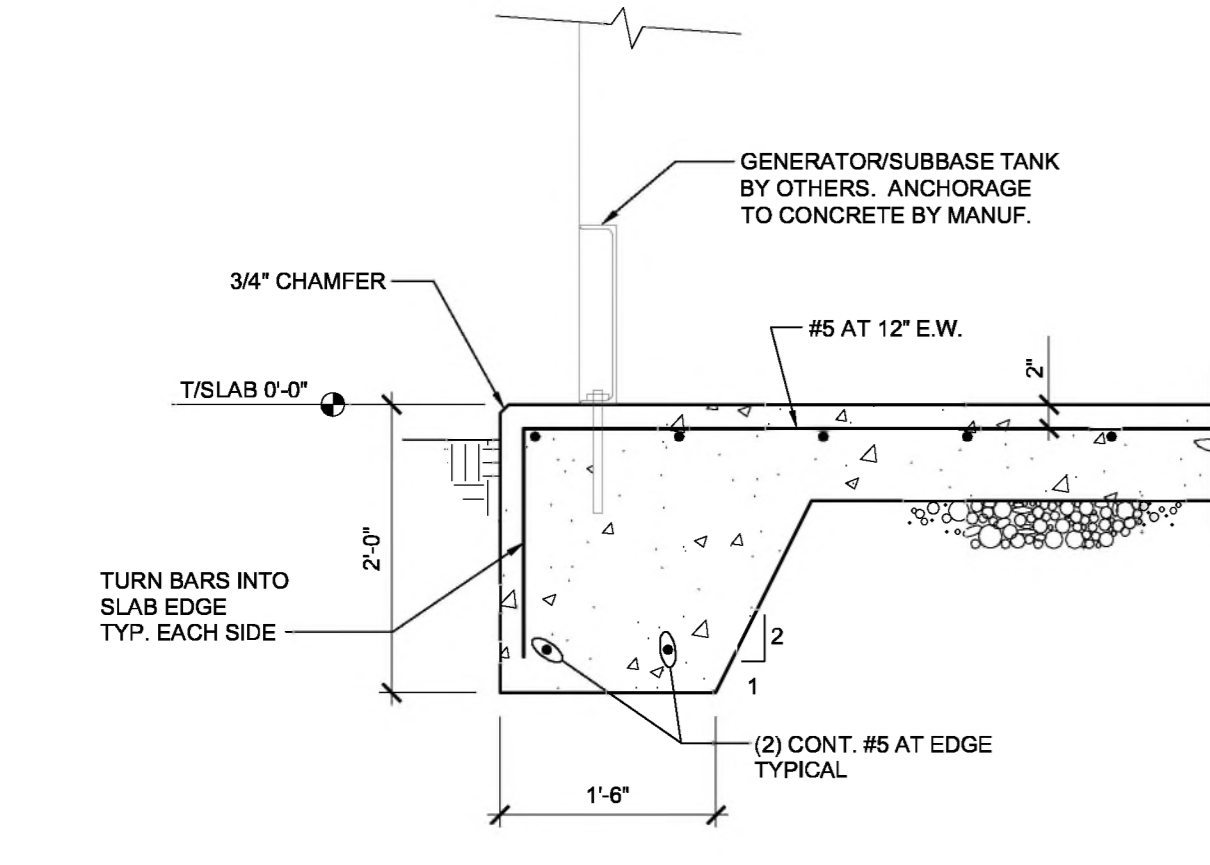
7 TYP. ANCHOR BOLT DETAIL
S2-02 NO SCALE



8A BASE PLATE DETAIL
S2-02 1 1/2" = 1'-0"



8B BASE PLATE DETAIL
S2-02 1 1/2" = 1'-0"



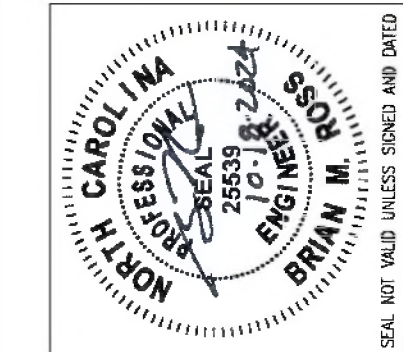
9 SECTION - GENERATOR FOUNDATION
S2-02 3/4" = 1'-0" ALTERNATE 1

DRAWN BY: BR
CHECKED BY: BR/JG

SECTIONS &
DETAILS

C230906 16 OCT. 2024

S2-02



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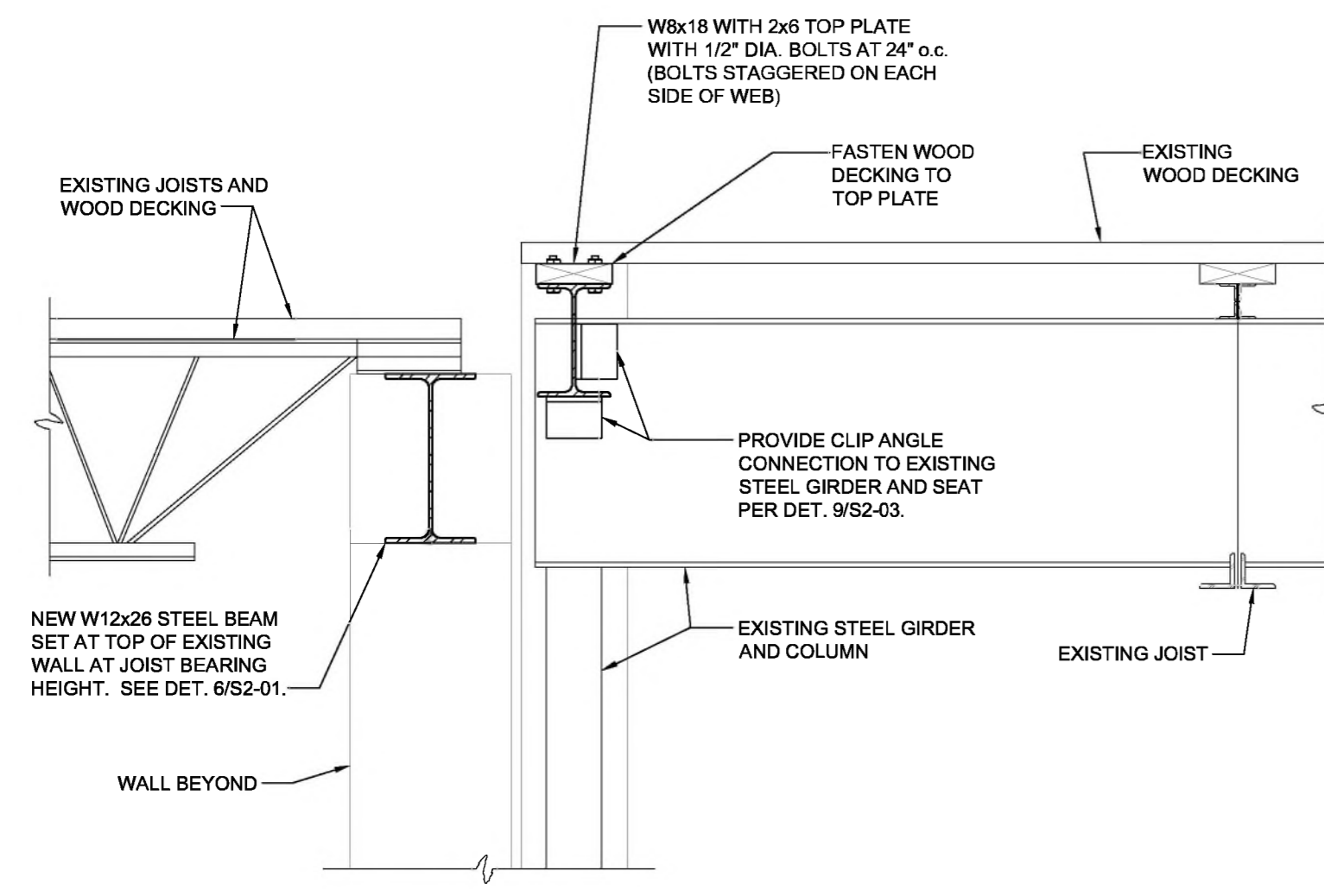
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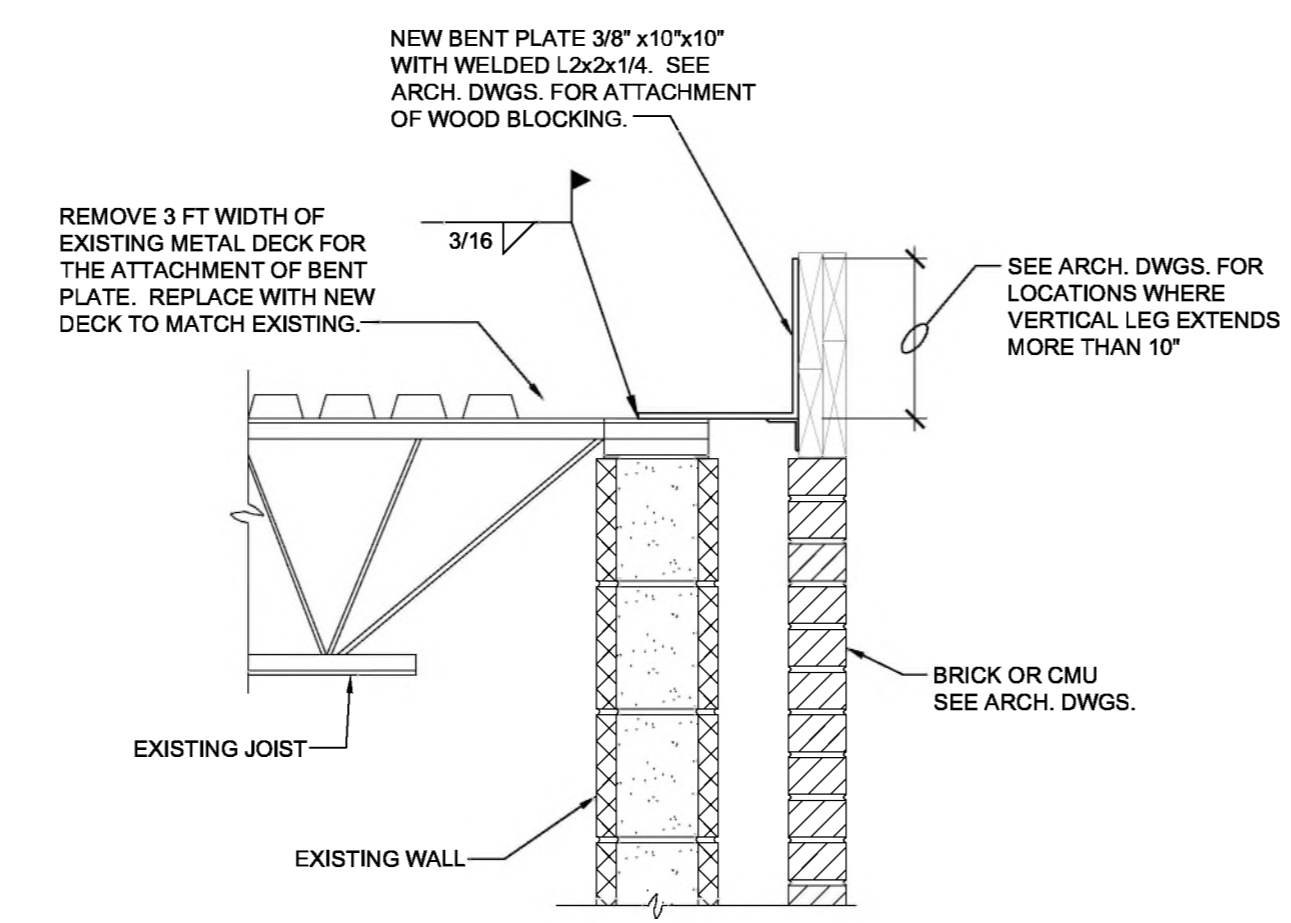
SECTIONS &
DETAILS

C230906 16 OCT. 2024

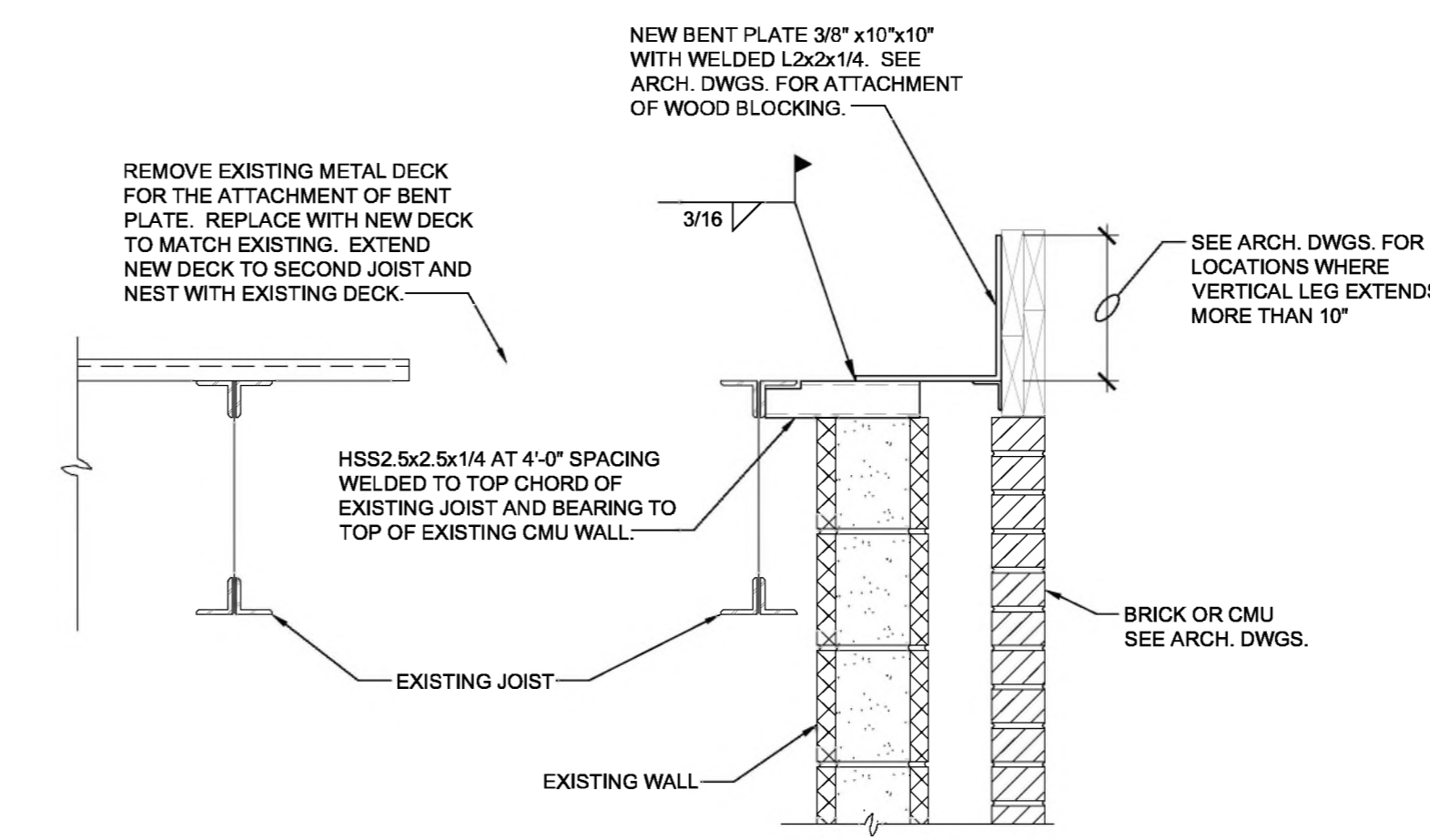
S2-04



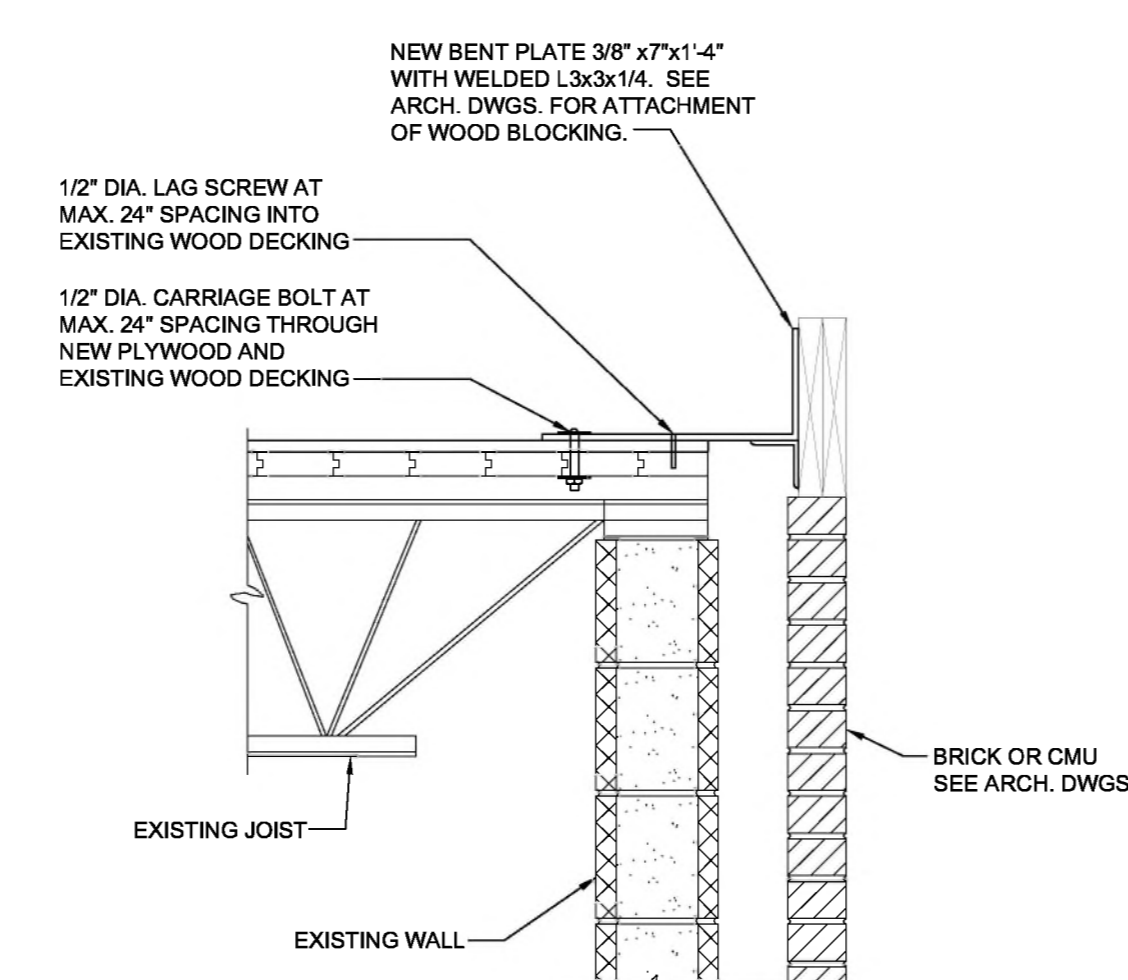
1 FRAMING SECTION
S2-04 1" = 1'-0"



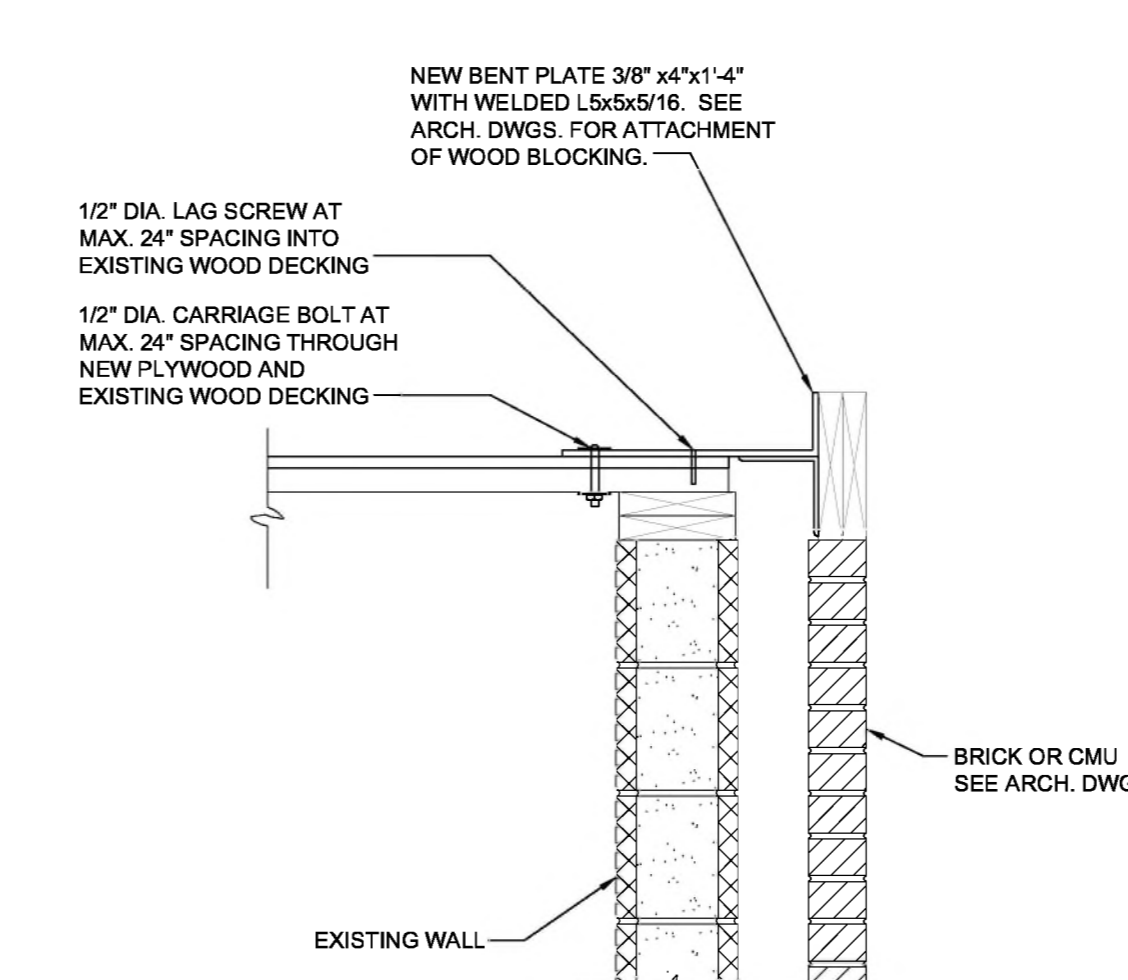
2 ROOF EDGE STEEL DETAIL
S2-04 1" = 1'-0" JOISTS BEARING TO WALL



3 ROOF EDGE STEEL DETAIL
S2-04 1" = 1'-0" JOISTS PARALLEL TO WALL



4 ROOF EDGE STEEL DETAIL
S2-04 1" = 1'-0" JOISTS BEARING TO WALL - WOOD DECKING



5 ROOF EDGE STEEL DETAIL
S2-04 1" = 1'-0" JOISTS PARALLEL TO WALL - WOOD DECKING

GENERAL DEMOLITION NOTES:

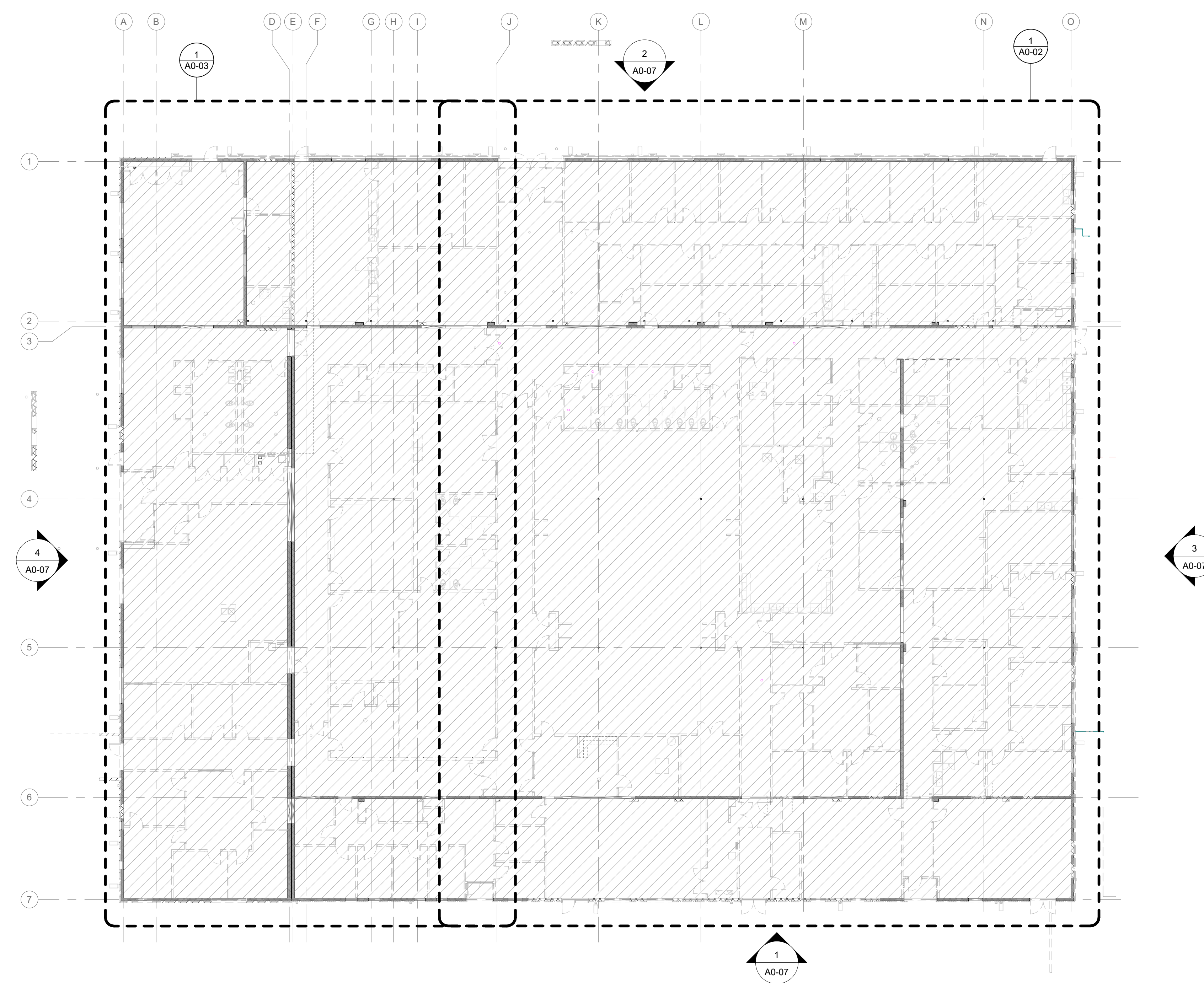
- DEMOLISH AND REMOVE EXISTING CONSTRUCTION, INCLUDING ALL WALLS, DOORS, WINDOWS, FINISHES, PLUMBING, MECHANICAL, ELECTRICAL, FIRE SUPPRESSION, FIRE ALARM, COMMUNICATIONS TO THE STRUCTURAL ELEMENTS (COLUMNS, CMU WALLS, ROOF FRAMING, ROOF DECK) AND CONCRETE SLAB TO REMAIN UNLESS OTHERWISE NOTED.
- ALL CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR WHERE DEMOLITION IS TO OCCUR. THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY INCONSISTENCIES IN WRITING PRIOR TO STARTING ANY WORK.
- ANY FLOOR, CEILING, WALL OR OTHER MATERIALS INCLUDING FINISHES IN AREAS TO REMAIN ARE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT. ANY MATERIALS DAMAGED DURING CONSTRUCTION OR DEMOLITION, SHALL BE RETURNED TO THEIR ORIGINAL STATE, OR IMPROVED AS INDICATED BY THE OWNER OR ARCHITECT, OR REPLACED WITH A NEW MATERIAL TO MATCH ADJACENT MATERIALS, TYPICAL.
- CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN.
- REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL AND COMPLETE SCOPE OF DEMOLITION THAT MAY OR MAY NOT BE NOTED ON THE ARCHITECTURAL DEMOLITION PLAN AND NOTES.
- CONTRACTOR SHALL REMOVE ALL WALL MOUNTED FIXTURES OR ITEMS UNLESS OTHERWISE NOTED. ALL WALLS TO REMAIN SHALL BE REPAIRED, AND VOIDS FILLED AFTER FIXTURE REMOVAL.
- ALL FIXTURES, WALLS AND PORTIONS OF WALLS SHOWN AS DASHED LINES OR LABELED SHALL BE DEMOLISHED UNLESS ELEMENTS REMOVED OR REPLACED. CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING AND IS RESPONSIBLE FOR ANY FAILURE DUE TO LACK OF PROPER BRACING.
- CONTRACTOR SHALL PATCH AND FILL IN ANY VOIDS LEFT FROM THE DEMOLITION OF ANY PLUMBING, MECHANICAL, OR ELECTRICAL ITEMS. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR COMPLETE SCOPE OF DEMOLITION.
- CONCRETE CUT IS DIAGRAMMATIC. ALL EXISTING DOMESTIC WATER PIPING AND EXISTING SANITARY PIPING ABOVE SLAB AND BELOW SLAB SHALL BE REMOVED IN AREA OF DEMOLITION. REFER TO PLUMBING DRAWINGS FOR EXTENTS OF DEMOLITION WORK.
- REMOVE EXISTING ROOF ASSEMBLY (INCLUDING GUTTERS AND DOWNSPOUTS) TO ROOF DECK UNLESS OTHERWISE INDICATED.

DEMOLITION SPECIFIC AREA NOTES:

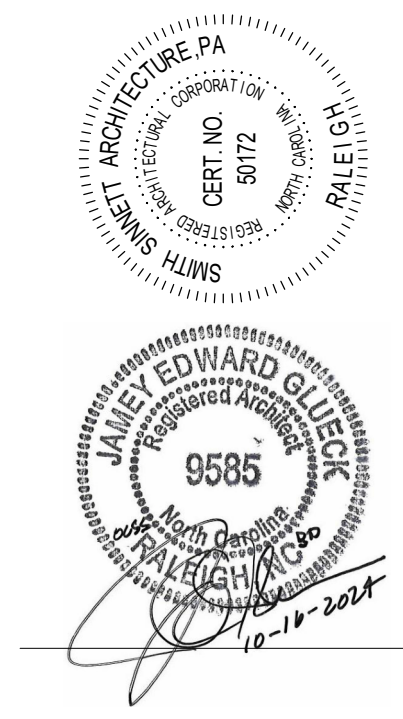
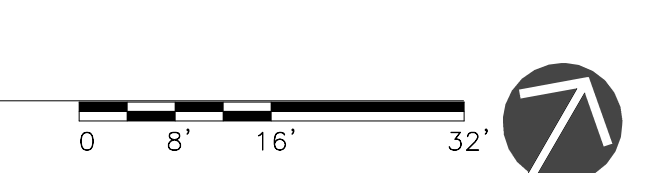
- | | |
|---|---|
| 1 | REMOVE EXISTING CMU WALL TO THE EXTENTS SHOWN. SHORE EXISTING STRUCTURAL AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. DEMOLITION SHALL BE SUFFICIENT ENOUGH TO INSTALL A NEW LINTEL OVER THE OPENINGS. PATCH AND REPAIR SURROUNDING MASONRY AS NECESSARY. REFER TO STRUCTURAL FOR LINTEL DETAIL. |
| 2 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY. PREP AREA TO RECEIVE NEW CONCRETE SLAB, VAPOR BARRIER AND DRAINAGE FILL. COORDINATE FINAL LOCATION OF CUT WITH STRUCTURAL, PLUMBING, AND ELECTRICAL AND OTHER TRADES AS REQUIRED. CONCRETE CUT IS DIAGRAMMATIC. CONTRACTOR SHALL CUT AS REQUIRED FOR NEW WORK SHOWN. COORDINATE WITH ALL TRADES FOR COMPLETE SIZE, LOCATION, AND EXTENTS OF SLAB CUTS. REFER TO STRUCTURAL FOR NEW SLAB DETAILS. |
| 3 | CUT EXISTING ROOF, ROOF DECK, AS NECESSARY FOR NEW OPENING. FRAME OPENING AS INDICATED BY STRUCTURAL. REFER TO DRAWINGS FOR EXACT LOCATION AND SIZE OF OPENING. |
| 4 | REMOVE EXISTING ROOF ASSEMBLY (WOOD ROOF FRAMING, DECK, NAILERS, ROOF MEMBRANE, INSULATION) TO THE EXTENTS SHOWN. CUTS SHOWN ARE DIAGRAMMATIC. SHORE EXISTING STRUCTURE AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. REFER TO STRUCTURAL FOR NEW FRAMING. |
| 5 | REMOVE EXISTING WALL ASSEMBLY TO THE FACE OF CMU WALL ASSEMBLY SHALL BE REMOVED FROM TOP OF FOOTING TO TOP OF CMU WALL. UON, CMU TO REMAIN. |

DEMOLITION LEGEND:

SYMBOL	DESCRIPTION
	EXISTING CMU WALL TO REMAIN
	EXISTING STRUCTURAL ELEMENT TO REMAIN
	EXISTING CMU WALL TO BE REMOVED
	EXISTING SLAB TO BE REMOVED
	EXISTING ROOF DECK TO BE REMOVED
	EXISTING TO BE REMOVED DURING DEMOLITION



1
A0-01 **OVERALL DEMOLITION FLOOR PLAN**
1/16" = 1'-0"



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**Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540**

ID	DATE	DESCRIPTION

DRAWN BY: RM, FA
CHECKED BY: JEG

**OVERALL
DEMOLITION
FLOOR PLAN**

GENERAL DEMOLITION NOTES:

- DEMOLISH AND REMOVE EXISTING CONSTRUCTION, INCLUDING ALL WALLS, DOORS, WINDOWS, FINISHES, PLUMBING, MECHANICAL, ELECTRICAL, FIRE SUPPRESSION, FIRE ALARM, COMMUNICATIONS TO THE STRUCTURAL ELEMENTS (COLUMNS, CMU WALLS, ROOF FRAMING, ROOF DECK) AND CONCRETE SLAB TO REMAIN UNLESS OTHERWISE NOTED.
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- REMOVE EXISTING ROOF ASSEMBLY (INCLUDING GUTTERS AND DOWNSPOUTS) TO ROOF DECK UNLESS OTHERWISE INDICATED.

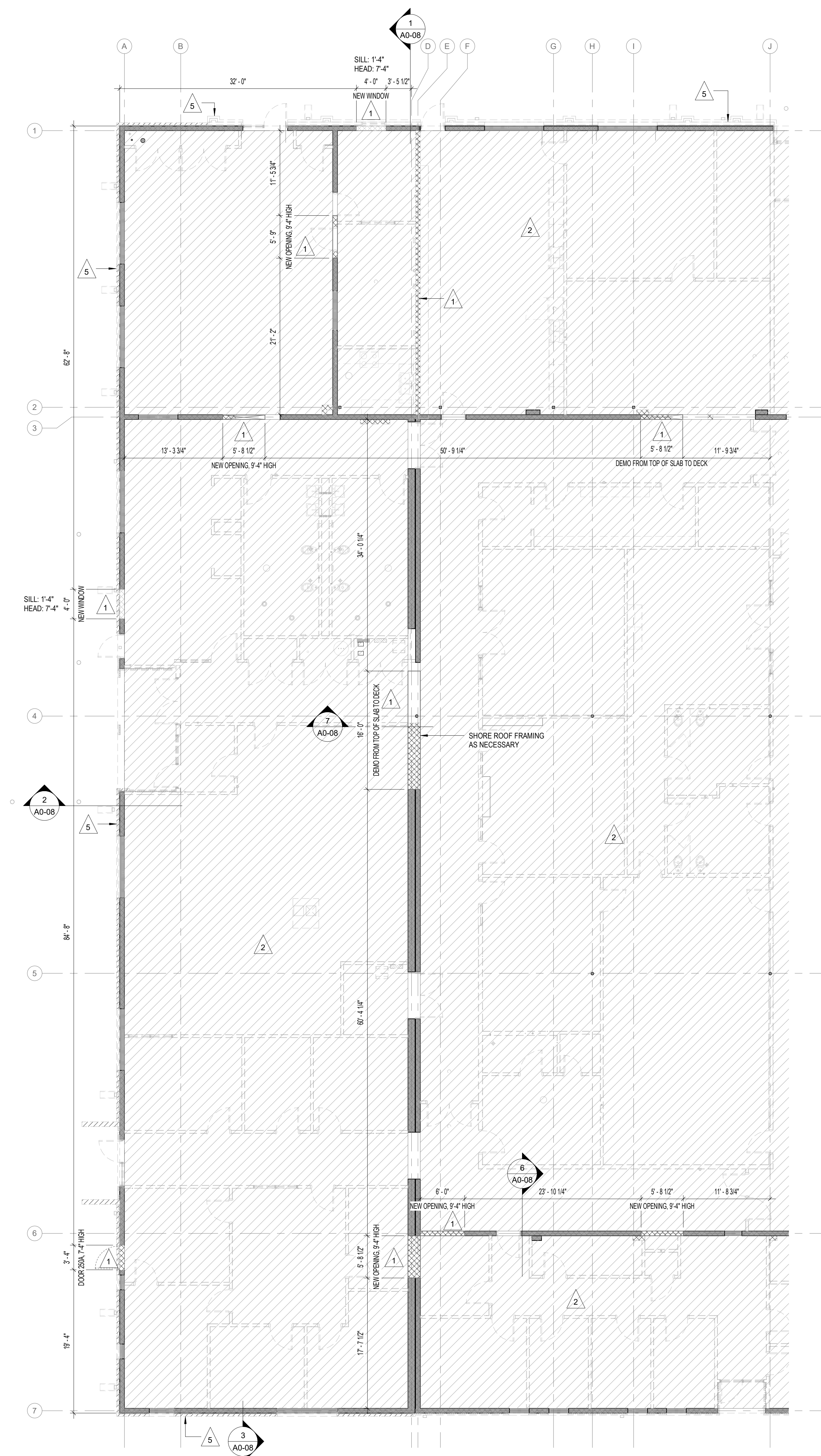
DEMOLITION SPECIFIC AREA NOTES:

- | | |
|---|---|
| 1 | REMOVE EXISTING CMU WALL TO THE EXTENTS SHOWN. SHORE EXISTING STRUCTURAL AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. DEMOLITION SHALL BE SUFFICIENT ENOUGH TO INSTALL A NEW LINTEL OVER THE OPENINGS. PATCH AND REPAIR SURROUNDING MASONRY AS NECESSARY. REFER TO STRUCTURAL FOR LINTEL DETAIL. |
| 2 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY. PREP AREA TO RECEIVE NEW CONCRETE SLAB, VAPOR BARRIER AND DRAINAGE FILL. COORDINATE FINAL LOCATION OF CUT WITH STRUCTURAL, PLUMBING, AND ELECTRICAL AND OTHER TRADES AS REQUIRED. CONCRETE CUT IS DIAGRAMMATIC. CONTRACTOR SHALL CUT AS REQUIRED FOR NEW WORK SHOWN. COORDINATE WITH ALL TRADES FOR COMPLETE SIZE, LOCATION, AND EXTENTS OF SLAB CUTS. REFER TO STRUCTURAL FOR NEW SLAB DETAILS. |
| 3 | CUT EXISTING ROOF, ROOF DECK, AS NECESSARY FOR NEW OPENING. FRAME OPENING AS INDICATED BY STRUCTURAL. REFER TO DRAWINGS FOR EXACT LOCATION AND SIZE OF OPENING. |
| 4 | REMOVE EXISTING ROOF ASSEMBLY (WOOD ROOF FRAMING, DECK, NAILERS, ROOF MEMBRANE, INSULATION) TO THE EXTENTS SHOWN. CUTS SHOWN ARE DIAGRAMMATIC. SHORE EXISTING STRUCTURE AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. REFER TO STRUCTURAL FOR NEW FRAMING. |
| 5 | REMOVE EXISTING WALL ASSEMBLY TO THE FACE OF CMU WALL ASSEMBLY SHALL BE REMOVED FROM TOP OF FOOTING TO TOP OF CMU WALL. UON, CMU TO REMAIN. |

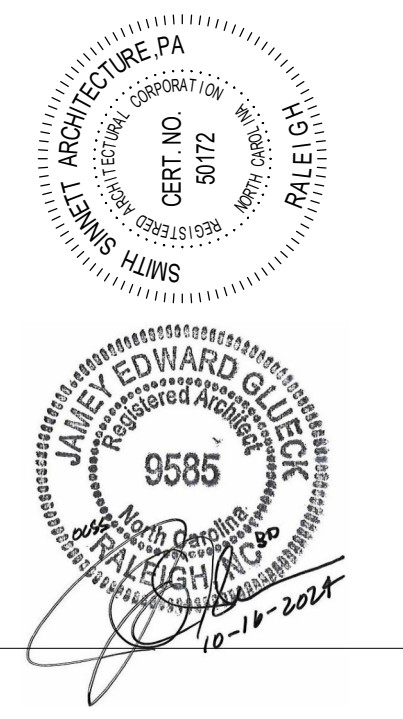
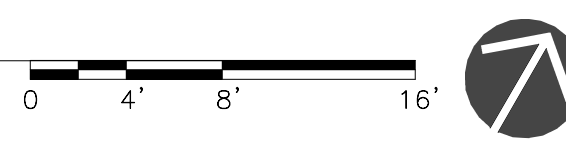
DEMOLITION LEGEND:

SYMBOL	DESCRIPTION
	EXISTING CMU WALL TO REMAIN
	EXISTING STRUCTURAL ELEMENT TO REMAIN
	EXISTING CMU WALL TO BE REMOVED
	EXISTING SLAB TO BE REMOVED
	EXISTING ROOF DECK TO BE REMOVED
	EXISTING TO BE REMOVED DURING DEMOLITION

BRICK, CMU, FOUNDATIONS AND ALL ASSOCIATED COMPONENTS TO BE DEMOLISHED IN THEIR ENTIRETY



1
A0-03 DEMOLITION FLOOR PLAN - AREA B
1/8" = 1'-0"



BID DOCUMENTS

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Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540**

ID	DATE	DESCRIPTION

DRAWN BY: FA
CHECKED BY: JEG

DEMO FLOOR PLAN
- AREA B

C:\Users\jgostall\Documents\2024\2024 OC Senior Services - Facade\SEKIS.rvt 10/23/2024 7:58:05 AM

GENERAL DEMOLITION NOTES:

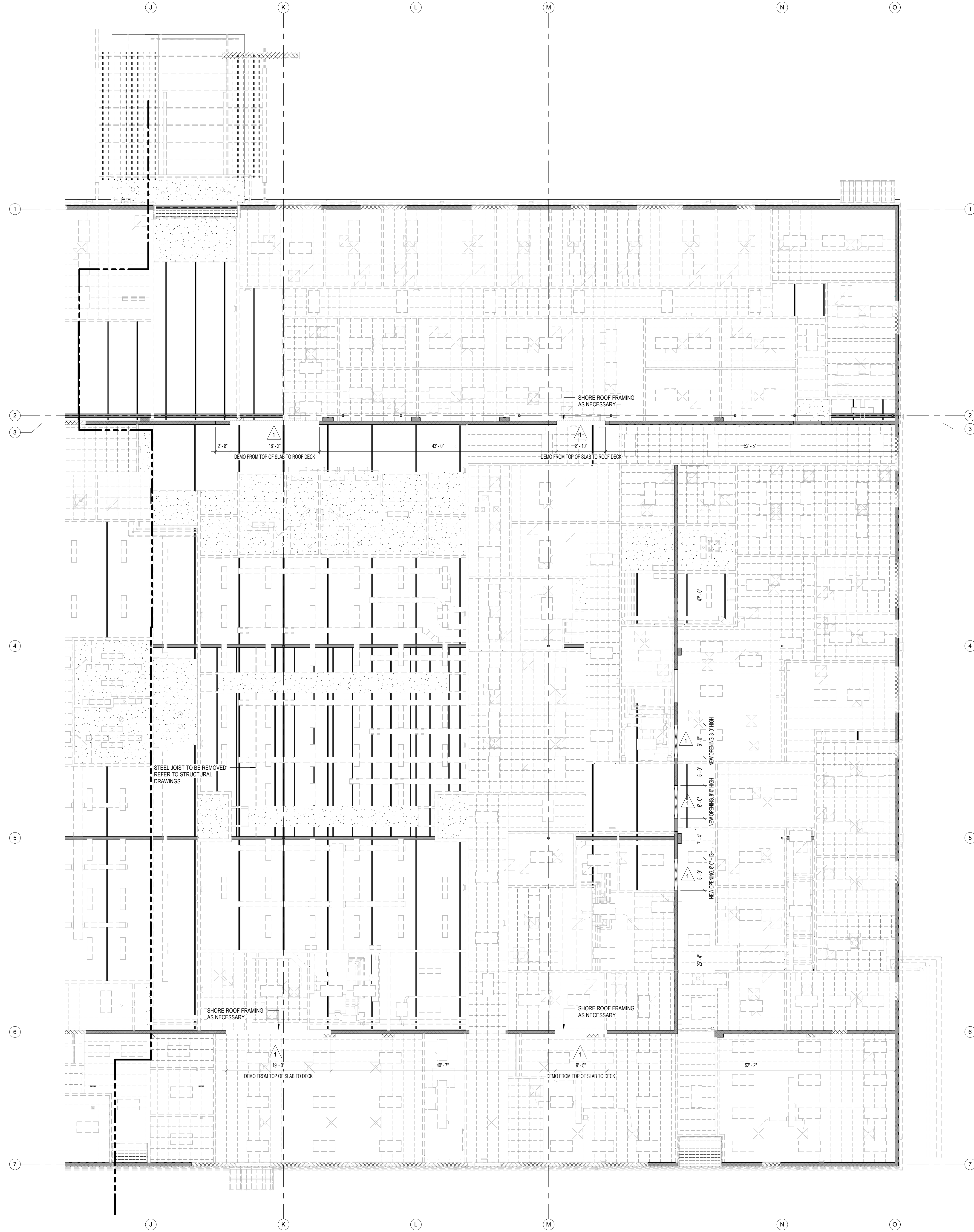
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DEMOLITION SPECIFIC AREA NOTES:

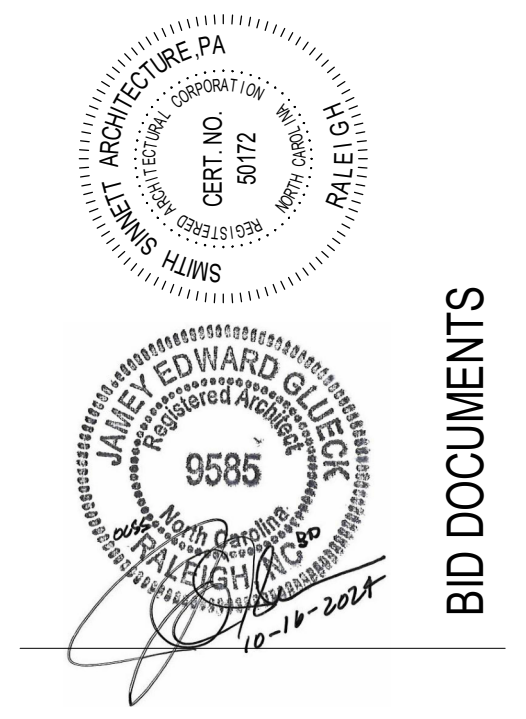
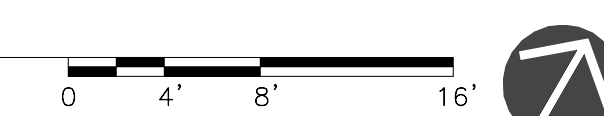
- | | |
|---|---|
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| 2 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY. PREP AREA TO RECEIVE NEW CONCRETE SLAB, VAPOR BARRIER AND DRAINAGE FILL. COORDINATE FINAL LOCATION OF CUT WITH STRUCTURAL, PLUMBING, AND ELECTRICAL AND OTHER TRADES AS REQUIRED. CONCRETE CUT IS DIAGRAMMATIC. CONTRACTOR SHALL CUT AS REQUIRED FOR NEW WORK SHOWN. COORDINATE WITH ALL TRADES FOR COMPLETE SIZE, LOCATION, AND EXTENTS OF SLAB CUTS. REFER TO STRUCTURAL FOR NEW SLAB DETAILS. |
| 3 | CUT EXISTING ROOF, ROOF DECK, AS NECESSARY FOR NEW OPENING. FRAME OPENING AS INDICATED BY STRUCTURAL. REFER TO DRAWINGS FOR EXACT LOCATION AND SIZE OF OPENING. |
| 4 | REMOVE EXISTING ROOF ASSEMBLY (WOOD ROOF FRAMING, DECK, NAILERS, ROOF MEMBRANE, INSULATION) TO THE EXTENTS SHOWN. CUTS SHOWN ARE DIAGRAMMATIC. SHORE EXISTING STRUCTURE AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. REFER TO STRUCTURAL FOR NEW FRAMING. |
| 5 | REMOVE EXISTING WALL ASSEMBLY TO THE FACE OF CMU WALL ASSEMBLY SHALL BE REMOVED FROM TOP OF FOOTING TO TOP OF CMU WALL. UON, CMU TO REMAIN. |

DEMOLITION LEGEND:

SYMBOL	DESCRIPTION
	EXISTING CMU WALL TO REMAIN
	EXISTING STRUCTURAL ELEMENT TO REMAIN
	EXISTING CMU WALL TO BE REMOVED
	EXISTING SLAB TO BE REMOVED
	EXISTING ROOF DECK TO BE REMOVED
	EXISTING TO BE REMOVED DURING DEMOLITION



1
A0-04 DEMOLITION REFLECTED CEILING PLAN - AREA A
1/8" = 1'-0"



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**Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540**

ID	DATE	DESCRIPTION

DRAWN BY: RM,FA
CHECKED BY: JEG

**DEMOLITION
REFLECTED
CEILING PLAN -
AREA A**

2021029 16 OCT. 2024

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GENERAL DEMOLITION NOTES:

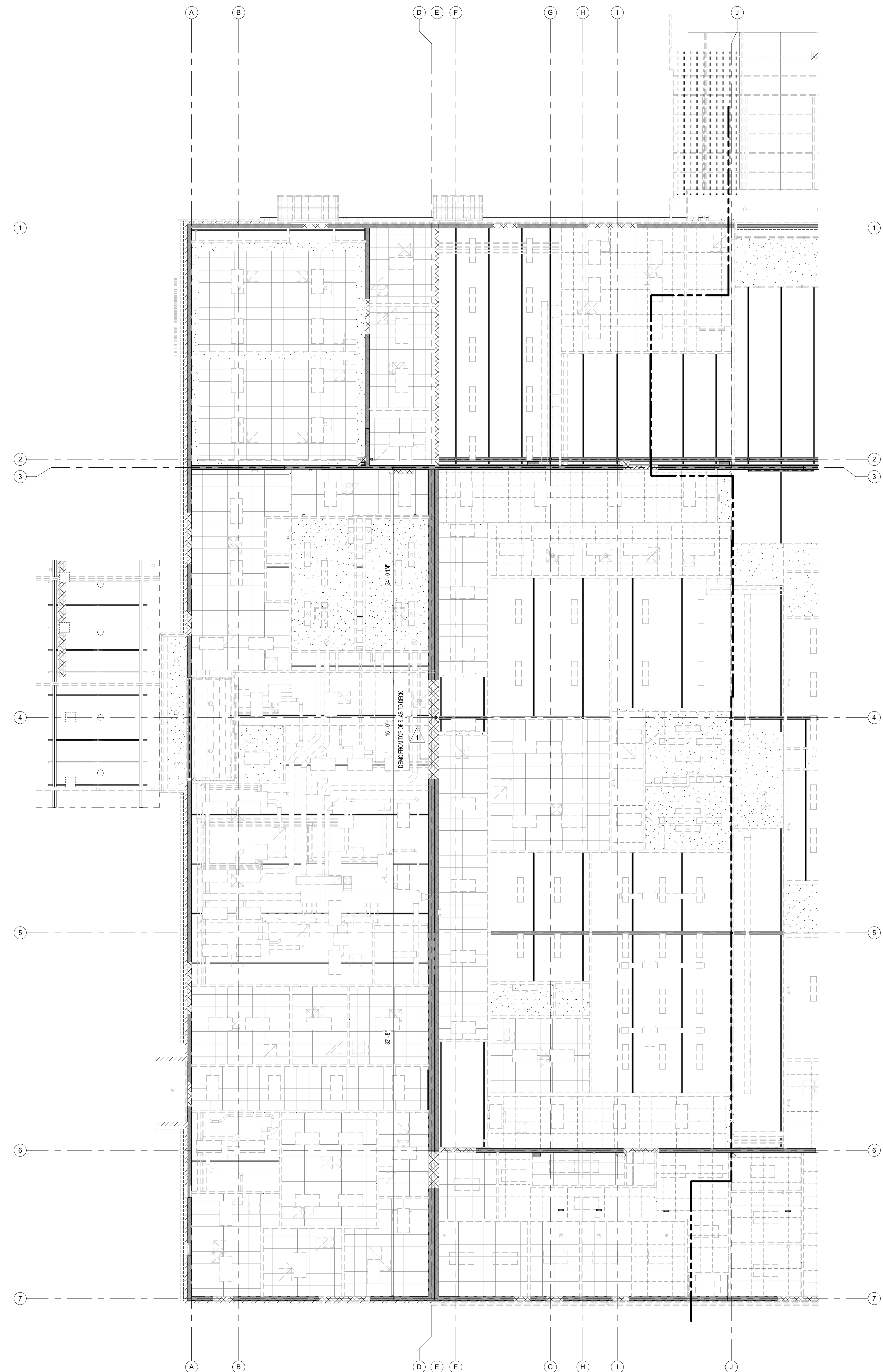
- DEMOLISH AND REMOVE EXISTING CONSTRUCTION, INCLUDING ALL WALLS, DOORS, WINDOWS, FINISHES, PLUMBING, MECHANICAL, ELECTRICAL, FIRE SUPPRESSION, FIRE ALARM, COMMUNICATIONS TO THE STRUCTURAL ELEMENTS (COLUMNS, CMU WALLS, ROOF FRAMING, ROOF DECK) AND CONCRETE SLAB TO REMAIN UNLESS OTHERWISE NOTED.
- ALL CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR WHERE DEMOLITION IS TO OCCUR. THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY INCONSISTENCIES IN WRITING PRIOR TO STARTING ANY WORK.
- ANY FLOOR, CEILING, WALL OR OTHER MATERIALS INCLUDING FINISHES IN AREAS TO REMAIN ARE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT. ANY MATERIALS DAMAGED DURING CONSTRUCTION OR DEMOLITION, SHALL BE RETURNED TO THEIR ORIGINAL STATE, OR IMPROVED AS INDICATED BY THE OWNER OR ARCHITECT, OR REPLACED WITH A NEW MATERIAL TO MATCH ADJACENT MATERIALS, TYPICAL.
- CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN.
- REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL AND COMPLETE SCOPE OF DEMOLITION THAT MAY OR MAY NOT BE NOTED ON THE ARCHITECTURAL DEMOLITION PLAN AND NOTES.
- CONTRACTOR SHALL REMOVE ALL WALL MOUNTED FIXTURES OR ITEMS UNLESS OTHERWISE NOTED. ALL WALLS TO REMAIN SHALL BE REPAIRED, AND VOIDS FILLED AFTER FIXTURE REMOVAL.
- ALL FIXTURES, WALLS AND PORTIONS OF WALLS SHOWN AS DASHED LINES OR LABELED SHALL BE DEMOLISHED UNLESS ELEMENTS REMOVED OR REPLACED. CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING AND IS RESPONSIBLE FOR ANY FAILURE DUE TO LACK OF PROPER BRACING.
- CONTRACTOR SHALL PATCH AND FILL IN ANY VOIDS LEFT FROM THE DEMOLITION OF ANY PLUMBING, MECHANICAL, OR ELECTRICAL ITEMS. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR COMPLETE SCOPE OF DEMOLITION.
- CONCRETE CUT IS DIAGRAMMATIC. ALL EXISTING DOMESTIC WATER PIPING AND EXISTING SANITARY PIPING ABOVE SLAB AND BELOW SLAB SHALL BE REMOVED IN AREA OF DEMOLITION. REFER TO PLUMBING DRAWINGS FOR EXTENTS OF DEMOLITION WORK.
- REMOVE EXISTING ROOF ASSEMBLY (INCLUDING GUTTERS AND DOWNSPOUTS) TO ROOF DECK UNLESS OTHERWISE INDICATED.

DEMOLITION SPECIFIC AREA NOTES:

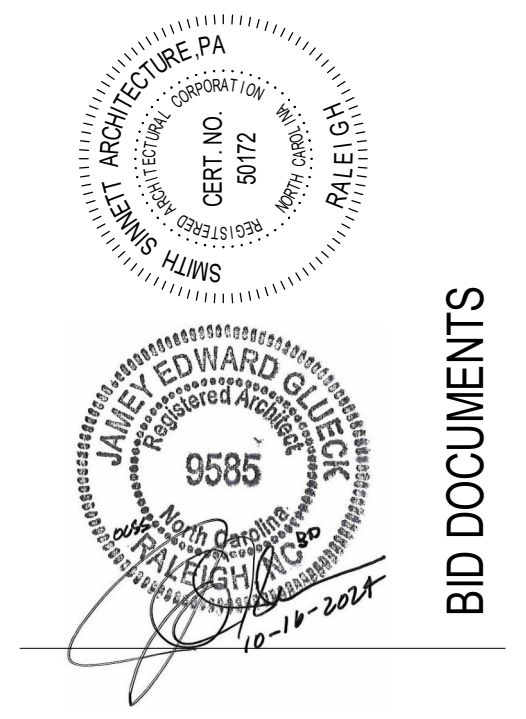
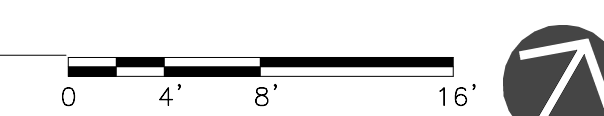
- REMOVE EXISTING CMU WALL TO THE EXTENTS SHOWN. SHORE EXISTING STRUCTURAL AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. DEMOLITION SHALL BE SUFFICIENT ENOUGH TO INSTALL A NEW LINTEL OVER THE OPENINGS. PATCH AND REPAIR SURROUNDING MASONRY AS NECESSARY. REFER TO STRUCTURAL FOR LINTEL DETAIL.
- REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY. PREP AREA TO RECEIVE NEW CONCRETE SLAB, VAPOR BARRIER AND DRAINAGE FILL. COORDINATE FINAL LOCATION OF CUT WITH STRUCTURAL, PLUMBING, AND ELECTRICAL AND OTHER TRADES AS REQUIRED. CONCRETE CUT IS DIAGRAMMATIC. CONTRACTOR SHALL CUT AS REQUIRED FOR NEW WORK SHOWN. COORDINATE WITH ALL TRADES FOR COMPLETE SIZE, LOCATION, AND EXTENTS OF SLAB CUTS. REFER TO STRUCTURAL FOR NEW SLAB DETAILS.
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DEMOLITION LEGEND:

SYMBOL	DESCRIPTION
	EXISTING CMU WALL TO REMAIN
	EXISTING STRUCTURAL ELEMENT TO REMAIN
	EXISTING CMU WALL TO BE REMOVED
	EXISTING SLAB TO BE REMOVED
	EXISTING ROOF DECK TO BE REMOVED
	EXISTING TO BE REMOVED DURING DEMOLITION



1
A0-05 DEMOLITION REFLECTED CEILING PLAN - AREA B
1/8" = 1'-0"



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Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540**

ID	DATE	DESCRIPTION

DRAWN BY: RM, FA, NB
CHECKED BY: JEG

DEMOLITION REFLECTED CEILING PLAN - AREA B
2021029 16 OCT. 2024

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GENERAL DEMOLITION NOTES:

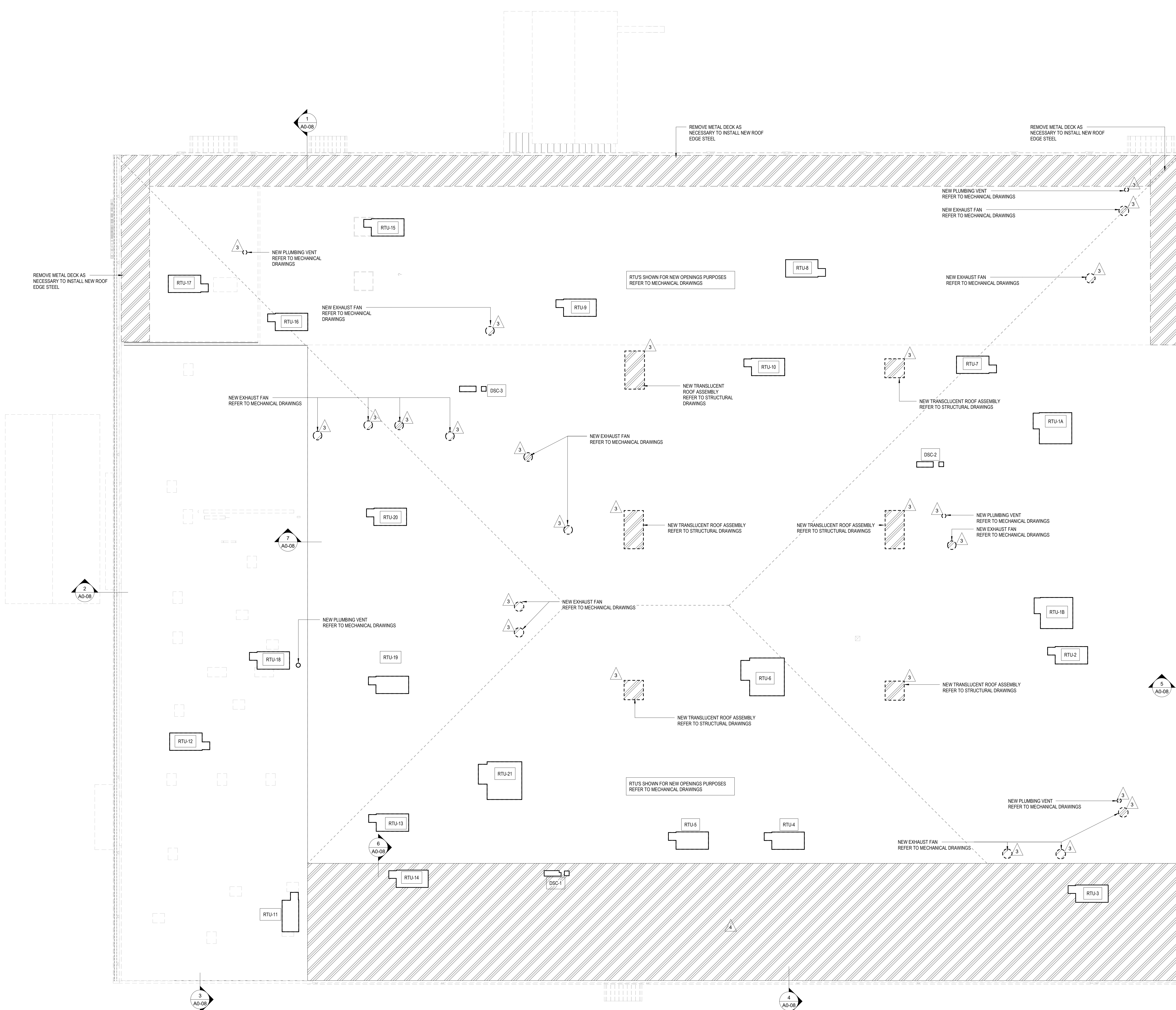
- DEMOLISH AND REMOVE EXISTING CONSTRUCTION, INCLUDING ALL WALLS, DOORS, WINDOWS, FINISHES, PLUMBING, MECHANICAL, ELECTRICAL, FIRE SUPPRESSION, FIRE ALARM, COMMUNICATIONS TO THE STRUCTURAL ELEMENTS (COLUMNS, CMU WALLS, ROOF FRAMING, ROOF DECK) AND CONCRETE SLAB TO REMAIN UNLESS OTHERWISE NOTED.
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- REMOVE EXISTING ROOF ASSEMBLY (INCLUDING GUTTERS AND DOWNSPOUTS) TO ROOF DECK UNLESS OTHERWISE INDICATED.

DEMOLITION SPECIFIC AREA NOTES:

- REMOVE EXISTING CMU WALL TO THE EXTENTS SHOWN, SHORE EXISTING STRUCTURAL AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. DEMOLITION SHALL BE SUFFICIENT ENOUGH TO INSTALL A NEW LINTEL OVER THE OPENINGS. PATCH AND REPAIR SURROUNDING MASONRY AS NECESSARY. REFER TO STRUCTURAL FOR LINTEL DETAIL.
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SYMBOL	DESCRIPTION
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	EXISTING CMU WALL TO BE REMOVED
	EXISTING SLAB TO BE REMOVED
	EXISTING ROOF DECK TO BE REMOVED
	EXISTING TO BE REMOVED DURING DEMOLITION



1
A0-06 **OVERALL ROOF DEMOLITION PLAN**
1/8" = 1'-0"

ID	DATE	DESCRIPTION

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GENERAL DEMOLITION NOTES:

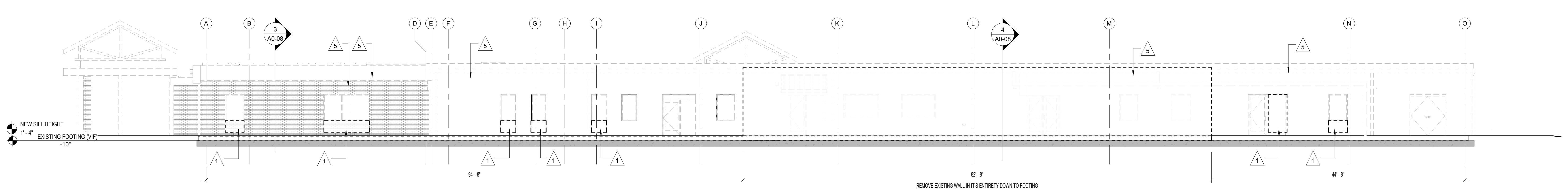
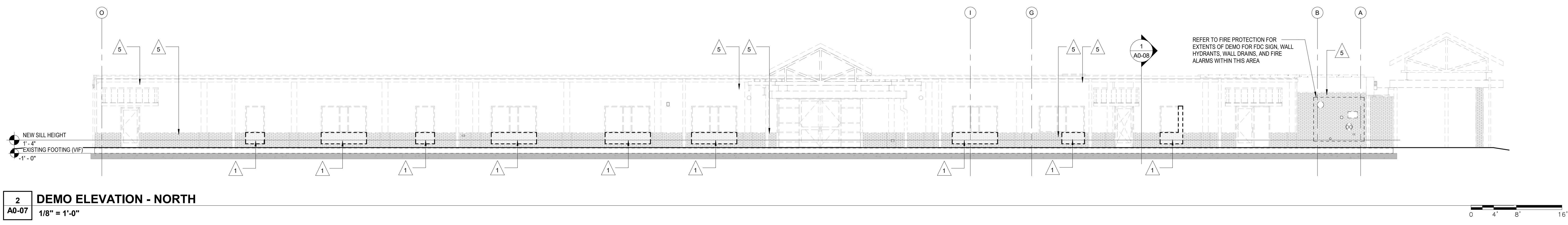
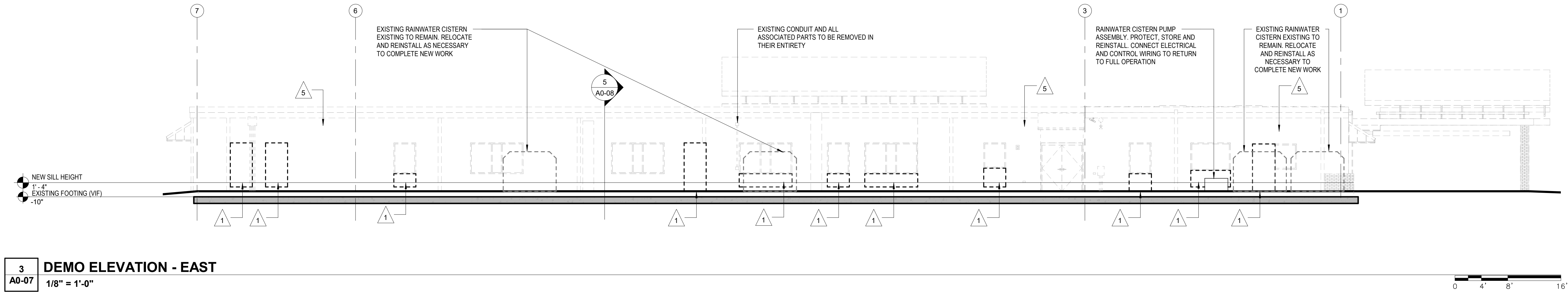
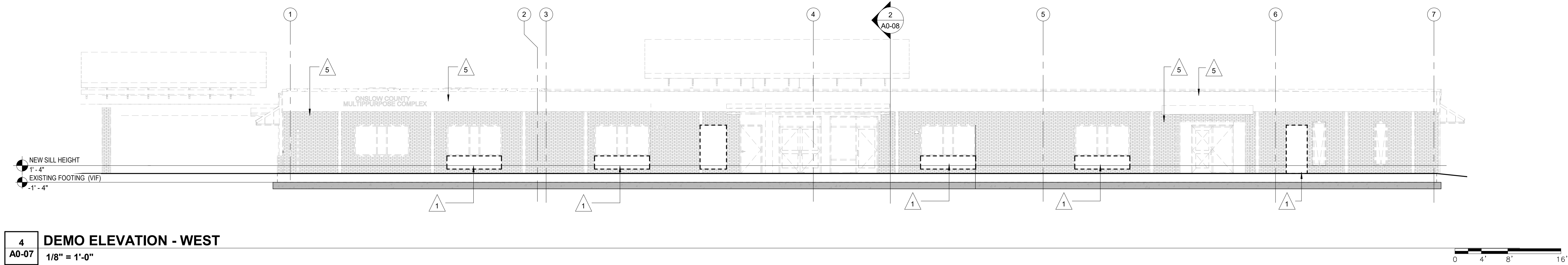
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DEMOLITION SPECIFIC AREA NOTES:

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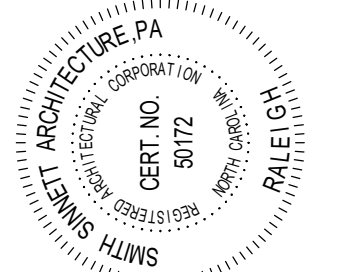
DEMOLITION LEGEND:

SYMBOL	DESCRIPTION
	EXISTING CMU WALL TO REMAIN
	EXISTING STRUCTURAL ELEMENT TO REMAIN
	EXISTING CMU WALL TO BE REMOVED
	EXISTING SLAB TO BE REMOVED
	EXISTING ROOF DECK TO BE REMOVED
	EXISTING TO BE REMOVED DURING DEMOLITION



ID	DATE	DESCRIPTION

C:\Users\jacob.d\Documents\2024\2024 OC Senior Services - Facade\SEK\1\1022024\2524-PA.rvt



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Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

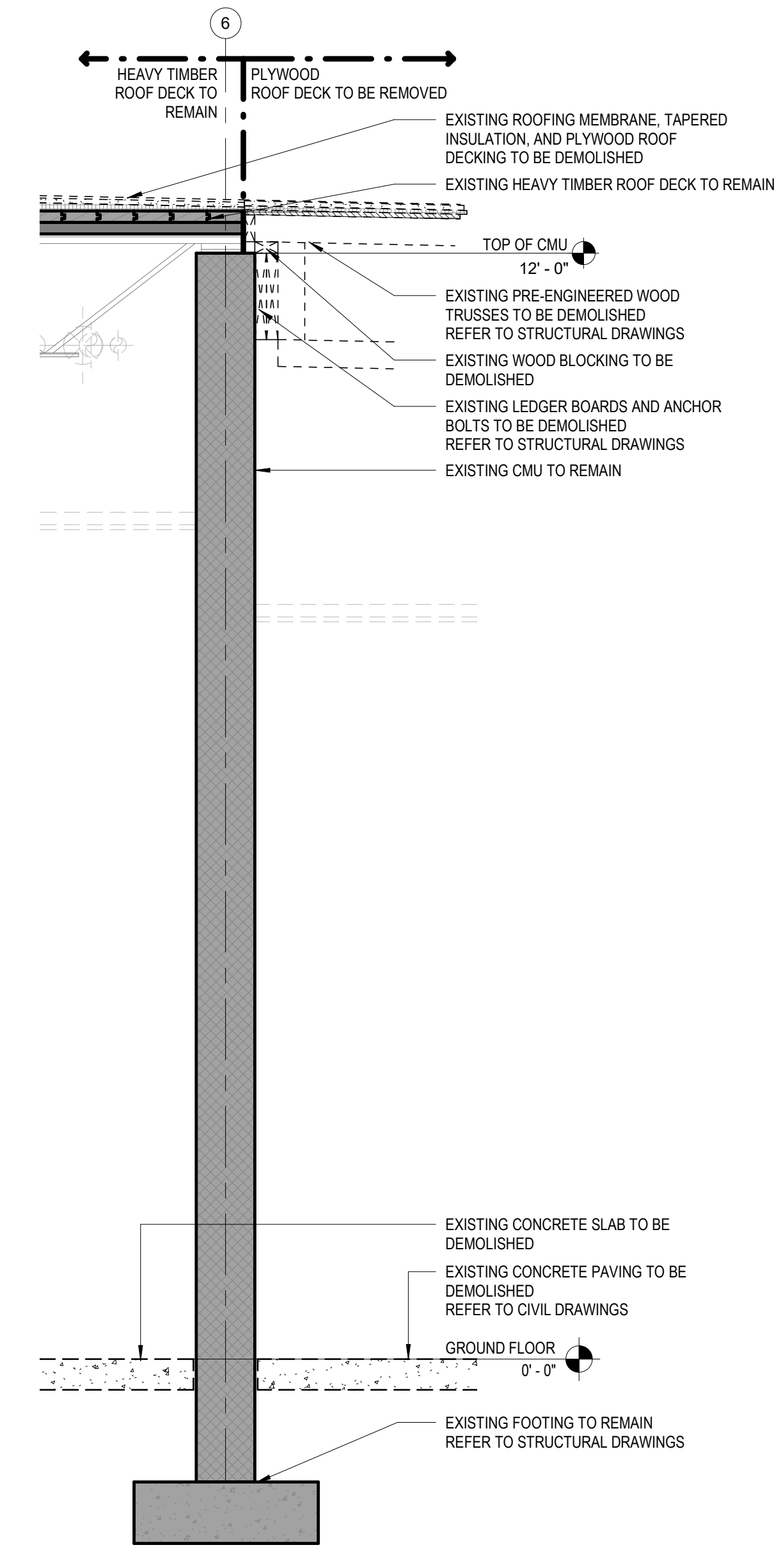
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CHECKED BY: JEG

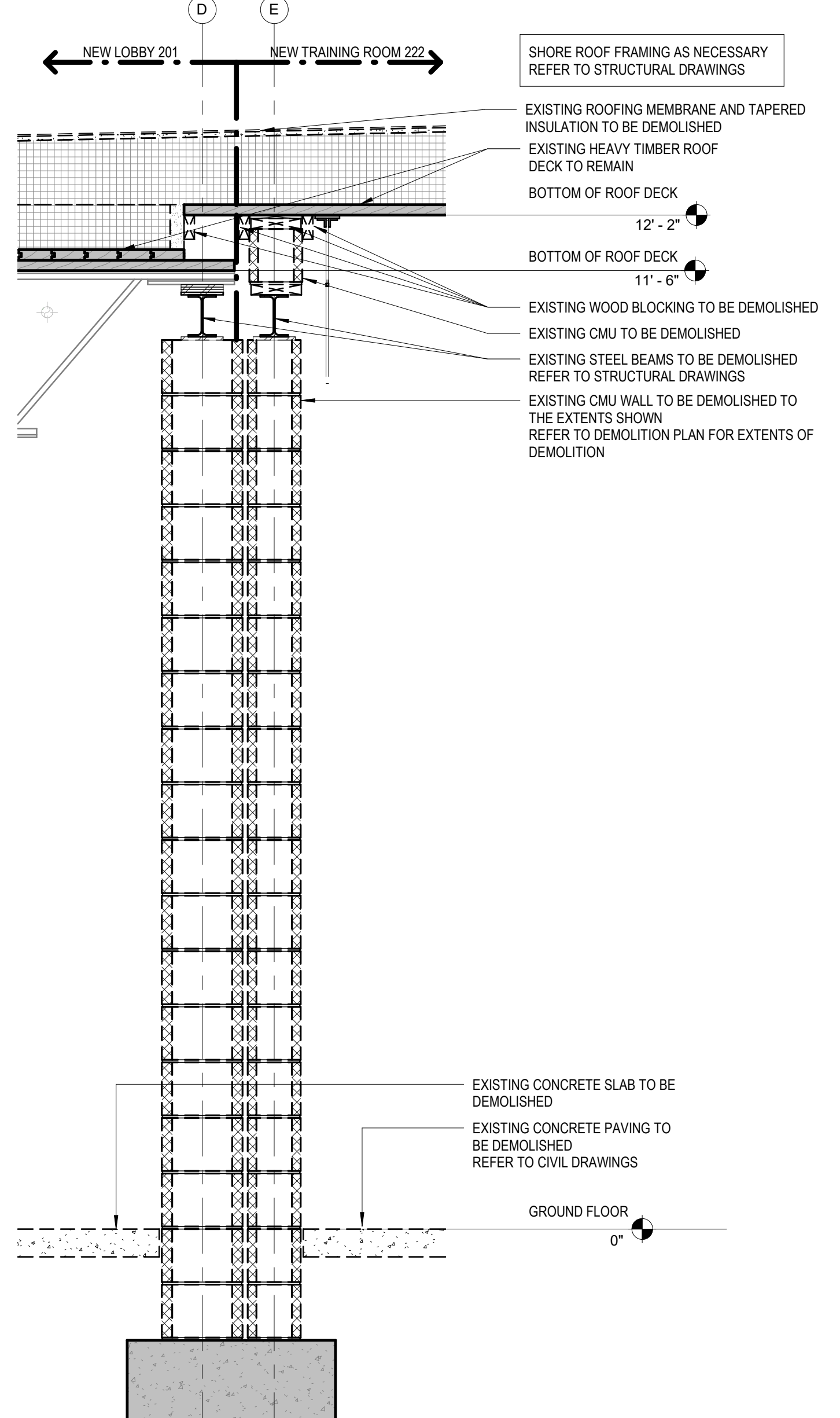
DEMO WALL SECTIONS

2021029 16 OCT. 2024

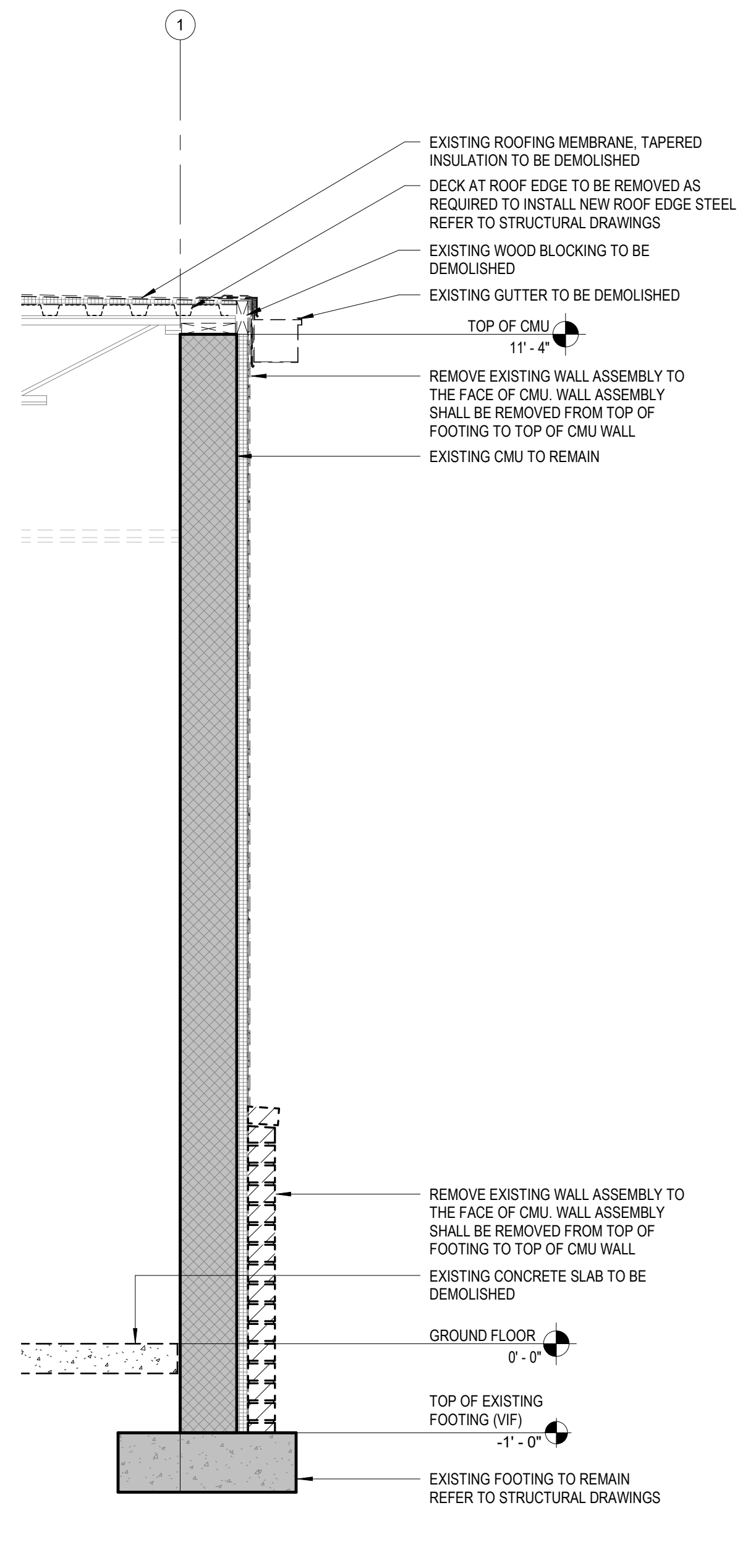
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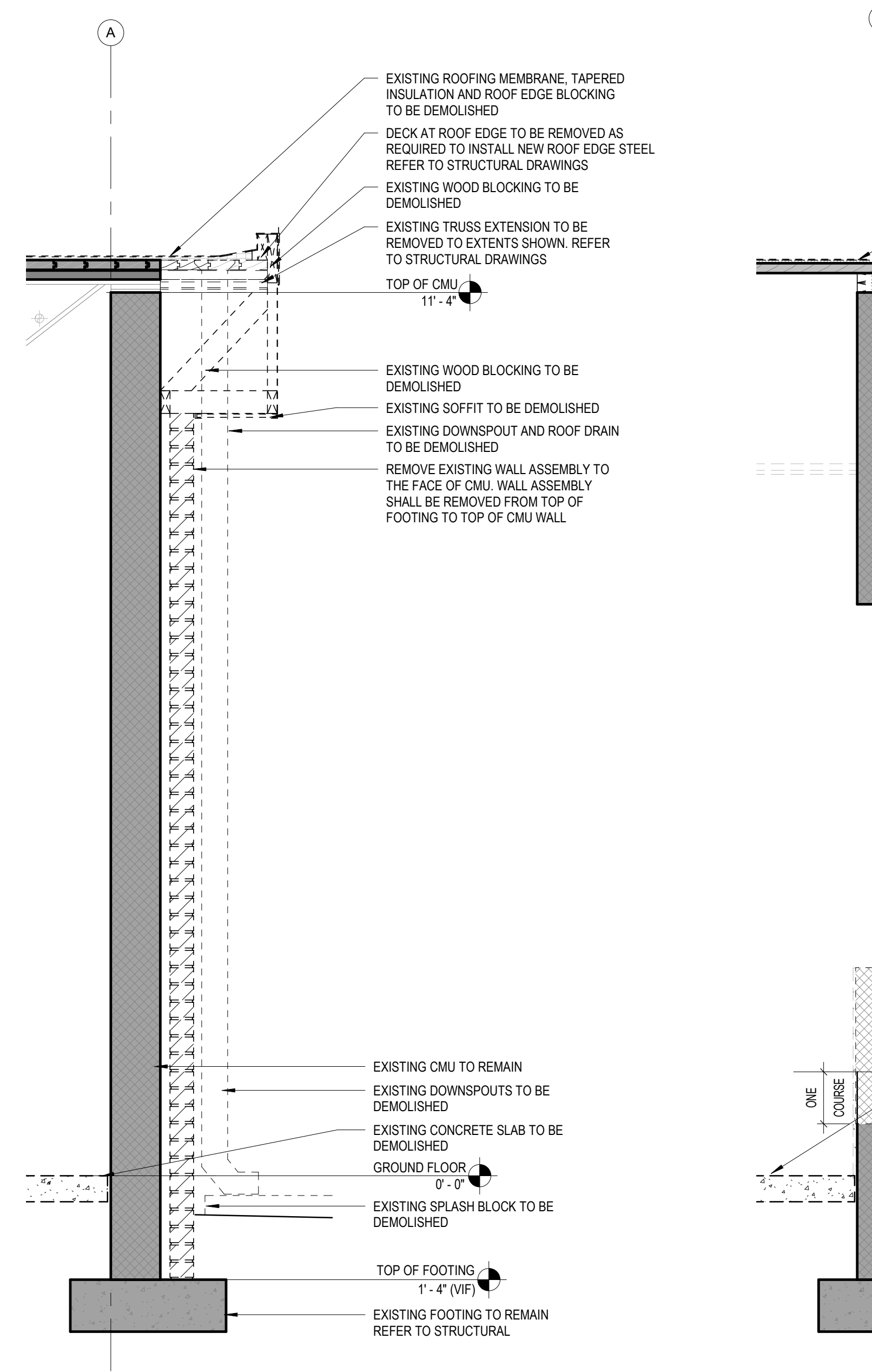
6 DEMO WALL SECTION
A0-08 3/4" = 1'-0"



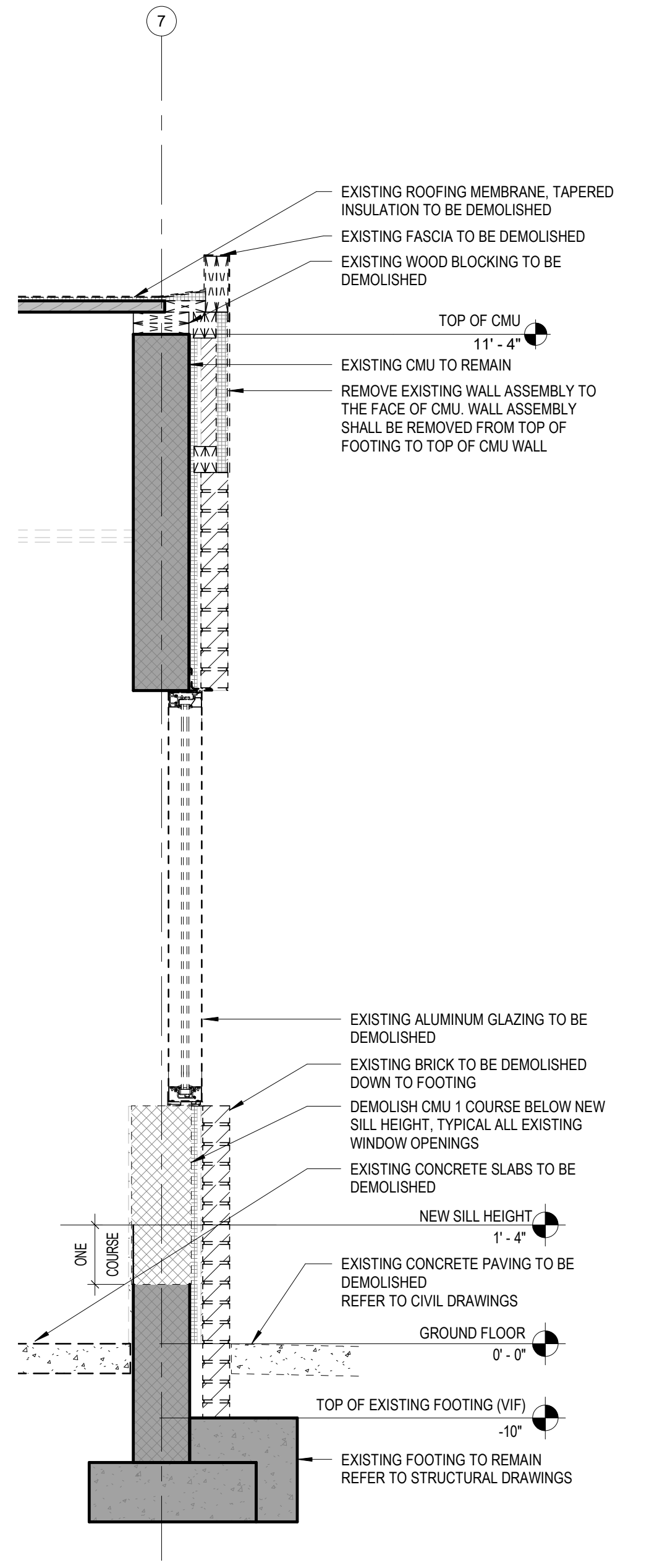
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A0-08 3/4" = 1'-0"



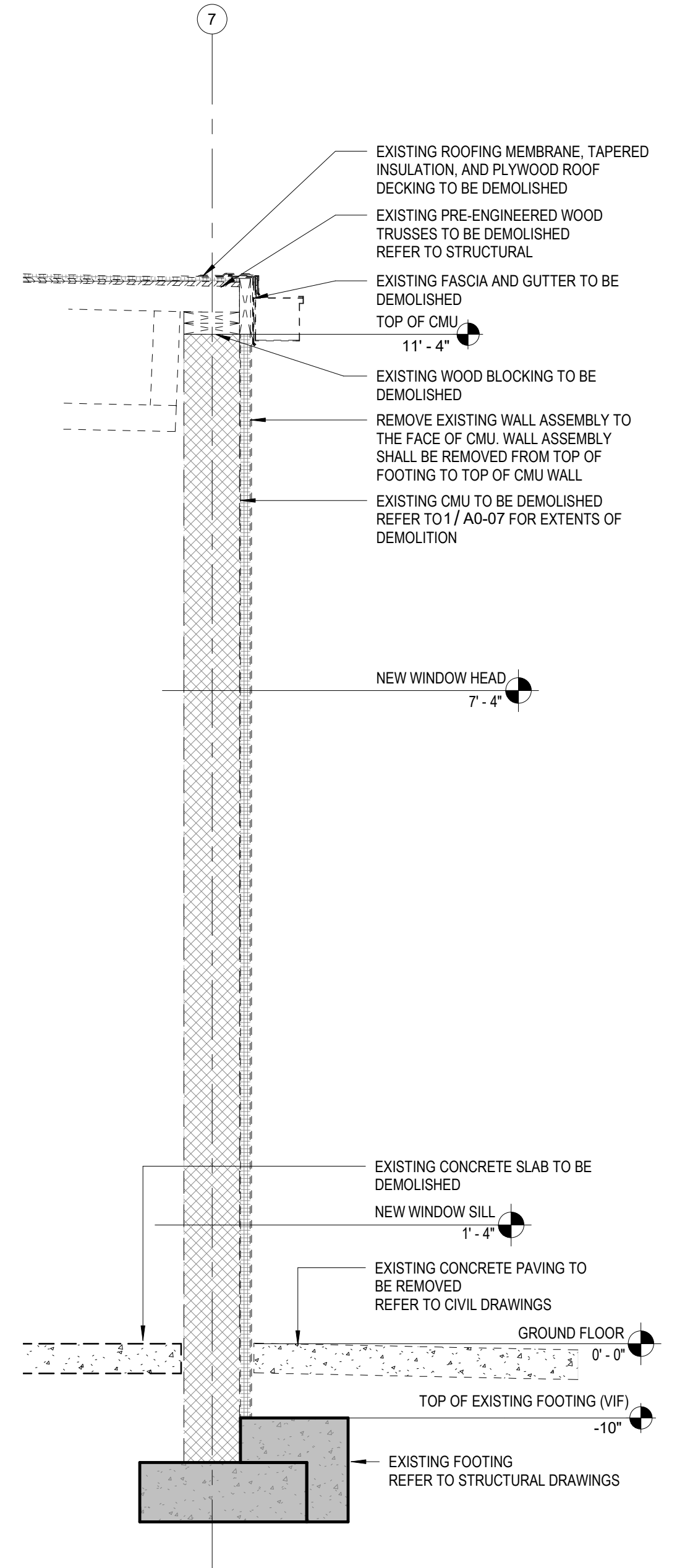
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A0-08 3/4" = 1'-0"



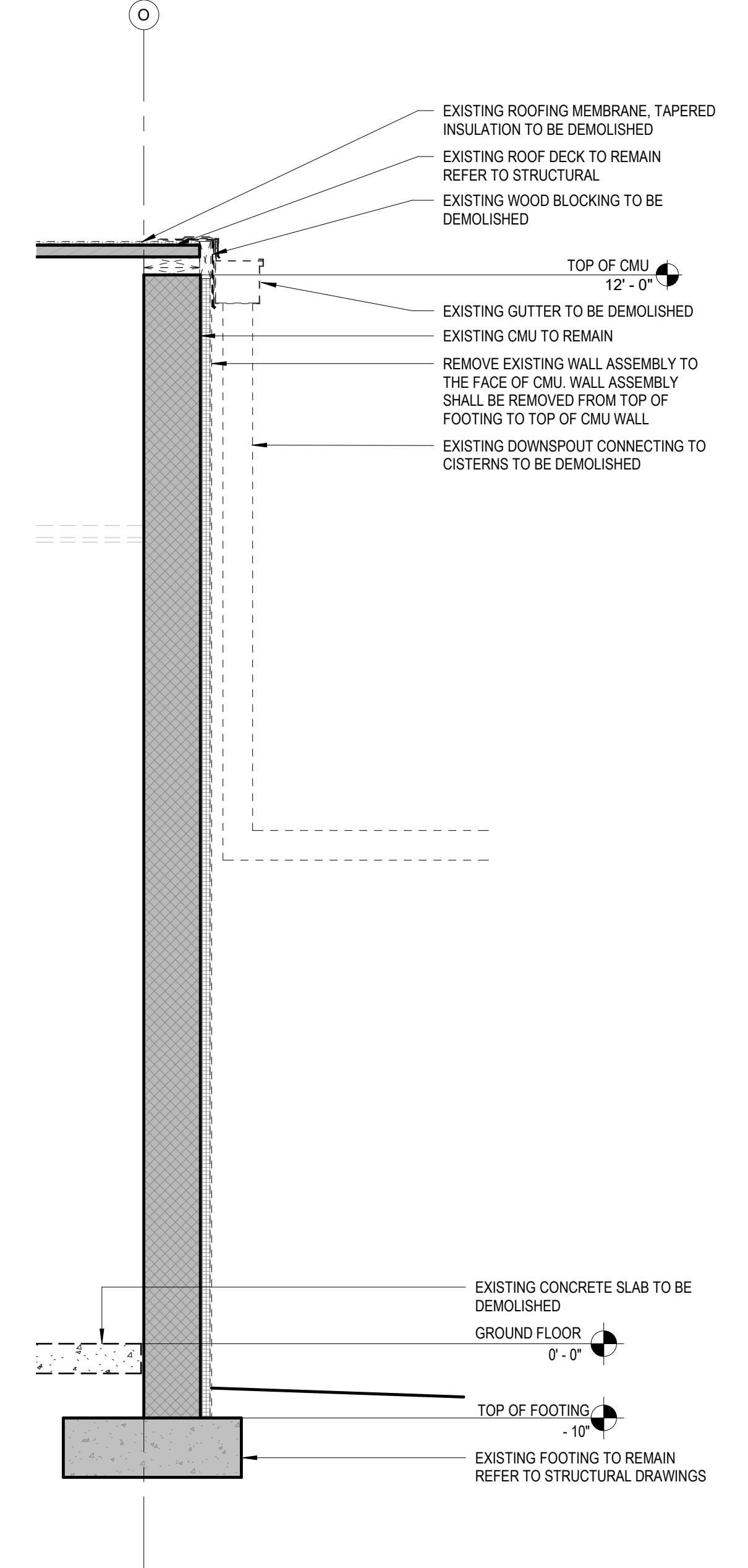
2 DEMO WALL SECTION
A0-08 3/4" = 1'-0"



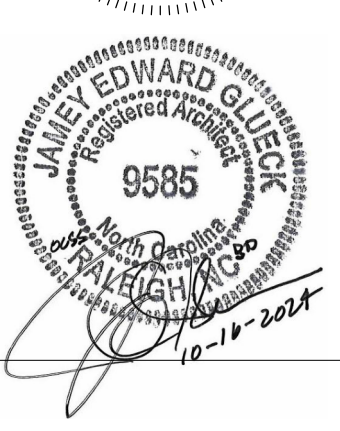
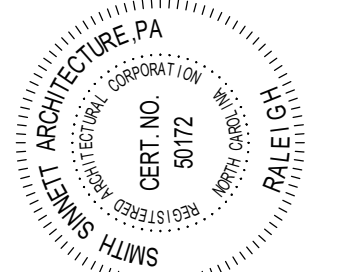
3 DEMO WALL SECTION
A0-08 3/4" = 1'-0"



4 DEMO WALL SECTION
A0-08 3/4" = 1'-0"



5 DEMO WALL SECTION
A0-08 3/4" = 1'-0"



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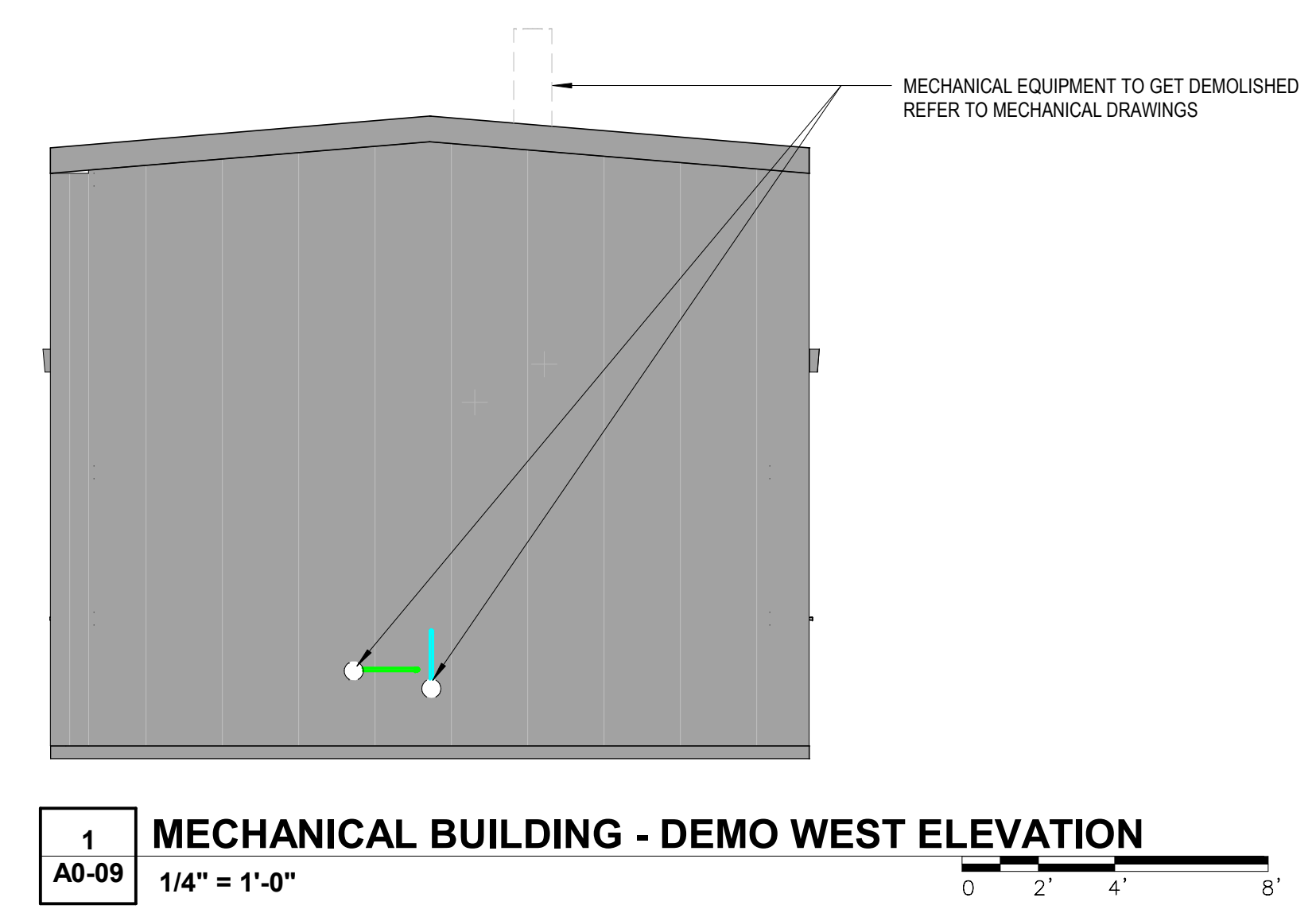
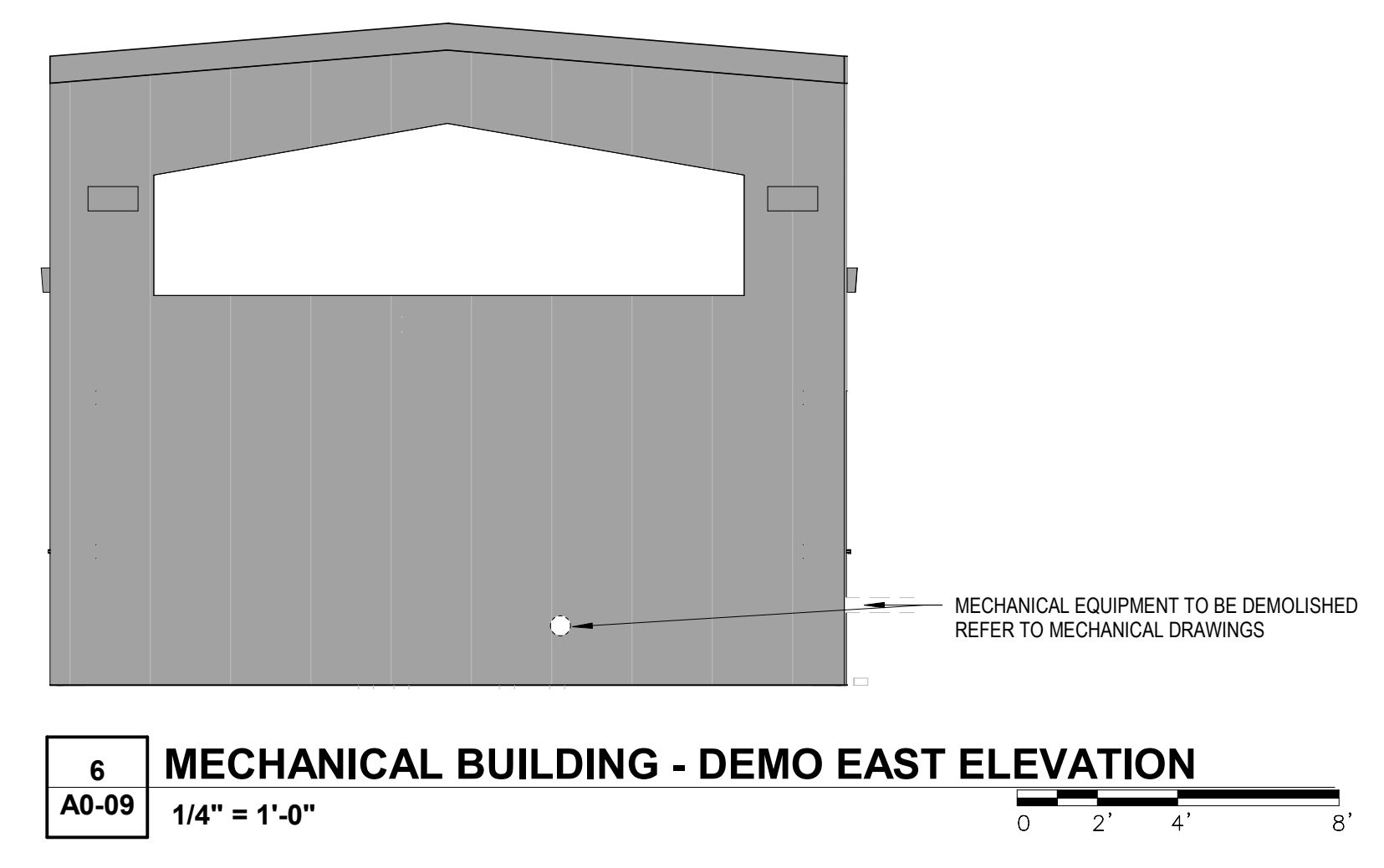
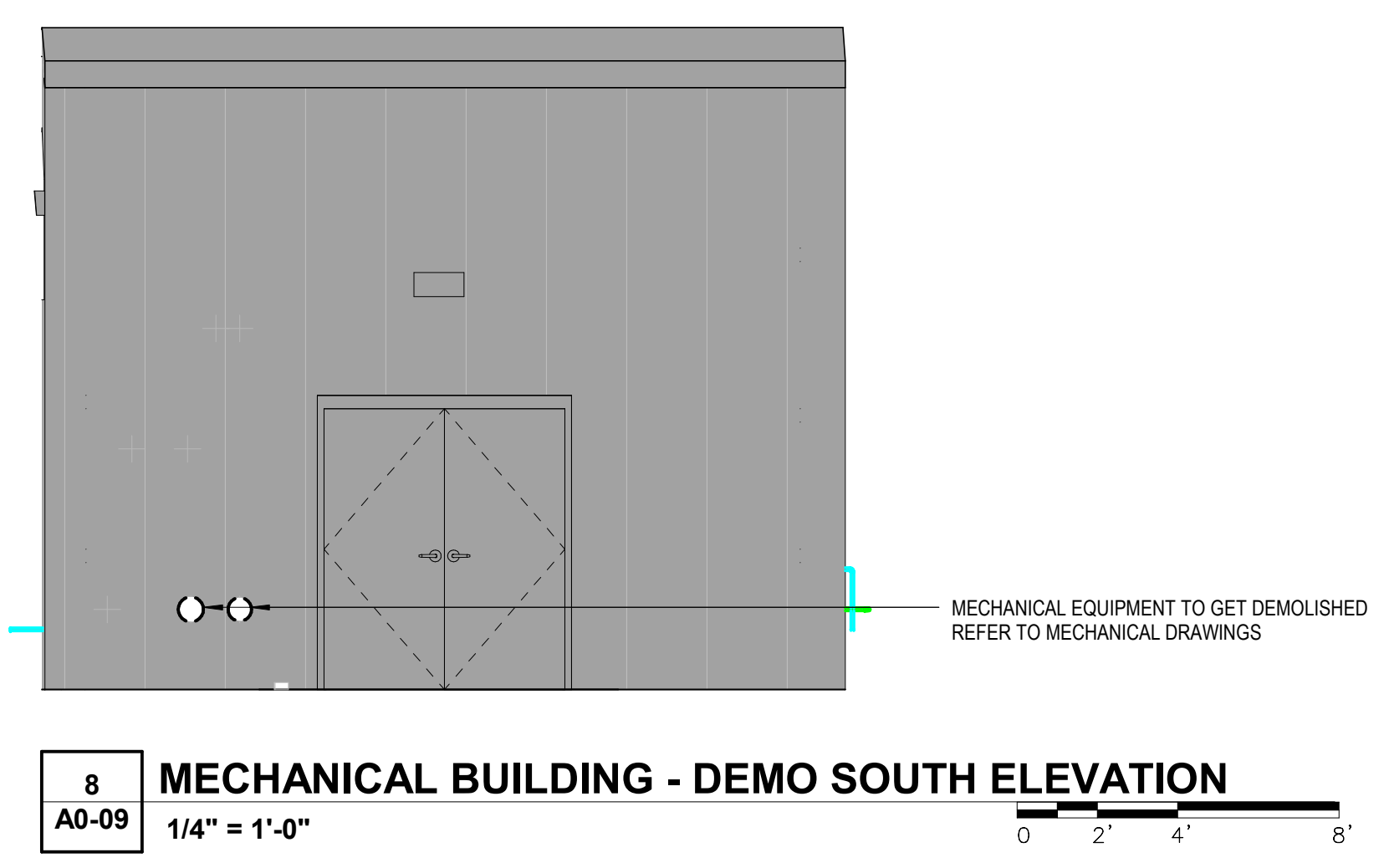
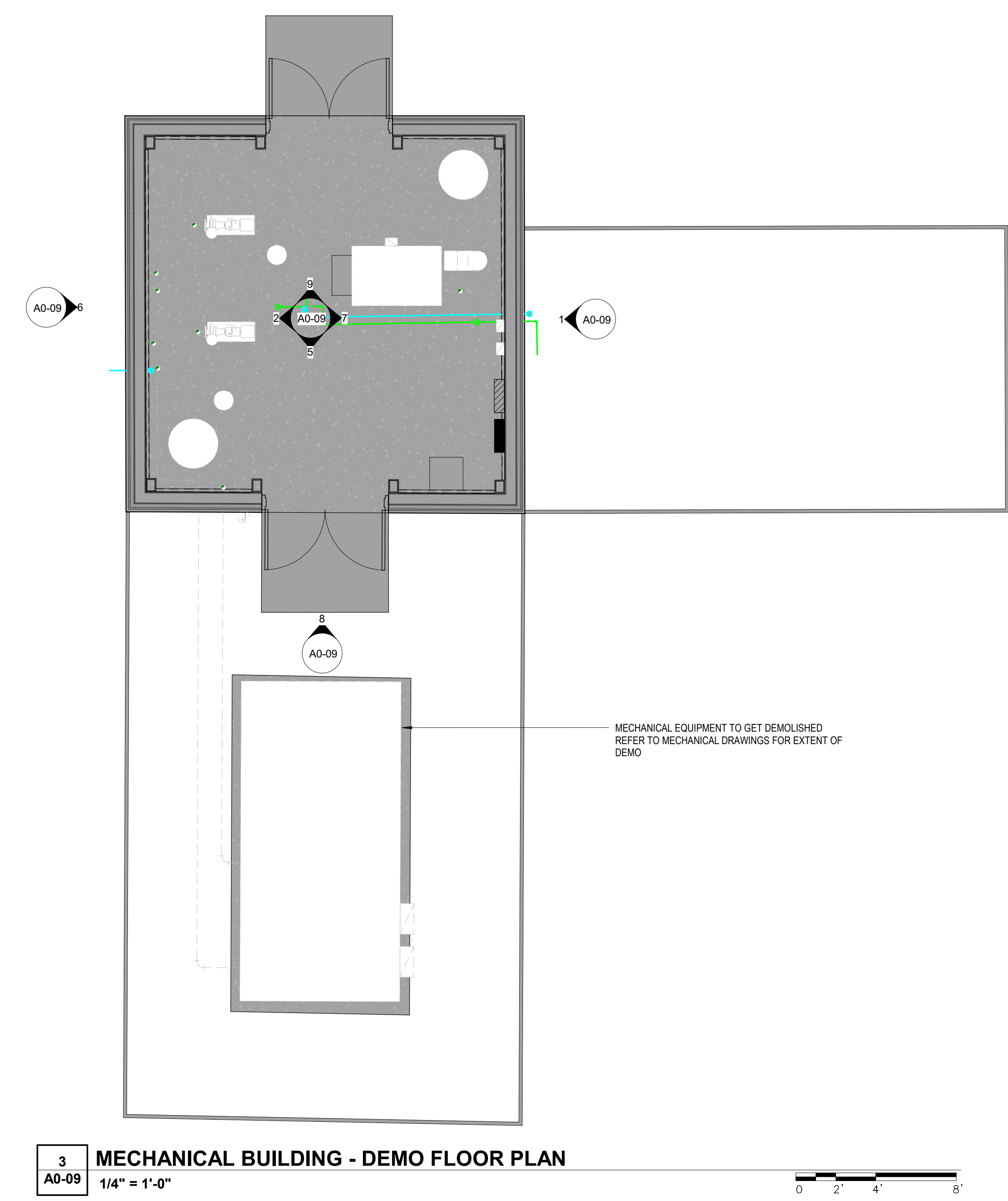
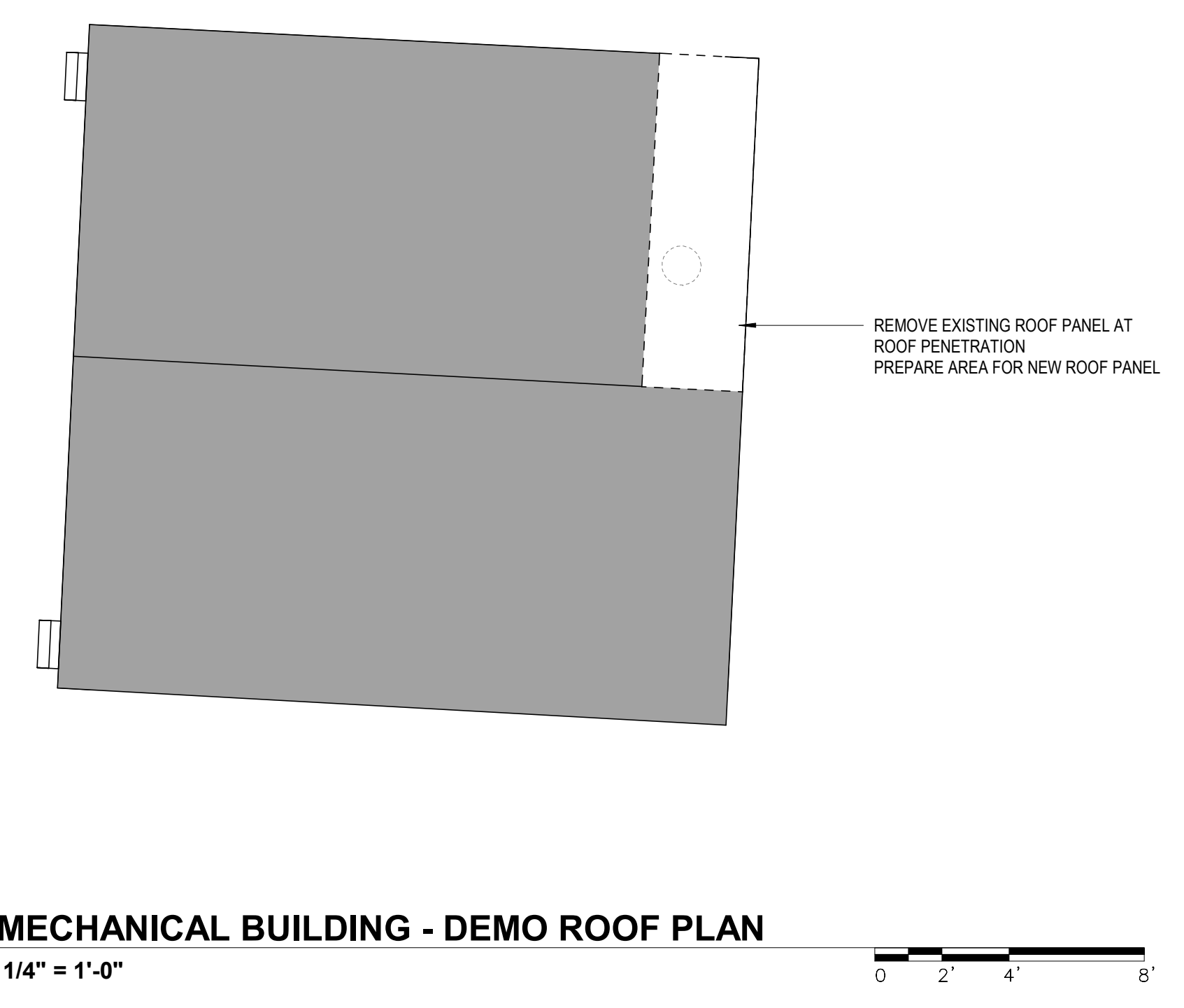
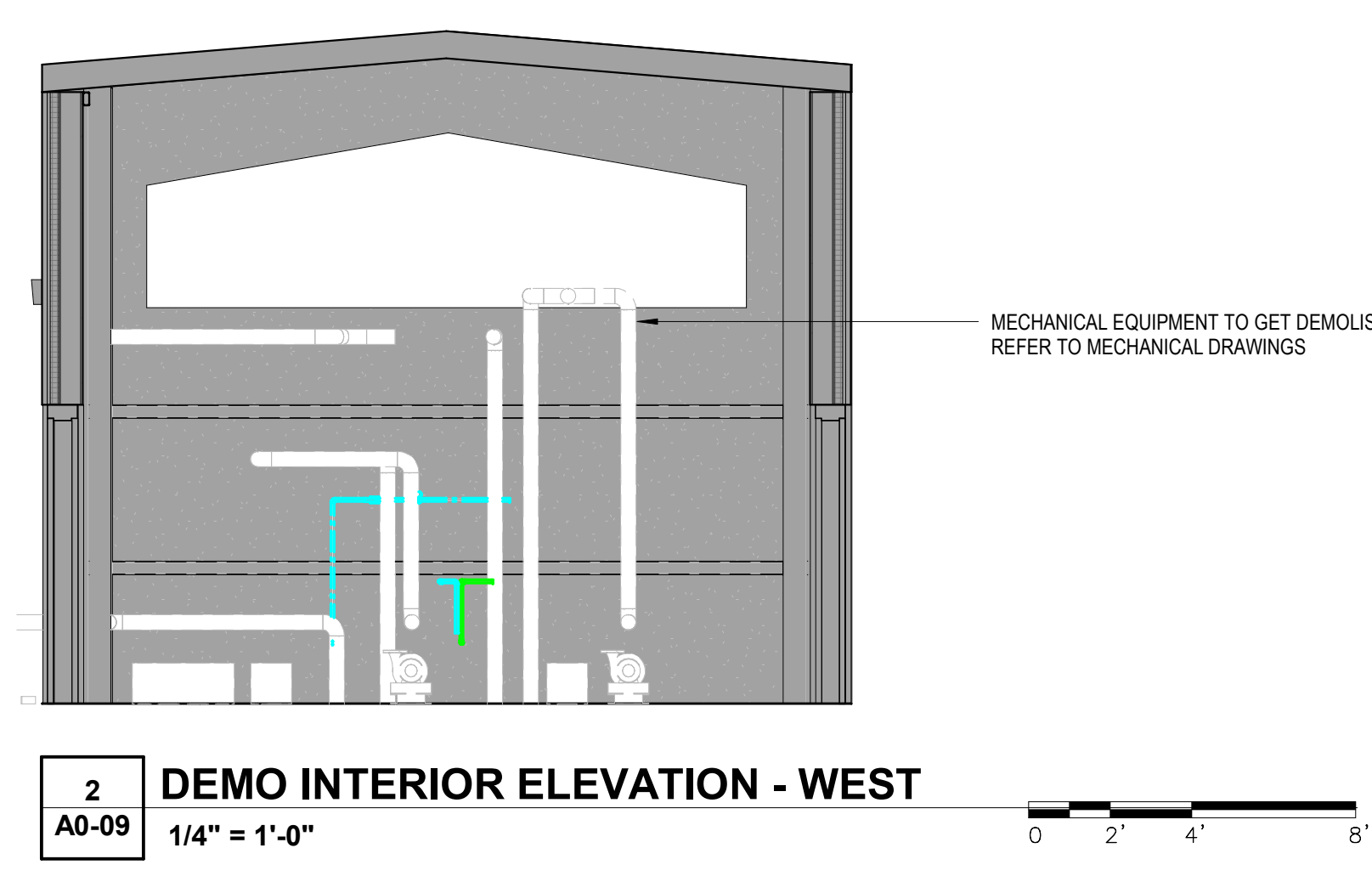
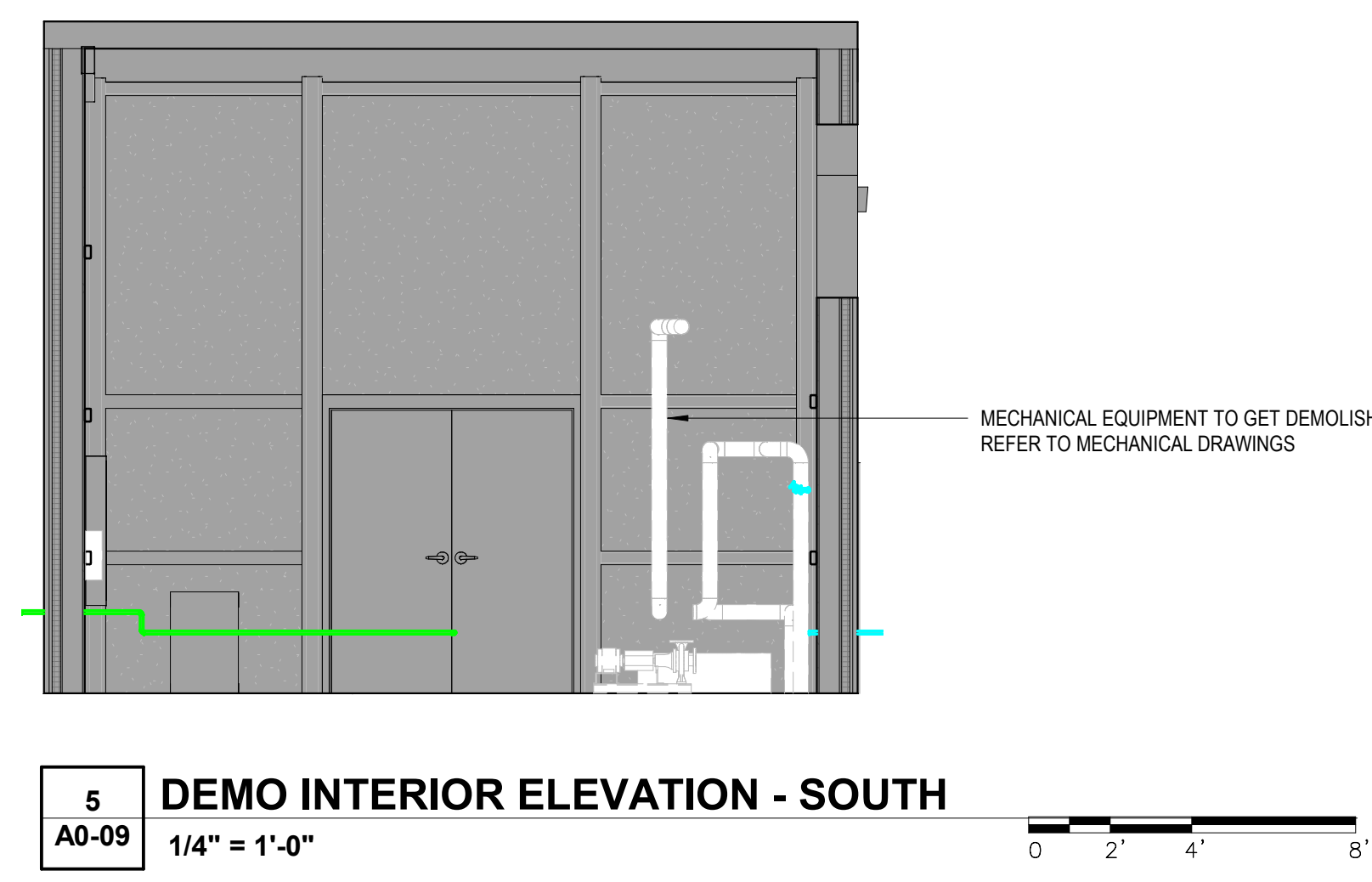
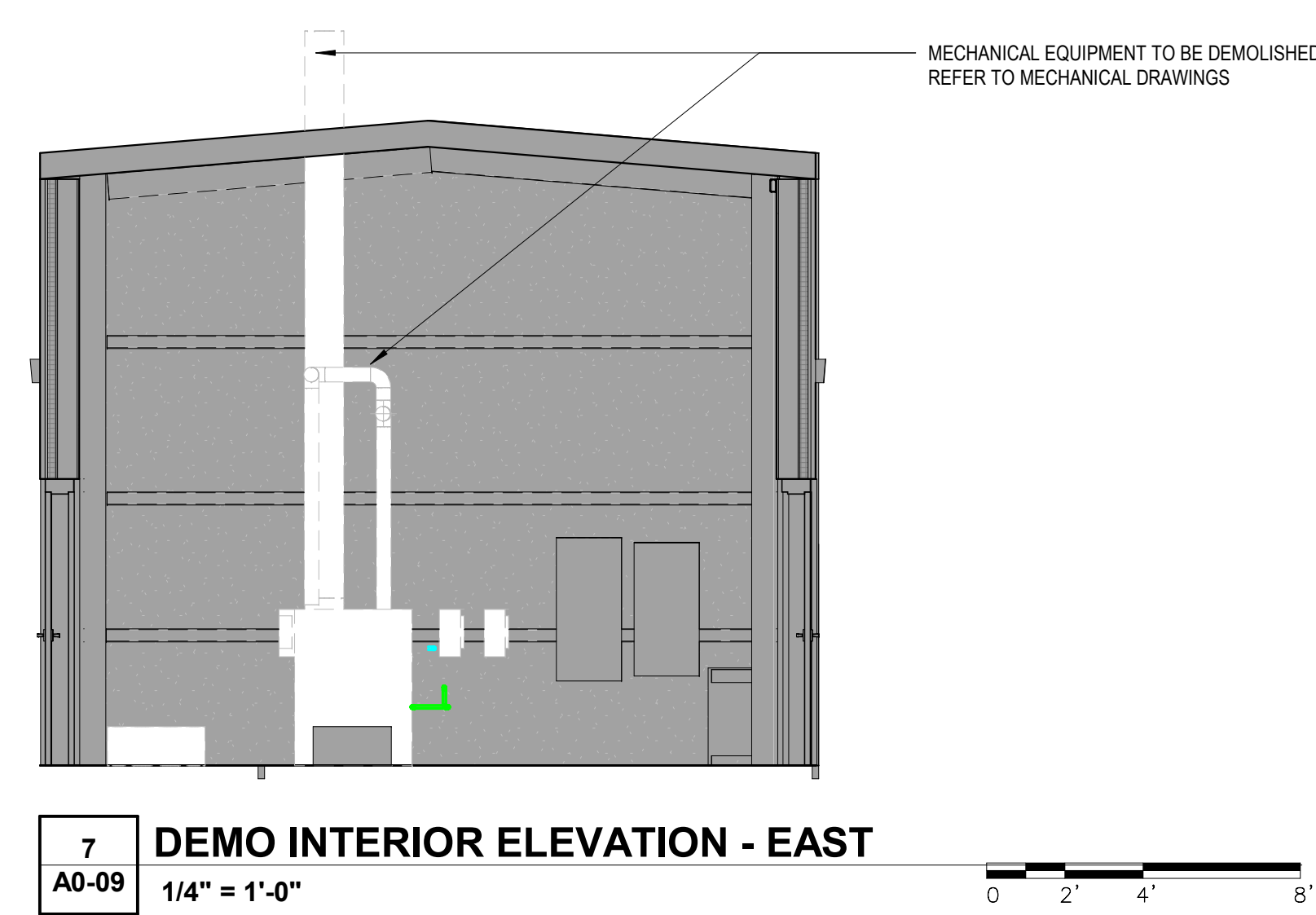
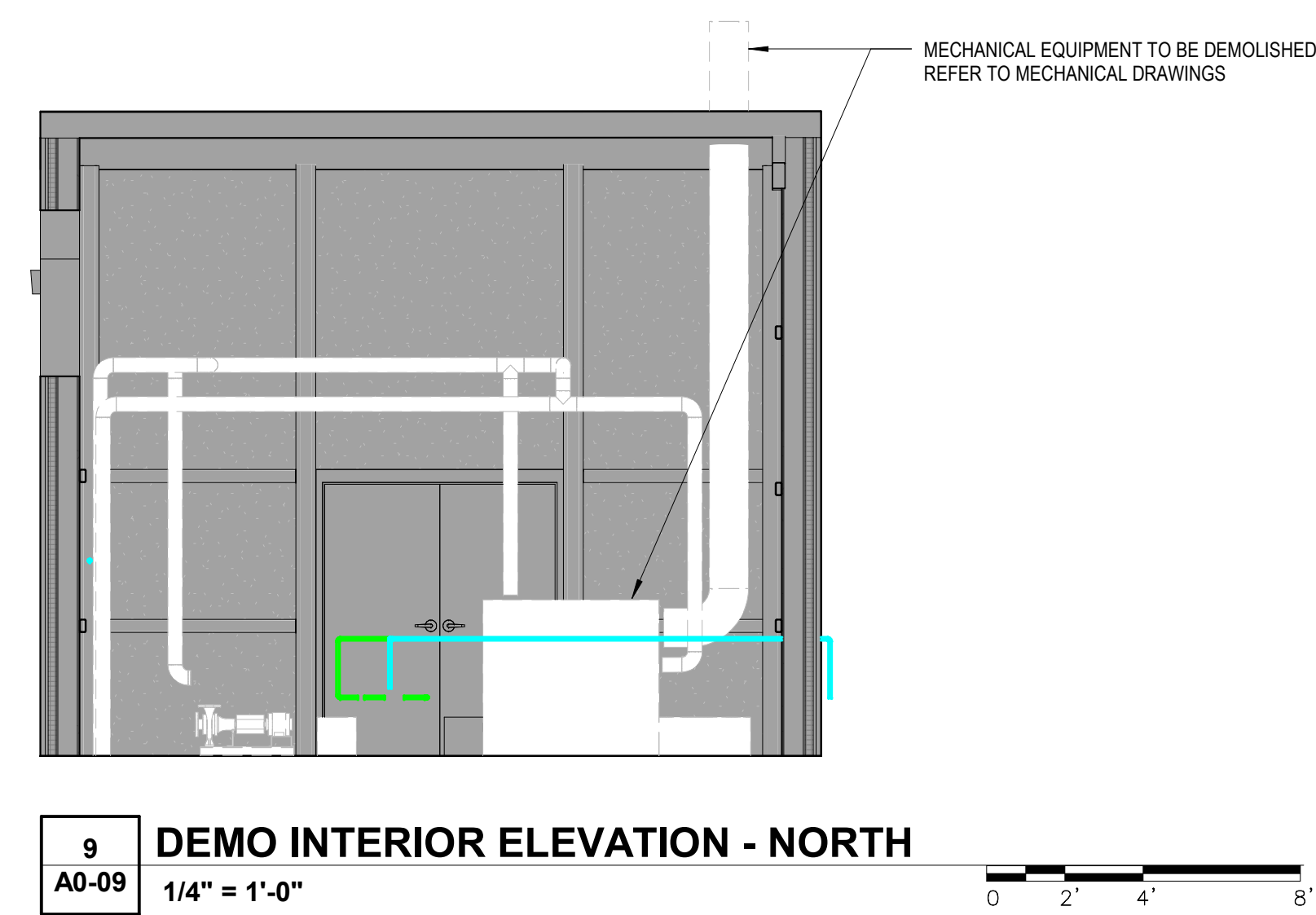
ID	DATE	DESCRIPTION

DRAWN BY: RM, FA, NB
CHECKED BY: JEG

MECHANICAL
BUILDING DEMO
PLANS

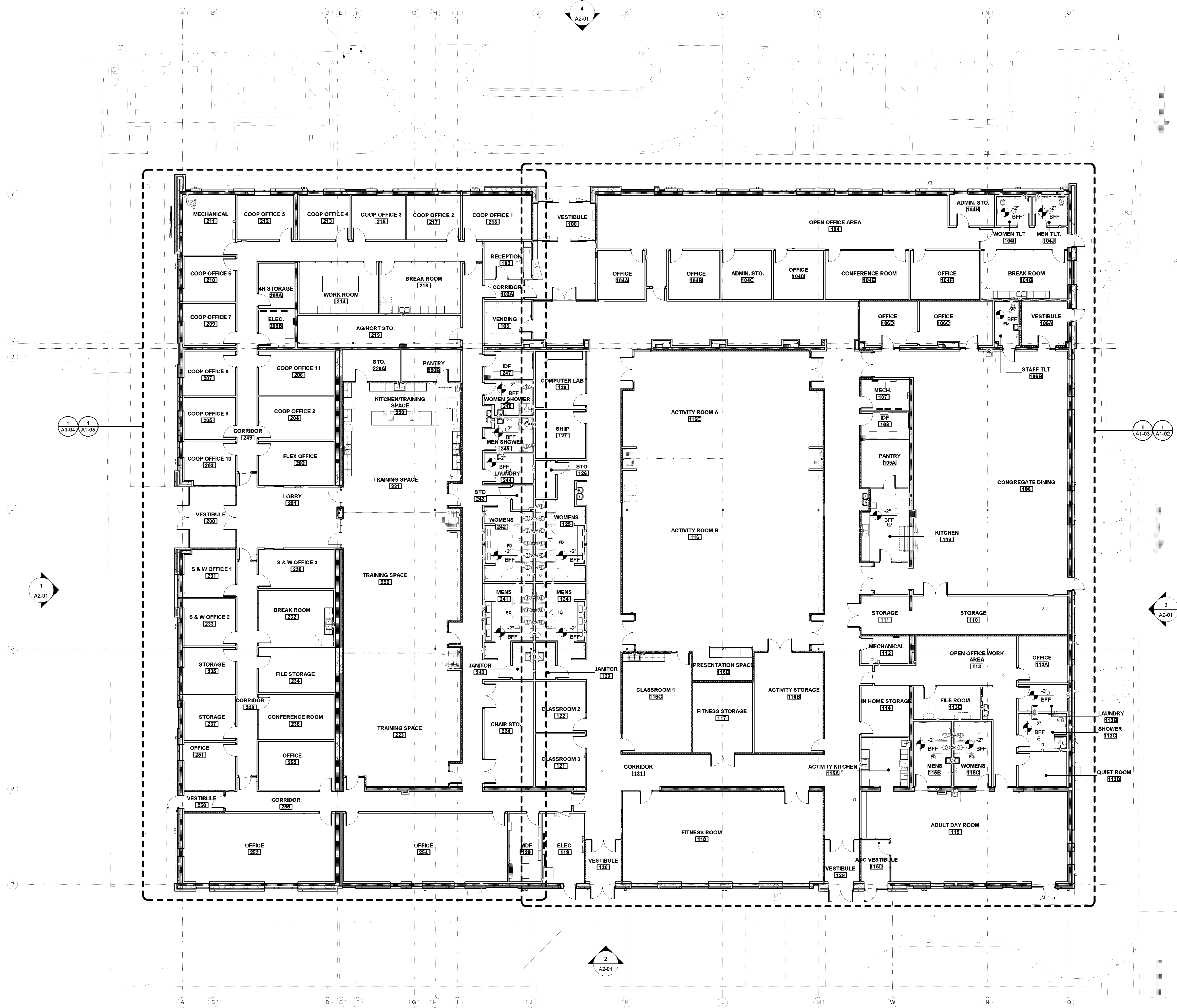
2021029 16 OCT. 2024

A0-09

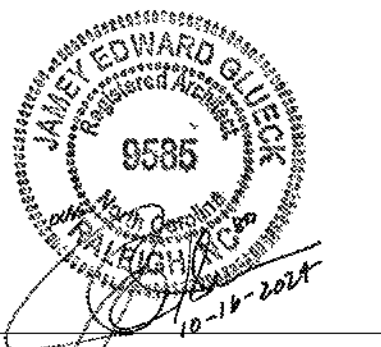
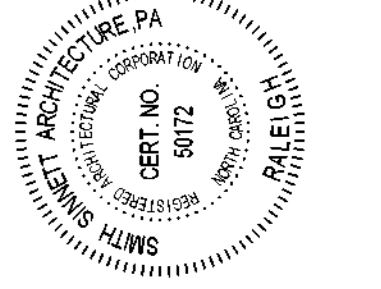
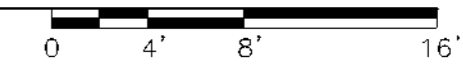


GENERAL PROJECT NOTES:

1. WALL DIMENSIONS ARE TO FACE OF METAL STUD; FACE OF CONCRETE MASONRY UNIT (CMU), OR CENTERLINE OF COLUMN UNLESS OTHERWISE NOTED.
2. ALL CMU WALLS GOING TO BOTTOM OF DECK ARE TO PROVIDE A 1" GAP FOR DEFLECTION, FILL GAP WITH MINERAL WOOL INSULATION ALONG THE ENTIRE LENGTH OF WALL. AT FIRE RATED WALLS, ENSURE SPRAY APPLIED FIRE SEALANT BOTH SIDES.
3. ALL METAL STUD WALLS TERMINATING AT BOTTOM OF DECK ARE TO PROVIDE A DEFLECTION TRACK SECURED TO THE UNDERSIDE OF THE DECKING, NEXT TOP TRACK BUT DO NOT ATTACH TO DEFLECTION TRACK. FILL FLUTE IN METAL DECK WHERE REQUIRED.
4. CONTROL JOINTS SHALL BE AS SHOWN ON PLANS AND ELEVATIONS OR SPACED AT A MINIMUM OF 20'-0" OC AND A MAXIMUM OF 32'-0" OC WITH ONE CONTROL JOINT LOCATED WITHIN 3'-4" OF ANY CORNER. FOR INTERIOR GYPSUM WALL CONTROL JOINTS SEE DETAIL.
5. SEE FINISH SCHEDULE FOR WALL, FLOOR, BASE, AND CEILING TYPES AND FINISHES.
6. REFER TO STRUCTURAL DRAWINGS FOR LOCATION OF REINFORCING, BOND BEAMS, BRACING, ETC.
7. ALL EXTERIOR CONCRETE PAVING SHALL SLOPE AWAY FROM THE BUILDING AT 1/4" PER FOOT, MINIMUM.
8. FURNITURE AND EQUIPMENT SHOWN DASHED ON PLANS IS NOT IN CONTRACT (NIC). REFER TO A1-06 AND A1-07 FOR FURNISHINGS AND EQUIPMENT PLANS. GC TO PROVIDE WOOD BLOCKING FOR ALL WALL/CEILING MOUNTED ACCESSORIES.
9. FIELD VERIFY FINAL ROOM DIMENSIONS PRIOR TO CASEWORK FABRICATION.
10. SLOPE CONCRETE SLAB TO FLOOR DRAIN AS INDICATED ON DRAWINGS.
11. THERE SHALL BE NO PENETRATIONS IN THROUGH WALL FLASHING.
12. DOOR JAMB FROM INTERSECTING WALLS: CMU - 8" UNLESS OTHERWISE NOTED. STUD - 4" UNLESS OTHERWISE NOTED.
13. REFER TO OVERALL FLOOR PLAN FOR DEPRESSED SLAB LOCATIONS. 2" BELOW FINISHED FLOOR. TYPICAL ALL DEPRESSED SLAB AREAS.



1 OVERALL FLOOR PLAN
A1-01 1" = 10'-0"



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Renovation
Onslow County Government
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ID	DATE	DESCRIPTION

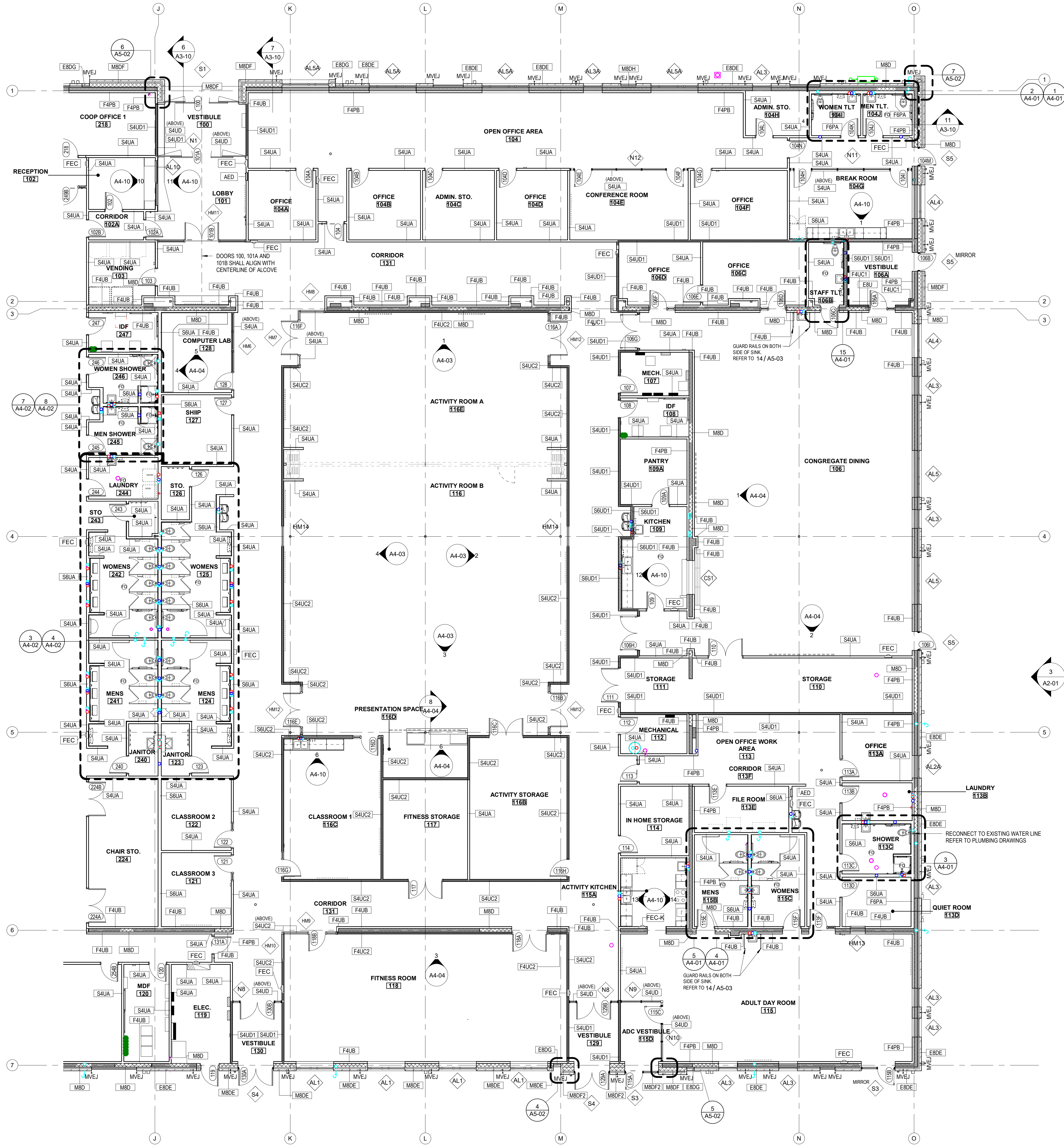
DRAWN BY: FA
CHECKED BY: JEG

OVERALL FLOOR PLAN

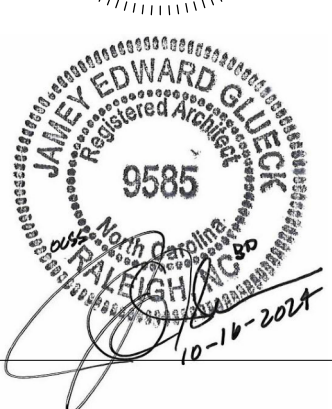
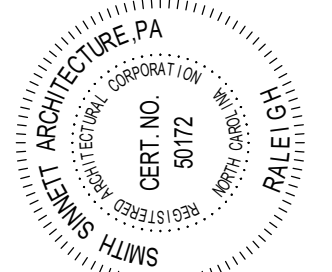
C:\Users\jgibson\Documents\2021029 OC Senior Services - final\A1-01.dwg

GENERAL PROJECT NOTES:

1. WALL DIMENSIONS ARE TO FACE OF METAL STUD, FACE OF CONCRETE MASONRY UNIT (CMU), OR CENTERLINE OF COLUMN UNLESS OTHERWISE NOTED.
2. ALL CMU WALLS GOING TO BOTTOM OF DECK ARE TO PROVIDE A 1" GAP FOR DEFLECTION, FILL GAP WITH MINERAL WOOL INSULATION ALONG THE ENTIRE LENGTH OF WALL. AT FIRE RATED WALLS, ENSURE SPRAY APPLIED FIRE SEALANT BOTH SIDES.
3. ALL METAL STUD WALLS TERMINATING AT BOTTOM OF DECK ARE TO PROVIDE A DEFLECTION TRACK SECURED TO THE UNDERSIDE OF THE DECKING, NEXT TOP TRACK BUT DO NOT ATTACH TO DEFLECTION TRACK. FILL FLUTE IN METAL DECK WHERE REQUIRED.
4. CONTROL JOINTS SHALL BE AS SHOWN ON PLANS AND ELEVATIONS OR SPACED AT A MINIMUM OF 20'-0" OC AND A MAXIMUM OF 32'-0" OC WITH ONE CONTROL JOINT LOCATED WITHIN 3'-4" OF ANY CORNER. FOR INTERIOR GYPSUM WALL CONTROL JOINTS SEE DETAIL.
5. SEE FINISH SCHEDULE FOR WALL, FLOOR, BASE, AND CEILING TYPES AND FINISHES.
6. REFER TO STRUCTURAL DRAWINGS FOR LOCATION OF REINFORCING, BOND BEAMS, BRACING, ETC.
7. ALL EXTERIOR CONCRETE PAVING SHALL SLOPE AWAY FROM THE BUILDING AT 1/4" PER FOOT, MINIMUM.
8. FURNITURE AND EQUIPMENT SHOWN DASHED ON PLANS IS NOT IN CONTRACT (NIC). REFER TO A108 AND A107 FOR FURNISHING AND EQUIPMENT PLANS.
9. GC TO PROVIDE WOOD BLOCKING FOR ALL WALL/CEILING MOUNTED ACCESSORIES.
10. FIELD VERIFY FINAL ROOM DIMENSIONS PRIOR TO CASEWORK FABRICATION.
11. THERE SHALL BE NO PENETRATIONS IN THROUGH WALL FLASHING.
12. DOOR JAMB FROM INTERSECTING WALLS: CMU - 8" UNLESS OTHERWISE NOTED. STUD - 4" UNLESS OTHERWISE NOTED.
13. REFER TO OVERALL FLOOR PLAN FOR DEPRESSED SLAB LOCATIONS. 2" BELOW FINISHED FLOOR. TYPICAL ALL DEPRESSED SLAB AREAS.



1 ANNOTATION PLAN - AREA A
1/8" = 1'-0"



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Onslow County Government
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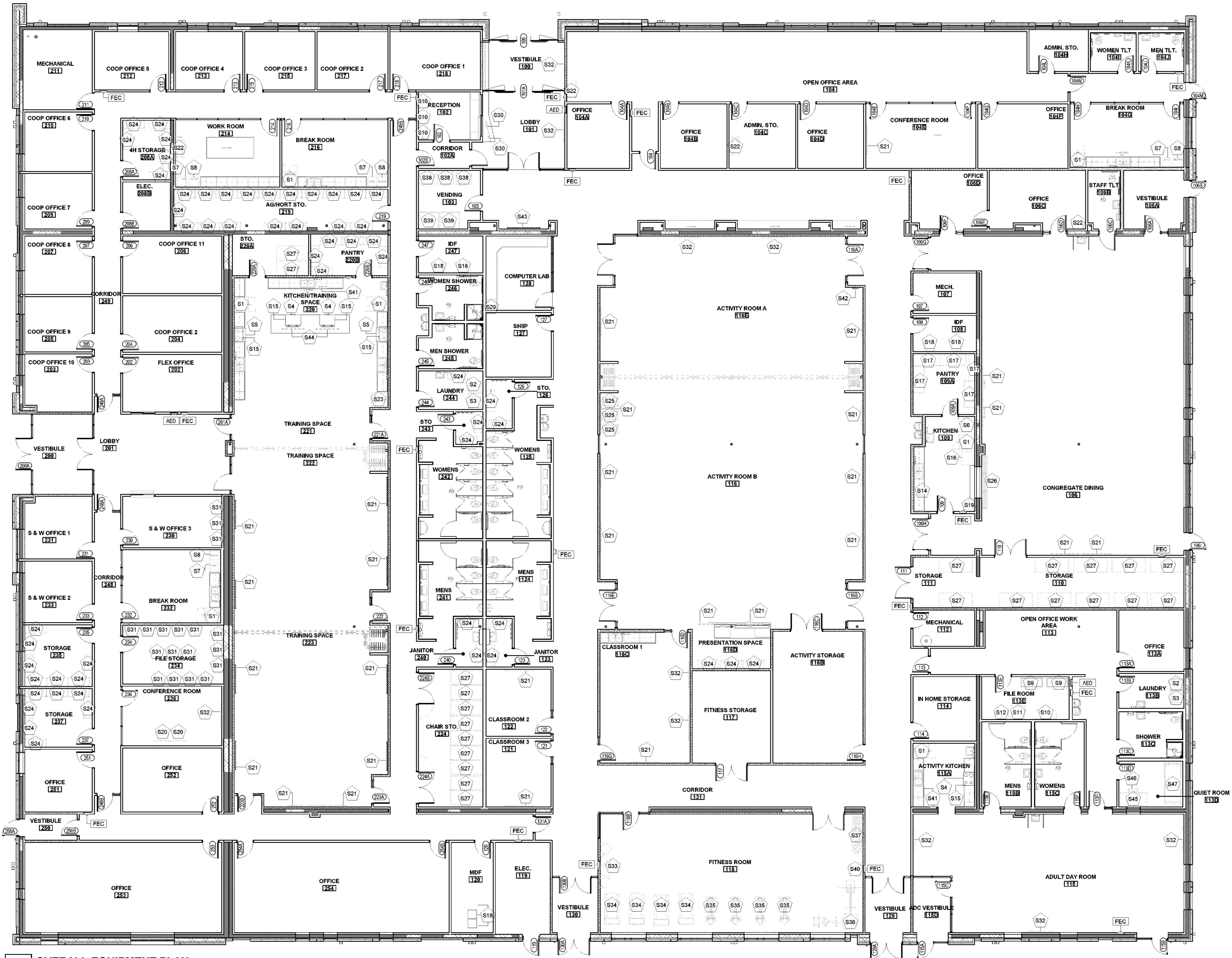
DRAWN BY: RM, FA, NB
CHECKED BY: JEG

FIRST FLOOR
ANNOTATION PLAN
- AREA A

2021029 16 OCT. 2024

A1-02

EQUIPMENT LEGEND			
MARK	ITEM DESCRIPTION	INSTALL	REMARKS
S1	REFRIGERATOR	OFCI	
S2	WASHER	OFCI	
S3	DRYER	OFCI	
S4	RANGE	OFCI	BASIS OF DESIGN: GE PROFILE 30" SMART SLIDE IN ELECTRIC DOUBLE OVEN CONVECTION FINGERPRINT RESISTANT RANGE. EQUAL LG. WHIRPOOL MUST HAVE FORWARD-FRONT CONTROLS
S5	RANGE	OFCI	
S6	ICE MAKER	OFCI	
S7	WASTE BUCKET	OFCI	
S8	RECYCLE	OFCI	
S9	LATERAL FILES	OFCI	
S10	LATERAL FILES	OFCI	
S11	TRASH CAN - SHREDDER	OFCI	
S12	STANDARD FILE	OFCI	
S13	SHELVING - 2' 6" X 6" 4"	OFCI	
S14	SS TABLE	OFCI	
S15	KITCHEN HOOD	OFCI	NOTE: REFER TO MECHANICAL DRAWINGS
S16	WARMING CABINET	OFCI	
S17	SHELVING - 2' X 5'	OFCI	
S18	DATA RACK	OFCI	NOTE: REFER TO ELECTRICAL DRAWINGS
S19	WASTE BUCKET	OFCI	
S20	BOOK SHELF		
S21	FLAT SCREEN TV - 75"	SEE NOTES	NOTE: TV: OFCI; TV BRACKETS: OFCI; TV BLOCKING: OFCI
S22	COOPER	OFCI	
S23	ICE MAKER	OFCI	
S24	WIRE RACK SHELVING	OFCI	
S25	CART	OFCI	
S26	STAINLESS STEEL 4 BAR TUBULAR TRAY SLIDE	OFCI	NOTE: TYPE 304, 16 GAGE NO. 4 FINISH MOUNTED 34" AFF. 102.1X107.1X11.1. PROVIDE BLOCKING FOR WALL MOUNTING. VOLLRATH 9882004-2-60" TRAY SLIDE TUBULAR STAINLESS 60" X 12"
S27	TABLES AND CHAIR DOLLIES	OFCI	
S28	NOT USED		
S29	PRINTER	OFCI	
S30	FLATSCREEN MONITOR - 24"	OFCI	NOTE: LED
S31	SHELVING - 36" X 18"	OFCI	
S32	FLAT SCREEN TV - 65"	SEE NOTES	NOTE: TV: OFCI; TV BRACKETS: OFCI; TV BLOCKING: OFCI
S33	EXERCISE BALL RACK	OFCI	
S34	TREADMILL	OFCI	
S35	EXERCISE BIKE	OFCI	
S36	MULTI-STATION APPARATUS	OFCI	
S37	WEIGHT RACK	OFCI	
S38	VENDING MACHINE - SODA	OFCI	
S39	VENDING MACHINE - SNACKS	OFCI	
S40	EXERCISE BALL STAND	OFCI	
S41	DISHWASHER	OFCI	BASIS OF DESIGN: SAMSUNG 24" FRONT CONTROL DISHWASHER IN STAINLESS STEEL. ADA COMPLIANT. EQUAL GE, MIELE, 32" HEIGHT TO FIT UNDER 34" COUNTERTOP
S42	POOL CUE RACK	OFCI	
S43	FLATSCREEN TV	SEE NOTES	TV: OFCI; TV BRACKETS: OFCI; TV BLOCKING: OFCI
S44	MONITORS	OFCI	
S45	DESK	OFCI	
S46	CHAIR	OFCI	
S47	PATIENT BED	OFCI	



1
A1-07 **OVERALL EQUIPMENT PLAN**
1/8" = 1'-0"

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Raleigh, NC 27607
info@smithsinnett.com

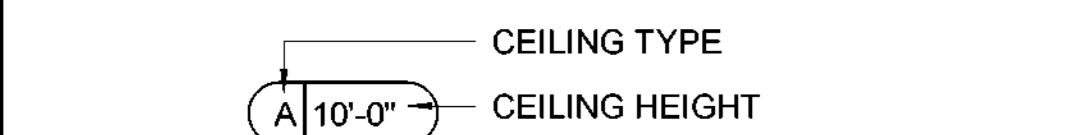
ONSLOW COUNTY ARCHITECT
JAMES EDWARD GILBERT
10888
10-10-2024

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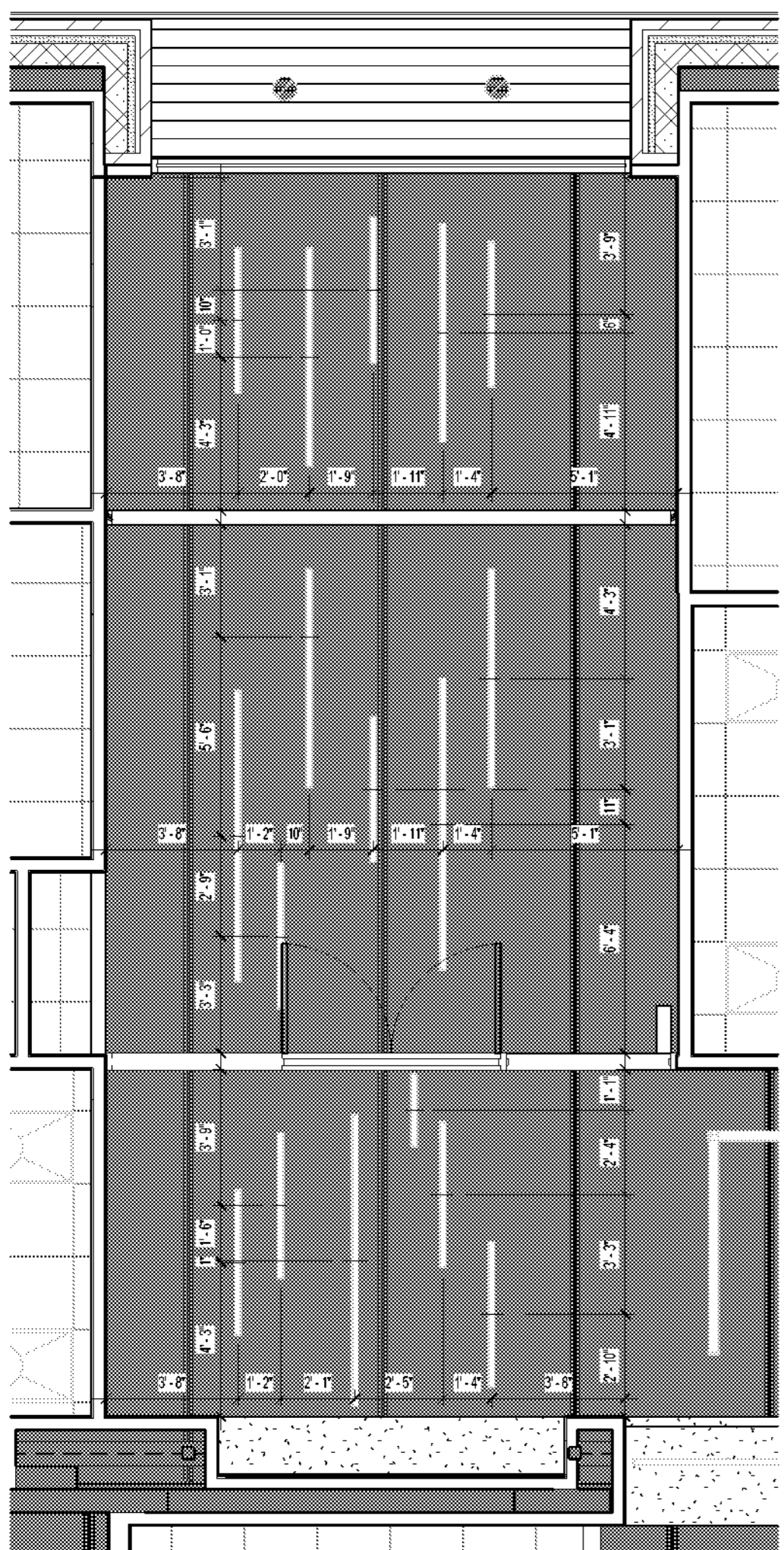
REFLECTED CEILING LEGEND AND NOTES



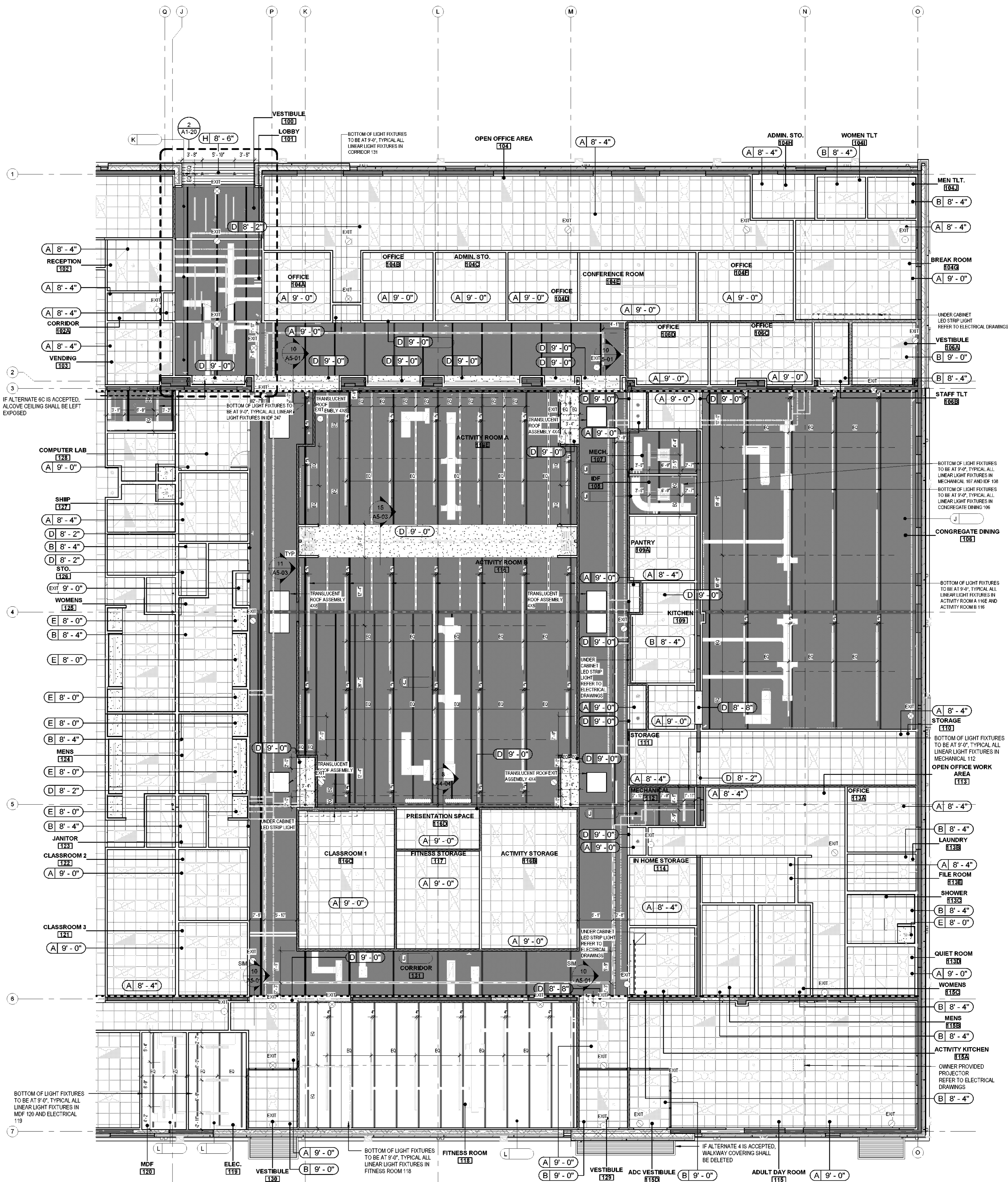
SYMBOL	TYPE	DESCRIPTION
[Symbol]	A	ACT-1, 2x2 CEILING TILE, WHITE FINISH
[Symbol]	B	ACT-2, 2x2 VINYL COVERED TILE AND GRID, WHITE FINISH, HOLD DOWN CLIPS
[Symbol]	D	GYPSUM WALL BOARD CEILING SYSTEM
[Symbol]	E	GYPSUM BOARD CEILING - MOISTURE RESISTANT
[Symbol]	G	METAL SOFFIT PANEL - PERFORATED
[Symbol]	H	METAL SOFFIT PANEL - NON PERFORATED
[Symbol]	J	EXPOSED EXISTING STRUCTURE - PAINT EXPOSED EXISTING STRUCTURE, HEAVY TIMBER TONGUE AND GROOVE ROOF DECK, CONDUIT, JUNCTION BOXES, PIPING, DUCTWORK, AND ALL ASSOCIATED COMPONENTS.
[Symbol]	K	EXPOSED EXISTING STRUCTURE - PAINT EXPOSED STRUCTURE, METAL ROOF DECK, CONDUIT, JUNCTION BOXES, PIPING, DUCTWORK, AND ALL ASSOCIATED COMPONENTS.
[Symbol]	L	EXPOSED NEW STRUCTURE - PAINT EXPOSED STRUCTURE, METAL ROOF DECK, CONDUIT, JUNCTION BOXES, PIPING, DUCTWORK, AND ALL ASSOCIATED COMPONENTS.
[Symbol]	S	METAL LINEAR CEILING REFER TO ALTERNATE 6C

SYMBOL	DESCRIPTION
[Symbol]	LINEAR PENDANT
[Symbol]	2 X 4 LED FIXTURE
[Symbol]	RETURN AIR GRILLE
[Symbol]	SUPPLY AIR DIFFUSER
[Symbol]	CAN STYLE FIXTURE
[Symbol]	HANGING LED FIXTURE
[Symbol]	WALL MOUNTED LED UPLIGHT
[Symbol]	48" X 48" TRANSLUCENT ROOF ASSEMBLY
[Symbol]	48" X 96" TRANSLUCENT ROOF ASSEMBLY

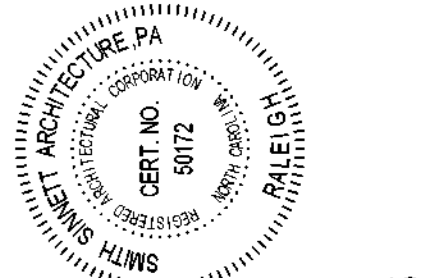
GENERAL NOTES:
 1. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR COMPLETE SCOPE OF CEILING PENETRATIONS AND FIXTURES.
 2. REFER TO PROJECT SPECIFICATIONS FOR COMPLETE DESCRIPTION OF CEILING MATERIAL.



2 VESTIBULE AND LOBBY - LIGHT LAYOUT
 A1-20 1/4" = 1'-0"



1 REFLECTED CEILING PLAN - AREA A
 A1-20 1/8" = 1'-0"



BID DOCUMENTS

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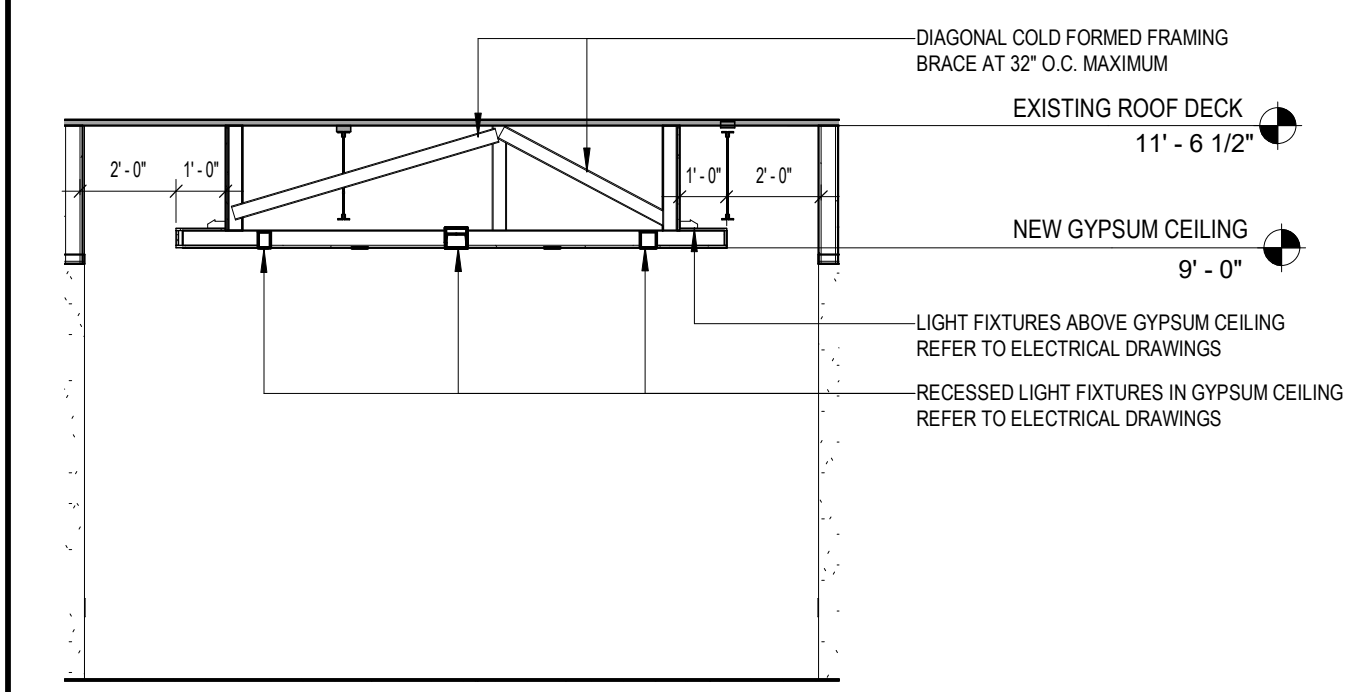
DRAWN BY: FA
 CHECKED BY: JEG

REFLECTED CEILING PLAN - AREA A

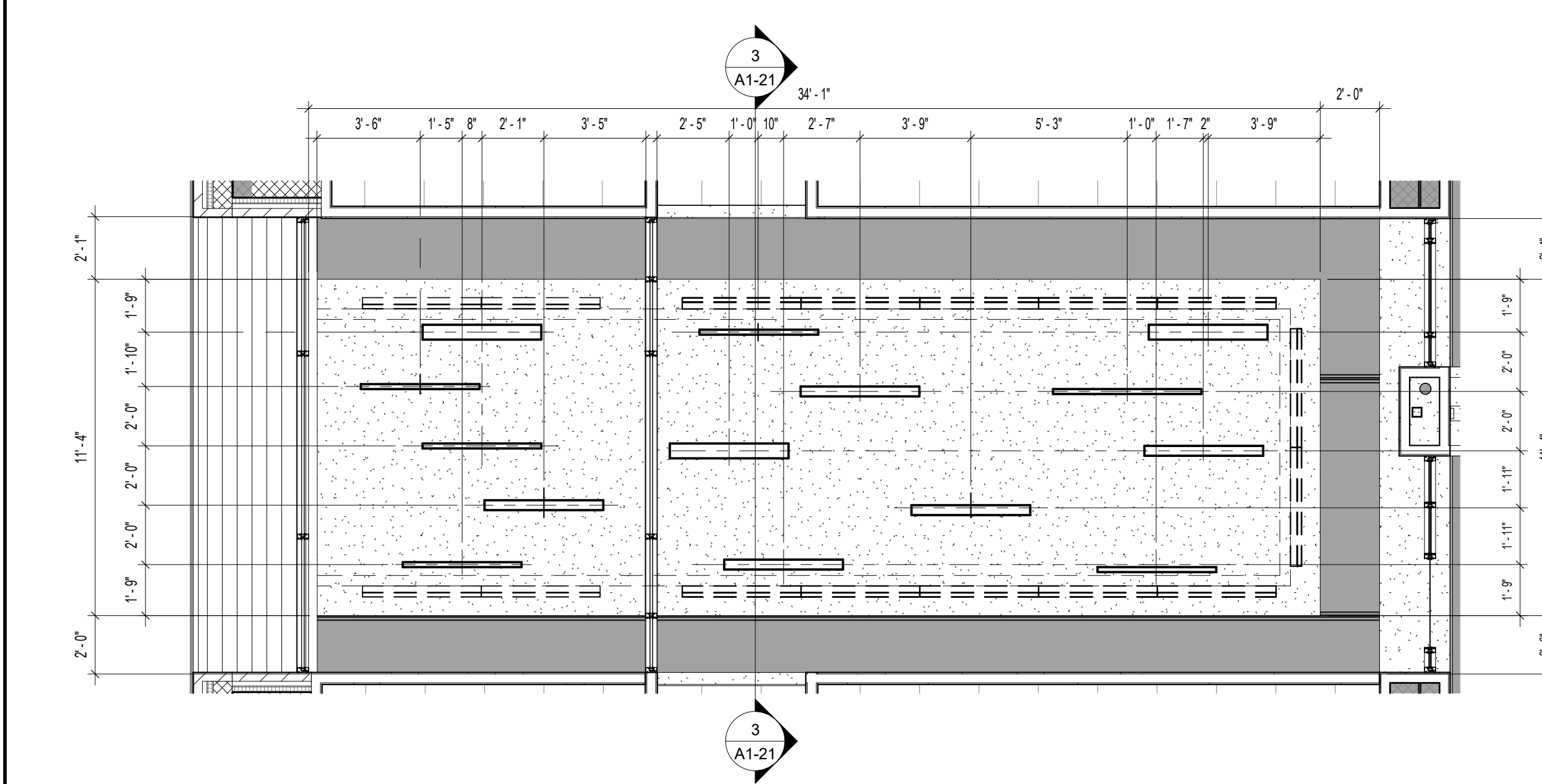
REFLECTED CEILING LEGEND AND NOTES

CEILING TYPE		
SYMBOL	TYPE	DESCRIPTION
	A	ACT-1, 2x2 CEILING TILE, WHITE FINISH
	B	ACT-2, 2x2 VINYL COVERED TILE AND GRID, WHITE FINISH, HOLD DOWN CLIPS
	D	GYPSUM WALLBOARD CEILING SYSTEM
	E	GYPSUM BOARD CEILING - MOISTURE RESISTANT
	G	METAL SOFFIT PANEL - PERFORATED
	H	METAL SOFFIT PANEL - NON PERFORATED
	J	EXPOSED EXISTING STRUCTURE - PAINT EXPOSED EXISTING STRUCTURE, HEAVY TIMBER TONGUE AND GROOVE ROOF DECK, CONDUIT, JUNCTION BOXES, PIPING, DUCTWORK, AND ALL ASSOCIATED COMPONENTS.
	K	EXPOSED EXISTING STRUCTURE - PAINT EXPOSED STRUCTURE, METAL ROOF DECK, CONDUIT, JUNCTION BOXES, PIPING, DUCTWORK, AND ALL ASSOCIATED COMPONENTS.
	L	EXPOSED NEW STRUCTURE - PAINT EXPOSED STRUCTURE, METAL ROOF DECK, CONDUIT, JUNCTION BOXES, PIPING, DUCTWORK, AND ALL ASSOCIATED COMPONENTS.
	S	METAL LINEAR CEILING REFER TO ALTERNATE BC
SYMBOL	DESCRIPTION	
	LINEAR PENDANT	
	2 X 4 LED FIXTURE	
	RETURN AIR GRILLE	
	SUPPLY AIR DIFFUSER	
	CAN STYLE FIXTURE	
	HANGING LED FIXTURE	
	WALL MOUNTED LED UPLIGHT	
	48" X 48" TRANSLUCENT ROOF ASSEMBLY	
	48" X 96" TRANSLUCENT ROOF ASSEMBLY	
	WALLS TO BE SEALED TO ROOF DECK TO SEPARATE PLENUM AREAS (NON-COMBUSTIBLE METAL ROOF DECK) FROM NON PLENUM AREAS (COMBUSTIBLE HEAVY TIMBER ROOF DECK)	
	EXIT SIGN	

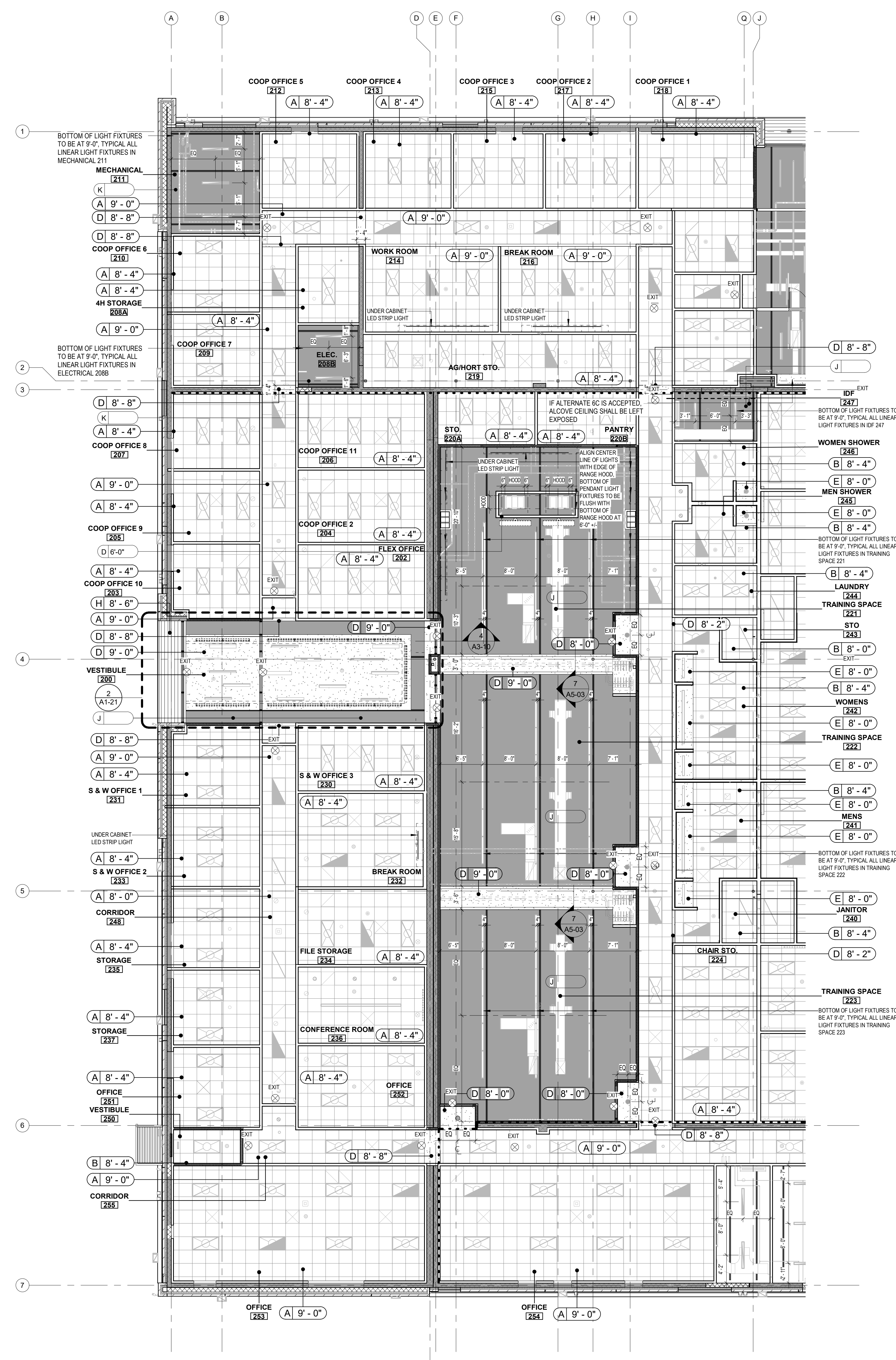
GENERAL NOTES:
 1. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR COMPLETE SCOPE OF CEILING PENETRATIONS AND FIXTURES.
 2. REFER TO PROJECT SPECIFICATIONS FOR COMPLETE DESCRIPTION OF CEILING MATERIAL.



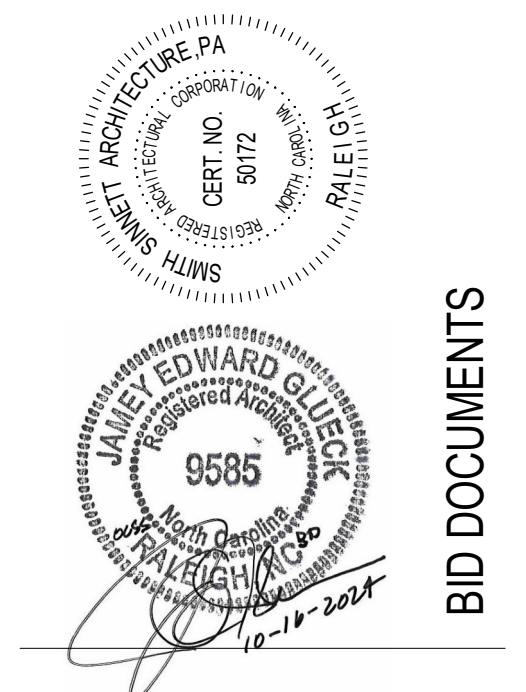
3 SECTION THROUGH LOBBY 201 GYPSUM CEILING
 A1-21 1/4" = 1'-0"



2 ENLARGED REFLECTED CEILING PLAN - VESTIBULE 200 AND LOBBY 201
 A1-21 1/4" = 1'-0"



1 REFLECTED CEILING PLAN - AREA B
 A1-21 1/8" = 1'-0"

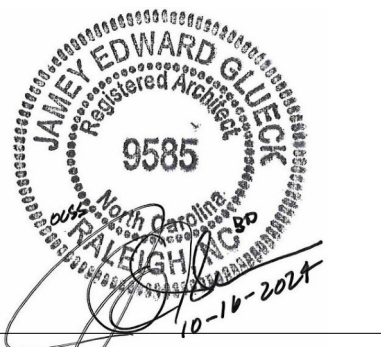
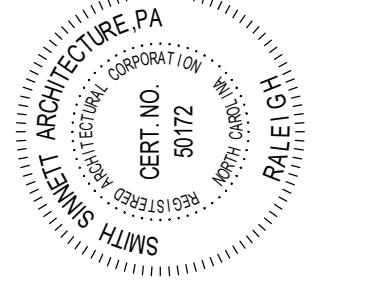


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 Onslow County Government
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ID	DATE	DESCRIPTION

DRAWN BY: RM, FA, NB
 CHECKED BY: JEG
 REFLECTED CEILING PLAN - AREA B



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ID DATE DESCRIPTION

ROOF LEGEND:

	INDICATES DIRECTION OF ROOF SLOPE ACHIEVED THROUGH TAPERED INSULATION
DS	PREFINISHED ALUMINUM DOWNSPOUT, TYPICAL
WC-DS	PREFINISHED ALUMINUM DOWNSPOUT UNDER PROTECTIVE WALKWAY COVERING
	LOCATION OF SPOT ELEVATION
	BASE INSULATION + THICKNESS OF TAPERED INSULATION + 5/8" COVERBOARD + 1/8" SINGLY PLY ROOF MEMBRANE

ROOF TYPES LEGEND:

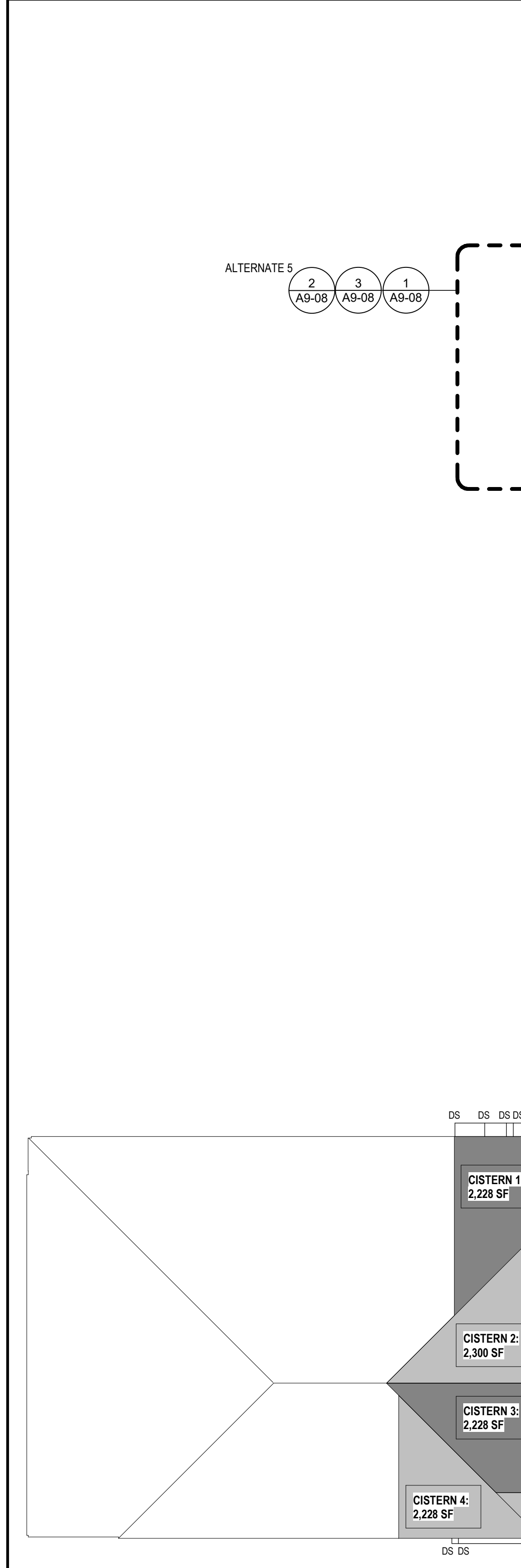
A1	ROOF TYPE: ROOF MEMBRANE SYSTEM OVER COVER BOARD OVER TAPERED RIGID INSULATION OVER BASE LAYER OF INSULATION OVER NEW PLYWOOD OVER EXISTING HEAVY TIMBER ROOF DECK
A2	ROOF TYPE: ROOF MEMBRANE SYSTEM OVER COVER BOARD OVER TAPERED RIGID INSULATION OVER BASE LAYER OF INSULATION OVER EXISTING METAL ROOF DECK
A3	ROOF TYPE: ROOF MEMBRANE SYSTEM OVER COVER BOARD OVER SLOPED RIGID INSULATION OVER BASE LAYER OF INSULATION OVER NEW METAL ROOF DECK
B	ROOF TYPE: ALUMINUM WALKWAY COVERING
C	ROOF TYPE: ROOF MEMBRANE SYSTEM OVER COVER BOARD OVER NEW METAL ROOF DECK

ROOF PLAN NOTES:

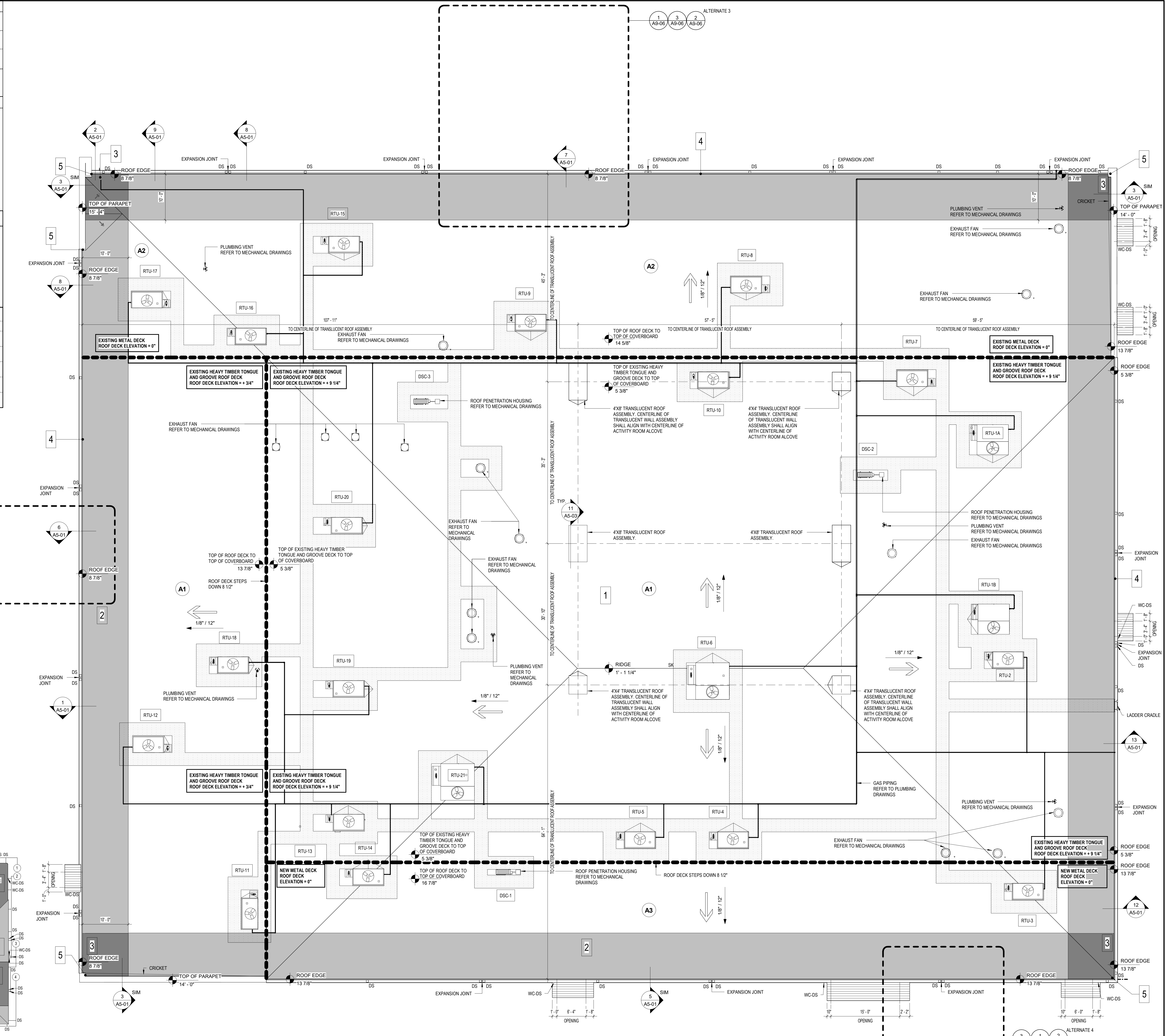
- CRICKETS TO SLOPE 1/4" PER FOOT. DRAWINGS ARE INTENDED TO SHOW DESIGN INTENTION SHALL PROVIDE SUBMITTAL DRAWINGS OF TAPERED INSULATION PRIOR TO INSTALL TO ENSURE POSITIVE SLOPE TO DRAINS.
- REFER TO CIVIL DRAWINGS FOR DRAINAGE AWAY FROM BUILDING.
- PROVIDE CRICKET AT ALL ROOF CURBS. SLOPE 1/2" PER FOOT TYP.
- REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ROOF EQUIPMENT SPECIFICATIONS.
- REFER TO 2/A1-30 FOR ROOF AREA DESIGNATED TO WATER CISTERNS

WIND UPLIFT ROOF ZONES

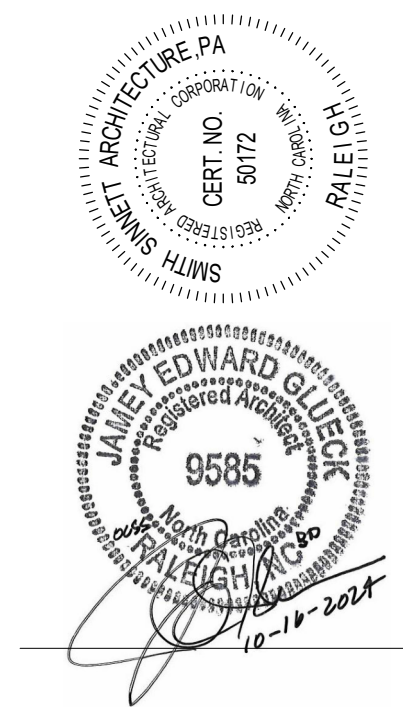
MARK	DESCRIPTION
1	ROOF AREA FIELD
2	ROOF AREA PERIMETER
3	ROOF AREA CORNERS
4	WALL EDGE PERIMETER
5	WALL EDGE CORNERS



2 A1-30 CISTERN ROOF AREA ZONES
1" = 40'-0"



1 A1-30 ROOF PLAN
1/8" = 1'-0"

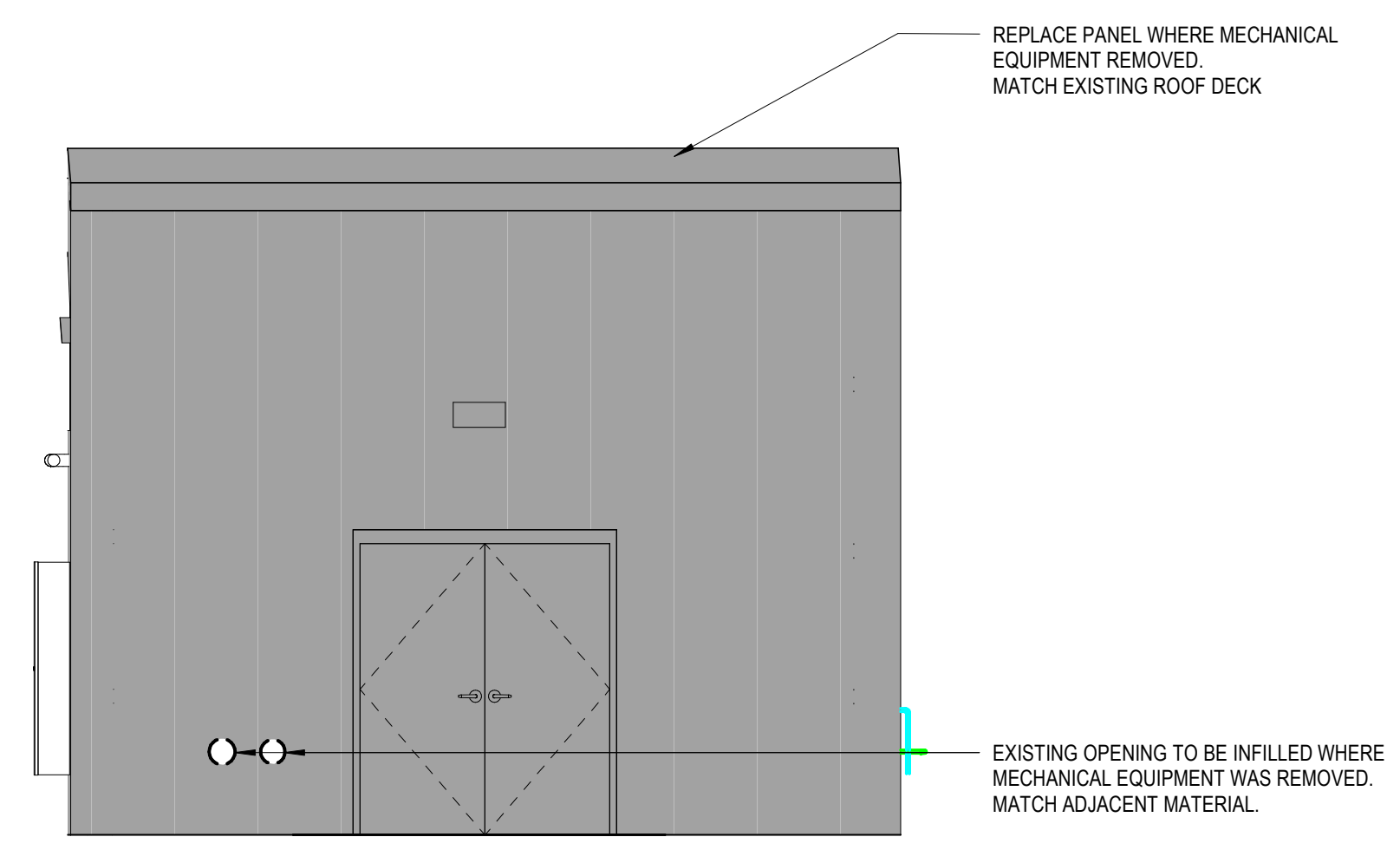


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Smith Sinnett Architecture, P.A. 2024
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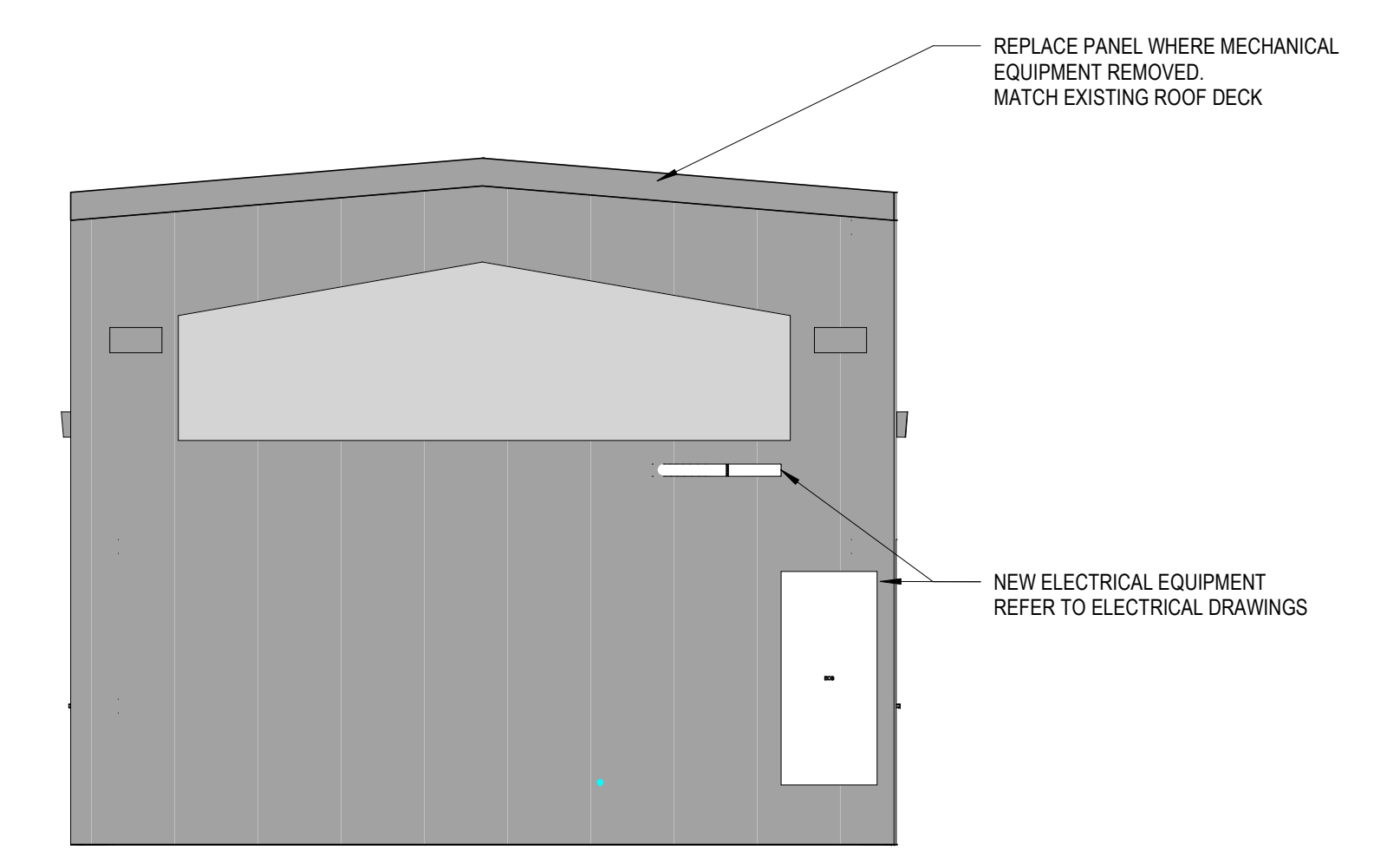
**Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540**

ID	DATE	DESCRIPTION

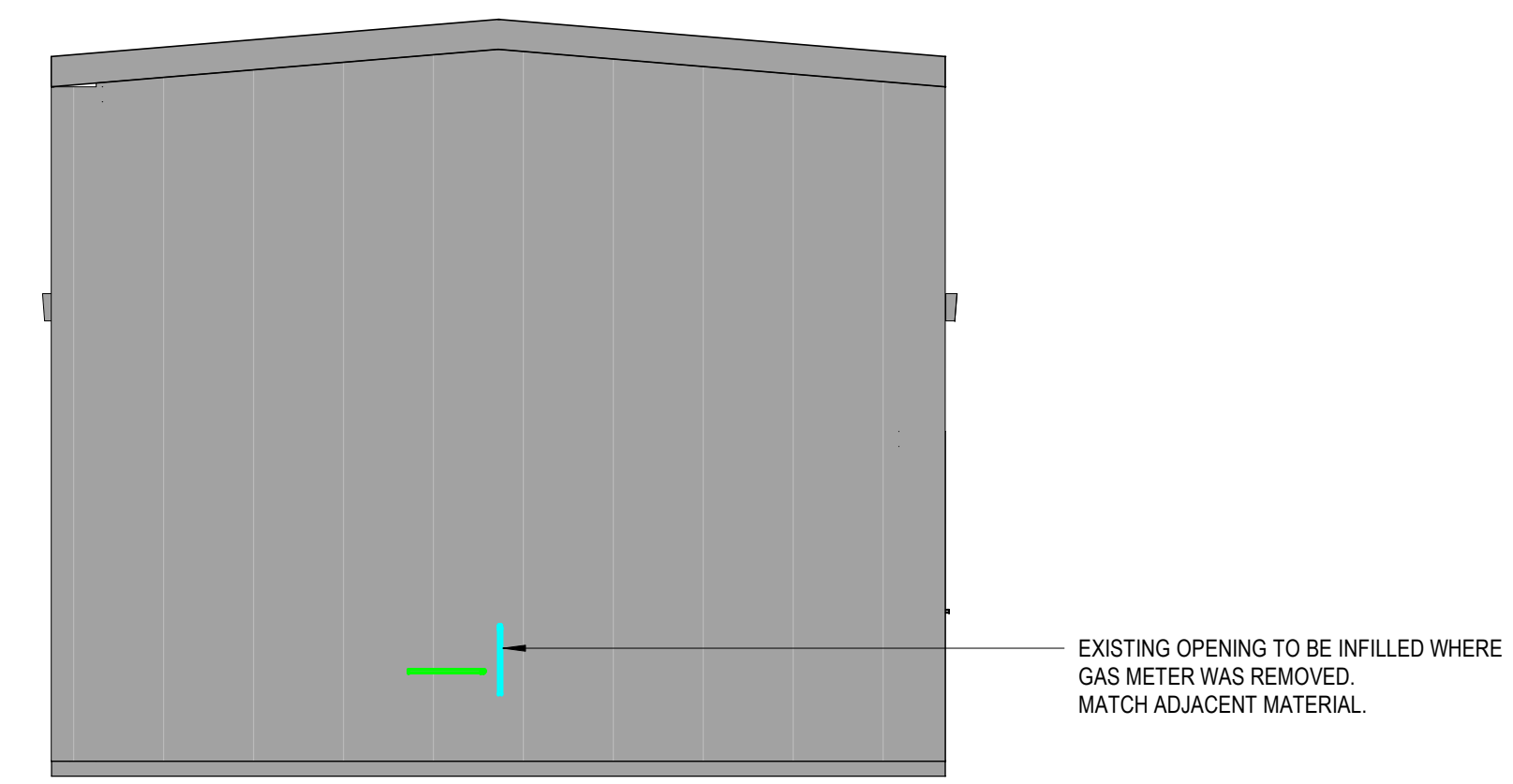
DRAWN BY: FANB
CHECKED BY: JEG
**MECHANICAL
BUILDING PLANS**



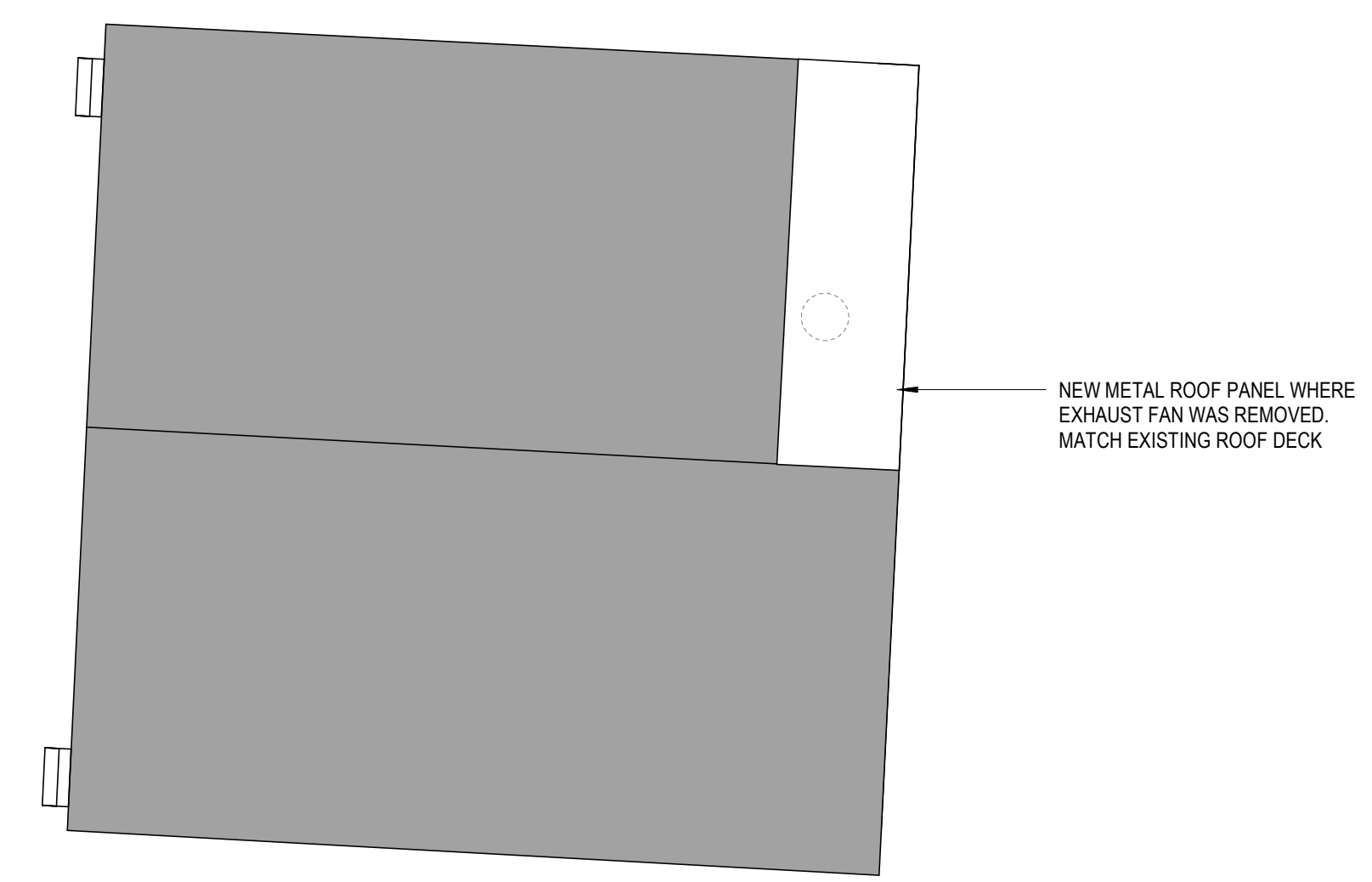
8 MECHANICAL BUILDING - SOUTH ELEVATION
A1-31 1/4" = 1'-0"



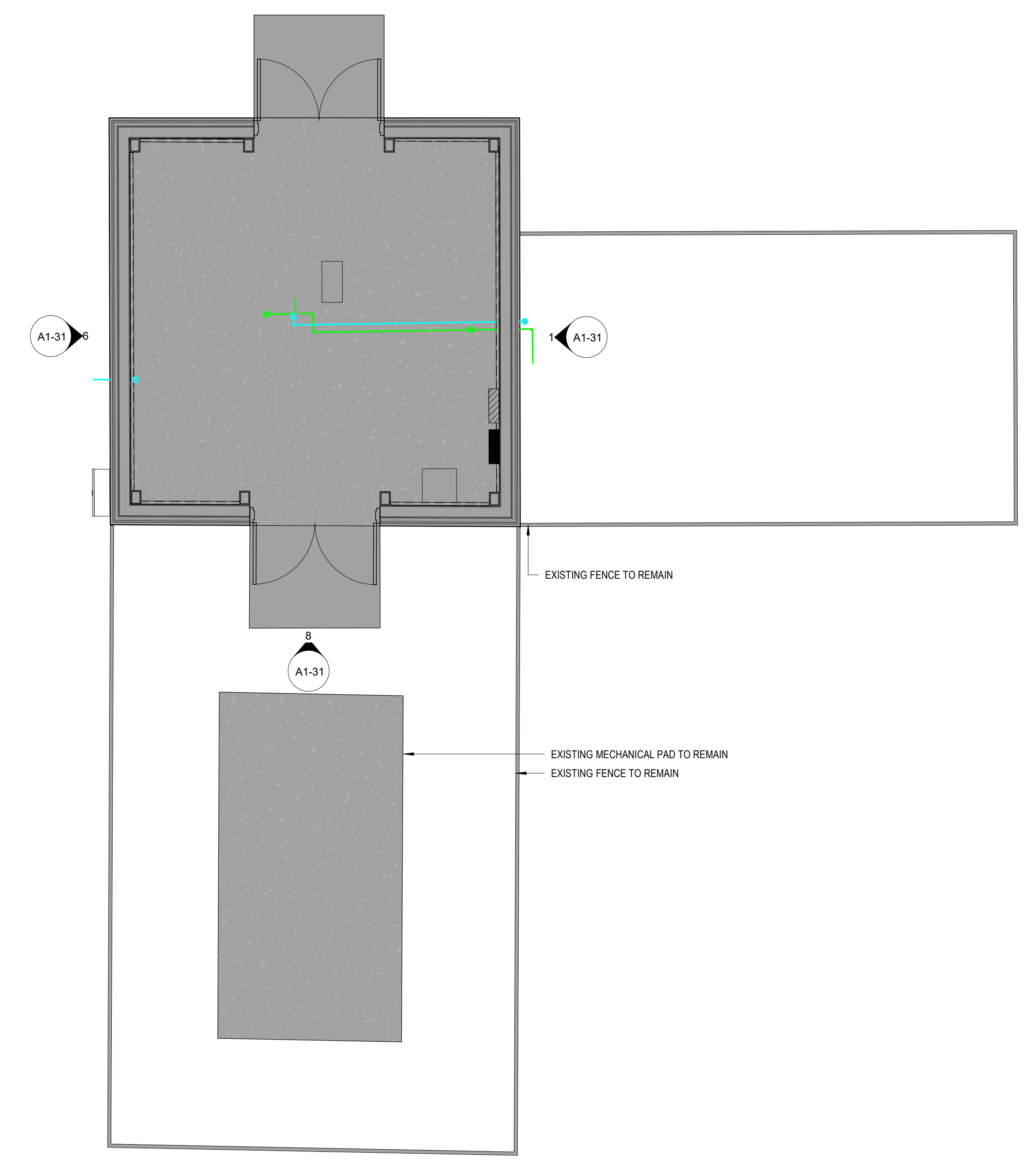
6 MECHANICAL BUILDING - EAST ELEVATION
A1-31 1/4" = 1'-0"



1 MECHANICAL BUILDING - WEST ELEVATION
A1-31 1/4" = 1'-0"

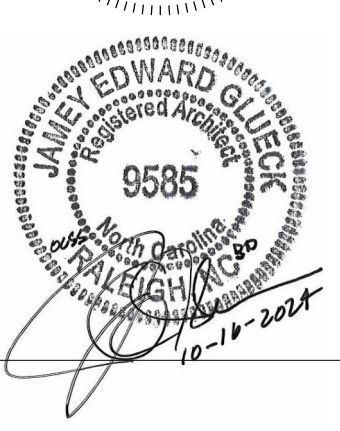
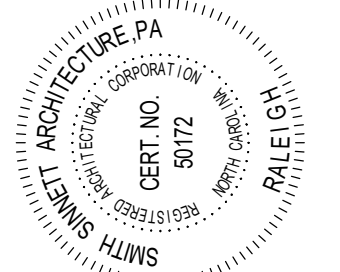


10 MECHANICAL BUILDING - ROOF PLAN
A1-31 1/4" = 1'-0"



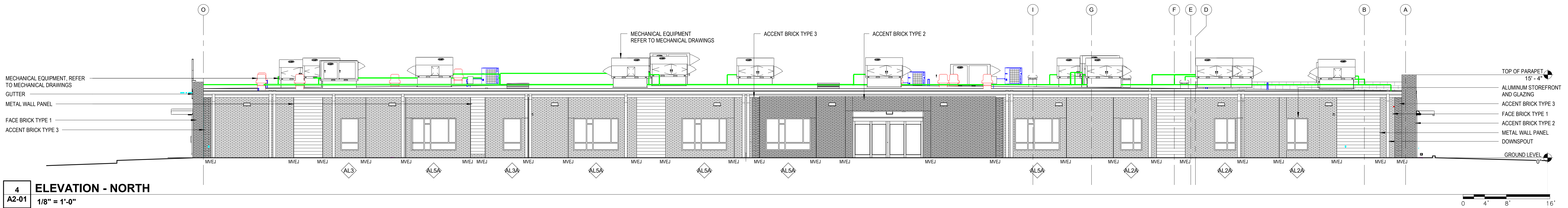
3 MECHANICAL BUILDING - FLOOR PLAN
A1-31 1/4" = 1'-0"

C:\Users\jason\Documents\2021029 OC Senior Services - final\SEKS.rvt 10/23/2024 1:31:05 PM

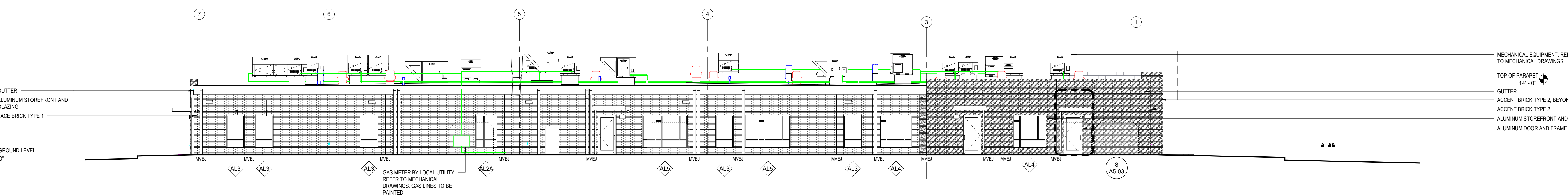


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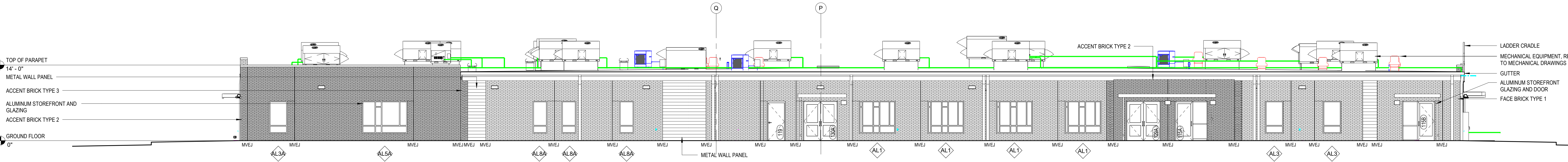
THIS DRAWING IS CONSIDERED TO BE PRINTED ON A 32" X 42" SHEET



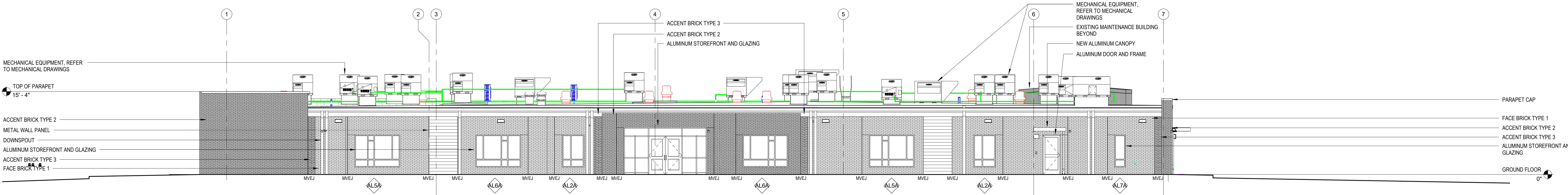
4 ELEVATION - NORTH
A2-01
1/8" = 1'-0"



3 ELEVATION - EAST
A2-01
1/8" = 1'-0"



2 ELEVATION - SOUTH
A2-01
1/8" = 1'-0"



1 ELEVATION - WEST
A2-01
1/8" = 1'-0"

Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS

TOP OF PARAPET 14'-0"

GUTTER

ACCENT BRICK TYPE 2, BEYOND

ACCENT BRICK TYPE 2

ALUMINUM STOREFRONT AND GLAZING

ALUMINUM DOOR AND FRAME

GROUND FLOOR

0' 4' 8' 16'

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS

TOP OF PARAPET 15'-4"

METAL WALL PANEL

ACCENT BRICK TYPE 3

ALUMINUM STOREFRONT AND GLAZING

ACCENT BRICK TYPE 2

GROUND FLOOR

0' 4' 8' 16'

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS

EXISTING MAINTENANCE BUILDING BEYOND

NEW ALUMINUM CANOPY

ALUMINUM DOOR AND FRAME

PARAPET CAP

FACE BRICK TYPE 1

ACCENT BRICK TYPE 2

ACCENT BRICK TYPE 3

ALUMINUM STOREFRONT AND GLAZING

GROUND FLOOR

0' 4' 8' 16'

DRAWN BY: FA

CHECKED BY: JEG

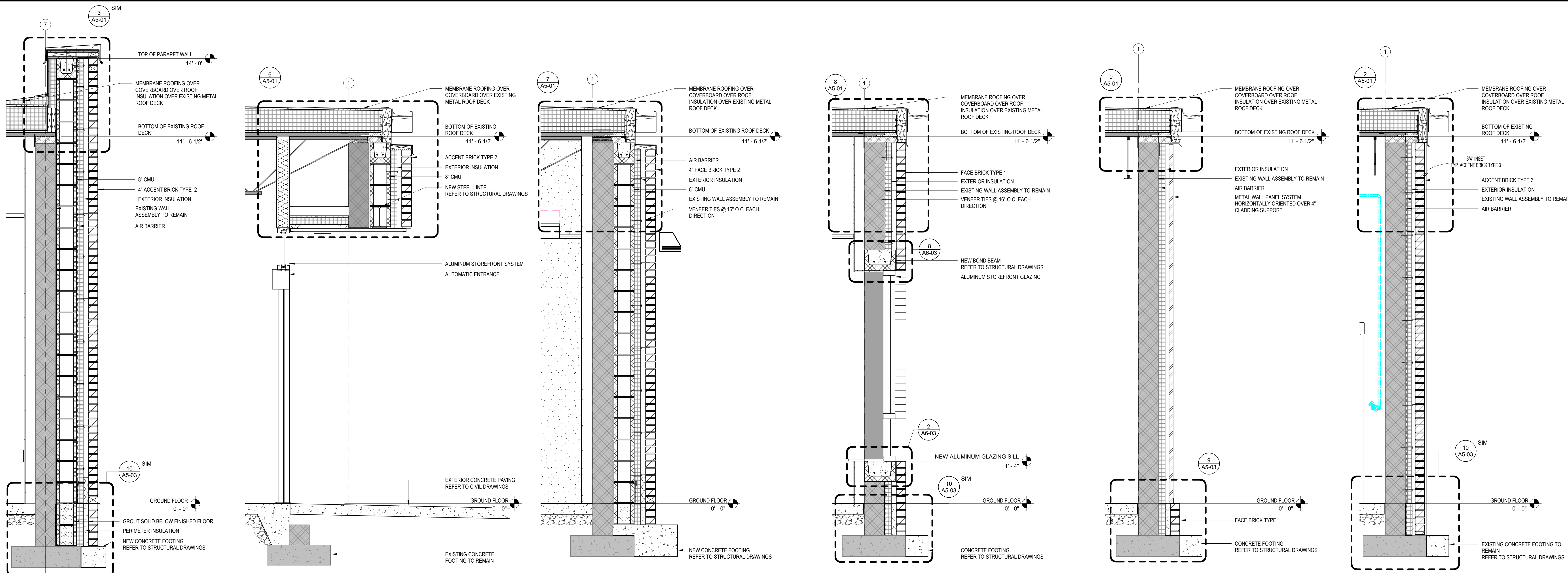
OVERALL BUILDING ELEVATIONS

2021029 16 OCT. 2024

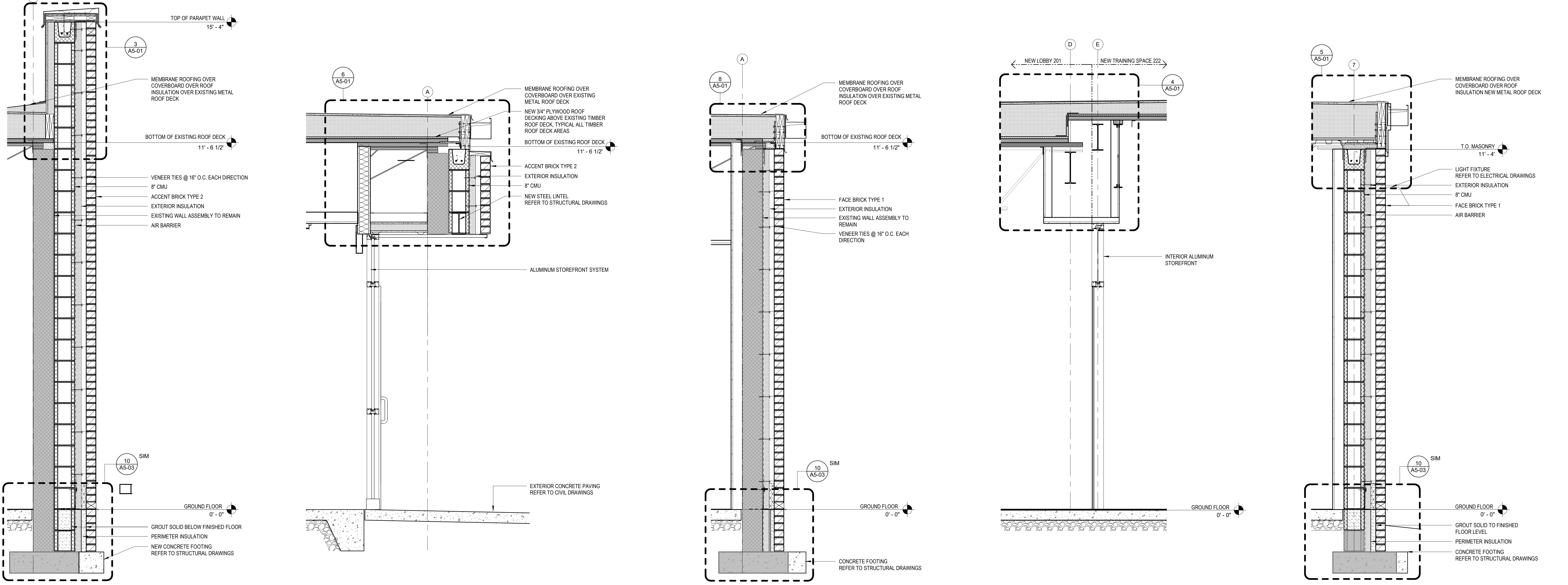
A2-01

ID	DATE	DESCRIPTION

DRAWN BY: RM, FA
CHECKED BY: JEG
WALL SECTIONS



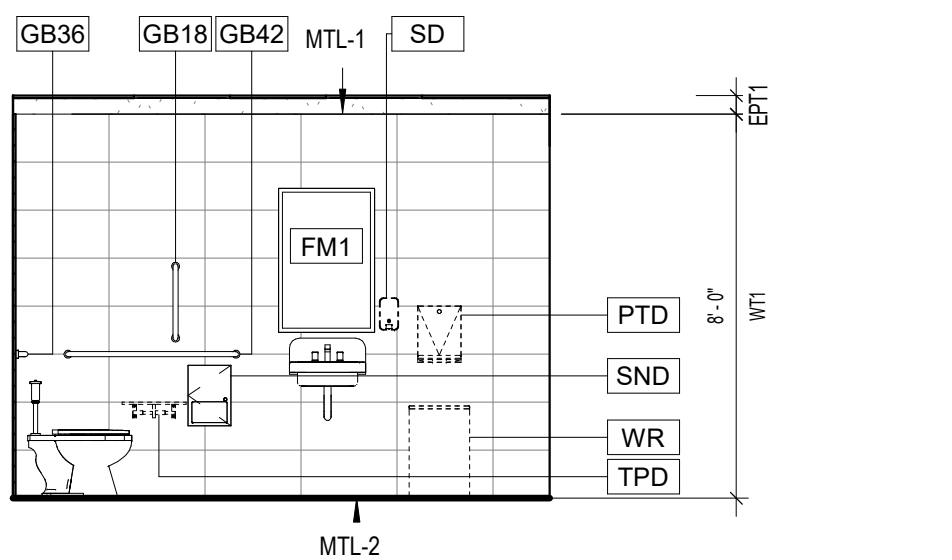
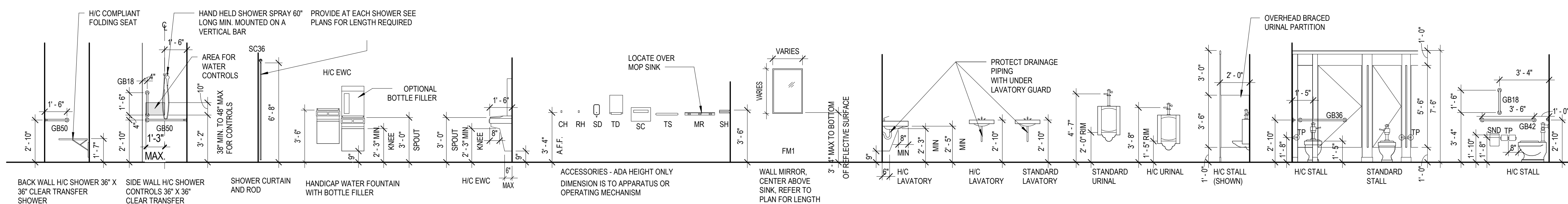
6 WALL SECTION 3/4" = 1'-0" **7 WALL SECTION** 3/4" = 1'-0" **8 WALL SECTION** 3/4" = 1'-0" **9 WALL SECTION** 3/4" = 1'-0" **10 WALL SECTION** 3/4" = 1'-0"



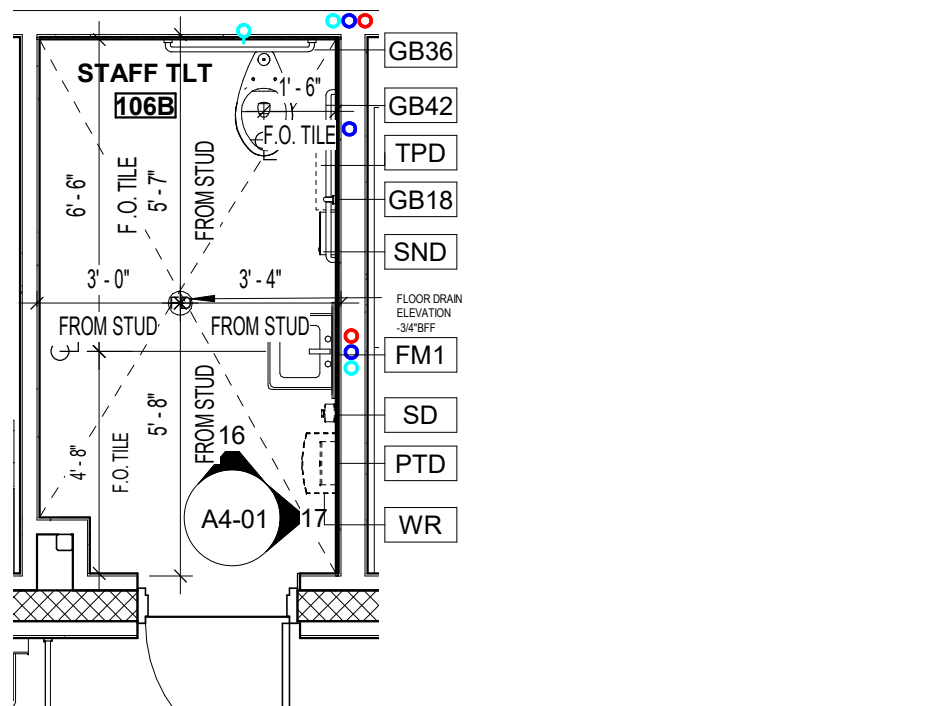
1 WALL SECTION 3/4" = 1'-0" **2 WALL SECTION** 3/4" = 1'-0" **3 WALL SECTION** 3/4" = 1'-0" **4 WALL SECTION** 3/4" = 1'-0" **5 WALL SECTION** 3/4" = 1'-0"

C:\Users\jacob@smithsinnett.com\Documents\2021029 OC Senior Services - Facade\SEKS v4 10/20/24 1:31:06 PM

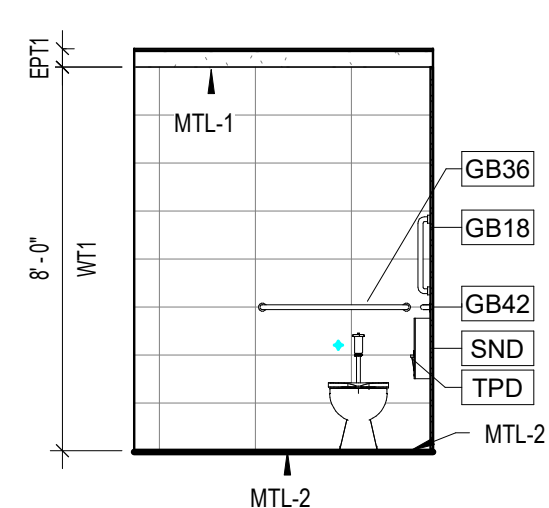
- MTL-1 METAL TRIM- SCHLUTER - JOLLY (DETAIL 10/ A6-02)
- MTL-2 METAL TRIM- SCHLUTER - DILEX-EHK (DETAIL 12/ A6-02)
- MTL-3 METAL TRIM- SCHLUTER - QUADec (DETAIL 11/ A6-02)



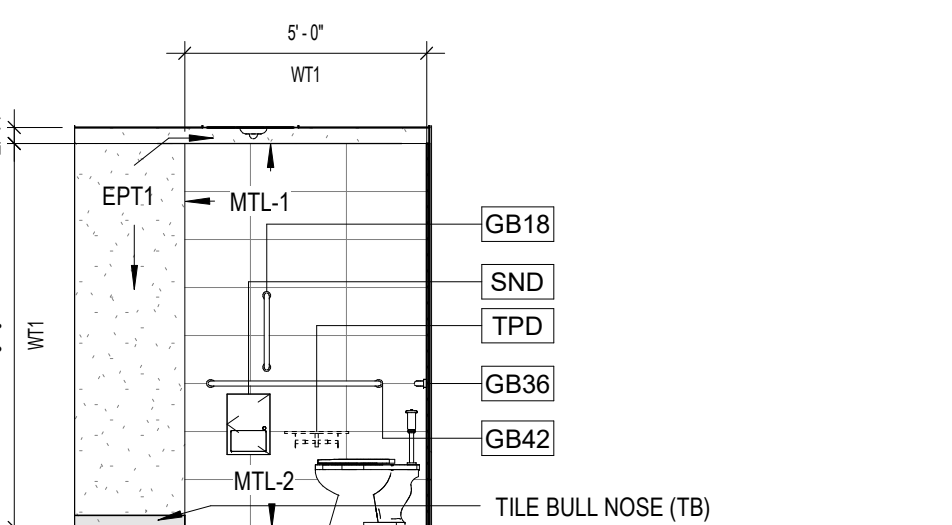
17 TOILET 106B - EAST ELEVATION
A4-01 1/4" = 1'-0"



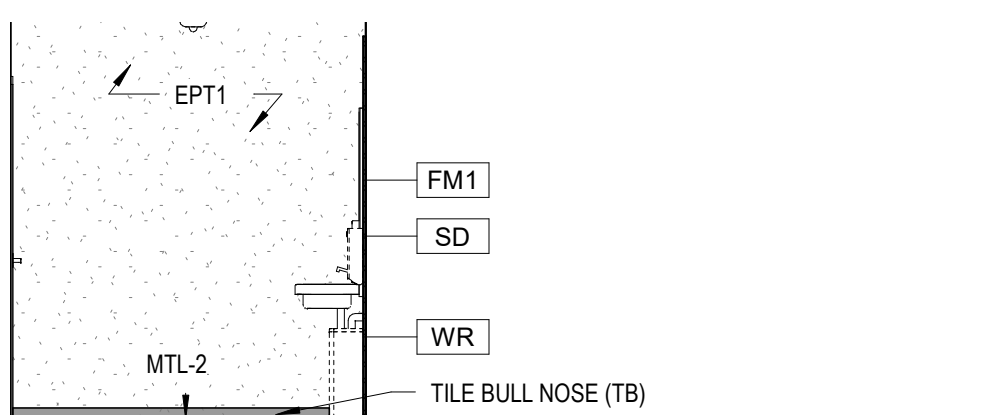
15 ENLARGED ANNOTATION PLAN - TOILET 106B
A4-01 1/4" = 1'-0"



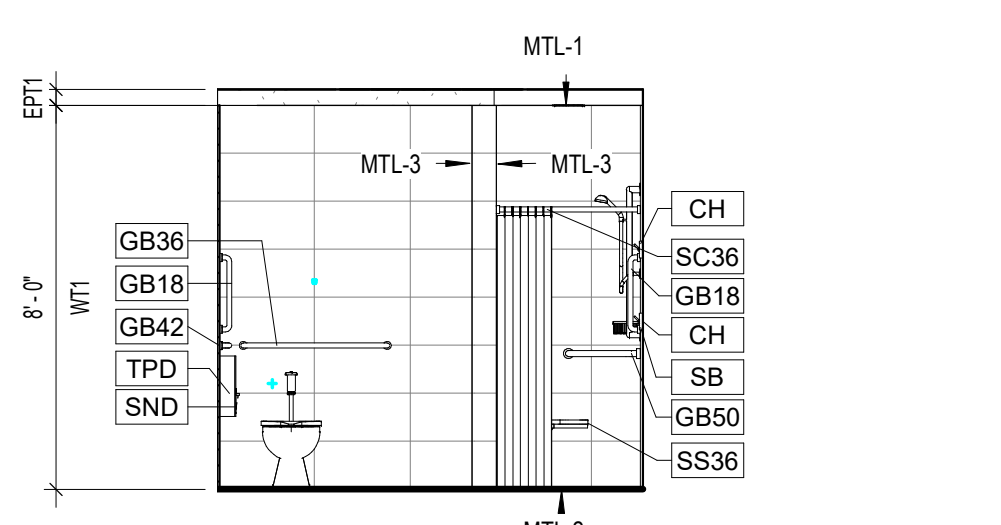
16 TOILET 106B - NORTH ELEVATION
A4-01 1/4" = 1'-0"



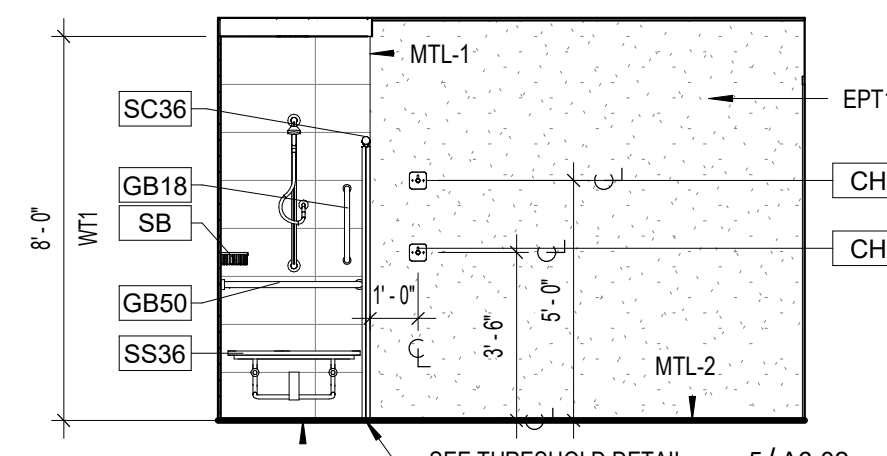
11 TOILET 104I - WEST ELEVATION
A4-01 1/4" = 1'-0"



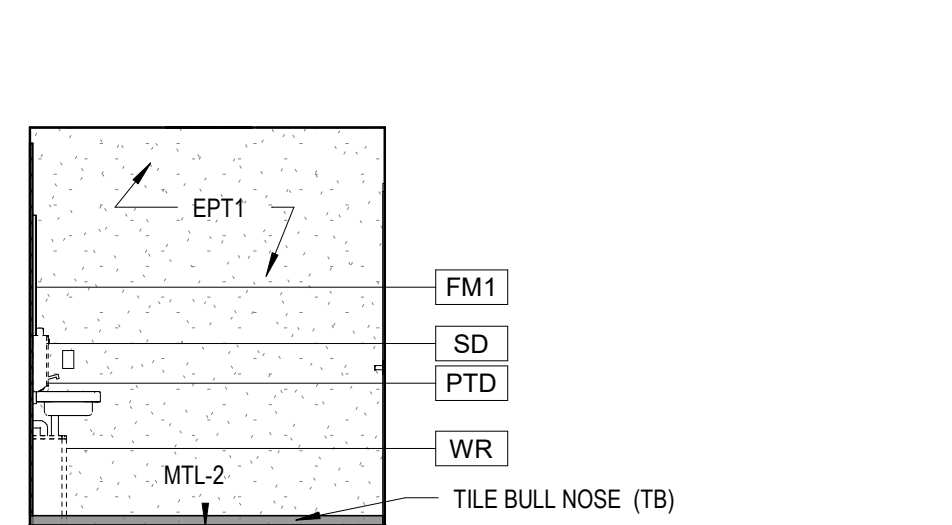
12 TOILET 104J - WEST ELEVATION
A4-01 1/4" = 1'-0"



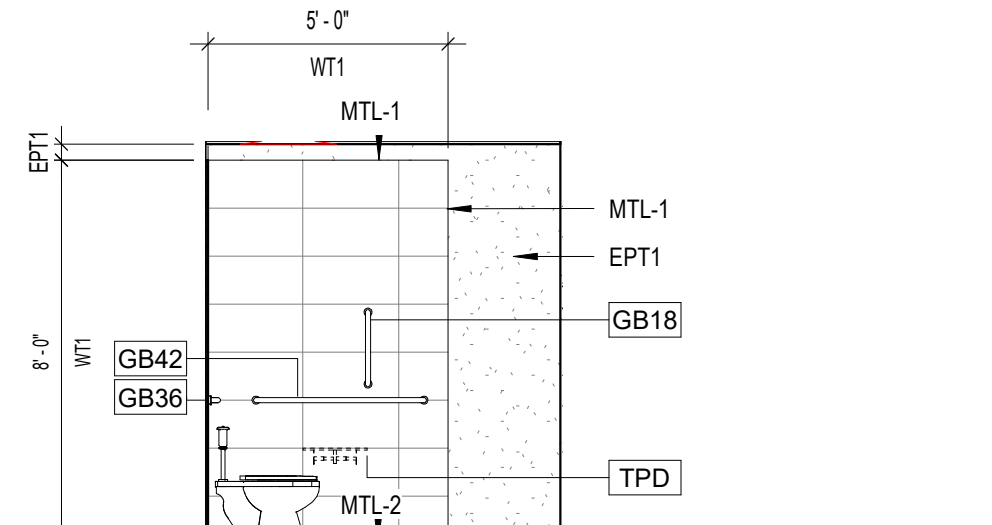
13 TOILET 113C - EAST ELEVATION
A4-01 1/4" = 1'-0"



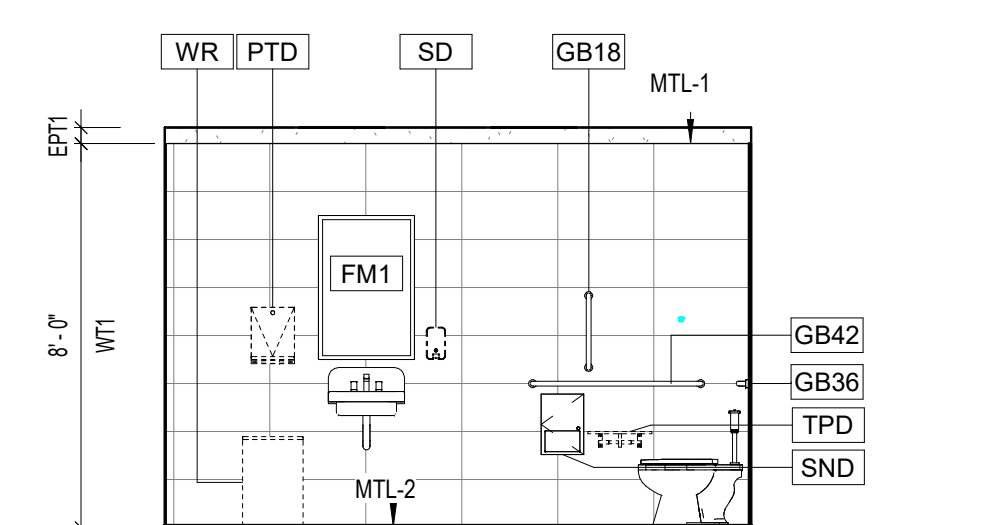
14 113C TOILET - SHOWER
A4-01 1/4" = 1'-0"



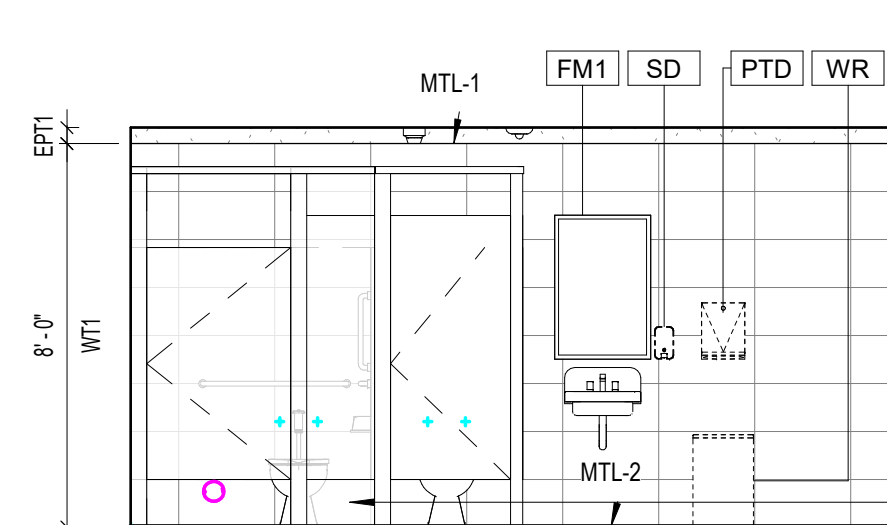
6 TOILET 104I - EAST ELEVATION
A4-01 1/4" = 1'-0"



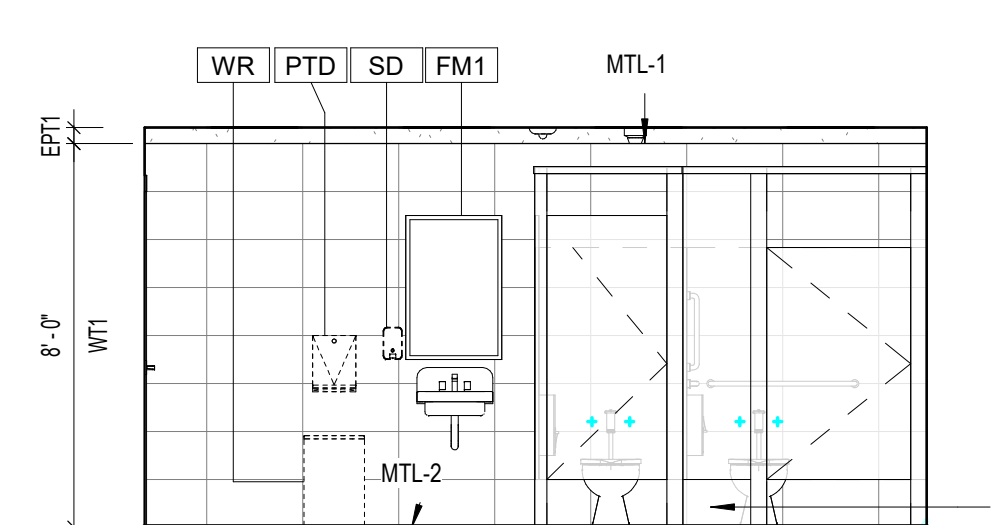
7 TOILET 104J - EAST ELEVATION
A4-01 1/4" = 1'-0"



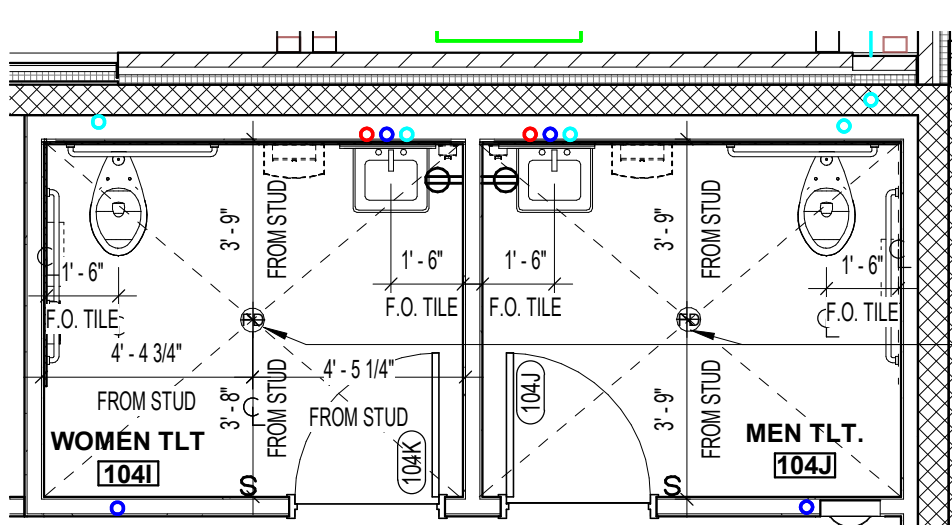
8 TOILET 113C - NORTH ELEVATION
A4-01 1/4" = 1'-0"



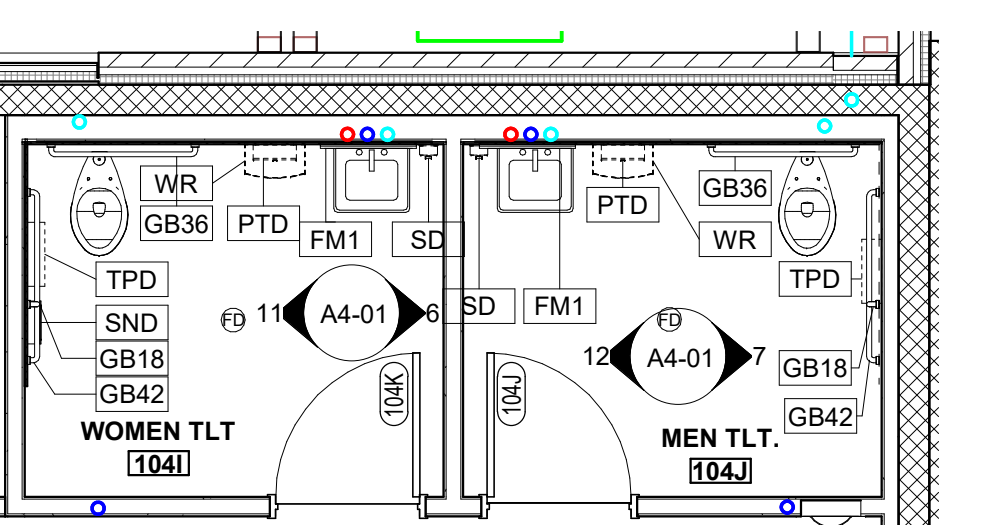
9 TOILET 115B - EAST ELEVATION
A4-01 1/4" = 1'-0"



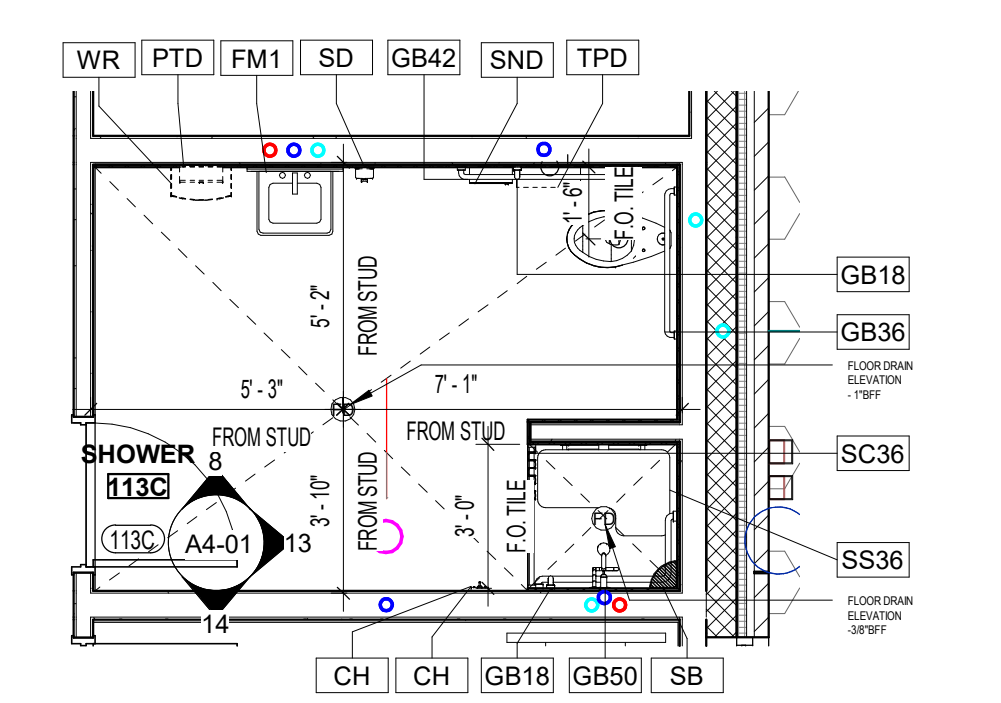
10 TOILET 115C - WEST ELEVATION
A4-01 1/4" = 1'-0"



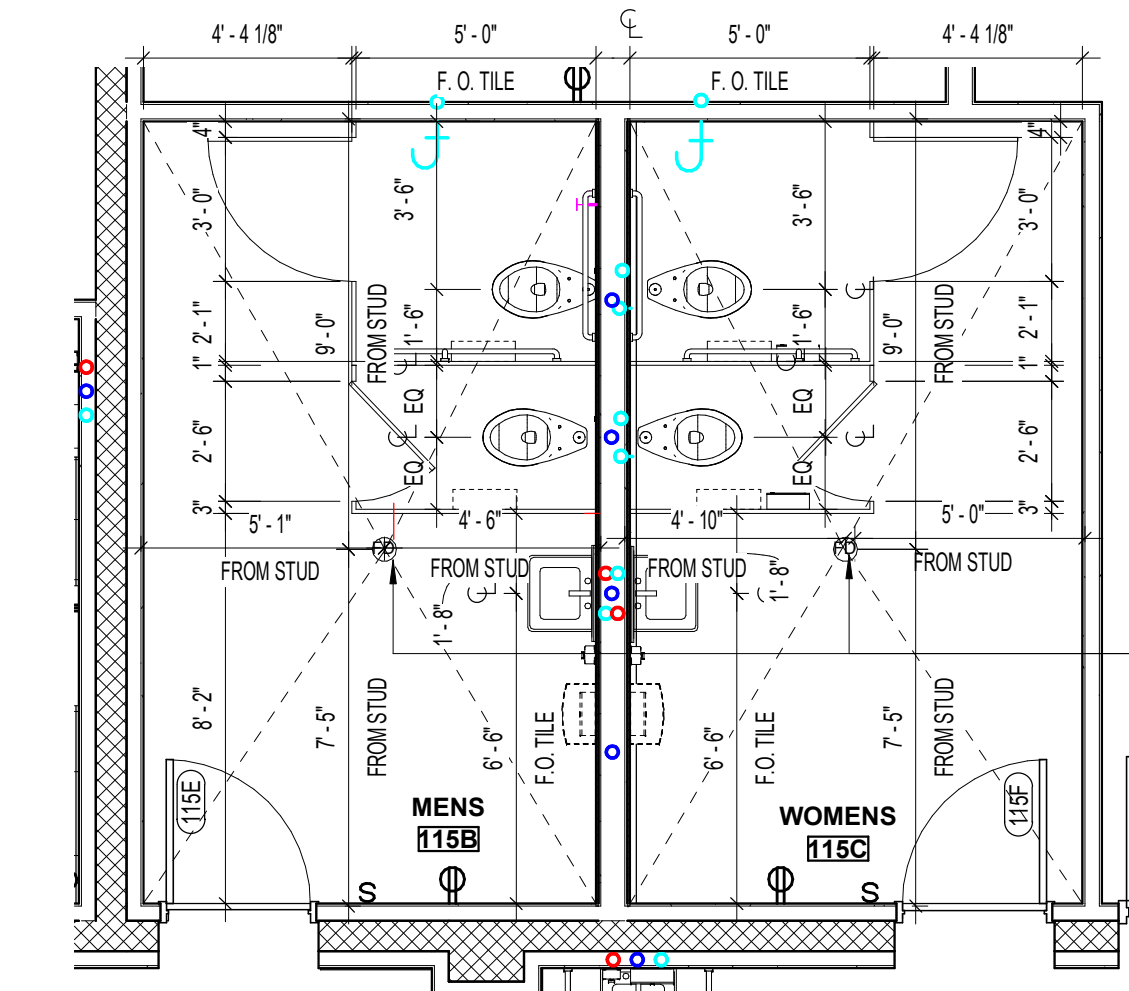
1 ENLARGED DIMENSION PLAN - TOILETS 104I AND 104J
A4-01 1/4" = 1'-0"



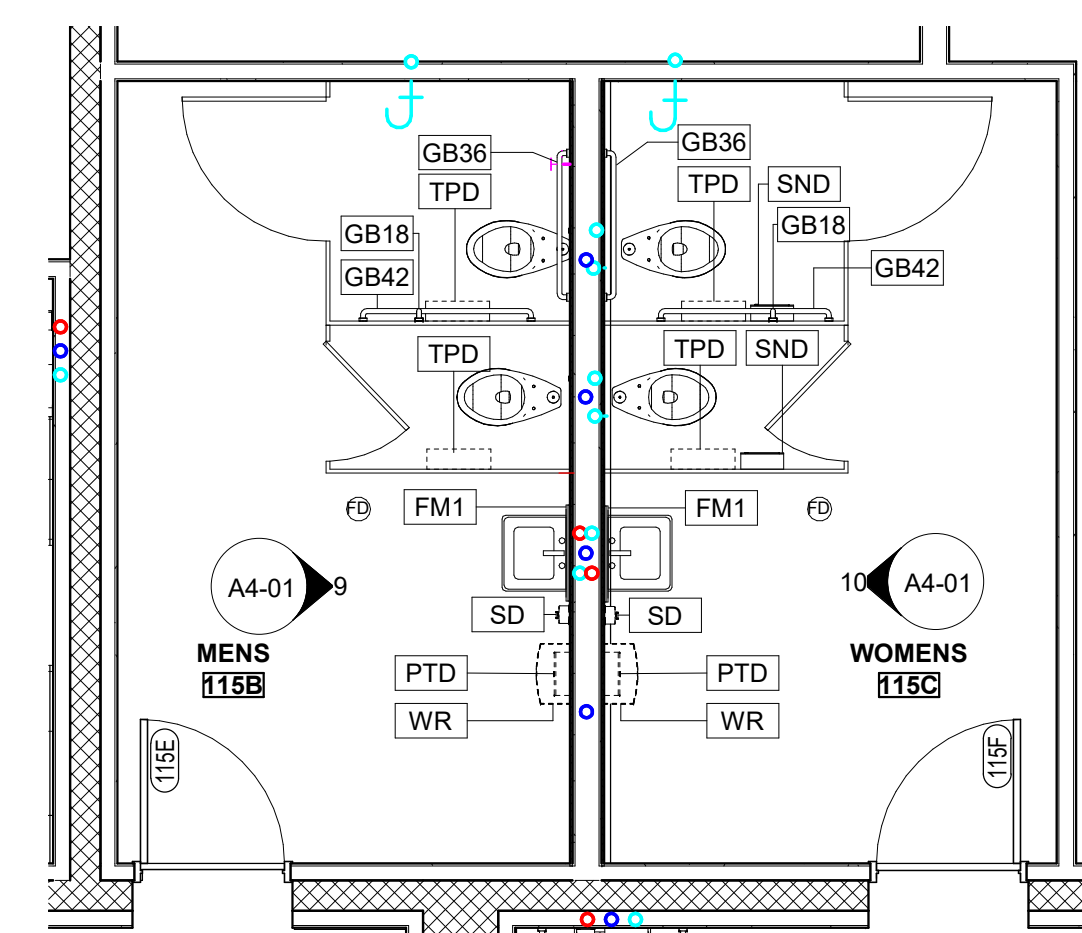
2 ENLARGED ANNOTATION PLAN - TOILETS 104I AND 104J
A4-01 1/4" = 1'-0"



3 ENLARGED ANNOTATION AND DIMENSION PLAN - TOILET 113C
A4-01 1/4" = 1'-0"

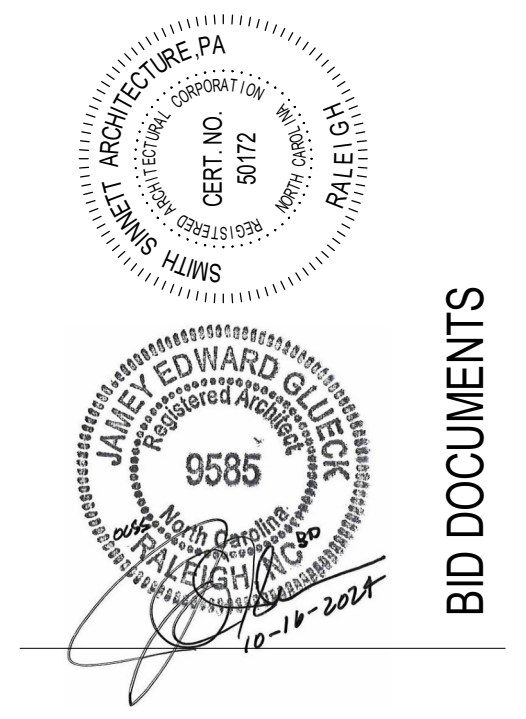


4 ENLARGED DIMENSION PLAN - TOILETS 115B AND 115C
A4-01 1/4" = 1'-0"



5 ENLARGED ANNOTATION PLAN - TOILETS 115B AND 115C
A4-01 1/4" = 1'-0"

MARK	MODEL	DESCRIPTION	FURNISHED BY/INSTALLED BY	MOUNTING HEIGHT	MANUFACTURER	REMARKS
CH	123	CLOTHES HOOK - SURFACE MOUNTED	CFCI	60" A.F.F. TO CENTER HIGH HOOK, 42" A.F.F. TO CENTER LOW HOOK	ASI	
CS	KB310-SSWM	BABY CHANGING STATION	CFCI	34" A.F.F. TO CENTER OF FIXTURE	BRADLEY	STAINLESS STEEL EXTERIOR
FM1	B-165	40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE	CFCI	40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE	BOBRICK	TEMPERED GLASS CHANNEL FRAME MIRROR
FM2	8287	Mirror - Frameless - Polished Plate Glass - 1/4" Thick (8287)	CFCI	4" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE	BOBRICK	TEMPERED GLASS CHANNEL FRAMELESS MIRROR
GB18	B-6806	1 1/2" DIA. X 18" S.S. VERTICAL GRAB BAR - PEENED	CFCI	34" A.F.F. TO CENTER OF FIXTURE	BOBRICK	
GB36	B-6806	1 1/2" DIA. X 36" S.S. GRAB BAR - PEENED	CFCI	34" A.F.F. TO CENTER OF FIXTURE	BOBRICK	
GB42	B-6806	1 1/2" DIA. X 42" S.S. GRAB BAR - PEENED	CFCI	34" A.F.F. TO CENTER OF FIXTURE	BOBRICK	
GB50	B-6861	1 1/2" DIA. X 16" X 30" S.S. GRAB BAR - PEENED	CFCI	34" A.F.F. TO TOP OF BAR	BOBRICK	
MR	8215-4	MOP RACK - 4 HOLDERS	CFCI		ASI	ASI 1315
PTD	--	SURFACE MOUNTED PAPER TOWEL DISPENSER	OFCI	40" A.F.F. TO POINT OF DISPENSION		
SB	K-1896-S	MEDIUM SHOWER BASKET	CFCI	40" A.F.F. TO TOP	ASI	ASI 7322
SC36	1204	36" HEAVY DUTY S.S. SHOWER CURTAIN ROD ASI 1214, VINYL CURTAIN ASI-1200V, AND S.S. HOOKS ASI 1200-SHU	CFCI	80" A.F.F. TO BOTTOM OF BAR	ASI	
SD	--	S.S. SURFACE MOUNTED VERTICAL LIQUID SOAP DISPENSER	OFCI	40" A.F.F. TO POINT OF DISPENSION	<varies>	
SND	B-254	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	CFCI	24" MAX TO POINT OF DISPENSION	BOBRICK	
SS36	8206	36" FOLDING SHOWER SEAT	CFCI	17"-19" A.F.F. TO TOP OF SEAT	ASI	
TPD	--	SURFACE MOUNTED TOILET TISSUE DISPENSER WITH UTILITY SHELF	OFCI	20" TO POINT OF DISPENSION	BOBRICK	
US	1315-4	SHELF/ UTILITY HOOK & MOP STRIP	CFCI	56" ABOA VE STAINLESS STEEL PANEL	ASI	
WR	--	WASTE RECEPTACLE	OFOI	FLOOR MOUNTED		



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THIS DRAWING IS CONSIDERED TO BE PRINTED ON A 32" X 42" SHEET

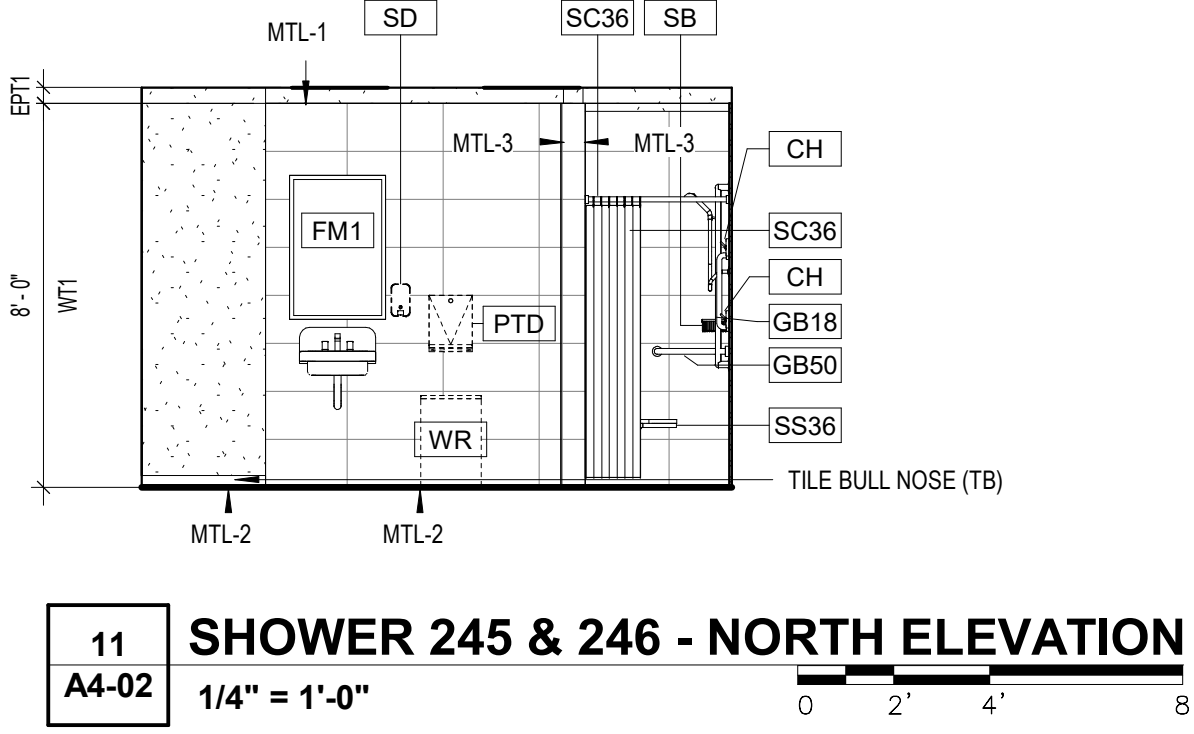
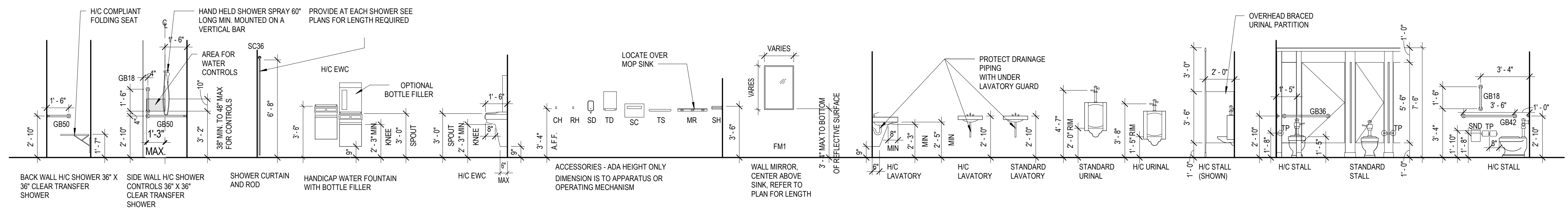
Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION
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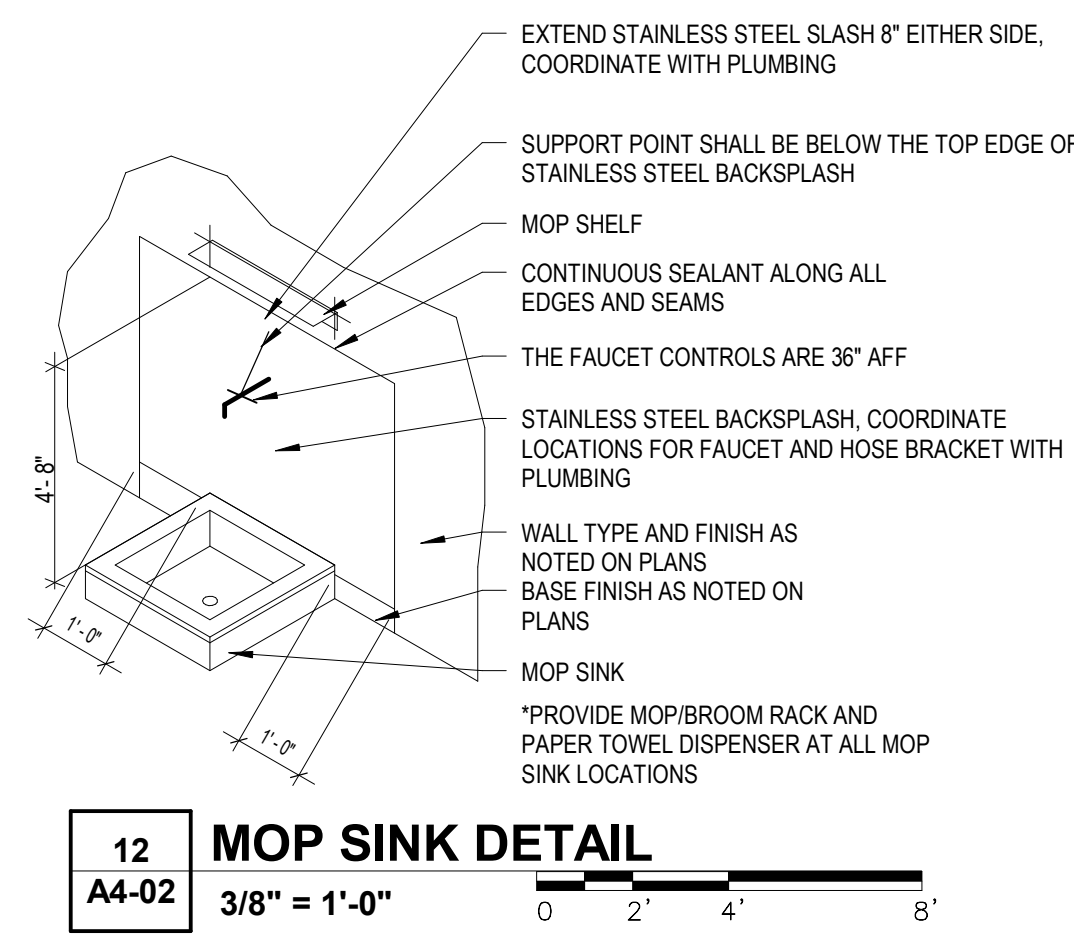
DRAWN BY: RM, FA, NB
CHECKED BY: JEG

ENLARGED TOILET PLANS AND ELEVATIONS

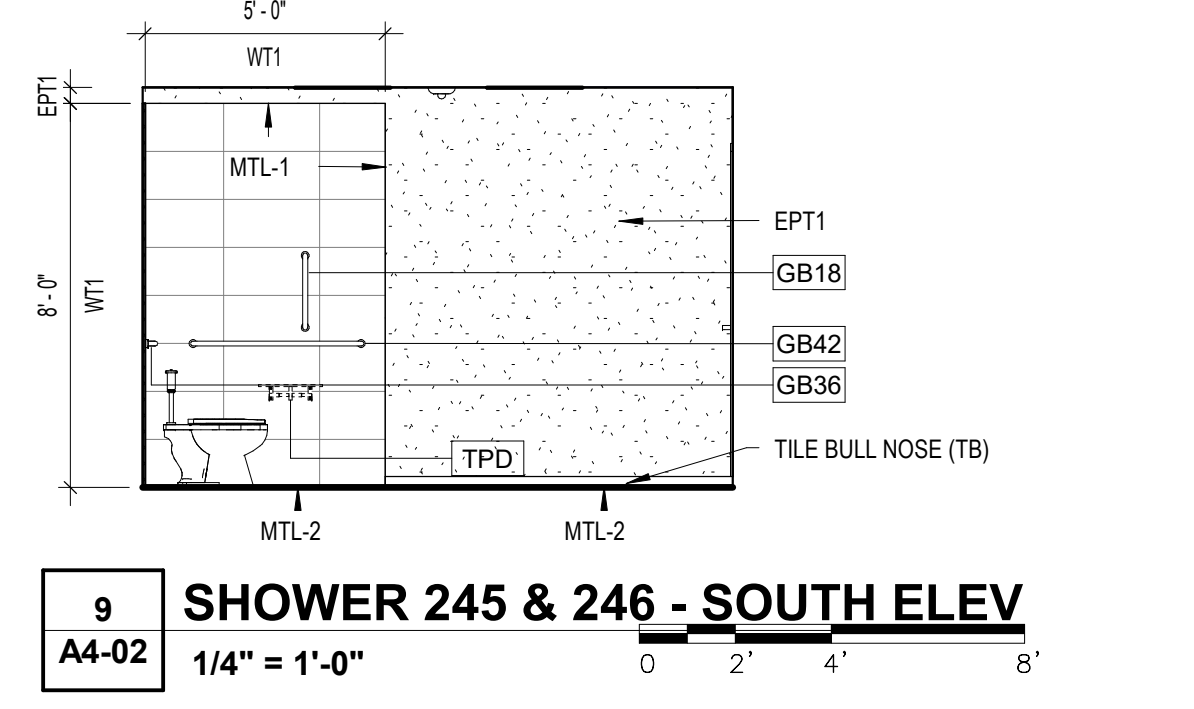
MTL-1 METAL TRIM-SCHLUTER - JOLLY (DETAIL 10/ A6-02)
 MTL-2 METAL TRIM-SCHLUTER - DILEX-EHK (DETAIL 12/ A6-02)
 MTL-3 METAL TRIM-SCHLUTER - QUADEC (DETAIL 11/ A6-02)



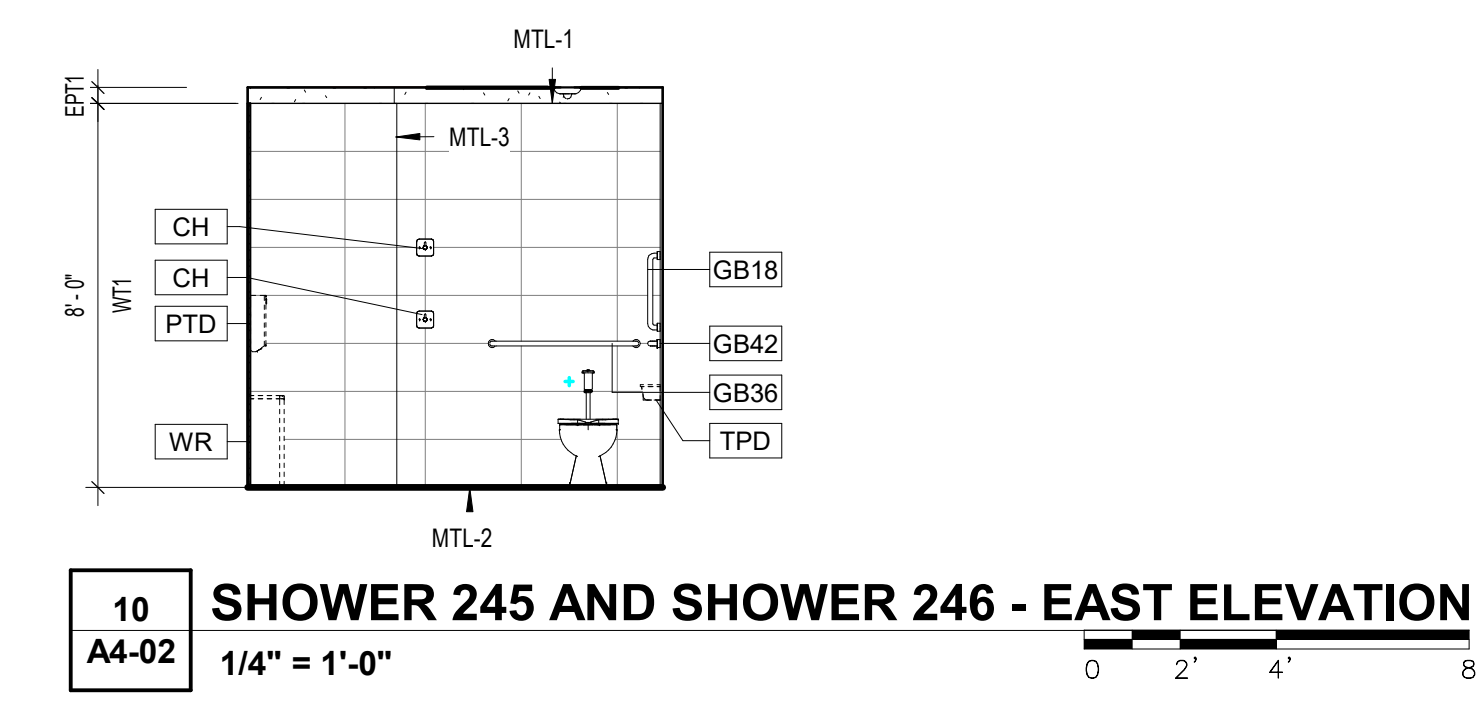
11 SHOWER 245 & 246 - NORTH ELEVATION
 A4-02 1/4" = 1'-0"



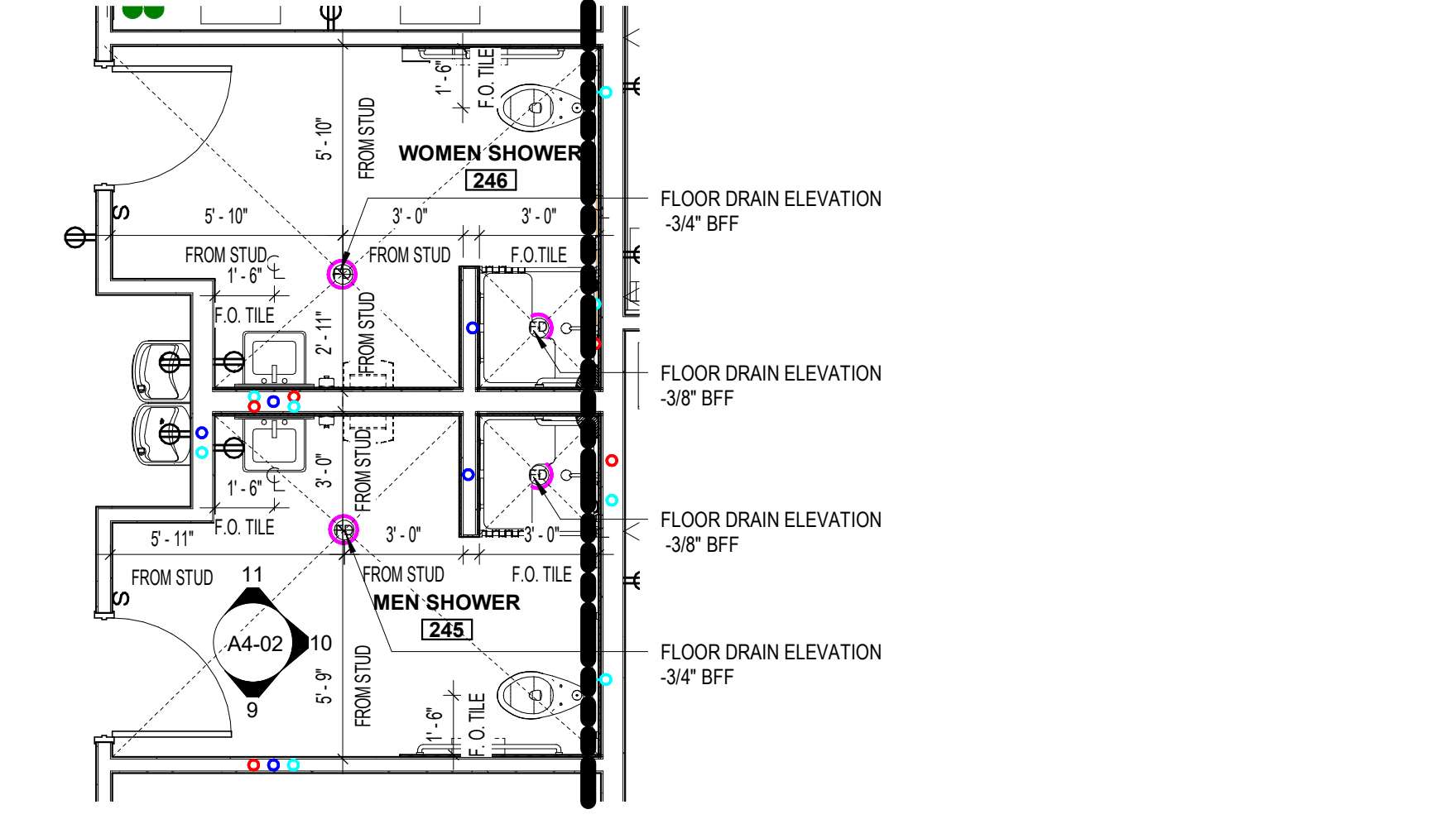
12 MOP SINK DETAIL
 A4-02 3/8" = 1'-0"



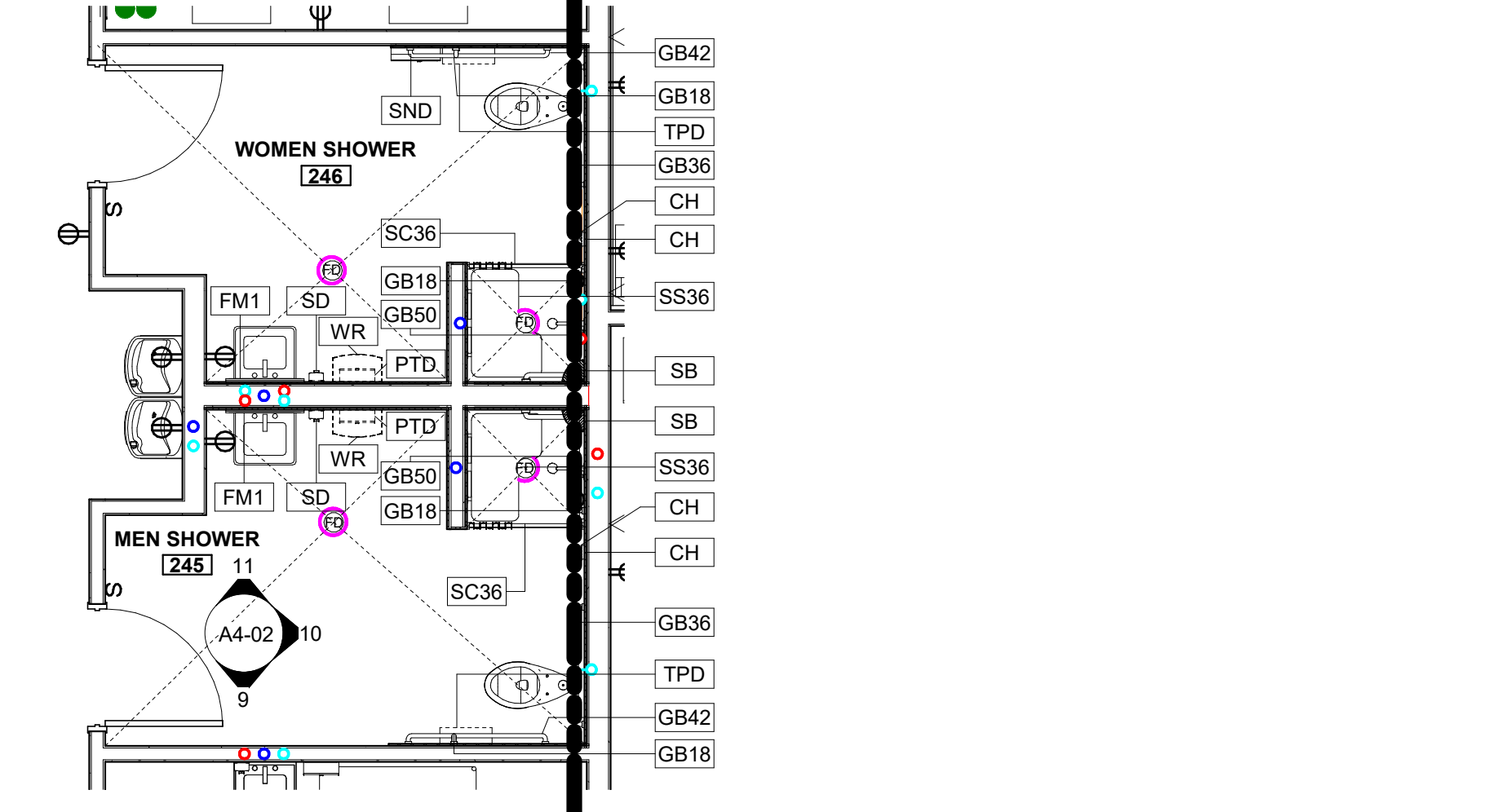
9 SHOWER 245 & 246 - SOUTH ELEV
 A4-02 1/4" = 1'-0"



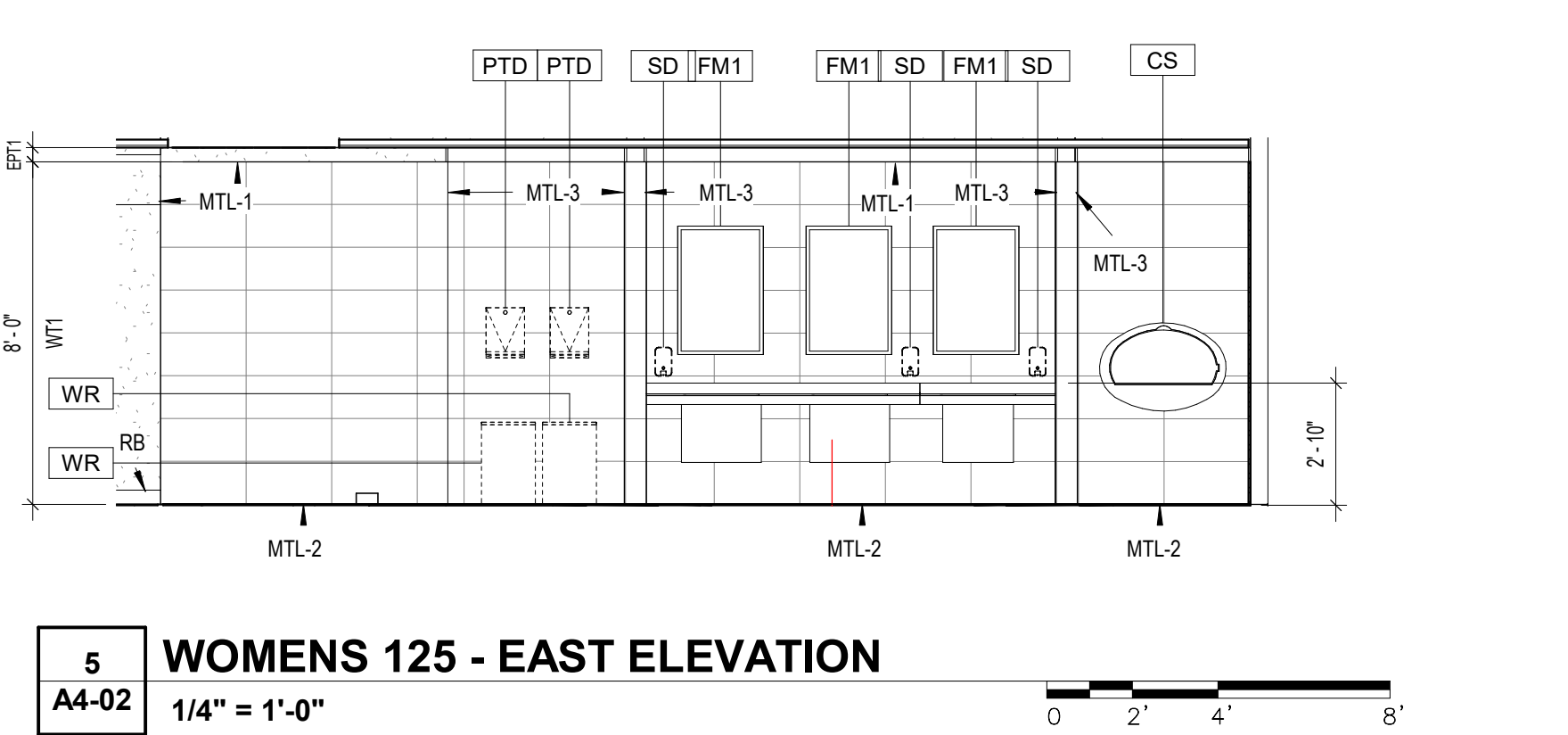
10 SHOWER 245 AND SHOWER 246 - EAST ELEVATION
 A4-02 1/4" = 1'-0"



7 ENLARGED DIMENSION PLAN - SHOWER 245 AND SHOWER 246
 A4-02 1/4" = 1'-0"



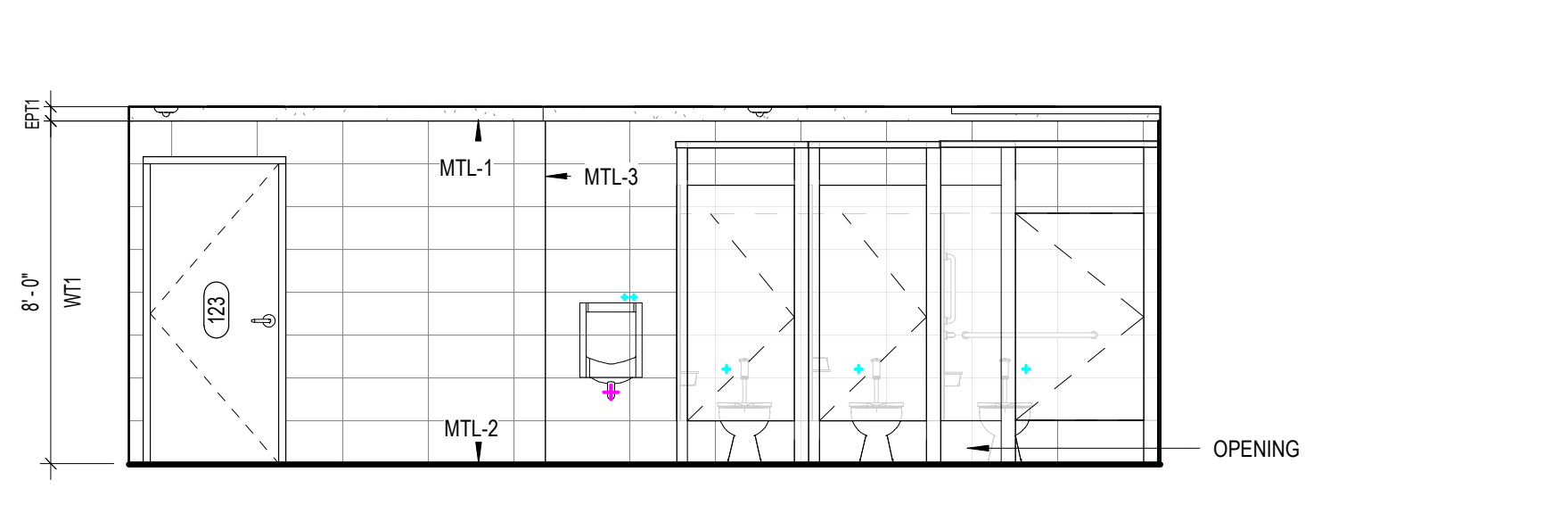
8 ENLARGED ANNOTATION PLAN - SHOWER 245 AND SHOWER 246
 A4-02 1/4" = 1'-0"



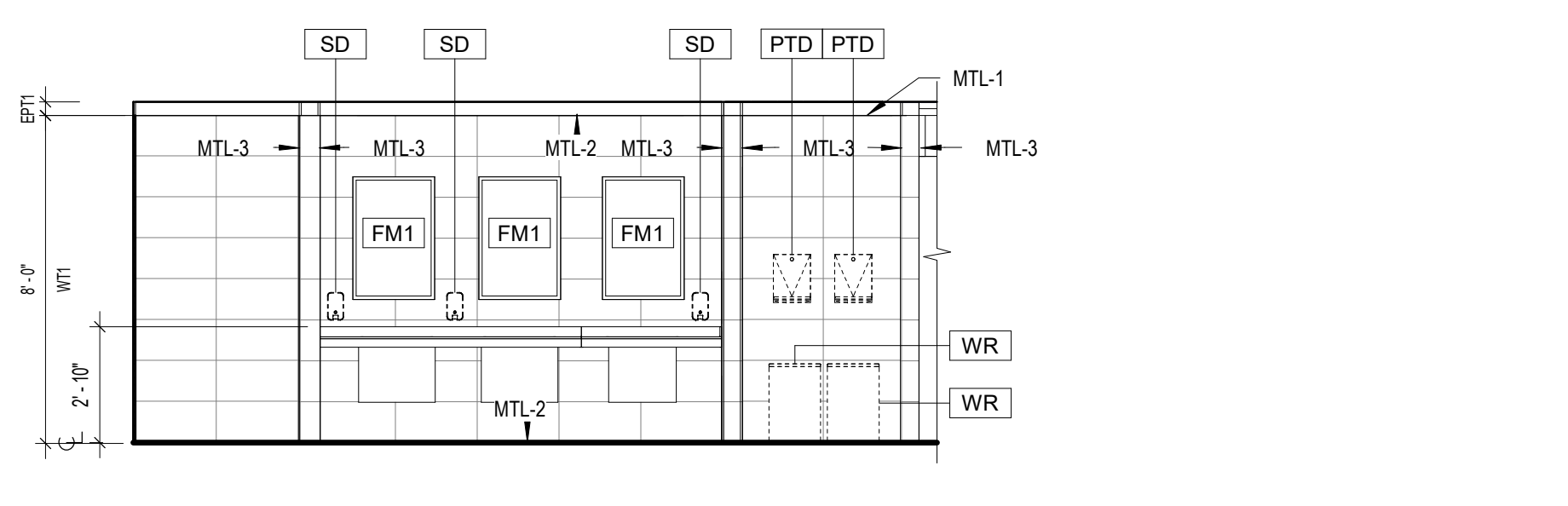
5 WOMENS 125 - EAST ELEVATION
 A4-02 1/4" = 1'-0"



6 WOMENS 125 - WEST ELEVATION
 A4-02 1/4" = 1'-0"

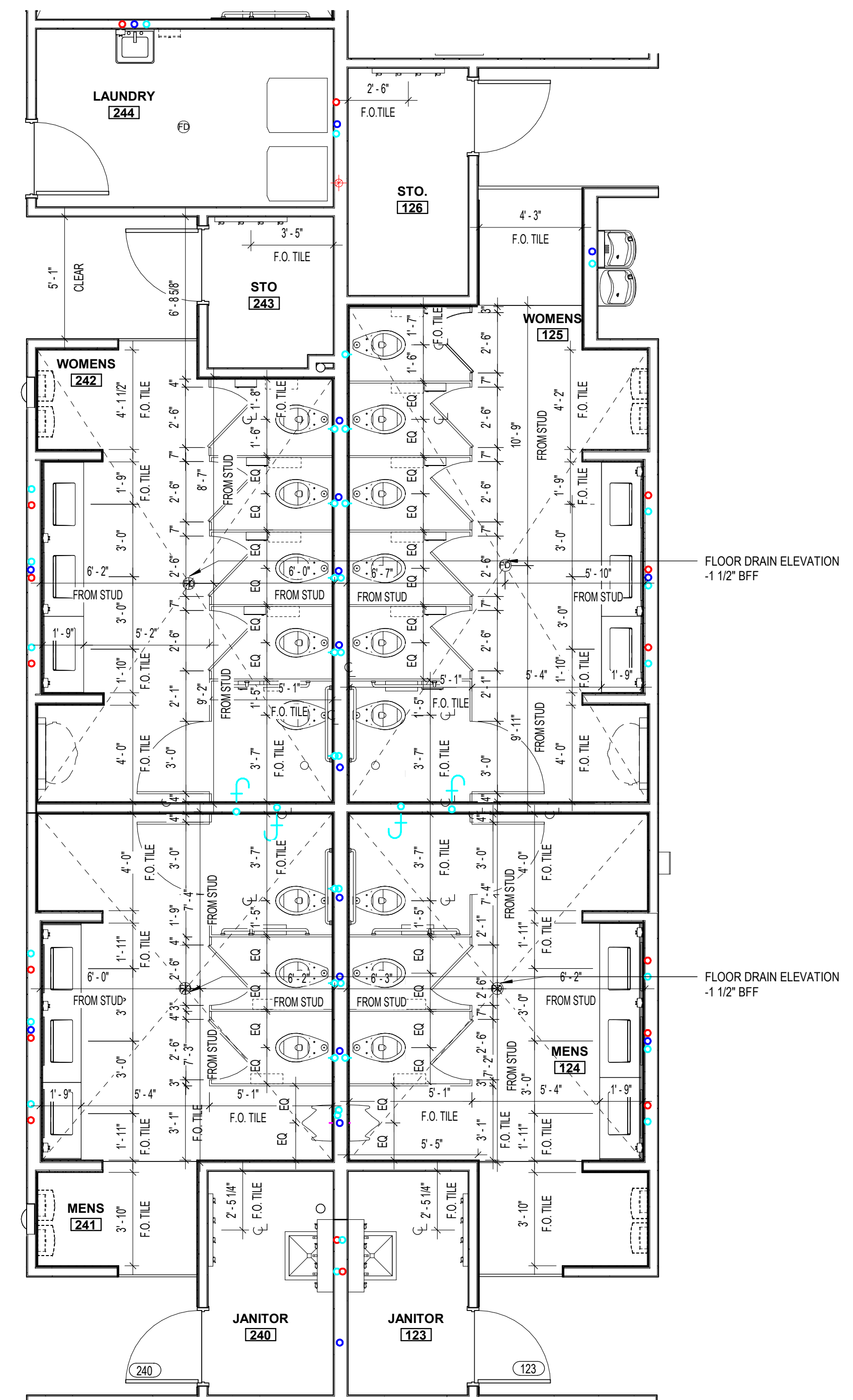


1 MENS 124 - WEST ELEVATION
 A4-02 1/4" = 1'-0"

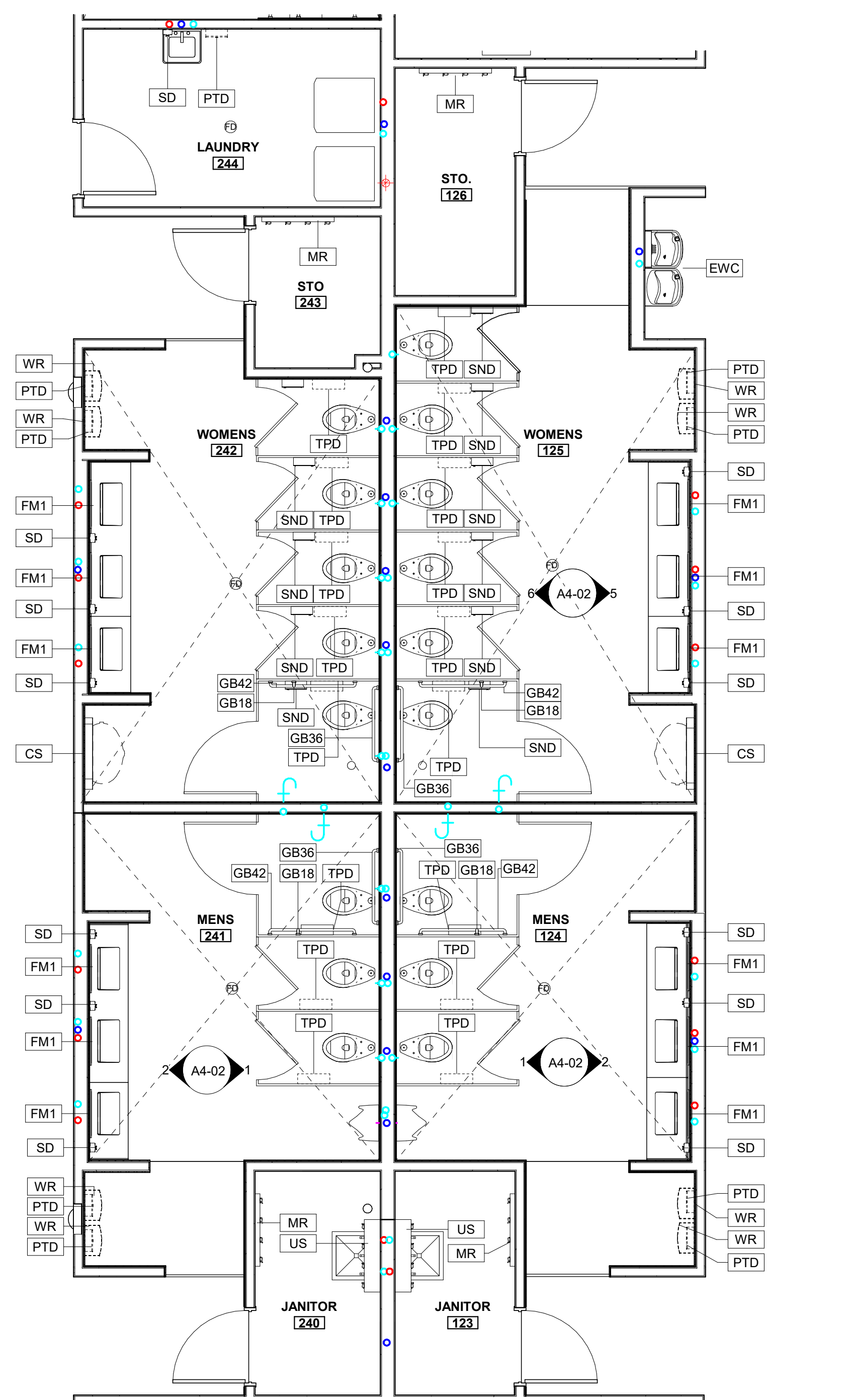


2 MENS 124 - EAST ELEVATION
 A4-02 1/4" = 1'-0"

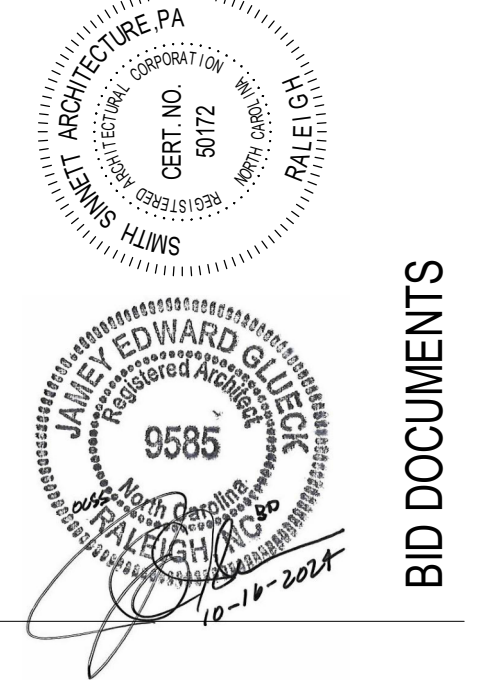
MARK	MODEL	DESCRIPTION	FURNISHED BY/INSTALLED BY	MOUNTING HEIGHT	MANUFACTURER	REMARKS
CH	123	CLOTHES HOOK - SURFACE MOUNTED	CFCI	60" A.F.F. TO CENTER HIGH HOOK, 42" A.F.F. TO CENTER LOW HOOK	ASI	
CS	KB310-SSWM	BABY CHANGING STATION	CFCI	34" A.F.F. TO CENTER OF FIXTURE	BRADLEY	STAINLESS STEEL EXTERIOR
FM1	B-165	40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE	CFCI	40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE	BOBRICK	TEMPERED GLASS CHANNEL FRAME MIRROR
FM2	8287	Mirror - Frameless - Polished Plate Glass - 1/4" Thick (8287)	CFCI	4" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE	BOBRICK	TEMPERED GLASS CHANNEL FRAMELESS MIRROR
GB18	B-6806	1 1/2" DIA. X 18" S.S. VERTICAL GRAB BAR - PEENED	CFCI	34" A.F.F. TO CENTER OF FIXTURE	BOBRICK	
GB36	B-6806	1 1/2" DIA. X 36" S.S. GRAB BAR - PEENED	CFCI	34" A.F.F. TO CENTER OF FIXTURE	BOBRICK	
GB42	B-6806	1 1/2" DIA. X 42" S.S. GRAB BAR - PEENED	CFCI	34" A.F.F. TO CENTER OF FIXTURE	BOBRICK	
GB50	B-6861	1 1/2" DIA. X 16" X 30" S.S. GRAB BAR - PEENED	CFCI	34" A.F.F. TO TOP OF BAR	BOBRICK	
MR	8215-4	MOP RACK - 4 HOLDERS	CFCI	40" A.F.F. TO TOP OF BAR	ASI	ASI 1315
PTD	--	SURFACE MOUNTED PAPER TOWEL DISPENSER	OFCI	40" A.F.F. TO POINT OF DISPENSION		
SB	K-1896-S	MEDIUM SHOWER BASKET	CFCI	40" A.F.F. TO TOP	ASI	ASI 7322
SC36	1204	36" HEAVY DUTY S.S. SHOWER CURTAIN ROD ASI 1214, VINYL CURTAIN ASI-1200V, AND S.S. HOOKS ASI 1200-SHU	CFCI	80" A.F.F. TO BOTTOM OF BAR	ASI	
SD		S.S. SURFACE MOUNTED VERTICAL LIQUID SOAP DISPENSER	OFCI	40" A.F.F. TO POINT OF DISPENSION	<varies>	
SND	B-254	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	CFCI	24" MAX TO POINT OF DISPENSION	BOBRICK	
SS36	8206	36" FOLDING SHOWER SEAT	CFCI	17"-19" A.F.F. TO TOP OF SEAT	ASI	
TPD		SURFACE MOUNTED TOILET TISSUE DISPENSER WITH UTILITY SHELF	OFCI	20" TO POINT OF DISPENSION	BOBRICK	
US	1315-4	SHELF/ UTILITY HOOK & MOP STRIP	CFCI	56" ABOVE STAINLESS STEEL PANEL	ASI	
WR		WASTE RECEPTACLE	OFOI	FLOOR MOUNTED		



3 ENLARGED DIMENSION PLAN - MENS 124 AND WOMENS 125
 A4-02 1/4" = 1'-0"



4 ENLARGED ANNOTATION PLAN - MENS 124 AND WOMENS 125
 A4-02 1/4" = 1'-0"

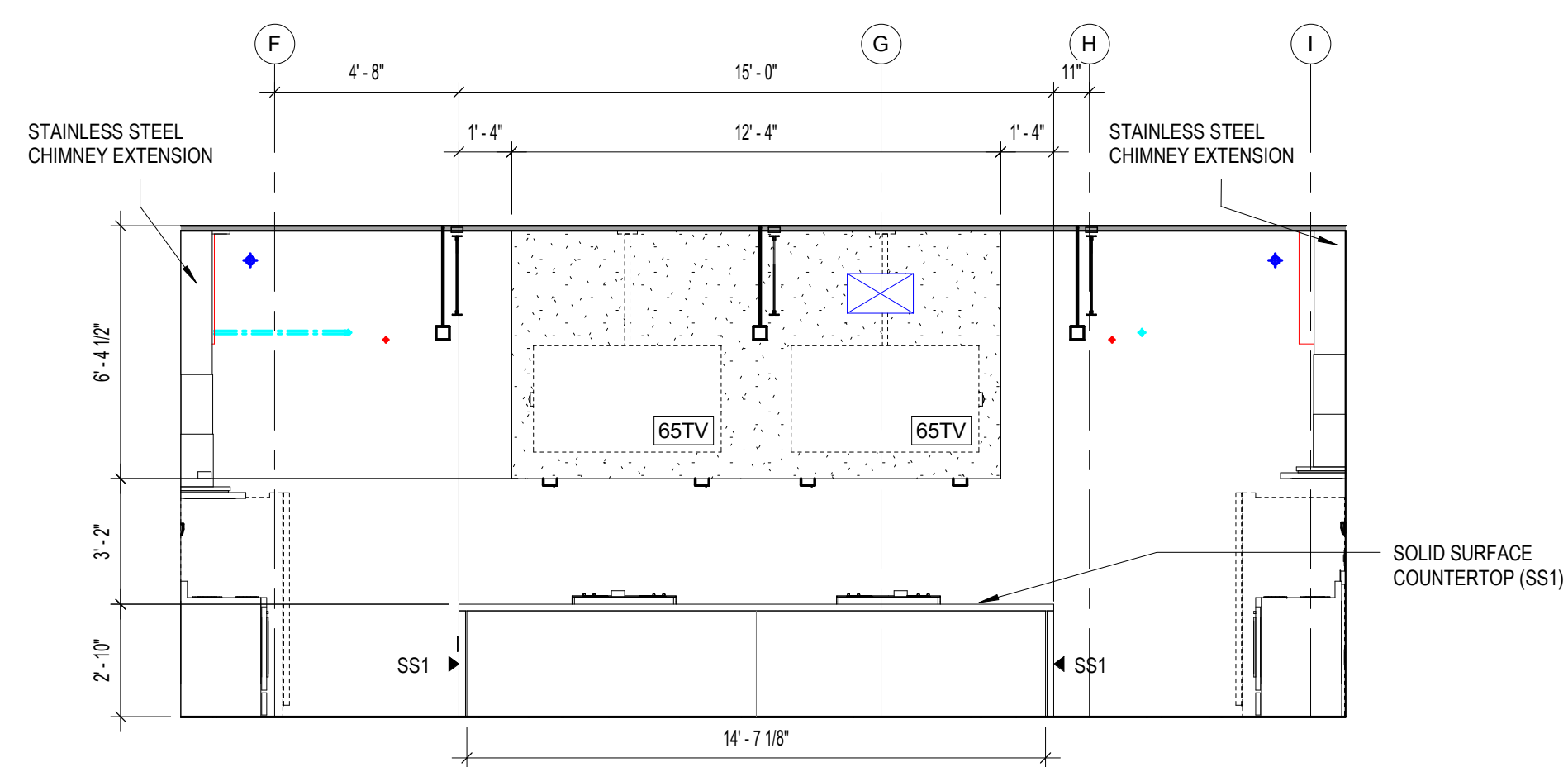
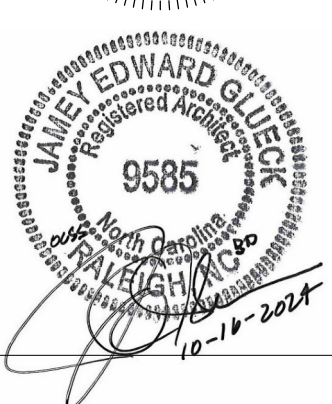
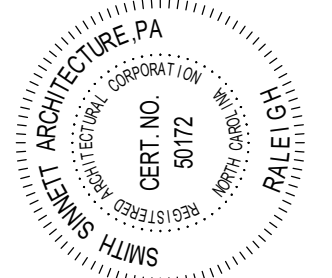


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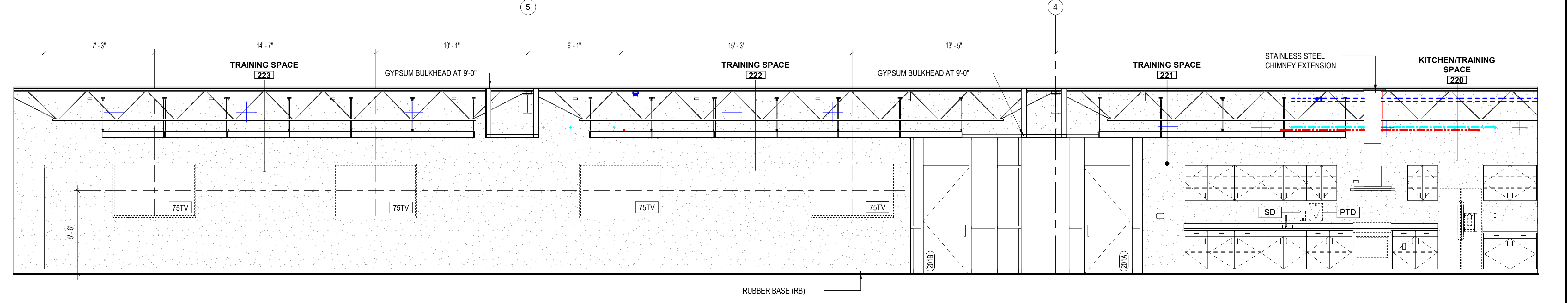
Onslow County Senior Services Center
 Renovation
 Onslow County Government
 4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION

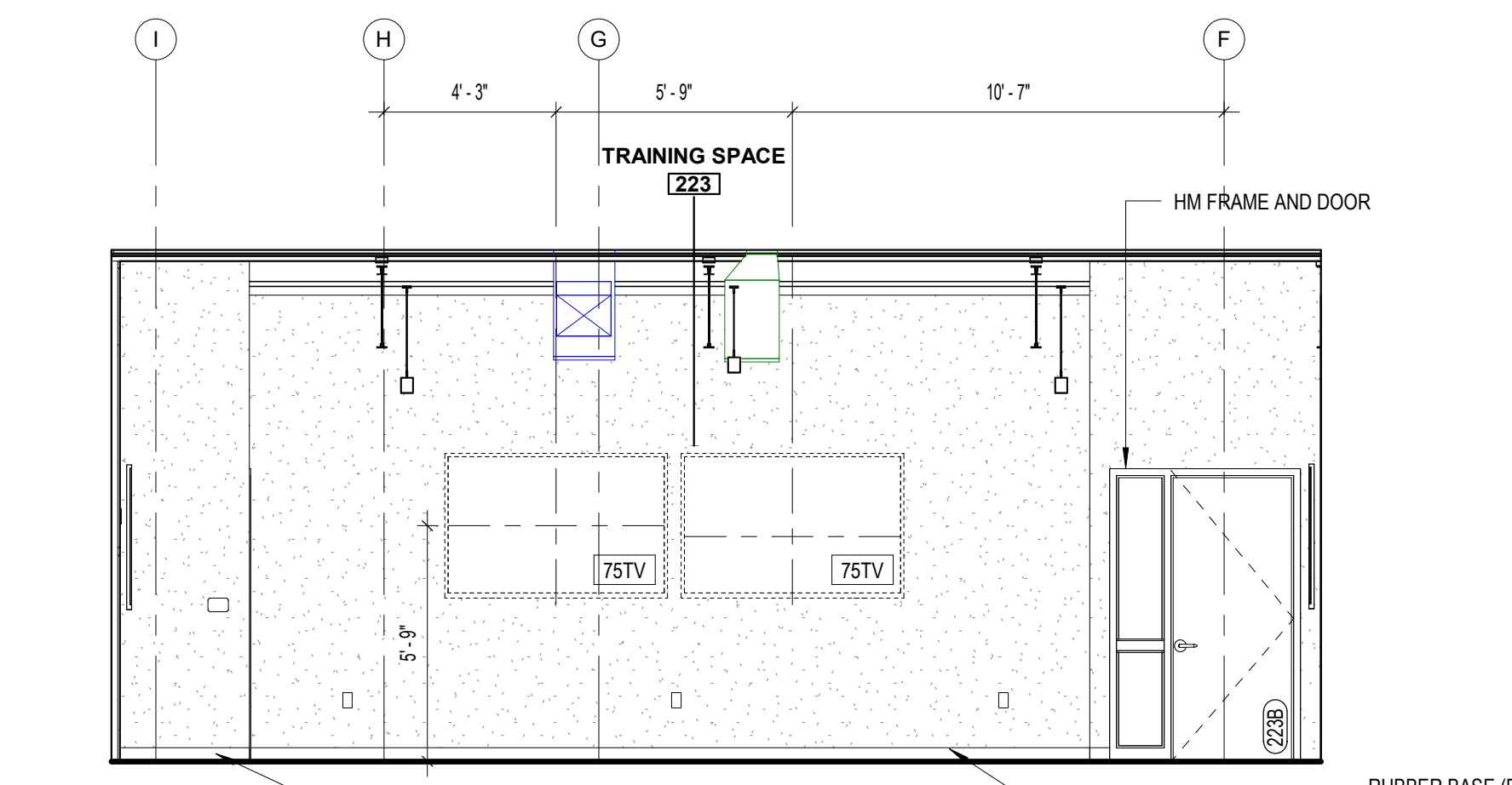
DRAWN BY: RM, FA, NB
 CHECKED BY: JEG
 ENLARGED TOILET PLANS AND ELEVATIONS



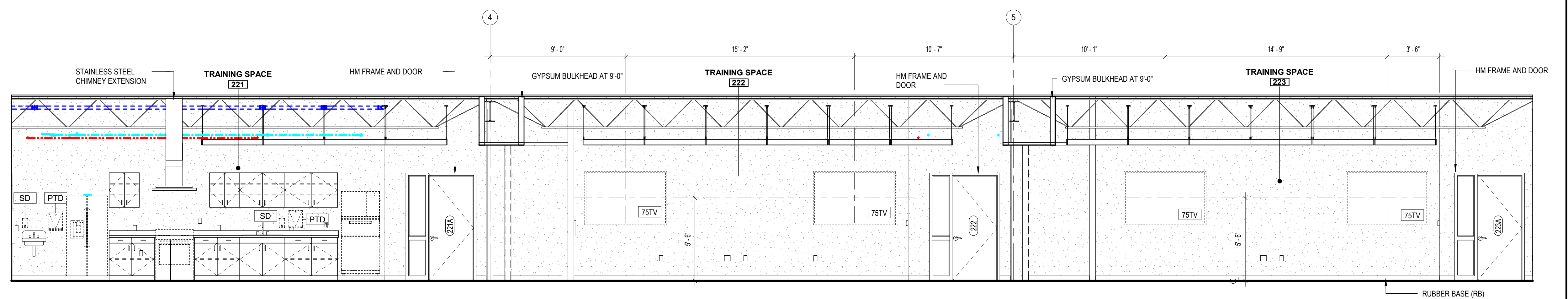
7 TRAINING SPACE - NORTH ELEVATION
A4-03 1/4" = 1'-0"



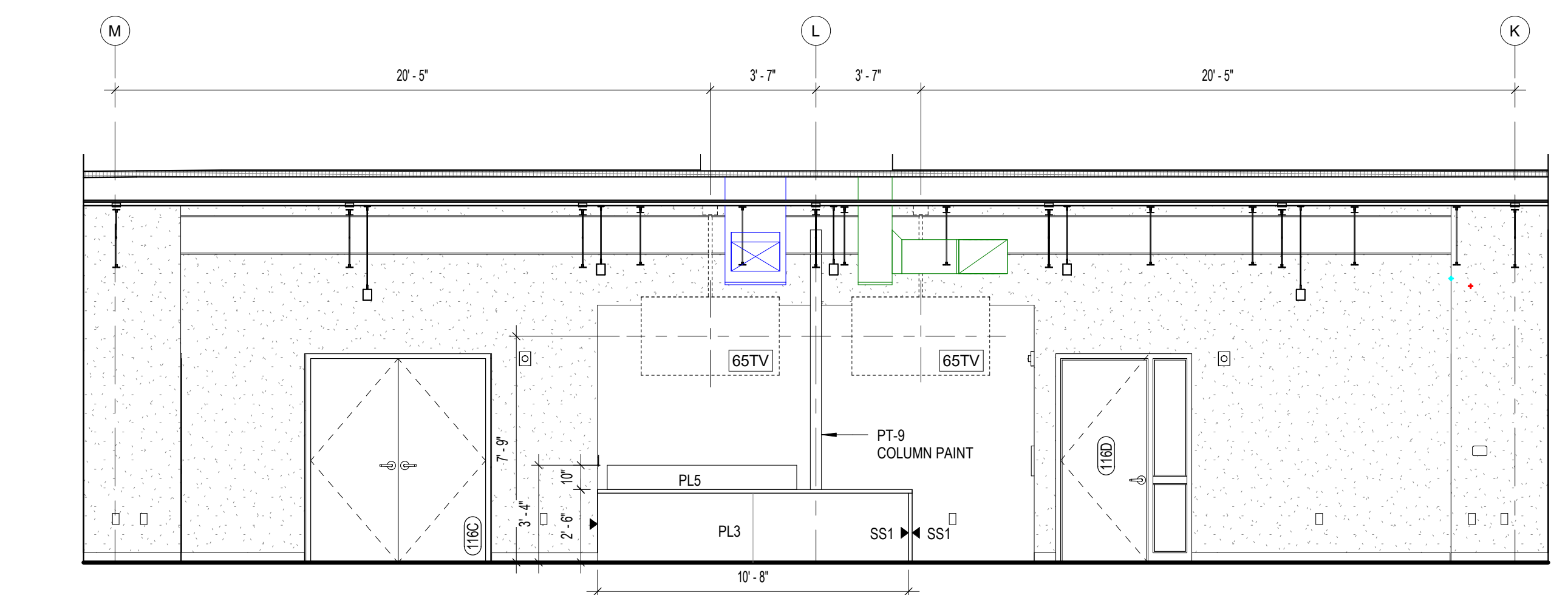
8 TRAINING SPACE - WEST ELEVATION
A4-03 1/4" = 1'-0"



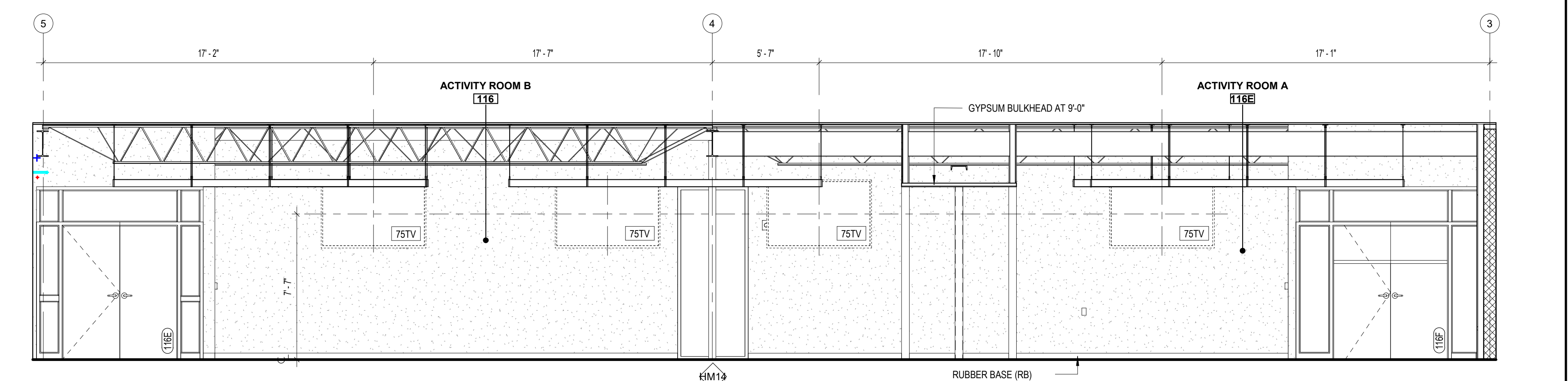
5 TRAINING SPACE - SOUTH ELEVATION
A4-03 1/4" = 1'-0"



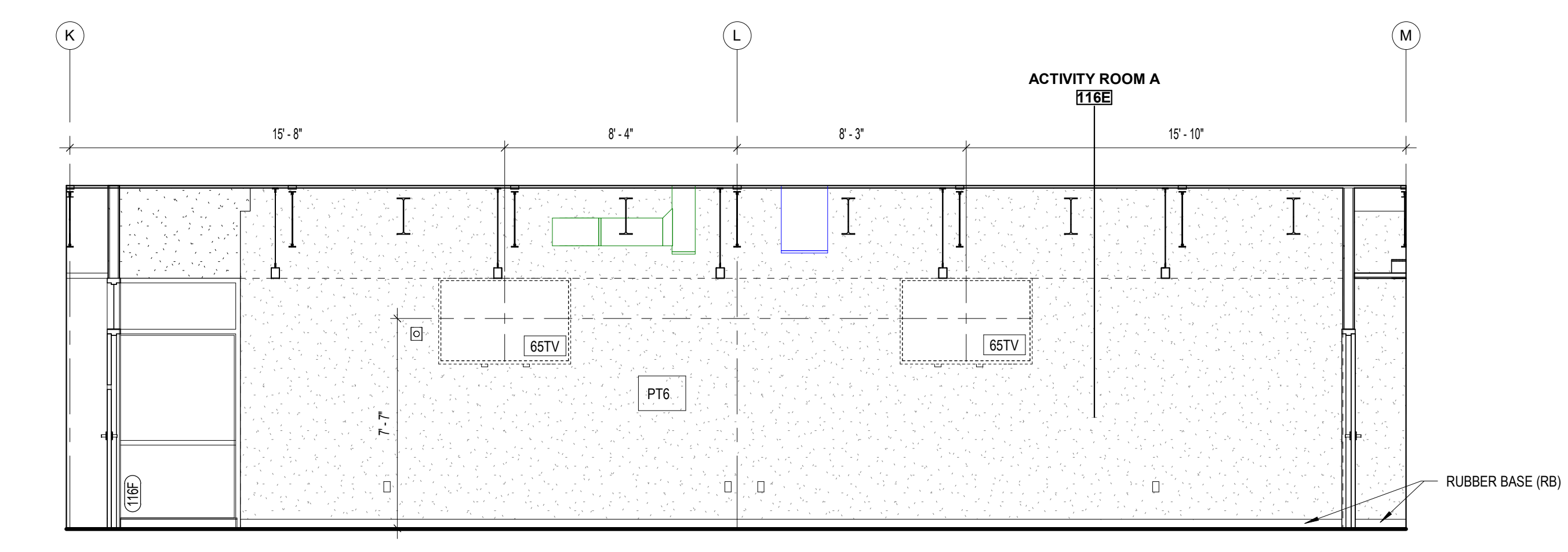
6 TRAINING SPACE - EAST ELEVATION
A4-03 1/4" = 1'-0"



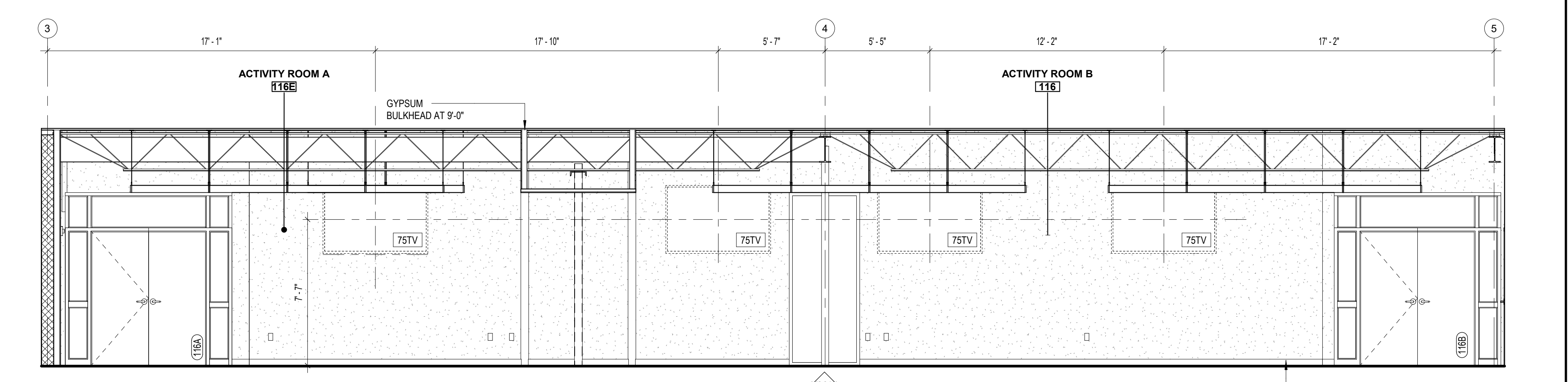
3 ACTIVITY ROOM - SOUTH ELEVATION
A4-03 1/4" = 1'-0"



4 ACTIVITY ROOM - WEST ELEVATION
A4-03 1/4" = 1'-0"



1 ACTIVITY ROOM - NORTH ELEVATION
A4-03 1/4" = 1'-0"



2 ACTIVITY ROOM - EAST ELEVATION
A4-03 1/4" = 1'-0"

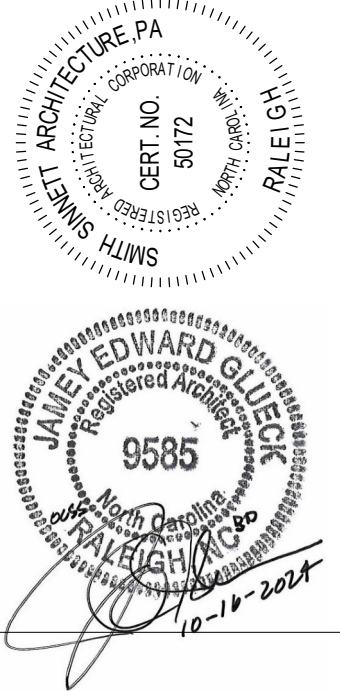
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Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION

DRAWN BY: RM, FA, NB
CHECKED BY: JEG
INTERIOR ELEVATIONS

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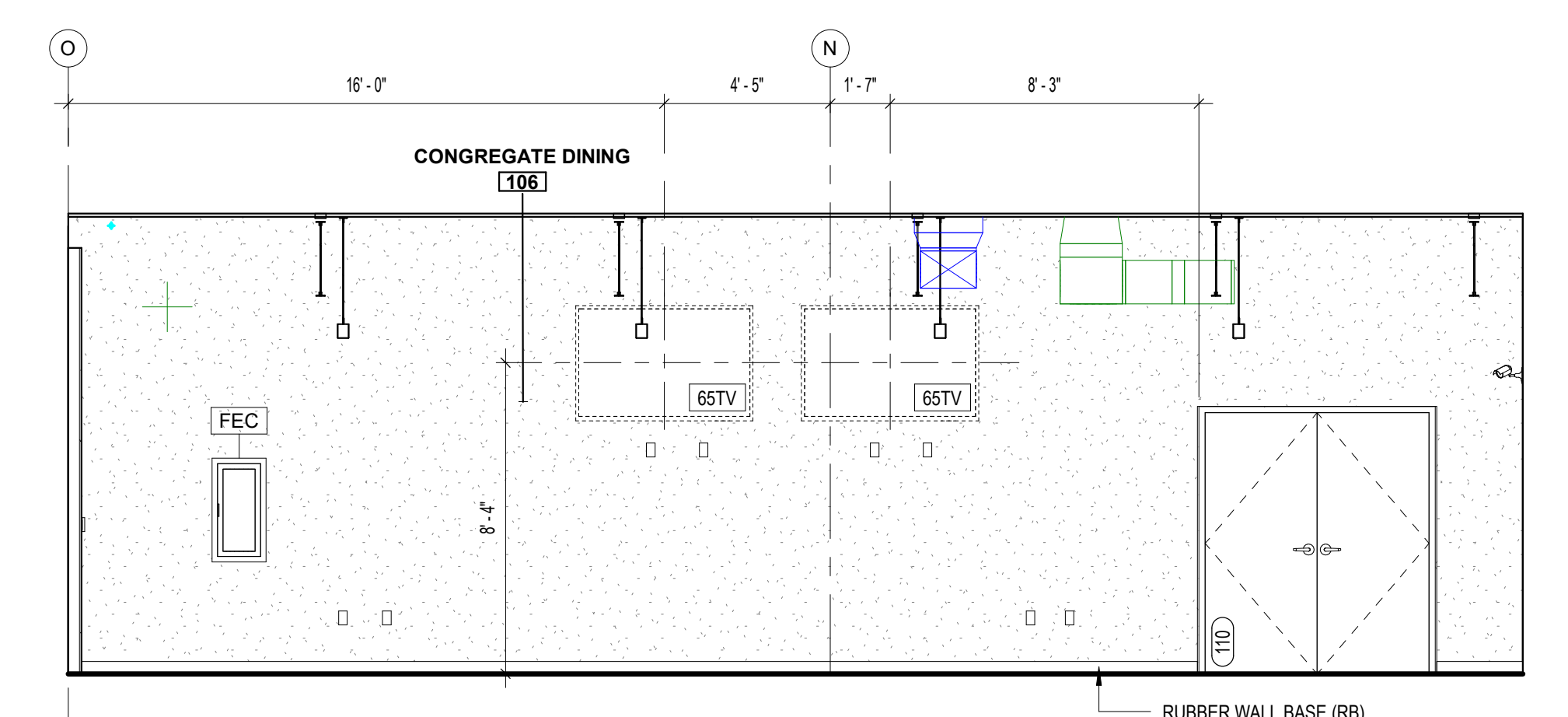
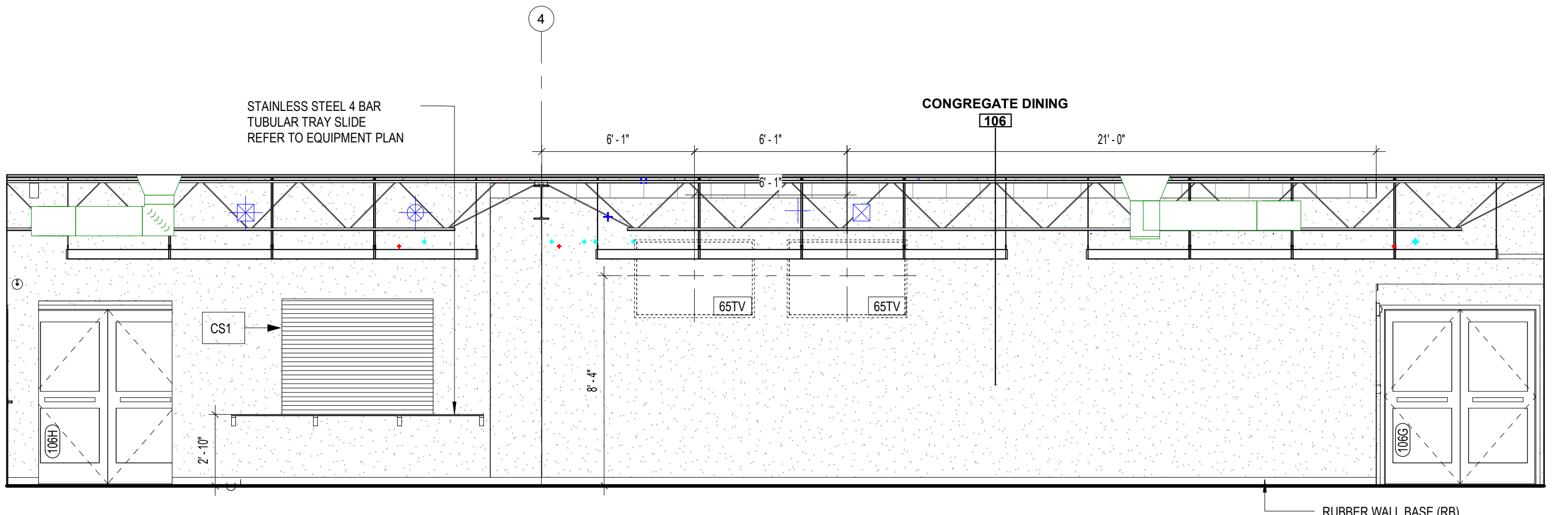
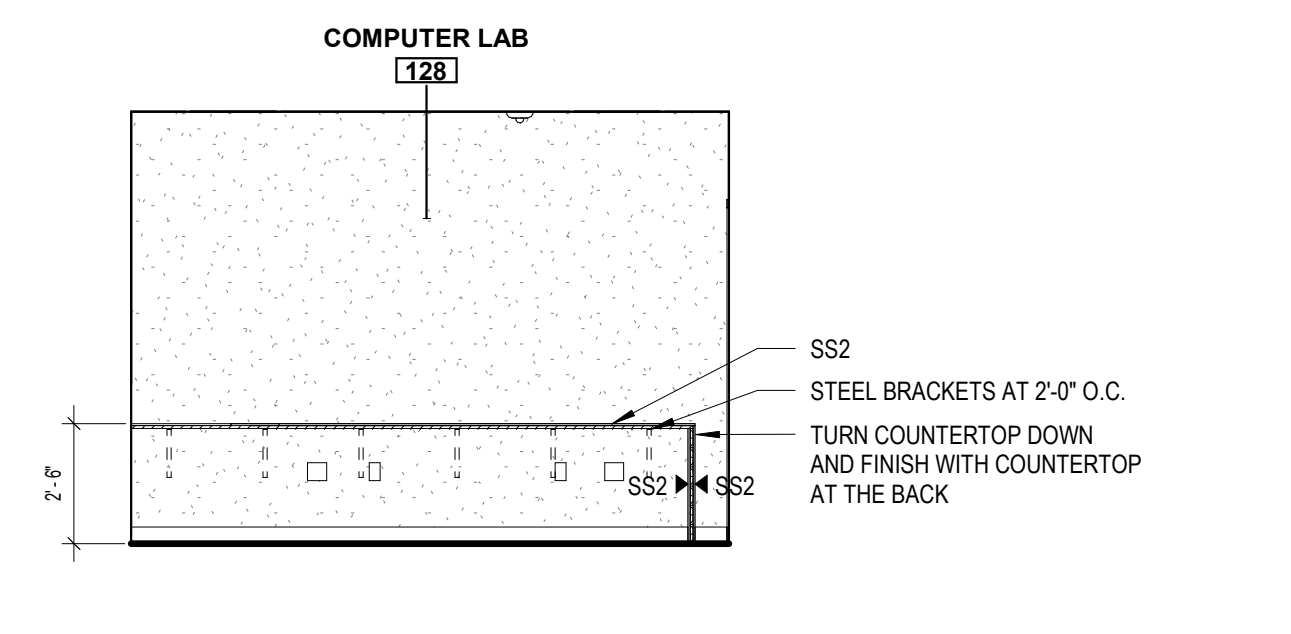
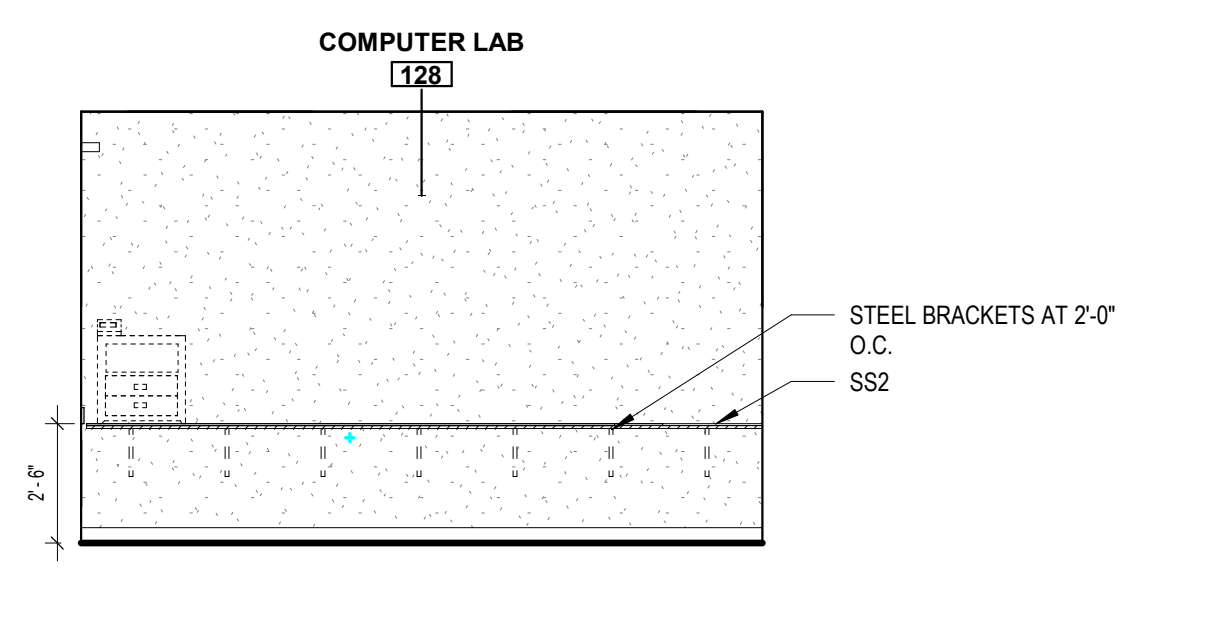
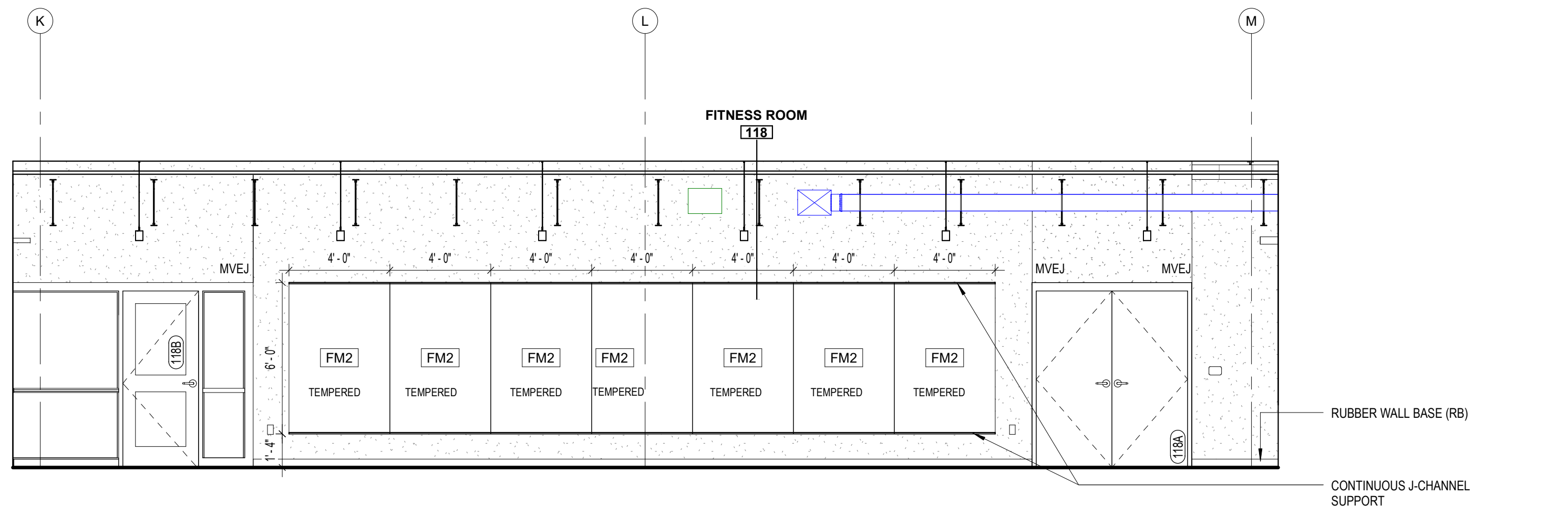
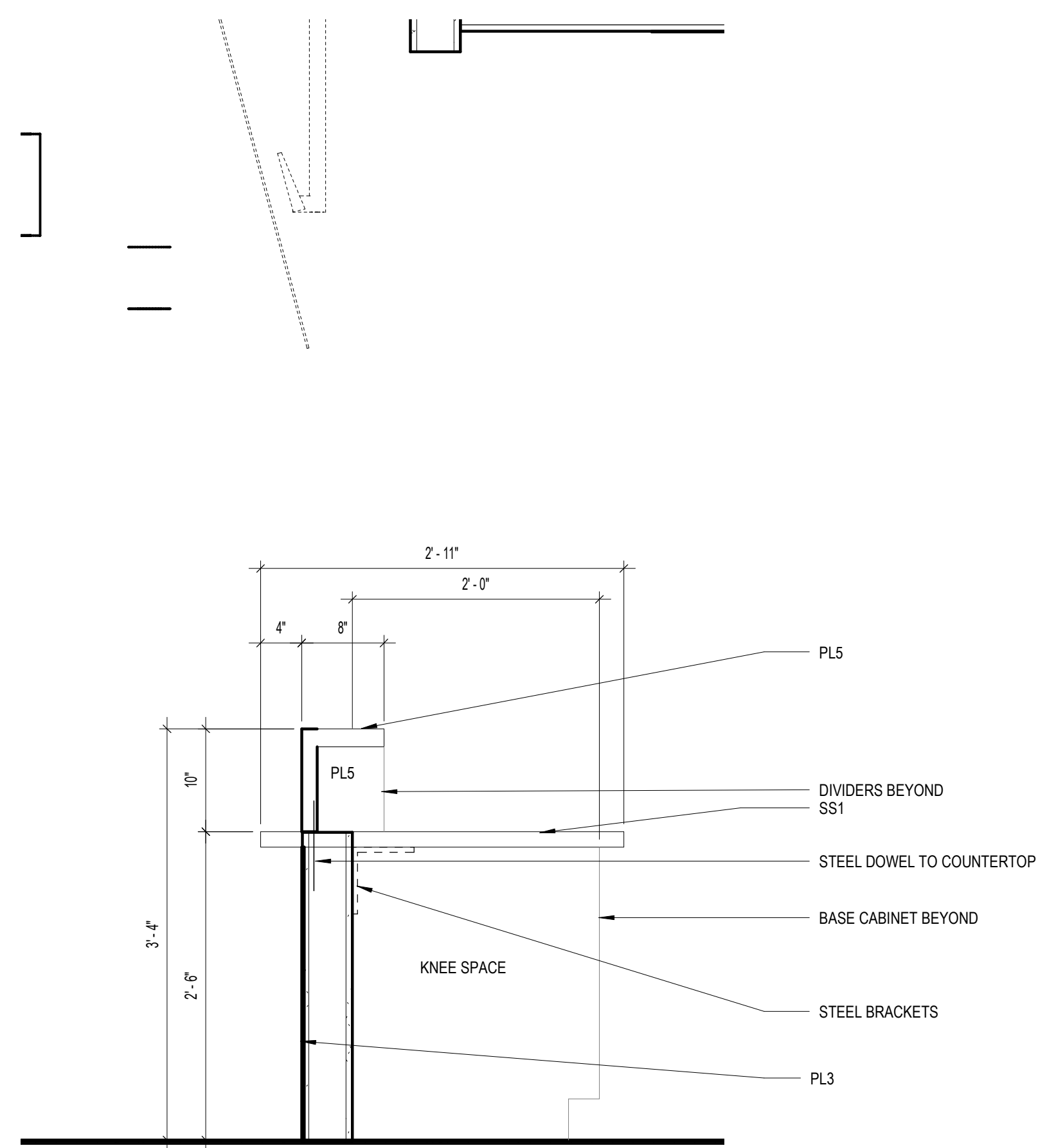
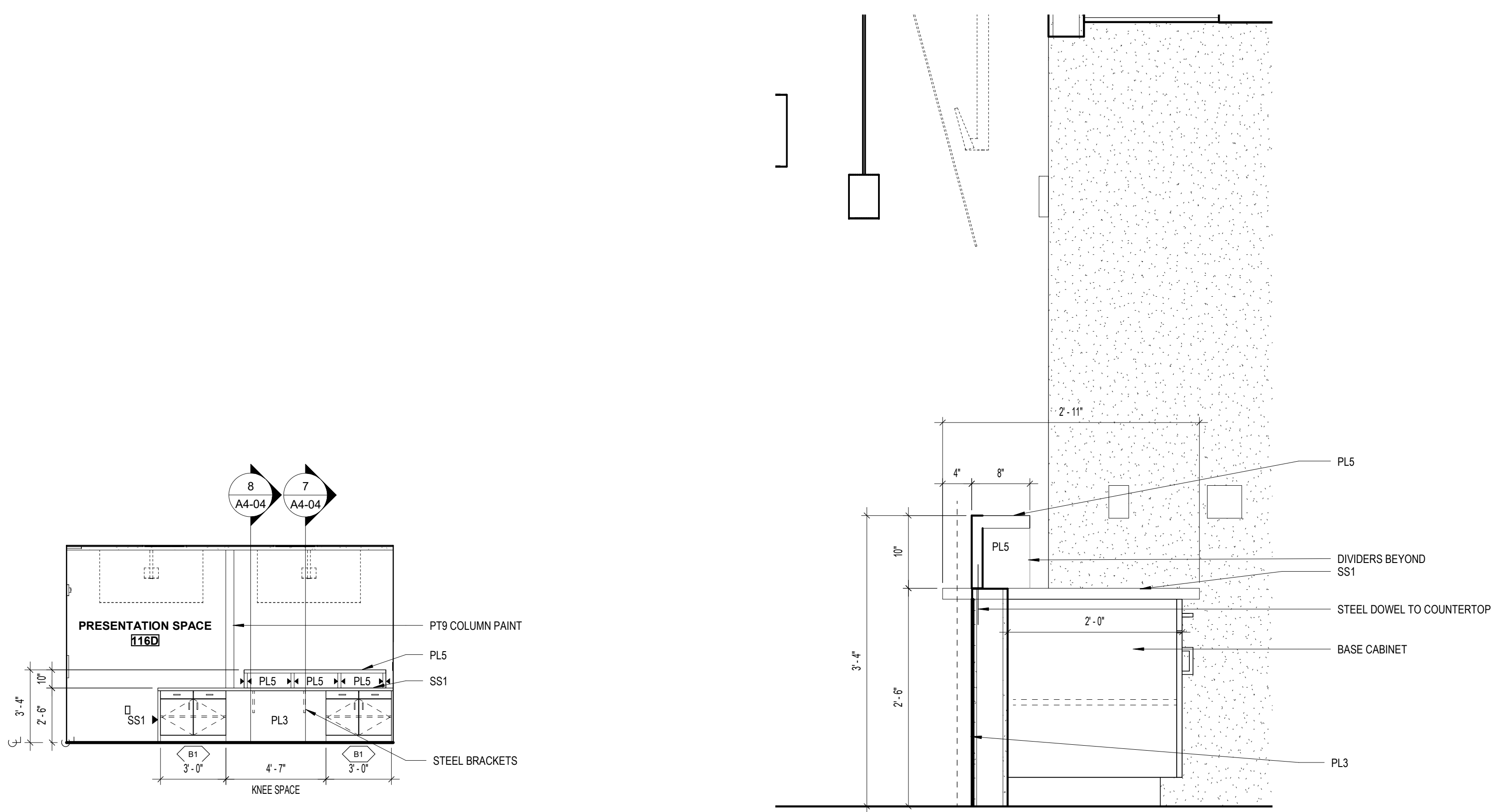


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Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID DATE DESCRIPTION



DRAWN BY: FANB
CHECKED BY: JEG
INTERIOR ELEVATIONS

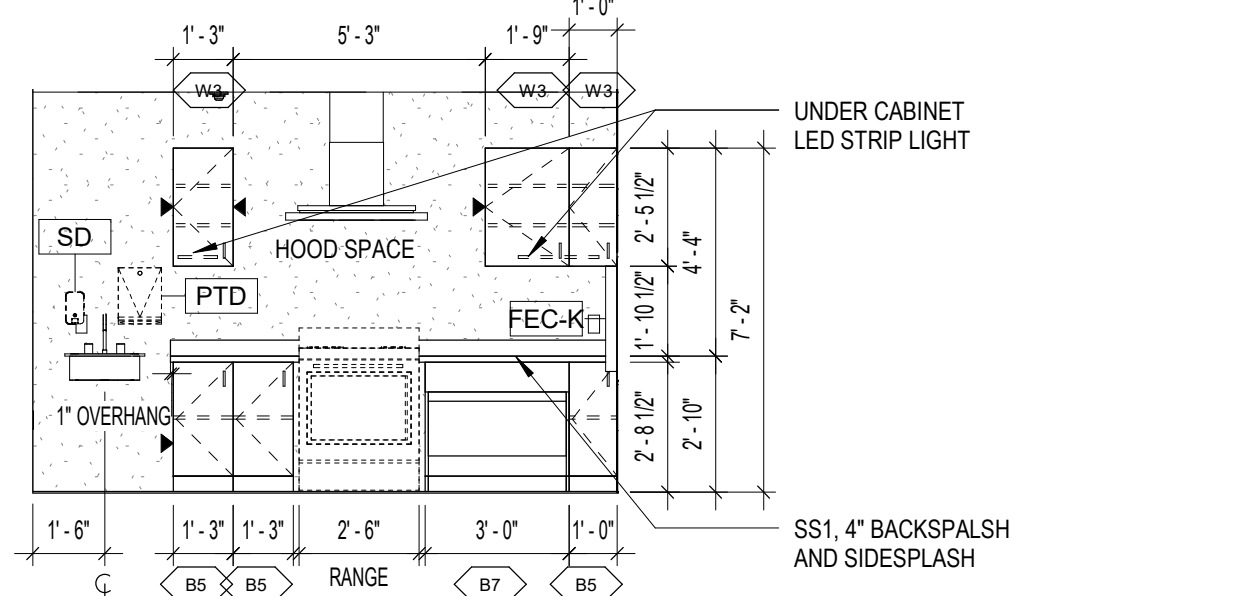
2021029 16 OCT. 2024

A4-04

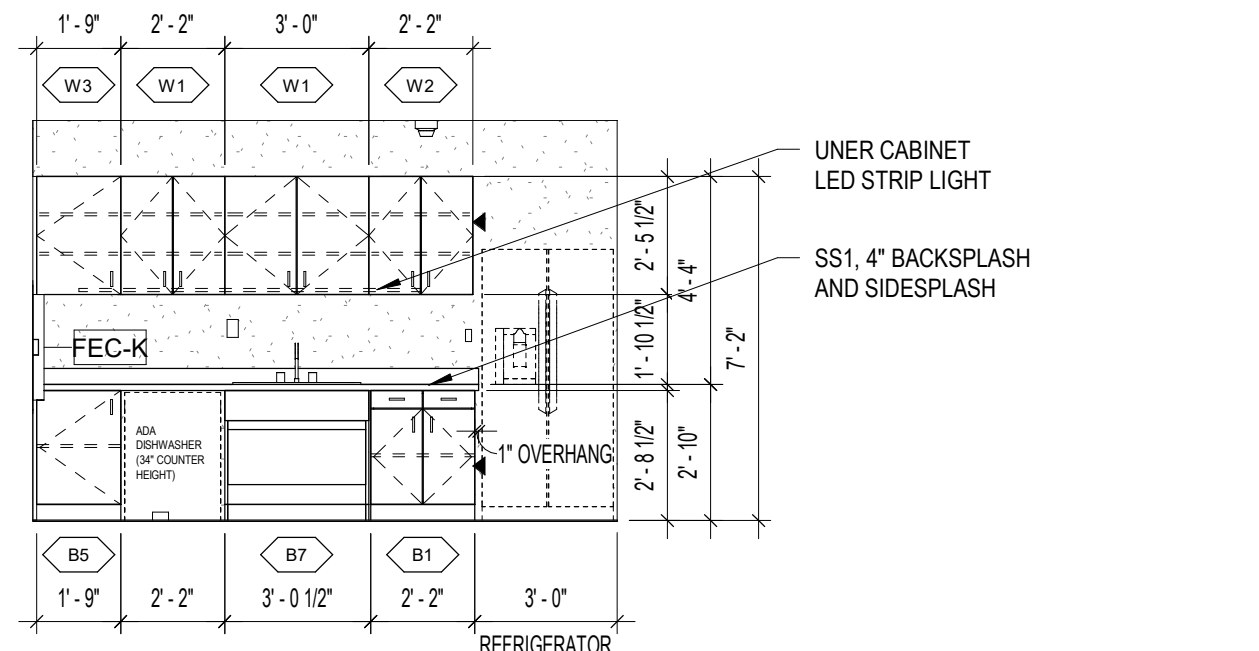
CASEWORK NOTES AND LEGEND:

MARK	DESCRIPTION
B1	2'-0" DEEP BASE CABINET, TWO HINGED DOORS AND TWO 6" HIGH DRAWERS AND ONE ADJUSTABLE SHELF. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. HEIGHT/WIDTH VARIES.
B2	2'-0" DEEP BASE CABINET, TWO HINGED DOORS AND ONE ADJUSTABLE SHELF. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. HEIGHT/WIDTH VARIES.
B3	2'-0" DEEP SINK BASE CABINET, TWO HINGED DOORS AND BLIND PANEL AND ONE ADJUSTABLE SHELF. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. HEIGHT/WIDTH VARIES.
B4	2'-0" DEEP BASE CABINET, ONE HINGED DOOR WITH ONE ADJUSTABLE SHELF, ONE 6" HIGH DRAWER. HEIGHT/WIDTH VARIES.
B5	2'-0" DEEP BASE CABINET, ONE HINGED DOOR AND ONE ADJUSTABLE SHELF. HEIGHT/WIDTH VARIES.
B6	LAMINATED PARTICLE BOARD PANELS TO MATCH ADJACENT CASEWORK. ATTACH WITH FINISH SCREWS TO 2X2 BLOCKING. ATTACHED TO SIDE OF CASEWORK OR PROVIDE FINISHED END PANEL. CLEAR WIDTH NO LESS THAN 30 INCHES FOR ADA SINK ACCESS. SEE SECTION THROUGH ADA LAVATORY.
B7	LAMINATED PARTICLE BOARD PANELS TO MATCH ADJACENT CASEWORK. ATTACH WITH FINISH SCREWS TO 2X2 BLOCKING. ATTACHED TO SIDE OF CASEWORK OR PROVIDE FINISHED END PANEL TO FLOOR. CLEAR WIDTH NO LESS THAN 30 INCHES FOR ADA SINK ACCESS. SEE SECTION THROUGH ADA LAVATORY.
B8	2'-0" DEEP BASE CABINET, FOUR DRAWERS. HEIGHT/WIDTH VARIES.
B9	2'-0" DEEP BASE CABINET, TWO DRAWERS AND ONE LEGAL SIZE FILE DRAWER. HEIGHT/WIDTH VARIES.
B10	2'-0" DEEP BASE FILLER PANEL. HEIGHT/WIDTH VARIES.
B11	2'-0" DEEP BASE CABINET, TWO LEGAL SIZE FILE DRAWERS. HEIGHT/WIDTH VARIES.
B12	2'-0" DEEP BASE CABINET, SIX FLAT FILE DRAWERS. HEIGHT/WIDTH VARIES.
B13	2'-0" DEEP BASE CABINET, OPEN SHELVING, TWO ADJUSTABLE SHELVES. HEIGHT/WIDTH VARIES. FOR HEIGHTS OVER 4'-0" INCREASE TO THREE ADJUSTABLE SHELVES.
B14	2'-0" DEEP BASE CABINET, ONE HINGED DOOR AND ONE 6" HIGH PUSH PANEL WITH TRASH SYMBOL. PROVIDE HORIZONTAL DIVIDER WITH HOLE FOR DISPOSAL. HEIGHT/WIDTH VARIES.
B15	2'-0" DEEP BASE CABINET, ONE HINGED DOOR AND ONE 6" HIGH PUSH PANEL WITH RECYCLING SYMBOL. PROVIDE HORIZONTAL DIVIDER WITH HOLE FOR DISPOSAL. HEIGHT/WIDTH VARIES.
W1	1'-0" DEEP WALL CABINET, TWO HINGED DOORS AND TWO ADJUSTABLE SHELVES. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. HEIGHT/WIDTH VARIES. FOR HEIGHTS OVER 4'-0" INCREASE TO THREE ADJUSTABLE SHELVES.
W2	1'-0" DEEP WALL CABINET, TWO HINGED DOORS AND ONE ADJUSTABLE SHELF. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. HEIGHT/WIDTH VARIES.
W3	1'-0" DEEP WALL CABINET, ONE HINGED DOOR AND TWO ADJUSTABLE SHELVES. HEIGHT/WIDTH VARIES. FOR HEIGHTS OVER 4'-0" INCREASE TO THREE ADJUSTABLE SHELVES.
W4	1'-0" DEEP WALL CABINET, ONE HINGED DOOR AND ONE ADJUSTABLE SHELF. HEIGHT/WIDTH VARIES.
W5	1'-0" DEEP, OPEN SHELVING, TWO ADJUSTABLE SHELVES. HEIGHT/WIDTH VARIES. FOR HEIGHTS OVER 4'-0" INCREASE TO THREE ADJUSTABLE SHELVES.
W6	1'-0" DEEP CORNER WALL CABINET, ONE HINGED DOOR AND TWO ADJUSTABLE SHELVES. HEIGHT VARIES. FOR HEIGHTS OVER 4'-0" INCREASE TO THREE ADJUSTABLE SHELVES. FOR HEIGHTS LESS THAN 4'-0" REDUCE TO ONE ADJUSTABLE SHELF.
T1	2'-0" DEEP, 7'-0" TALL STORAGE CABINET, TWO HINGED DOORS WITH FIVE ADJUSTABLE SHELVES. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. WIDTH VARIES.
T2	1'-0" DEEP, 7'-0" TALL STORAGE CABINET, TWO HINGED DOORS WITH ELEVEN ADJUSTABLE SHELVES. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. WIDTH VARIES.
T3	2'-0" DEEP, 7'-0" TALL STORAGE CABINET, ONE HINGED DOOR WITH FIVE ADJUSTABLE SHELVES. WIDTH VARIES.
T4	1'-0" DEEP, 7'-0" TALL STORAGE CABINET, OPEN WITH FIVE ADJUSTABLE SHELVES. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. WIDTH VARIES.
T5	2'-0" DEEP, 7'-0" TALL STORAGE CABINET, OPEN WITH ELEVEN ADJUSTABLE SHELVES. PROVIDE FIXED VERTICAL DIVIDER IN UNITS MORE THAN 3'-0" WIDE. WIDTH VARIES.
T6	2'-0" DEEP, 7'-0" TALL LAPTOP STORAGE CABINET, TWO HINGED DOORS WITH ONE FIXED SHELF AT 4'-6" AFF AND ONE ADJUSTABLE SHELF. NO BASE TRIM AT FRONT FOR STORAGE OF MOBILE LAPTOP CHARGING CART. VERIFY SIZE OF SELECTED CHARGING CART PRIOR TO FABRICATION TO ENSURE FIT.
T7	2'-0" DEEP TEACHER WARDROBE, TWO HINGED DOORS AND FULL HEIGHT VERTICAL DIVIDER 14" OC LEFT. ONE FIXED SHELF EACH SIDE. CLOSET ROD IN LEFT SIDE. FIVE 12 3/4" WIDE ADJUSTABLE SHELVES IN THE RIGHT SIDE. TWO LEGAL SIZE 15" FILE DRAWERS WITH FULL EXTENSION SLIDE AND FILE FOLLOWERS. 10"X10" MIRROR AND PIN TRAY INSIDE DOOR. INCLUDE DOOR LOCK. WIDTH VARIES.
▲	INDICATES FINISHED END

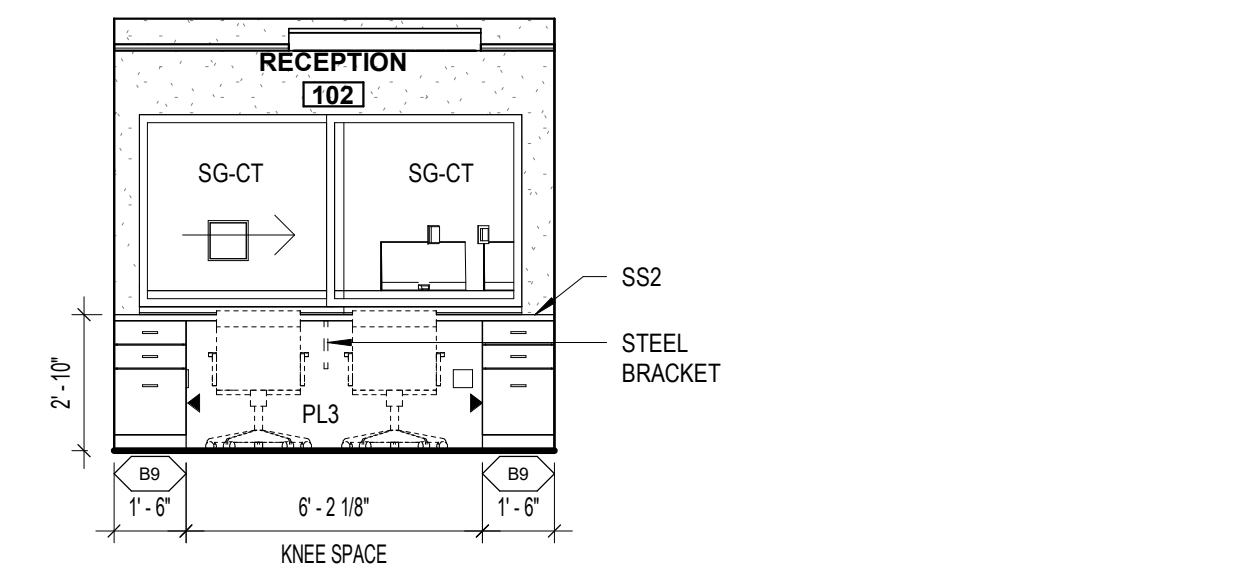
1. ALL CASEWORK SHOWN IS MANUFACTURED PLASTIC LAMINATE CASEWORK, TYPICAL UNLESS NOTED OTHERWISE.



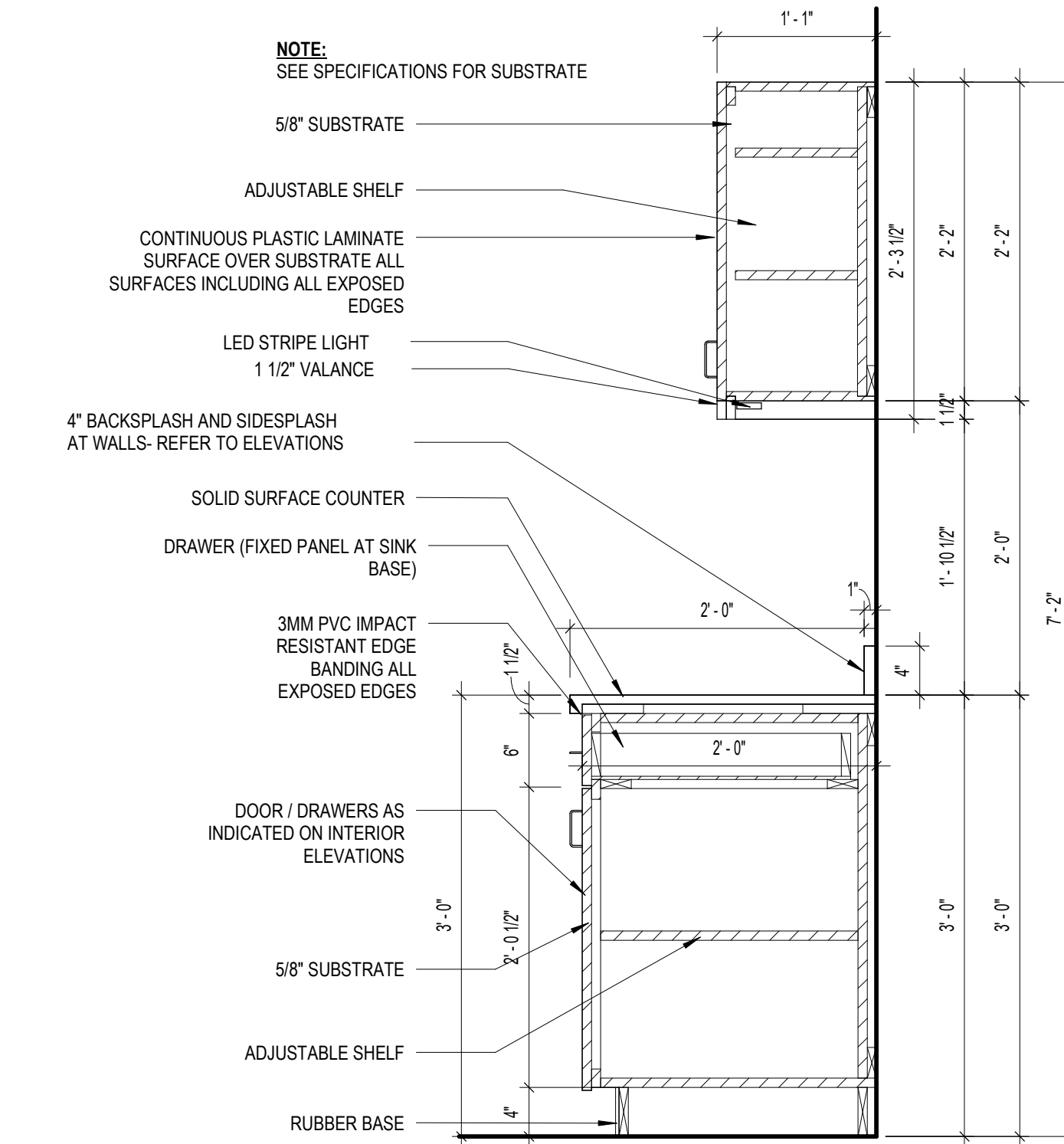
14 ACTIVITY KITCHEN 115A - EAST ELEVATION
A4-10 1/4" = 1'-0"



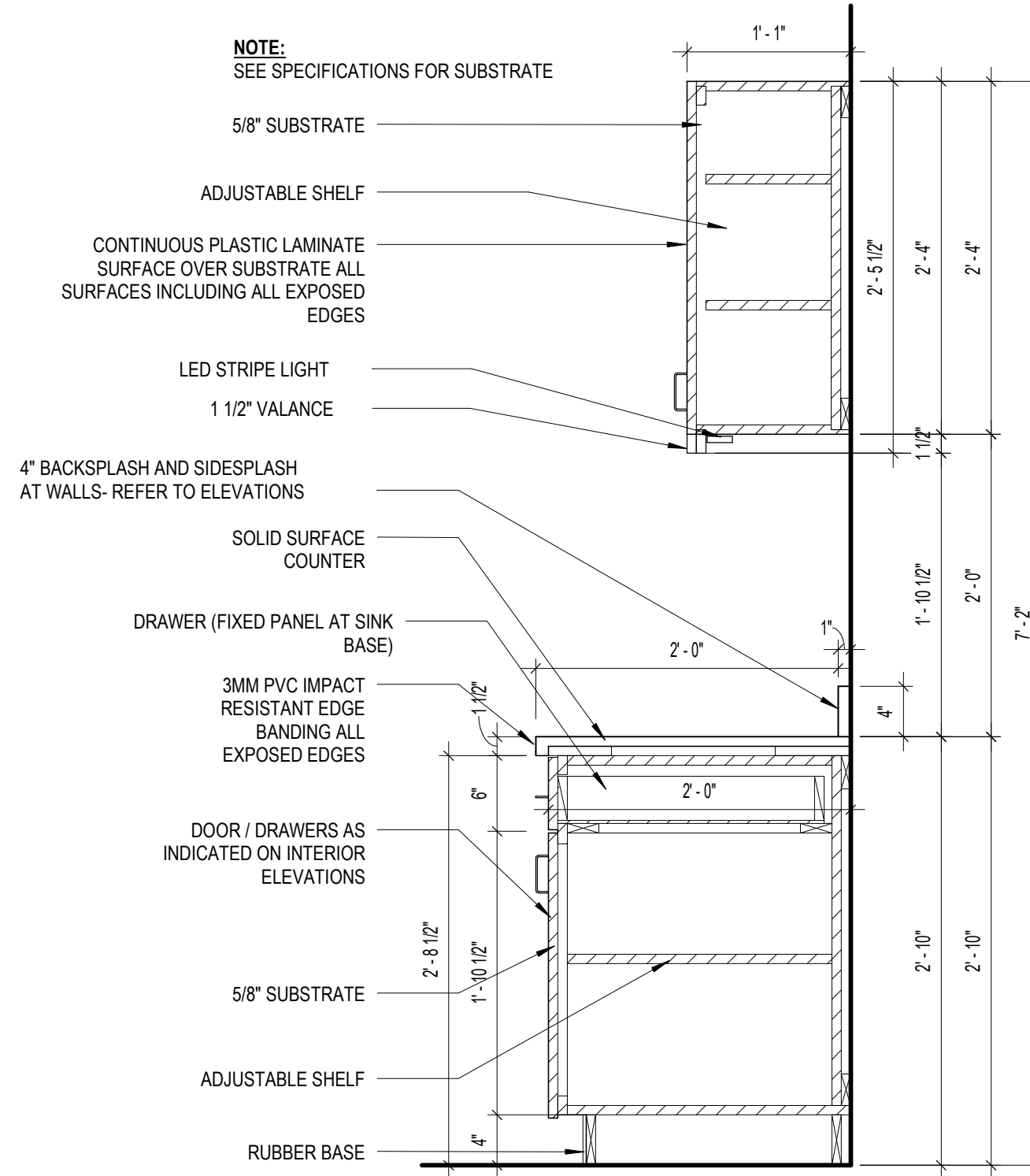
13 ACTIVITY KITCHEN 115A - WEST ELEVATION
A4-10 1/4" = 1'-0"



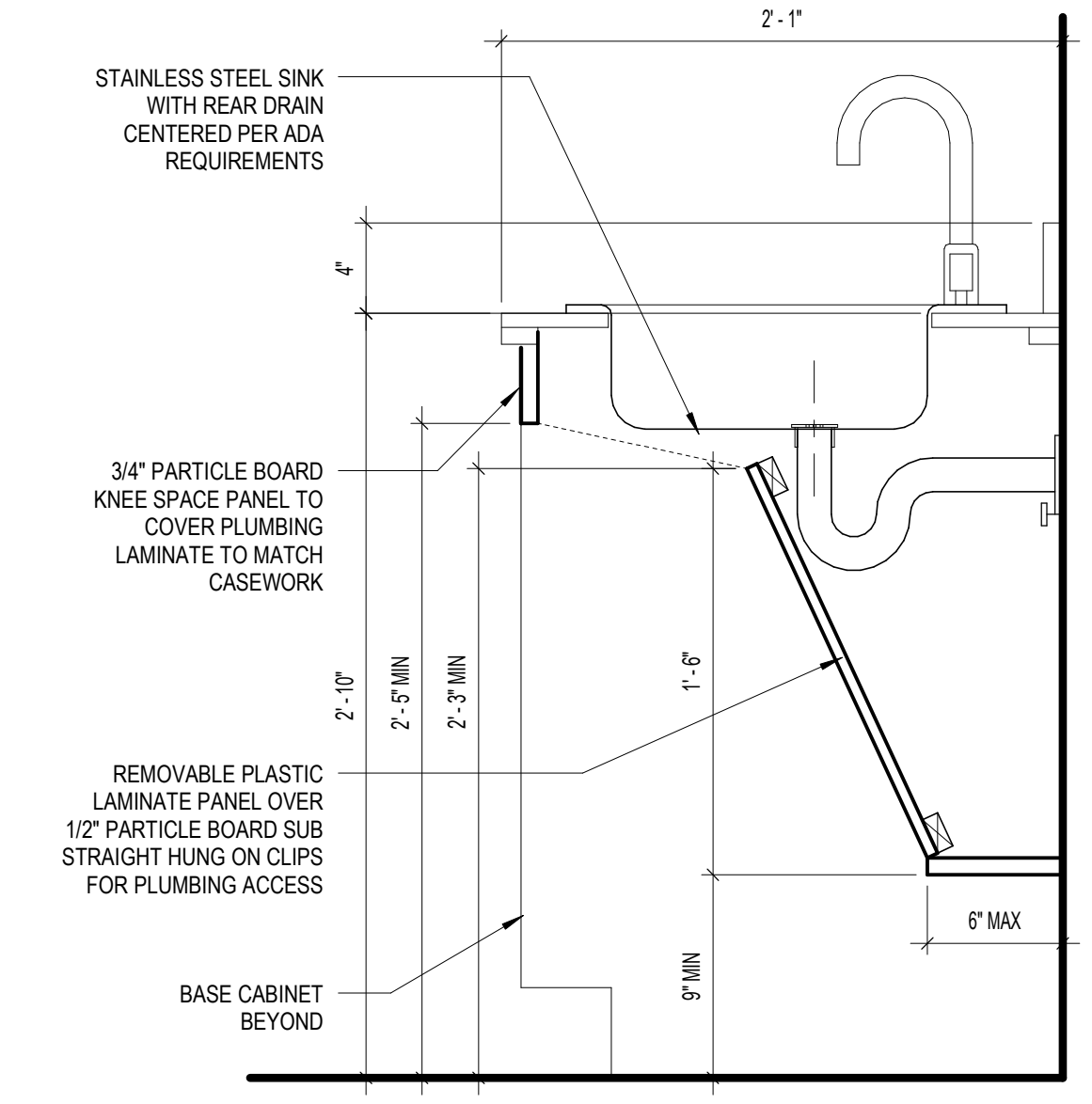
10 102 RECEPTION - EAST ELEVATION
A4-10 1/4" = 1'-0"



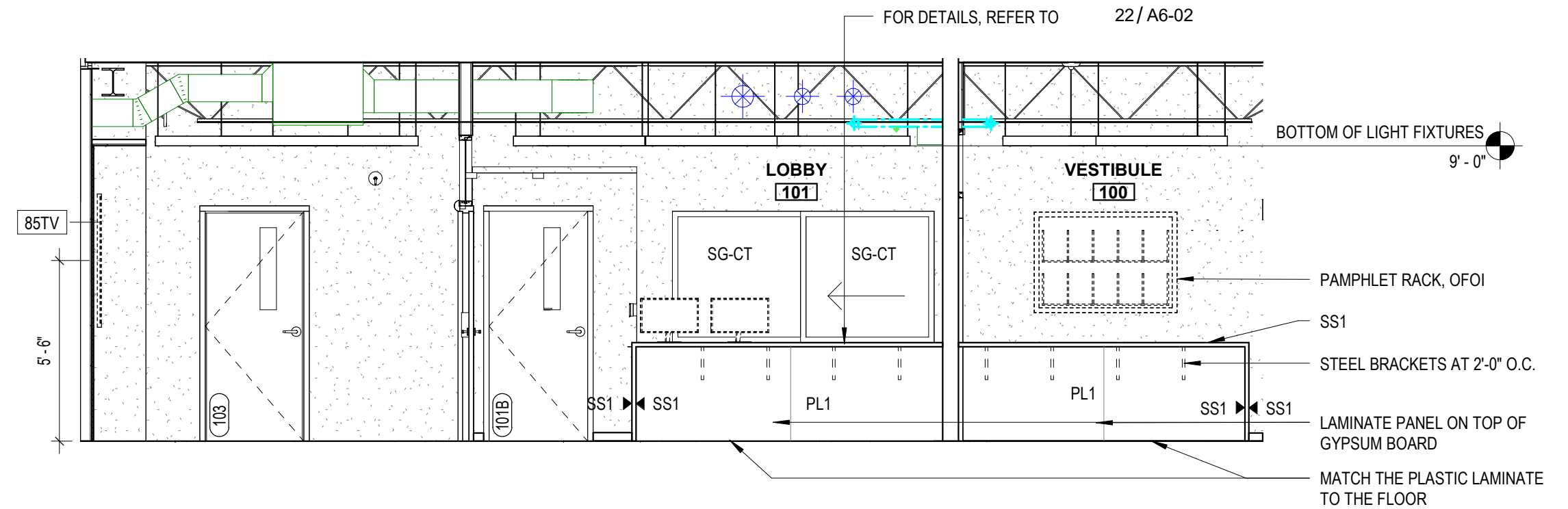
17 TYPICAL CASEWORK DETAIL
A4-10 1" = 1'-0"



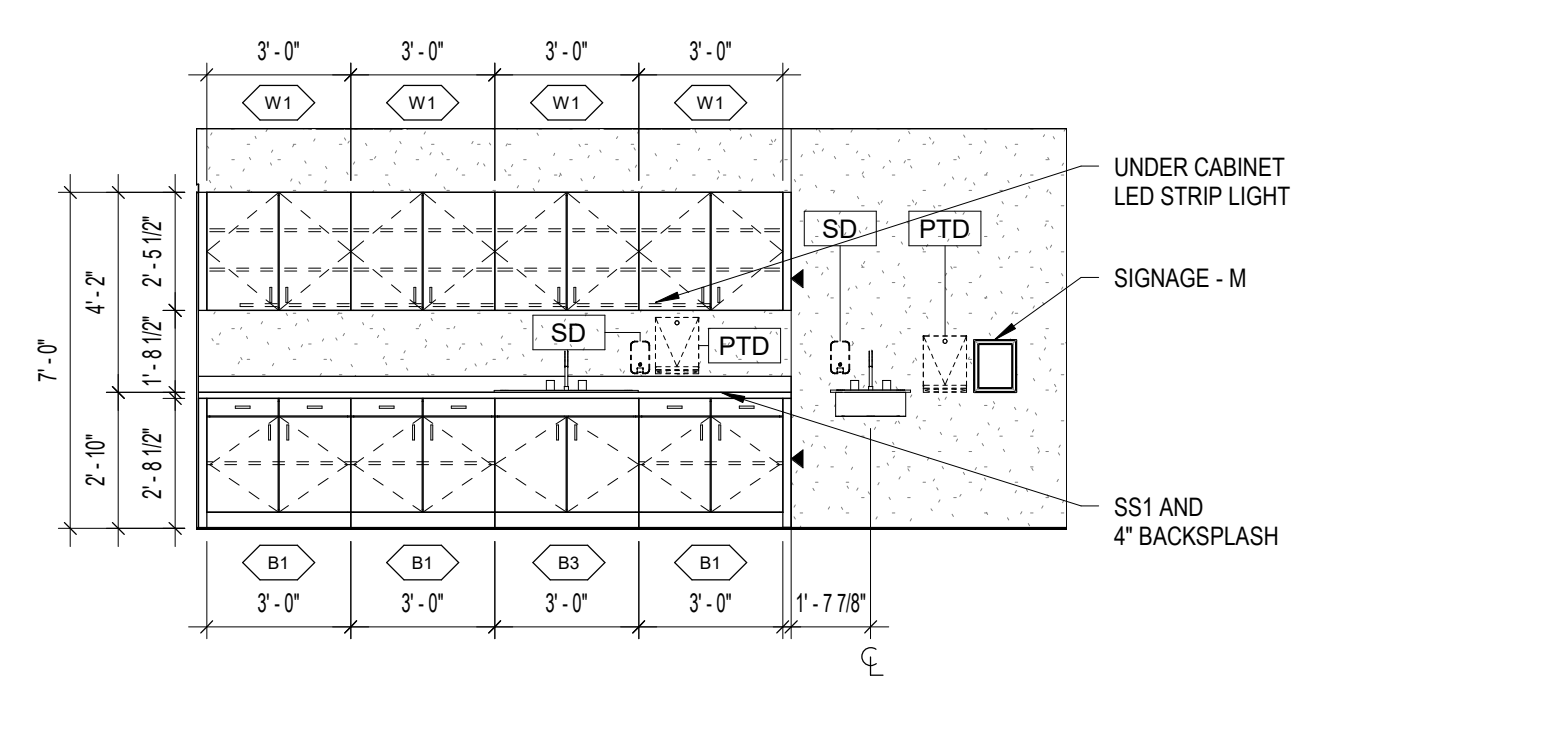
18 TYPICAL ADA CASEWORK DETAIL
A4-10 1" = 1'-0"



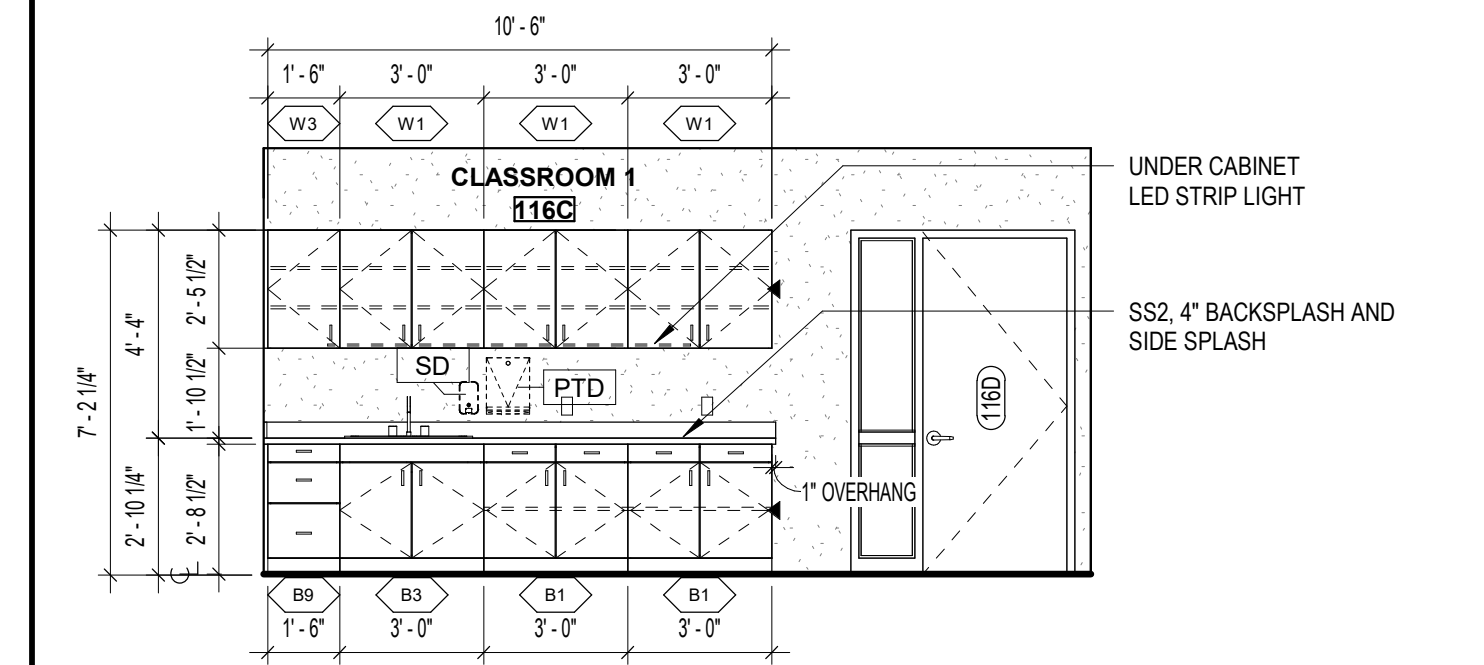
19 SECTION THROUGH ADA LAVATORY
A4-10 1 1/2" = 1'-0"



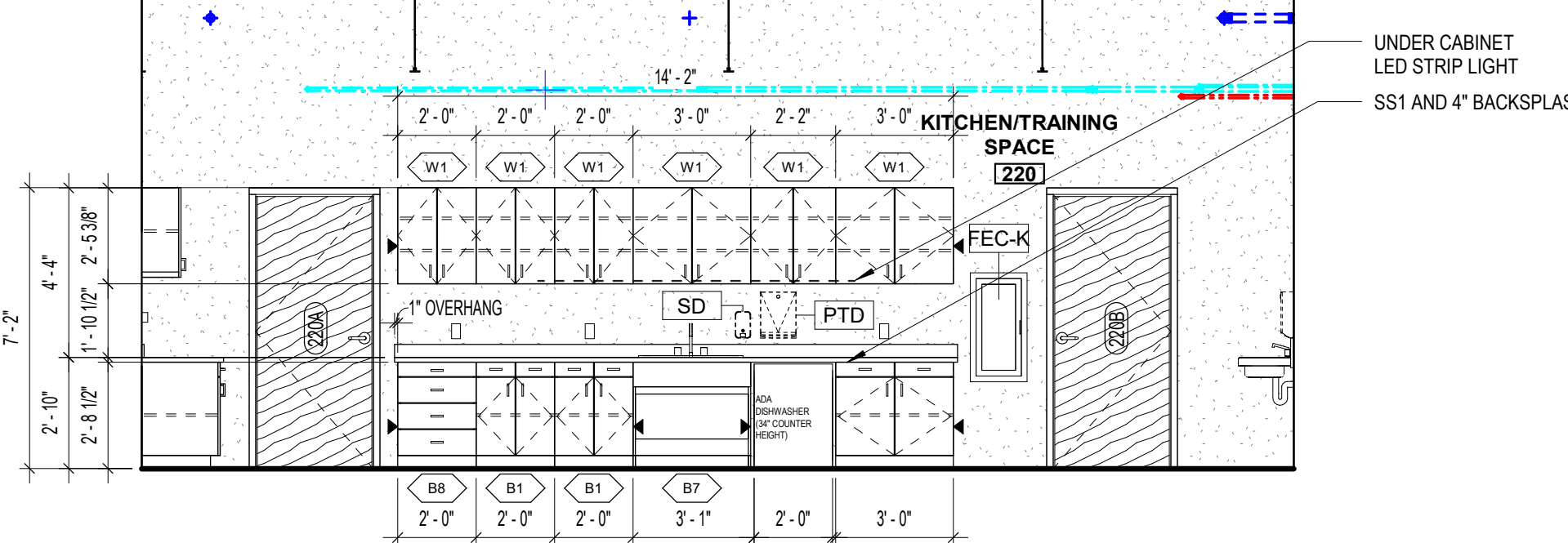
11 LOBBY 101 AND VESTIBULE 100 - WEST ELEVATION
A4-10 1/4" = 1'-0"



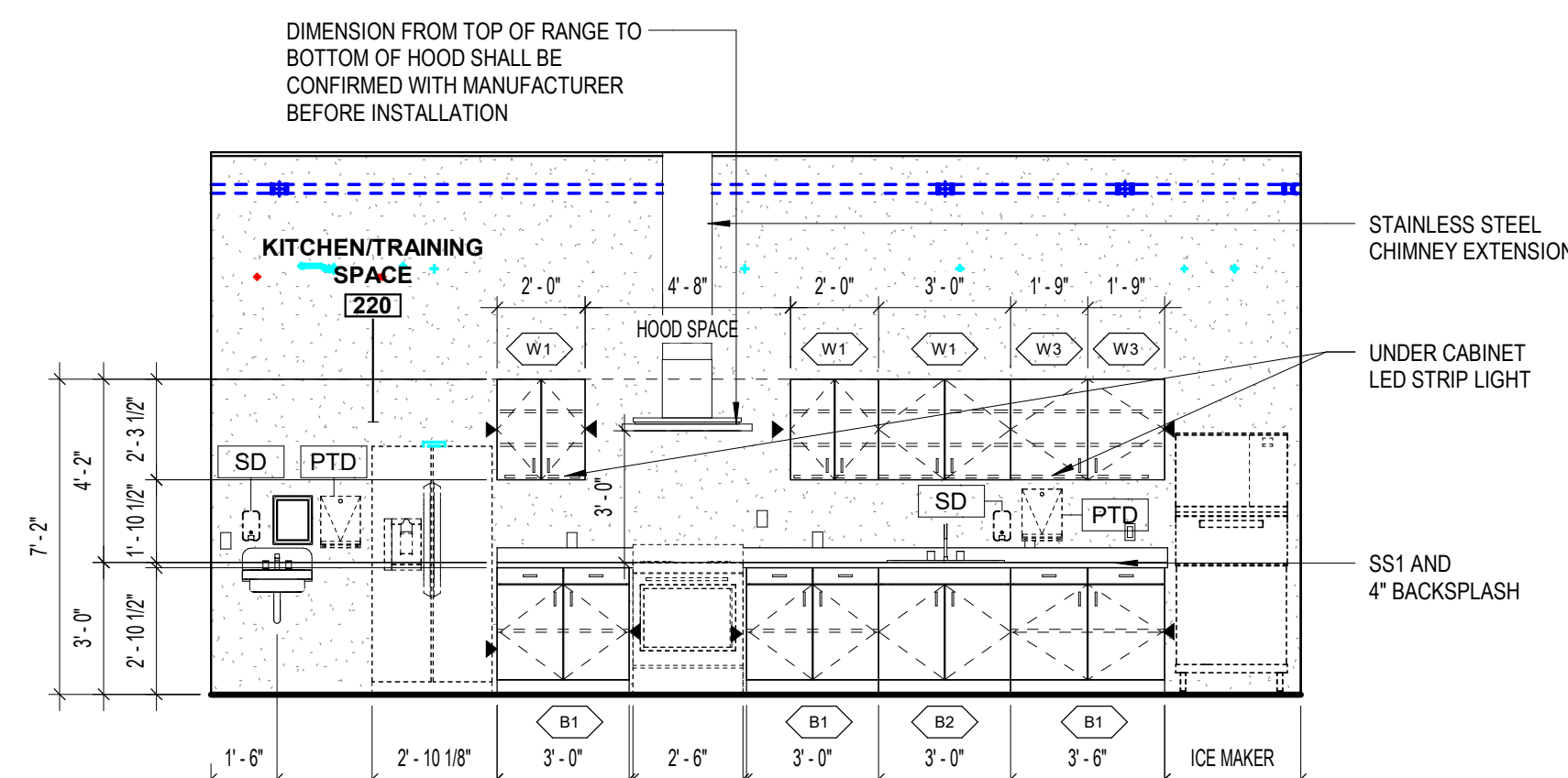
12 KITCHEN 109 - WEST ELEVATION
A4-10 1/4" = 1'-0"



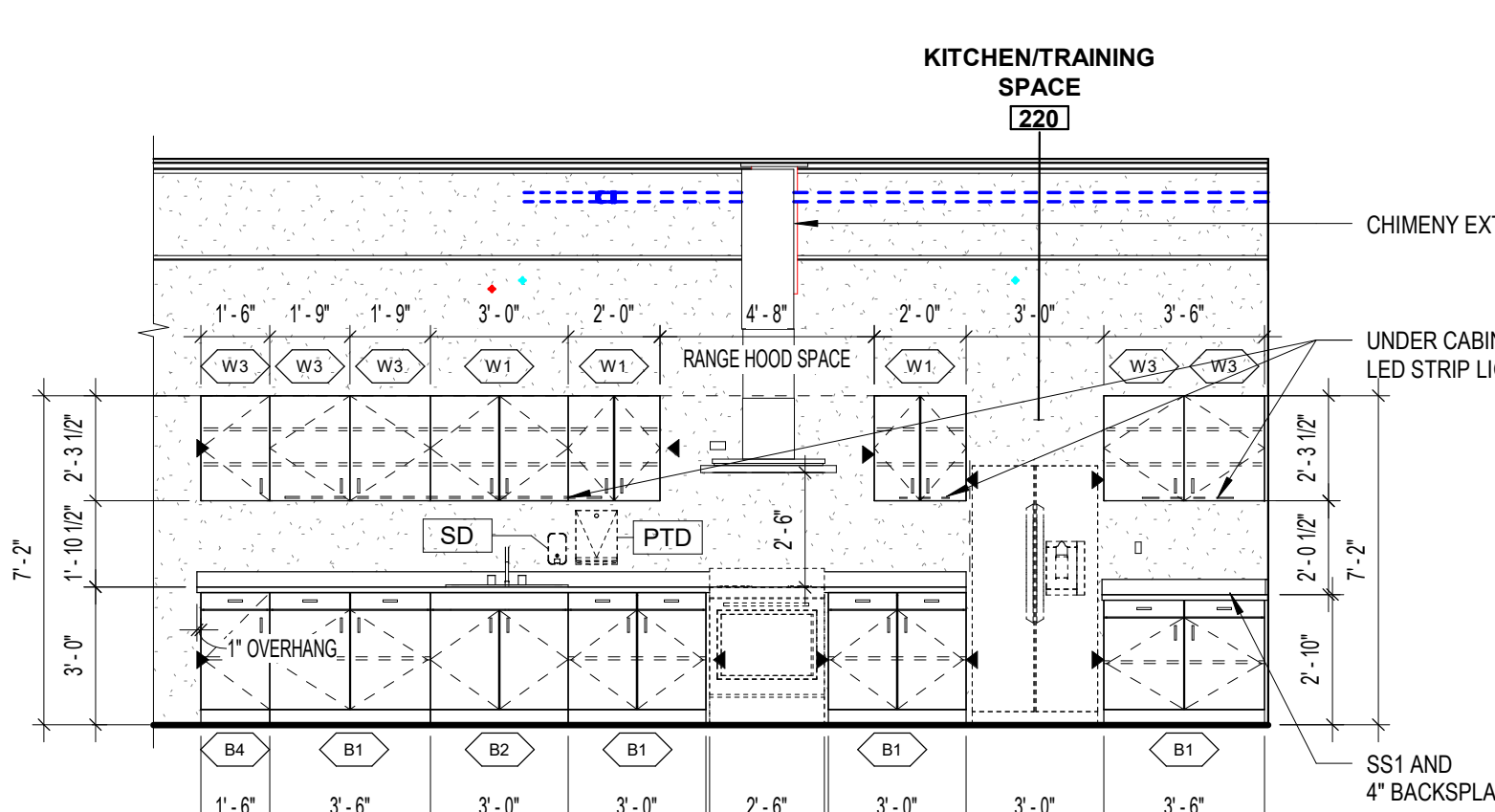
6 116 C CLASSROOM 1 - N
A4-10 1/4" = 1'-0"



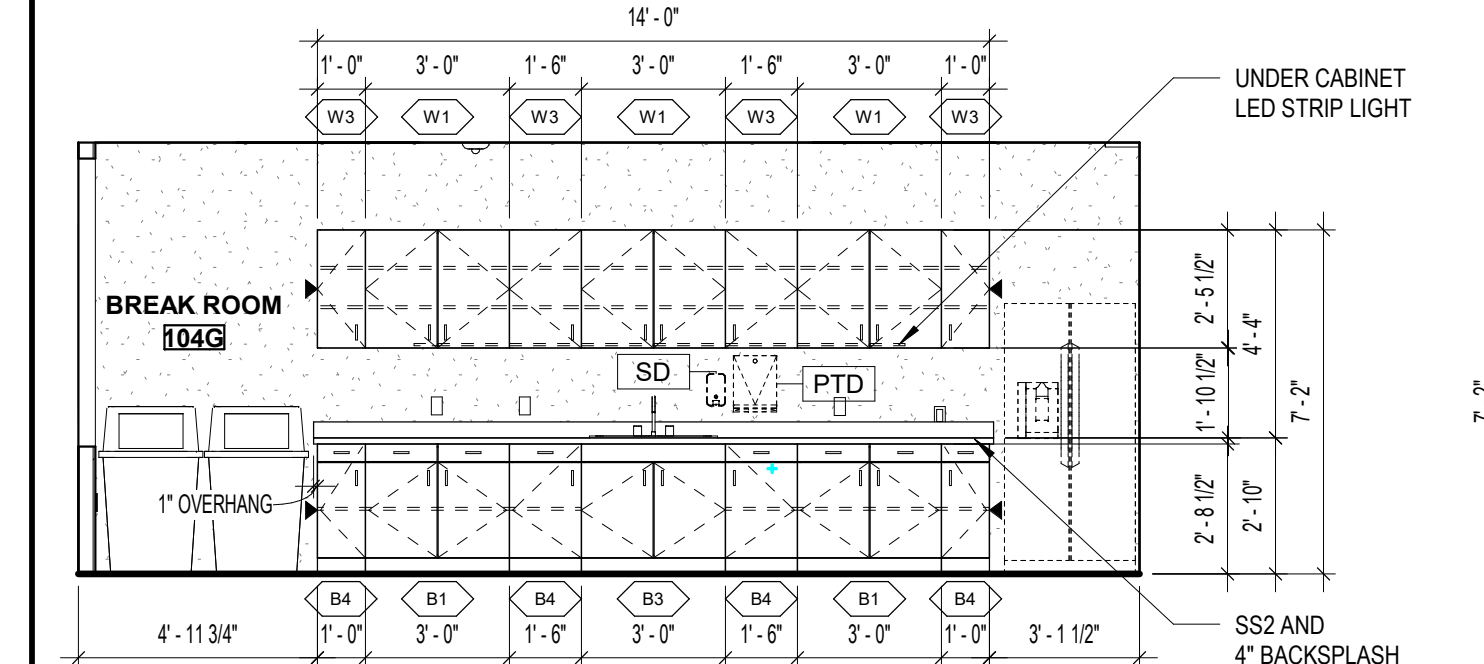
7 KITCHEN TRAINING SPACE 220 - NORTH ELEVATION
A4-10 1/4" = 1'-0"



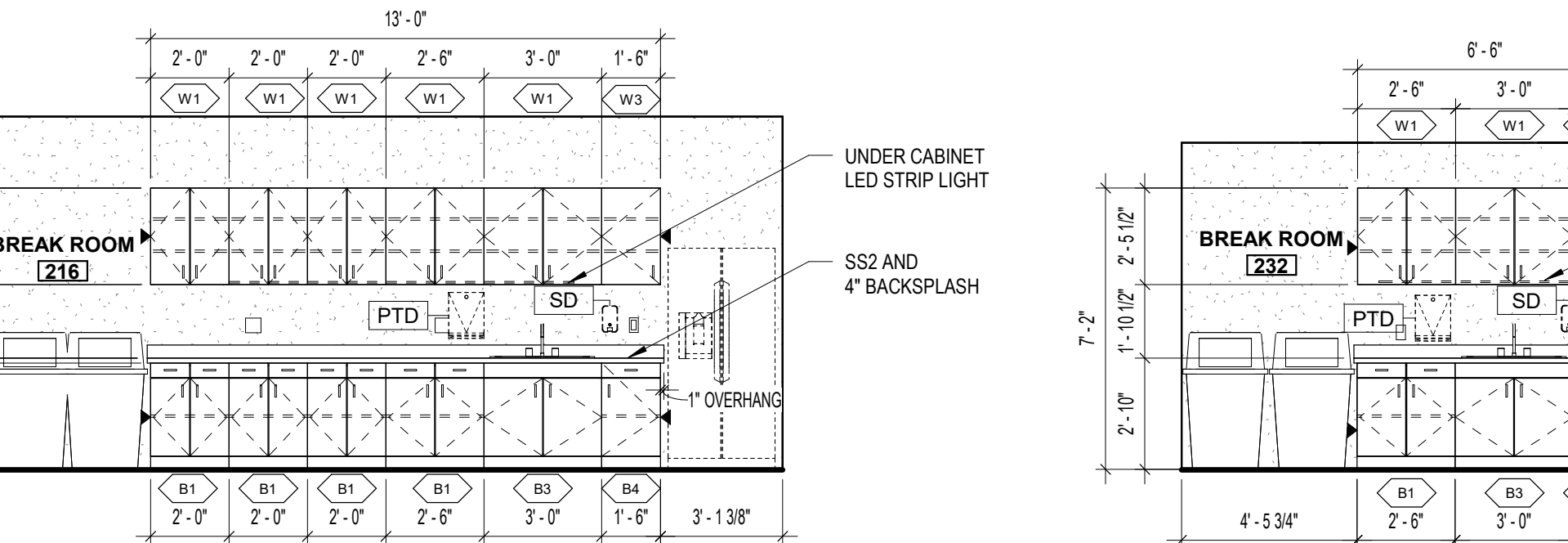
8 KITCHEN TRAINING SPACE 220 - EAST ELEVATION
A4-10 1/4" = 1'-0"



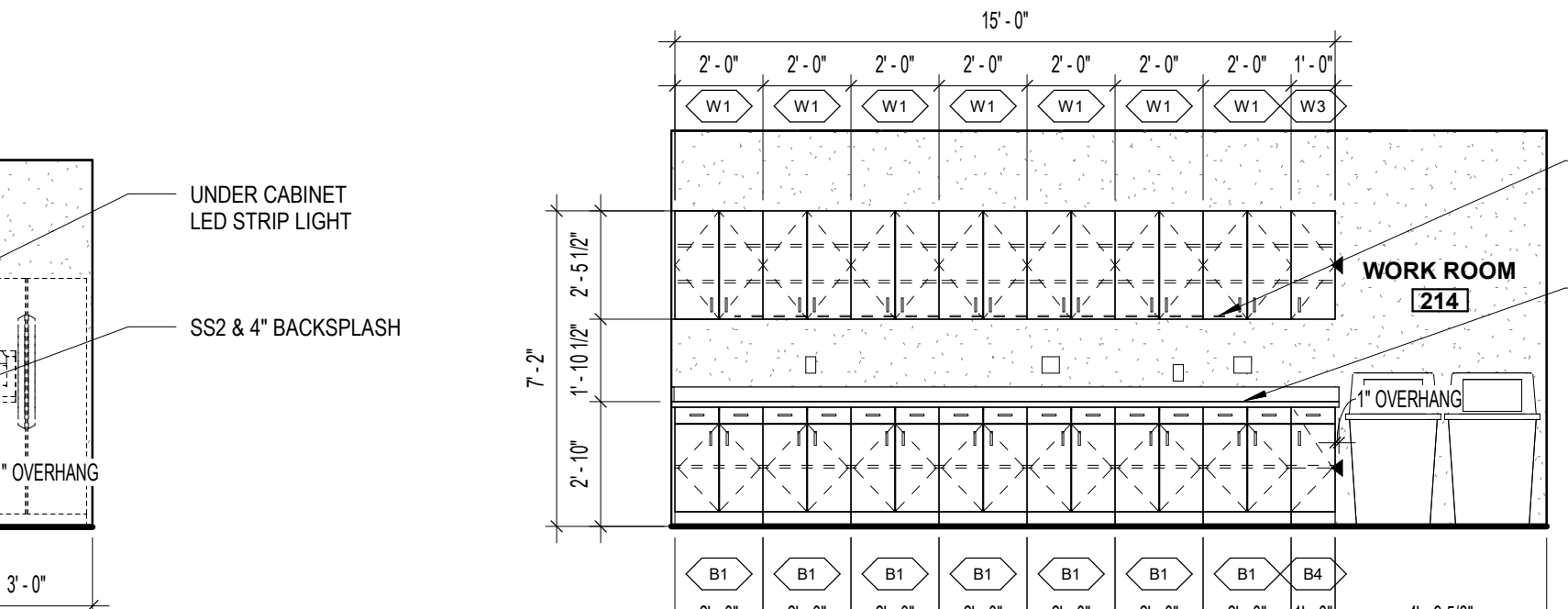
9 KITCHEN TRAINING SPACE 220 - WEST ELEVATION
A4-10 1/4" = 1'-0"



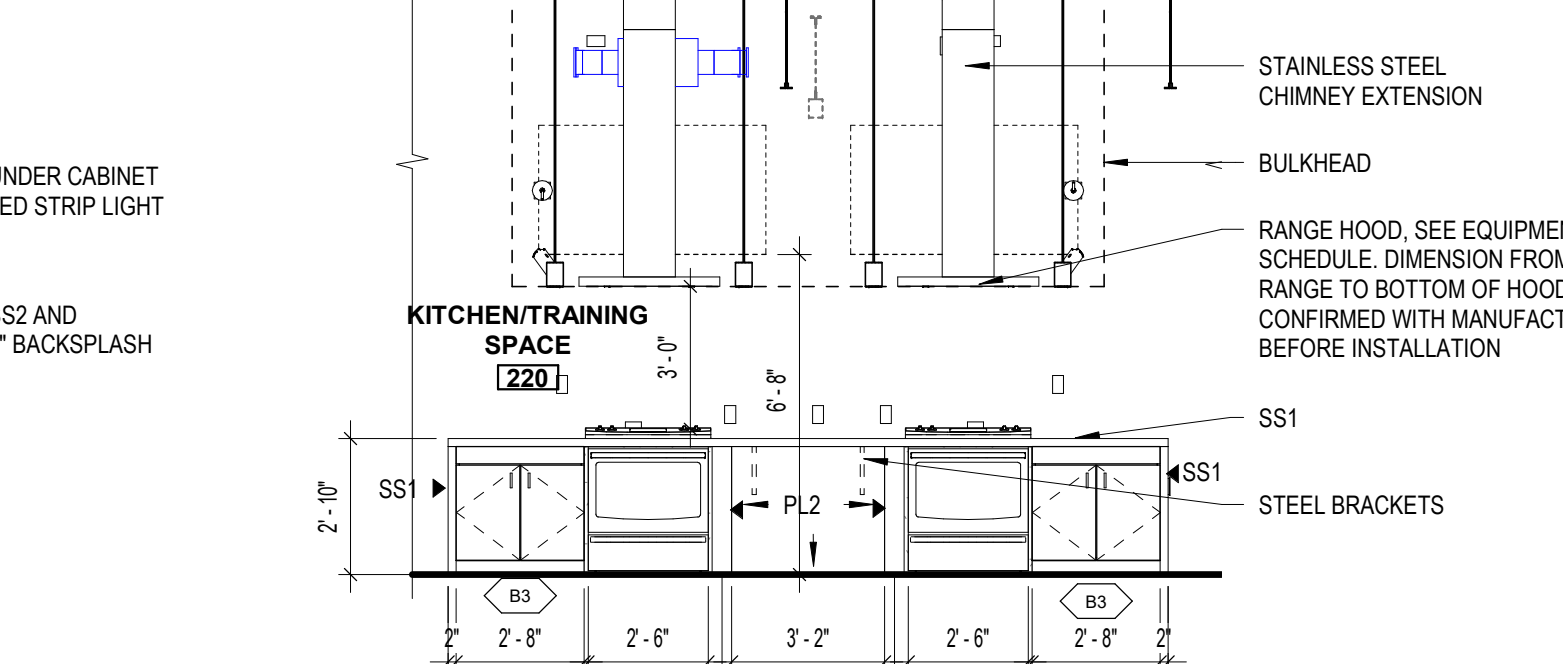
1 BREAK ROOM 104G - SOUTH ELEVATION
A4-10 1/4" = 1'-0"



2 BREAK ROOM 216 - SOUTH ELEVATION
A4-10 1/4" = 1'-0"



3 BREAK ROOM 232 - EAST ELEVATION
A4-10 1/4" = 1'-0"

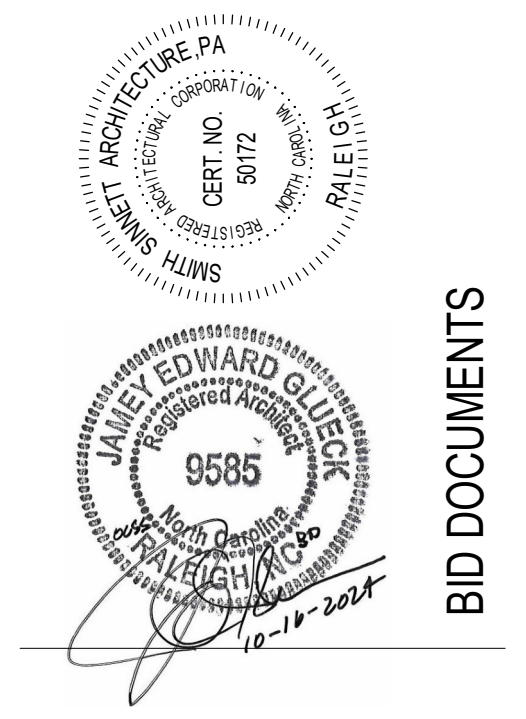


5 KITCHEN TRAINING SPACE 220 - SOUTH ELEV.
A4-10 1/4" = 1'-0"

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T 919 781 8582
F 919 781 3979
4000 Lake Boone Trail
Suite 205
Raleigh, NC 27607
info@smithsinnett.com



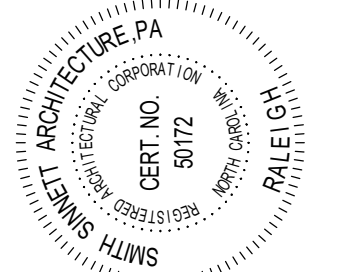
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Onslow County Senior Services Center Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION

DRAWN BY: RM, FA, NB
CHECKED BY: JEG
CASEWORK ELEVATIONS AND DETAILS

2021029 16 OCT. 2024
A4-10



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Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

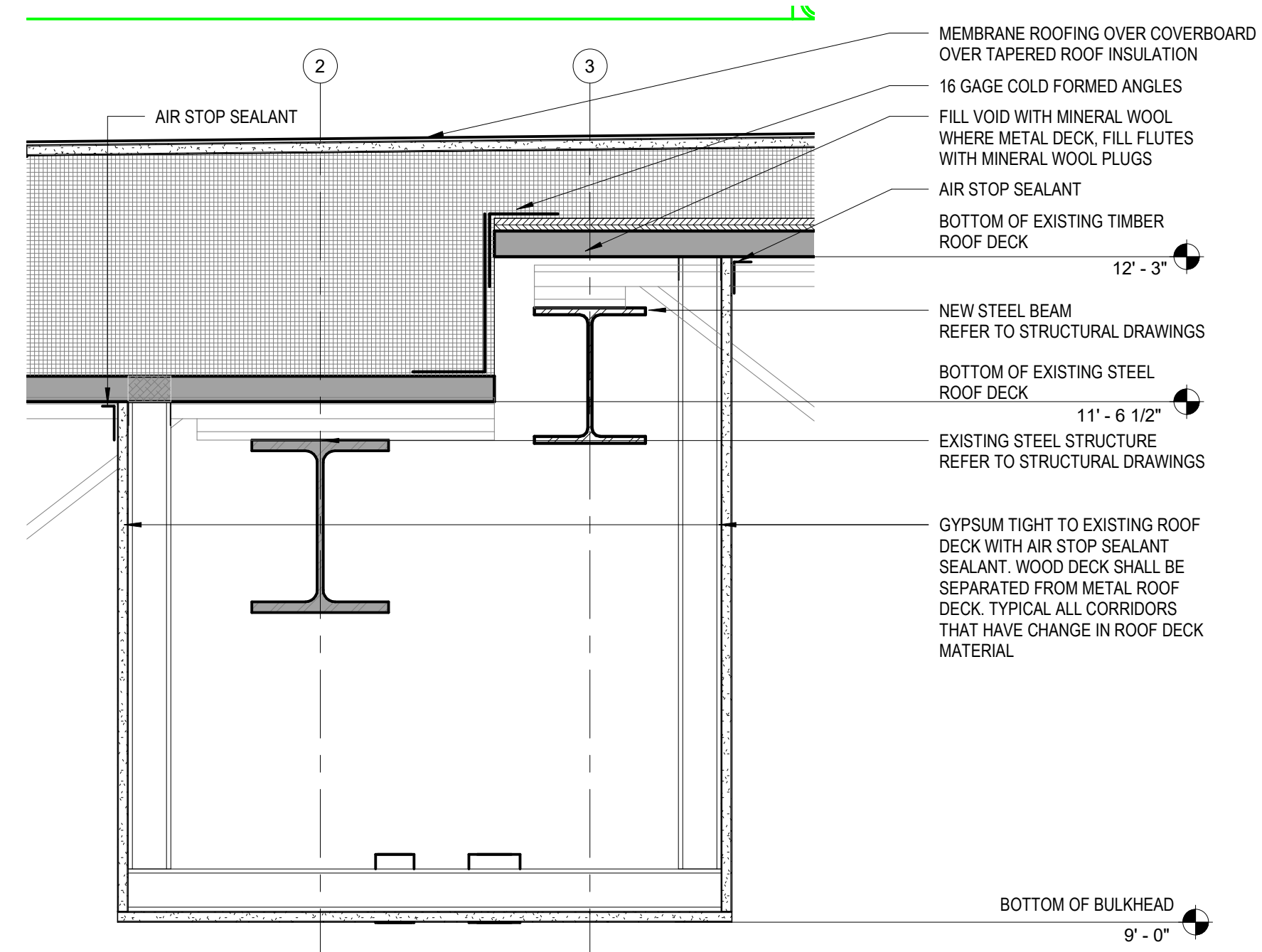
ID DATE DESCRIPTION

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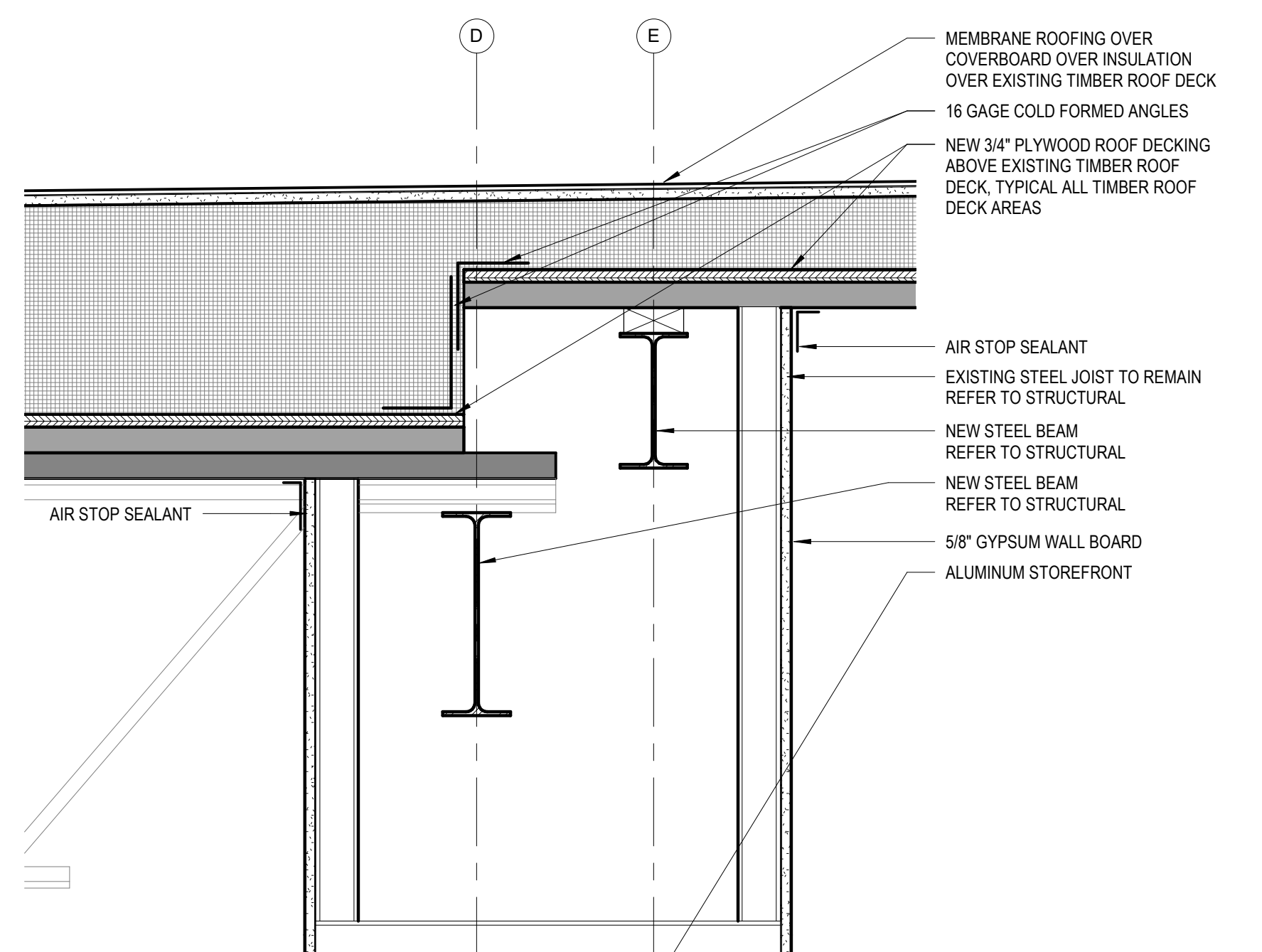
ROOF DETAILS

2021029 16 OCT. 2024

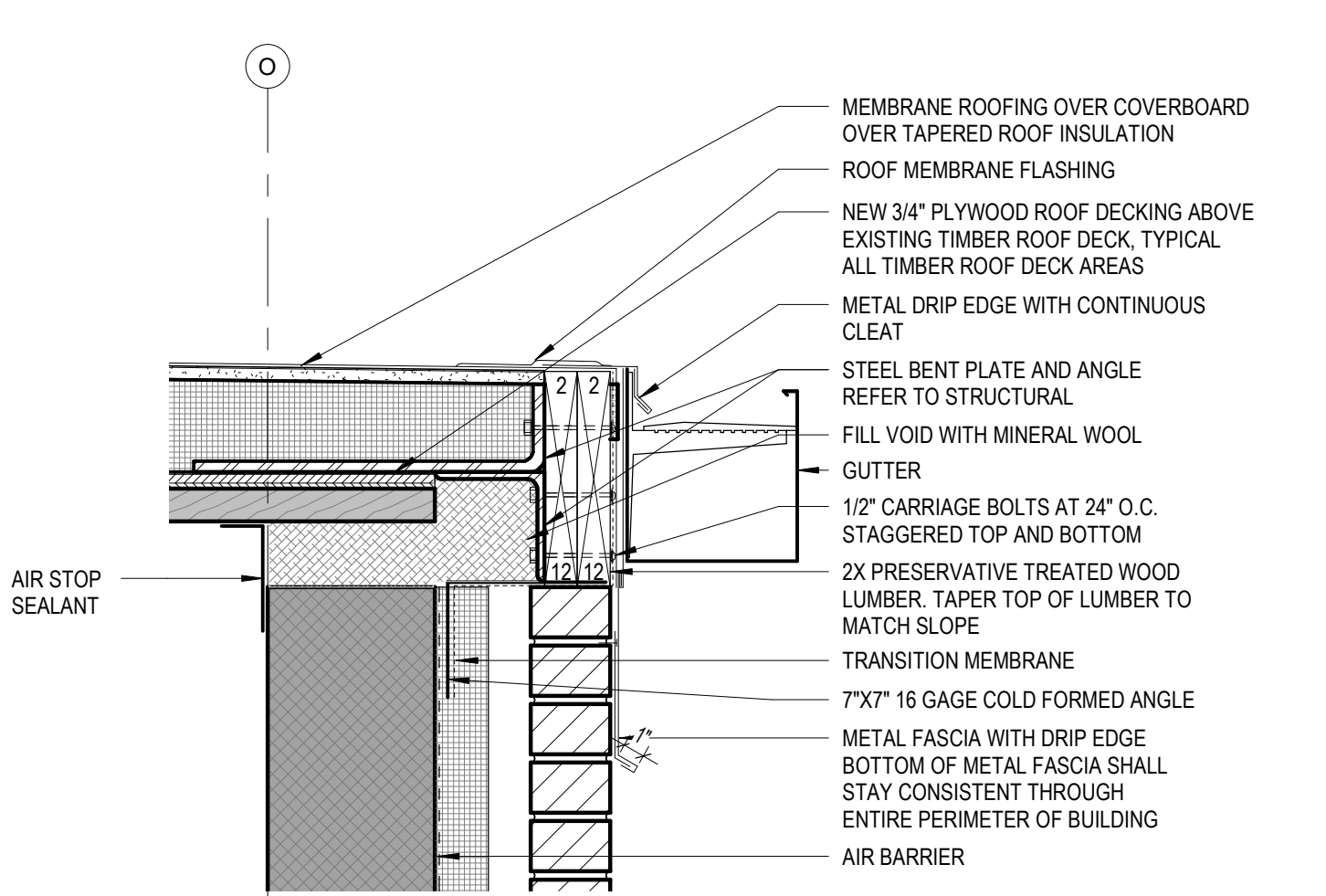
A5-01



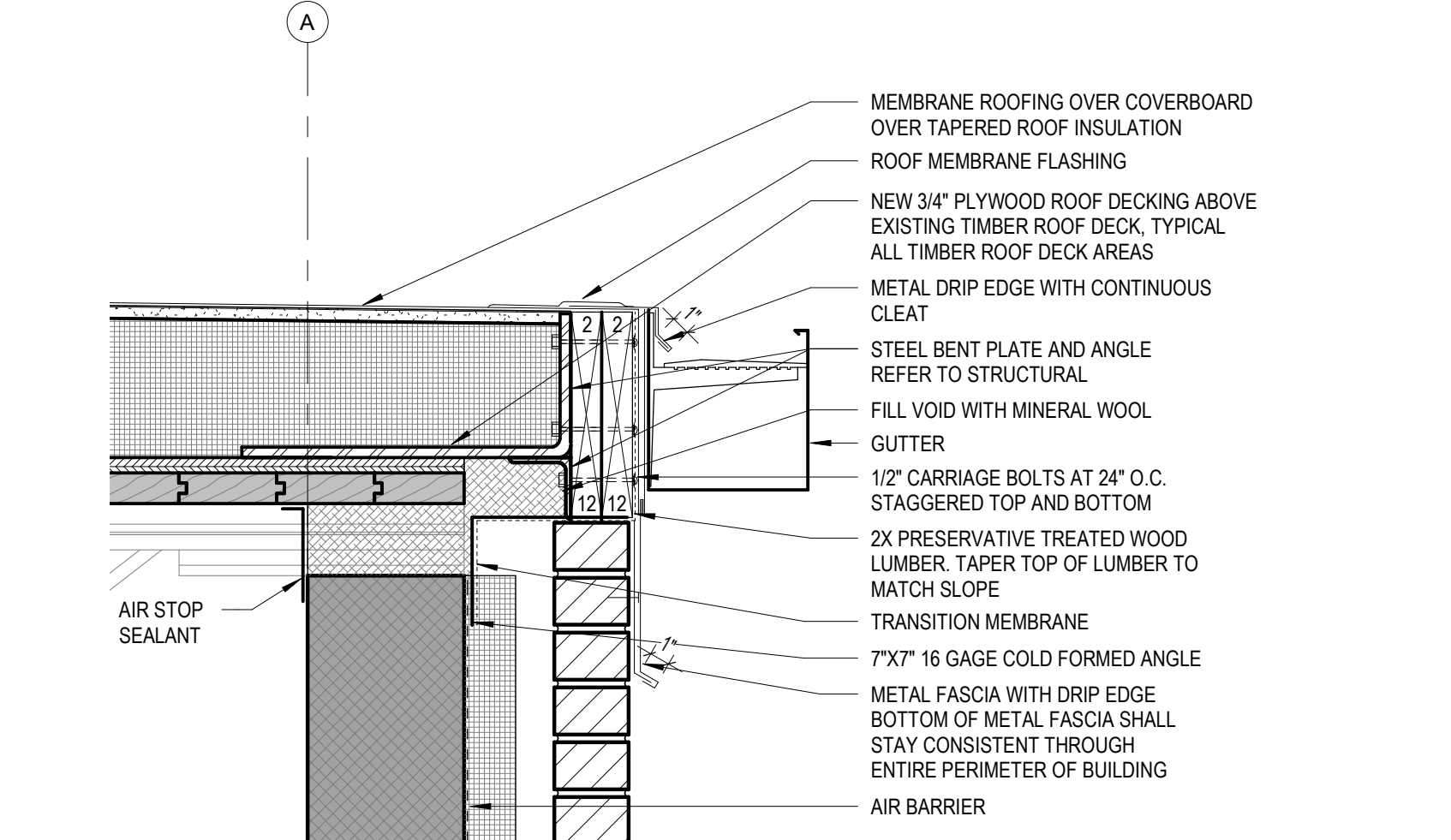
10 ROOF DETAIL
A5-01 1 1/2" = 1'-0"



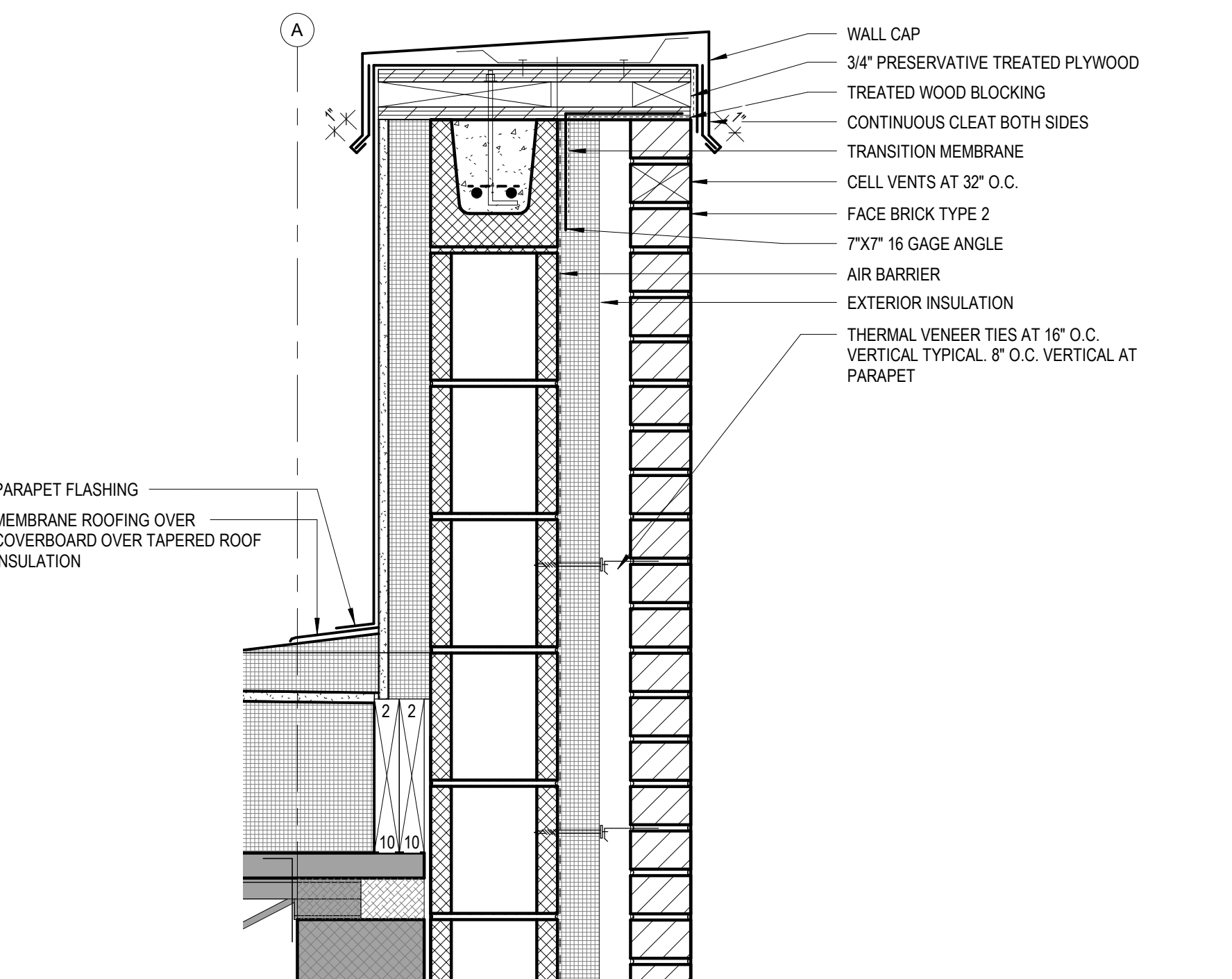
4 HEAVY TIMBER ROOF DECK STEP UP DETAIL
A5-01 1 1/2" = 1'-0"



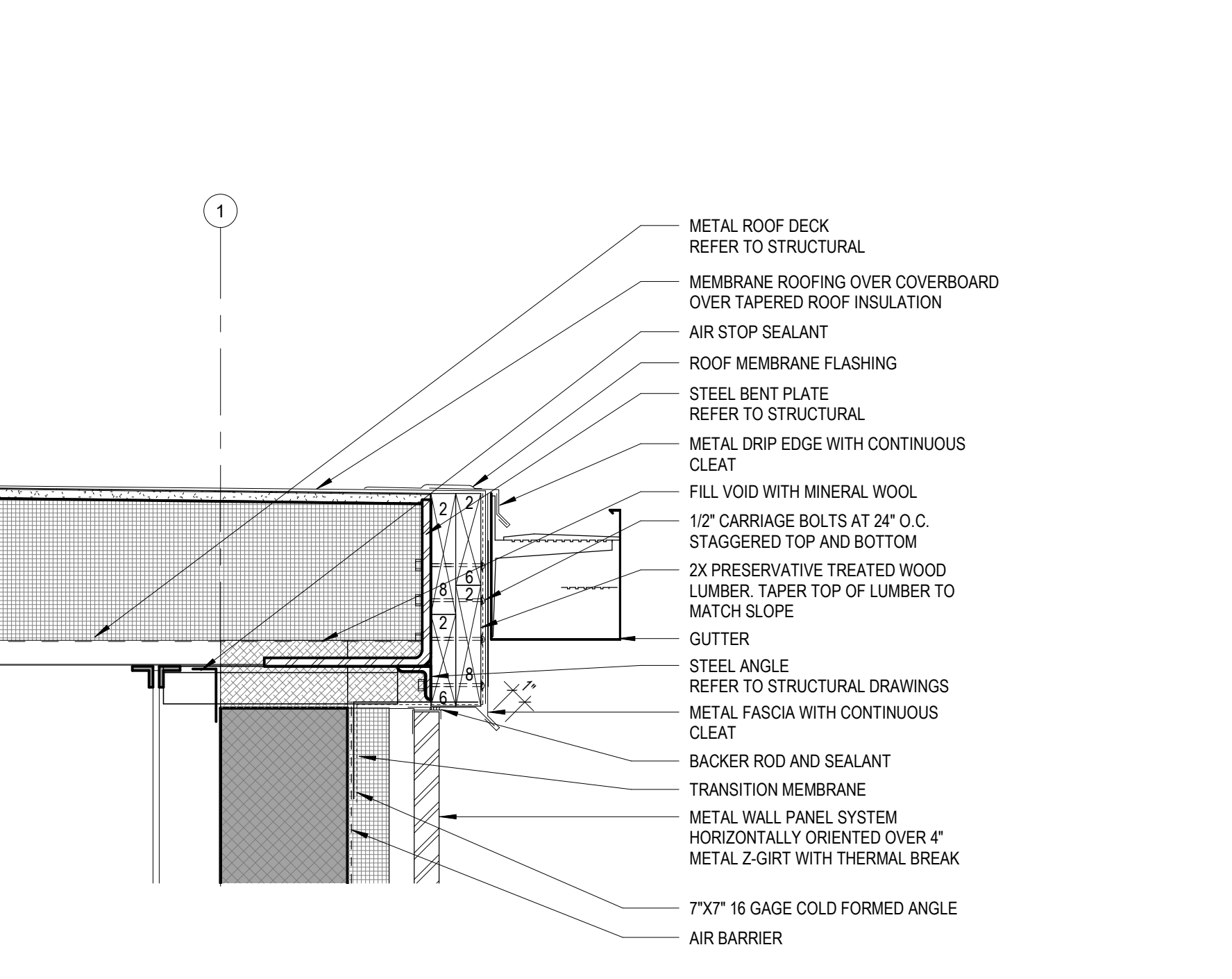
13 HEAVY TIMBER PERPENDICULAR TO JOIST
A5-01 1 1/2" = 1'-0"



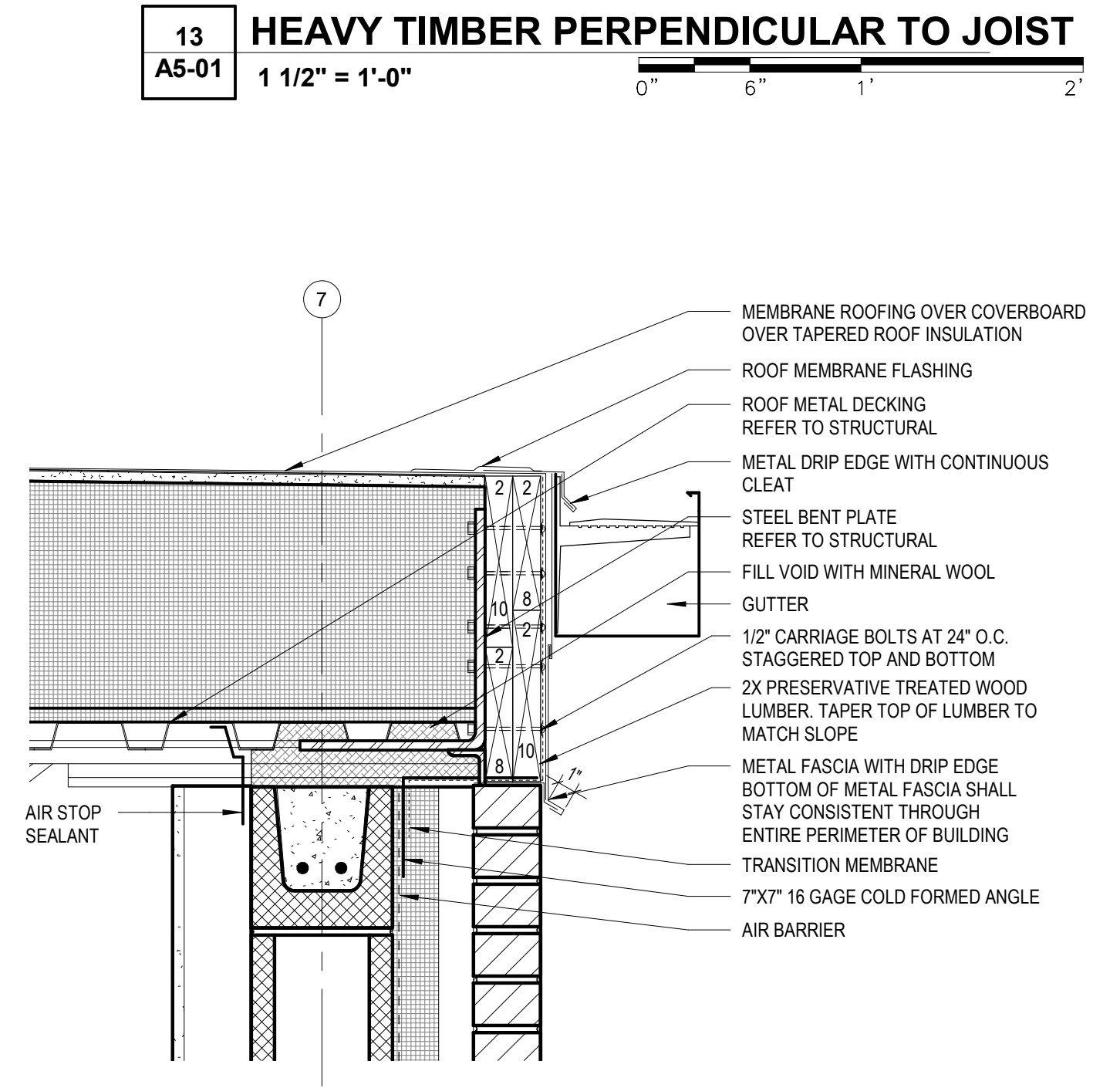
1 HEAVY TIMBER PARALLEL TO JOIST ROOF EDGE DETAIL
A5-01 1 1/2" = 1'-0"



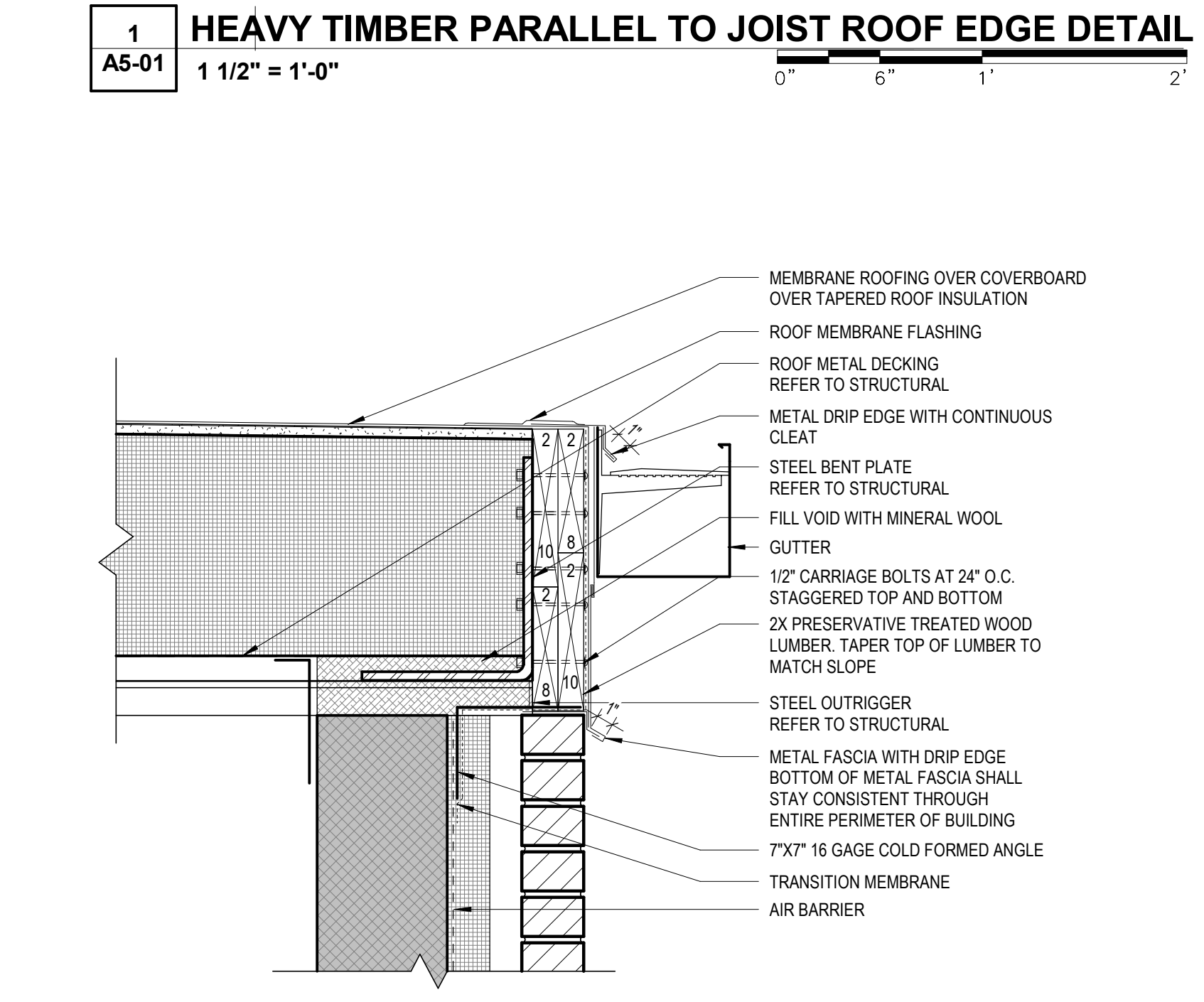
3 TYPICAL PARAPET DETAIL
A5-01 1 1/2" = 1'-0"



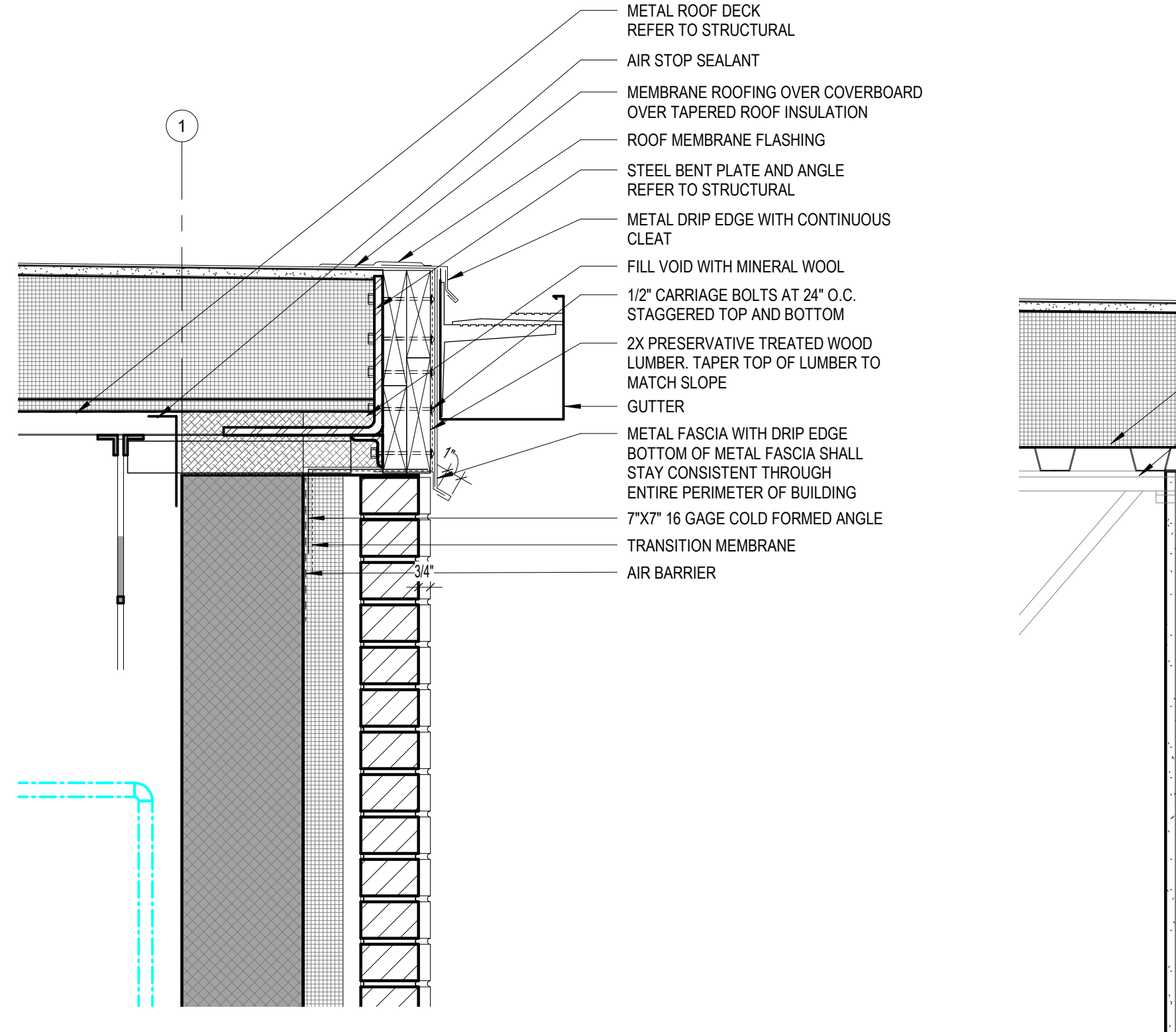
9 METAL DECK ROOF EDGE PERPENDICULAR TO JOIST DETAIL AT METAL WALL PANEL
A5-01 1 1/2" = 1'-0"



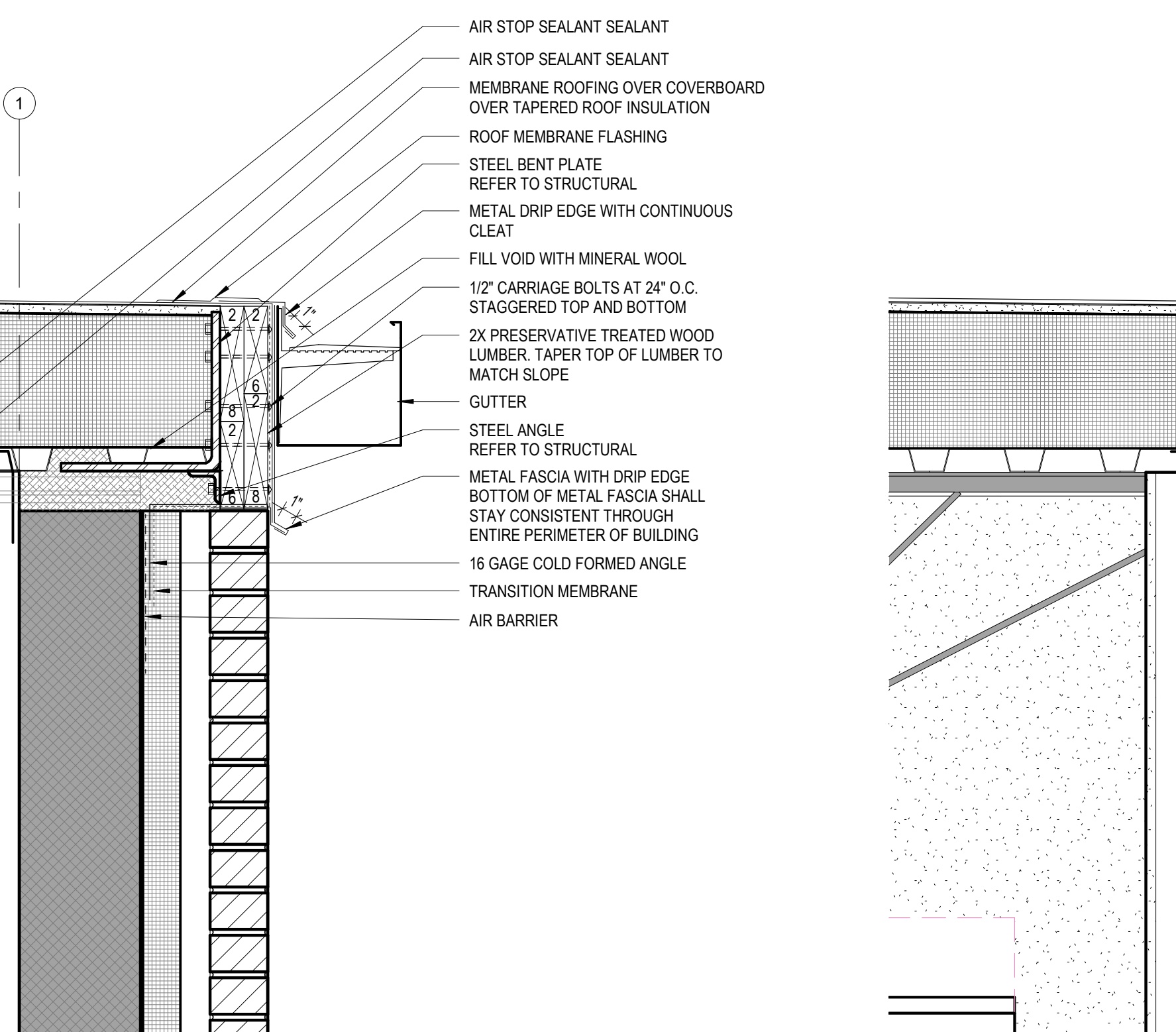
5 NEW METAL DECK ROOF EDGE PARALLEL TO JOIST DETAIL
A5-01 1 1/2" = 1'-0"



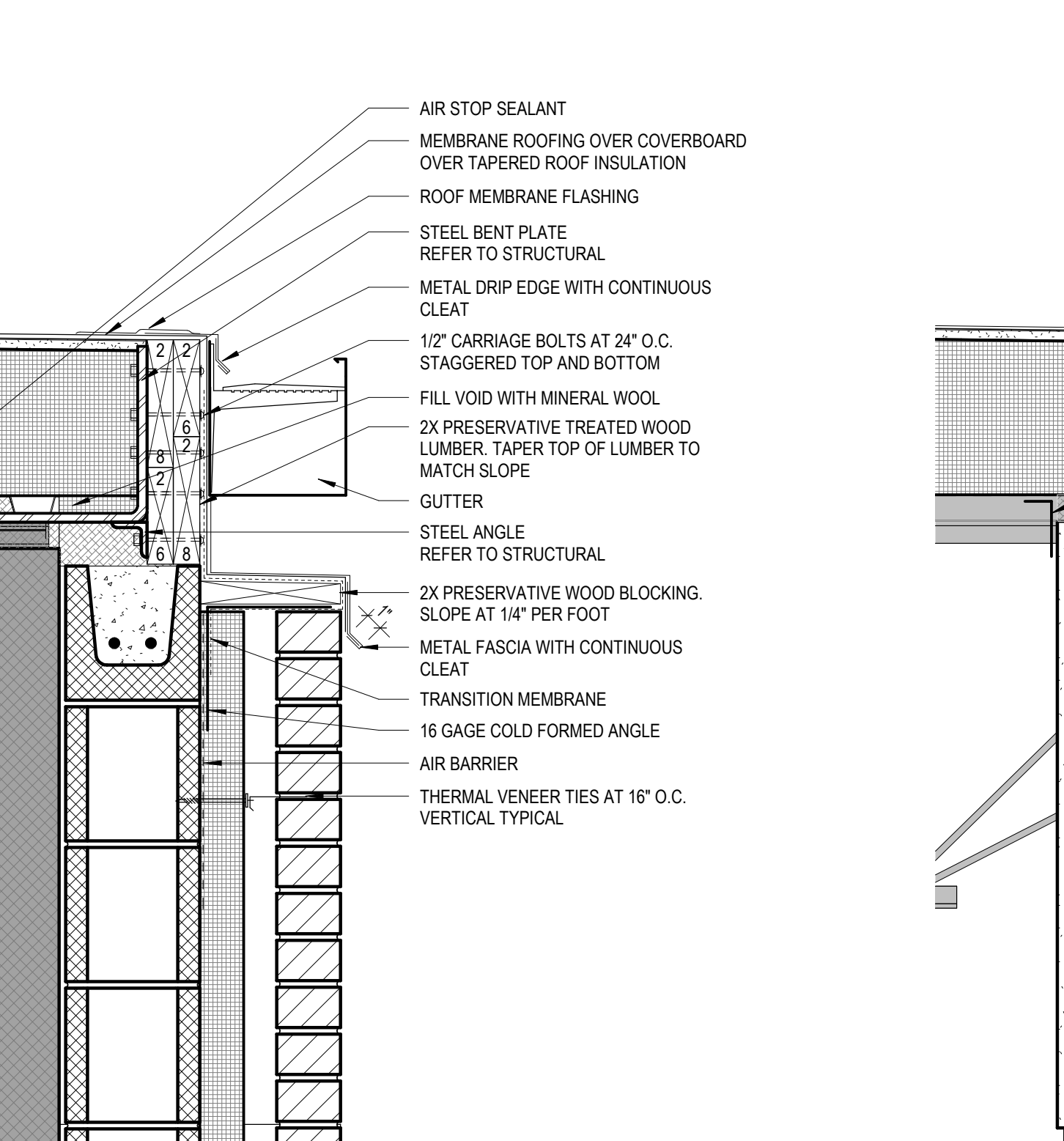
12 METAL DECK ROOF EDGE PERPENDICULAR TO JOIST DETAIL
A5-01 1 1/2" = 1'-0"



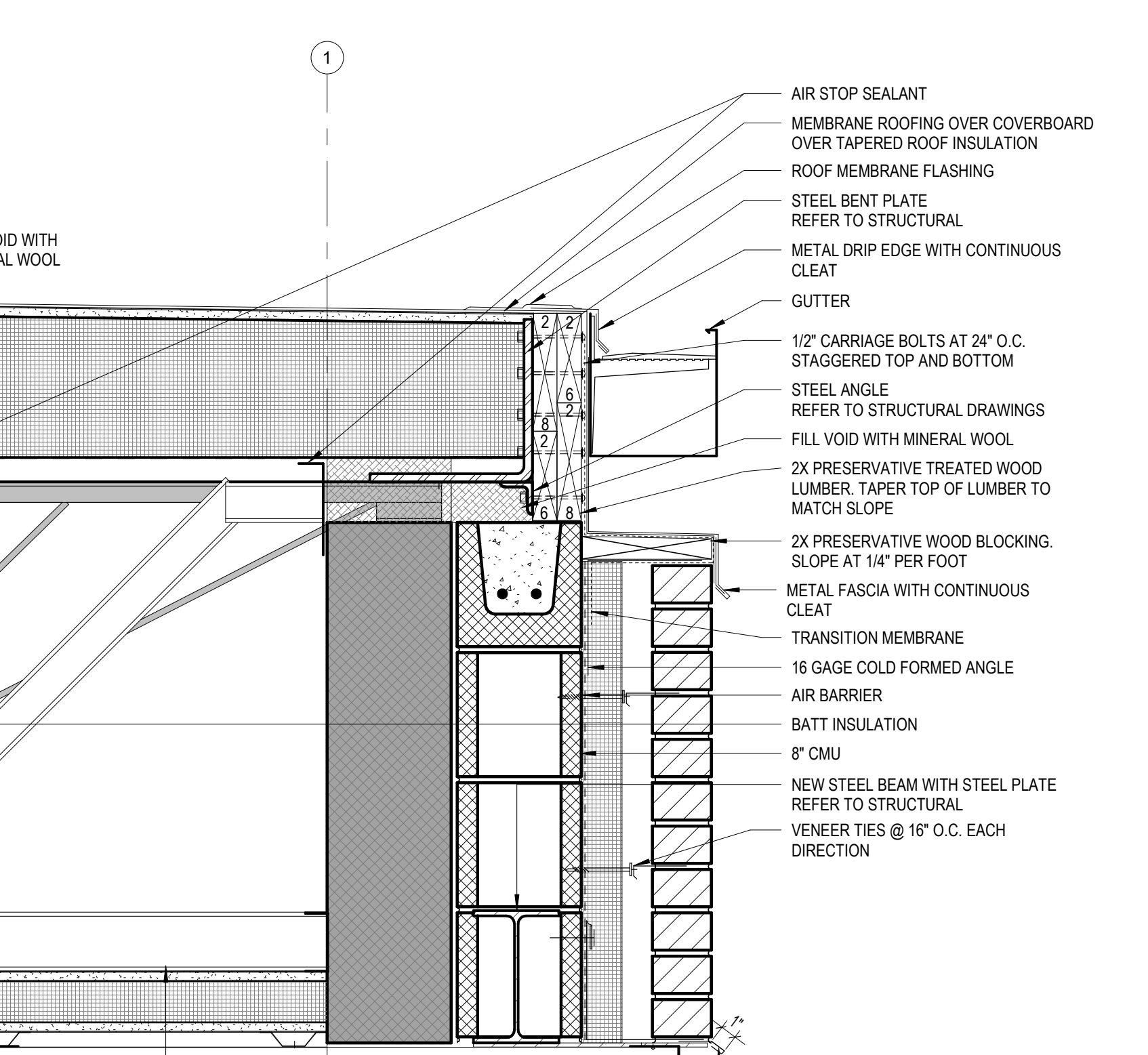
2 METAL DECK ROOF EDGE PERPENDICULAR TO JOIST DETAIL AT ACCENT BRICK TYPE 3
A5-01 1 1/2" = 1'-0"



8 METAL DECK ROOF EDGE PARALLEL TO JOIST DETAIL
A5-01 1 1/2" = 1'-0"

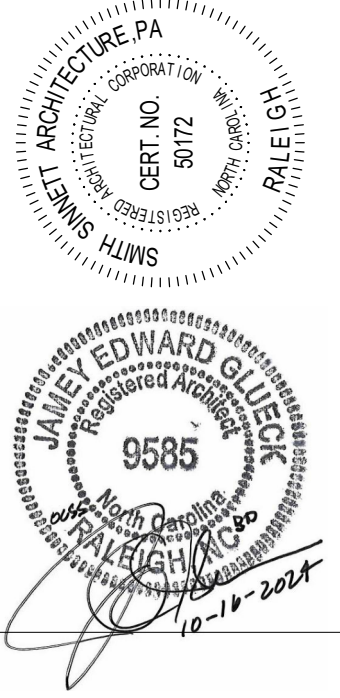


7 METAL DECK ROOF EDGE PARALLEL TO JOIST DETAIL
A5-01 1 1/2" = 1'-0"



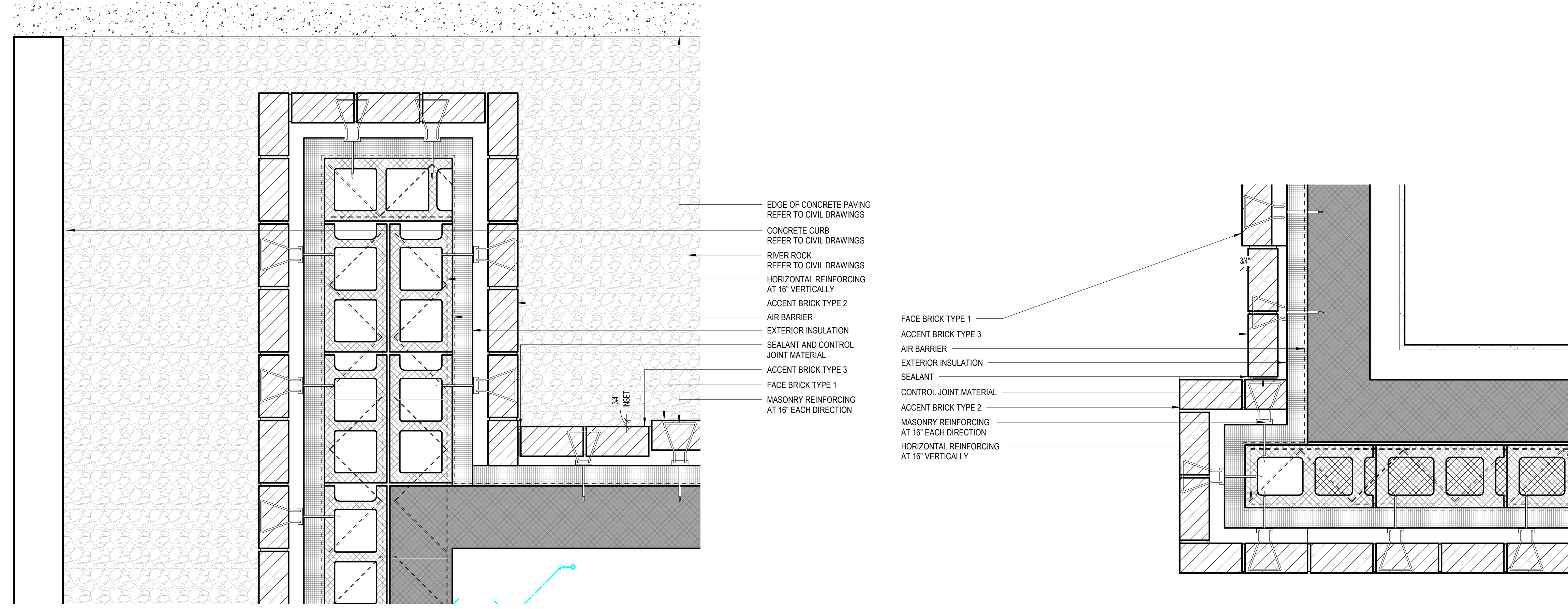
6 ROOF EDGE DETAIL PARALLEL TO JOIST
A5-01 1 1/2" = 1'-0"

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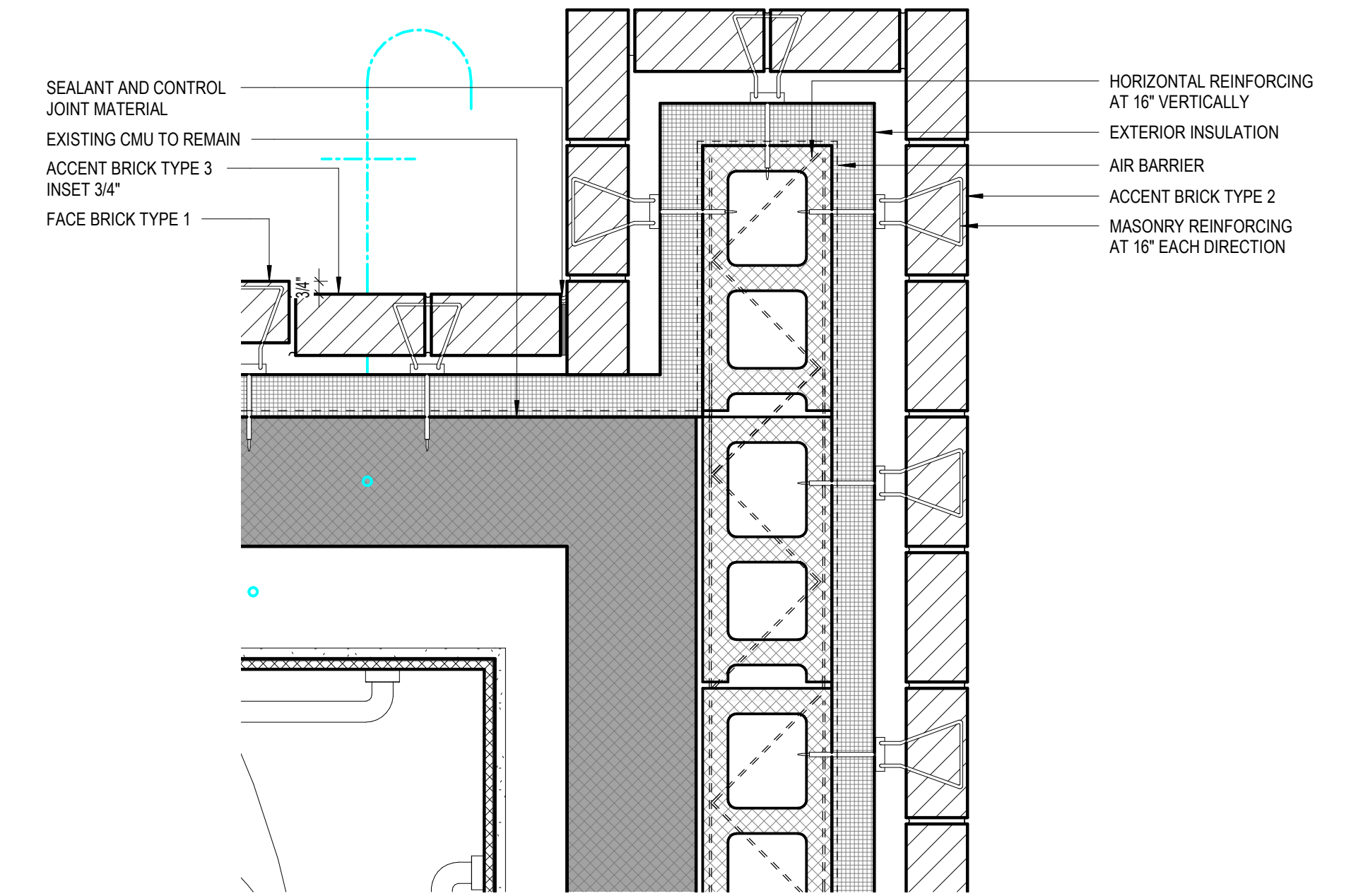
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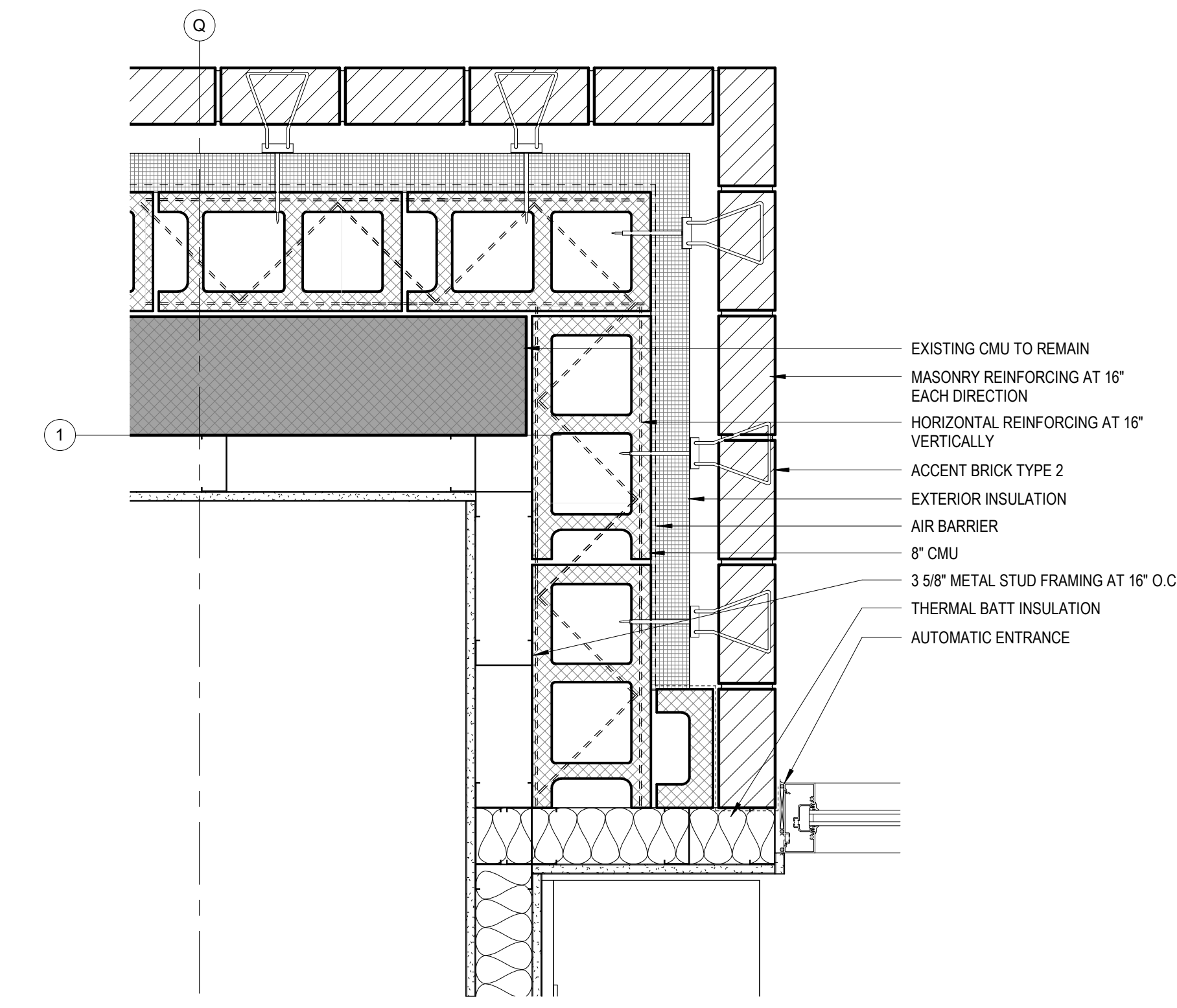


9 PLAN DETAIL
A5-02 1 1/2" = 1'-0"

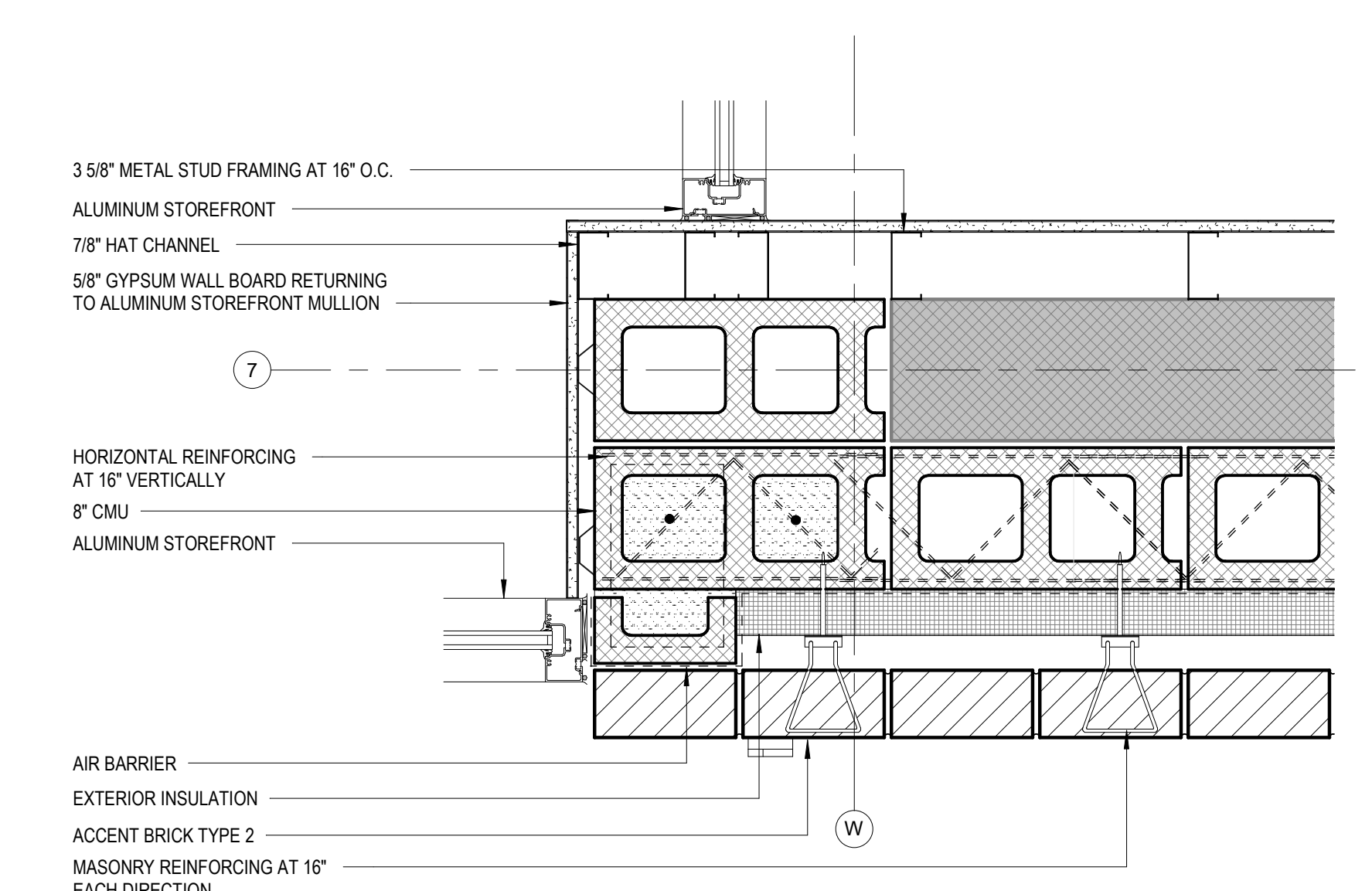
8 PLAN DETAIL
A5-02 1 1/2" = 1'-0"



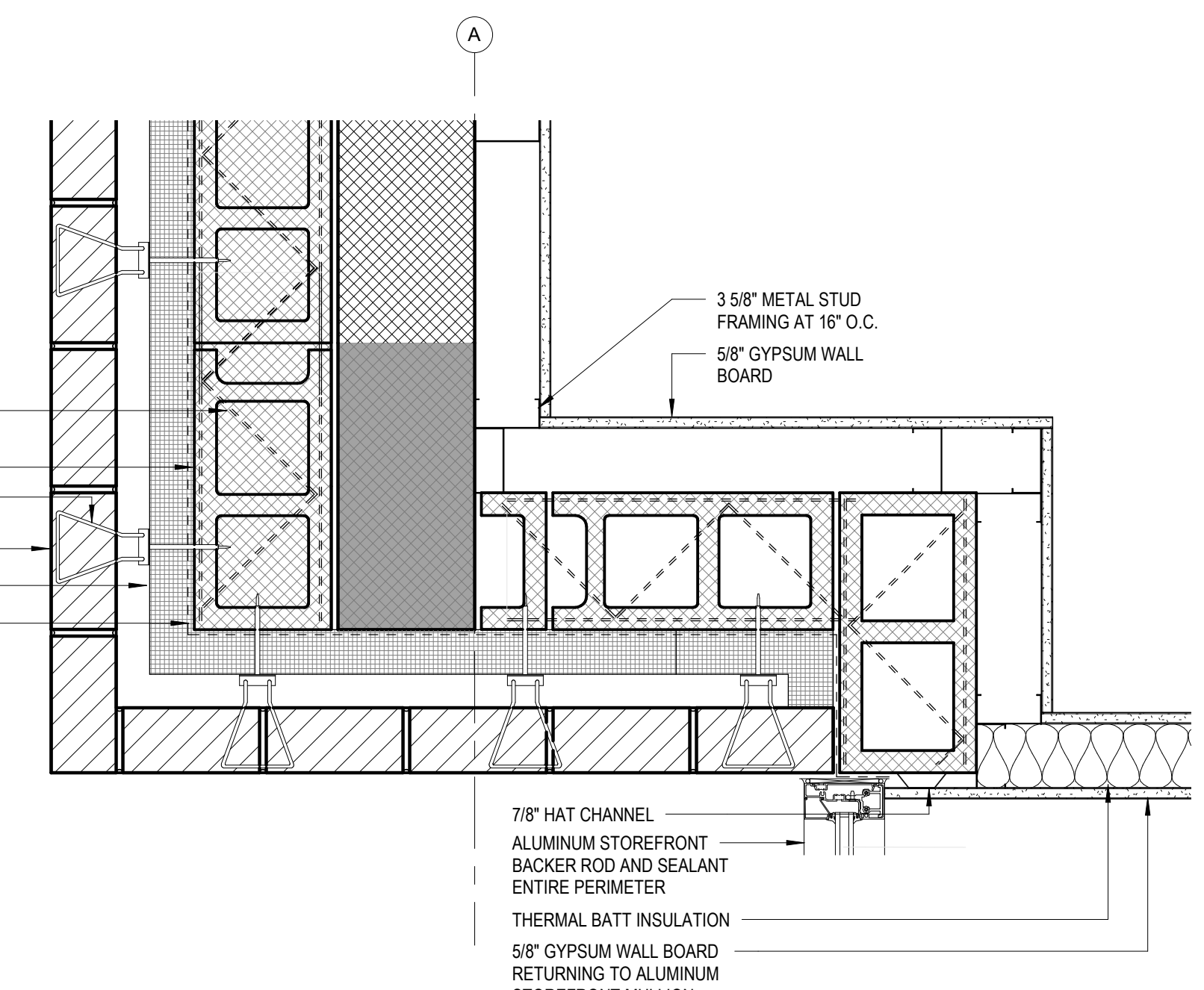
7 PLAN DETAIL
A5-02 1 1/2" = 1'-0"



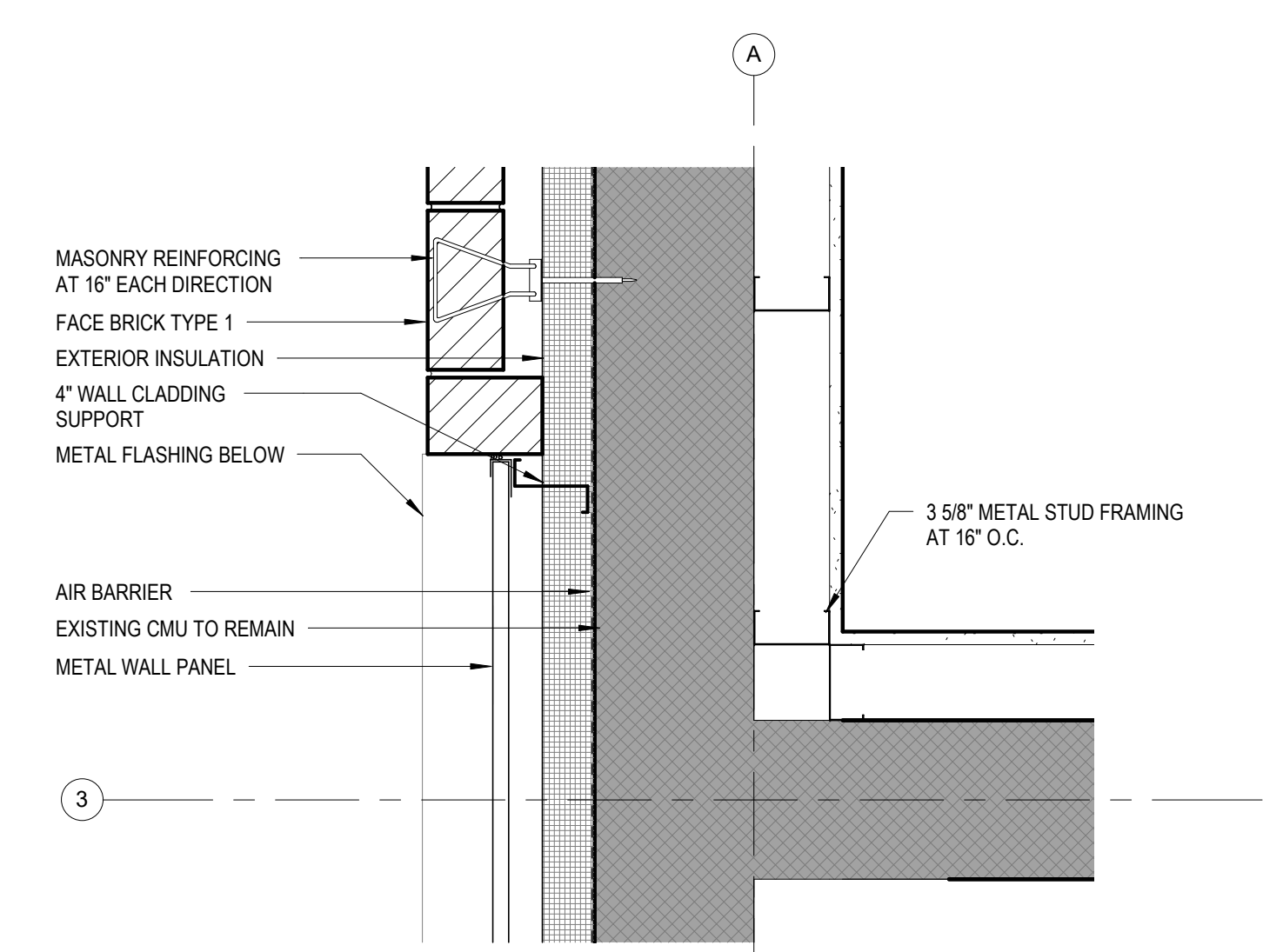
6 PLAN DETAIL
A5-02 1 1/2" = 1'-0"



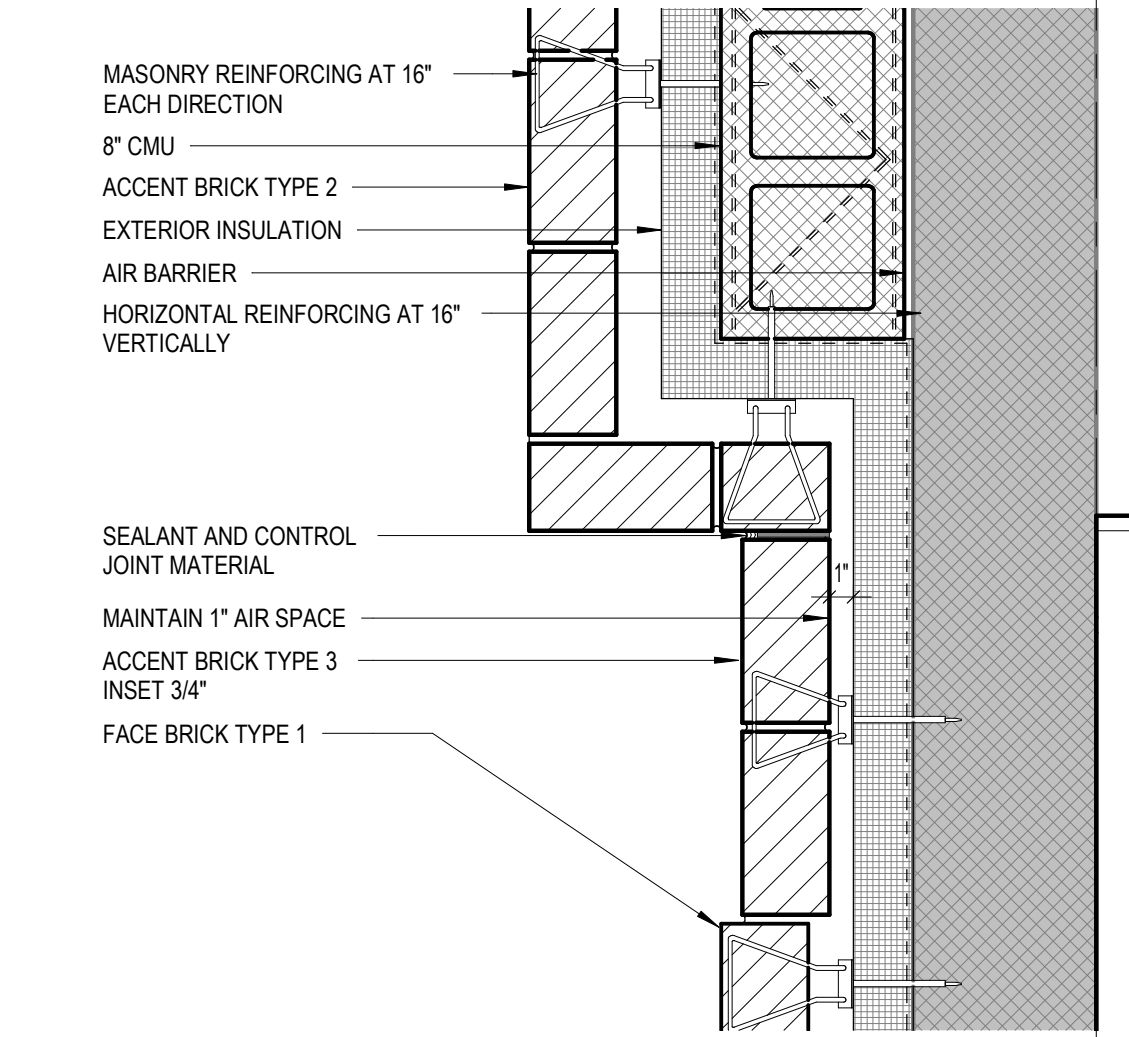
5 PLAN DETAIL
A5-02 1 1/2" = 1'-0"



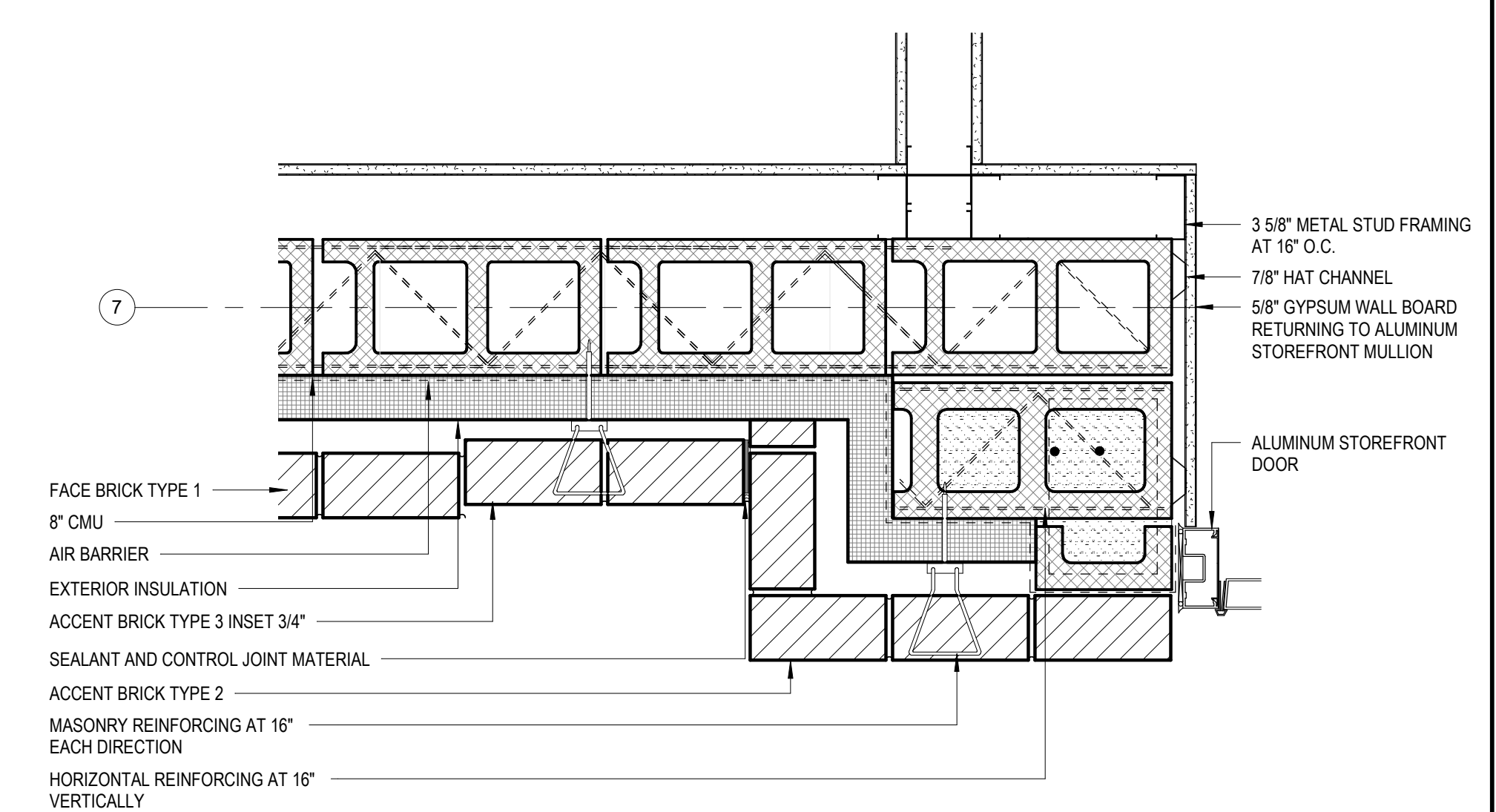
1 PLAN DETAIL
A5-02 1 1/2" = 1'-0"



2 PLAN DETAIL
A5-02 1 1/2" = 1'-0"



3 PLAN DETAIL
A5-02 1 1/2" = 1'-0"

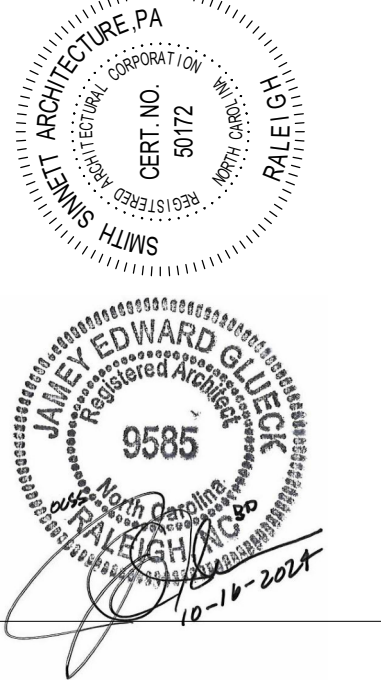


4 PLAN DETAIL
A5-02 1 1/2" = 1'-0"

Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION

DRAWN BY: FANB
CHECKED BY: JEG
PLAN DETAILS

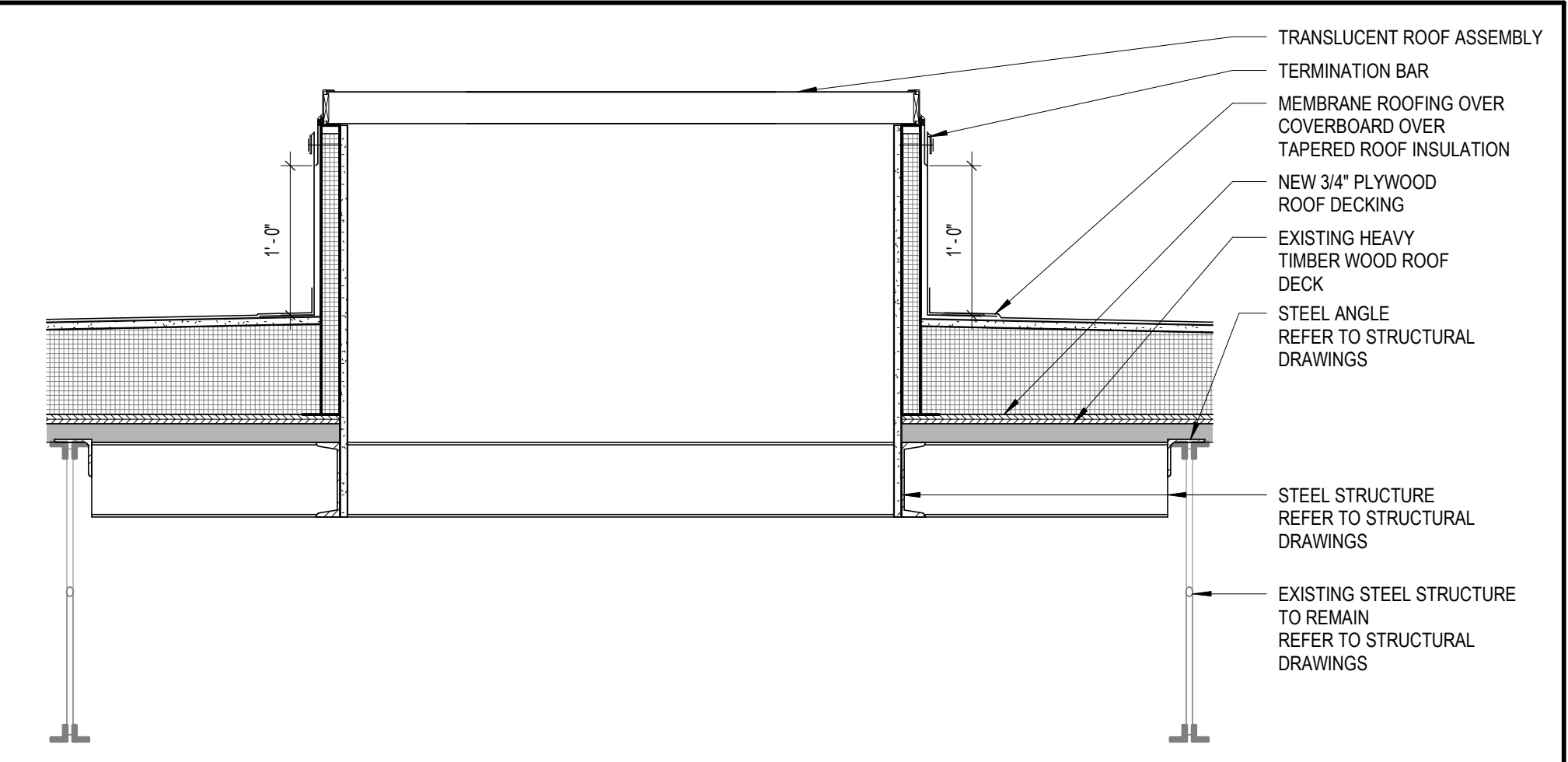


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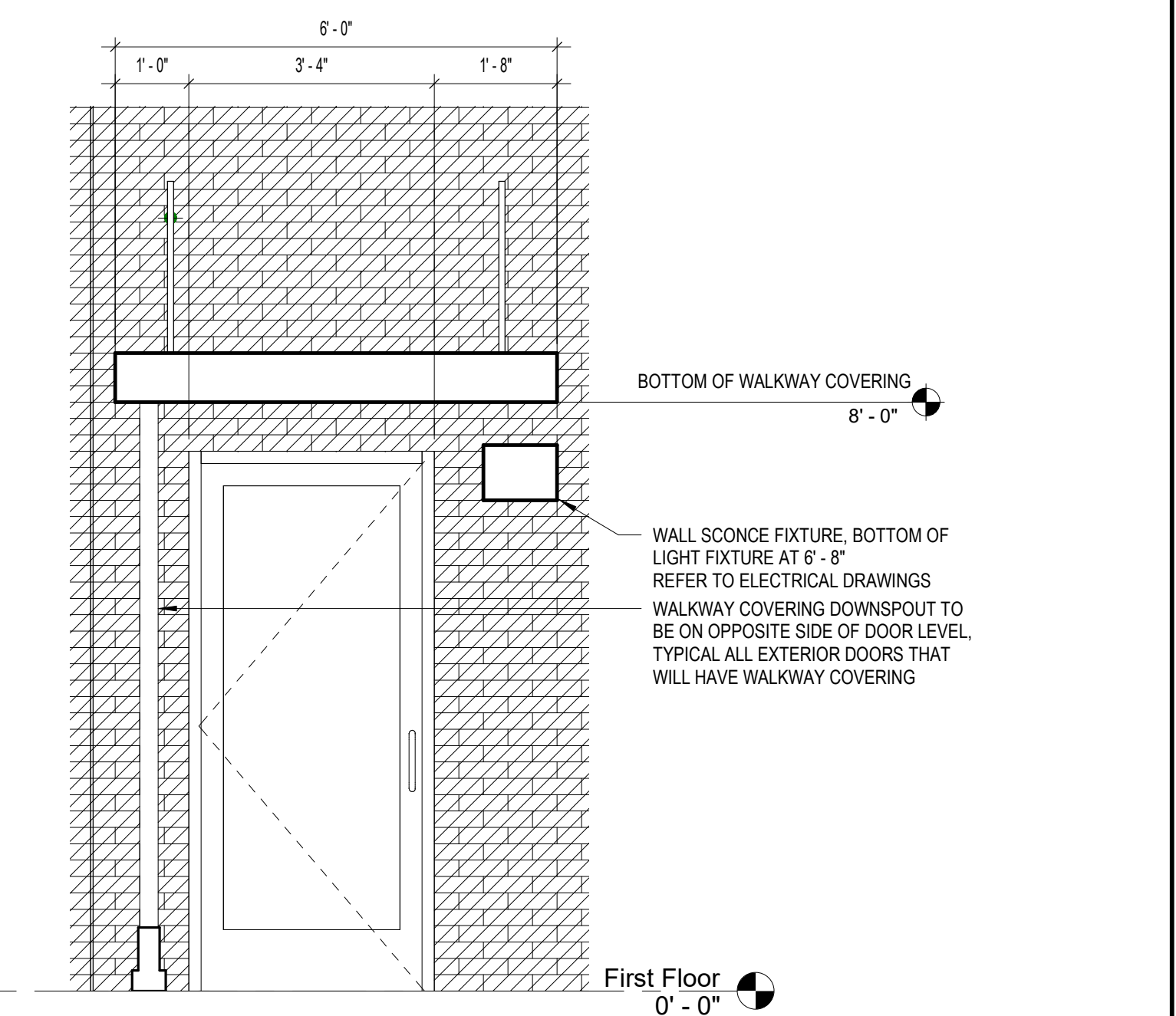
THIS DRAWING IS CONSIDERED TO BE PRINTED ON A 32" X 42" SHEET

Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

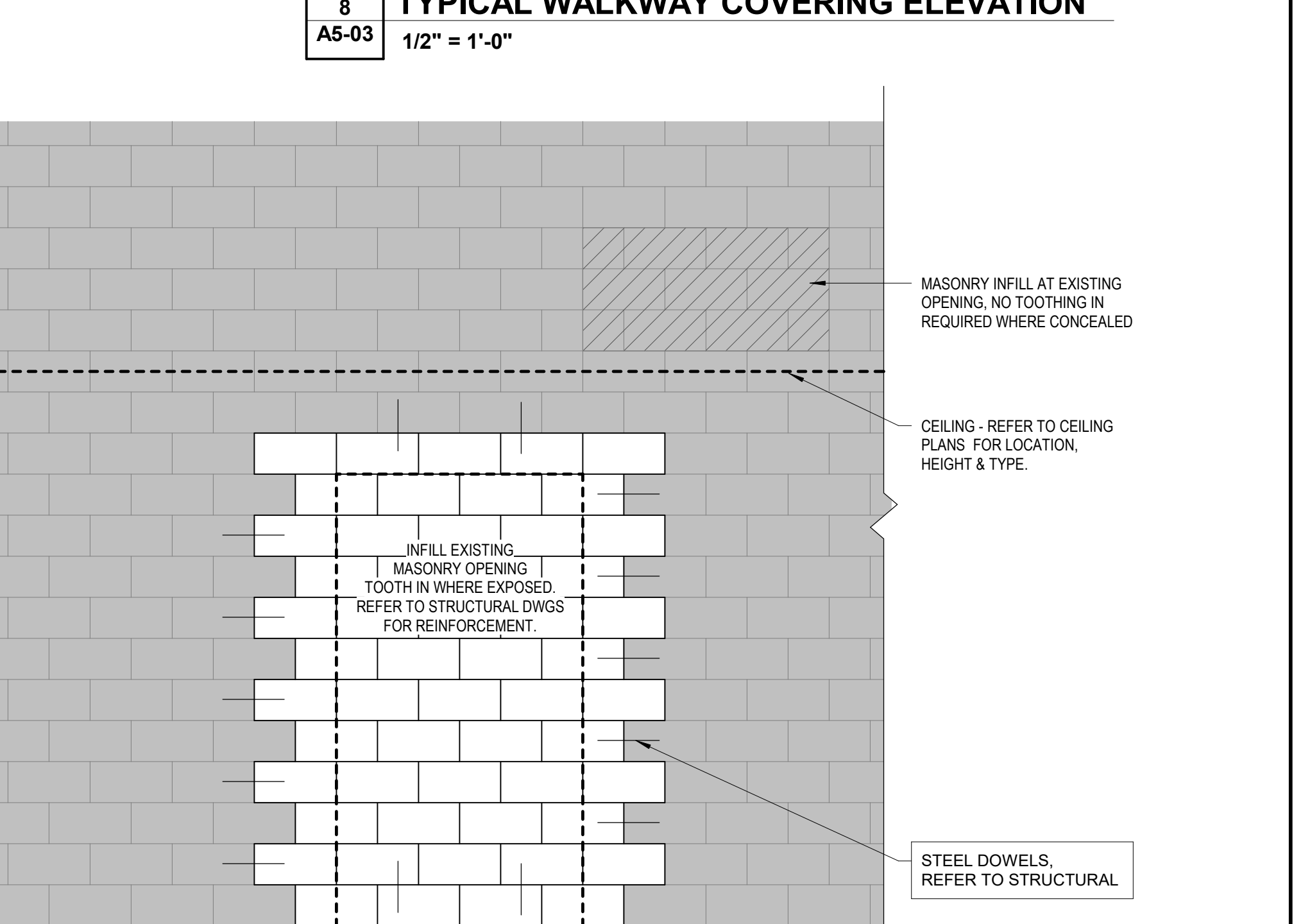
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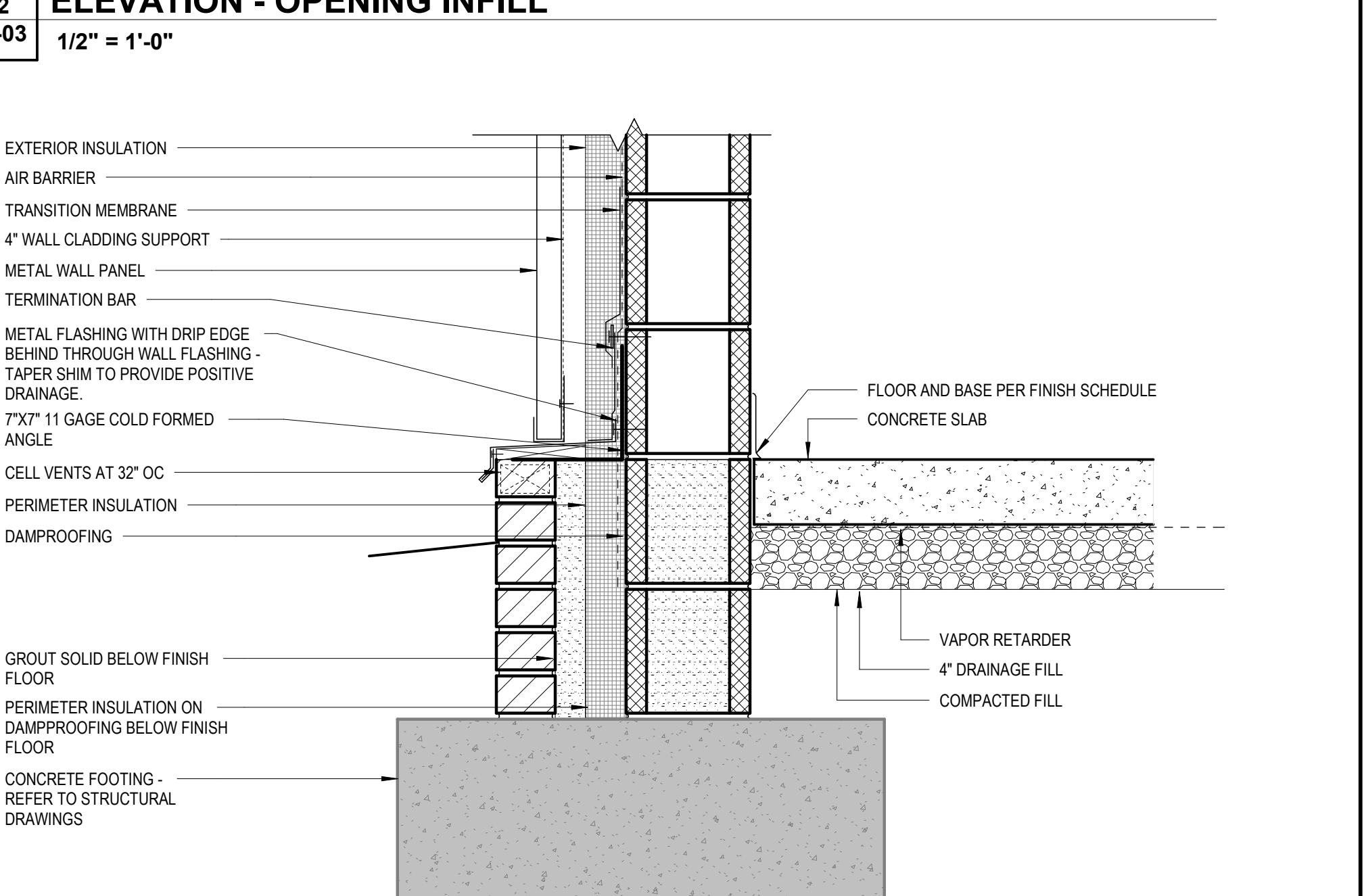
11 TRANSLUCENT ROOF ASSEMBLY SECTION DETAIL
1 1/2" = 1'-0"



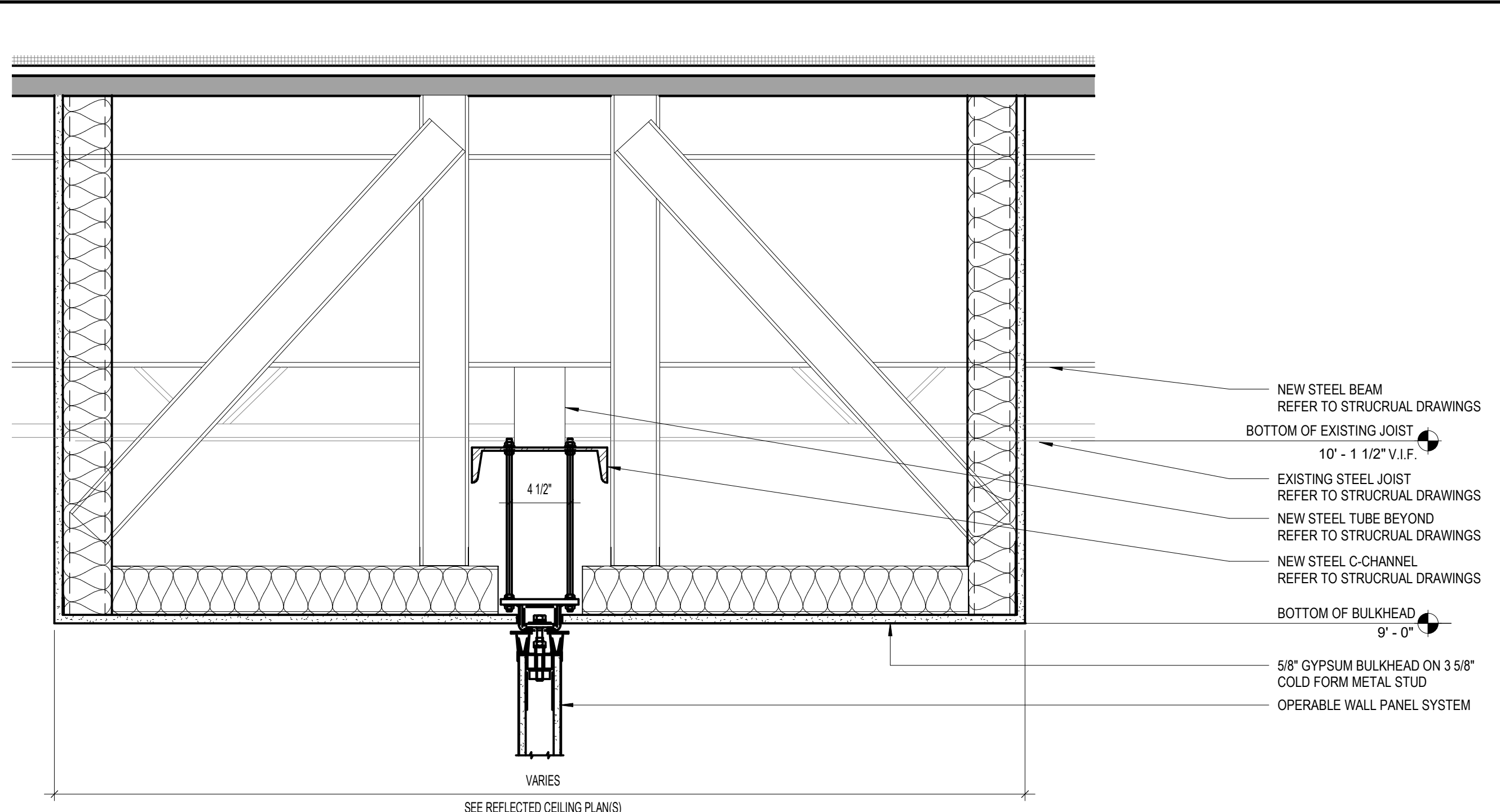
8 TYPICAL WALKWAY COVERING ELEVATION
1/2" = 1'-0"



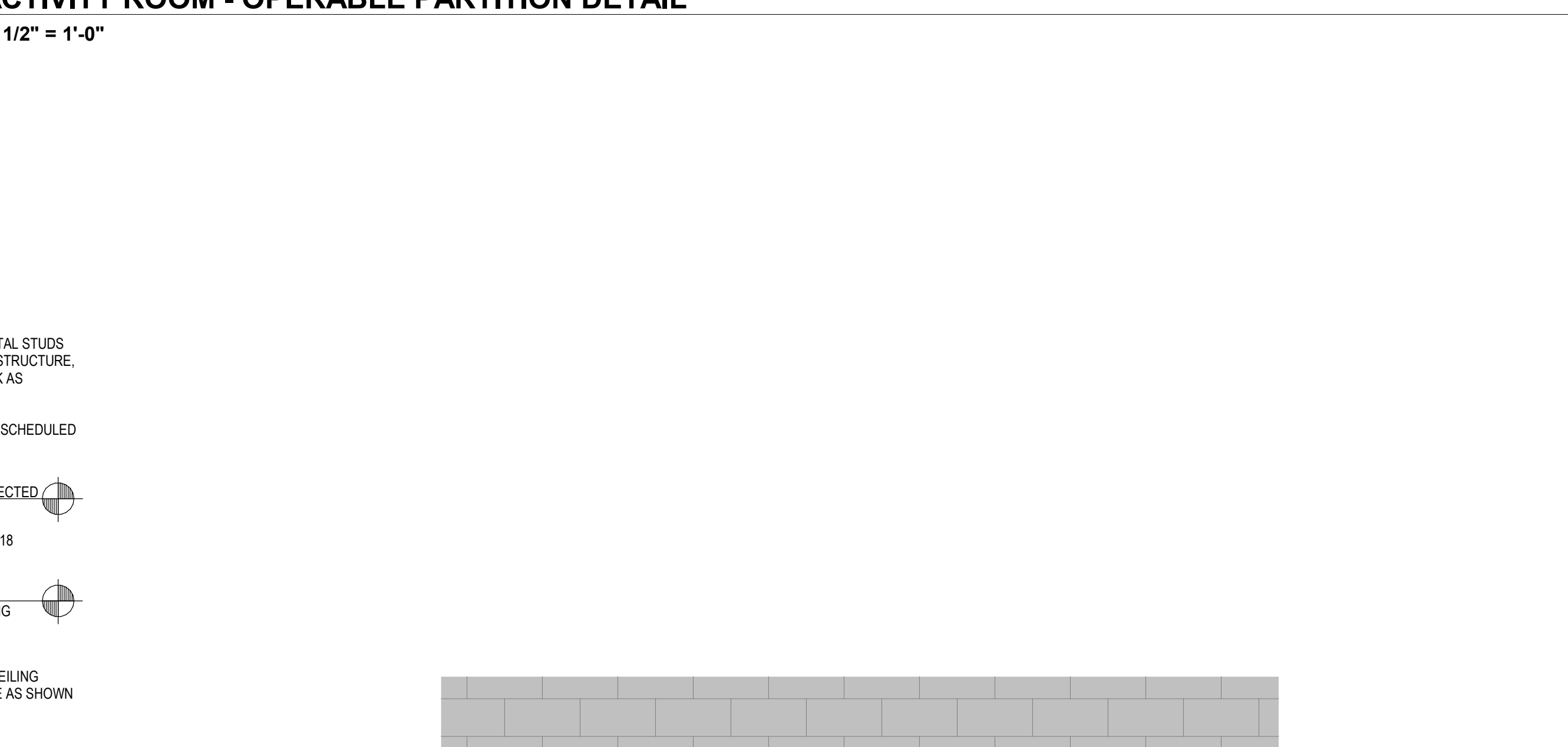
12 ELEVATION - OPENING INFILL
1/2" = 1'-0"



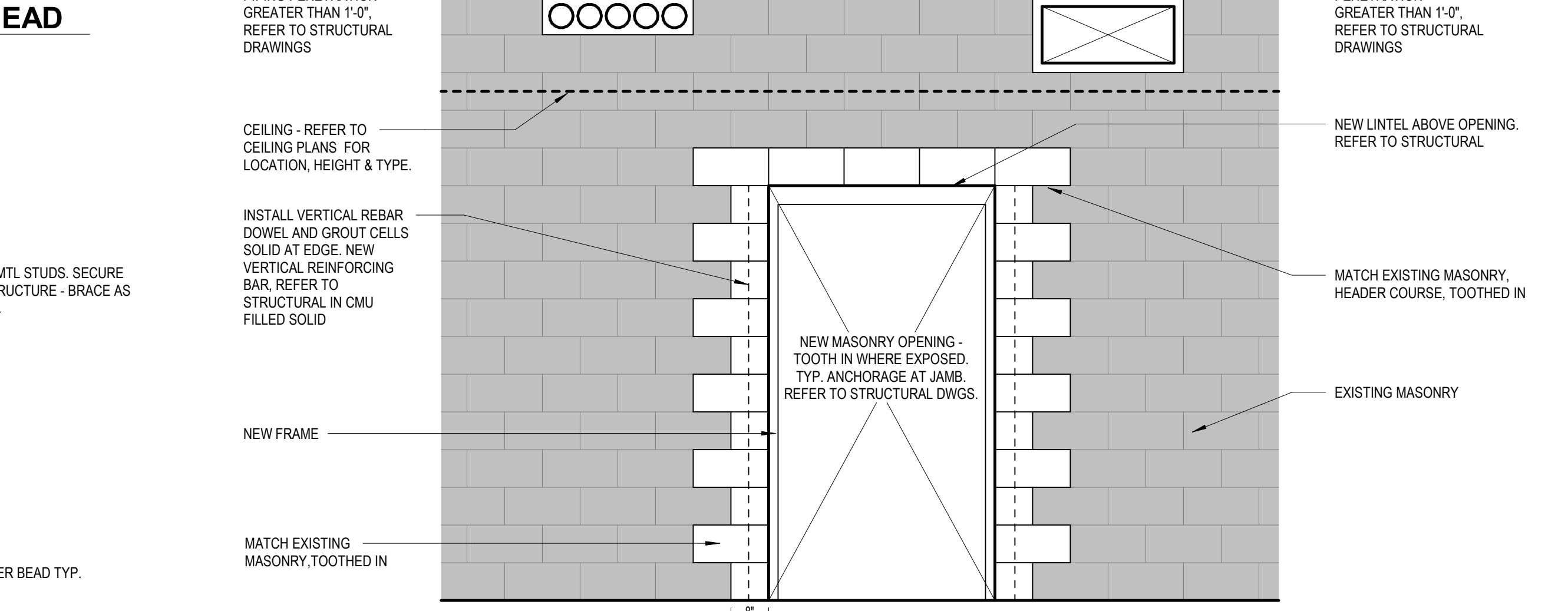
9 MTL PANEL TO BRICK TRANSITION
1 1/2" = 1'-0"



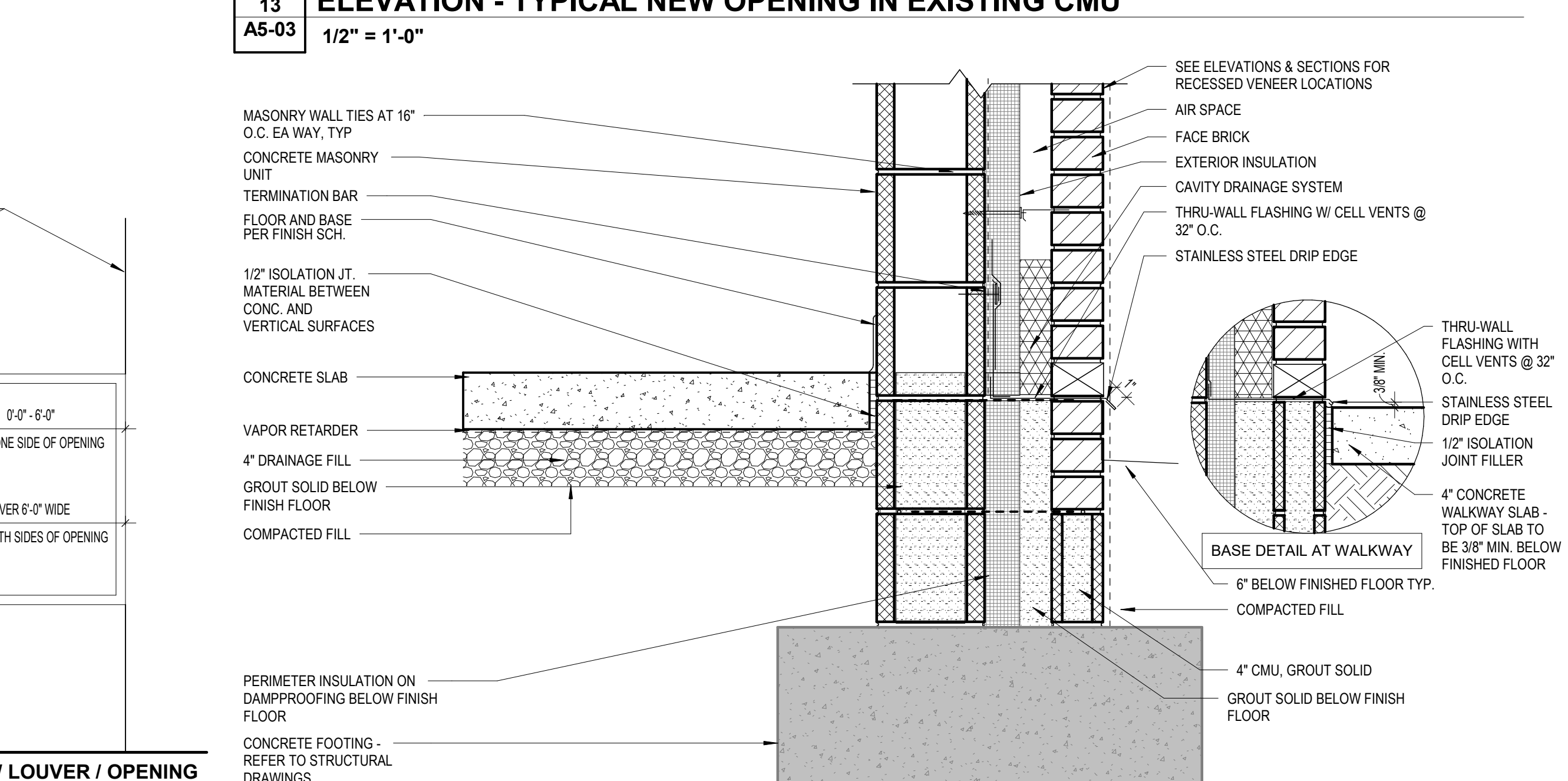
15 ACTIVITY ROOM - OPERABLE PARTITION DETAIL
1 1/2" = 1'-0"



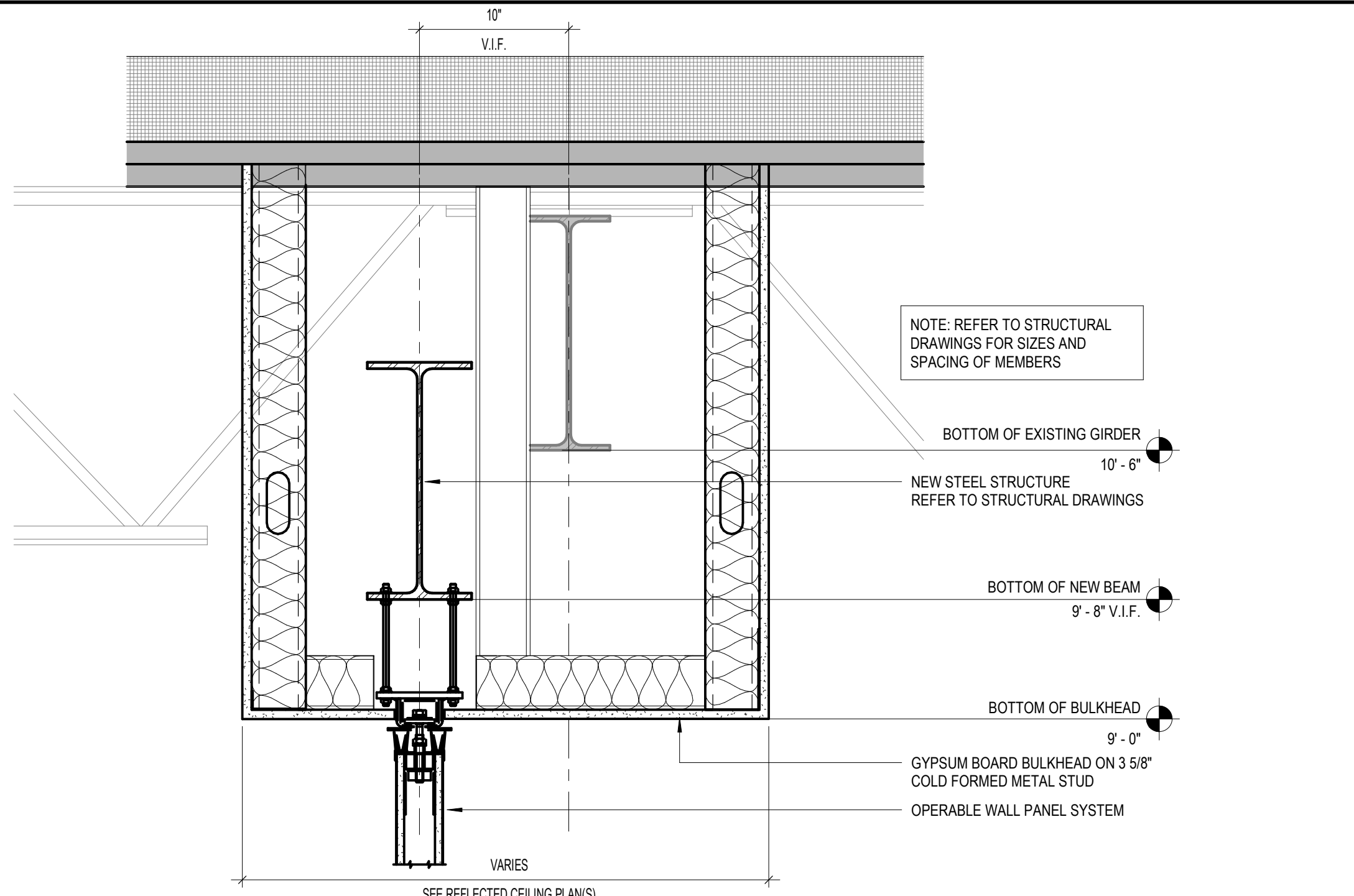
3 TYP GYP CONTINUOUS BULKHEAD
1 1/2" = 1'-0"



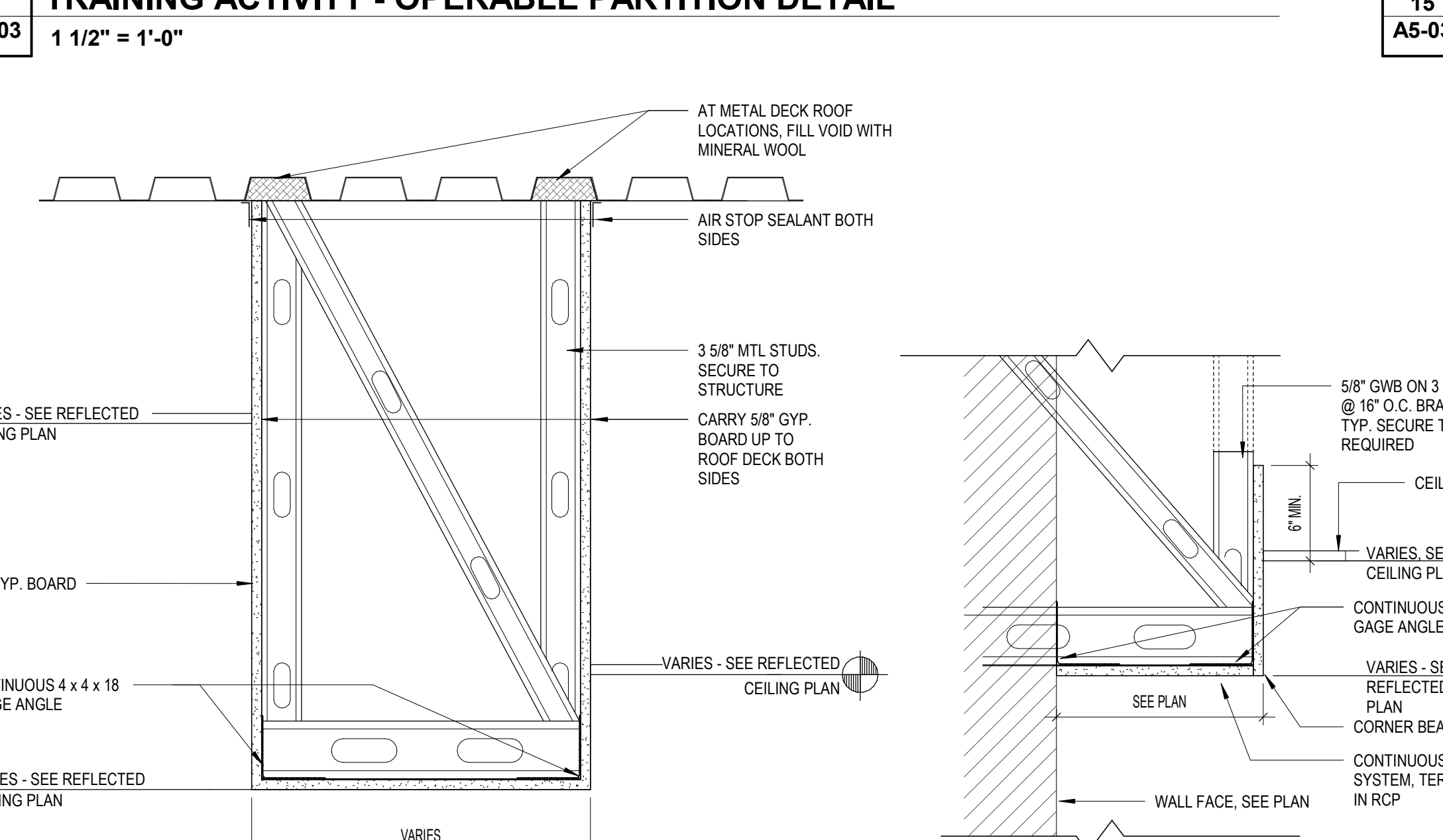
13 ELEVATION - TYPICAL NEW OPENING IN EXISTING CMU
1 1/2" = 1'-0"



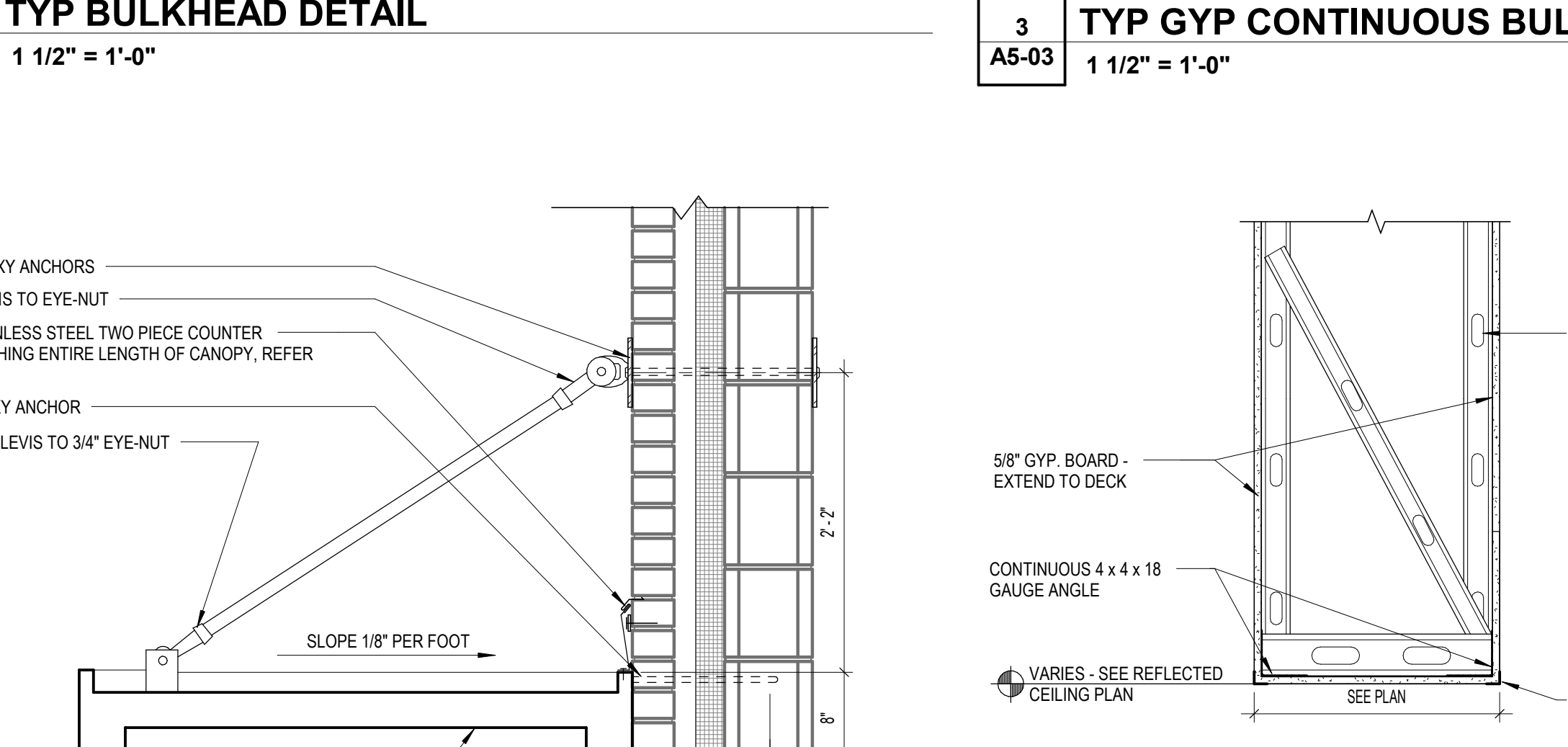
10 TYPICAL BASE DETAIL
1 1/2" = 1'-0"



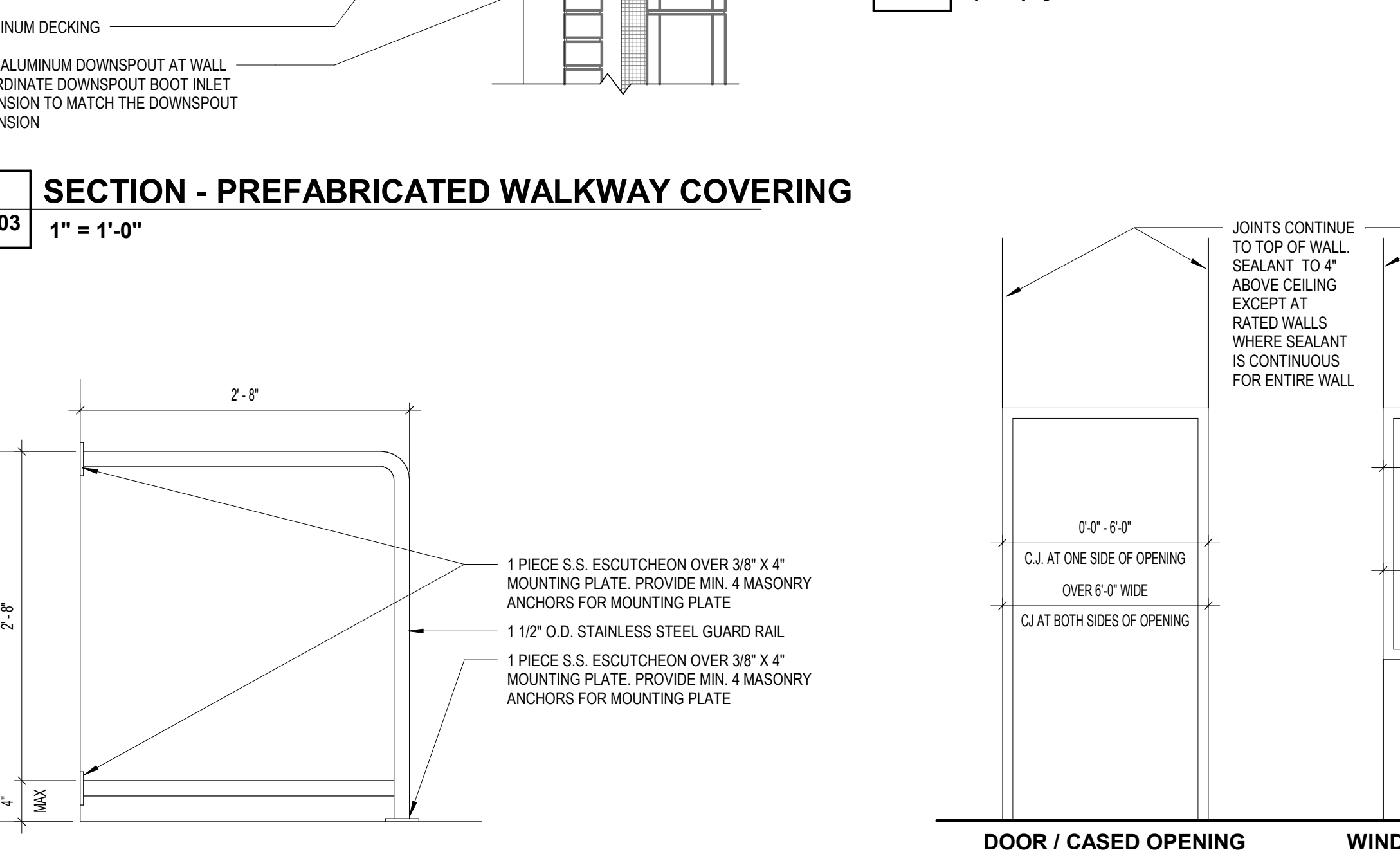
7 TRAINING ACTIVITY - OPERABLE PARTITION DETAIL
1 1/2" = 1'-0"



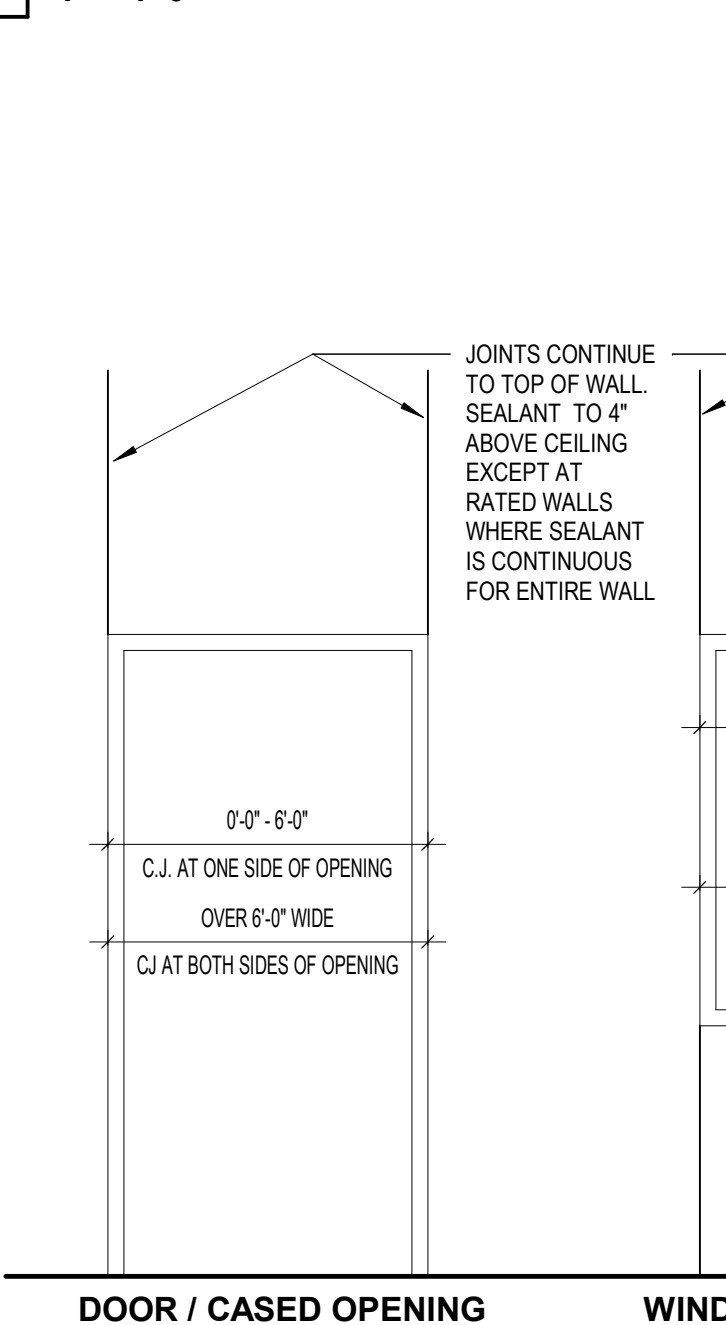
2 TYP BULKHEAD DETAIL
1 1/2" = 1'-0"



4 TYP BULKHEAD DETAIL - EXP. CLNG. AREA
1" = 1'-0"



14 GUARD RAIL ELEVATION
1" = 1'-0"



1 GYPSUM WALL CONTROL JOINTS
1/2" = 1'-0"

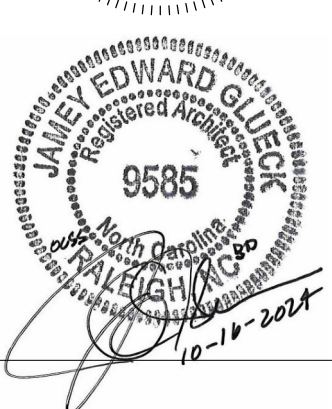
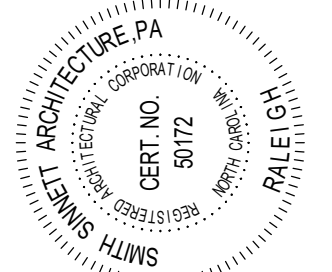
C:\Users\jgibson\Documents\2024\02\028 OC Senior Services - Facade\SEK\14 10/23/2024 12:26 PM

DRAWN BY: Author
CHECKED BY: JEG

TYPICAL DETAILS

2021029 16 OCT. 2024

A5-03

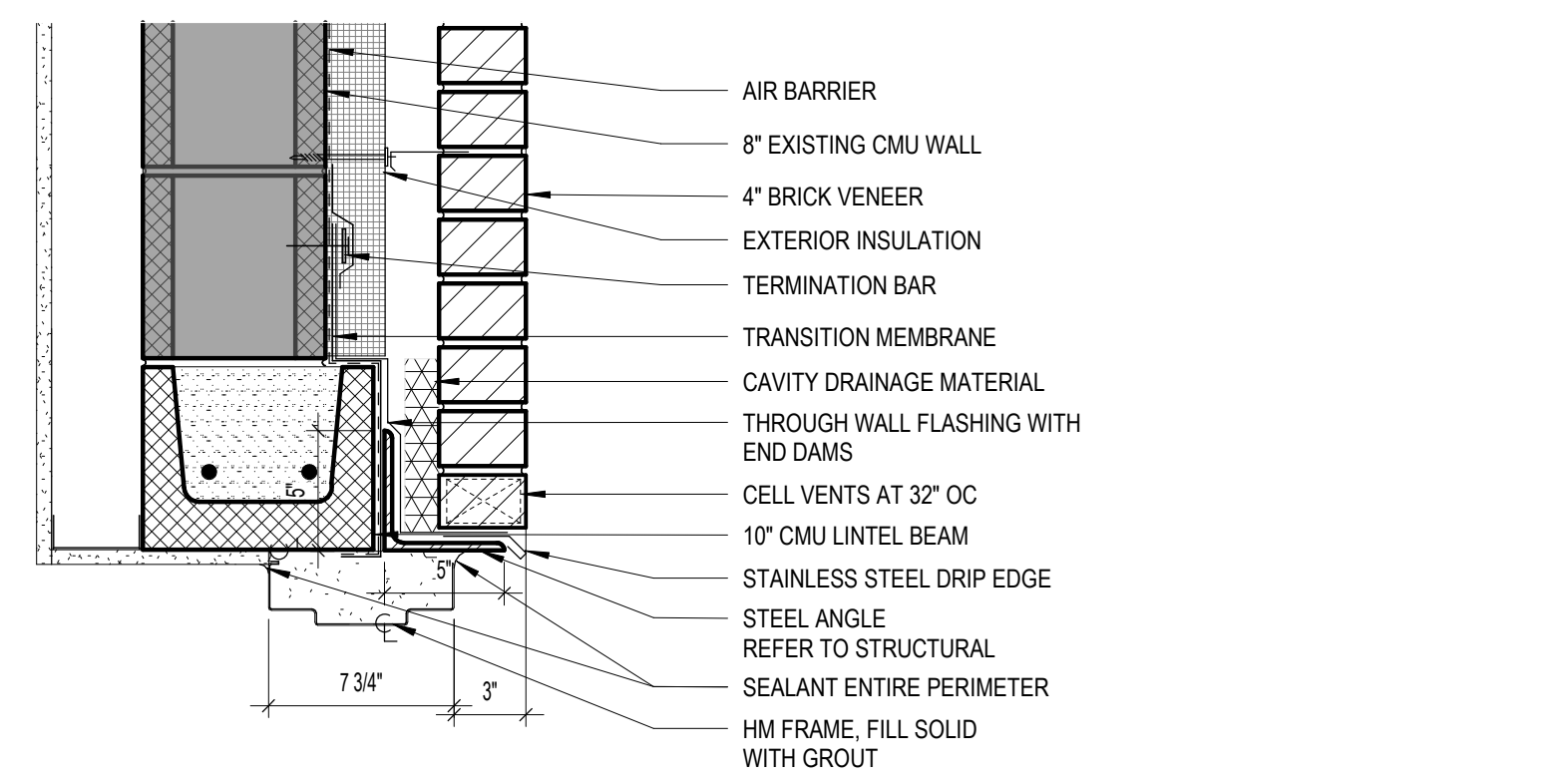


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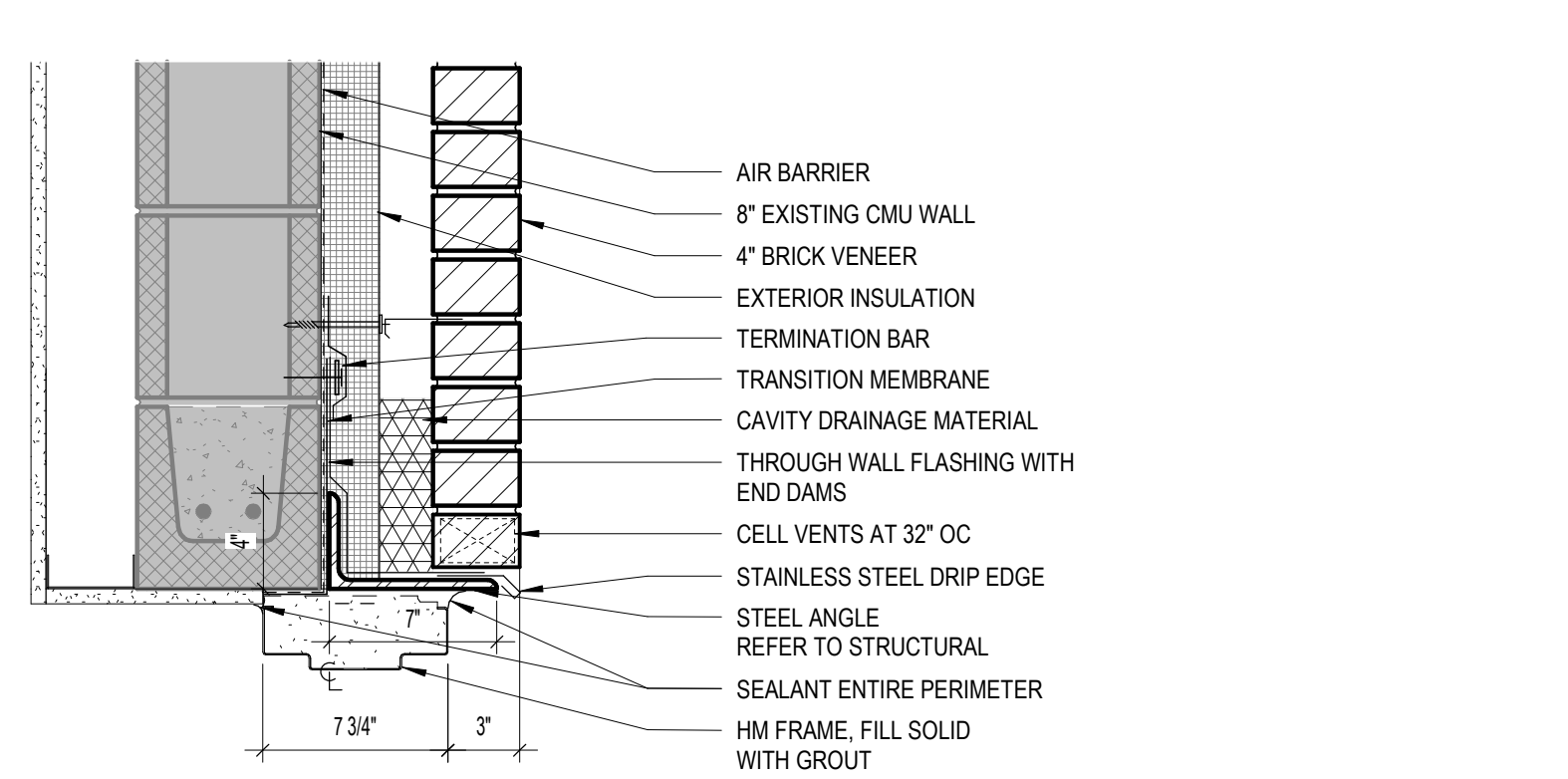
BID DOCUMENTS

Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

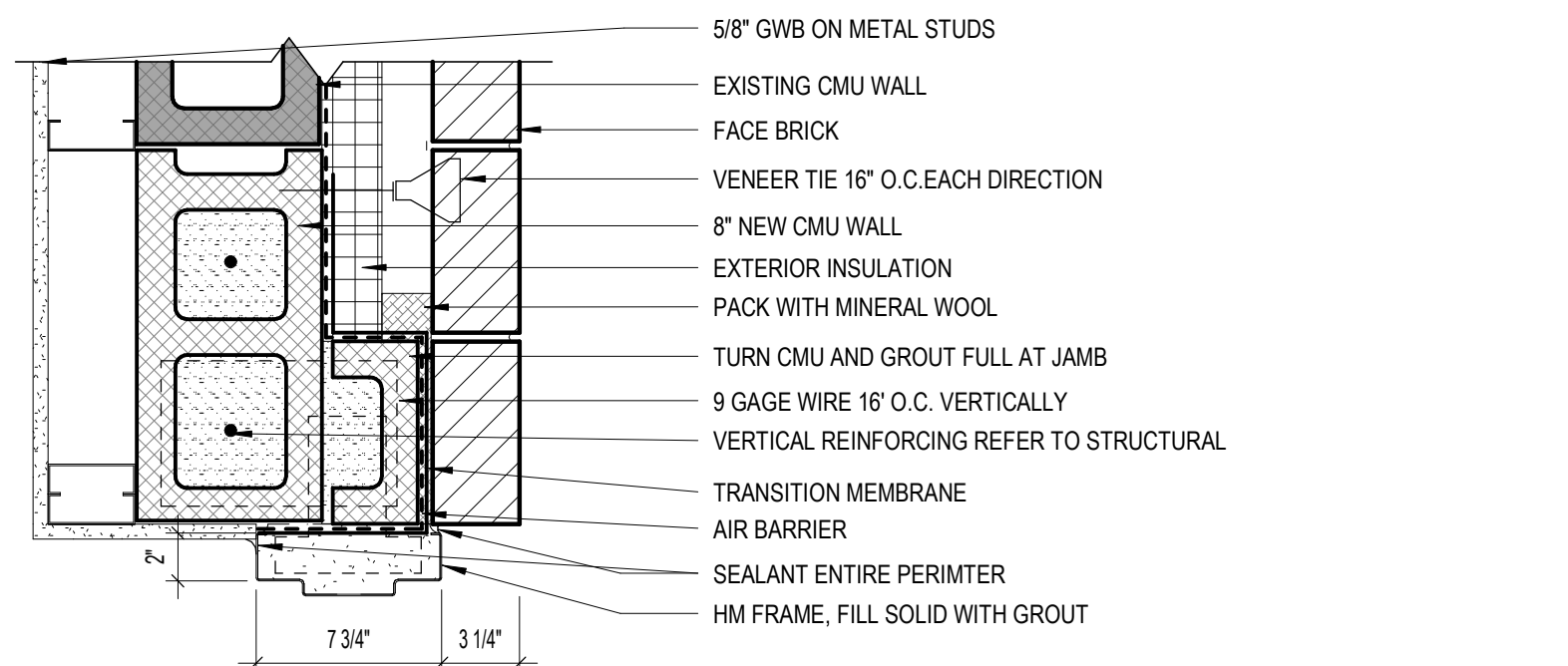
ID DATE DESCRIPTION



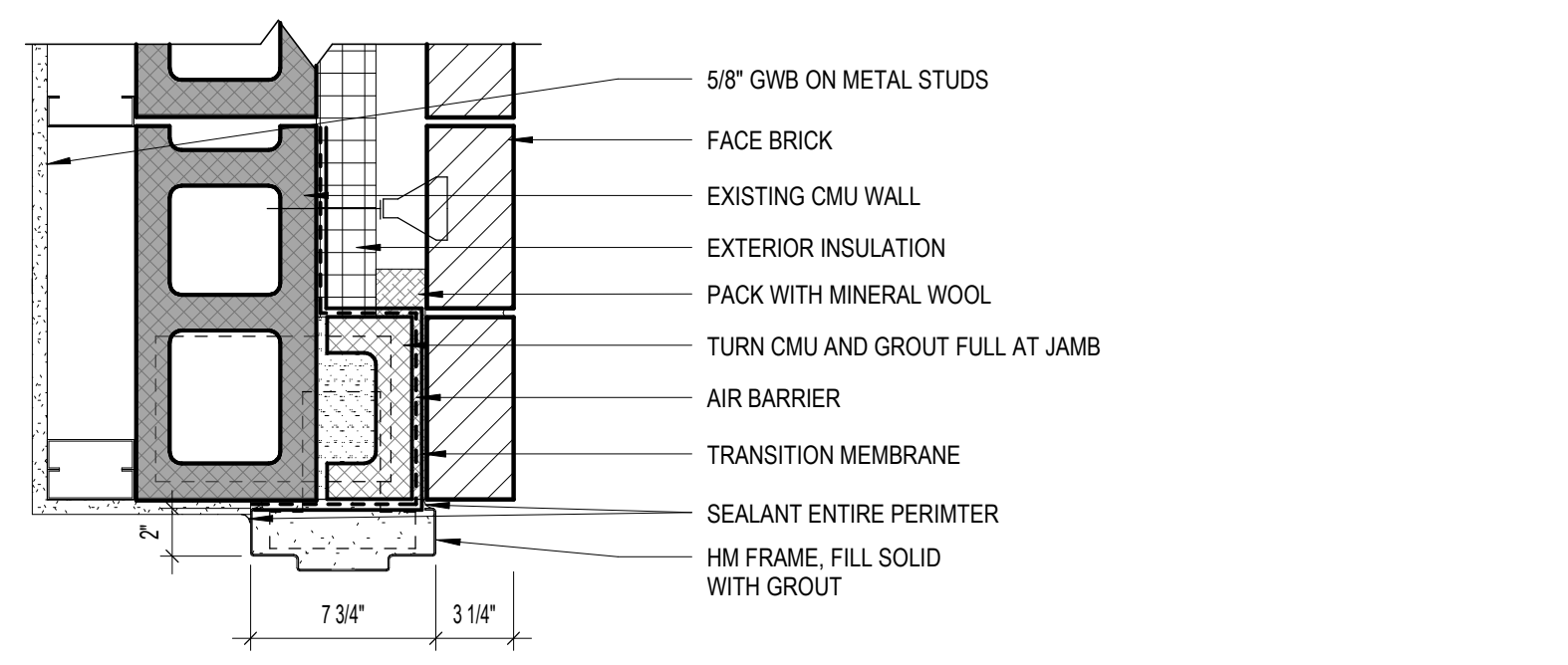
10 H4 - HM HEAD AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



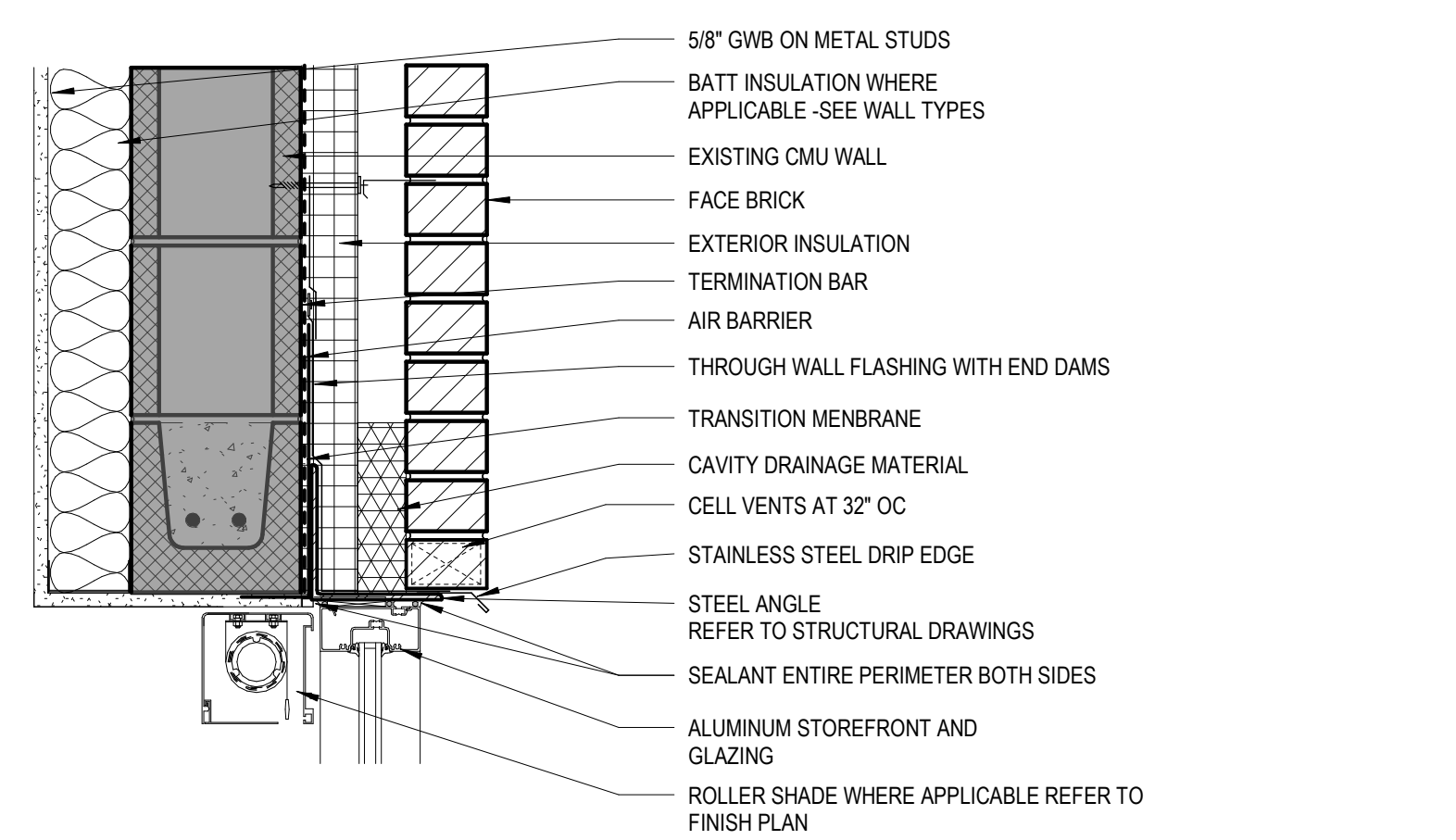
13 H5 - HM HEAD AT EXTERIOR MASONRY (EXISTING OPENING)
A6-03 1 1/2" = 1'-0"



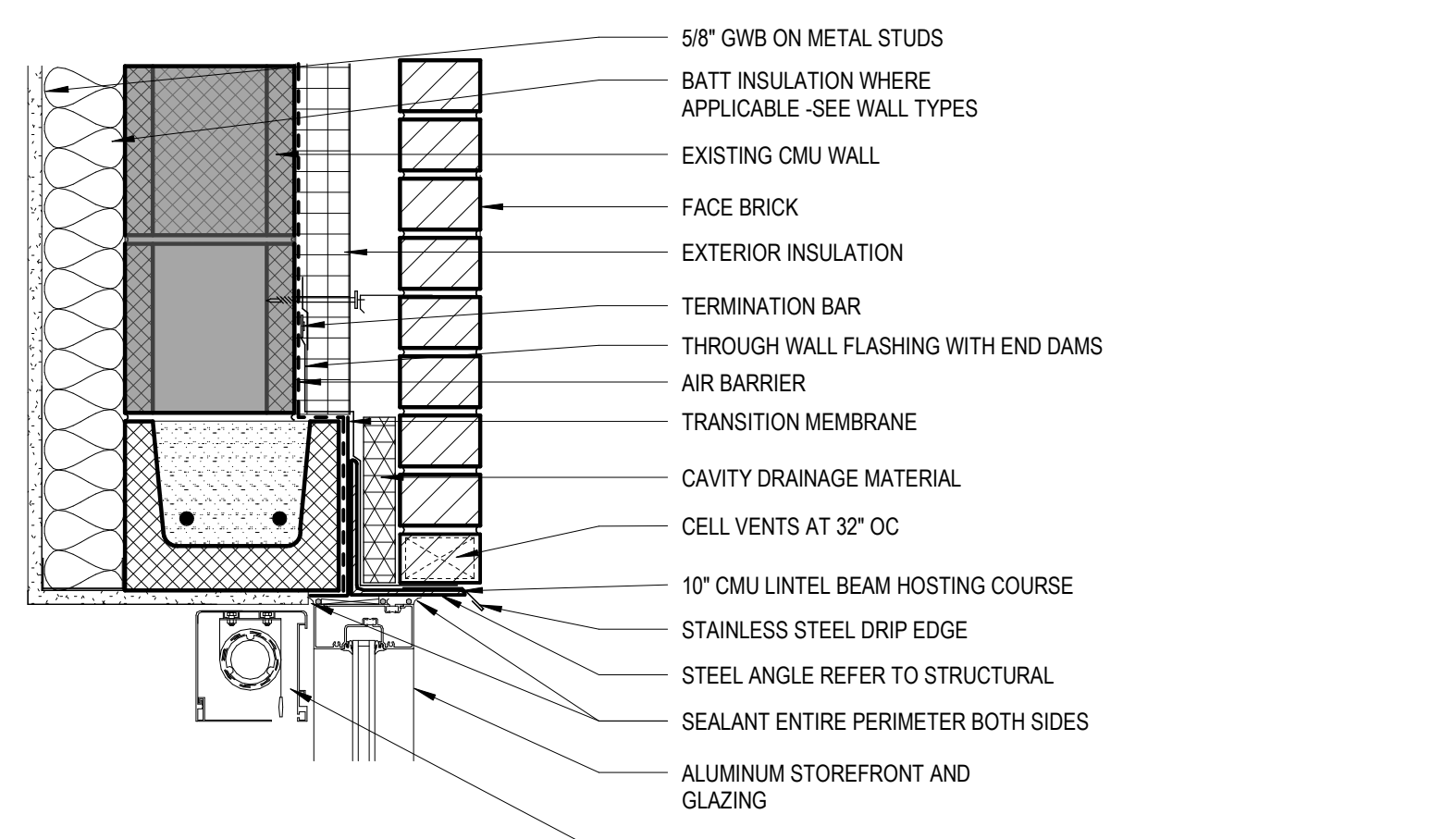
12 J4 - HM JAMB AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



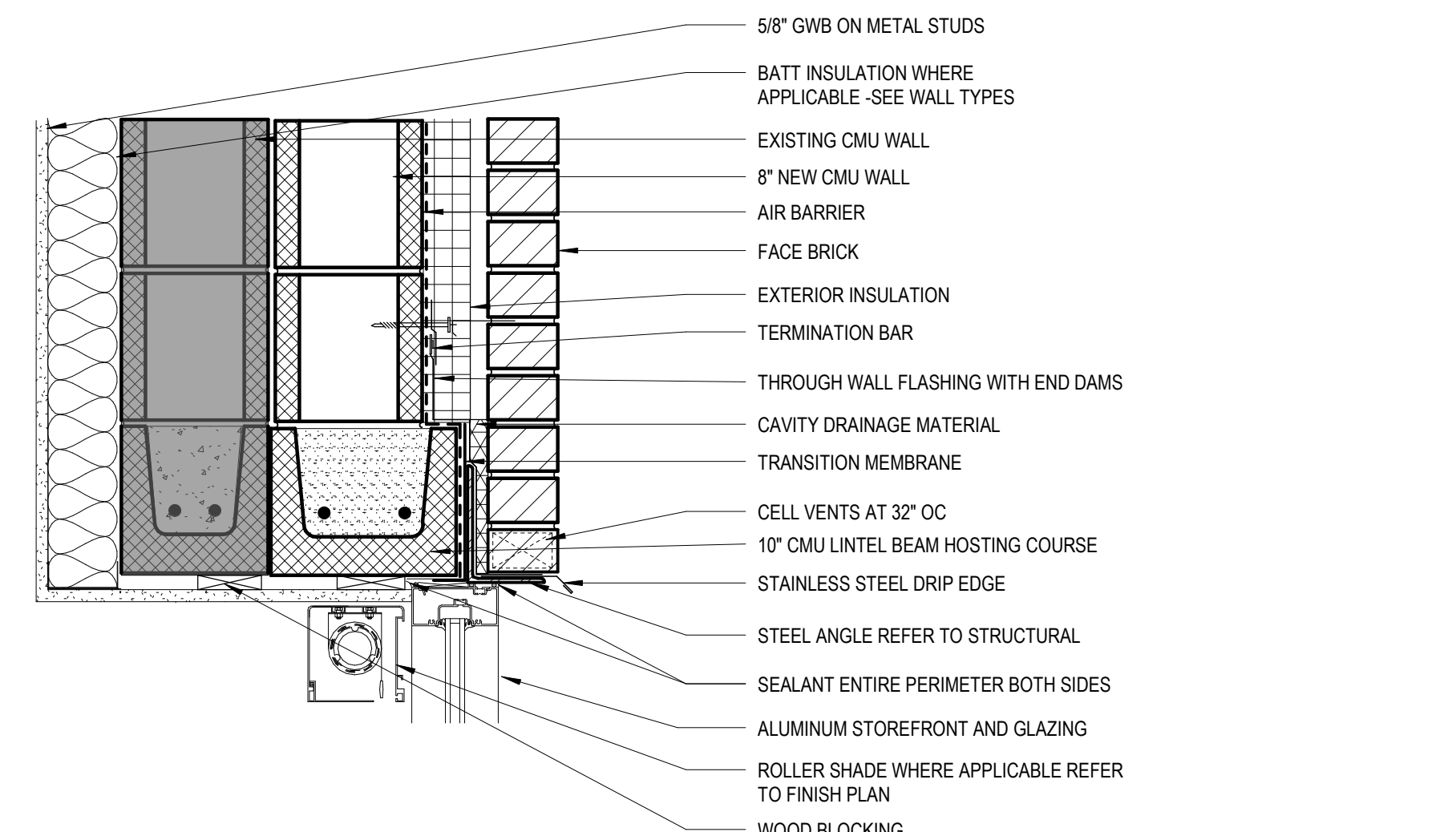
11 J5 - HM JAMB AT EXTERIOR MASONRY (EXISTING OPENING)
A6-03 1 1/2" = 1'-0"



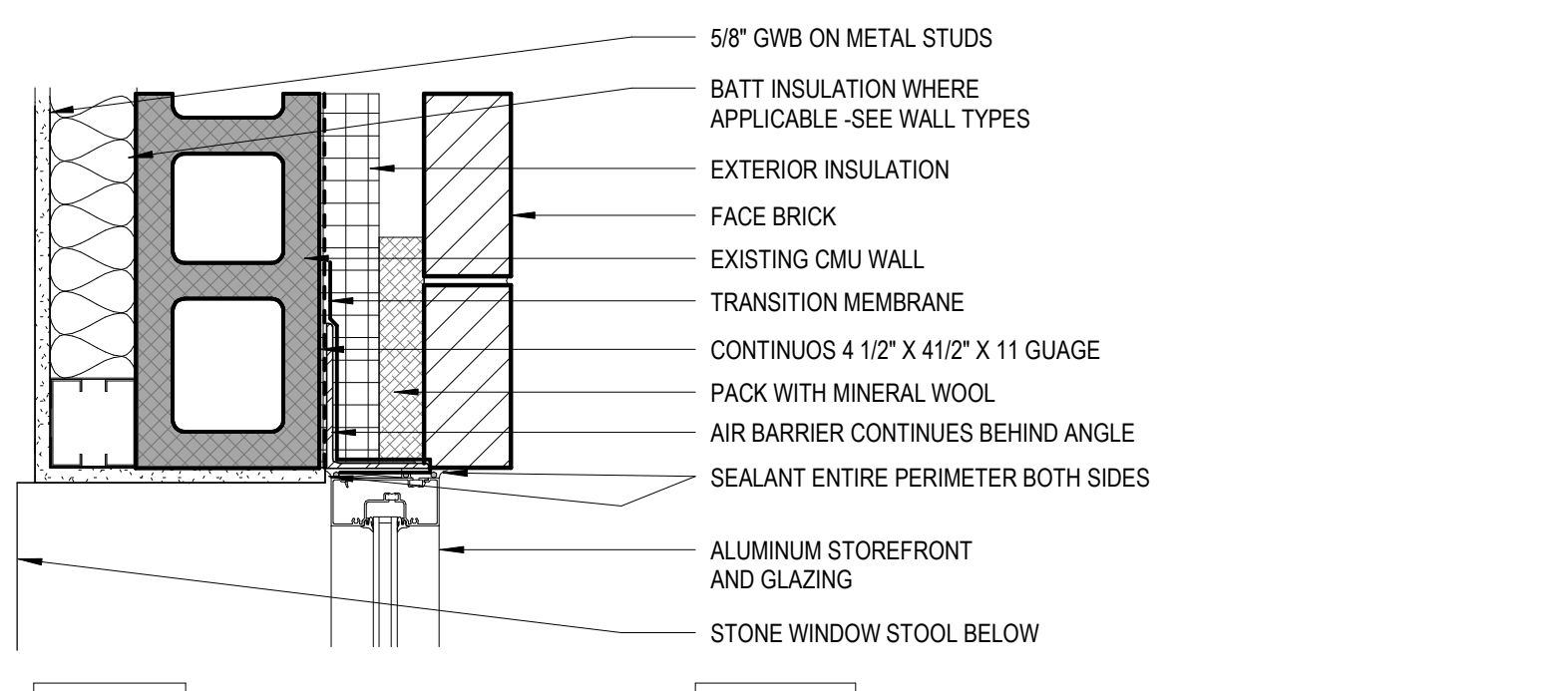
7 H6 - STOREFRONT HEAD AT EXTERIOR MASONRY (EXISTING OPENING)
A6-03 1 1/2" = 1'-0"



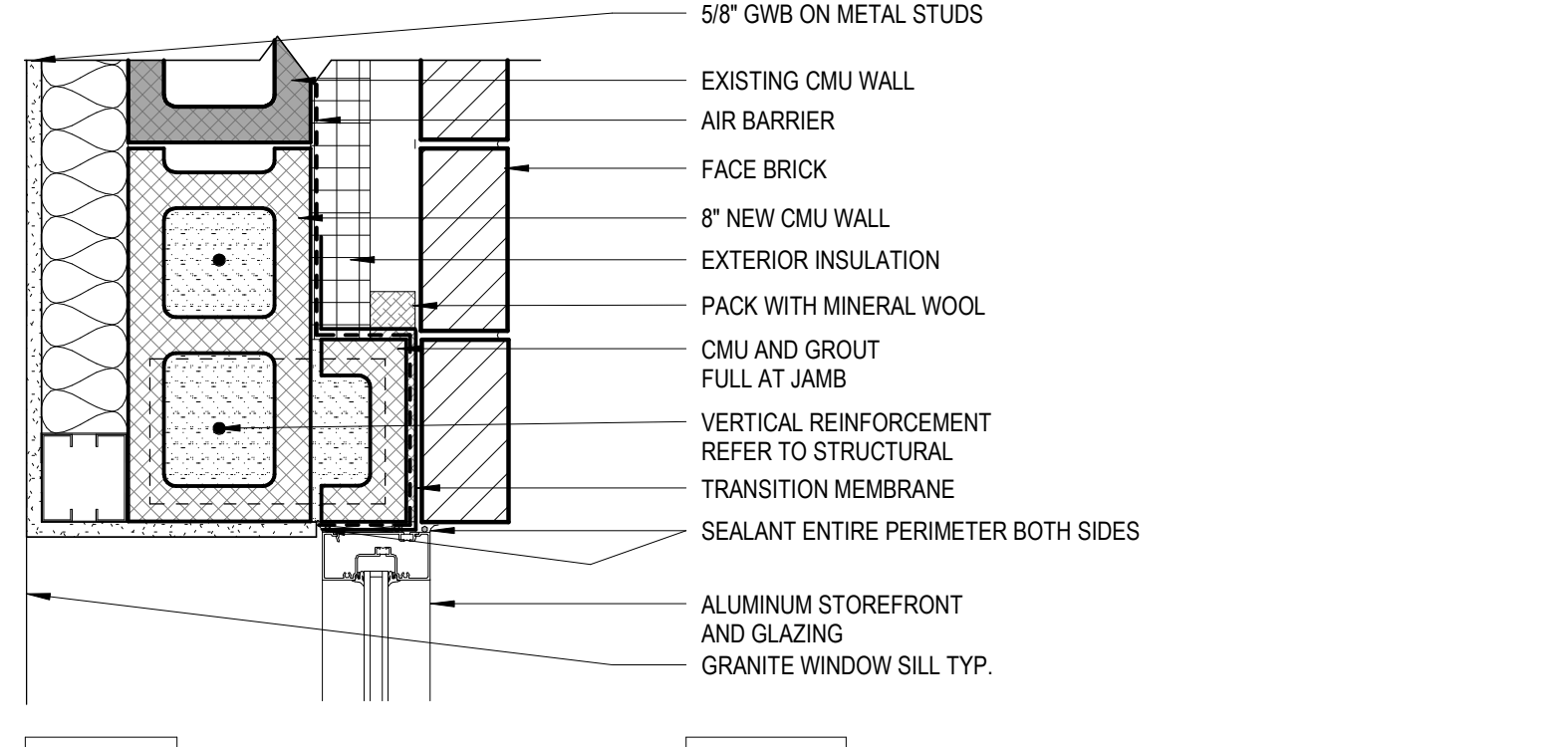
8 H7 - STOREFRONT HEAD AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



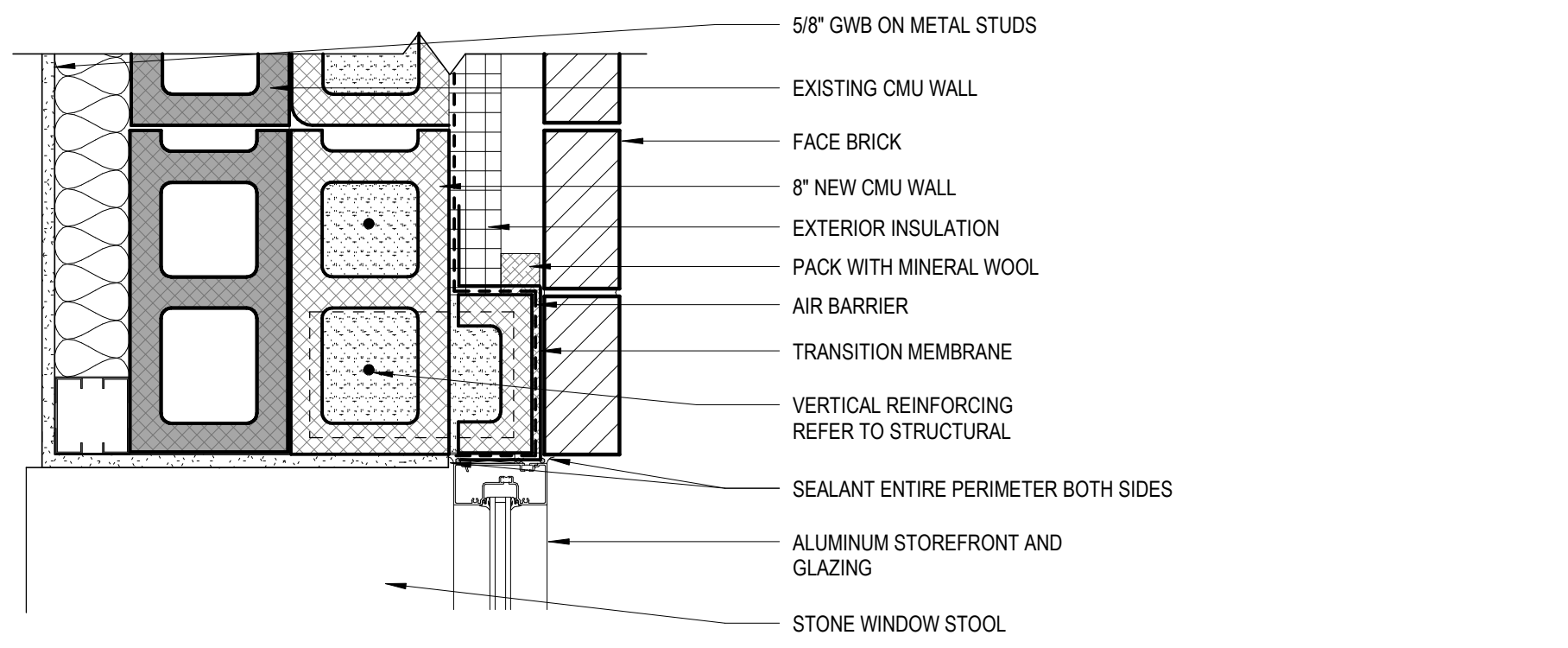
9 H8 - STOREFRONT HEAD AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



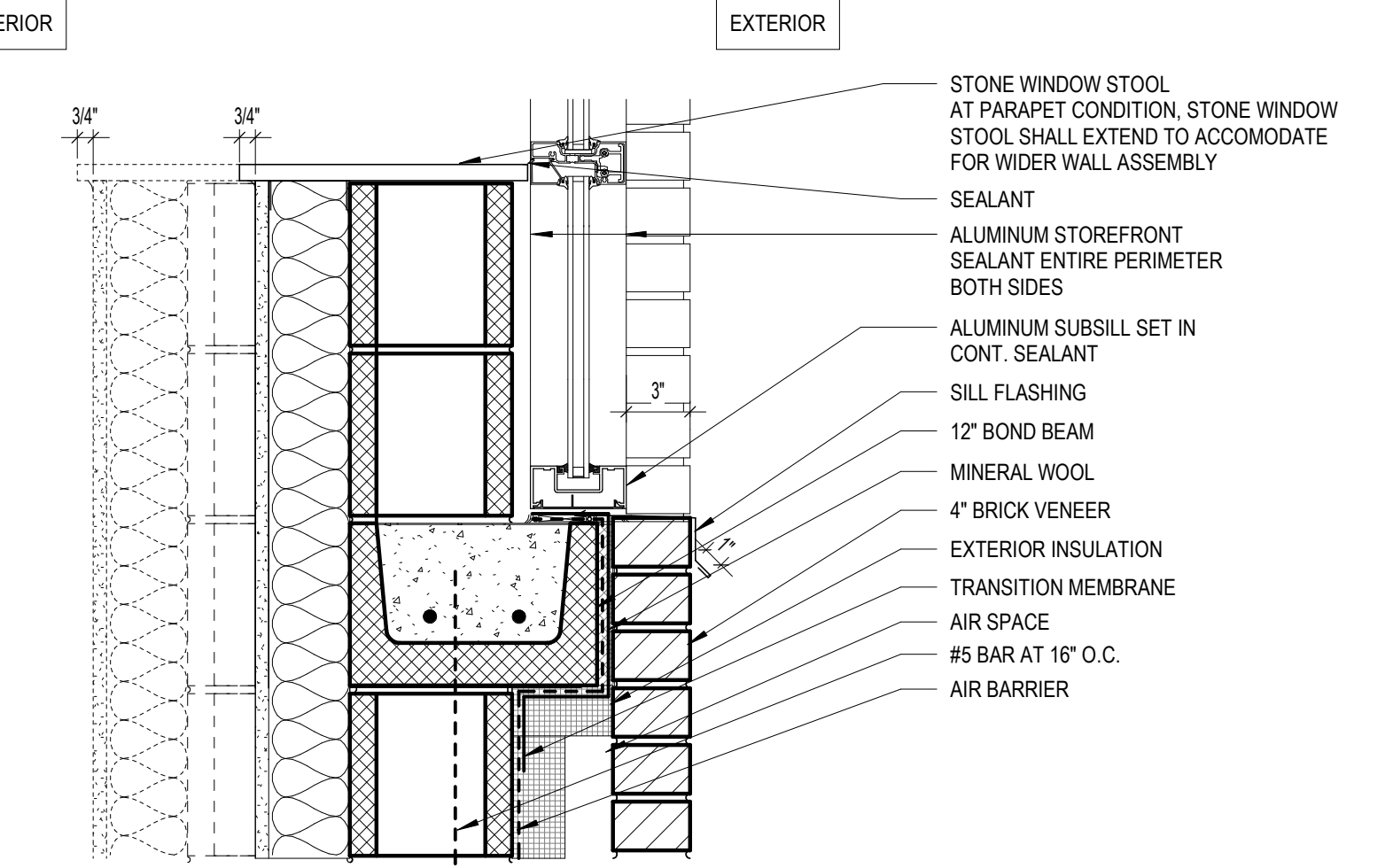
4 J6 - STOREFRONT JAMB AT EXTERIOR MASONRY (EXISTING OPENING)
A6-03 1 1/2" = 1'-0"



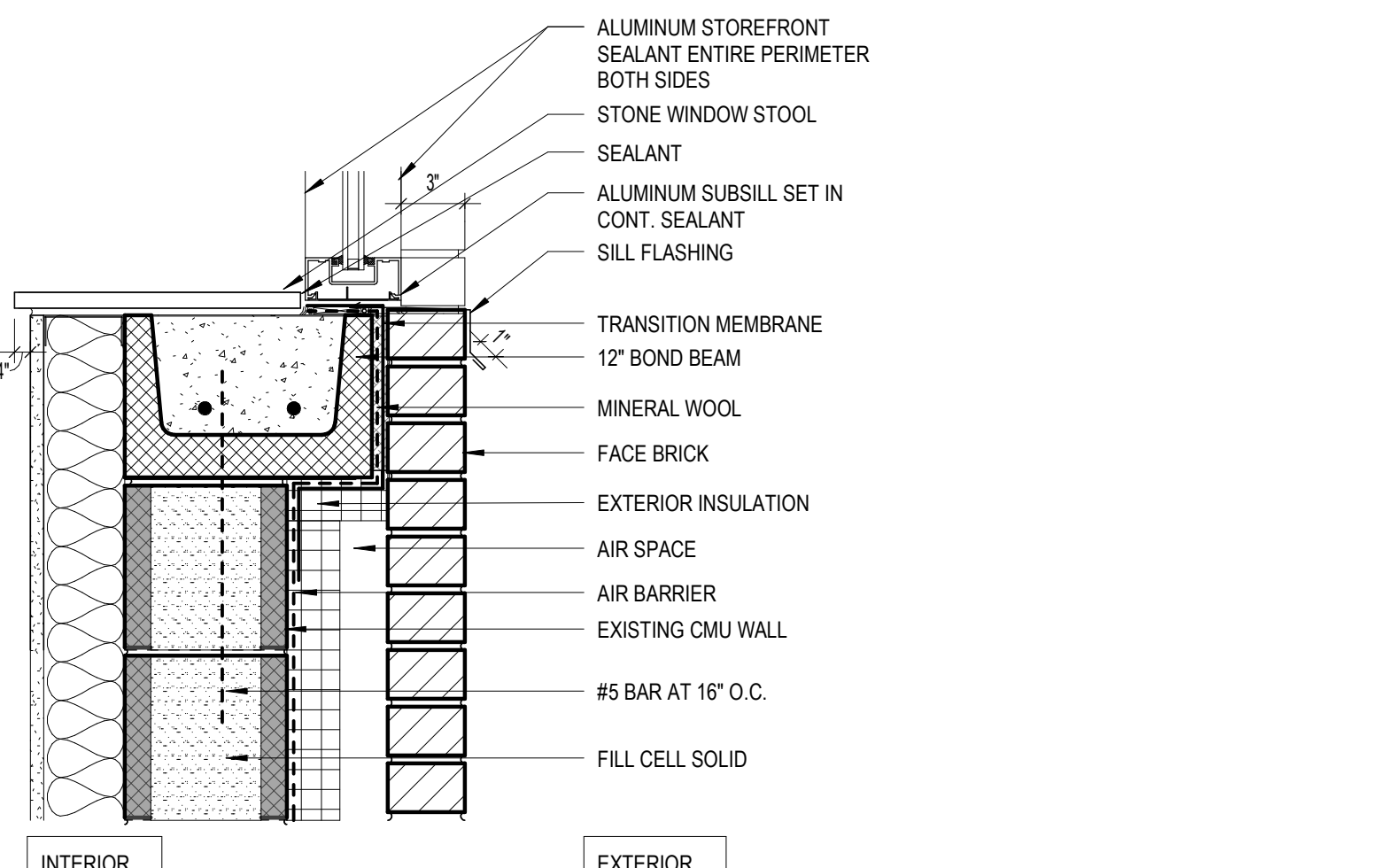
5 J7 - STOREFRONT JAMB AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



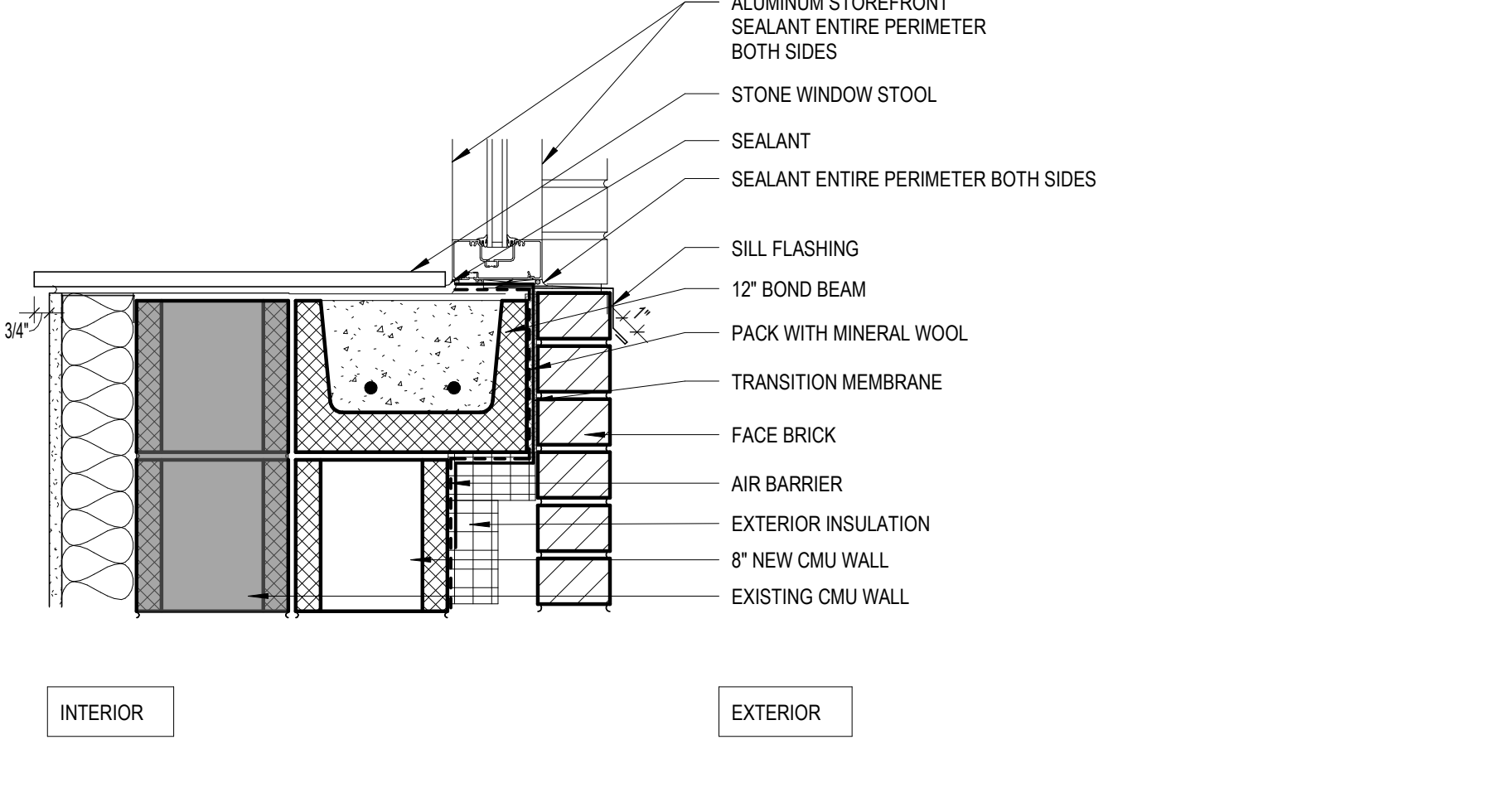
6 J8 - STOREFRONT JAMB AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



1 S1 - SPANDREL STOREFRONT SILL AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



2 S2 - STOREFRONT SILL AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



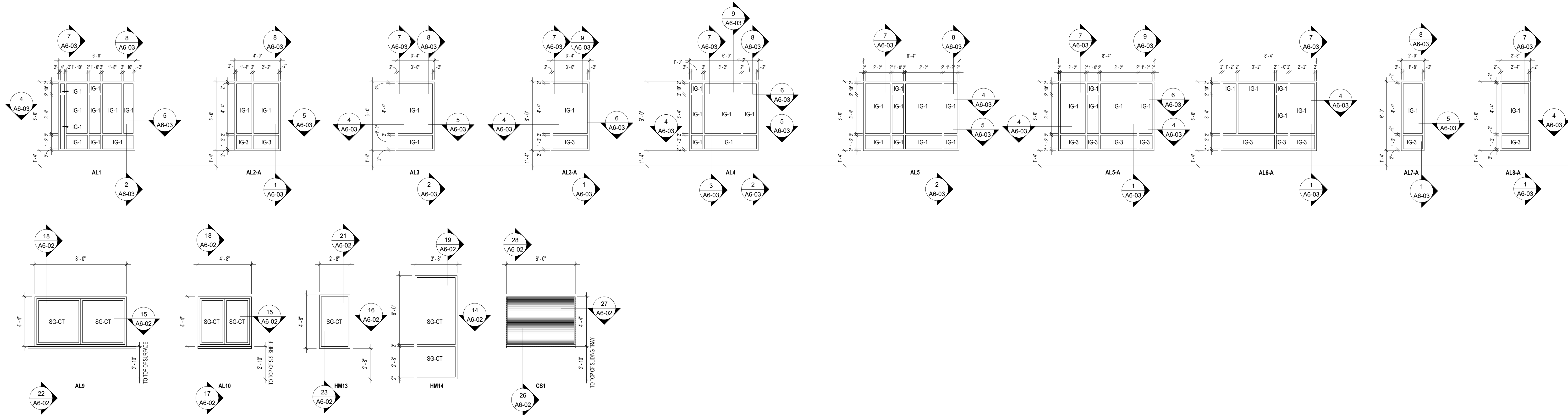
3 S3 - STOREFRONT SILL DETAIL (NEW OPENING)
A6-03 1 1/2" = 1'-0"

DRAWN BY: FANB
CHECKED BY: JEG
JAMB, HEAD AND
SILL DETAILS

2021029 16 OCT. 2024

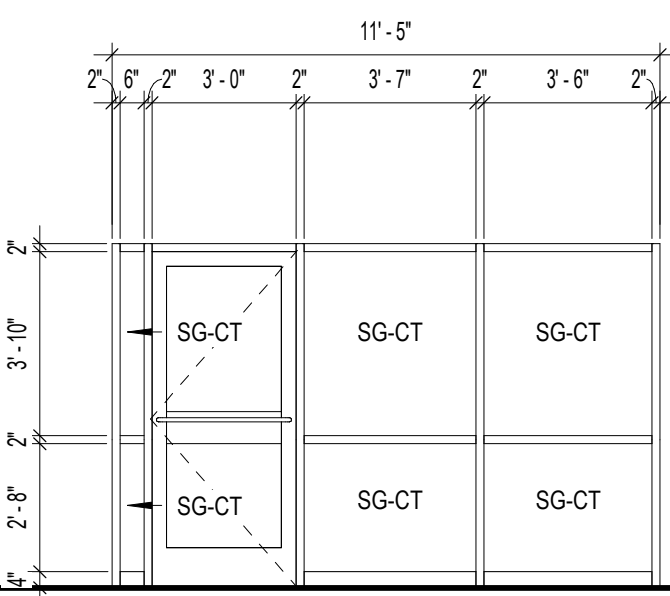
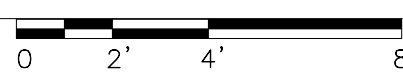
A6-03

LEGEND:	
HM -	HM FRAME DESIGNATION
AL -	ALUMINUM WINDOW FRAME
N -	INTERIOR ALUM. STOREFRONT
S -	EXTERIOR ALUM. STOREFRONT
GLAZING:	
IG -	INSULATED GLASS
IG-1	LOW-E TINTED
IG-2	LOW-E TINTED TEMPERED
IG-3	LOW-E TINTED SPANDREL
IG-4	CLEAR TEMPERED
SG-CT	SAFETY GLASS - CLEAR TEMPERED

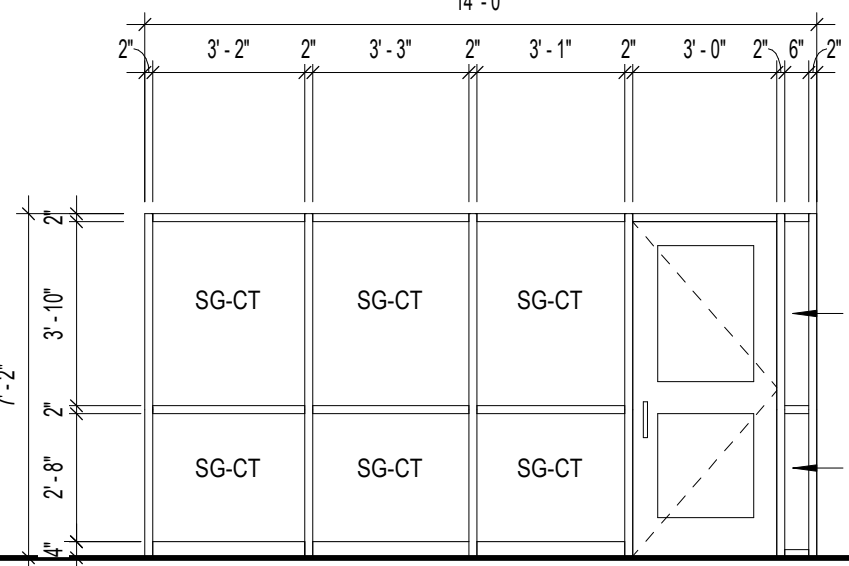


WINDOW LEGEND

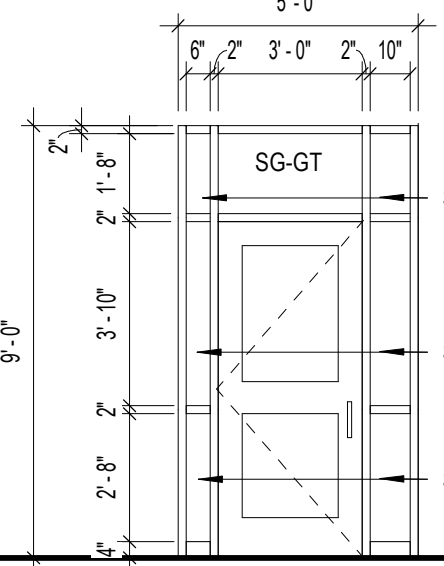
1/4" = 1'-0"



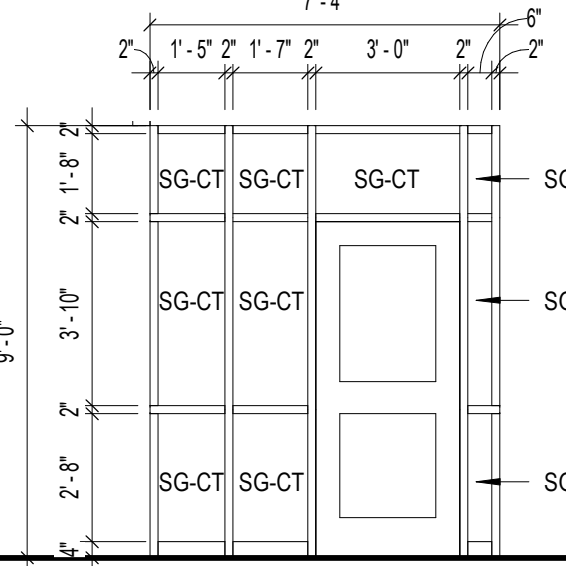
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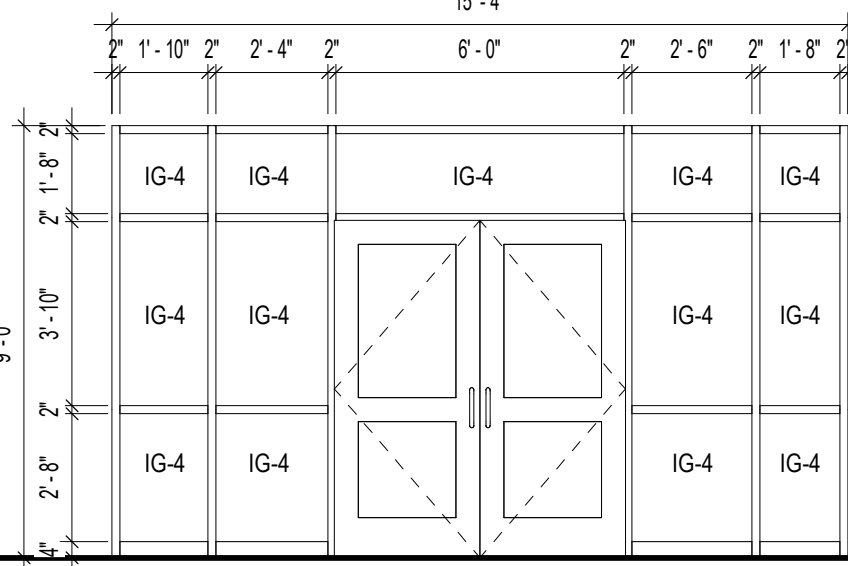
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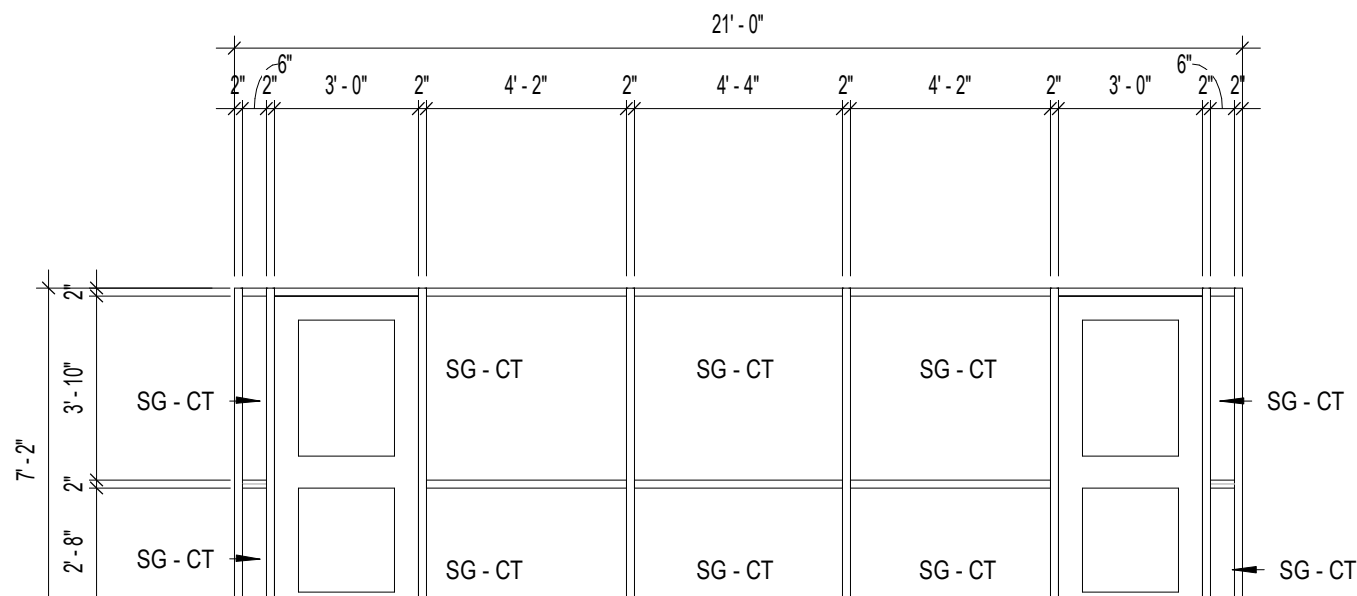
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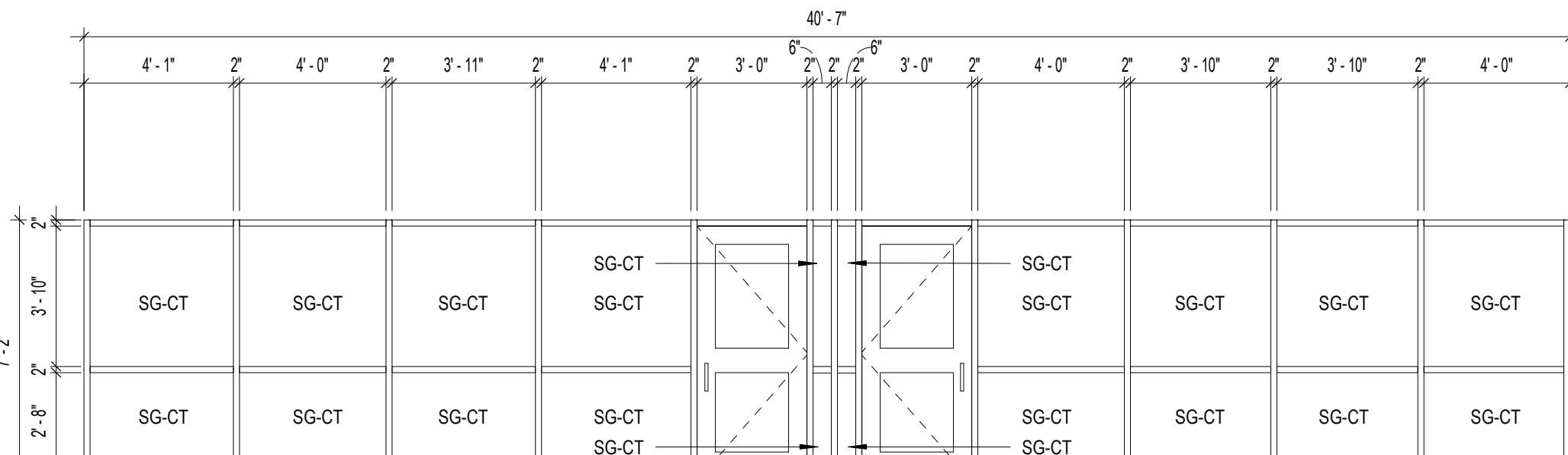
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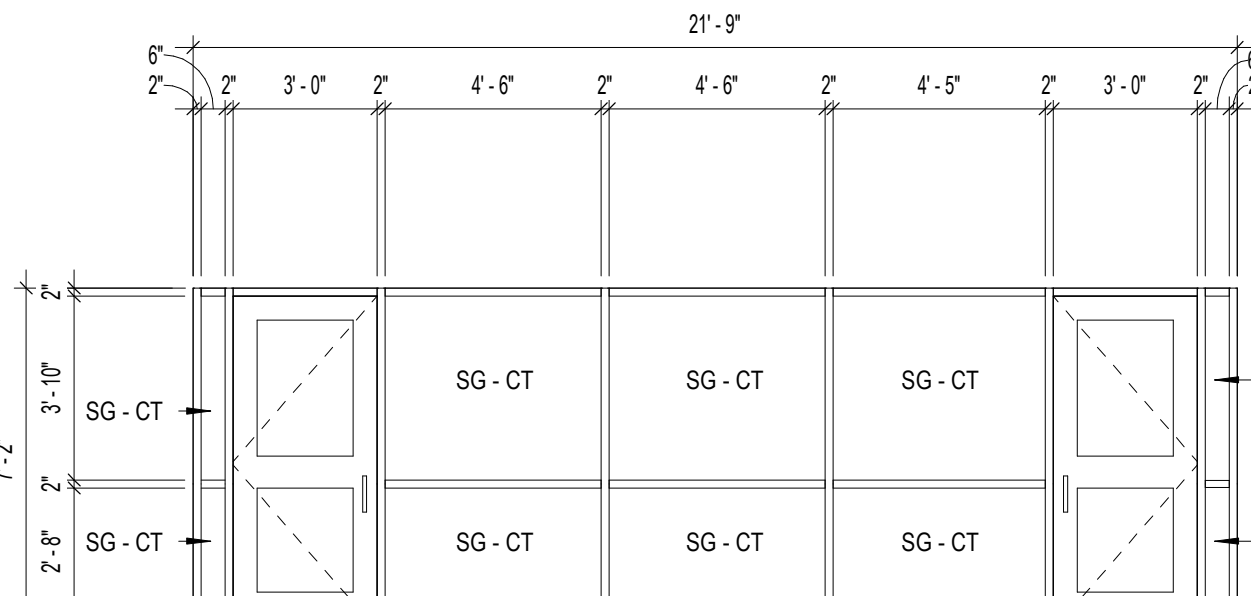
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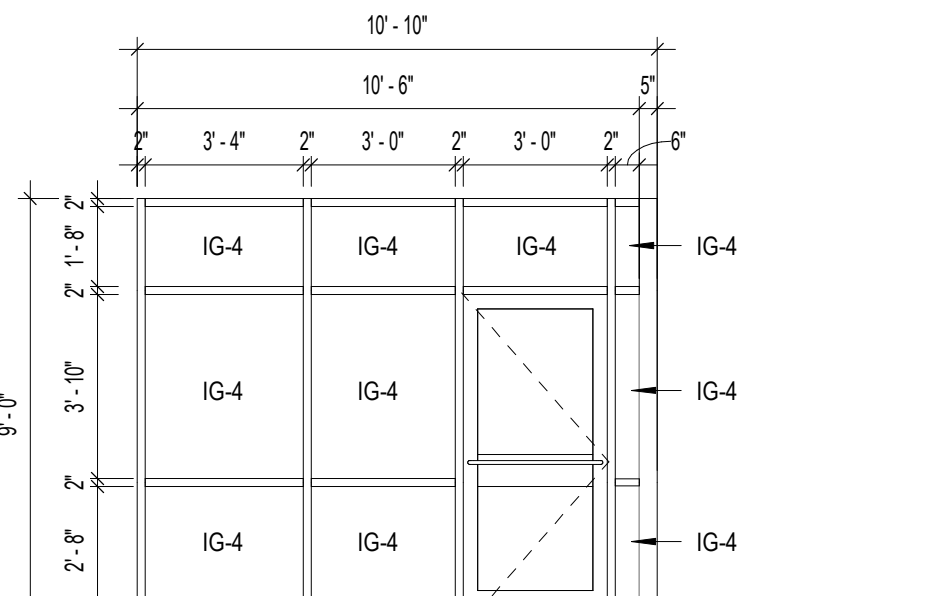
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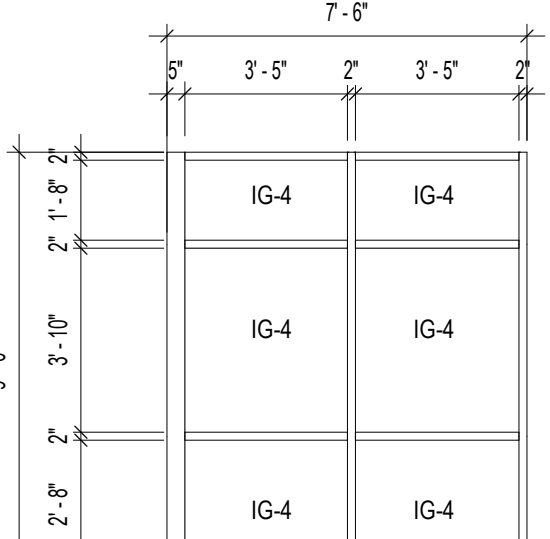
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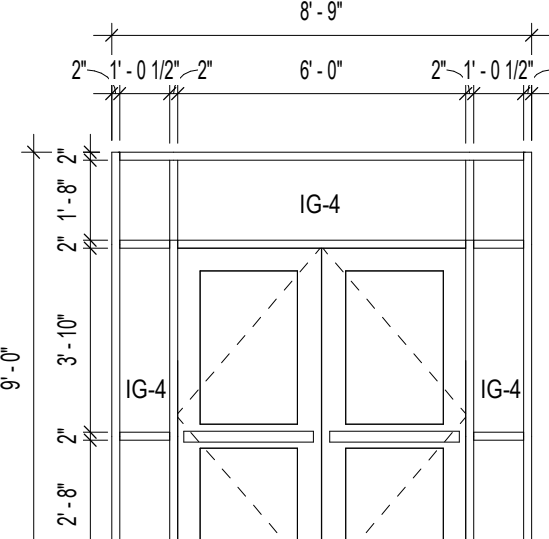
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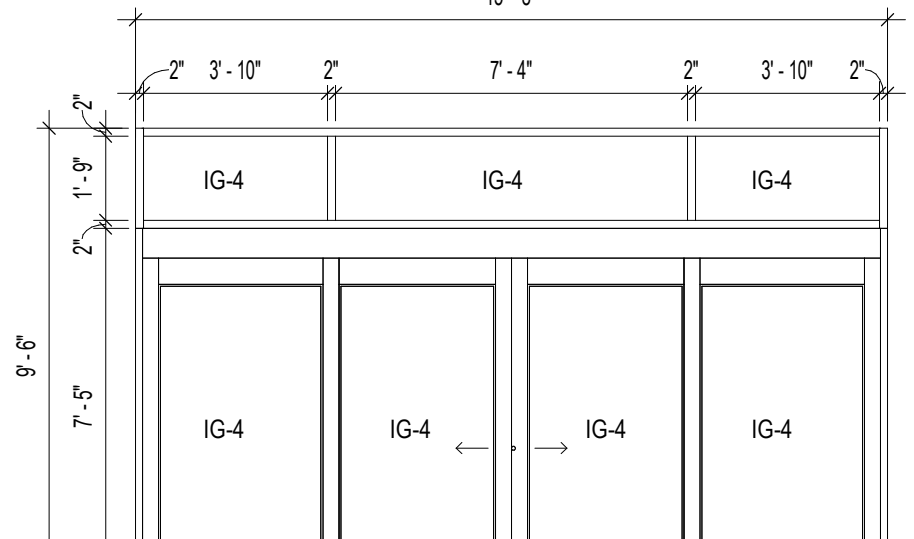
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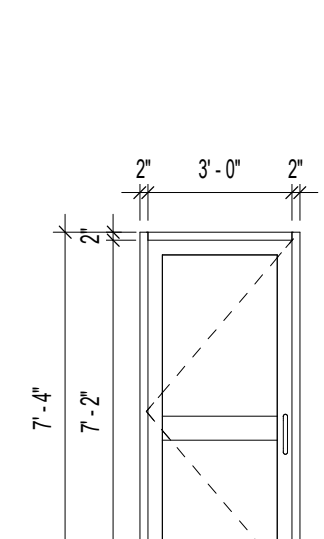
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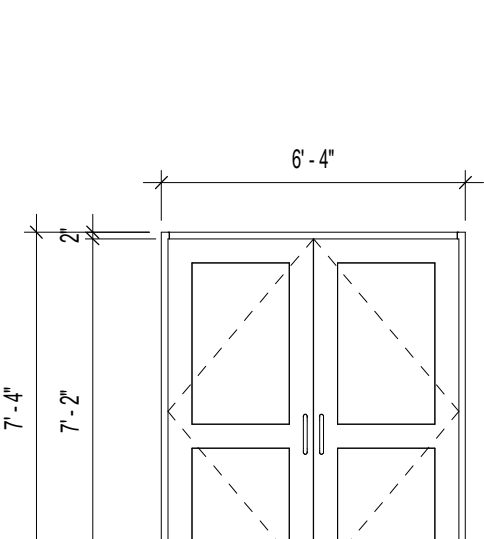
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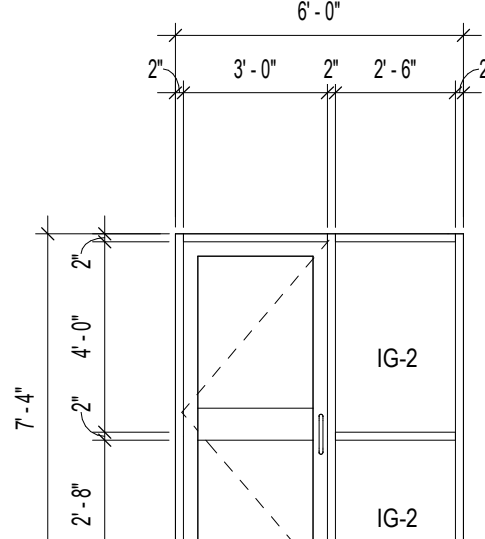
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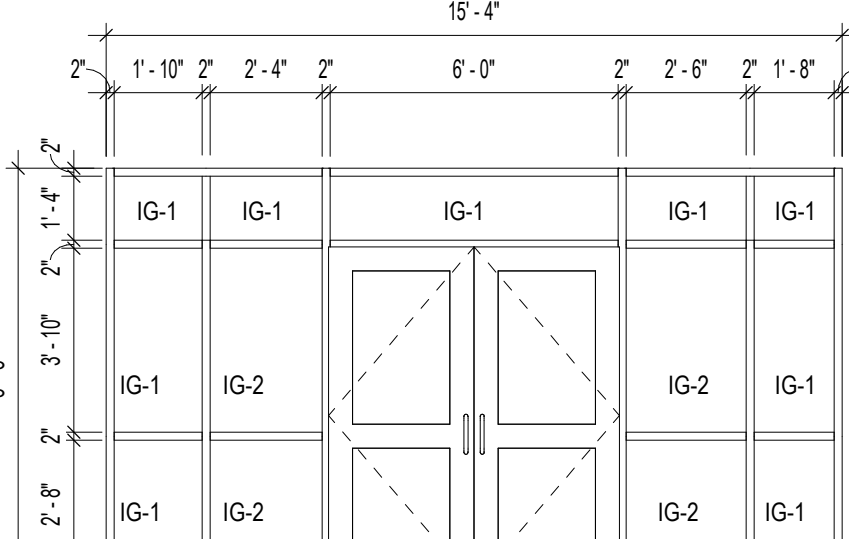
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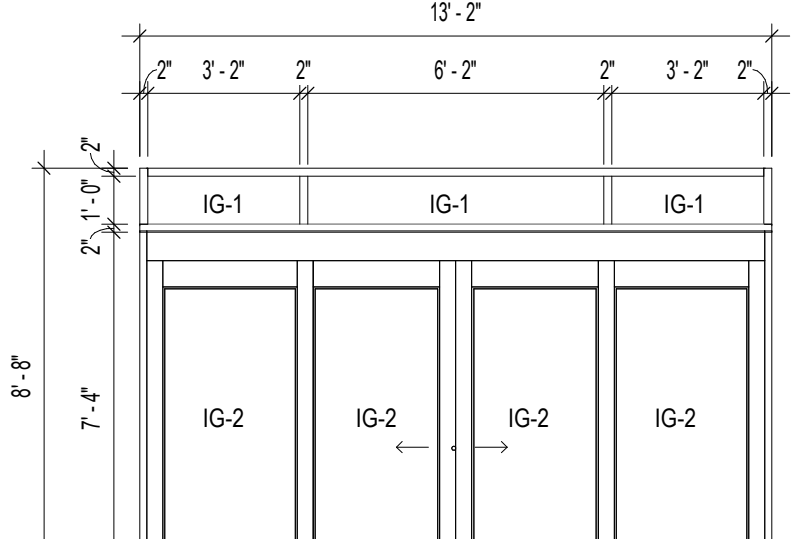
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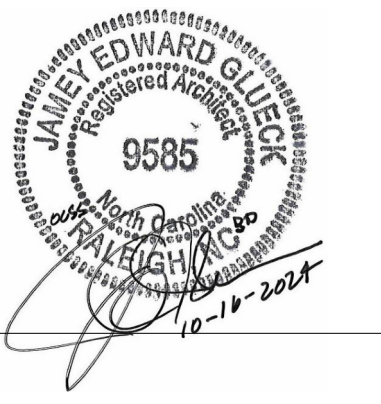
S3



S2



S1



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**Onslow County Senior Services Center
Renovation
Onslow County Government**
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION

ID	DATE	DESCRIPTION

ID	DATE	DESCRIPTION

ID	DATE	DESCRIPTION

ID	DATE	DESCRIPTION

ID	DATE	DESCRIPTION

ID	DATE	DESCRIPTION

ID	DATE	DESCRIPTION

DRAWN BY: FA
CHECKED BY: JEG
**STOREFRONT,
WINDOW AND
FRAME
ELEVATIONS**

2021029 16 OCT. 2024

FINISH LEGEND

WALL FINISHES BASED ON PLAN LOCATION	ROOM NAME ROOM NUMBER	INDICATES ACCENT PAINT OR WALL TILE
CEILING TYPE - REFER TO REFLECTIVE CEILING PLANS (A1-20, A1-21)		INDICATES WALL TO RECEIVE LEVEL 5 GWB FINISH
A ACT-1, 2X2 CEILING TILE, WHITE (DO NOT PAINT)		
B ACT-2, 2X2 VINYL COVERED TILE (DO NOT PAINT)		
D GYPSUM WALLBOARD CEILING		
E GYPSUM BOARD CEILING - MOISTURE RESISTANT		
J EXPOSED EXISTING STRUCTURE - REFER TO RCP (A1-20, A1-21) FOR SPECIFICS		
K EXPOSED EXISTING STRUCTURE - REFER TO RCP (A1-20, A1-21) FOR SPECIFICS		
L EXPOSED EXISTING STRUCTURE - REFER TO RCP (A1-20, A1-21) FOR SPECIFICS		

WALL FINISH	FLOOR FINISH
PT-1 INTERIOR FIELD PAINT	SC SEALED CONCRETE
EPT-1 EPOXY FIELD CEILING PAINT	CPT-1 CARPET TILE
EPT-2 EPOXY CEILING PAINT	CPT-2 CARPET TILE
EPT-3 EPOXY CEILING PAINT	WCT-1 WALK OFF CARPET TILE
PT-3 ACCENT PAINT	FT1 FLOOR TILE 1 (6X6)
PT-4 ACCENT PAINT	RAF RESILIENT ATHLETIC FLOORING
PT-5 ACCENT PAINT	VCT-1 VINYL COMPOSITION TILE
PT-6 ACCENT PAINT	VCT-2 VINYL COMPOSITION TILE
PT-7 ACCENT PAINT	LVT LUXURY VINYL TILE
PT-8 ACCENT BULKHEADS	
PT-9 ACCENT COLUMN PAINT	
PT-10 ACCENT PAINT	
PT-11 HALF FRAME AND DOOR PAINT	
PT-12 EXTERIOR PAINT	
WT-1 WALL TILE	

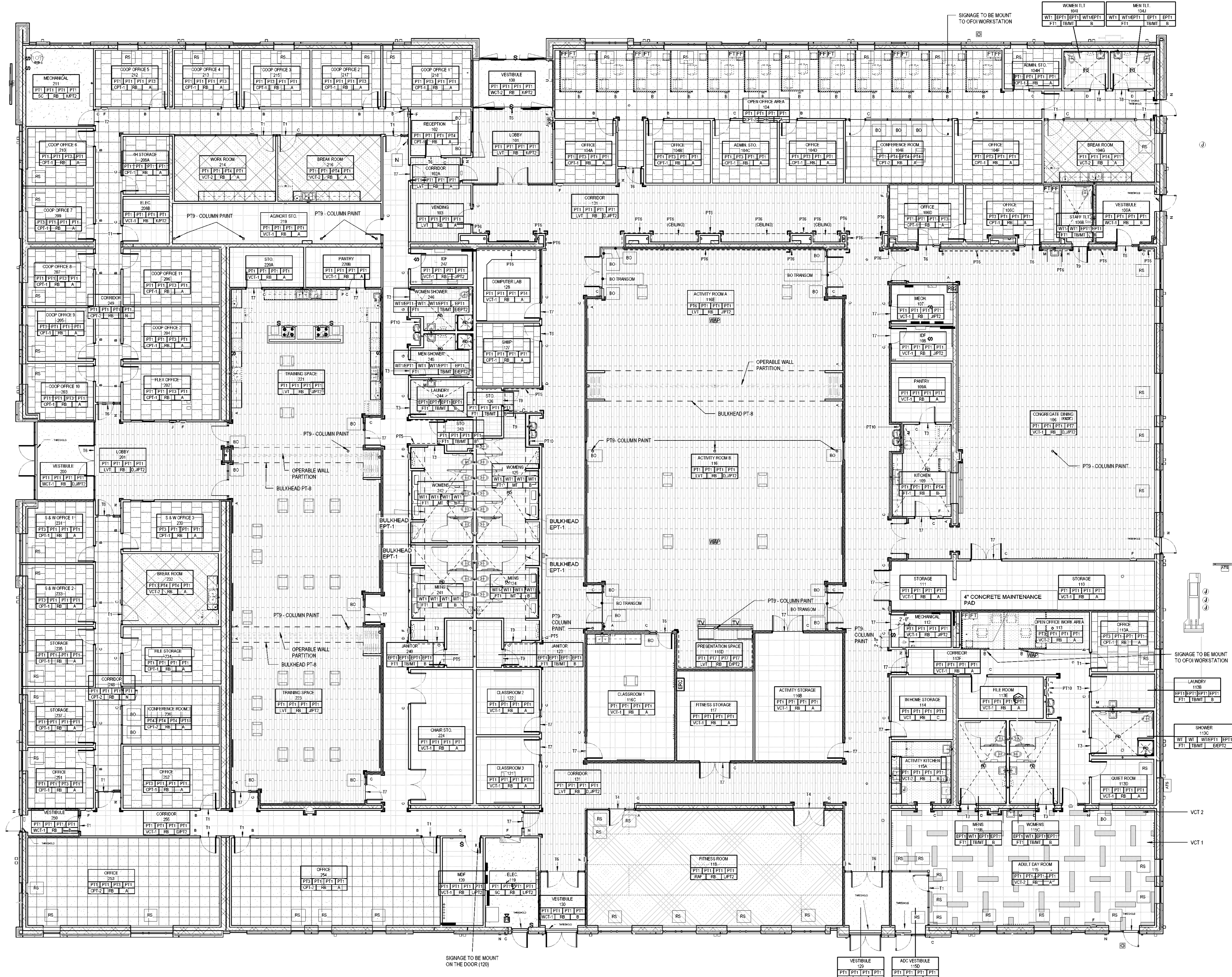
WALL BASE	SURFACE FINISH
RB RUBBER BASE	PL-1 PLASTIC LAMINATE CASEWORK
TB TILE BULLNOSE	PL-2 PLASTIC LAMINATE CASEWORK
MT METAL TRIM - SCHLUTER DILEX-EHK	PL-3 PLASTIC LAMINATE CASEWORK
	PL-4 PLASTIC LAMINATE CASEWORK
	PL-5 PLASTIC LAMINATE CASEWORK
	SS-1 SOLID SURFACE CASEWORK COUNTER
	SS-2 SOLID SURFACE CASEWORK COUNTER
	SS-3 REFER TO PLUMBING FOR CASEWORK

THRESHOLD - REFER TO A6-02	WINDOW FINISHES
T1 VCT TO OPT TRANSITION STRIP	SS4 WINDOW STOOL
T2 VCT TO OPT TRANSITION STRIP	RS ROLLER SHADES
T3 VCT TO FT TRANSITION STRIP	BO BLACK OUT SHADE
T4 LVT TO RAF TRANSITION STRIP	
T5 FT TO FT TRANSITION STRIP	
T6 LVT TO CPT TRANSITION STRIP	
T7 LVT TO VCT TRANSITION STRIP	
T8 OPT TO FT TRANSITION STRIP	
T9 LVT TO FT TRANSITION STRIP	

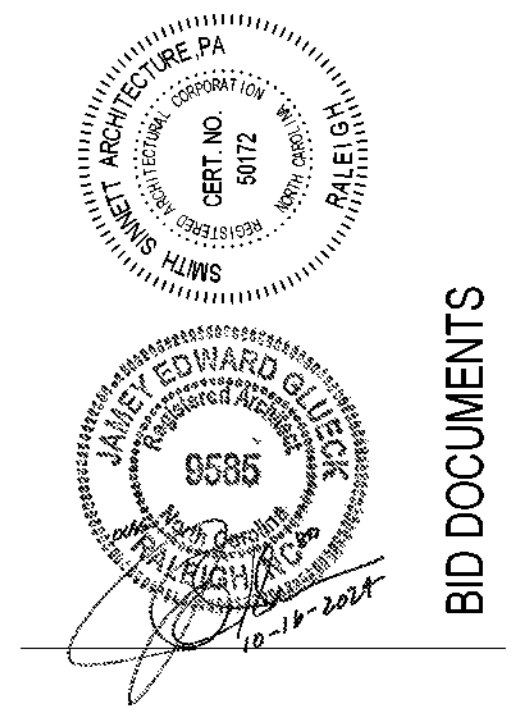
CORNER GUARDS

GENERAL FINISH NOTES:

- ALL GYPSUM BOARD CEILINGS AND BULKHEADS UNLESS OTHERWISE NOTED SHALL BE PT-2.
- ALL INTERIOR EXPOSED CEILINGS UNLESS OTHERWISE NOTED SHALL BE PT-2.
- ALL BULKHEADS IN WET LOCATIONS SHALL BE EPT-1.
- EPT-1 TO BE USED ON ALL RESTROOM WALLS ABOVE AND ADJACENT TO WALL TILE.
- ALL SHOWER CEILINGS AND BULKHEADS SHALL BE EPT-2.
- FINISH MATERIALS SUBMITTED AS EQUALS TO THE BASIS OF DESIGN WILL BE APPROVED OR REJECTED BASED ON COLOR INTEGRITY AND TACTILE CHARACTERISTICS IN ADDITION TO TECHNICAL SPECIFICATIONS.
- FINISHES ARE CONTINGENT ON FINAL OWNER AND ARCHITECT APPROVAL.
- METAL FINISHING STRIPS TO BE USED ON ALL VERTICAL AND HORIZONTAL EDGES, AND CORNERS OF WALL TILE.
- FINISHED EDGE TILE TO BE USED AT TOP COURSE OF WALL TILE.
- GC TO ENSURE LEVEL FLOOR FINISH AT ALL TILE TRANSITIONS.
- ALL EXTERIOR WINDOWS TO HAVE ROLLER SHADE BLINDS UNLESS OTHERWISE NOTED, REFER TO SPECIFICATIONS.
- ALL CERAMIC TILE TO HAVE CONTROL JOINTS THAT ALIGN WITH CONTROL JOINTS IN CONCRETE SLAB.



1 FINISH PLAN
A7-01
1/8" = 1'-0"



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Smith Sinnett Architecture, P.A. 2024

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REVISED ON 10/11/2024

**Onslow County Senior Services Center
Renovation
Onslow County Government**

4024 Richlands Hwy, Jacksonville, NC 28540

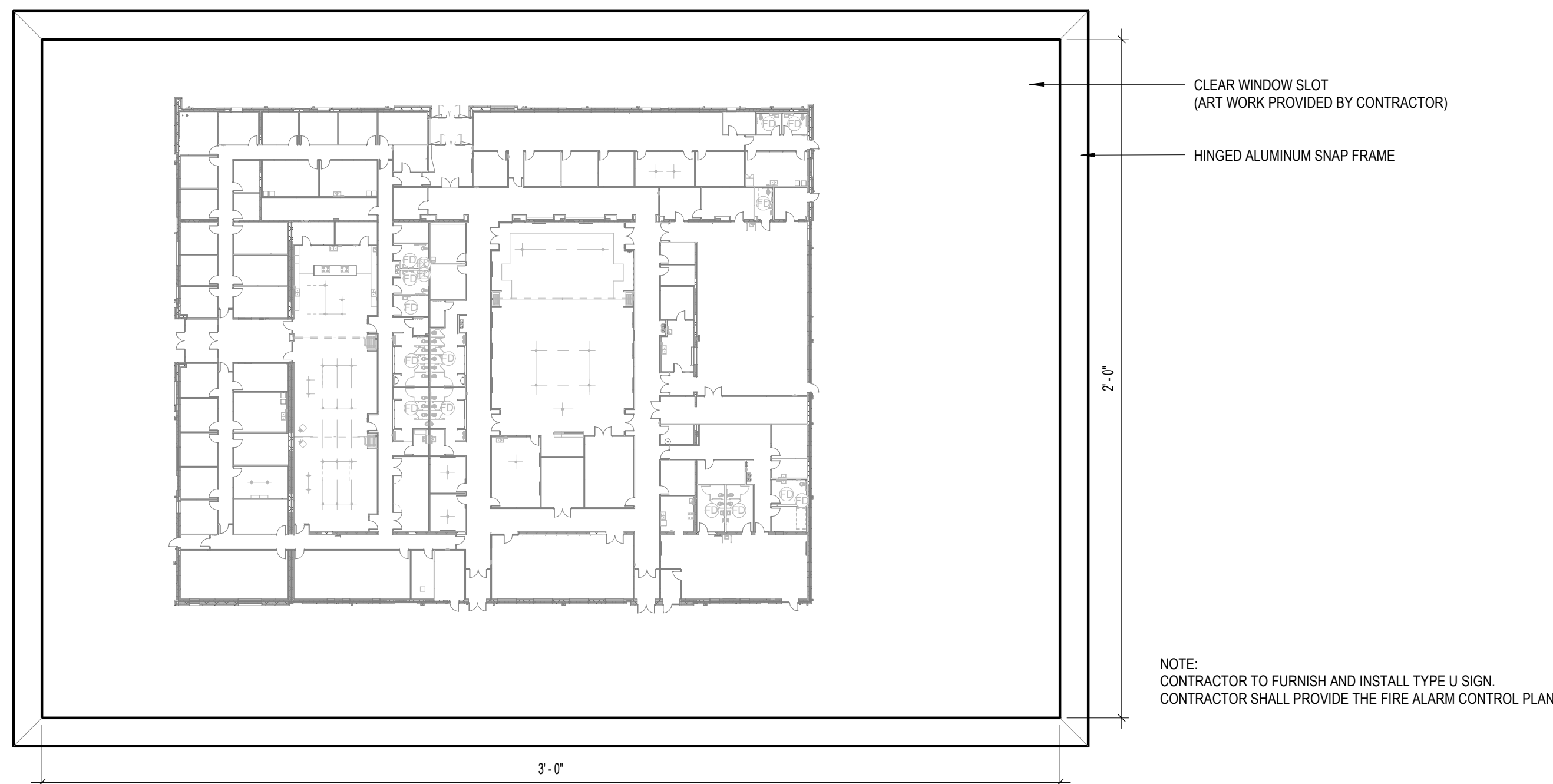
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DRAWN BY: FANB
CHECKED BY: JEG

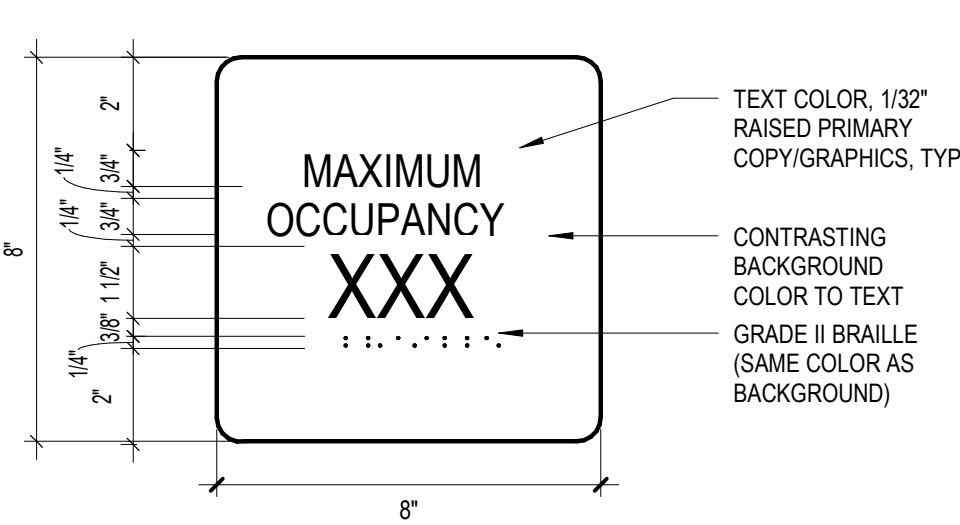
FINISH PLAN

2021029 16 OCT. 2024

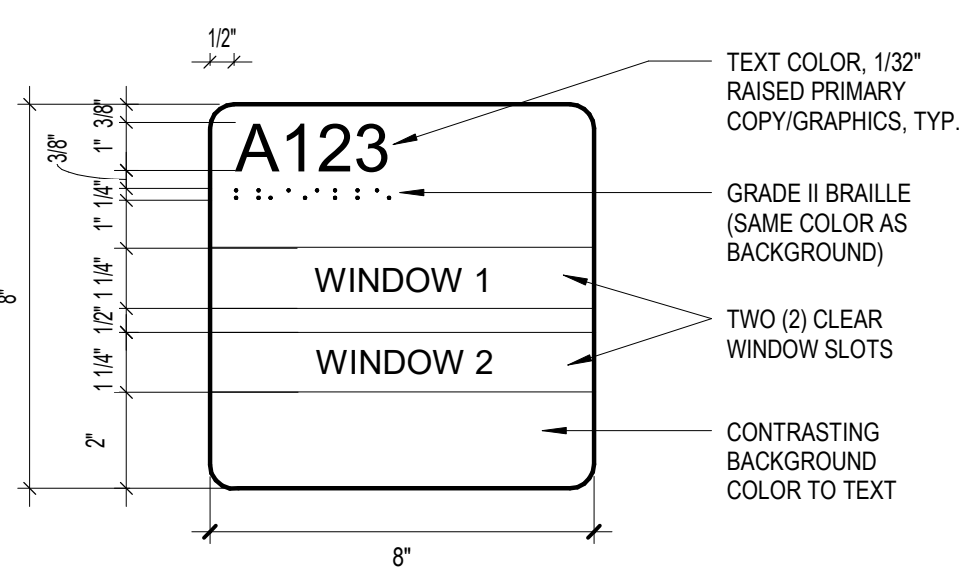
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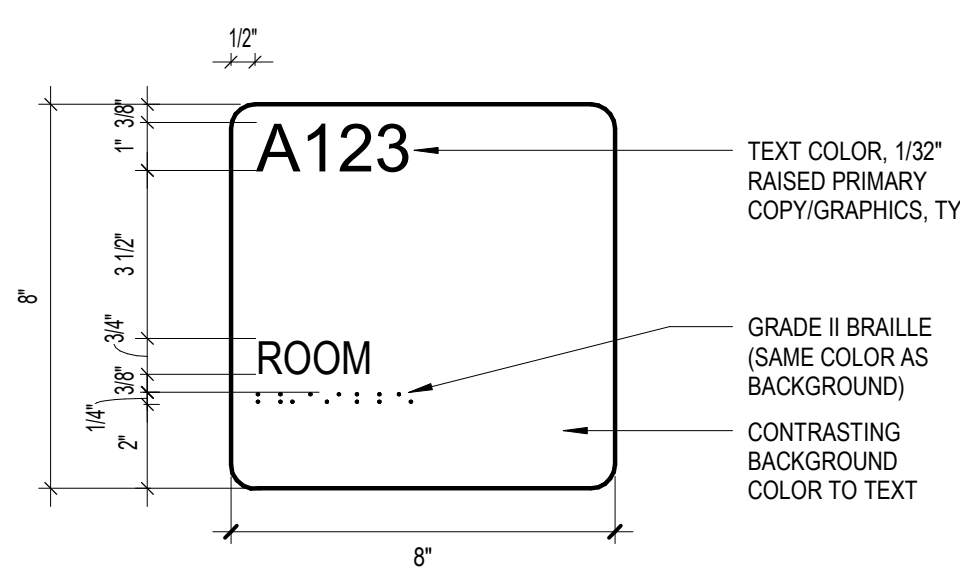
SIGN TYPE A



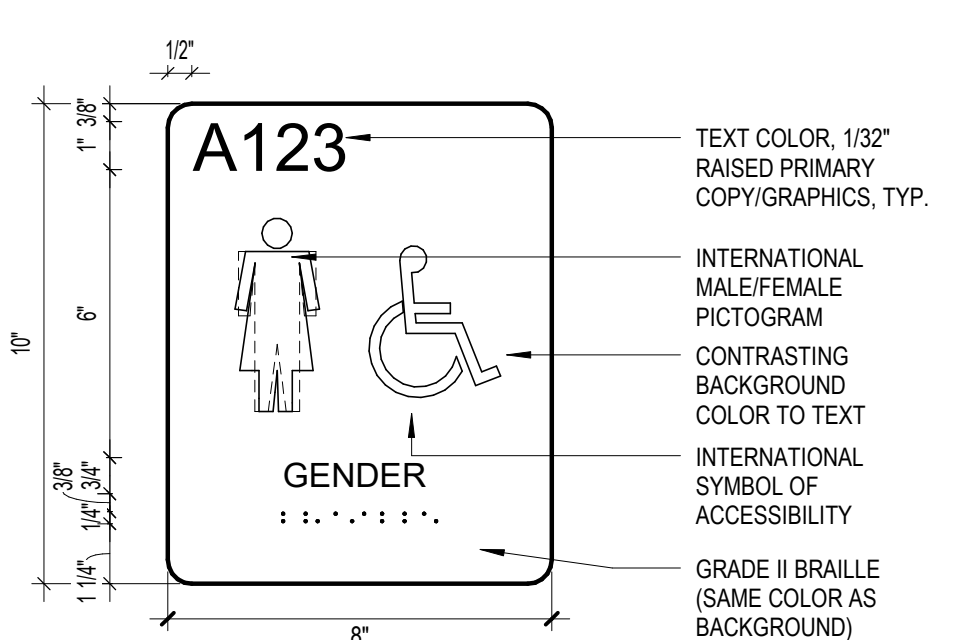
SIGN TYPE B



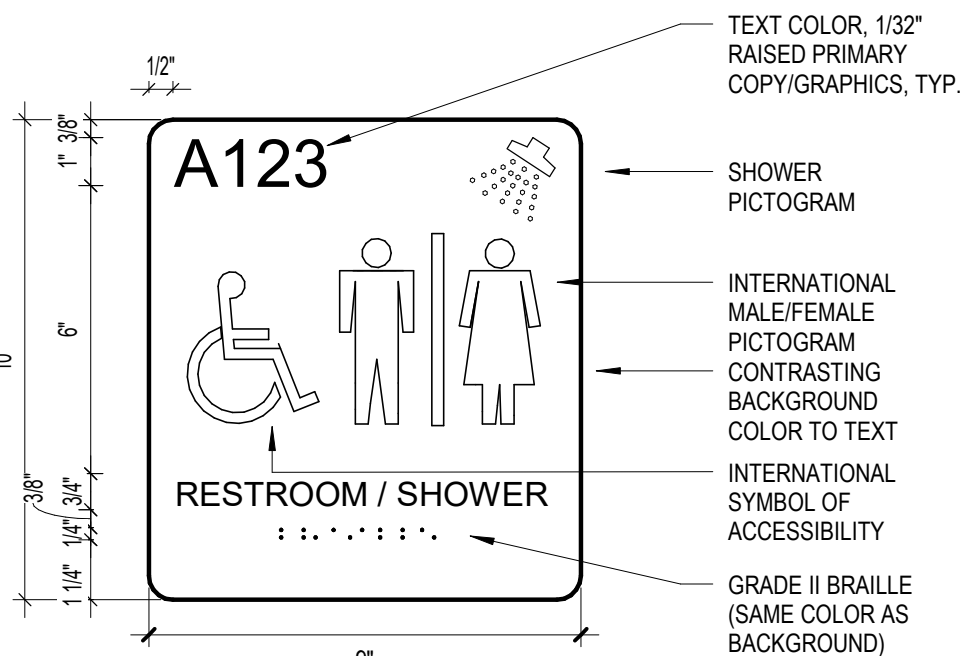
SIGN TYPE C



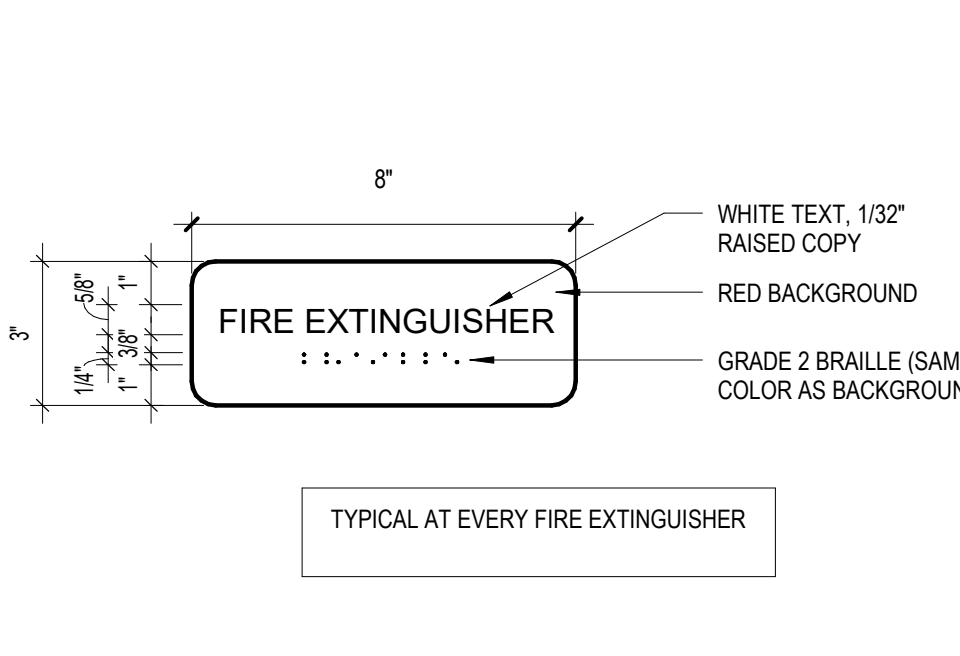
SIGN TYPE D



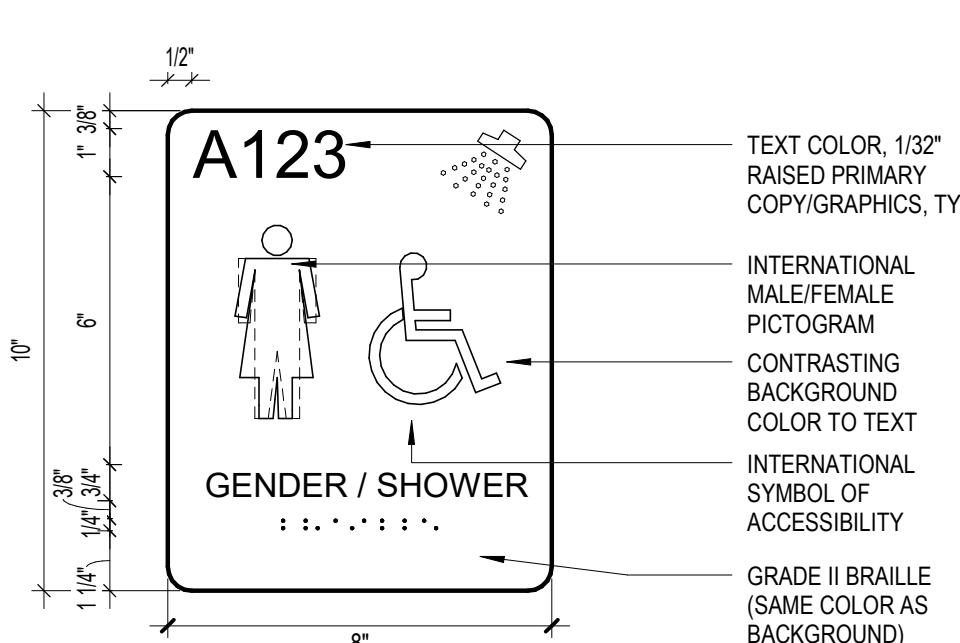
SIGN TYPE E



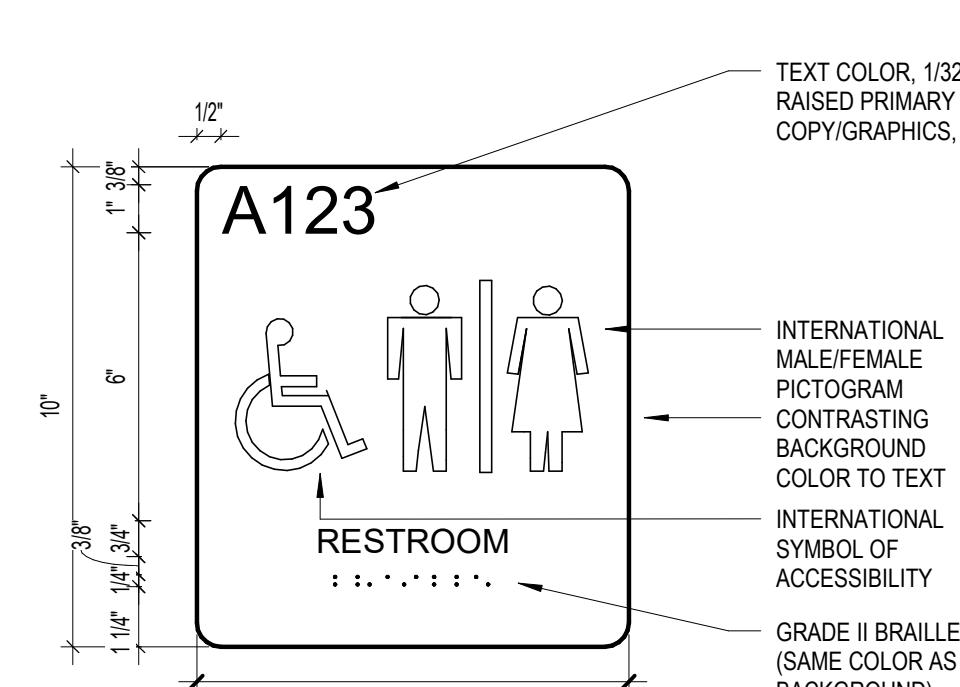
SIGN TYPE F



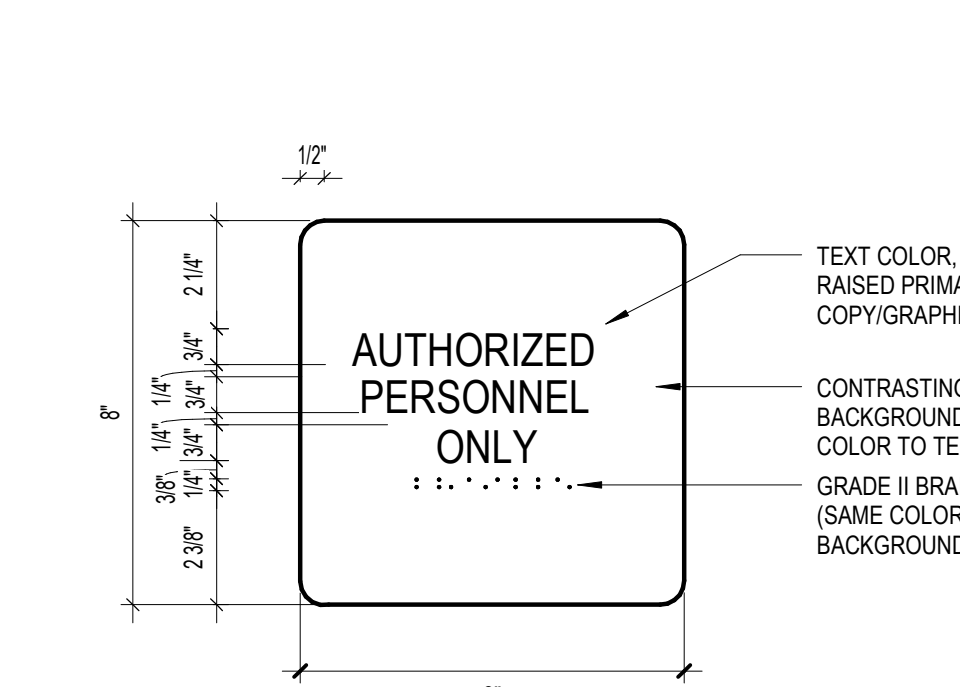
SIGN TYPE G



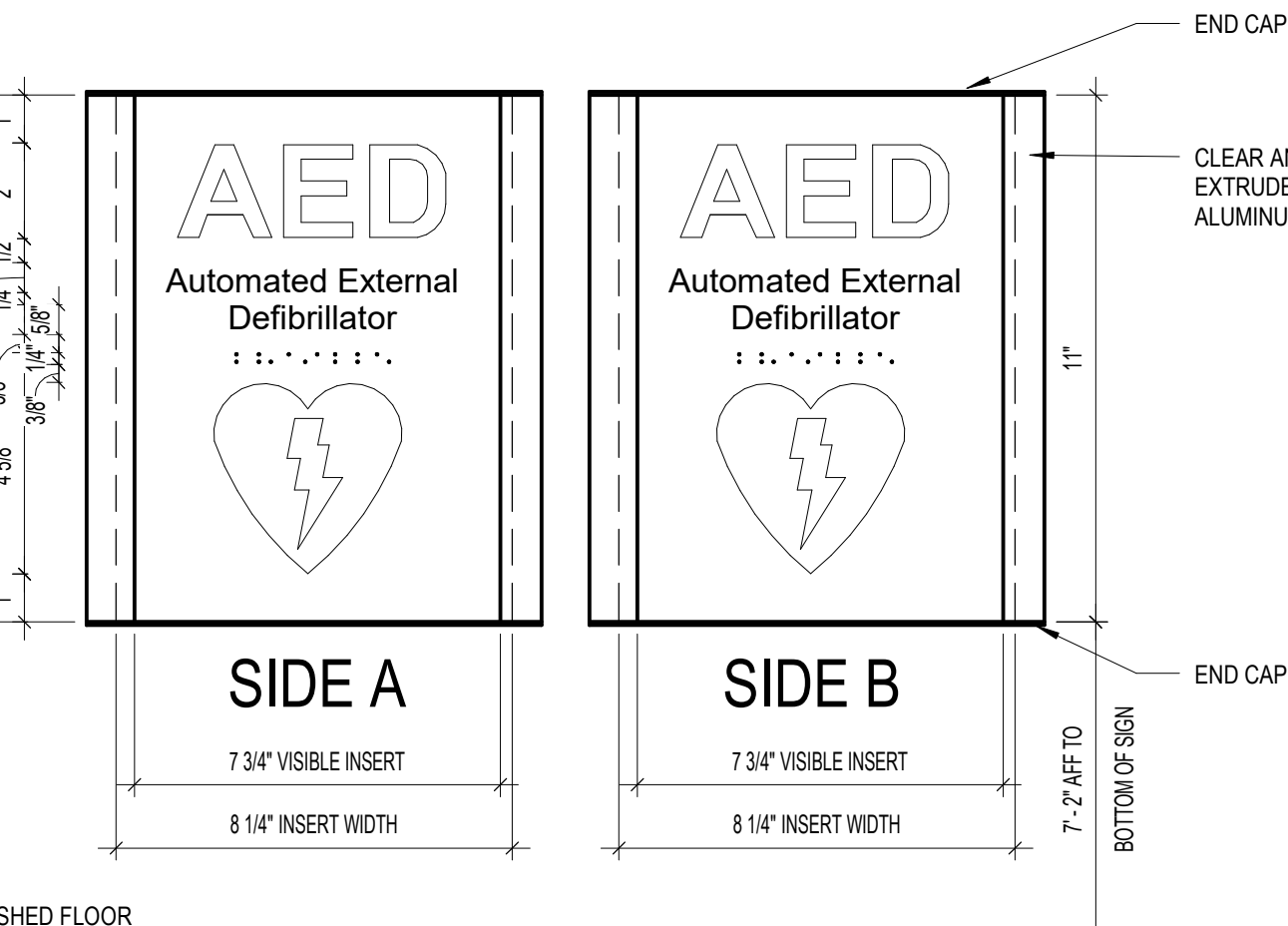
SIGN TYPE H



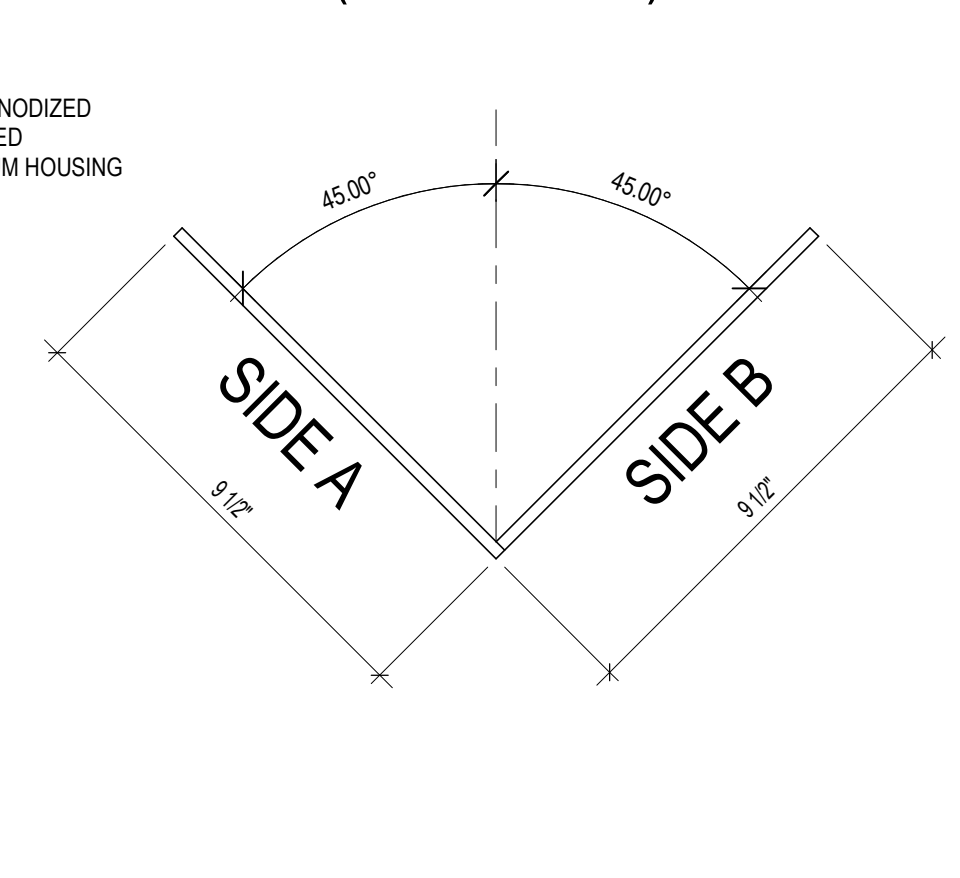
SIGN TYPE N



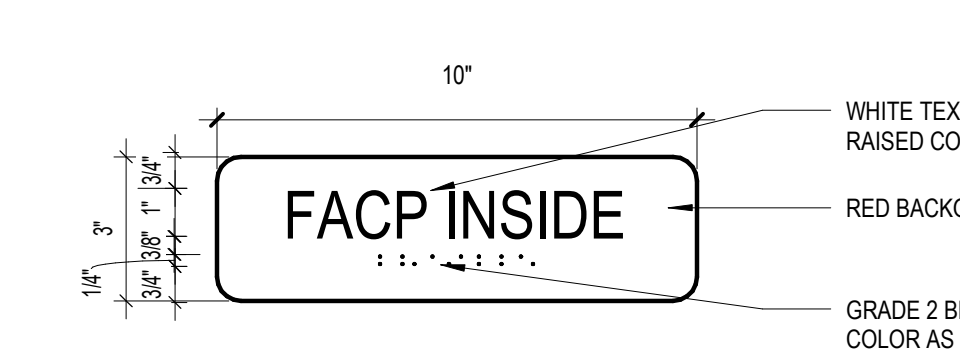
SIGN TYPE J



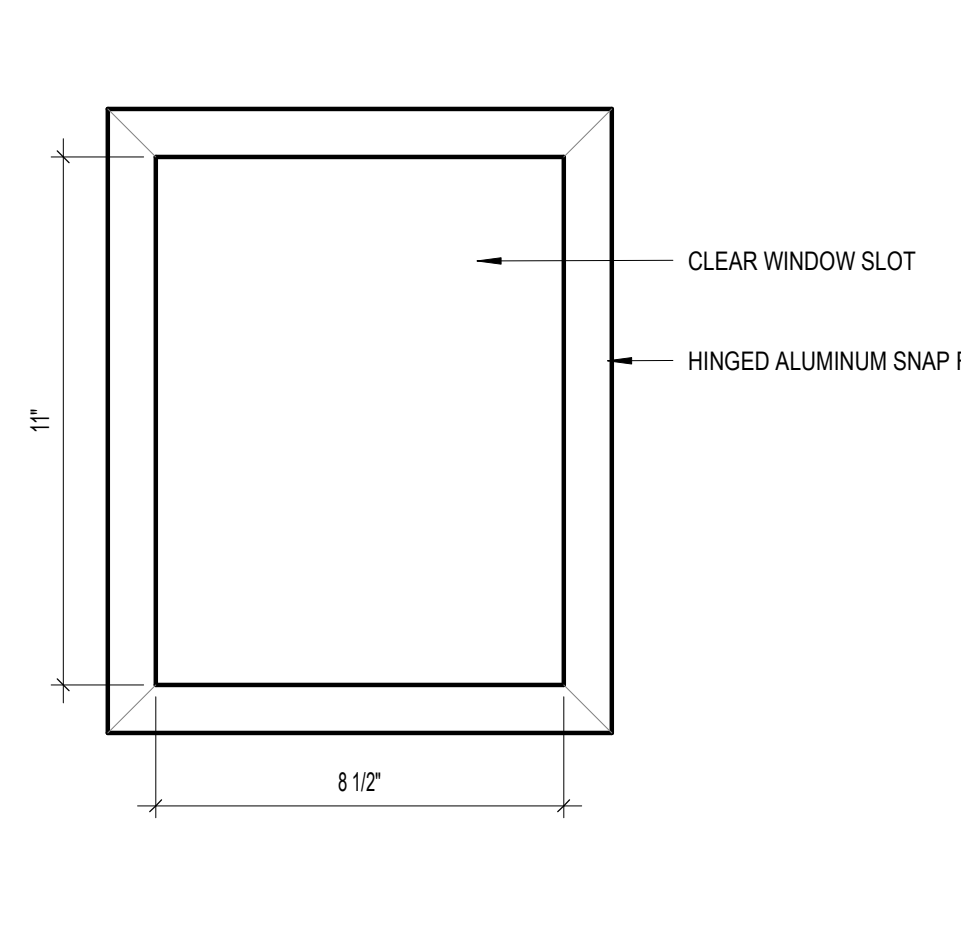
SIGN TYPE J (PLAN VIEW)



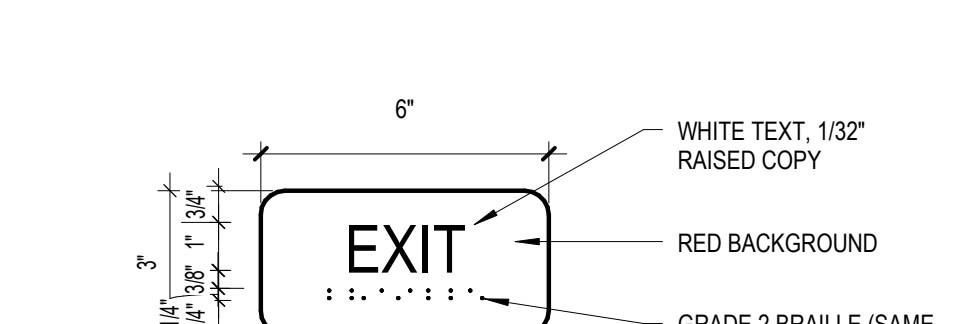
SIGN TYPE K



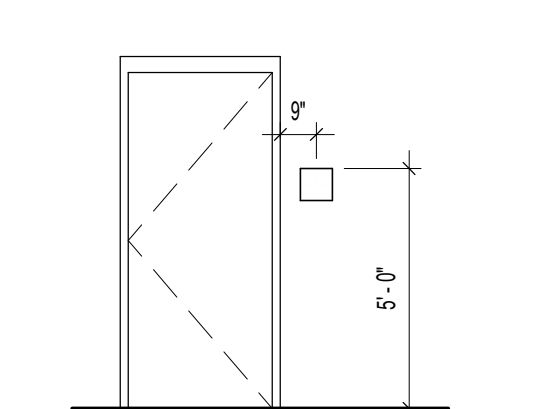
SIGN TYPE M



SIGN TYPE L



SIGNAGE ELEVATION & NOTES



ROOM NO	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	Wall Finish	NOTES
100	VESTIBULE	WCT-2	RB	PT1	PT1	PT1	PT1	K/PT2	
101	LOBBY	LVT	RB	PT1	PT1	PT1	PT1	K/PT2	
102	RECEPTION	CPT-1	RB	PT1	PT1	PT1	PT4	A	
102A	CORRIDOR	LVT	RB	PT1	PT1	PT1	PT1	A	
103	VENDING	LVT	RB	PT1	PT1	PT1	PT1	A	
104	OPEN OFFICE AREA	CPT-2	RB	PT1	PT1	PT1	PT1	A	
104A	OFFICE	CPT-1	RB	PT1	PT3	PT1	PT1	A	
104B	OFFICE	CPT-1	RB	PT1	PT3	PT1	PT1	A	
104C	ADMIN. STO.	CPT-1	RB	PT1	PT3	PT1	PT1	A	
104D	OFFICE	CPT-1	RB	PT1	PT3	PT1	PT1	A	
104E	CONFERENCE ROOM	CPT-2	RB	PT1	PT4	PT4	PT4	A	
104F	OFFICE	CPT-1	RB	PT1	PT1	PT1	PT1	A	
104G	BREAK ROOM	WCT-2	RB	PT1	PT1	PT4	PT1	A	
104H	ADMIN. STO.	CPT-1	RB	PT1	PT1	PT1	PT1	A	
104I	WOMEN TLT	FT1	TBMT	WT1	EPT1	EPT1	WT1/EPT1	B	
104J	MEN TLT	FT1	TBMT	WT1	WT1/EPT1	EPT1	EPT1	B	
105	CONGREGATE DINING	WCT-1	RB	PT1	PT1	PT1	PT1	B	
106A	VESTIBULE	WCT-1	RB	PT1	PT1	PT1	PT1	B	
106B	STAFF TLT	FT1	TBMT	WT1	WT1	EPT1	EPT1	B	
106C	OFFICE	CPT-1	RB	PT3	PT1	PT1	PT1	A	
106D	OFFICE	CPT-1	RB	PT1	PT1	PT1	PT3	A	
107	MECH.	WCT-1	RB	PT1	PT1	PT1	PT1	J/PT2	
108	IDF	VCT-1	RB	PT1	PT1	PT1	PT1	J/PT2	
109	KITCHEN	FT-1	RB	PT1	PT1	PT1	PT4	B	
109A	PANTRY	VCT-1	RB	PT1	PT1	PT1	PT1	A	
110	STORAGE	VCT-1	RB	PT1	PT1	PT1	PT1	A	
111	STORAGE	VCT-1	RB	PT1	PT1	PT1	PT1	A	
112	MECHANICAL	VCT-1	RB	PT1	PT1	PT1	PT1	J/PT2	
113	OPEN OFFICE WORK AREA	<varies>	RB	PT3	PT1	PT1	PT1	A	
113A	OFFICE	CPT-1	RB	PT3	PT1	PT1	PT1	A	
113B	LAUNDRY	FT1	TBMT	EPT1	EPT1	EPT1	EPT1	B	
113C	SHOWER	FT1	TBMT	WT1	WT1/EPT1	EPT1	EPT1	B	
113D	QUIET ROOM	VCT-1	RB	PT1	PT1	PT1	PT1	A	
113E	FILE ROOM	VCT-1	RB	PT1	PT1	PT1	PT1	A	
113F	CORRIDOR	VCT-1	RB	PT1	PT1	PT1	PT1	A	
115A	ACTIVITY KITCHEN	VCT-2	RB	PT1	PT1	PT1	PT1	B	
115B	MENS	FT1	TBMT	EPT1	WT1	EPT1	EPT1	B	
115C	WOMENS	FT1	TBMT	EPT1	WT1	EPT1	EPT1	B	
115D	ADC VESTIBULE	WCT-1	RB	PT1	PT1	PT1	PT1	B	
116	ACTIVITY ROOM B	LVT	RB	PT1	PT1	PT1	PT1	D,J/PT2	
118B	ACTIVITY STORAGE	VCT-1	RB	PT1	PT1	PT1	PT1	A	
118C	CLASSROOM 1	VCT-1	RB	PT1	PT1	PT1	PT1	A	
118D	PRESENTATION SPACE	LVT	RB	PT1	PT7	PT7	PT7	D/PT2	
118E	ACTIVITY ROOM A	LVT	RB	PT6	PT1	PT1	PT1	J/PT2	
117	FITNESS STORAGE	VCT-1	RB	PT1	PT1	PT1	PT1	A	
118	FITNESS ROOM	RAF	RB	PT1	PT1	PT1	PT1	L/PT2	
119	ELEC.	SC	RB	PT1	PT1	PT1	PT1	L/PT2	
120	MDP	VCT-1	RB	PT1	PT1	PT1	PT1	L/PT2	
121	CLASSROOM 3	VCT-1	RB	PT1	PT1	PT1	PT1	A	
122	CLASSROOM 2	VCT-1	RB	PT1	PT1	PT1	PT1	A	
123	JANITOR	FT1	TBMT	EPT1	EPT1	EPT1	EPT1	B	
124	MENS	FT1	MT	WT1	WT1	WT1	WT1	B	
125	WOMENS	FT1	MT	WT1	WT1	WT1	WT1	B	
126	STO.	FT1	TBMT	PT1	PT1	PT1	PT1	B	
127	SHIP	CPT-1	RB	PT1	PT1	PT1	PT1	A	
128	COMPUTER LAB	VCT-1	RB	PT1	PT1	PT1	PT4	A	
129	VESTIBULE	WCT-1	RB	PT1	PT1	PT1	PT1	A	
130	VESTIBULE	WCT-1	RB	PT1	PT1	PT1	PT1	B	
131	CORRIDOR	LVT	RB	PT1	PT1	PT1	PT1	D,J/PT2	
200	VESTIBULE	WCT-1	RB	PT1	PT1	PT1	PT1	D,J/PT2	
201	LOBBY	LVT	RB	PT1	PT1	PT1	PT1	D,J/PT2	
202	FLEX OFFICE	CPT-1	RB	PT1	PT1	PT3	PT1	A	
203	COOP OFFICE 10	CPT-1	RB	PT1	PT1	PT3	PT1	A	
204	COOP OFFICE 2	CPT-1	RB	PT1	PT1	PT3	PT1	A	
205	COOP OFFICE 9	CPT-1	RB	PT1	PT1	PT1	PT1	A	
206	COOP OFFICE 11	CPT-1	RB	PT1	PT1	PT3	PT1	A	
207	COOP OFFICE 8	CPT-1	RB	PT1	PT1	PT3	PT1	A	
208A	4H STORAGE	CPT-1	RB	PT1	PT1	PT1	PT1	A	
208B	ELEC.	VCT-1	RB	PT1	PT1	PT1	PT1	K/PT2	
209	COOP OFFICE 7	CPT-1	RB	PT3	PT1	PT1	PT1	A	
210	COOP OFFICE 6	CPT-1	RB	PT1	PT1	PT3	PT1	A	
211	MECHANICAL	SC	RB	PT1	PT1	PT1	PT1	K/PT2	
212	COOP OFFICE 5	CPT-1	RB	PT1	PT1	PT1	PT3	A	
213	COOP OFFICE 4	CPT-1	RB	PT1	PT1	PT1	PT1	A	
214	WORK ROOM	VCT-2	RB	PT1	PT1	PT4	PT1	A	
215	COOP OFFICE 3	CPT-1	RB	PT1	PT1	PT1	PT1	A	
216	BREAK ROOM	VCT-2	RB	PT1	PT1	PT4	PT1	A	
217	COOP OFFICE 2	CPT-1	RB	PT1	PT1	PT1	PT3	A	
218	COOP OFFICE 1	CPT-1	RB	PT1	PT1	PT1	PT1	A	
219	AGHORT STO.	VCT-1	RB	PT1	PT1	PT1	PT1	A	
220A	STO	VCT-1	RB	PT1	PT1	PT1	PT1	A	
220B	PANTRY	CPT-1	RB	PT1	PT1	PT1	PT1	A	
221	TRAINING SPACE	LVT	RB	PT1	PT1	PT1	PT1	J/PT2	
222	TRAINING SPACE	LVT	RB	PT1	PT1	PT1	PT1	J/PT2	
224	CHAIR STO.	VCT-1	RB	PT1	PT1	PT1	PT1	A	
230	S & W OFFICE 3	CPT-1	RB	PT3	PT1	PT1	PT1	A	
231	S & W OFFICE 1	CPT-1	RB	PT3	PT1	PT1	PT1	A	
232	BREAK ROOM	VCT-2	RB	PT1	PT4	PT4	PT1	A	
233	S & W OFFICE 2	CPT-1	RB	PT3	PT1	PT1	PT1	A	
234	FILE STORAGE	CPT-1	RB	PT1	PT1	PT1	PT1	A	
235	STORAGE	CPT-1	RB	PT1	PT1	PT1	PT1	A	
236	CONFERENCE ROOM	CPT-2	RB	PT4	PT4	PT4	PT1	A	
237	STORAGE	CPT-1	RB	PT1	PT1	PT1	PT1	A	
240	JANITOR	FT1	TBMT	EPT1	EPT1	EPT1	EPT1	B	
241	MENS	FT1	MT	WT1	WT1	WT1	WT1	B	
242	WOMENS	FT1	MT	WT1	WT1	WT1	WT1	B	
243	STO	FT1	TBMT	PT1	PT1	PT1	PT1	B	
244	LAUNDRY	FT1	TBMT	EPT1	EPT1	EPT1	EPT1	B	
245	MEN SHOWER	FT1	TBMT	WT1/EPT1	WT1	WT1/EPT1	EPT1	E/PT2	
246	WOMEN SHOWER	FT1	TBMT	WT1/EPT1	WT1	WT1/EPT1	EPT1	E/PT2	
247	IDF	VCT-1	RB	PT1	PT1	PT1	PT1	J/PT2	
248	CORRIDOR	CPT-2	RB	PT1	PT1	PT1	PT1	F/2	
249	CORRIDOR	CPT-2	RB	PT1	PT1	PT1	PT1	F/2	
250	VESTIBULE	WCT-1	RB	PT1	PT1	PT1	PT1	B	
251	OFFICE	CPT-1	RB	PT1	PT1	PT3	PT1	A	
252	OFFICE	CPT-1	RB	PT3	PT1	PT1	PT1	A	
253	OFFICE	CPT-2	RB	PT1	PT1	PT3	PT1	A	
254	OFFICE	CPT-2	RB	PT3	PT1	PT1	PT1	A	
255	CORRIDOR	VCT-1	RB	PT1	PT1	PT1	PT1	D/PT2	

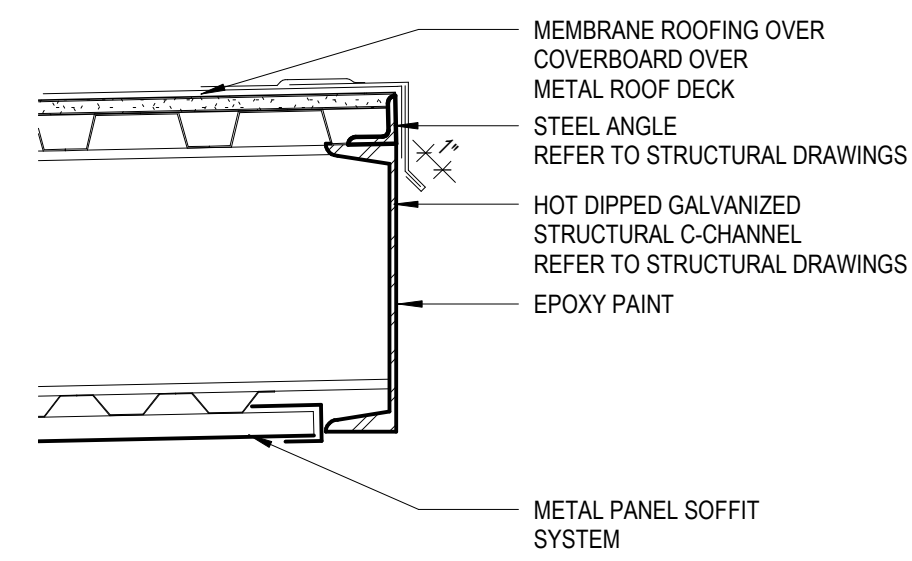
ROOM NAME	ROOM NUMBER	TYPE	COPY	NOTES
VESTIBULE	100			
LOBBY	101			
RECEPTION	102	C	RECEPTION	
CORRIDOR	102A	N	AUTHORIZED PERSONNEL ONLY	
VENDING	103	C	VENDING	
OPEN OFFICE AREA	104	N	AUTHORIZED PERSONNEL ONLY	EXTERIOR AND INTERIOR SIGN
OFFICE	104A	B		
OFFICE	104B	B		
ADMIN. STO.	104C	C	ADMINISTRATION STORAGE	
OFFICE	104D	B		
CONFERENCE ROOM	104E	C	CONFERENCE ROOM	PROVIDE BACK PLATE
OFFICE	104F	B		
BREAK ROOM	104G	C	BREAK ROOM	PROVIDE BACK PLATE
ADMIN. STO.	104H	C	ADMINISTRATION STORAGE	
WOMEN TLT	104I	D	WOMEN'S RESTROOM	
MEN TLT	104J	D	MEN'S RESTROOM	
CONGREGATE DINING	105A	C,N	CONGREGATE DINING	EXTERIOR SIGN
VESTIBULE	106A	N	AUTHORIZED PERSONNEL ONLY	EXTERIOR SIGN
STAFF TLT	106B	H	UNISEX STAFF RESTROOM	
OFFICE	106C	B		
OFFICE	106D	B		
MECH.	107	C	MECHANICAL/ELECTRICAL	
IDF	108	C		
KITCHEN	109	C	KITCHEN	
PANTRY	109A	C	PANTRY	
STORAGE	110	C	STORAGE	
MECHANICAL	111	C	MECHANICAL	
MECHANICAL/ELECTRICAL	112	C	MECHANICAL/ELECTRICAL	
OPEN OFFICE WORK AREA	113	B		
OFFICE	113A	B		
LAUNDRY	113B	C	BREAK ROOM	
SHOWER	113C	E	UNISEX RESTROOM / SHOWER	
LAUNDRY ROOM	113D	C	LAUNDRY ROOM	
FILE ROOM	113E	C	FILE ROOM	
CORRIDOR	113F	N	AUTHORIZED PERSONNEL ONLY	
IN HOME STORAGE	114	C	IN HOME STORAGE	
ADULT DAY ROOM	115	N	AUTHORIZED PERSONNEL ONLY	
ACTIVITY KITCHEN	115A	C	ACTIVITY STORAGE	
MENS	115B	D	MEN'S RESTROOM	
WOMENS	115C	D	WOMEN'S RESTROOM	
ADC VESTIBULE	115D			

ALTERNATE ROOF LEGEND:

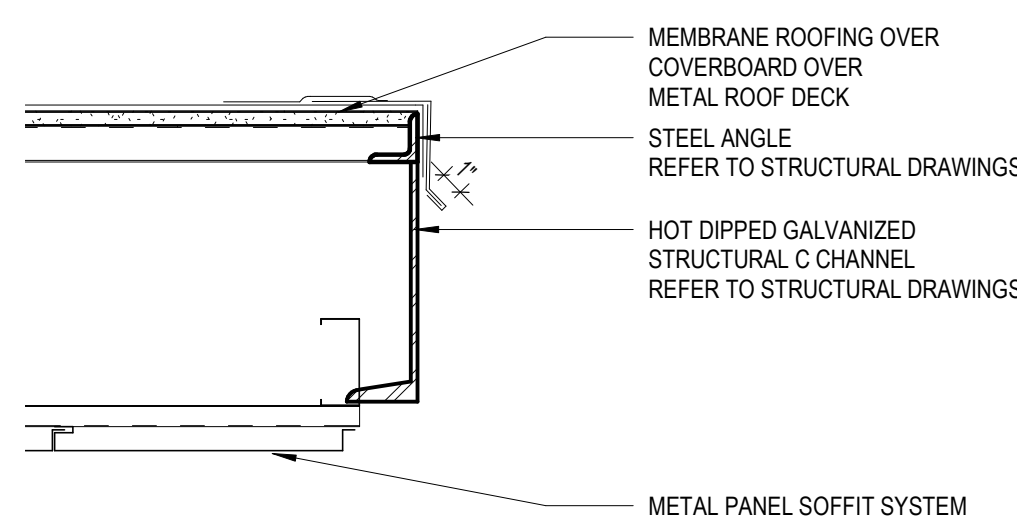
	INDICATES DIRECTION OF ROOF SLOPE ACHIEVED THROUGH SLOPE OF STRUCTURE
DS	PREFINISHED ALUMINUM DOWNSPOUT, TYPICAL

ALTERNATE ROOF TYPES LEGEND:

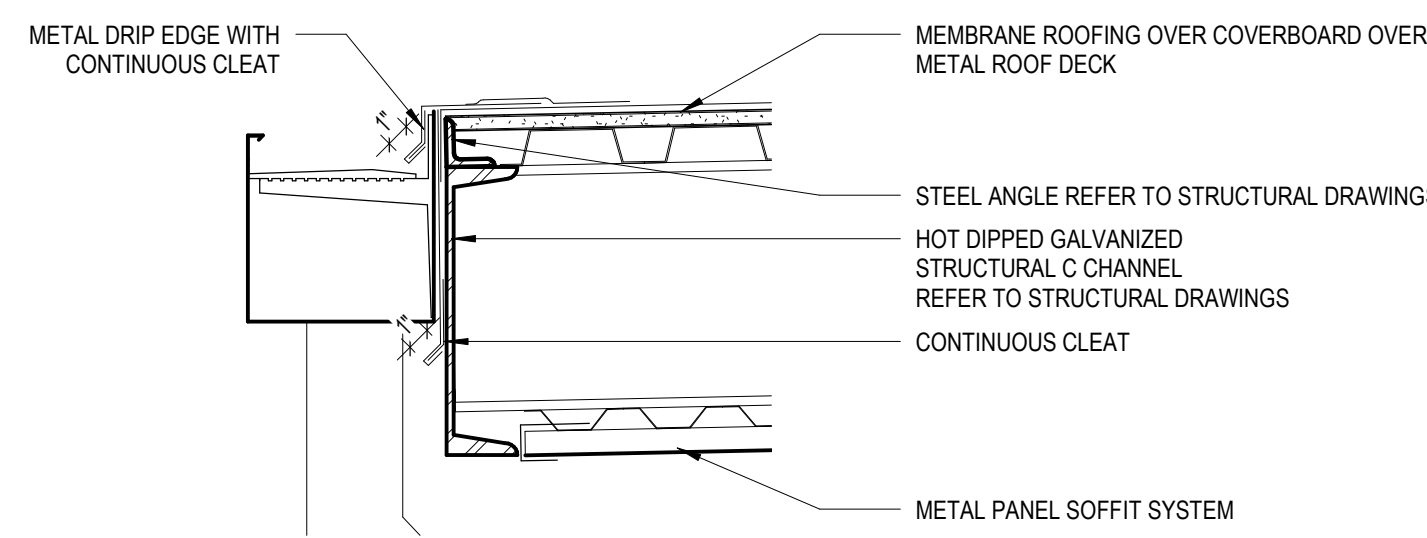
C	ROOF TYPE: ROOF MEMBRANE SYSTEM OVER COVER BOARD OVER NEW METAL ROOF DECK
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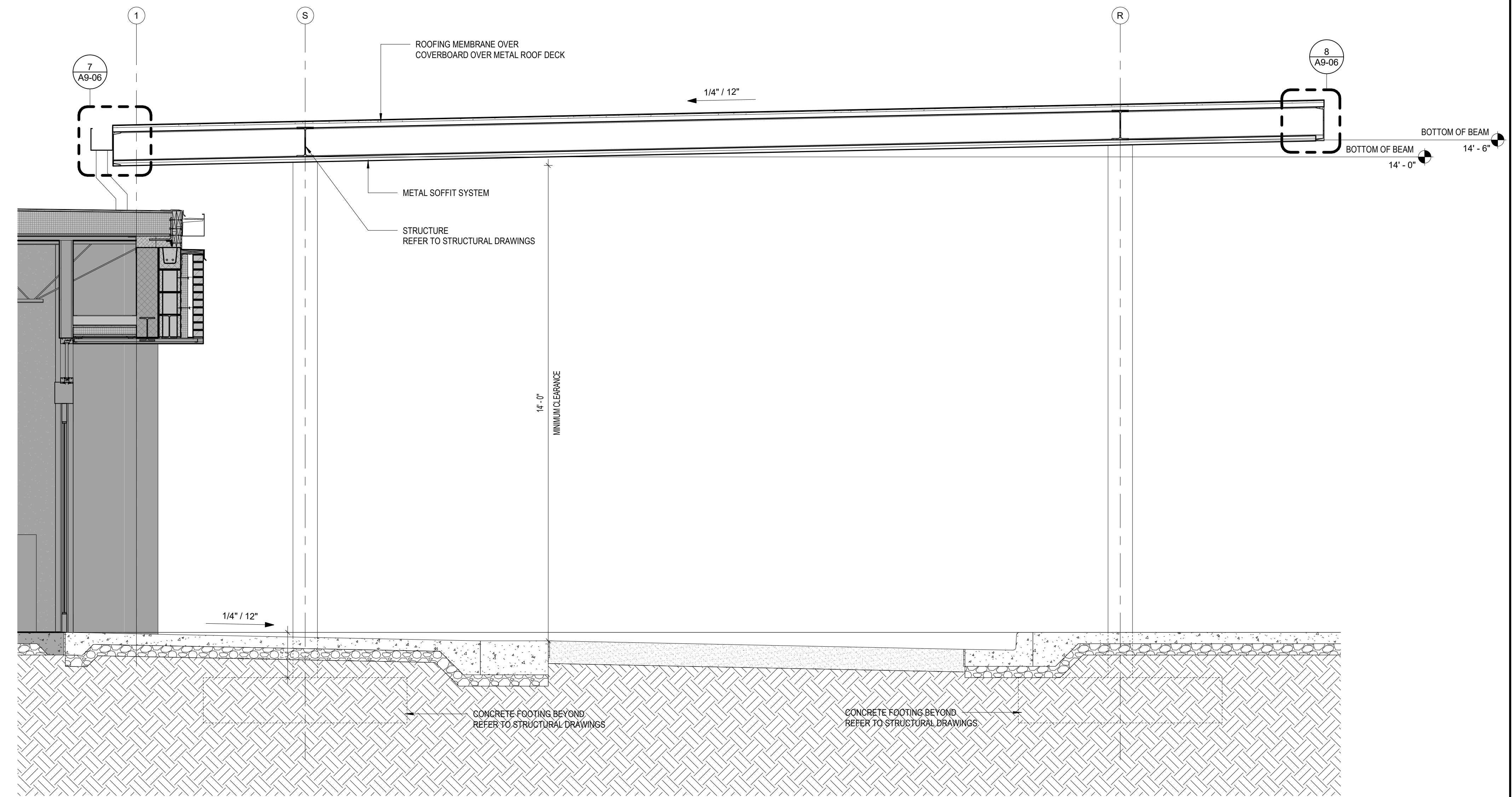
8 COVERING EDGE DETAIL
A9-06 1 1/2" = 1'-0"



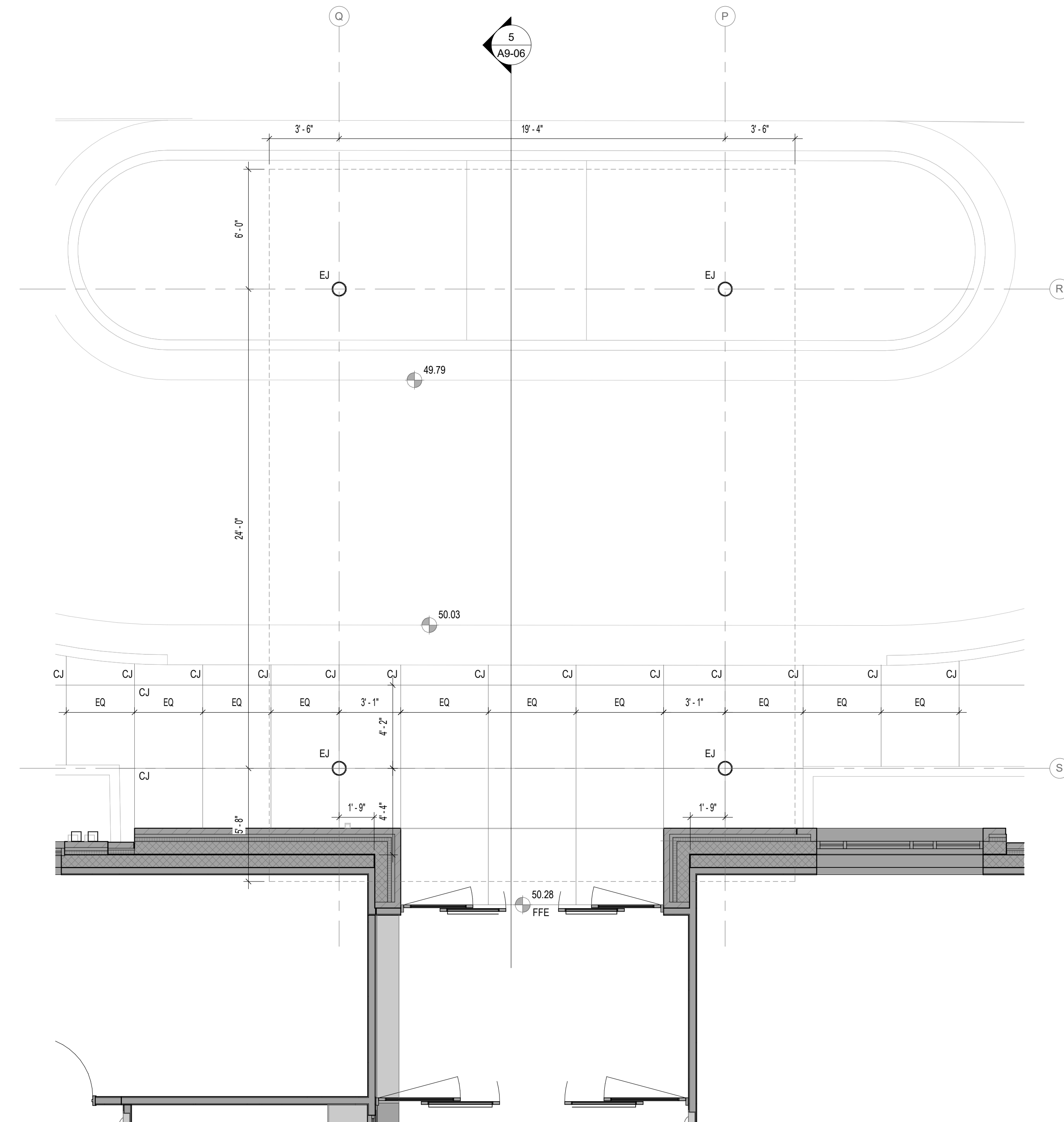
6 COVERING EDGE DETAIL
A9-06 1 1/2" = 1'-0"



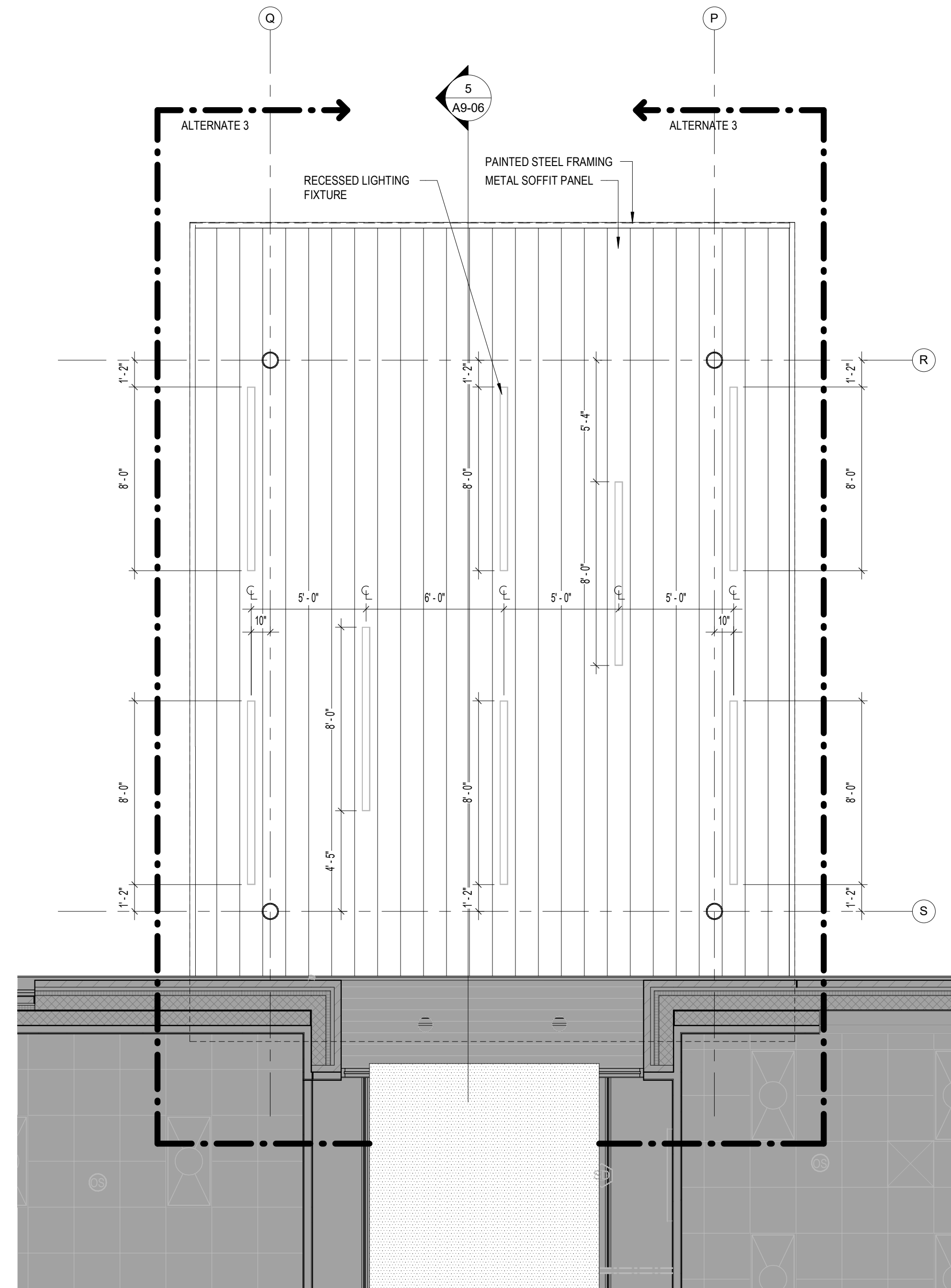
7 COVERING EDGE DETAIL
A9-06 1 1/2" = 1'-0"



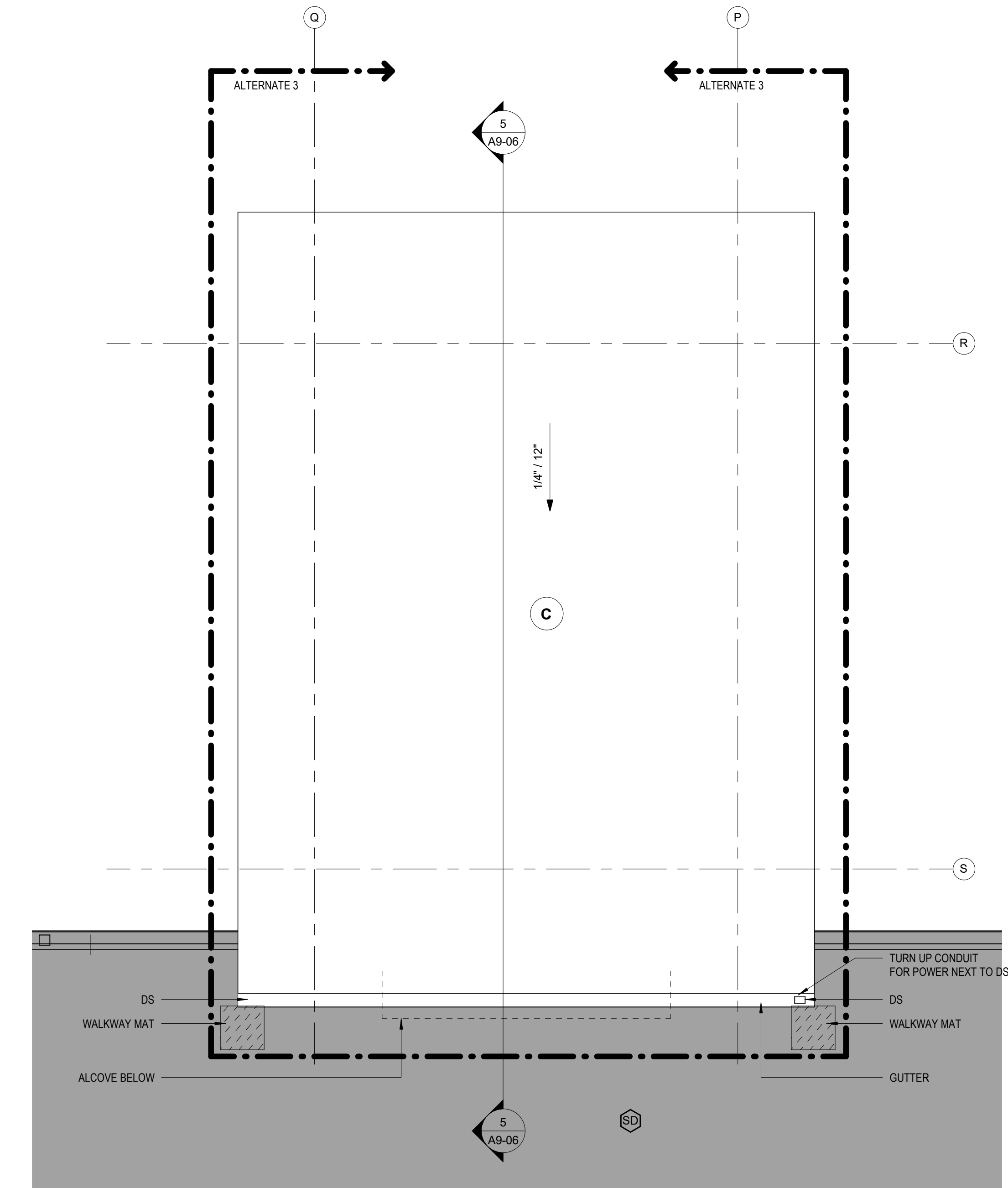
5 ALTERNATE 3 - WALKWAY COVERING SECTION
A9-06 1/2" = 1'-0"



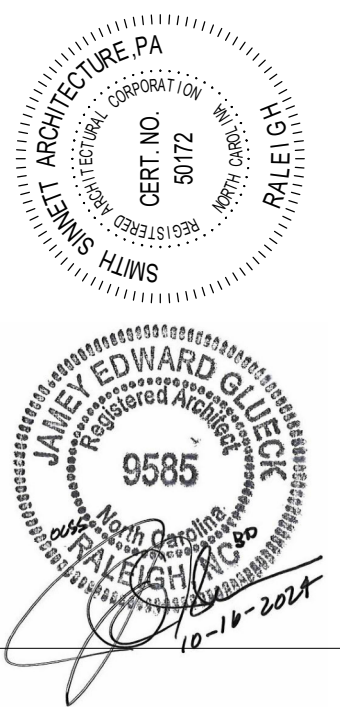
1 ALTERNATE 3 - FLOOR PLAN
A9-06 1/4" = 1'-0"



2 ALTERNATE 3 - REFLECTED CEILING PLAN
A9-06 1/4" = 1'-0"



3 ALTERNATE 3 - ROOF PLAN
A9-06 1/4" = 1'-0"



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THIS DRAWING IS CONSIDERED TO BE PRINTED ON A 30" X 42" SHEET

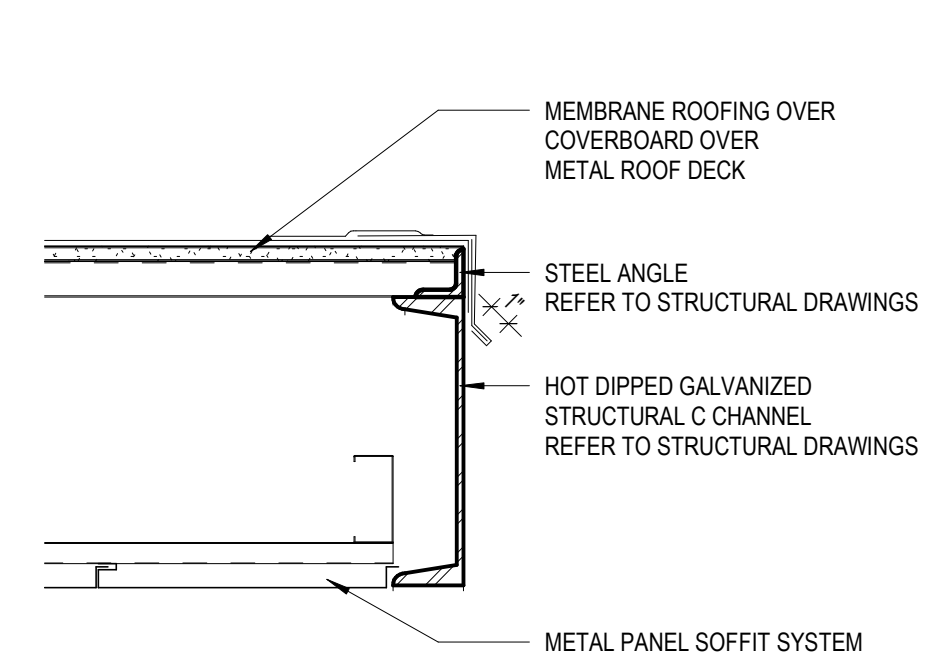
**Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540**

ID	DATE	DESCRIPTION

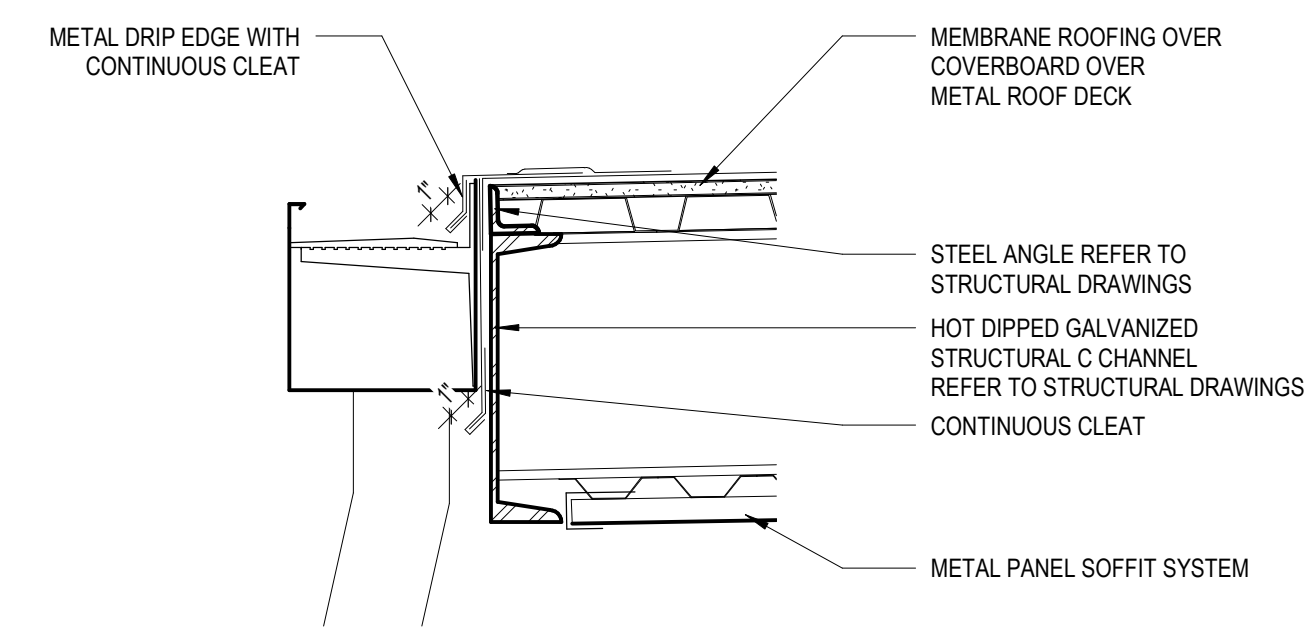
DRAWN BY: FANB, JP
CHECKED BY: JEG

**ALTERNATE 3 -
MAIN ENTRANCE
CANOPY - PLANS
AND DETAILS**
2021029 16 OCT. 2024

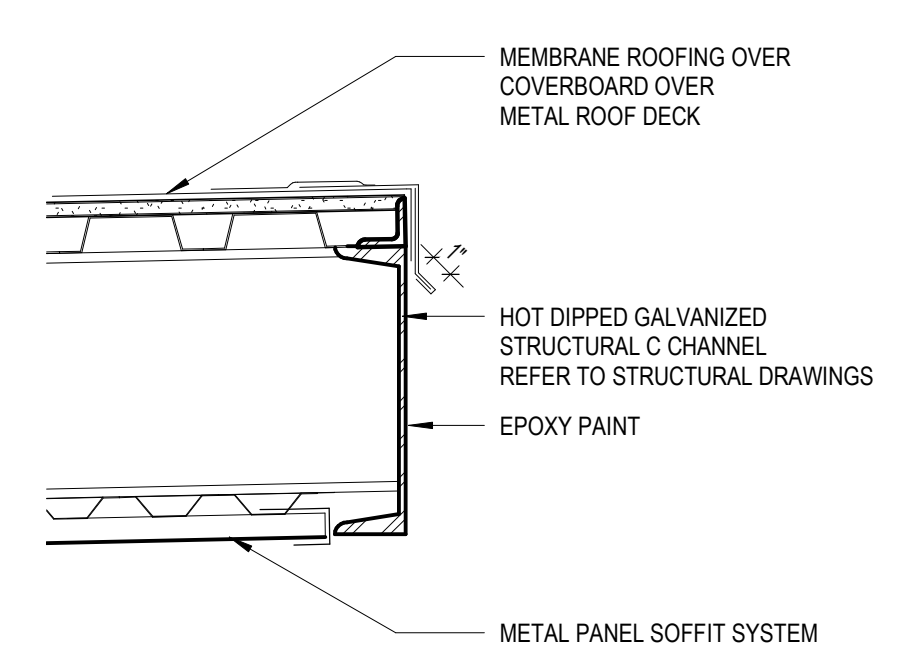
ALTERNATE ROOF LEGEND:	
	INDICATES DIRECTION OF ROOF SLOPE ACHIEVED THROUGH SLOPE OF STRUCTURE
DS	PREFINISHED ALUMINUM DOWNSPOUT, TYPICAL
ALTERNATE ROOF TYPES LEGEND:	
C	ROOF TYPE: ROOF MEMBRANE SYSTEM OVER COVER BOARD OVER NEW METAL ROOF DECK
GENERAL NOTES:	
1.	IF ALTERNATE 4 CANOPY IS ACCEPTED, BASE BID WALKWAY COVERING SHALL BE DELETED



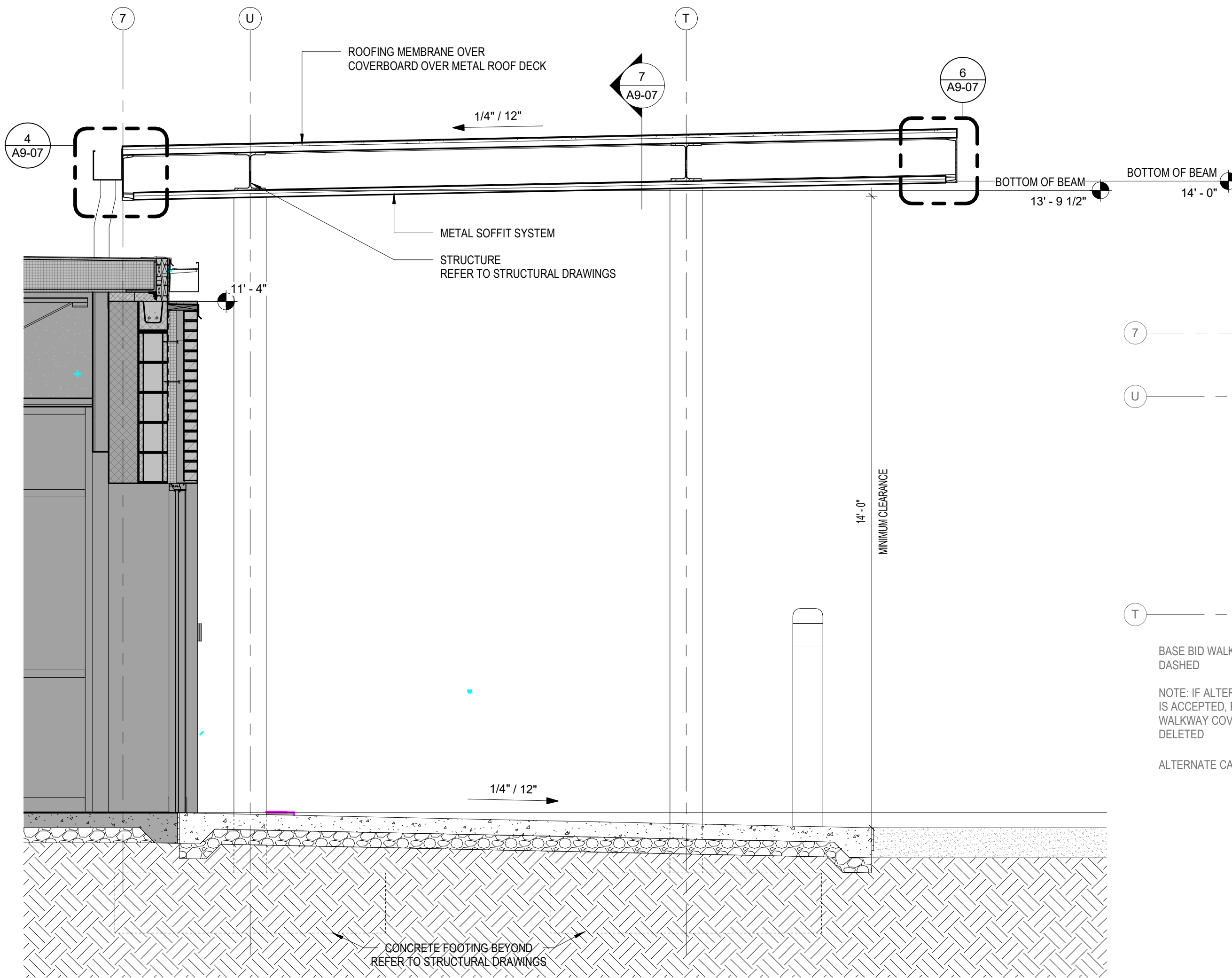
7
A9-07 **COVERING EDGE DETAIL**
1 1/2" = 1'-0"



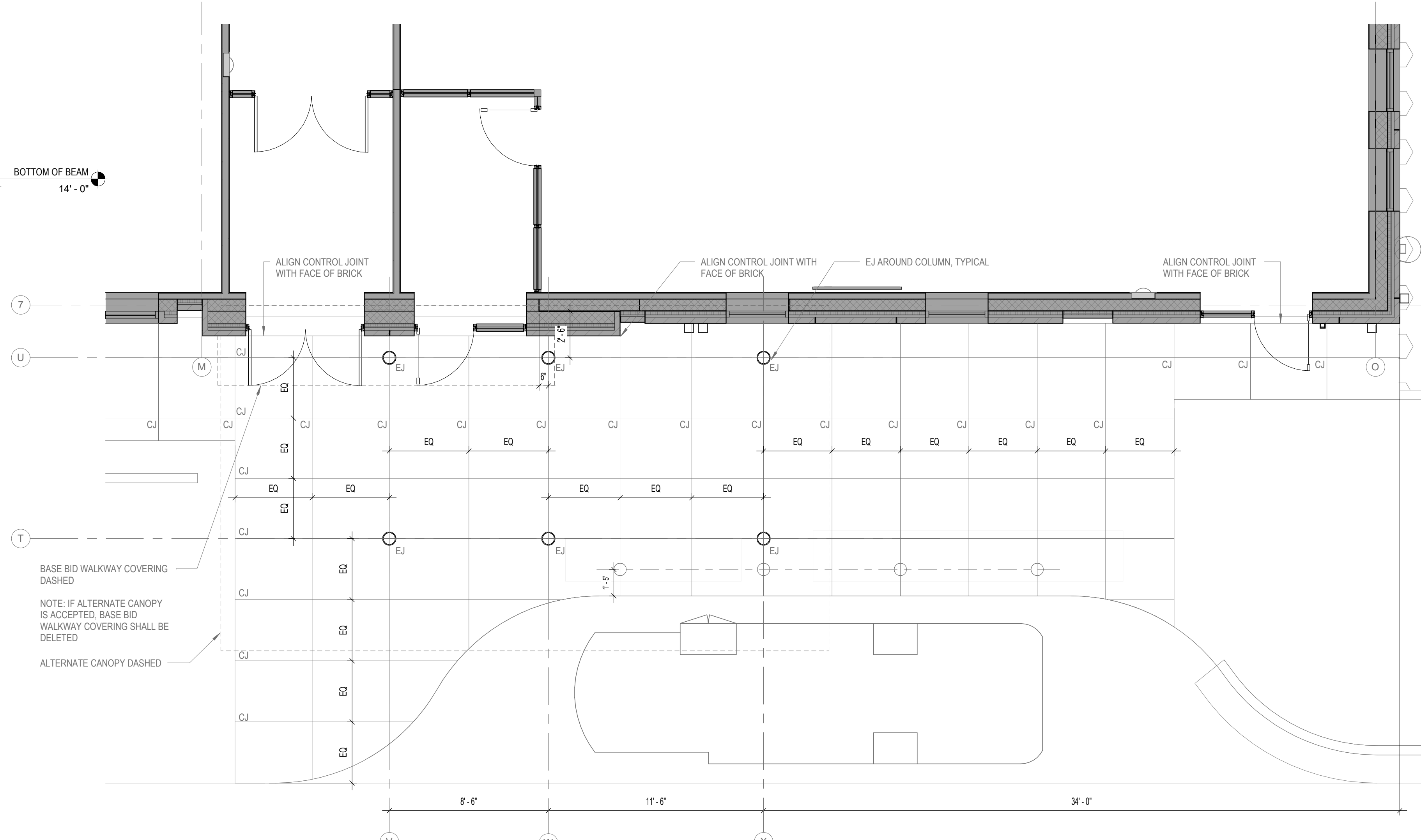
4
A9-07 **COVERING EDGE DETAIL**
1 1/2" = 1'-0"



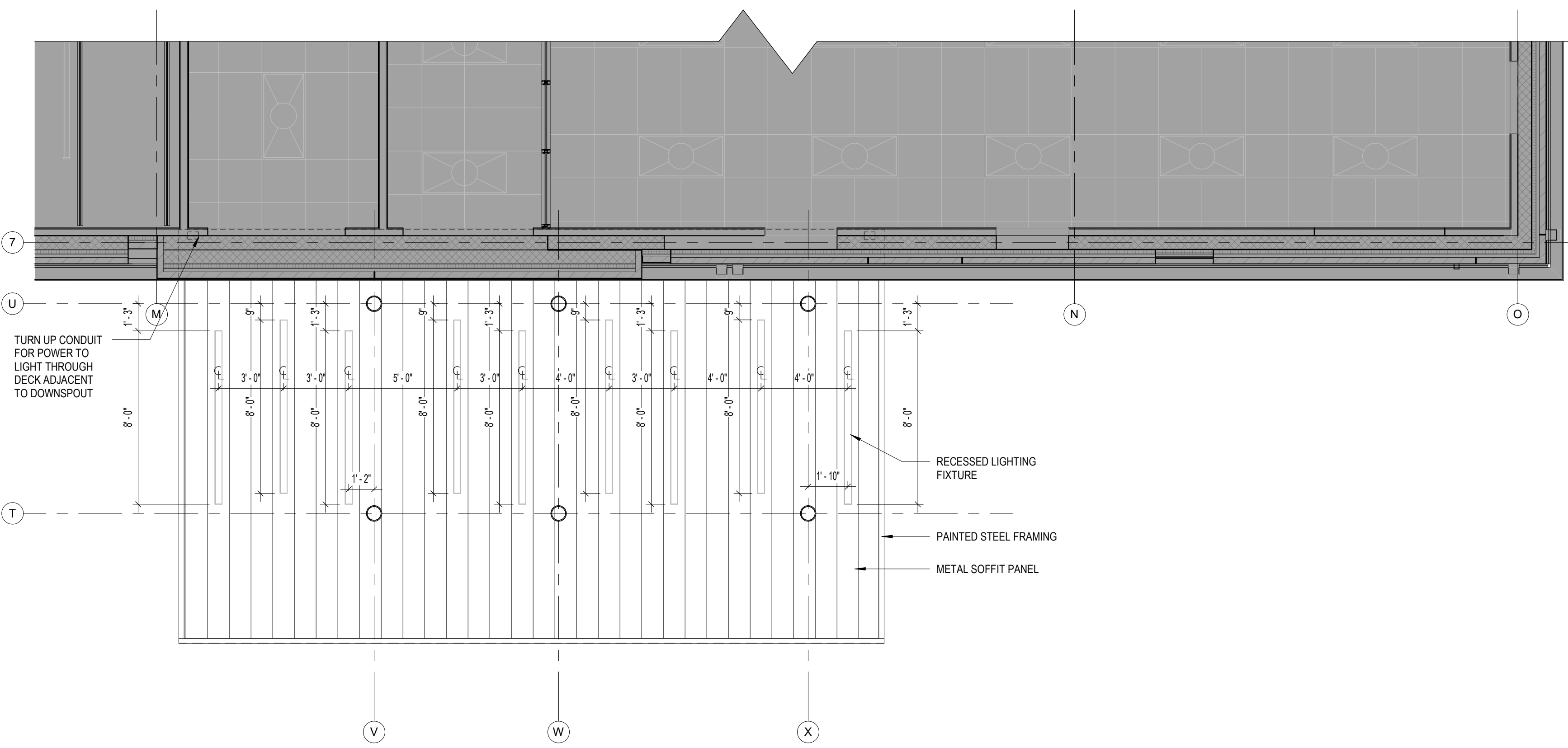
6
A9-07 **COVERING EDGE DETAIL**
1 1/2" = 1'-0"



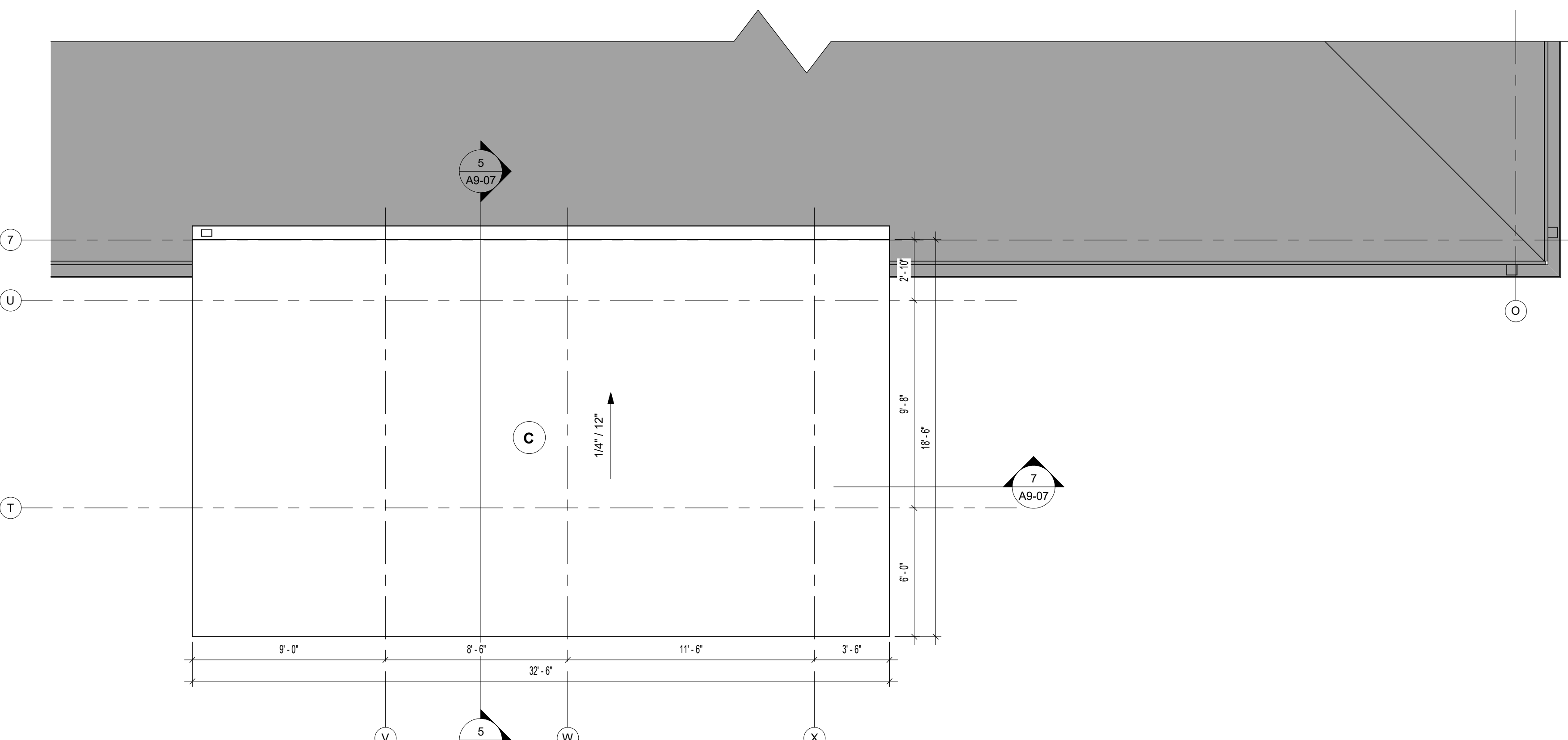
5
A9-07 **ALTERNATE 4 - WALKWAY COVERING SECTION**
1/2" = 1'-0"



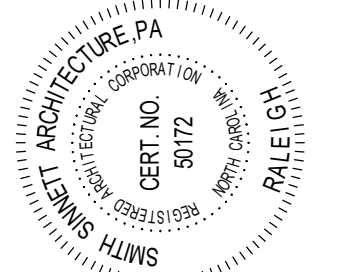
1
A9-07 **ALTERNATE 4 - FLOOR PLAN**
1/4" = 1'-0"



2
A9-07 **ALTERNATE 4 - REFLECTED CEILING PLAN**
1/4" = 1'-0"



3
A9-07 **ALTERNATE 4 - ROOF PLAN**
1/4" = 1'-0"



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BID DOCUMENTS

Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

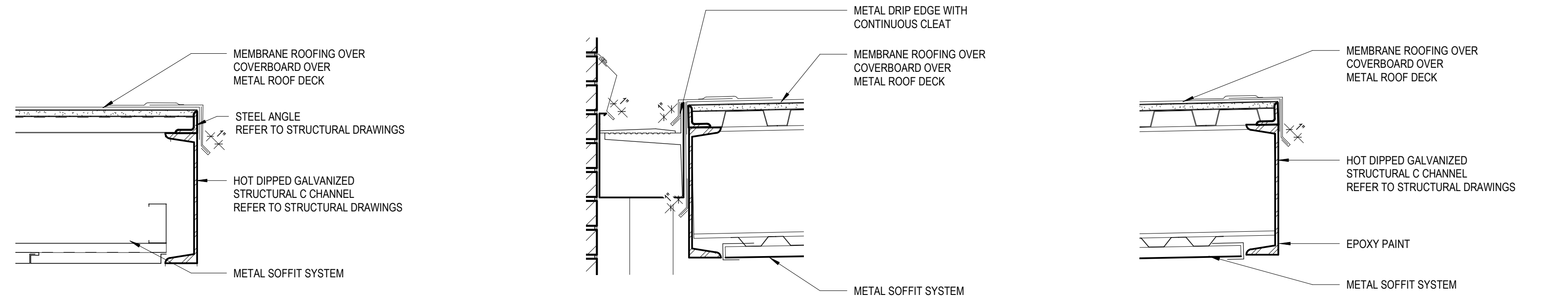
ID	DATE	DESCRIPTION

DRAWN BY: FANB, JP
CHECKED BY: JEG

ALTERNATE 4 -
ADULT DAY CARE
CANOPY - PLANS
AND DETAILS

2021029 16 OCT. 2024

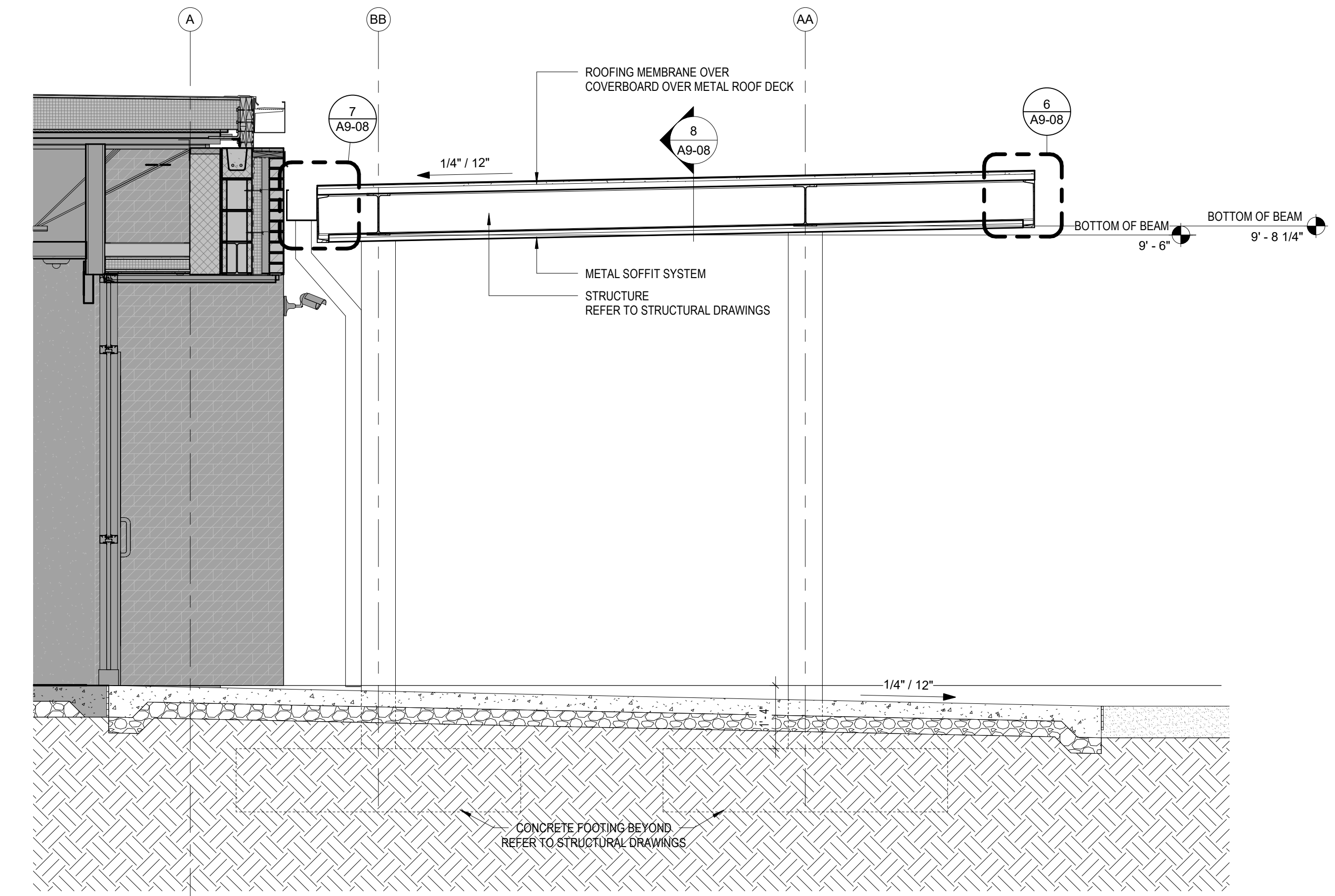
ALTERNATE ROOF LEGEND:	
	INDICATES DIRECTION OF ROOF SLOPE ACHIEVED THROUGH SLOPE OF STRUCTURE
DS	PREFINISHED ALUMINUM DOWNSPOUT, TYPICAL
ALTERNATE ROOF TYPES LEGEND:	
C	ROOF TYPE: ROOF MEMBRANE SYSTEM OVER COVER BOARD OVER NEW METAL ROOF DECK



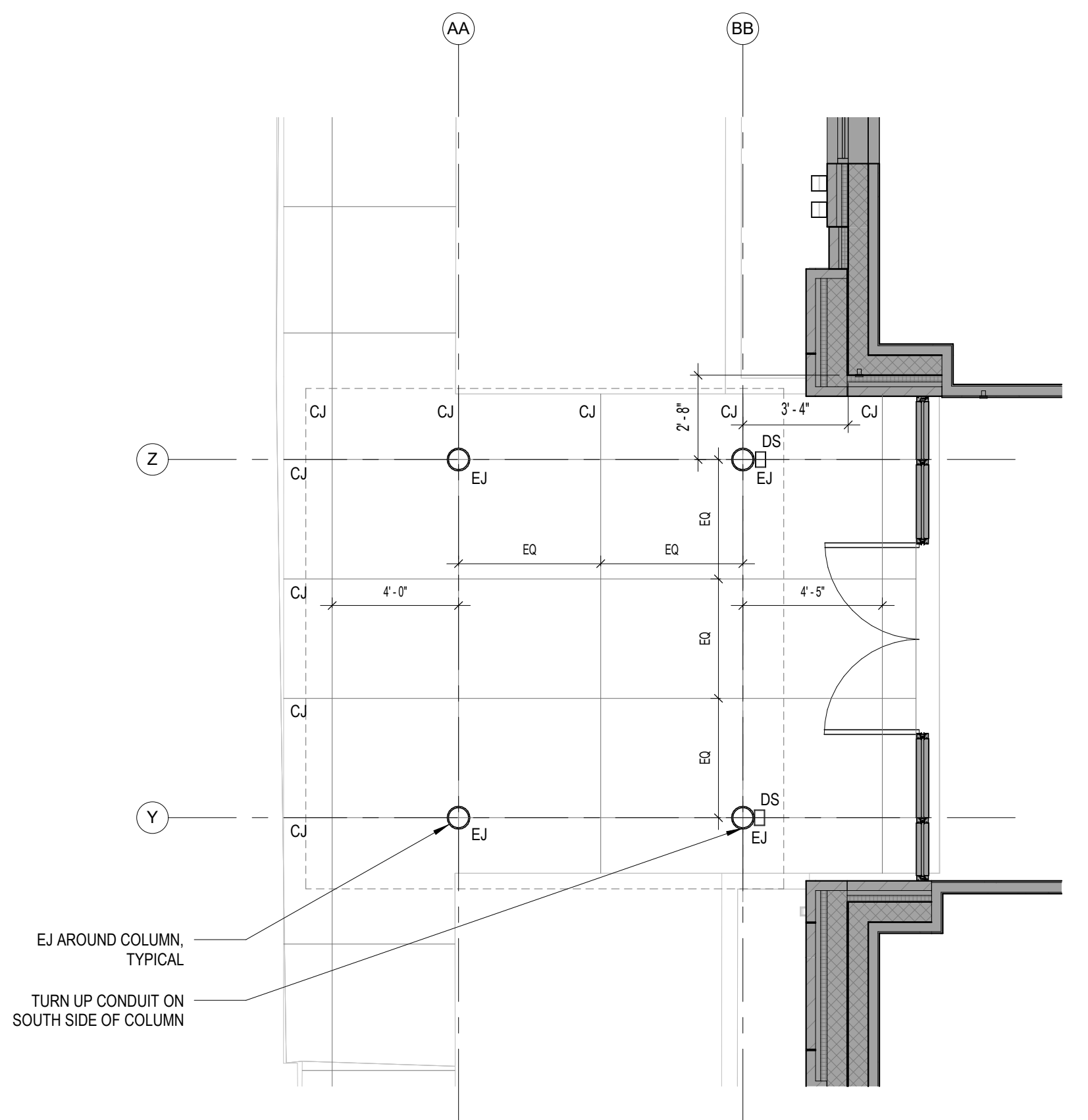
8
A9-08 **COVERING EDGE DETAIL**
1 1/2" = 1'-0"

7
A9-08 **COVERING EDGE DETAIL**
1 1/2" = 1'-0"

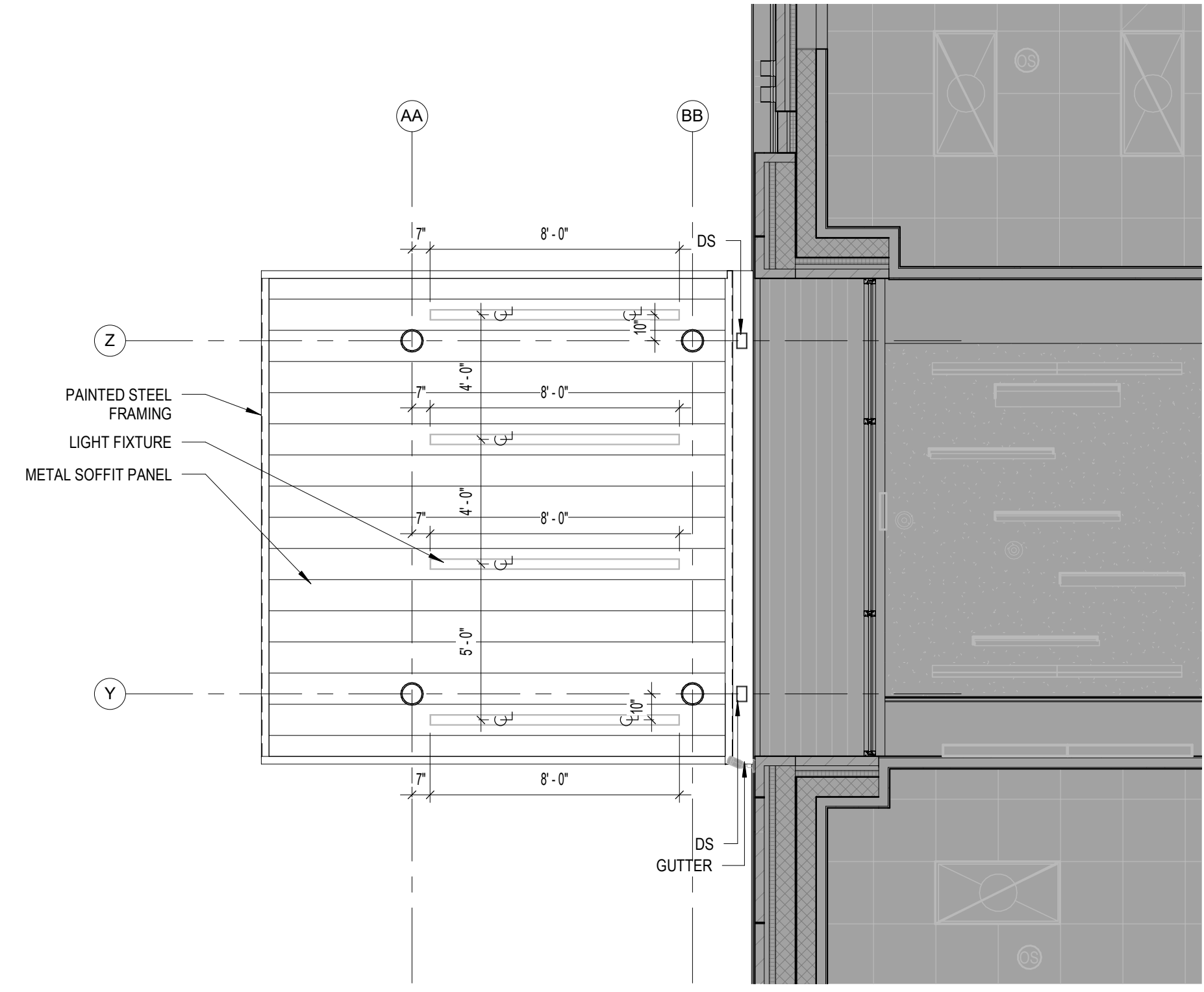
6
A9-08 **COVERING EDGE DETAIL**
1 1/2" = 1'-0"



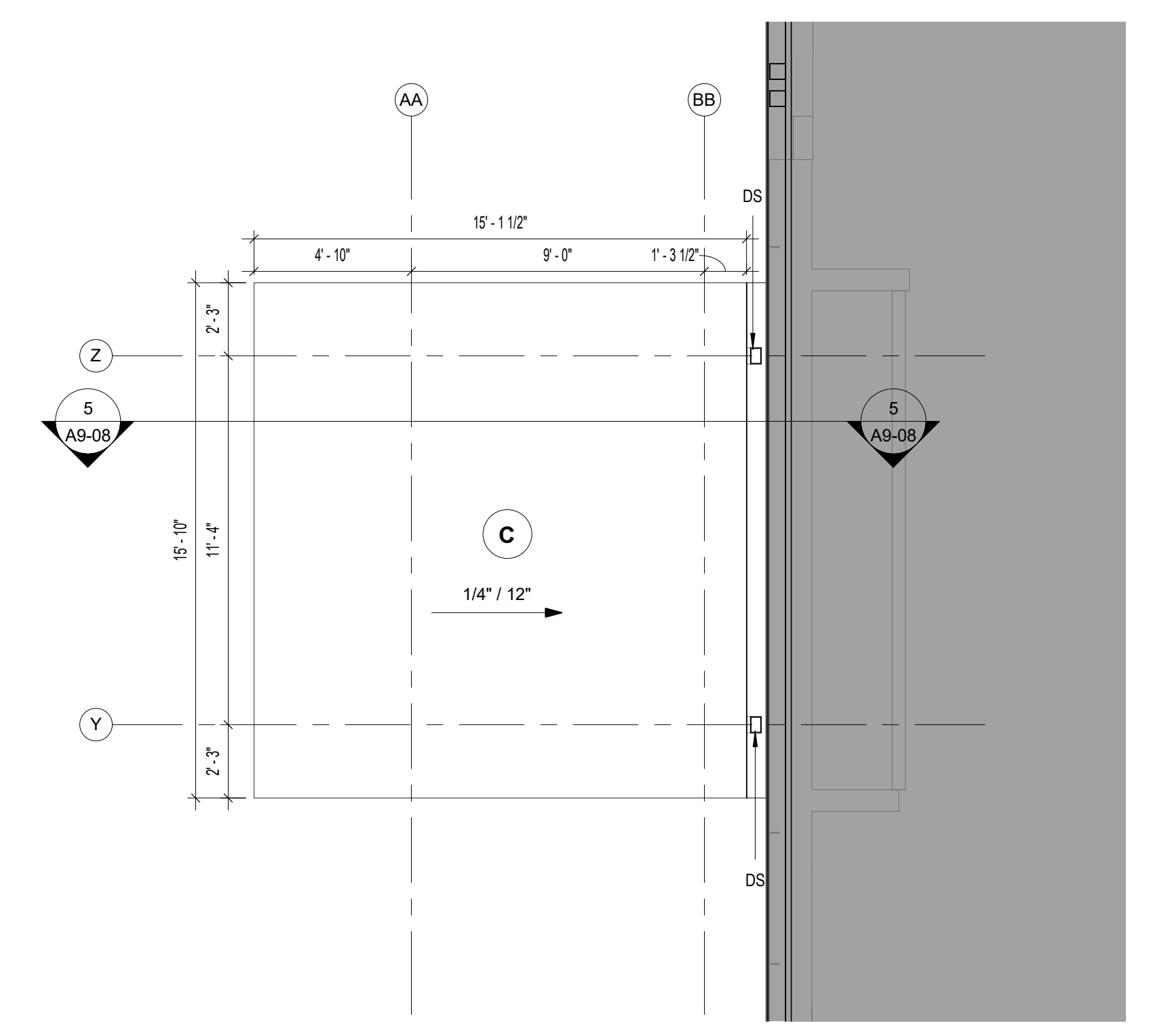
5
A9-08 **ALTERNATE 5 - WALKWAY COVERING SECTION**
1/2" = 1'-0"



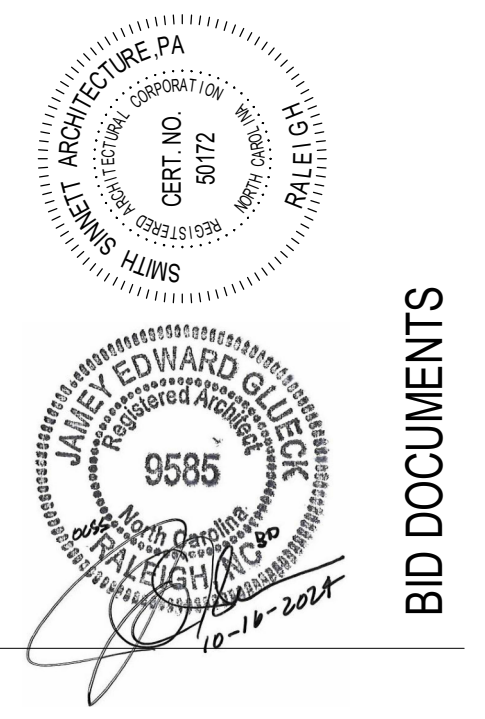
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A9-08 **ALTERNATE 5 - FLOOR PLAN**
1/4" = 1'-0"



2
A9-08 **ALTERNATE 5 - REFLECTED CEILING PLAN**
1/4" = 1'-0"



3
A9-08 **ALTERNATE 5 - ROOF PLAN**
1/4" = 1'-0"



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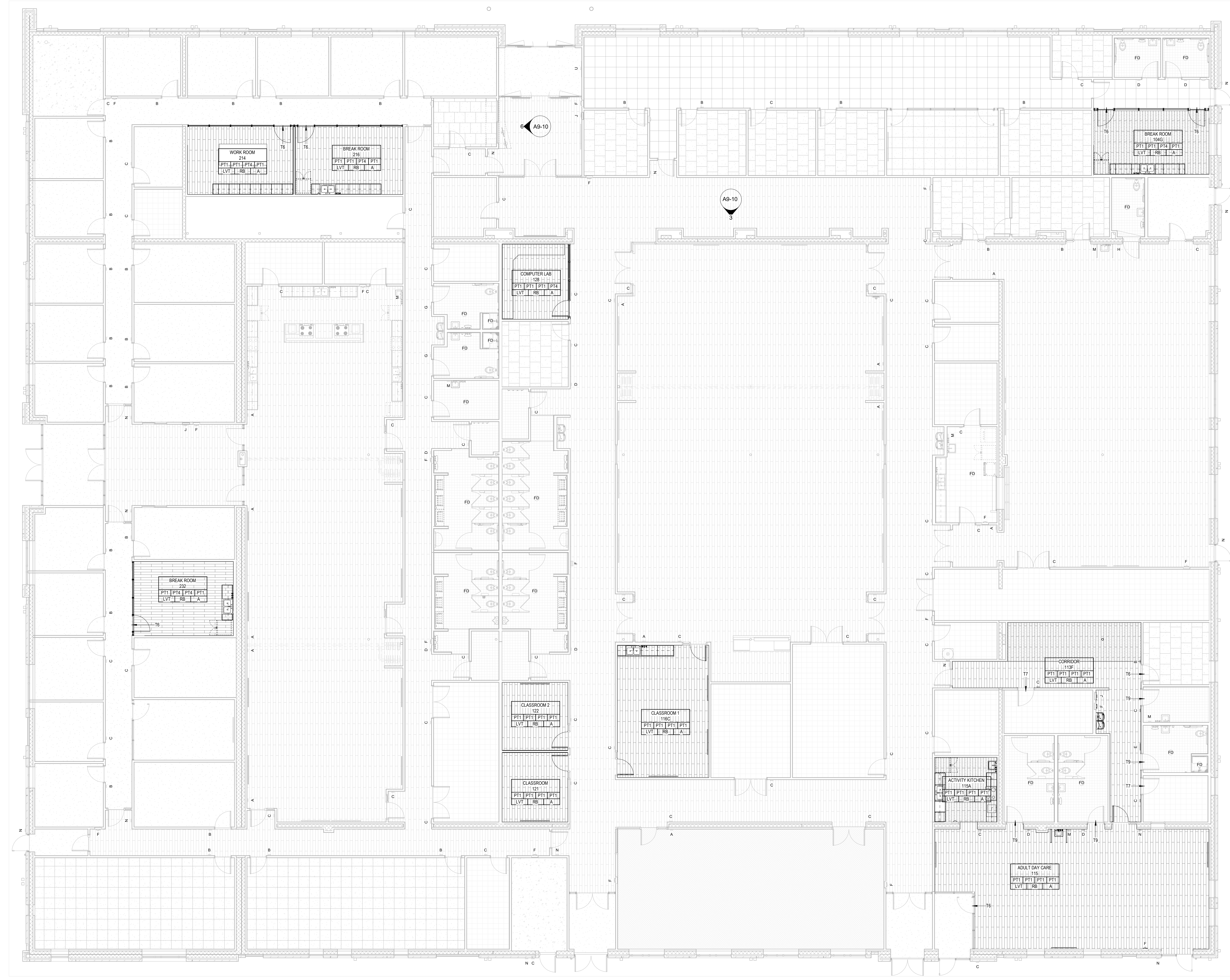
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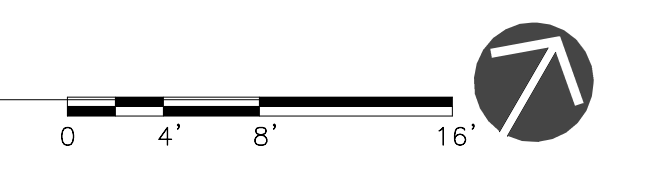
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CHECKED BY: JEG

**ALTERNATE 5 -
WEST ENTRANCE
CANOPY - PLANS
AND DETAILS**
2021029 16 OCT. 2024

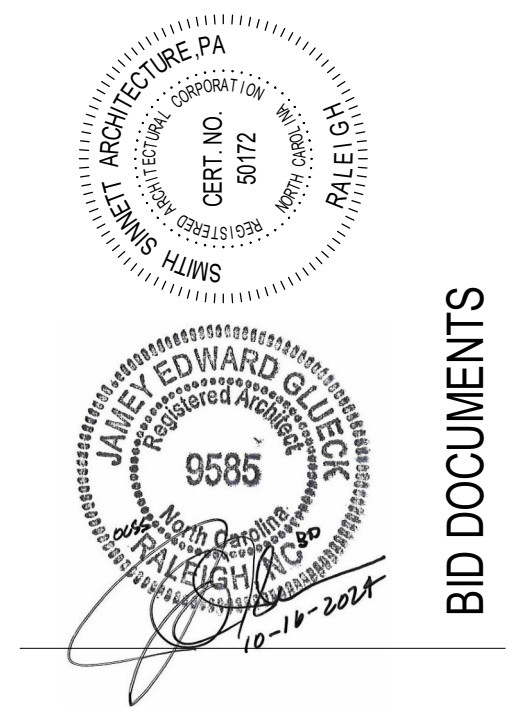
FINISH LEGEND													
WALL FINISHES BASED ON PLAN LOCATION	<table border="1"> <tr> <td>ROOM NAME</td> <td>ROOM NUMBER</td> <td>INDICATES ACCENT PAINT OR WALL TILE</td> </tr> <tr> <td>north</td> <td>east</td> <td>INDICATES WALL TO RECEIVE LEVEL 5 GWB FINISH</td> </tr> <tr> <td>south</td> <td>west</td> <td></td> </tr> <tr> <td>room</td> <td>door</td> <td></td> </tr> </table>	ROOM NAME	ROOM NUMBER	INDICATES ACCENT PAINT OR WALL TILE	north	east	INDICATES WALL TO RECEIVE LEVEL 5 GWB FINISH	south	west		room	door	
ROOM NAME	ROOM NUMBER	INDICATES ACCENT PAINT OR WALL TILE											
north	east	INDICATES WALL TO RECEIVE LEVEL 5 GWB FINISH											
south	west												
room	door												
CEILING TYPE - REFER TO REFLECTIVE CEILING PLANS (A1-20, A1-21)													
A	ACT-1, 2X2 CEILING TILE, WHITE (DO NOT PAINT)												
B	ACT-2, 2X2 VINYL COVERED TILE (DO NOT PAINT)												
D	GYPSUM WALLBOARD CEILING												
E	GYPSUM BOARD CEILING - MOISTURE RESISTANT												
J	EXPOSED EXISTING STRUCTURE - REFER TO RCP (A1-20, A1-21) FOR SPECIFICS												
K	EXPOSED EXISTING STRUCTURE - REFER TO RCP (A1-20, A1-21) FOR SPECIFICS												
L	EXPOSED EXISTING STRUCTURE - REFER TO RCP (A1-20, A1-21) FOR SPECIFICS												
WALL FINISH	FLOOR FINISH												
PT-1	INTERIOR FIELD PAINT	SC	SEALED CONCRETE										
EPT-1	EPOXY FIELD/CEILING PAINT	CPT-1	CARPET TILE										
PT-2	CEILING PAINT	CPT-2	CARPET TILE										
EPT-2	EPOXY CEILING PAINT	WOT-1	WALK OFF CARPET TILE										
PT-3	ACCENT PAINT	FT1	FLOOR TILE 1 (6X6)										
PT-4	ACCENT PAINT	RAF	RESILIENT ATHLETIC FLOORING										
PT-5	ACCENT PAINT	VCT-1	VINYL COMPOSITION TILE										
PT-6	ACCENT PAINT	VCT-2	VINYL COMPOSITION TILE										
PT-7	ACCENT PAINT	LVT	LUXURY VINYL TILE										
PT-8	ACCENT BULKHEADS												
PT-9	ACCENT COLUMN PAINT												
PT-10	ACCENT PAINT												
PT-11	HM FRAME AND DOOR PAINT												
PT-12	EXTERIOR PAINT												
WT-1	WALL TILE												
WALL BASE	SURFACE FINISH												
RB	RUBBER BASE	PL-1	PLASTIC LAMINATE CASEWORK										
TB	TILE BULLNOSE	PL-2	PLASTIC LAMINATE CASEWORK										
MT	METAL TRIM - SCHLUTER DILEX-EHK	PL-3	PLASTIC LAMINATE CASEWORK										
	NOTE: ALL TILE WALL COVE TO MATCH FLOOR FINISH	PL-4	PLASTIC LAMINATE CASEWORK										
		PL-5	PLASTIC LAMINATE CASEWORK										
		SS1	SOLID SURFACE CASEWORK COUNTER										
		SS2	SOLID SURFACE CASEWORK COUNTER										
		SS3	REFER TO PLUMBING FOR CASEWORK										
THRESHOLD - REFER TO A6-02	WINDOW FINISHES												
T1	VCT TO CPT TRANSITION STRIP	SS4	WINDOW STOOL										
T2	SC TO CPT TRANSITION STRIP	RS	ROLLER SHADES										
T3	VCT TO FT TRANSITION STRIP	BO	BLACK OUT SHADE										
T4	LVT TO RAF TRANSITION STRIP												
T5	FT TO FT TRANSITION STRIP												
T6	LVT TO CPT TRANSITION STRIP												
T7	LVT TO VCT TRANSITION STRIP												
T8	CPT TO FT TRANSITION STRIP												
T9	LVT TO FT TRANSITION STRIP												
L	CORNER GUARDS												
GENERAL FINISH NOTES:													
1. ALL GYPSUM BOARD CEILINGS AND BULKHEADS UNLESS OTHERWISE NOTED SHALL BE PT-2.													
2. ALL INTERIOR EXPOSED CEILINGS UNLESS OTHERWISE NOTED SHALL BE PT-2.													
3. ALL BULKHEADS IN WET LOCATIONS SHALL BE EPT-1.													
4. EPT-1 TO BE USED ON ALL RESTROOM WALLS ABOVE AND ADJACENT TO WALL TILE.													
5. ALL SHOWER CEILINGS AND BULKHEADS SHALL BE EPT-2.													
6. FINISH MATERIALS SUBMITTED AS EQUALS TO THE BASIS OF DESIGN WILL BE APPROVED OR REJECTED BASED ON COLOR INTEGRITY AND TACTILE CHARACTERISTICS IN ADDITION TO TECHNICAL SPECIFICATIONS.													
7. FINISHES ARE CONTINGENT ON FINAL OWNER AND ARCHITECT APPROVAL.													
8. METAL FINISHING STRIPS TO BE USED ON ALL VERTICAL AND HORIZONTAL EDGES, AND CORNERS OF WALL TILE.													
9. FINISHED EDGE TILE TO BE USED AT TOP COURSE OF WALL TILE.													
10. GC TO ENSURE LEVEL FLOOR FINISH AT ALL TILE TRANSITIONS.													
11. ALL EXTERIOR WINDOWS TO HAVE ROLLER SHADE BLINDS UNLESS OTHERWISE NOTED, REFER TO SPECIFICATIONS.													
12. ALL CERAMIC TILE TO HAVE CONTROL JOINTS THAT ALIGN WITH CONTROL JOINTS IN CONCRETE SLAB.													



1
A9-09 ALTERNATE 6A - FINISH PLAN
1/8" = 1'-0"



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info@smithsinnett.com



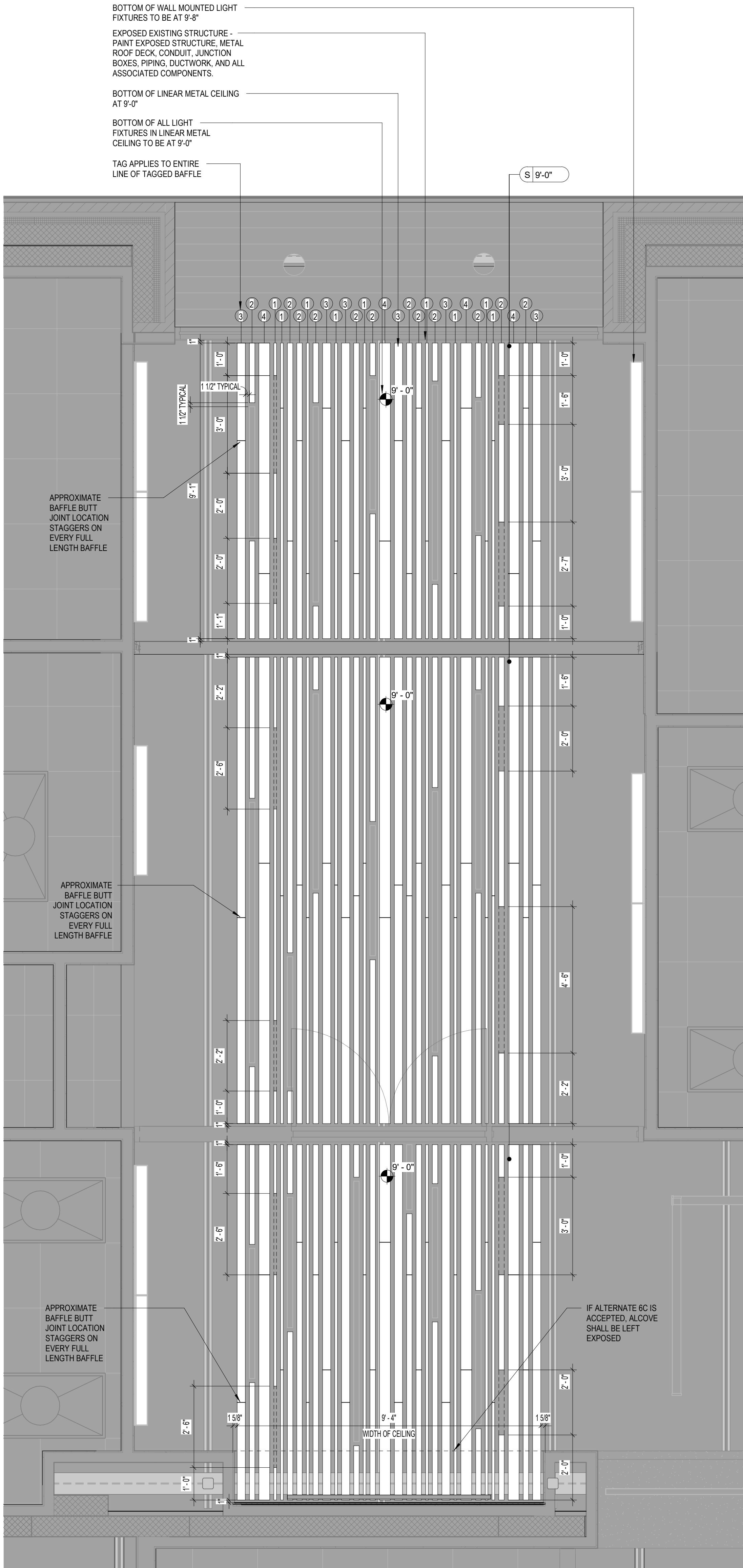
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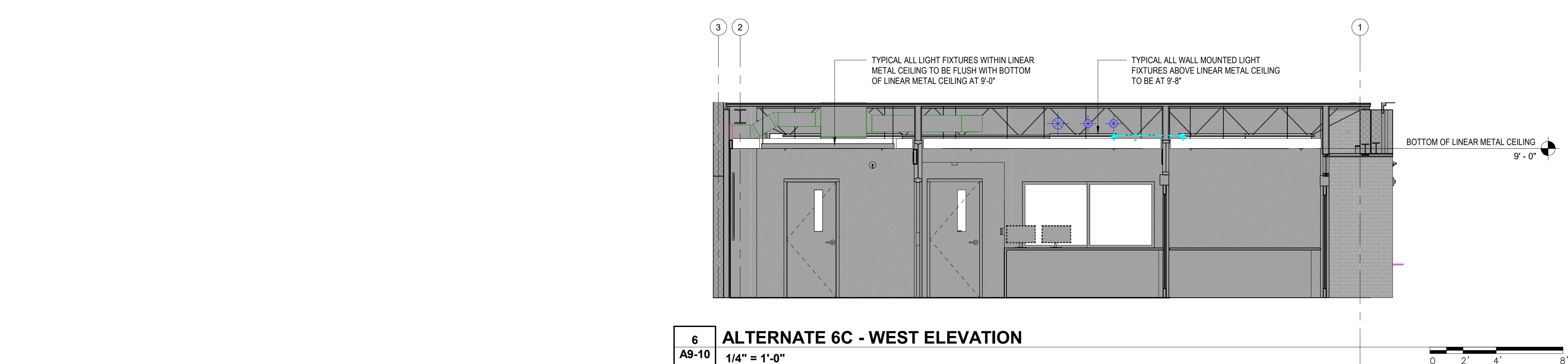
ID	DATE	DESCRIPTION

DRAWN BY: FA, NB, JP
CHECKED BY: JEG
ALTERNATE 6A -
UPGRADED FLOOR
FINISH - FINISH
FLOOR PLAN
2021029 16 OCT. 2024

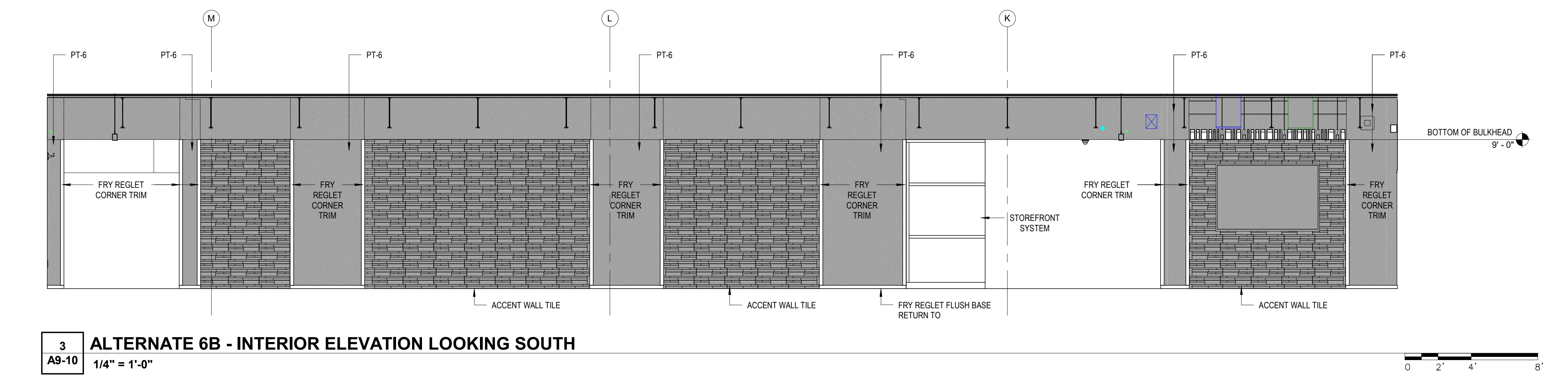
- ALTERNATE 6C LEGEND**
- ① 1 INCH WIDE CEILING BAFFLE
 - ② 2 INCH WIDE CEILING BAFFLE
 - ③ 3 INCH WIDE CEILING BAFFLE
 - ④ 4 INCH WIDE CEILING BAFFLE
 - APPROXIMATE LOCATION OF SPRINKLER HEAD
 - APPROXIMATE LOCATION OF BUTT JOINT ON FULL LENGTH BAFFLE
- GENERAL NOTES**
1. DEPTH OF BAFFLES ALL 5"
 2. IF ALTERNATE 6C IS ACCEPTED, ALCOVE SHALL BE LEFT EXPOSED. SEE 4A9-10



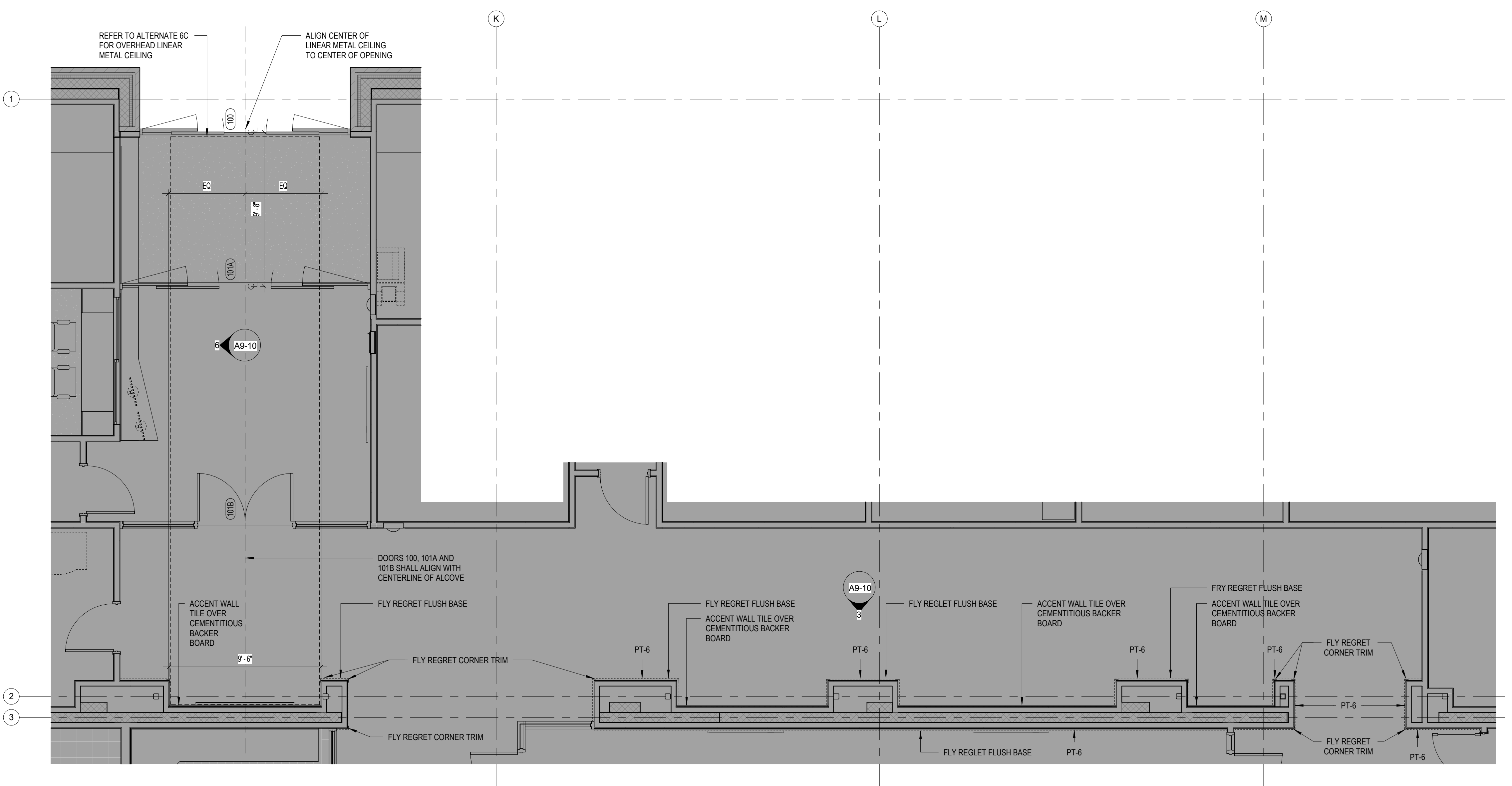
4 ALTERNATE 6C - REFLECTED CEILING PLAN
A9-10 1/2" = 1'-0"



6 ALTERNATE 6C - WEST ELEVATION
A9-10 1/4" = 1'-0"

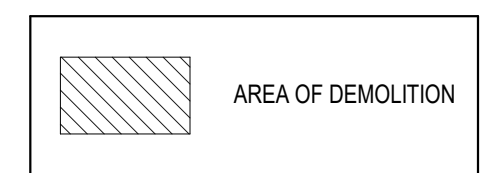


3 ALTERNATE 6B - INTERIOR ELEVATION LOOKING SOUTH
A9-10 1/4" = 1'-0"



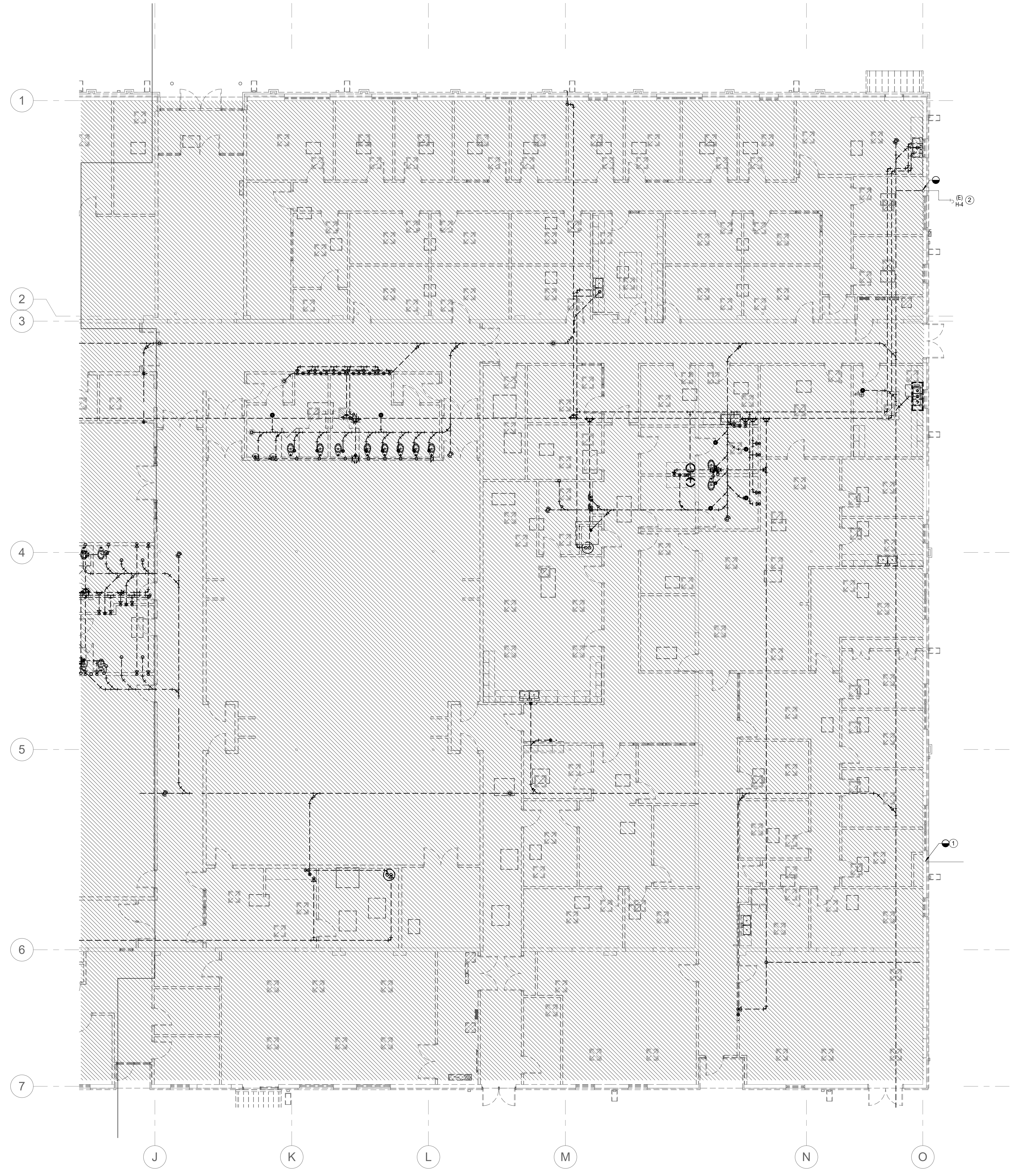
2 ALTERNATE 6B - FLOORPLAN
A9-10 1/4" = 1'-0"

ID	DATE	DESCRIPTION

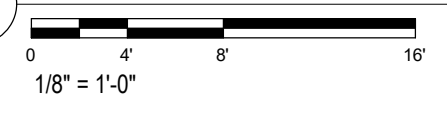


- DEMOLITION NOTES:**
- A. EXISTING CONDITIONS CREATED FROM BEST AVAILABLE INFORMATION NOTIFY ENGINEER OF DISCREPANCIES IMMEDIATELY
 - B. COORDINATE DEMOLITION EFFORTS WITH OTHER TRADES AND REVIEW ARCHITECTURE DRAWINGS PRIOR TO START OF WORK
 - C. ALL EXISTING WATER HEATERS, ASSOCIATED PUMPS WHERE APPLICABLE AND ANY OTHER PLUMBING EQUIPMENT SHALL BE REMOVED AND TURNED OVER TO OWNER
 - D. ALL EXISTING DOMESTIC WATER PIPING AND EXISTING SANITARY PIPING ABOVE SLAB AND BELOW SLAB SHALL BE REMOVED IN AREA OF DEMOLITION.

- KEYNOTES:**
- 1. EXISTING DOMESTIC WATER DROP TO BELOW SLAB TO REMAIN. LINE FEEDS EXISTING OUT BUILDINGS. LINE TO BE RECONNECTED UNDER NEW WORK. COORDINATE WITH OWNER AND CM FOR WATER SHUTDOWN TO MINIMIZE DOWN TIME.
 - 2. EXISTING YARD HYDRANT TO REMAIN. DISCONNECT PIPING AT BUILDING ENTRANCE. PREPARE PIPING TO BE RECONNECTED IN NEW WORK.



1 PLUMBING DEMOLITION PLAN - AREA A



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**DEMOLITION PLAN
A**

2021029 16 OCT. 2024

P0-11

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**DEMOLITION PLAN
B**

2021029 16 OCT. 2024

P0-12

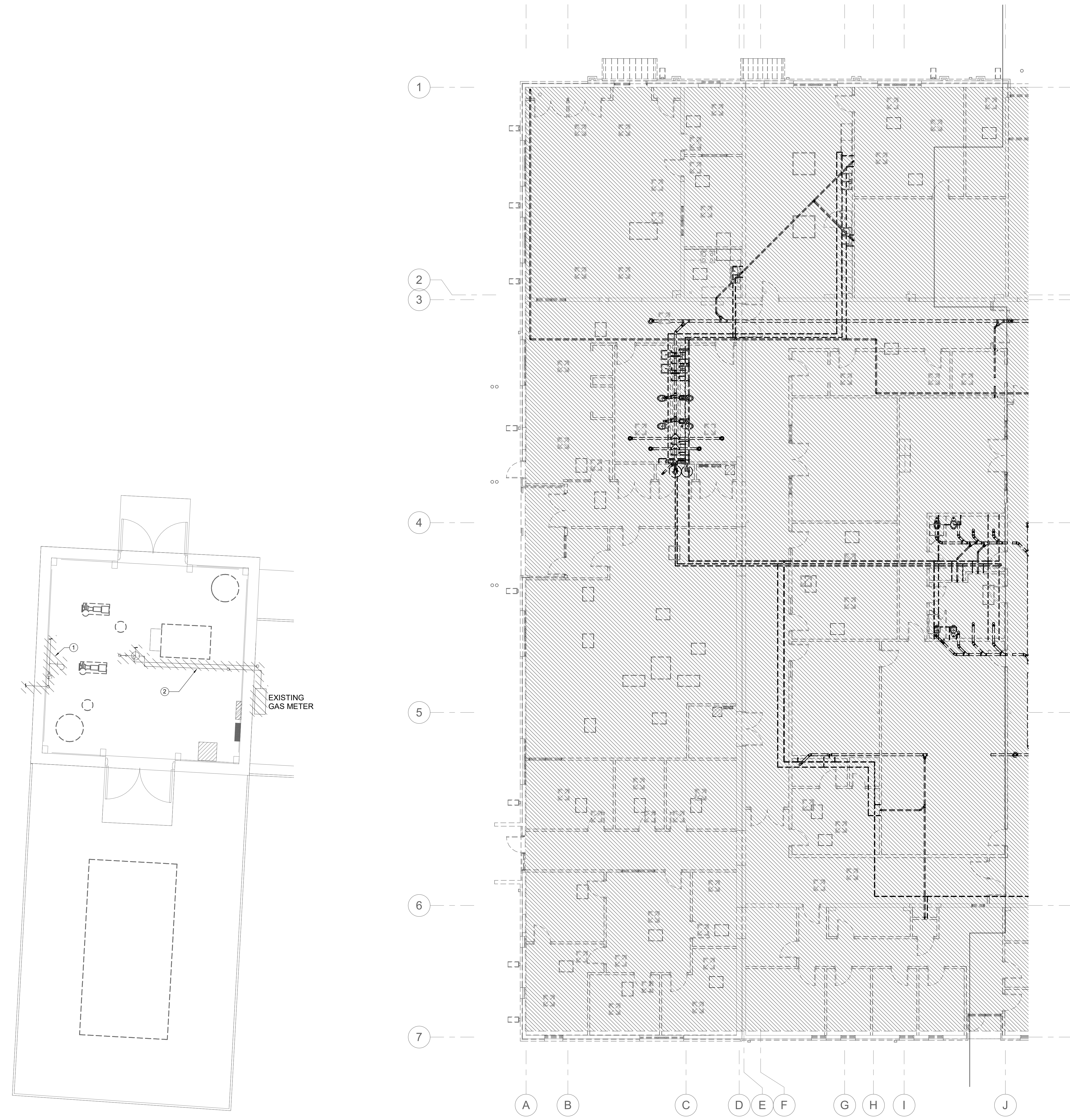


DEMOLITION NOTES:

- A. EXISTING CONDITIONS CREATED FROM BEST AVAILABLE INFORMATION NOTIFY ENGINEER OF DISCREPANCIES IMMEDIATELY
- B. COORDINATE DEMOLITION EFFORTS WITH OTHER TRADES AND REVIEW ARCHITECTURE DRAWINGS PRIOR TO START OF WORK
- C. ALL EXISTING WATER HEATERS, ASSOCIATED PUMPS WHERE APPLICABLE AND ANY OTHER PLUMBING EQUIPMENT SHALL BE REMOVED AND TURNED OVER TO OWNER
- D. ALL EXISTING DOMESTIC WATER PIPING AND EXISTING SANITARY PIPING ABOVE SLAB AND BELOW SLAB SHALL BE REMOVED IN AREA OF DEMOLITION.

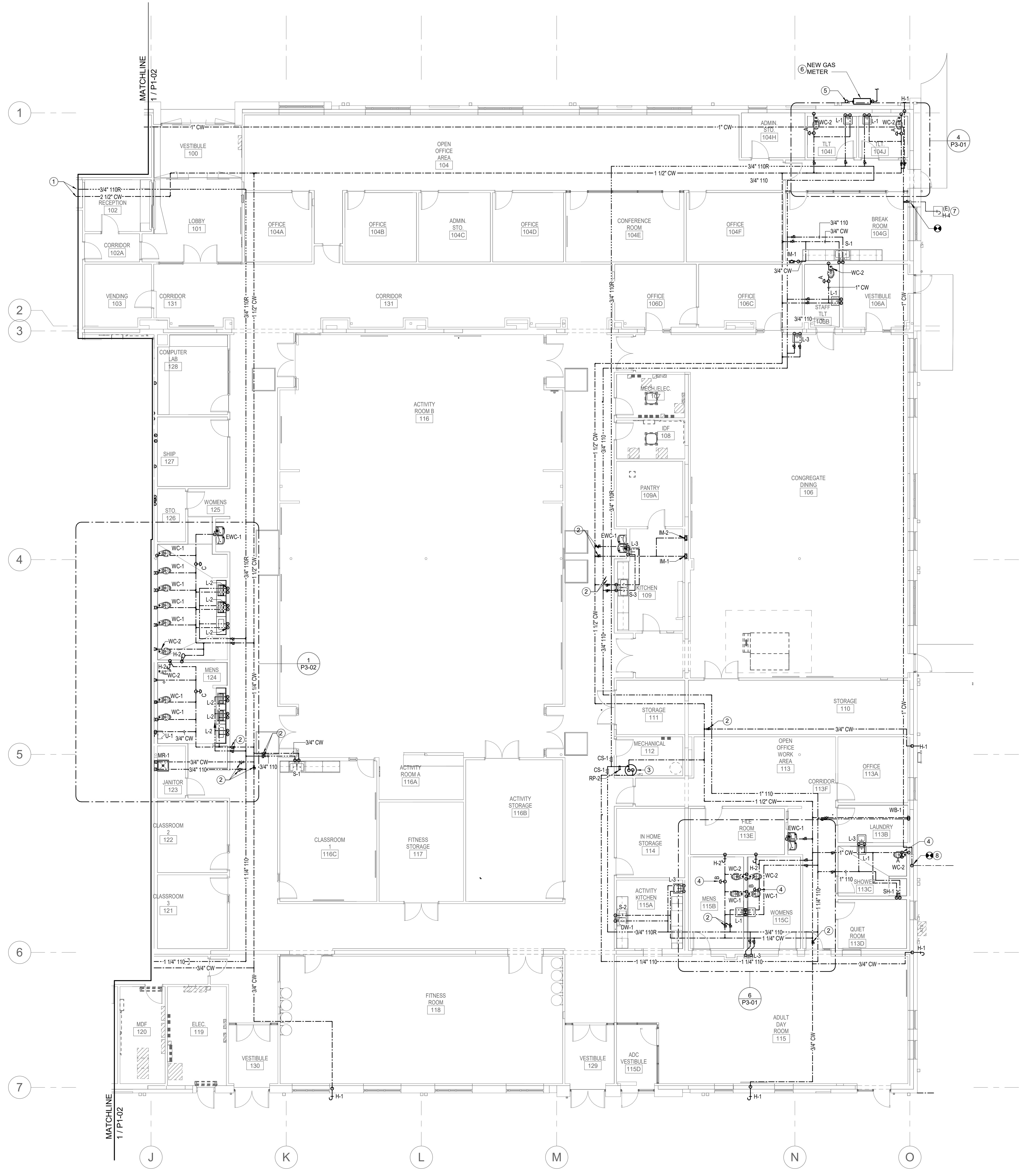
KEYNOTES:

- 1. DEMO DOMESTIC MAKE-UP WATER BACK TO HOSE BIBB AND CAP. HOSE BIBB TO REMAIN.
- 2. REMOVE GAS PIPING & APPURTENANCES BACK TO METER. SITE PIPING AND METER TO BE RELOCATED BY UTILITY COMPANY.



2 DEMOLITION PLAN - MECHANICAL BUILDING
1/4" = 1'-0"

1 PLUMBING DEMOLITION PLAN - AREA B
1/8" = 1'-0"



- GENERAL NOTES:**
- ALL VENT PIPING SHALL BE 2" UNLESS NOTED OTHERWISE.
 - ALL PIPING ROUTING AND HANGER AND SUPPORT INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO START OF WORK.
 - ALL BELOW SLAB WASTE PIPING AND INVERTS SHALL BE COORDINATED WITH CIVIL DRAWINGS AND STRUCTURAL CONCRETE FOUNDATIONS AND FOOTINGS PRIOR TO THE START OF WORK.
 - COORDINATE INSTALLATION OF ROUGH-INS AND FIXTURES WITH CASEWORK/MILKWORK SHOWN IN THE ARCHITECTURE DRAWINGS AND FIELD VERIFY LAYOUT WITH ACCESSIBILITY REQUIREMENTS PRIOR TO START OF WORK AND AFTER ROUGH-IN.
 - PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED SO THAT NO PIPING IS SUBJECT TO BENDING AND/OR DEFLECTION.
 - PROVIDE NEW WATER HAMMER ARRESTORS ON COLD WATER PIPING JUST UPSTREAM OF THE LAST FLUSH VALVE FIXTURE FOR EACH COLD WATER BRANCH SERVING FLUSH VALVE FIXTURES - SIZED AS NEEDED ACCORDING TO SCHEDULE ON SHEET P1-01 AND ACCESSIBLE FOR FUTURE REPLACEMENT - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN AND/OR ELEVATIONS.
 - PROVIDE FULL-PORT TWO-PIECE ALL BRONZE BALL VALVES ON DOMESTIC HOT AND COLD WATER PIPING ABOVE CEILING WHERE NECESSARY TO ISOLATE EACH TOILET ROOM INDEPENDENTLY FOR FUTURE REPAIRS OR MAINTENANCE - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN.
 - PLUMBING PIPING SHALL BE ACCESSIBLE WHERE POSSIBLE AND INSTALLED SO THAT NORMAL THERMAL EXPANSION OR CONTRACTION DOES NOT AFFECT THE PERFORMANCE OF THE SYSTEM - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS REQUIRE EXPANSION OR CONTRACTION MEASURES BEYOND THAT SHOWN IN THESE DRAWINGS.
 - DOMESTIC HOT AND COLD WATER SUPPLY AND/OR RETURN/RECIRC. PIPING SHALL BE INSULATED AS REQUIRED AND AS SPECIFIED AND SHALL INCLUDE BRANCH SHUT-OFF VALVES AS SHOWN - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS CREATE THE NEED FOR ADDITIONAL VALVES BEYOND THAT SHOWN IN THESE DRAWINGS.
 - PROVIDE AS-BUILT DRAWINGS THAT INCLUDE FINAL LAYOUTS, DETAILS OF ALL CONNECTION POINTS, AND OTHER PERTINENT DATA. FIELD APPLIED IDENTIFICATION TAGS AND NAMEPLATES MUST MATCH AS-BUILT DRAWINGS.
 - REFER TO CORRESPONDING RISER DIAGRAM DRAWINGS FOR ADDITIONAL PIPE SIZE INFORMATION AND ISOMETRIC VIEWS OF GENERAL PIPING ARRANGEMENTS.

- KEYNOTES:**
- SEE SHEET P1-02 FOR CONTINUATION.
 - PROVIDE SHUT-OFF VALVE TO WATER BRANCH PIPES IN ACCESSIBLE LOCATION. VALVE TO MATCH PIPE SIZE. COORDINATE VALVE LOCATION WITH ALL OTHER TRADES FOR ACCESSIBILITY.
 - REFER TO SHEET P6-01. SEE ELECTRIC WATER HEATER DETAIL #.
 - PROVIDE WATER HAMMER ARRESTOR ON WATER PIPE BRANCHES AS INDICATED. REFER TO SHEET P0-01. SEE WATER HAMMER ARRESTOR SCHEDULE FOR SIZES. PROVIDE ACCESS DOOR AS REQUIRED FOR DEVICES. COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN AND/OR ELEVATIONS.
 - 2" GAS PIPING UP TO ROOF TO SERVE MECHANICAL EQUIPMENT. SEE SHEET P2-03 FOR CONTINUATION.
 - NEW GAS METER LOCATION BY GAS UTILITY COMPANY. COORDINATE WITH UTILITIES CONTRACTOR.
 - RECONNECT EXISTING YARD HYDRANT TO NEW WATER SUPPLY.
 - RECONNECT TO EXISTING DOMESTIC WATER DROP LINE FEEDS EXISTING OUT BUILDINGS. MAKE ADJUSTMENTS AS REQUIRED TO LAY WITHIN NEW 3/8" STD. WALL TIGHT TO EXISTING CMU. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

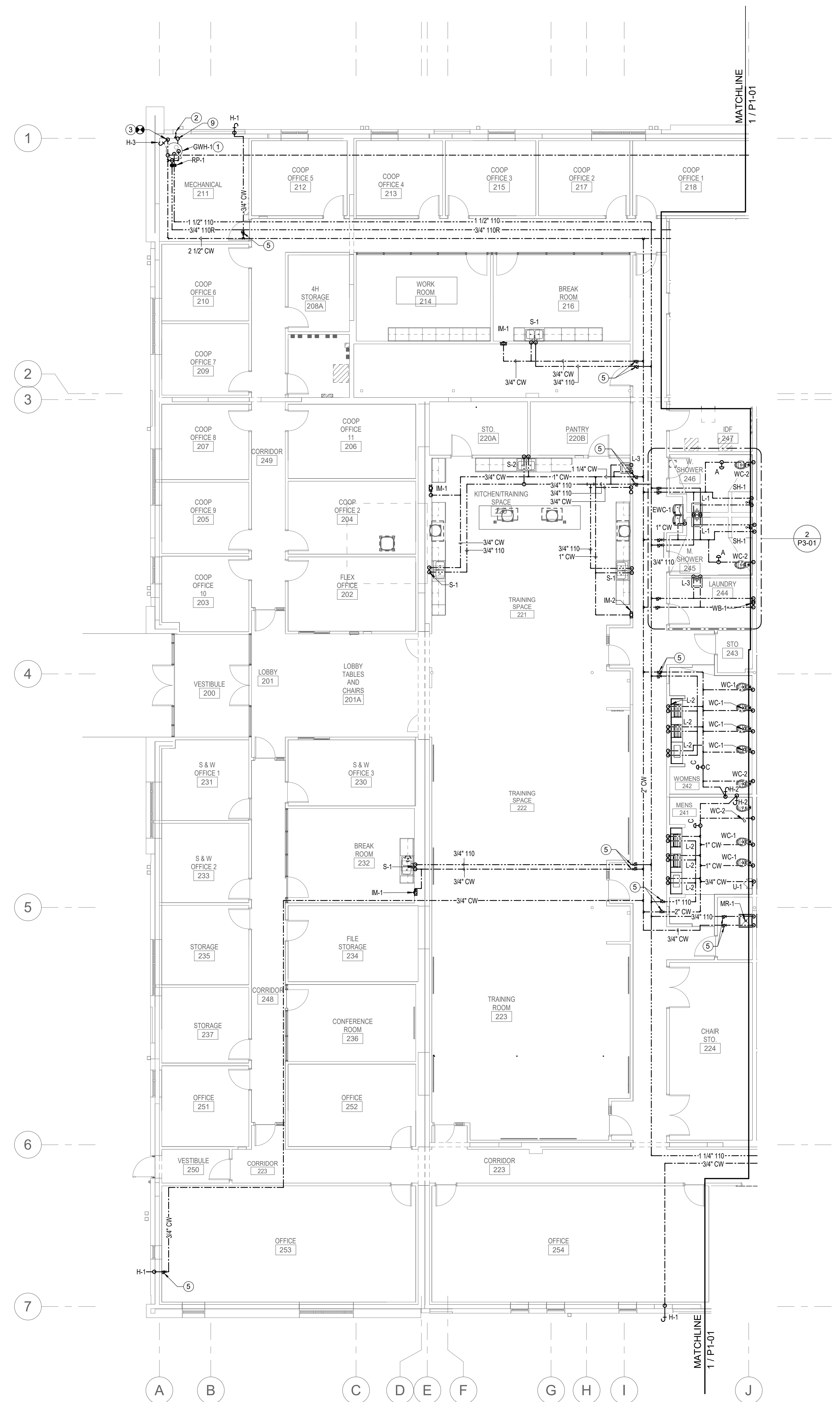
1 DOMESTIC WATER PLAN - AREA A
1/8" = 1'-0"

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ID	DATE	DESCRIPTION

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DOMESTIC WATER PLAN - AREA A

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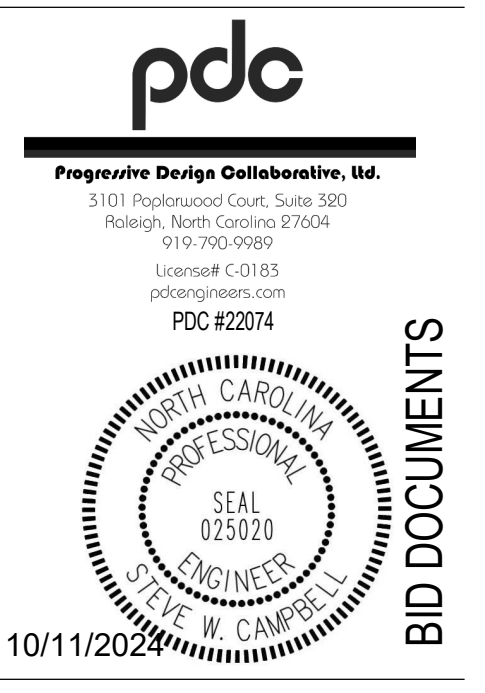
1 DOMESTIC WATER PLAN - AREA B
 1/8" = 1'-0"

GENERAL NOTES:

- A. ALL VENT PIPING SHALL BE 2" UNLESS NOTED OTHERWISE.
- B. ALL PIPING ROUTING AND HANGER AND SUPPORT INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO START OF WORK.
- C. ALL BELOW SLAB WASTE PIPING AND INVERTS SHALL BE COORDINATED WITH CIVIL DRAWINGS AND STRUCTURAL CONCRETE FOUNDATIONS AND FOOTINGS PRIOR TO THE START OF WORK.
- D. COORDINATE INSTALLATION OF ROUGH-INS AND FIXTURES WITH CASEWORK/MILLWORK SHOWN IN THE ARCHITECTURE DRAWINGS AND FIELD VERIFY LAYOUT WITH ACCESSIBILITY REQUIREMENTS PRIOR TO START OF WORK AND AFTER ROUGH-IN.
- E. PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED SO THAT NO PIPING IS SUBJECT TO BENDING AND/OR DEFLECTION.
- F. PROVIDE NEW WATER HAMMER ARRESTORS ON COLD WATER PIPING JUST UPSTREAM OF THE LAST FLUSH VALVE FIXTURE FOR EACH COLD WATER BRANCH SERVING FLUSH VALVE FIXTURES - SIZED AS NEEDED ACCORDING TO SCHEDULE ON SHEET P1-01 AND ACCESSIBLE FOR FUTURE REPLACEMENT - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN AND/OR ELEVATIONS.
- G. PROVIDE FULL-PORT TWO-PIECE ALL BRONZE BALL VALVES ON DOMESTIC HOT AND COLD WATER PIPING ABOVE CEILING WHERE NECESSARY TO ISOLATE EACH TOILET ROOM INDEPENDENTLY FOR FUTURE REPAIRS OR MAINTENANCE - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN.
- H. PLUMBING PIPING SHALL BE ACCESSIBLE WHERE POSSIBLE AND INSTALLED SO THAT NORMAL THERMAL EXPANSION OR CONTRACTION DOES NOT AFFECT THE PERFORMANCE OF THE SYSTEM - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS REQUIRE EXPANSION OR CONTRACTION MEASURES BEYOND THAT SHOWN IN THESE DRAWINGS.
- I. DOMESTIC HOT AND COLD WATER SUPPLY AND/OR RETURN/RECIRC. PIPING SHALL BE INSULATED AS REQUIRED AND AS SPECIFIED AND SHALL INCLUDE BRANCH SHUT-OFF VALVES AS SHOWN - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS CREATE THE NEED FOR ADDITIONAL VALVES BEYOND THAT SHOWN IN THESE DRAWINGS.
- J. PROVIDE AS-BUILT DRAWINGS THAT INCLUDE FINAL LAYOUTS, DETAILS OF ALL CONNECTION POINTS AND OTHER PERTINENT DATA. FIELD APPLIED IDENTIFICATION TAGS AND NAMEPLATES MUST MATCH AS-BUILT DRAWINGS.
- K. REFER TO CORRESPONDING RISER DIAGRAM DRAWINGS FOR ADDITIONAL PIPE SIZE INFORMATION AND ISOMETRIC VIEWS OF GENERAL PIPING ARRANGEMENTS.

KEYNOTES:

1. PROVIDE MATERIALS AND MAKE FINAL CONNECTION TO WATER HEATER. PROVIDE UL AND FM LISTED FLEXIBLE CONNECTION WITH GAS TRAIN TO INCLUDE 6" DIRT LEG AND GAS SHUT-OFF VALVE.
2. VENT THROUGH SIDEWALL WITH CONCENTRIC VENT. REFER TO DETAIL 6 ON SHEET P5-01. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. EXISTING DOMESTIC COLD WATER MAIN SERVICE ENTRANCE RISER. CONNECT TO EXISTING COLD WATER MAIN LOCATED IN MECHANICAL ROOM. FIELD VERIFY EXISTING CONDITIONS TO VERIFY PIPE SIZE OF EQUAL OR GREATER SIZE.
4. SEE SHEET P1-01 FOR CONTINUATION.
5. PROVIDE SHUT-OFF VALVE TO WATER BRANCH PIPES IN ACCESSIBLE LOCATION. VALVE TO MATCH PIPE SIZE. COORDINATE VALVE LOCATION WITH ALL OTHER TRADES FOR ACCESSIBILITY.
6. REFER TO CIVIL PLANS FOR CONTINUATION.
7. PROVIDE HAMMER ARRESTOR ON WATER PIPE BRANCHES AS INDICATED.
8. REFER TO SHEET P0-01. SEE HAMMER ARRESTOR SCHEDULE FOR SIZES. PROVIDE ACCESS DOOR AS REQUIRED FOR MAINTENANCE.
9. PROVIDE 3/4" GAS PIPING DOWN FROM ROOF DECK TO SERVE (199 BTU/H) GAS WATER HEATER. SEE PLUMBING FIXTURE SCHEDULE FOR SPECIFICATIONS.



10/11/2024

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Smith Sinnett Architecture, P.A. 2024

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 CHECKED BY: SWC

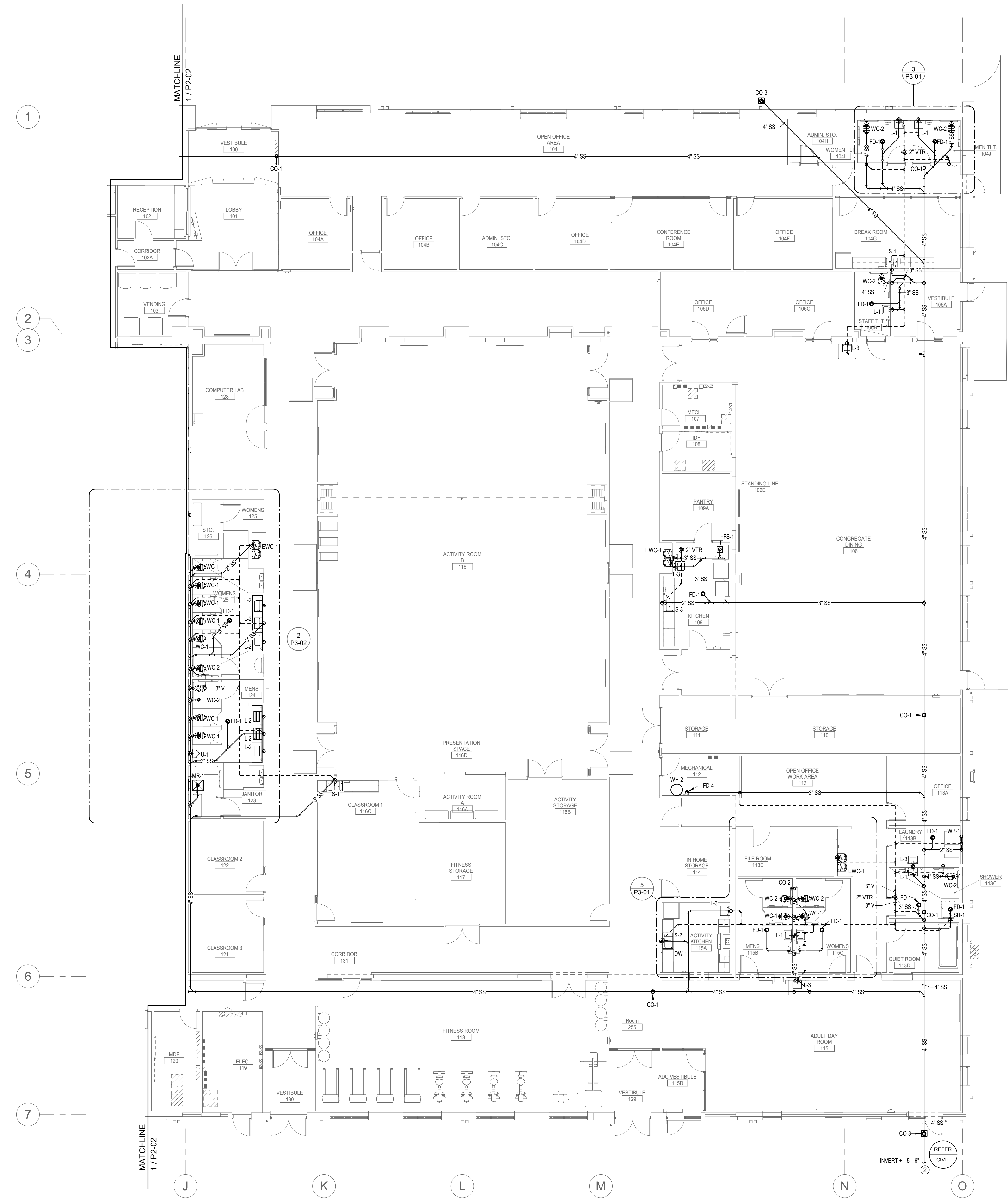
**DOMESTIC WATER
 PLAN - AREA B**

2021029 16 OCT. 2024

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- GENERAL NOTES:**
- ALL VENT PIPING SHALL BE 2" UNLESS NOTED OTHERWISE.
 - ALL PIPING ROUTING AND HANGER AND SUPPORT INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO START OF WORK.
 - ALL BELOW SLAB WASTE PIPING AND INVERTS SHALL BE COORDINATED WITH CIVIL DRAWINGS AND STRUCTURAL CONCRETE FOUNDATIONS AND FOOTINGS PRIOR TO THE START OF WORK.
 - COORDINATE INSTALLATION OF ROUGH-INS AND FIXTURES WITH CASEWORK/MILLWORK SHOWN IN THE ARCHITECTURE DRAWINGS AND FIELD VERIFY LAYOUT WITH ACCESSIBILITY REQUIREMENTS PRIOR TO START OF WORK AND AFTER ROUGH-IN.
 - PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED SO THAT NO PIPING IS SUBJECT TO BENDING AND/OR DEFLECTION.
 - PROVIDE NEW WATER HAMMER ARRESTORS ON COLD WATER PIPING JUST UPSTREAM OF THE LAST FLUSH VALVE FIXTURE FOR EACH COLD WATER BRANCH SERVING FLUSH VALVE FIXTURES - SIZED AS NEEDED ACCORDING TO SCHEDULE ON SHEET P101 AND ACCESSIBLE FOR FUTURE REPLACEMENT - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN AND/OR ELEVATIONS.
 - PROVIDE FULL-PORT TWO-PIECE ALL BRONZE BALL VALVES ON DOMESTIC HOT AND COLD WATER PIPING ABOVE CEILING WHERE NECESSARY TO ISOLATE EACH TOILET ROOM INDEPENDENTLY FOR FUTURE REPAIRS OR MAINTENANCE - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN.
 - PLUMBING PIPING SHALL BE ACCESSIBLE WHERE POSSIBLE AND INSTALLED SO THAT NORMAL THERMAL EXPANSION OR CONTRACTION DOES NOT AFFECT THE PERFORMANCE OF THE SYSTEM - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS REQUIRE EXPANSION OR CONTRACTION MEASURES BEYOND THAT SHOWN IN THESE DRAWINGS.
 - DOMESTIC HOT AND COLD WATER SUPPLY AND/OR RETURN/RECIRC. PIPING SHALL BE INSULATED AS REQUIRED AND AS SPECIFIED AND SHALL INCLUDE BRANCH SHUT-OFF VALVES AS SHOWN - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS CREATE THE NEED FOR ADDITIONAL VALVES BEYOND THAT SHOWN IN THESE DRAWINGS.
 - PROVIDE AS-BUILT DRAWINGS THAT INCLUDE FINAL LAYOUTS, DETAILS OF ALL CONNECTION POINTS, AND OTHER PERTINENT DATA. FIELD APPLIED IDENTIFICATION TAGS AND NAMEPLATES MUST MATCH AS-BUILT DRAWINGS.
 - REFER TO CORRESPONDING RISER DIAGRAM DRAWINGS FOR ADDITIONAL PIPE SIZE INFORMATION AND ISOMETRIC VIEWS OF GENERAL PIPING ARRANGEMENTS.

- KEYNOTES:**
- SEE SHEET P2-02 FOR CONTINUATION.
 - PROVIDE MATERIALS AND MAKE CONNECTION TO SANITARY SEWER PIPING PROVIDED BY SITE UTILITY CONTRACTOR.



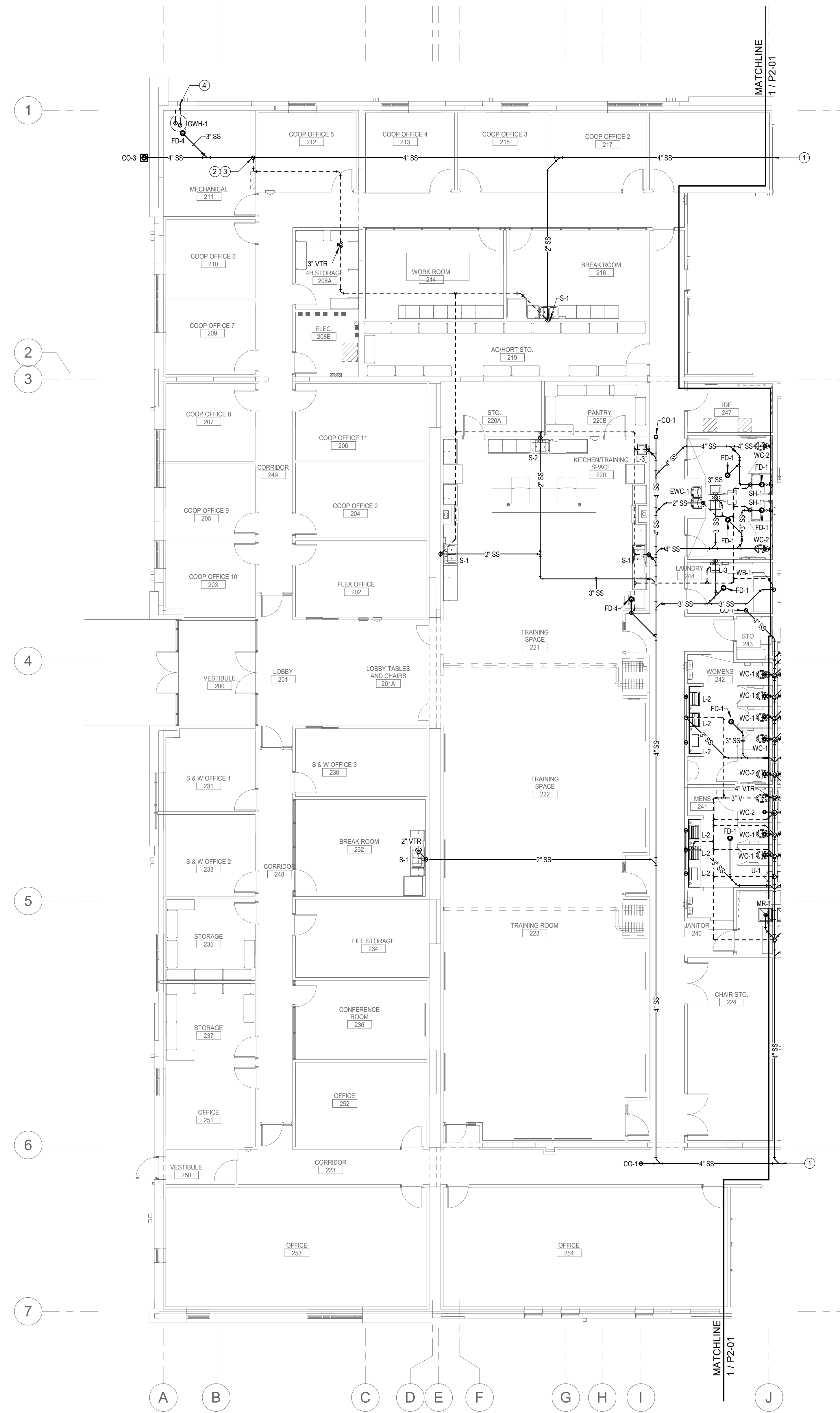
1 WASTE AND VENT PLAN - AREA A
1/8" = 1'-0"

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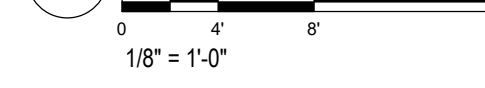
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DRAWN BY: JGG
CHECKED BY: SWC
WASTE AND VENT
PLAN - AREA A

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1 WASTE AND VENT NEW WORK PLAN - AREA B



- GENERAL NOTES:**
- ALL VENT PIPING SHALL BE 2" UNLESS NOTED OTHERWISE.
 - ALL PIPING ROUTING AND HANGER AND SUPPORT INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO START OF WORK.
 - ALL BELOW SLAB WASTE PIPING AND INVERTS SHALL BE COORDINATED WITH CIVIL DRAWINGS AND STRUCTURAL CONCRETE FOUNDATIONS AND FOOTINGS PRIOR TO THE START OF WORK.
 - COORDINATE INSTALLATION OF ROUGH-INS AND FIXTURES WITH CASEWORK/MILLWORK SHOWN IN THE ARCHITECTURE DRAWINGS AND FIELD VERIFY LAYOUT WITH ACCESSIBILITY REQUIREMENTS PRIOR TO START OF WORK AND AFTER ROUGH-IN.
 - PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED SO THAT NO PIPING IS SUBJECT TO BENDING AND/OR DEFLECTION.
 - PROVIDE NEW WATER HAMMER ARRESTORS ON COLD WATER PIPING JUST UPSTREAM OF THE LAST FLUSH VALVE FIXTURE FOR EACH COLD WATER BRANCH SERVING FLUSH VALVE FIXTURES - SIZED AS NEEDED ACCORDING TO SCHEDULE ON SHEET P701 AND ACCESSIBLE FOR FUTURE REPLACEMENT - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN AND/OR ELEVATIONS.
 - PROVIDE FULL-PORT TWO-PIECE ALL BRONZE BALL VALVES ON DOMESTIC HOT AND COLD WATER PIPING ABOVE CEILING WHERE NECESSARY TO ISOLATE EACH TOILET ROOM INDEPENDENTLY FOR FUTURE REPAIRS OR MAINTENANCE - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN.
 - PLUMBING PIPING SHALL BE ACCESSIBLE WHERE POSSIBLE AND INSTALLED SO THAT NORMAL THERMAL EXPANSION OR CONTRACTION DOES NOT AFFECT THE PERFORMANCE OF THE SYSTEM - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS REQUIRE EXPANSION OR CONTRACTION MEASURES BEYOND THAT SHOWN IN THESE DRAWINGS.
 - DOMESTIC HOT AND COLD WATER SUPPLY AND/OR RETURN/RECIRC. PIPING SHALL BE INSULATED AS REQUIRED AND AS SPECIFIED AND SHALL INCLUDE BRANCH SHUT-OFF VALVES AS SHOWN - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS CREATE THE NEED FOR ADDITIONAL VALVES BEYOND THAT SHOWN IN THESE DRAWINGS.
 - PROVIDE AS-BUILT DRAWINGS THAT INCLUDE FINAL LAYOUTS, DETAILS OF ALL CONNECTION POINTS AND OTHER PERTINENT DATA. FIELD APPLIED IDENTIFICATION TAGS AND NAMEPLATES MUST MATCH AS-BUILT DRAWINGS.
 - REFER TO CORRESPONDING RISER DIAGRAM DRAWINGS FOR ADDITIONAL PIPE SIZE INFORMATION AND ISOMETRIC VIEWS OF GENERAL PIPING ARRANGEMENTS.

- KEYNOTES:**
- SEE SHEET P2-01 FOR CONTINUATION.
 - 2" VENT PIPING UP.
 - COORDINATE PIPE ROUTING IN THIS AREA PRIOR TO START OF WORK - PIPING RISE AND DROP LOCATIONS SHALL BE COORDINATED WITH MECHANICAL SUBCONTRACTOR WORKING IN SAME AREA.
 - REFER TO DETAIL 6 ON SHEET P601 FOR INSTRUCTIONS CORRESPONDING TO THE INSTALLATION OF THE CONCENTRIC VENT FOR THE GAS WATER HEATER.

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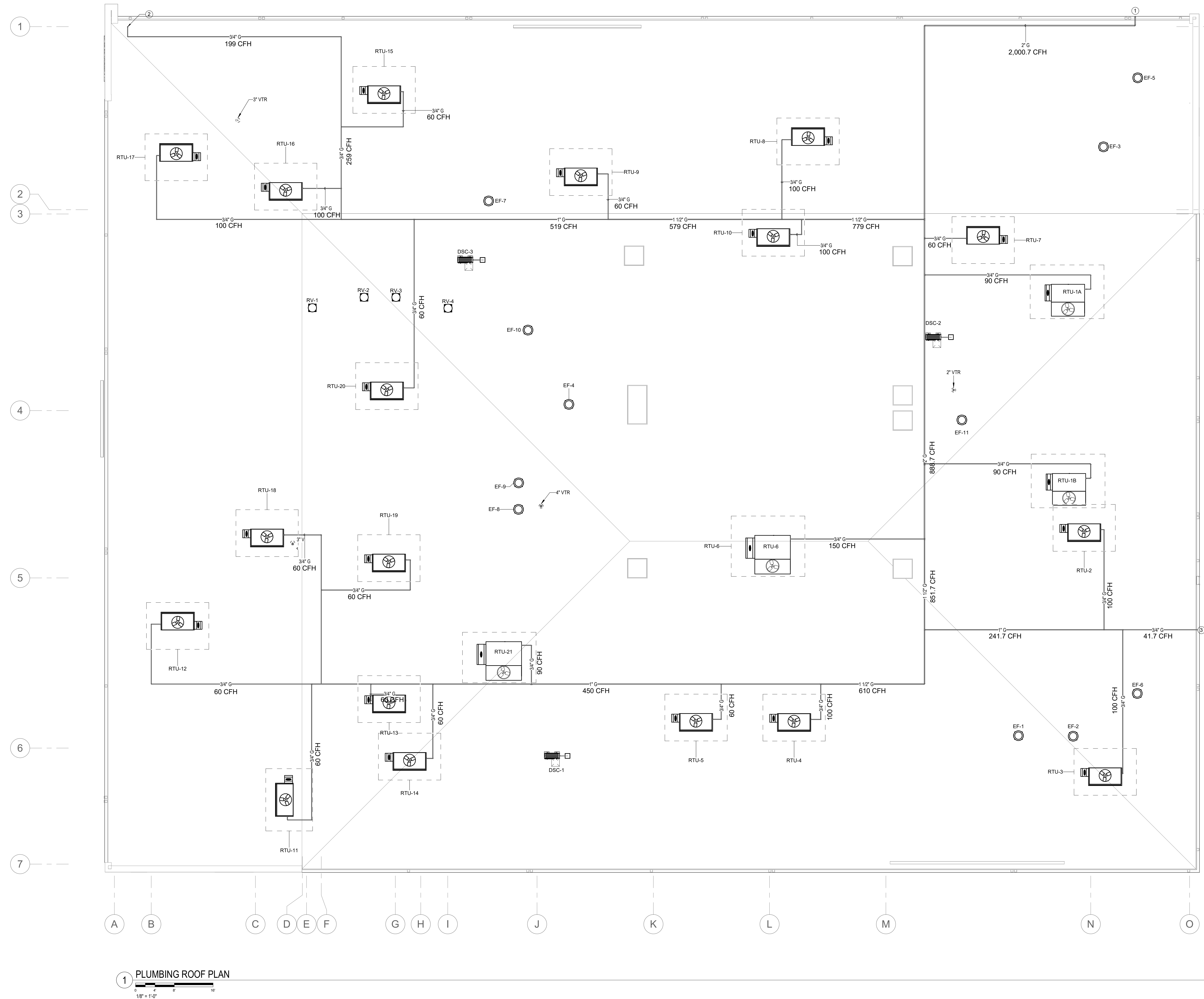
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CHECKED BY: SWC

WASTE AND VENT PLAN - AREA B

2021029 16 OCT. 2024

P2-02

- KEYNOTES:**
- 2" GAS PIPING FROM BELOW TO SERVE MECHANICAL EQUIPMENT.
 - 3/4" GAS DOWN THROUGH ROOF TO SERVE GWH-1 (199 BTUH).
 - 3/4" GAS PIPING DOWN TO SERVE ELECTRICAL GENERATOR. SEE GAS RISER FOR CONTINUATION.



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

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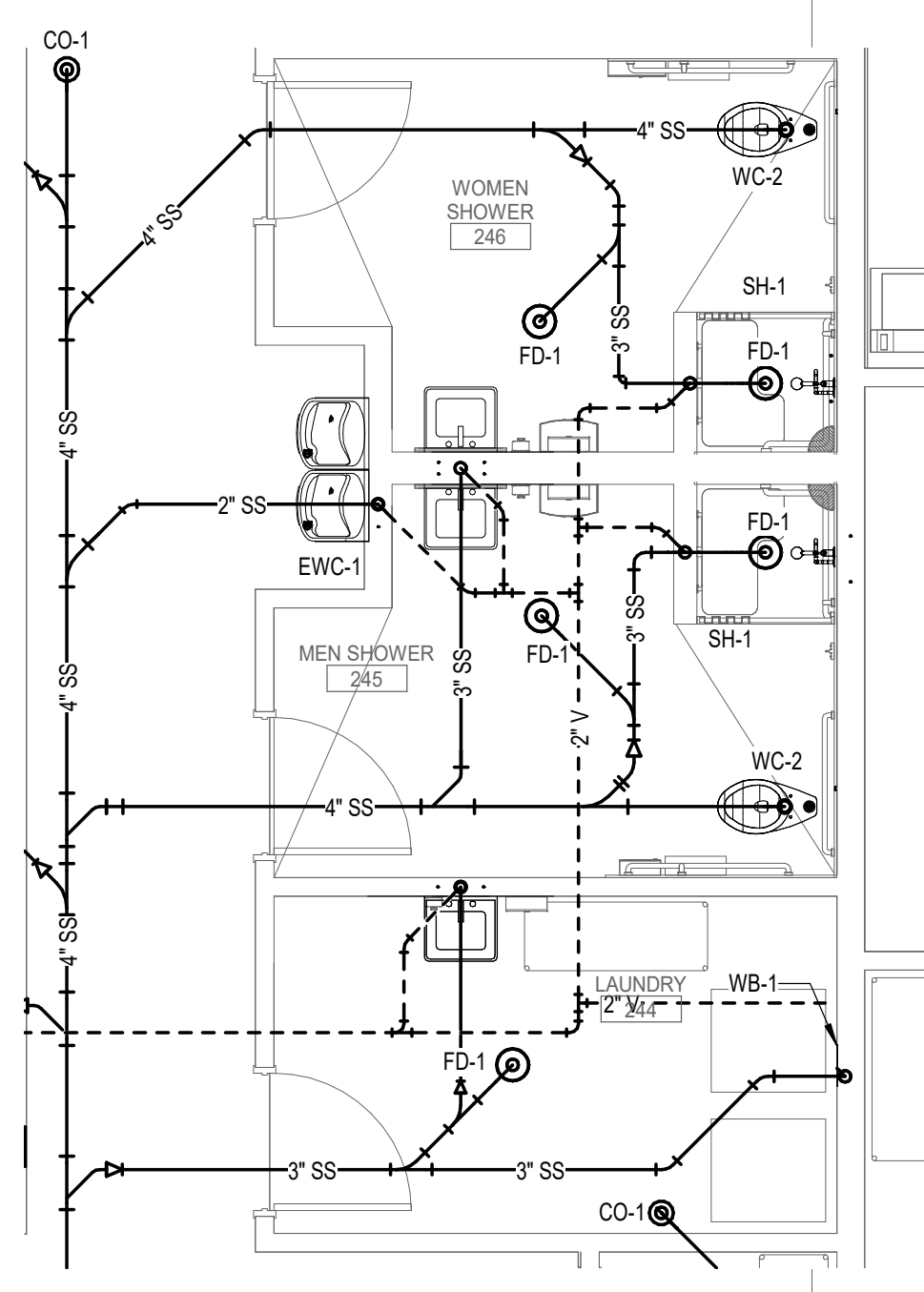
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GAS ROOF PIPING PLAN

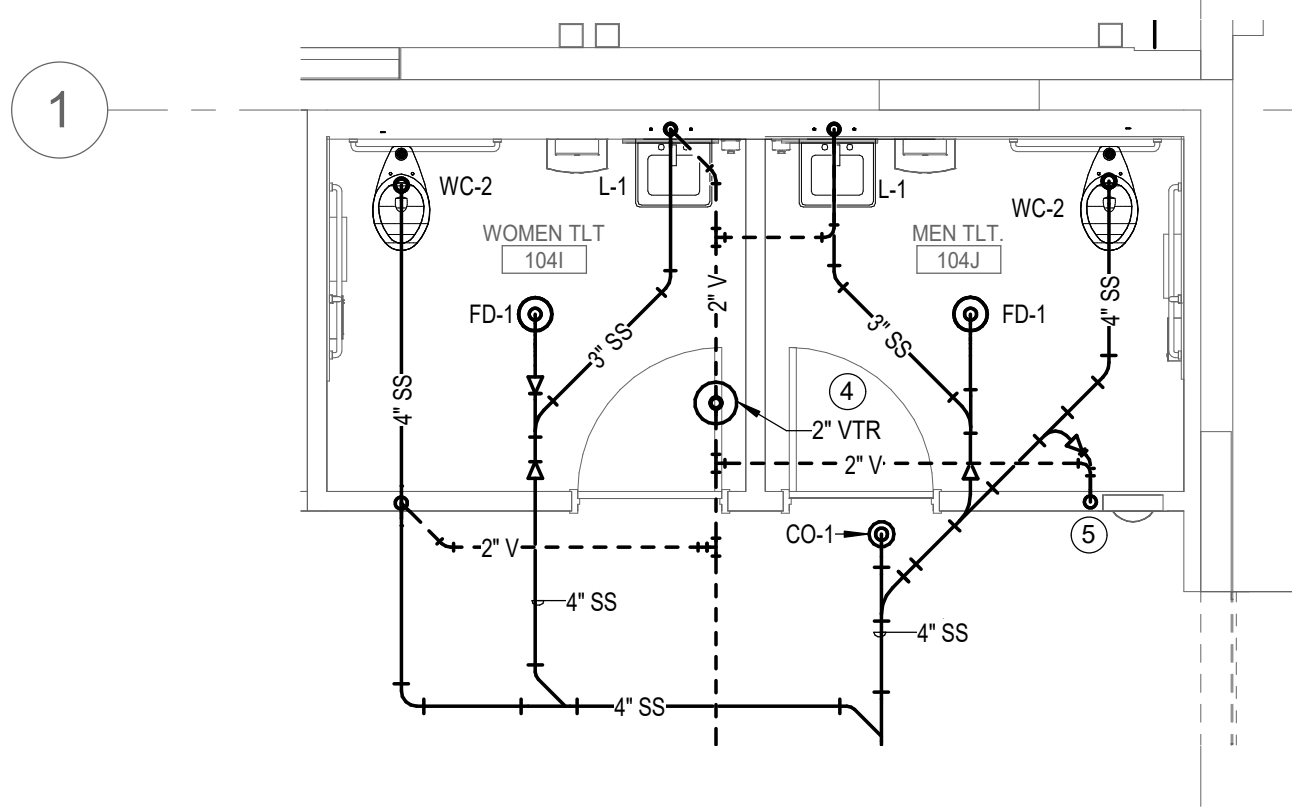
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- GENERAL NOTES:**
- ALL VENT PIPING SHALL BE 2" UNLESS NOTED OTHERWISE
 - ALL PIPING ROUTING AND HANGER AND SUPPORT INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO START OF WORK
 - ALL BELOW SLAB WASTE PIPING AND INVERTS SHALL BE COORDINATED WITH CIVIL DRAWINGS AND STRUCTURAL CONCRETE FOUNDATIONS AND FOOTINGS PRIOR TO THE START OF WORK
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 - PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED SO THAT NO PIPING IS SUBJECT TO BENDING AND/OR DEFLECTION
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 - PROVIDE FULL-PORT TWO-PIECE ALL BRONZE BALL VALVES ON DOMESTIC HOT AND COLD WATER PIPING ABOVE CEILING WHERE NECESSARY TO ISOLATE EACH TOILET ROOM INDEPENDENTLY FOR FUTURE REPAIRS OR MAINTENANCE - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN
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 - DOMESTIC HOT AND COLD WATER SUPPLY AND/OR RETURN/RECIRC. PIPING SHALL BE INSULATED AS REQUIRED AND AS SPECIFIED AND SHALL INCLUDE BRANCH SHUT-OFF VALVES AS SHOWN - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS CREATE THE NEED FOR ADDITIONAL VALVES BEYOND THAT SHOWN IN THESE DRAWINGS
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 - REFER TO CORRESPONDING RISER DIAGRAM DRAWINGS FOR ADDITIONAL PIPE SIZE INFORMATION AND ISOMETRIC VIEWS OF GENERAL PIPING ARRANGEMENTS

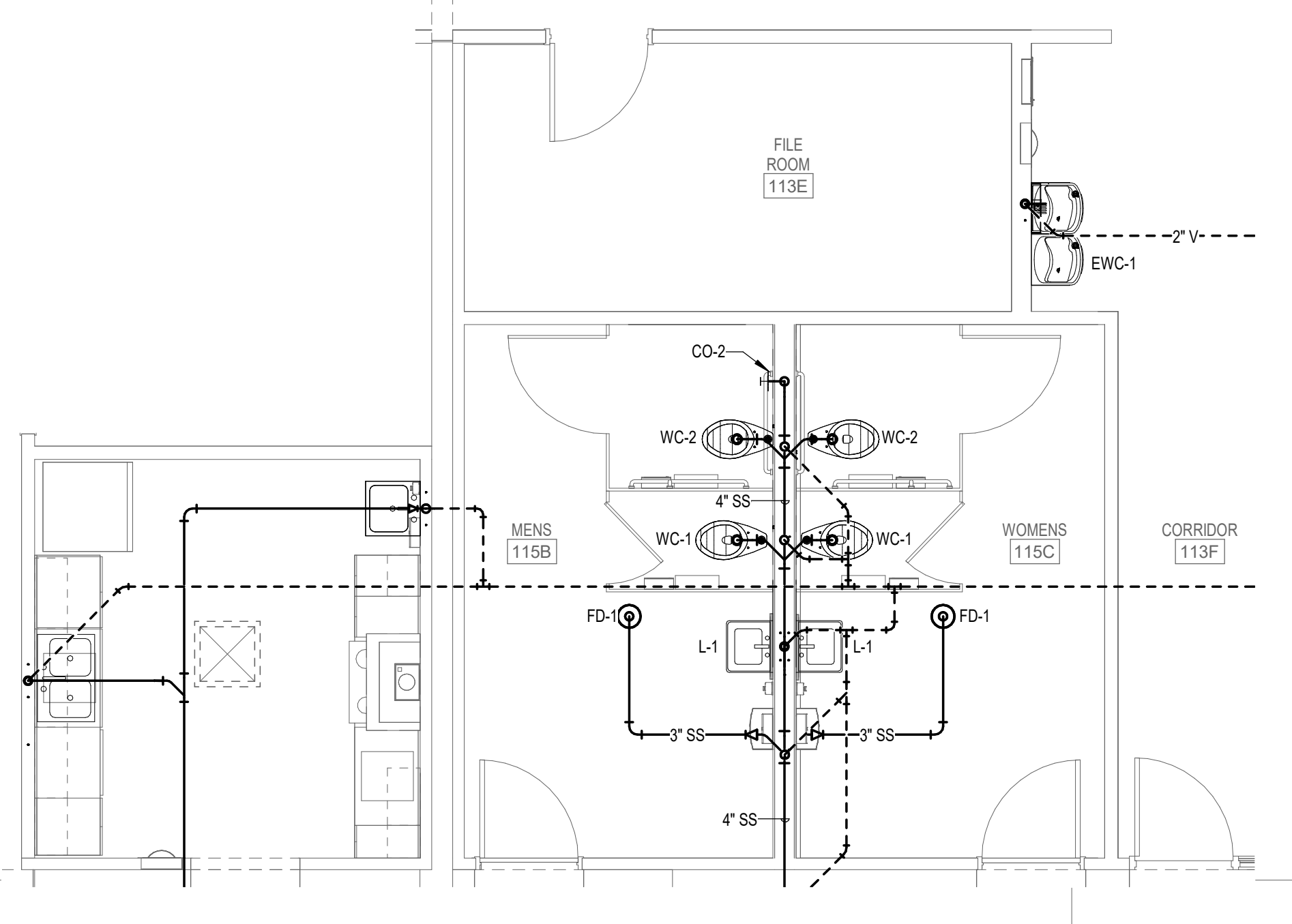
- KEYNOTES:**
- PROVIDE HAMMER ARRESTOR ON WATER PIPE BRANCHES AS INDICATED. REFER TO SHEET PFD-01. SEE HAMMER ARRESTOR SCHEDULE FOR SIZES. PROVIDE ACCESS DOOR AS REQUIRED FOR DEVICES LOCATED ON HARD CEILINGS FOR MAINTENANCE. COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN AND/OR ELEVATIONS.
 - PROVIDE BALANCING VALVE, (CIRCUIT SETTER) WITH INTEGRATED CHECK AND SHUT-OFF VALVES ON ALL HOT WATER RECIRCULATING BRANCHES CONNECTING BACK TO RECIRCULATING MAIN. INSTALL THE VALVE IN ACCESSIBLE LOCATION AS CLOSE TO THE RETURN MAIN AS POSSIBLE FOR EASY ADJUSTING. COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN AND/OR ELEVATIONS.
 - PROVIDE SHUT-OFF VALVE TO WATER BRANCH PIPES IN ACCESSIBLE LOCATION. VALVE TO MATCH PIPE SIZE. COORDINATE VALVE LOCATION WITH ALL OTHER TRADES FOR ACCESSIBILITY. PROVIDE ACCESS DOOR AS REQUIRED FOR VALVES LOCATED ON HARD CEILINGS. COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN AND/OR ELEVATIONS.
 - VENT PIPING UP TO VTR - REFER TO ROOF PLAN
 - RUN 2" VENT HORIZONTAL BELOW SLAB OVER TO WALL AND RISE UP TO CEILING. CONTINUE AS SHOWN ON PLAN.



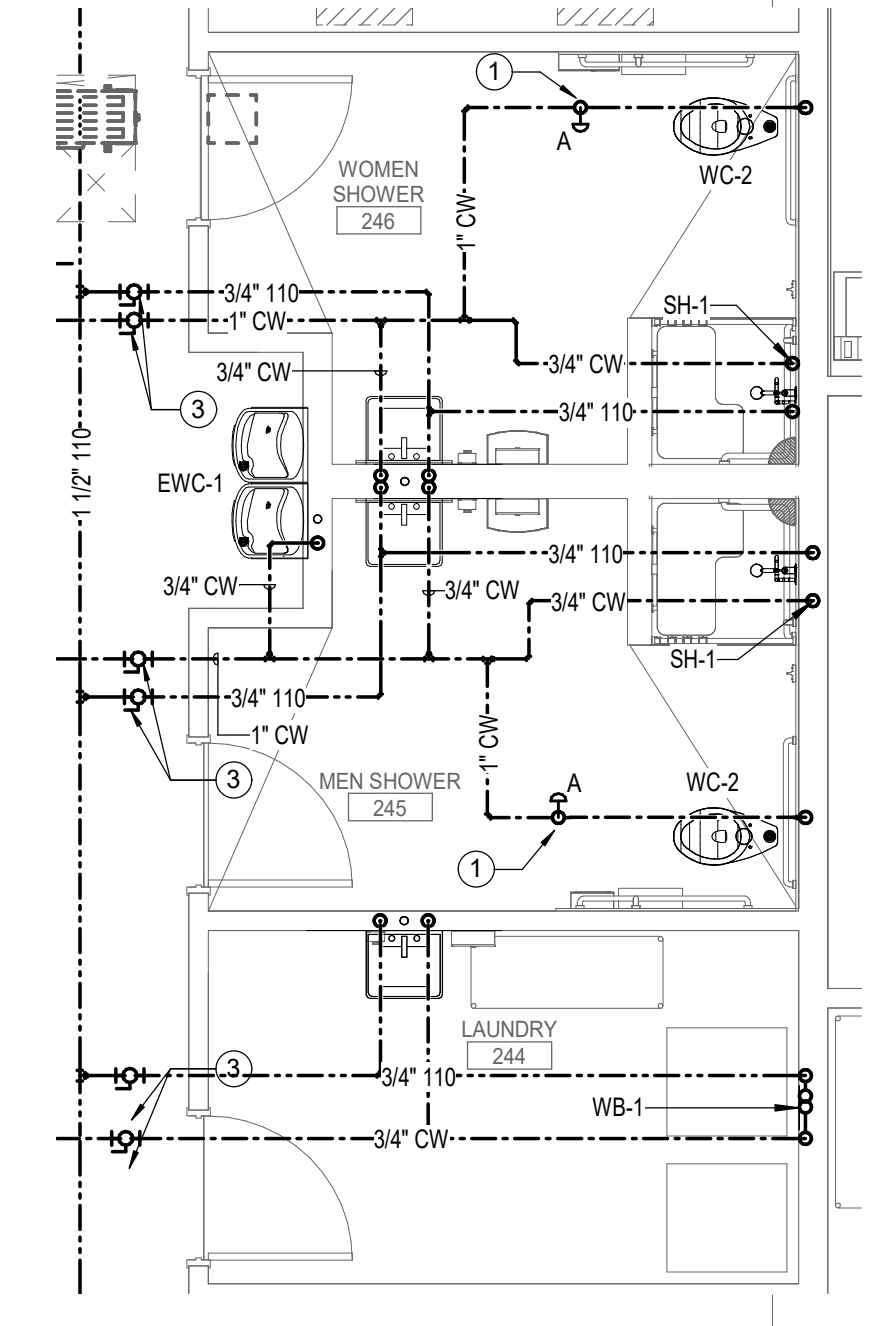
1 ENLARGED WASTE AND VENT PLAN - AREA A - LAUNDRY AND SHOWER 245,246
1/4" = 1'-0"



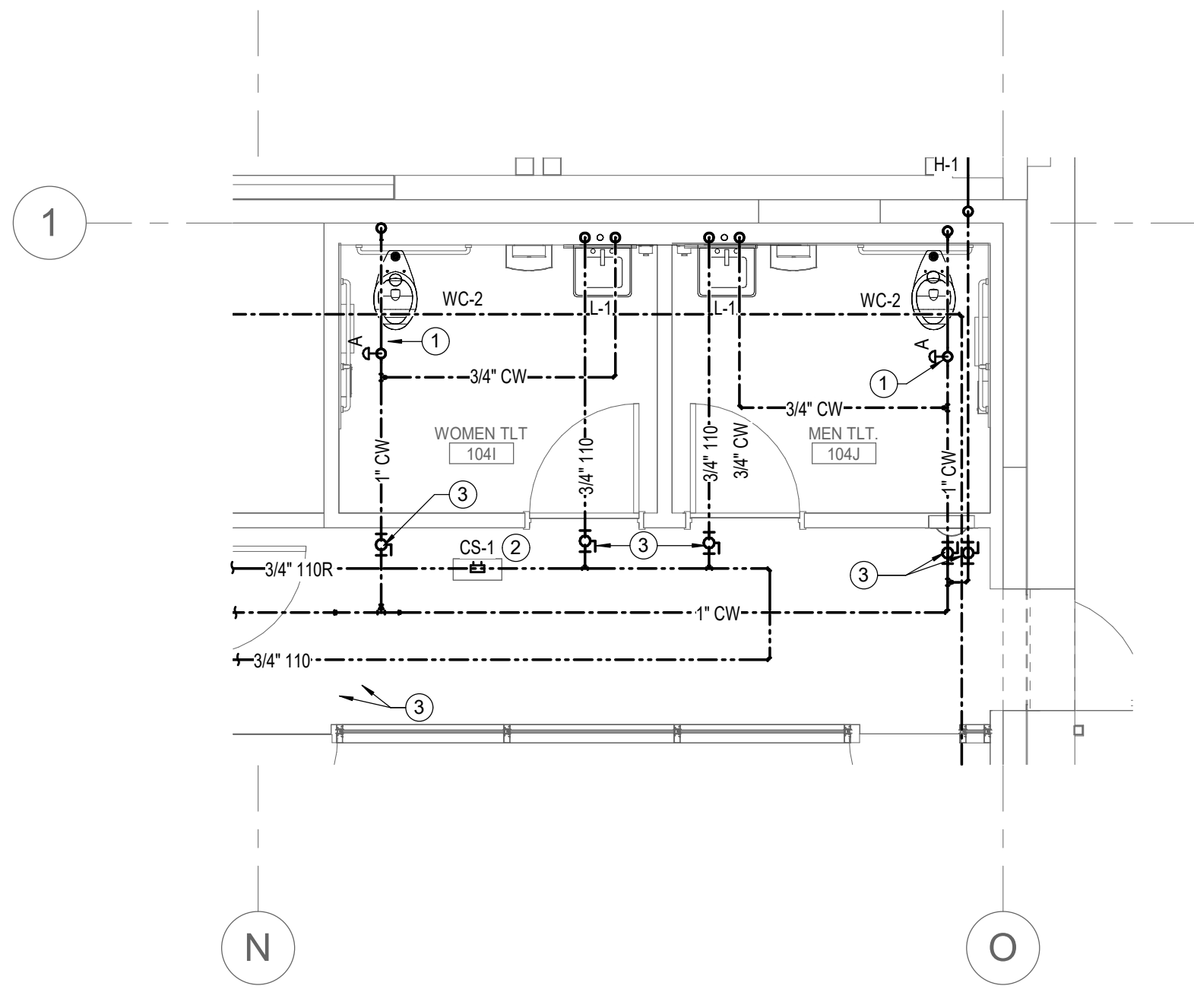
3 ENLARGED WASTE AND VENT PLAN - AREA A - OPEN OFFICE & STAFF TOILETS 104
1/4" = 1'-0"



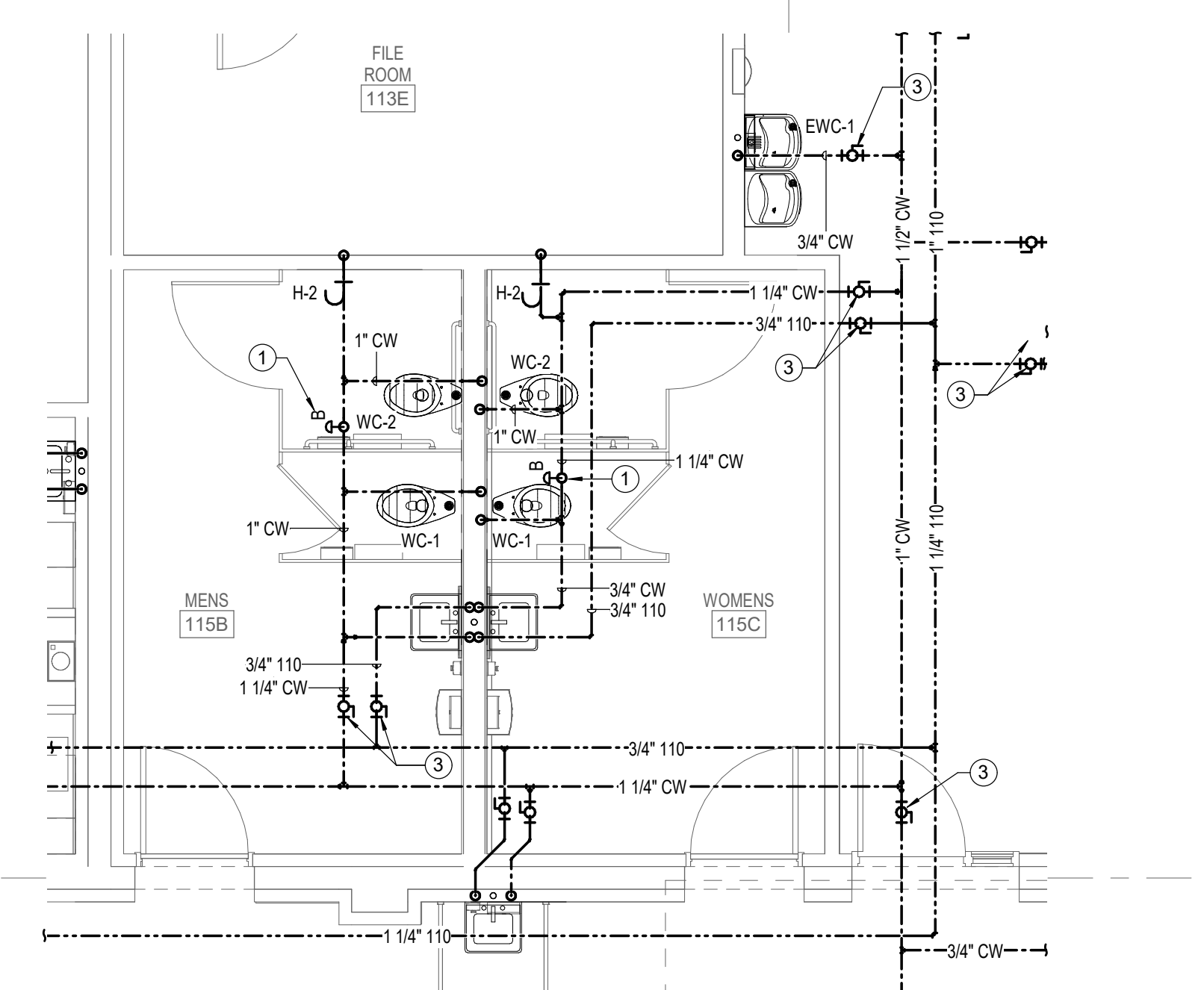
5 ENLARGED WASTE AND VENT PLAN - AREA A - ADC TOILETS 115
1/4" = 1'-0"



2 ENLARGED DOMESTIC WATER PLAN - AREA A - LAUNDRY AND SHOWER 245,246
1/4" = 1'-0"



4 ENLARGED DOMESTIC WATER PLAN - AREA A - OPEN OFFICE & STAFF TOILET 104
1/4" = 1'-0"



6 ENLARGED DOMESTIC WATER PLAN - AREA A - ADC TOILETS 115
1/4" = 1'-0"

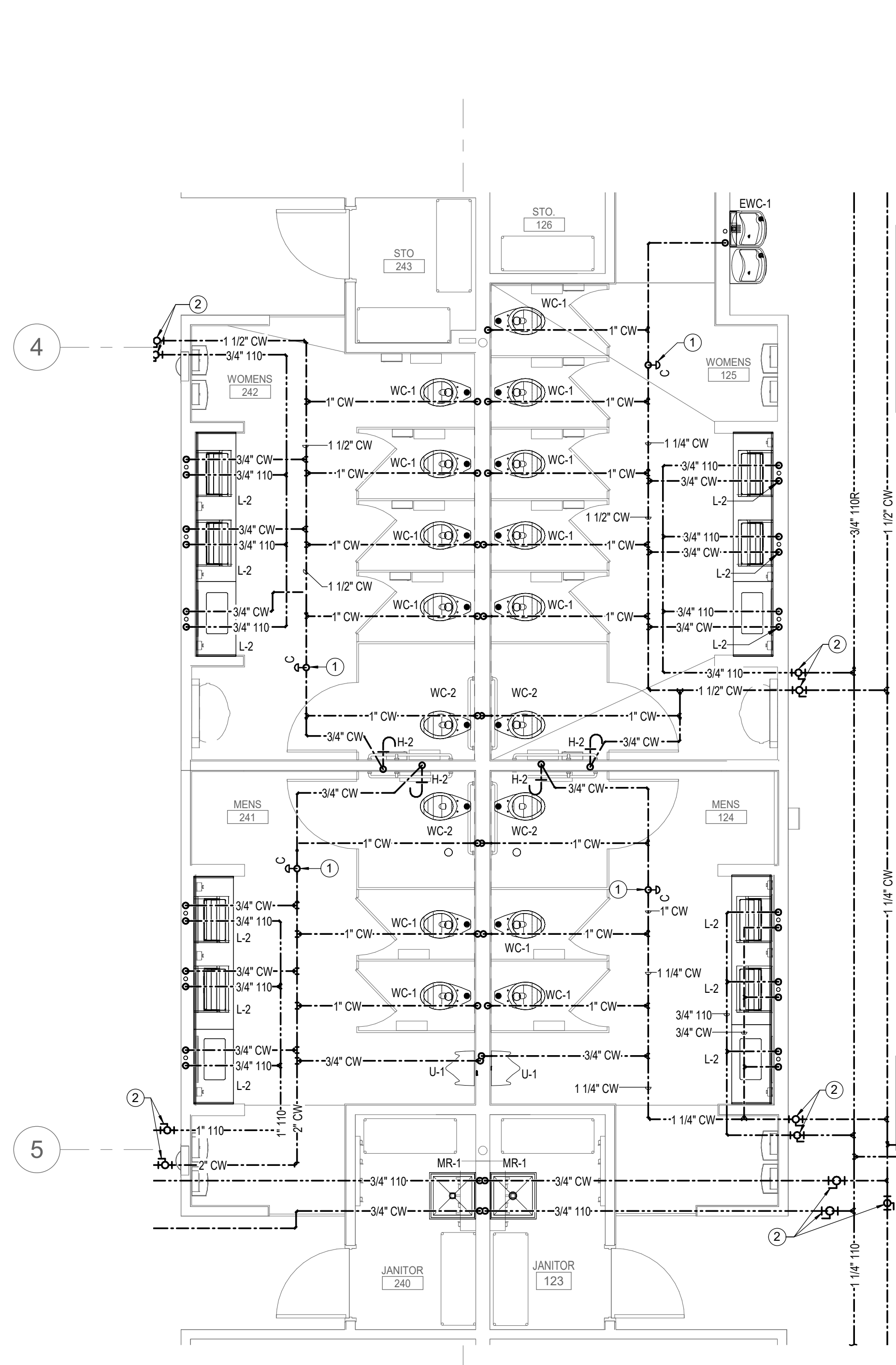
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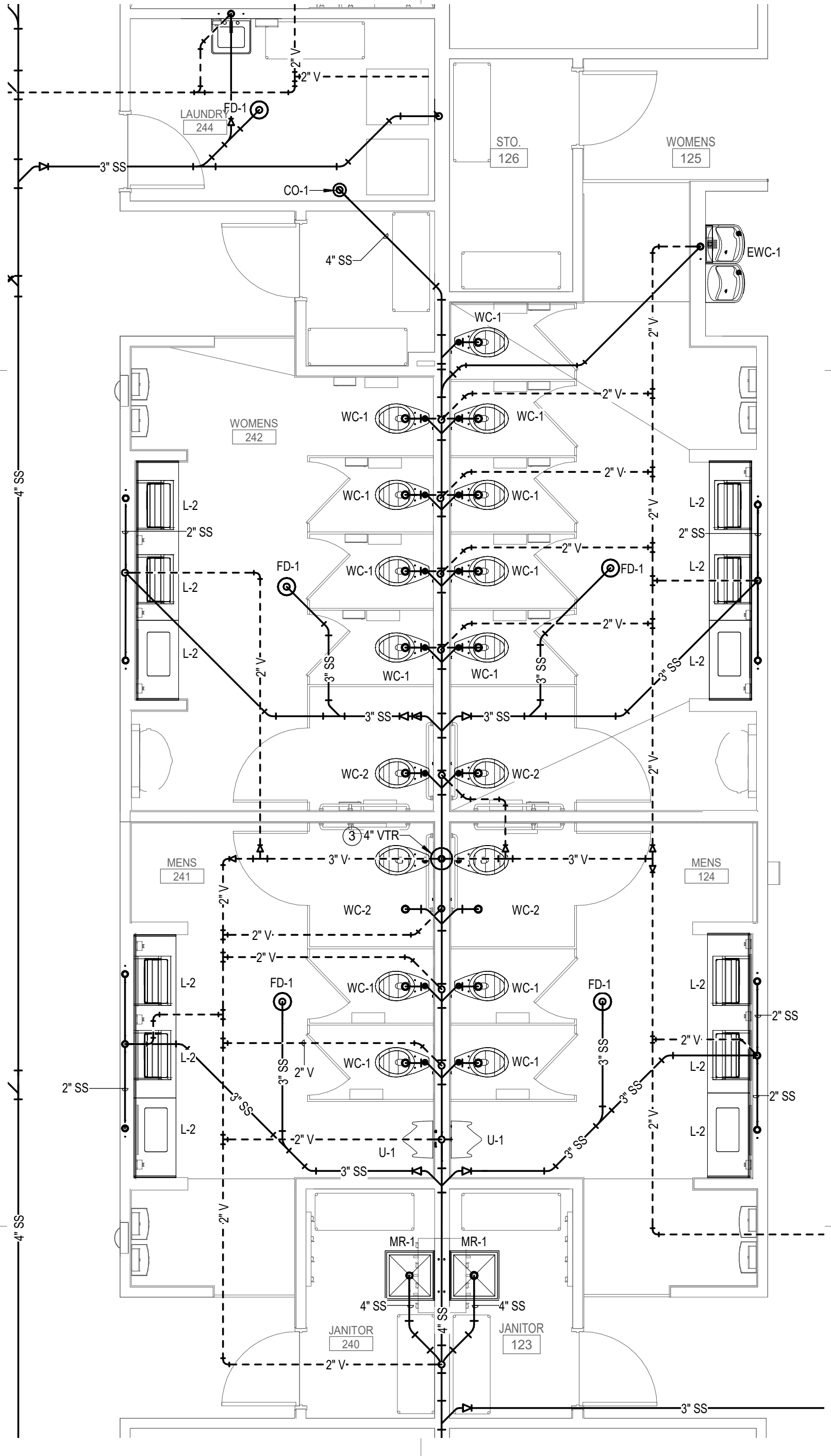
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CHECKED BY: SWC
ENLARGED
DRAWING

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- KEYNOTES:**
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 - VENT PIPING UP TO VTR - REFER TO ROOF PLAN.



1 DOMESTIC WATER - AREA A - MENS & WOMENS TOILET 124, 125, 241, 242
1/4" = 1'-0"



2 WASTE & VENT - AREA A - MENS & WOMENS TOILET 125, 125, 241, 242
1/4" = 1'-0"

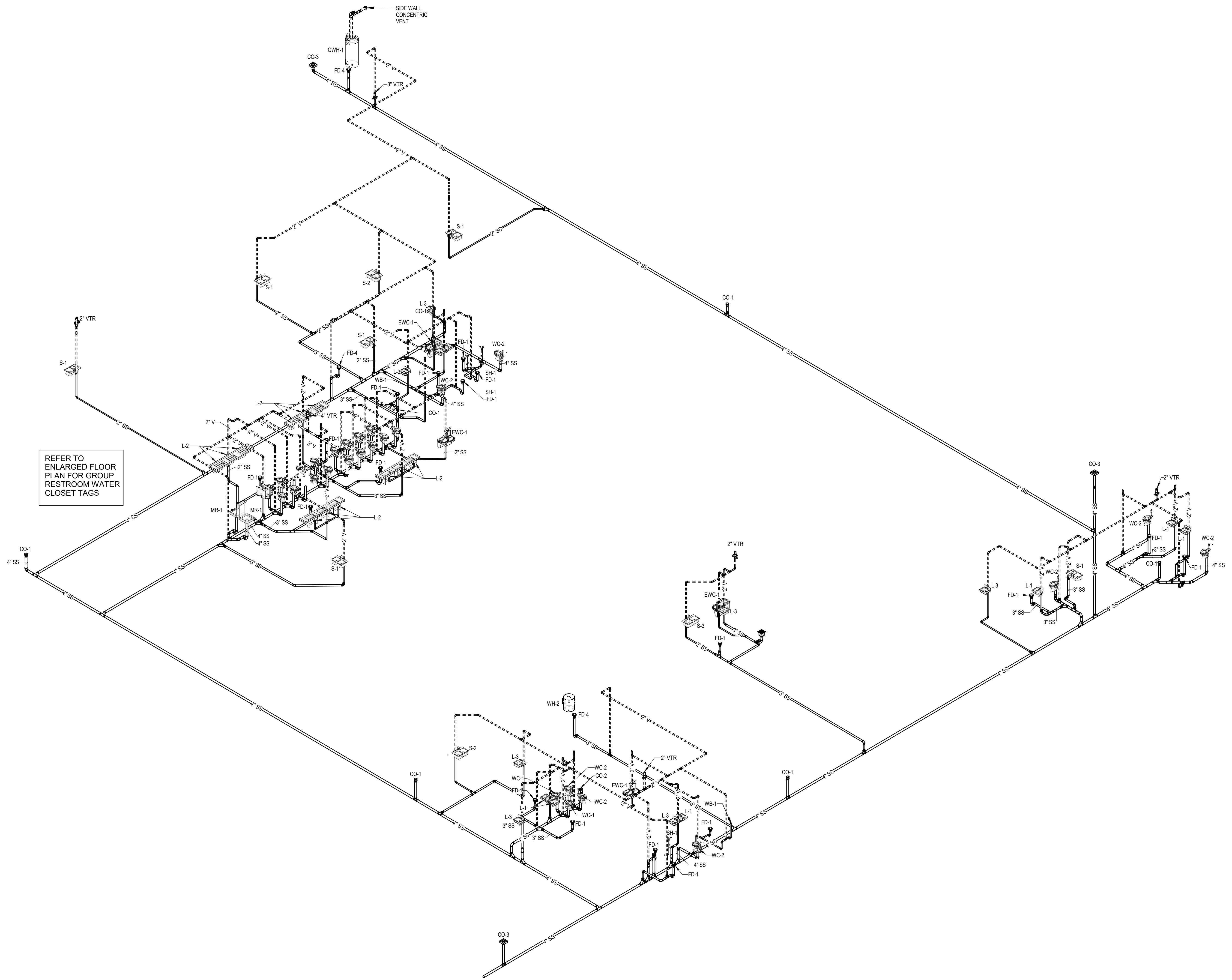
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1 WASTE AND VENT RISER DIAGRAM
NOT TO SCALE

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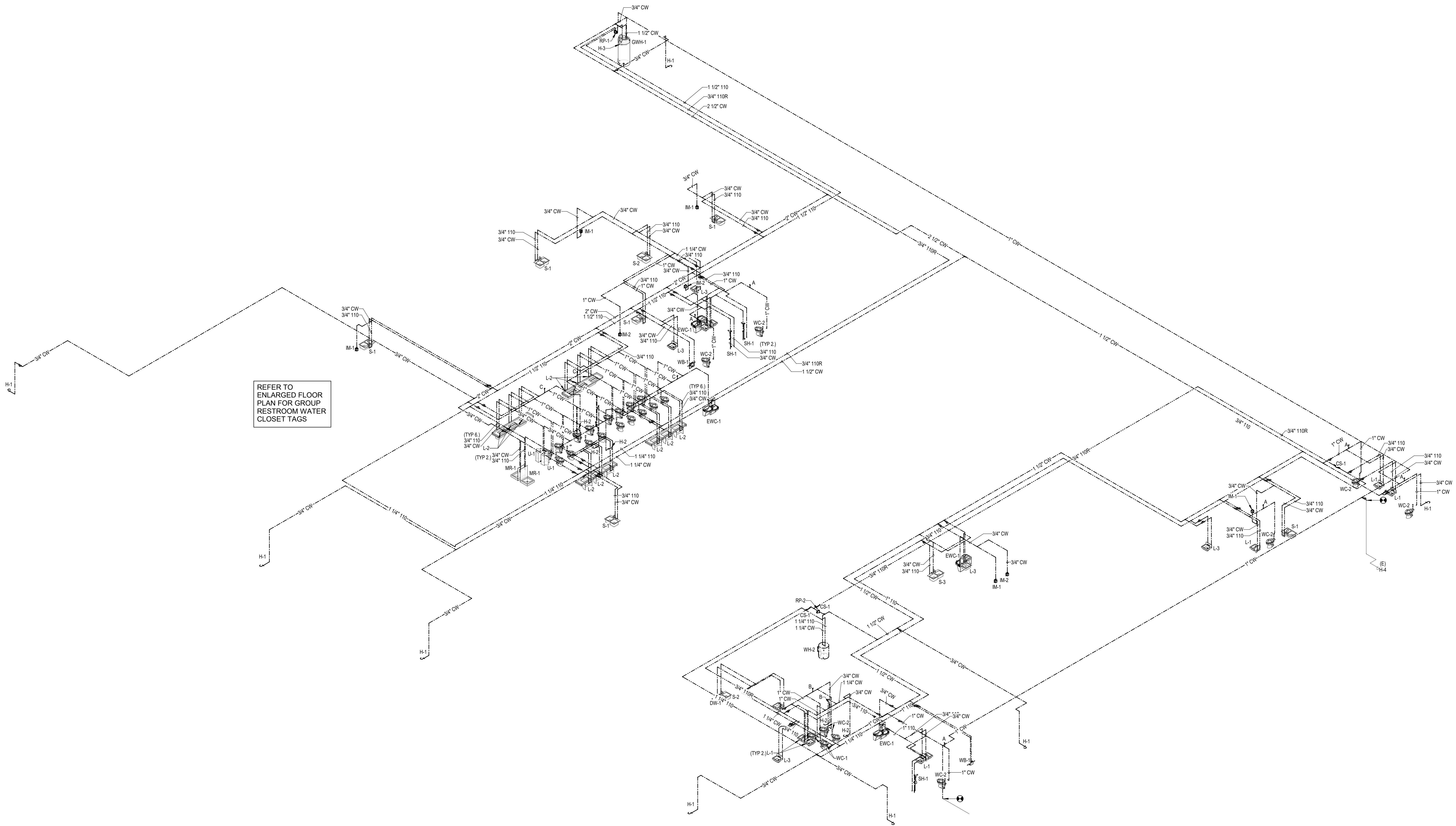
WASTE & VENT
RISER

2021029 16 OCT. 2024

P4-01

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REFER TO ENLARGED FLOOR PLAN FOR GROUP RESTROOM WATER CLOSET TAGS

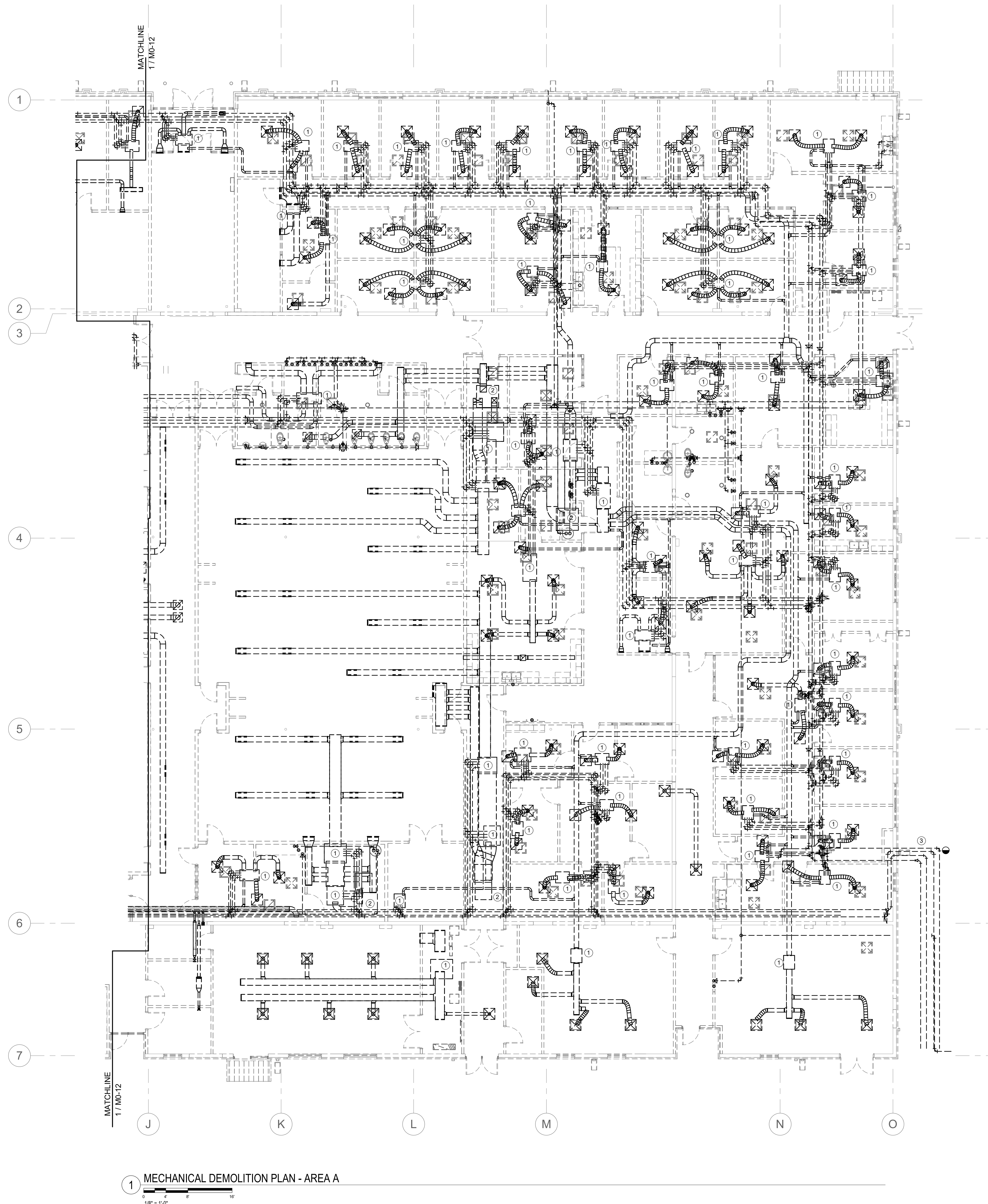
1 DOMESTIC WATER RISER DIAGRAM
NOT TO SCALE

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DRAWN BY: JGG
CHECKED BY: SWC
DOMESTIC WATER RISER

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1 MECHANICAL DEMOLITION PLAN - AREA A

GENERAL NOTES:

- A. DISCONNECT AND REMOVE ALL EXISTING DUCTWORK, PIPING, DIFFUSERS, EQUIPMENT, CONTROLS, AND APPURTENANCES. DEMOLITION DRAWINGS INDICATE THE MAJOR PIECES OF EXISTING EQUIPMENT AND SYSTEMS, BUT DO NOT DEPICT EVERY COMPONENT OF THE EXISTING SYSTEMS. THE CONTRACTOR IS TO DISCONNECT AND REMOVE ALL HVAC SYSTEM COMPONENTS IN THEIR ENTIRETY.
- B. REMOVE ALL EXISTING HANGERS AND SUPPORT HARDWARE.

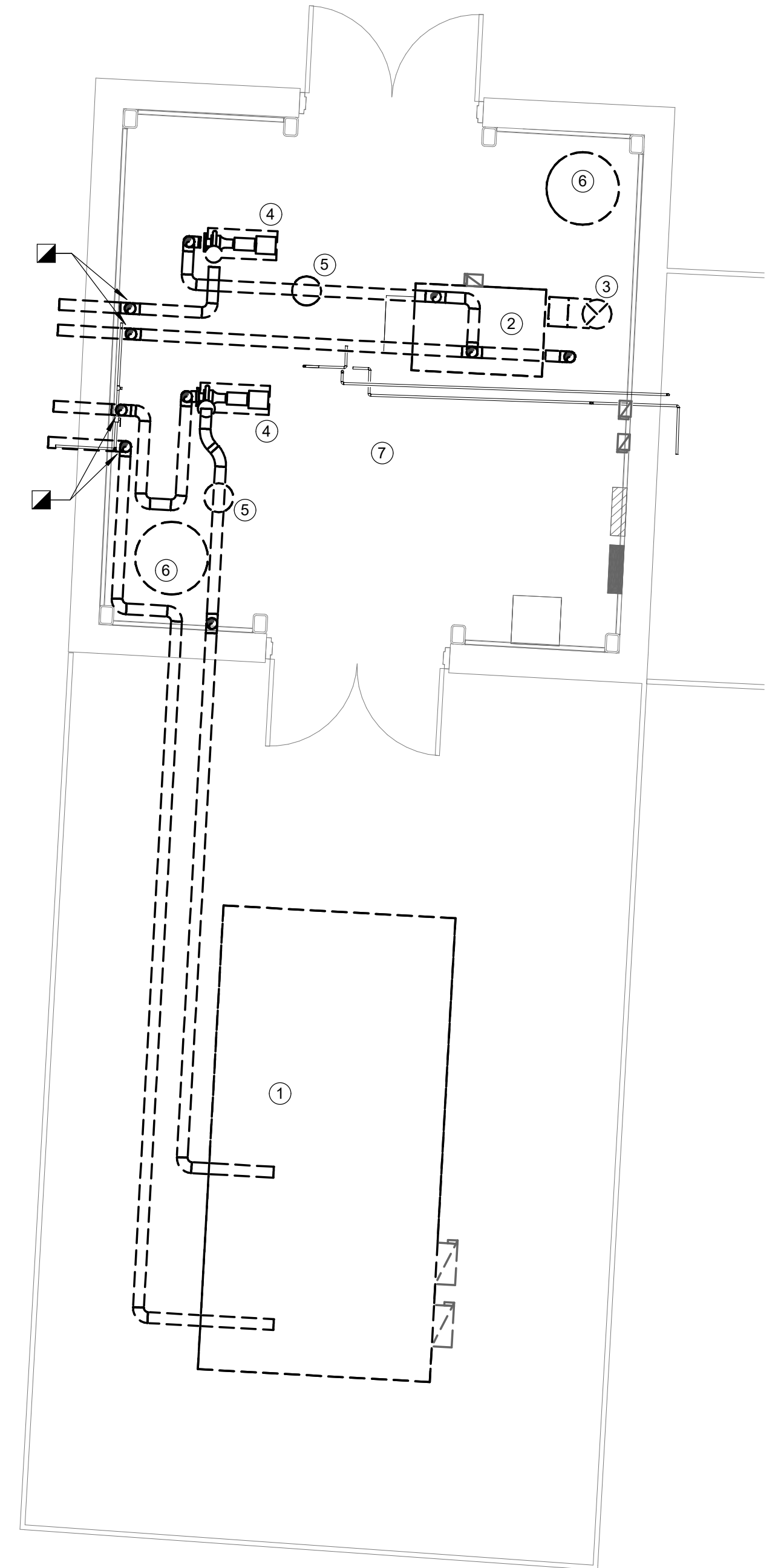
KEYNOTES:

- 1. DISCONNECT AND REMOVE EXISTING FAN COIL AND ALL ASSOCIATED DUCTWORK, PIPING, CONTROLS, AND APPURTENANCES.
- 2. DISCONNECT AND REMOVE EXISTING AIR-TO-AIR HEAT EXCHANGER AND ASSOCIATED DUCTWORK AND APPURTENANCES.
- 3. DISCONNECT EXISTING HOT AND CHILLED WATER PIPING AT POINT OUTSIDE THE BUILDING, CAP, AND ABANDON UNDERGROUND PIPING IN PLACE.

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DEMOLITION PLAN - AREA A



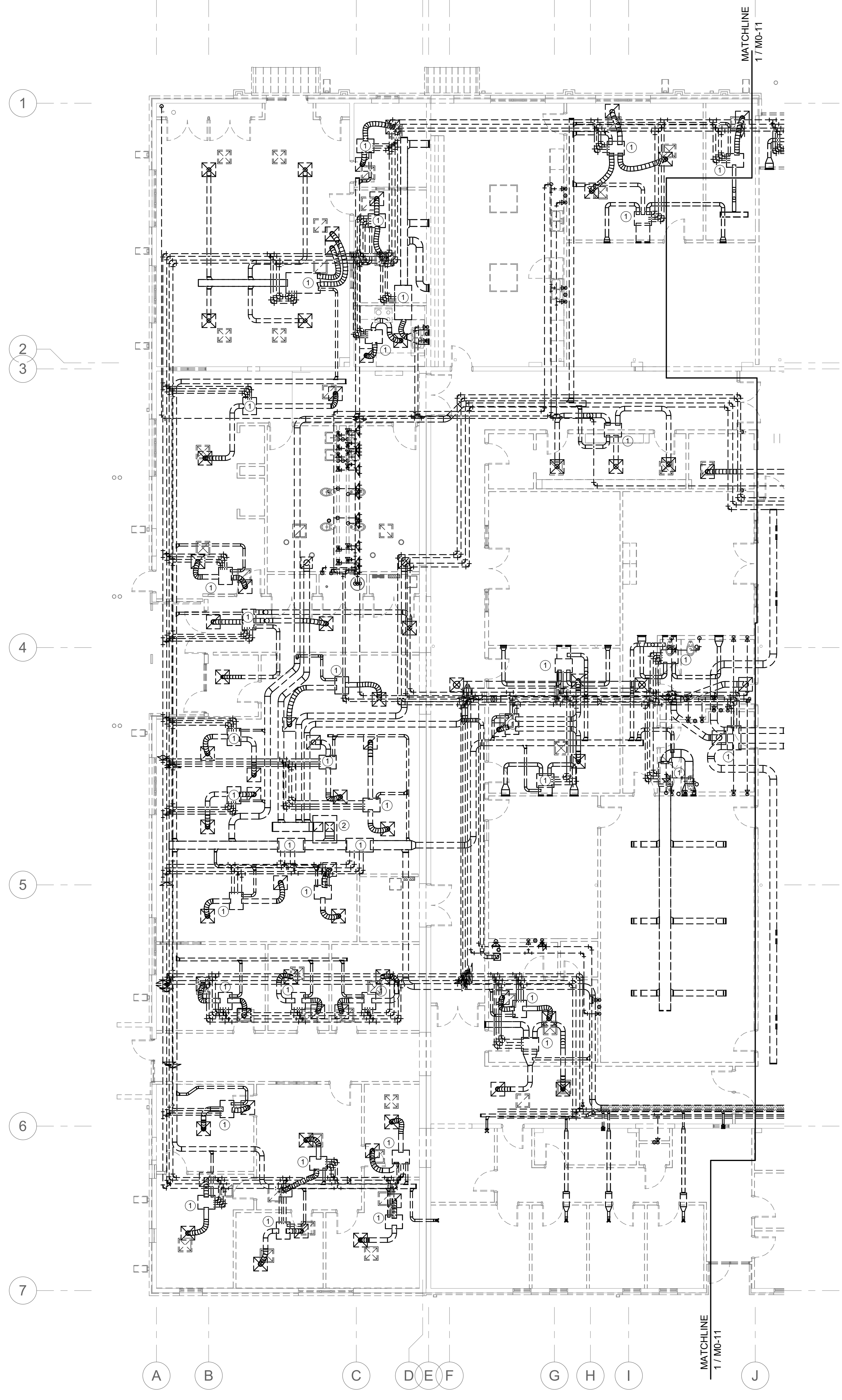
2 DEMOLITION PLAN - MECHANICAL BUILDING
1/4" = 1'-0"

KEYNOTES:

1. DISCONNECT CHILLER FROM EXISTING PIPING AND ELECTRICAL CONNECTIONS. REMOVE CHILLER AND ALL APPURTENANCES.
2. DISCONNECT EXISTING BOILER FROM EXISTING PIPING, FLUE, AND FUEL SOURCE AND COMPLETE REMOVE.
3. REMOVE BOILER FLUE.
4. DISCONNECT AND REMOVE EXISTING PUMP.
5. DISCONNECT AND REMOVE EXISTING AIR SEPARATOR.
6. DISCONNECT AND REMOVE EXISTING EXPANSION TANK.
7. DISCONNECT AND REMOVE ALL EXISTING CHILLED WATER AND HOT WATER PIPING. REMOVE EXISTING MAKEUP WATER ASSEMBLIES. CAP ABANDONED UNDERGROUND PIPING FLUSH WITH FLOOR.

GENERAL NOTES:

- A. DISCONNECT AND REMOVE ALL EXISTING DUCTWORK, PIPING, EQUIPMENT, CONTROLS, AND APPURTENANCES. DEMOLITION DRAWINGS INDICATE THE MAJOR PIECES OF EXISTING EQUIPMENT AND SYSTEMS, BUT DO NOT DEPICT EVERY COMPONENT OF THE EXISTING SYSTEMS. THE CONTRACTOR IS TO DISCONNECT AND REMOVE ALL HVAC SYSTEM COMPONENTS IN THEIR ENTIRETY.
- B. REMOVE ALL EXISTING HANGERS AND SUPPORT HARDWARE.
- C. ABANDON EXISTING UNDERGROUND HYDRONIC PIPING.



1 MECHANICAL DEMOLITION PLAN - AREA A
1/8" = 1'-0"

GENERAL NOTES:

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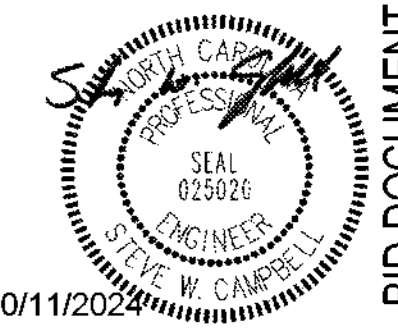
KEYNOTES:

1. DISCONNECT AND REMOVE EXISTING FAN COIL AND ALL ASSOCIATED DUCTWORK, PIPING, CONTROLS, AND APPURTENANCES.
2. DISCONNECT AND REMOVE EXISTING AIR-TO-AIR HEAT EXCHANGER AND ASSOCIATED DUCTWORK AND APPURTENANCES.

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DRAWN BY: JAV
CHECKED BY: SWC
DEMOLITION PLAN - AREA B

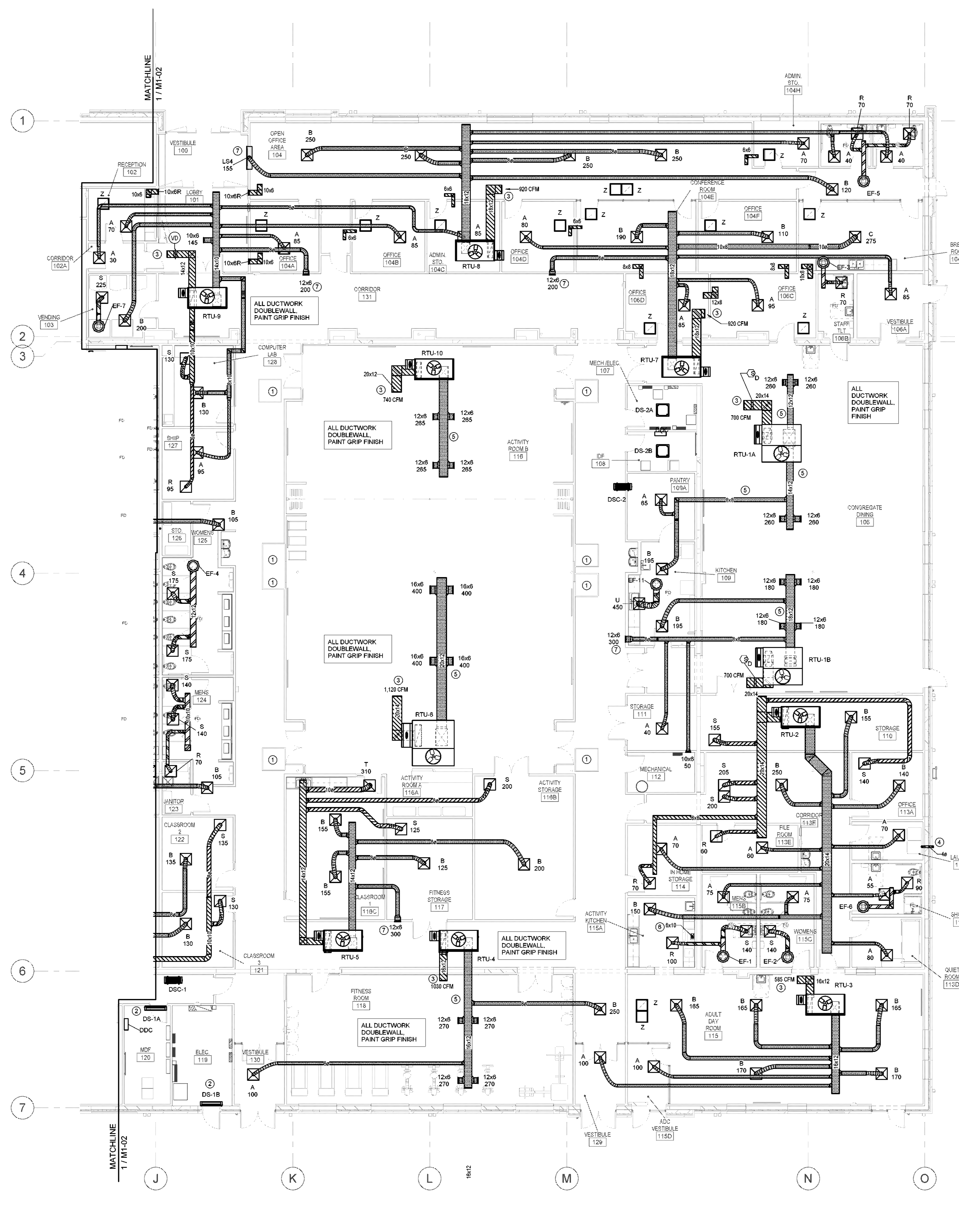


10/11/2024

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GENERAL NOTES:

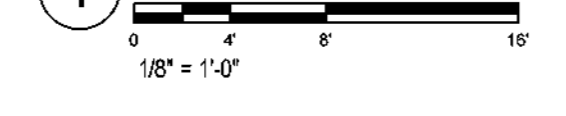
- A. PROVIDE BALANCING DAMPERS ON ALL LOW PRESSURE SUPPLY, RETURN, AND EXHAUST BRANCH DUCTS AND RUNOUTS. ALL BALANCING DAMPERS SHALL BE IDENTIFIED AND EASILY ACCESSIBLE.
- B. ALL DUCT DIMENSIONS ARE INSIDE CLEAR.
- C. ABOVE HARD CEILINGS, PROVIDE BALANCING DAMPER IN GALVANIZED STEEL DUCT WITHIN 30" OF DIFFUSER/GRILLE. PROVIDE ACCESSORY ALUMINUM MOUNT FRAME/PLASTER FRAME FOR HARD CEILING THAT ALLOWS DIFFUSER WITH FLEX CONNECTION TO BE LIFTED OUT OF FRAME TO ACCESS CEILING SPACE.
- D. BRANCH RUNOUTS TO DIFFUSERS SHALL BE THE SIZE LISTED ON THE AIR TERMINAL SCHEDULE, UNLESS NOTED OTHERWISE.
- E. ALL DUCTWORK INSTALLED EXPOSED TO VIEW SHALL HAVE PAINT GRIP FINISH, COORDINATE PAINTING OF ALL EXPOSED DUCTWORK WITH ARCHITECTURE FINISH DRAWINGS AND SCHEDULES.

KEYNOTES:

- 1. EXISTING SKYLIGHT.
- 2. UNIT TO BE LOCATED ABOVE DOOR.
- 3. COVER DUCT WITH MESH HARDWARE CLOTH.
- 4. PROVIDE DRYER VENT BOX AND EXTEND 4" DRYER VENT THROUGH WALL. TERMINATE WITH CAP.
- 5. ALL DUCTWORK THIS ROOM SHALL BE DOUBLE-WALL CONSTRUCTION WITH PAINT GRIP FINISH.
- 6. PROVIDE VENT FOR HOOD. TERMINATE THROUGH ROOF WITH WALL PENETRATION OR EQUIVALENT AND BACKDRAFT DAMPER.
- 7. HEIGHT OF WALL DIFFUSER TO BE COORDINATED WITH ARCHITECT.

NOTE: UNLESS INDICATED OTHERWISE, IT IS INTENDED TO RUN ALL DUCTWORK ABOVE THE JOISTS. ALL RUNOUTS TO DIFFUSERS ARE TO BE RUN THROUGH THE JOIST WEBBING.

1 DUCTWORK PLAN - AREA A



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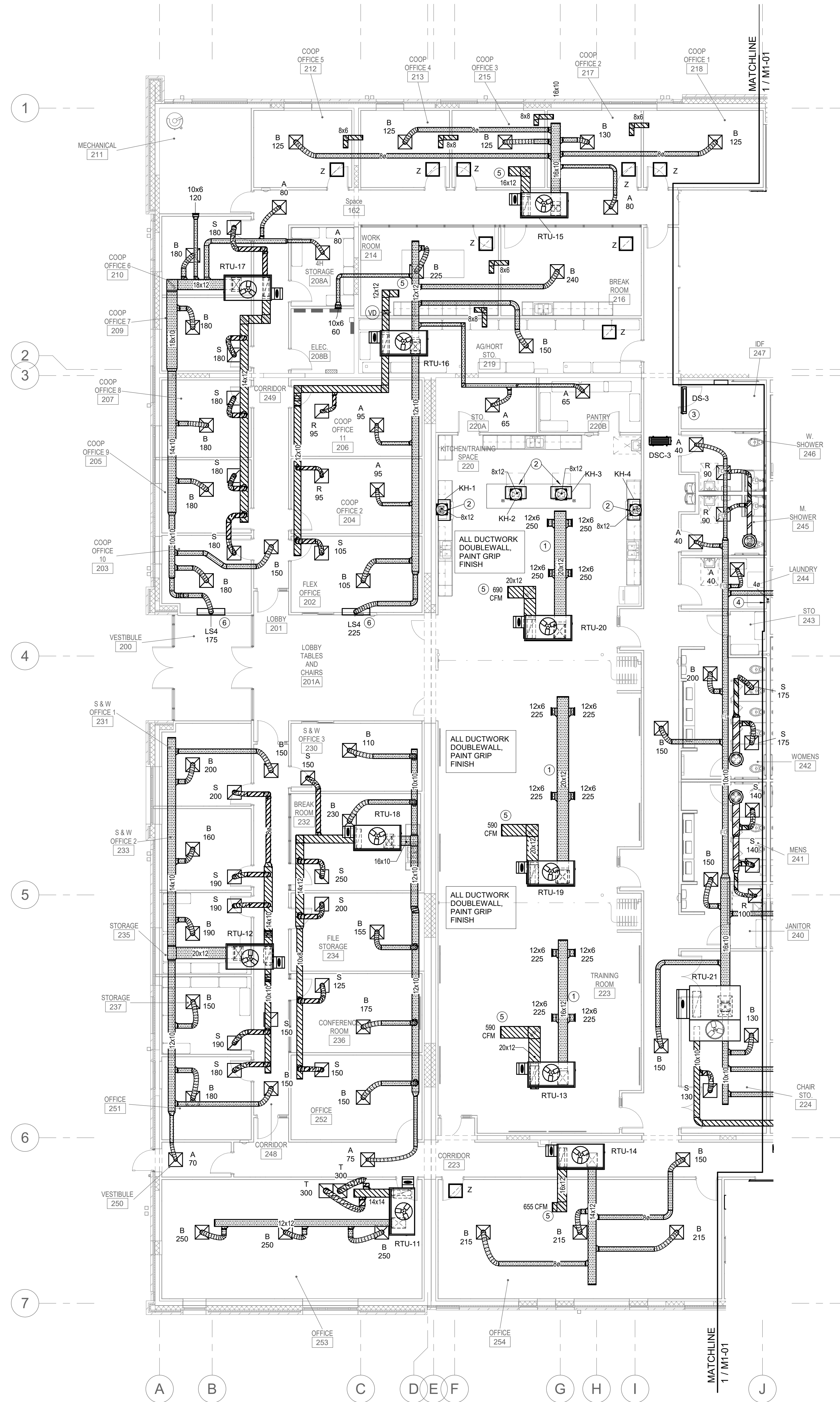
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DUCTWORK PLAN - AREA A

2021029 16 OCT. 2024

M1-01



1 DUCTWORK PLAN - AREA B
1/8" = 1'-0"

GENERAL NOTES:

- A. PROVIDE BALANCING DAMPERS ON ALL LOW PRESSURE SUPPLY, RETURN, AND EXHAUST BRANCH DUCTS AND RUNOUTS. ALL BALANCING DAMPERS SHALL BE IDENTIFIED AND EASILY ACCESSIBLE.
- B. ALL DUCT DIMENSIONS ARE INSIDE CLEAR.
- C. ABOVE HARD CEILINGS, PROVIDE BALANCING DAMPER IN GALVANIZED STEEL DUCT WITHIN 30" OF DIFFUSER/GRILLE. PROVIDE ACCESSORY ALUMINUM MOUNT FRAME/PLASTER FRAME FOR HARD CEILING THAT ALLOWS DIFFUSER WITH FLEX CONNECTION TO BE LIFTED OUT OF FRAME TO ACCESS CEILING SPACE.
- D. BRANCH RUNOUTS TO DIFFUSERS SHALL BE THE SIZE LISTED ON THE AIR TERMINAL SCHEDULE, UNLESS NOTED OTHERWISE.
- E. ALL DUCTWORK INSTALLED EXPOSED TO VIEW SHALL HAVE PAINT GRIP FINISH. COORDINATE PAINTING OF ALL EXPOSED DUCTWORK WITH ARCHITECTURE FINISH DRAWINGS AND SCHEDULES.

KEYNOTES:

- 1. ALL DUCT IN THIS ROOM SHALL BE DOUBLE WALL CONSTRUCTION WITH PAINT GRIP FINISH.
- 2. PROVIDE HOOD FOR RESIDENTIAL RANGE. REFER TO SCHEDULE. FOR MOUNTING HEIGHT, REFER TO ARCHITECTURAL DRAWINGS. PROVIDE EXHAUST DUCT FROM HOOD, ROUTE TO ROOF HOOD.
- 3. MOUNT UNIT ABOVE DOOR.
- 4. PROVIDE DRYER VENT BOX AND EXTEND 4" DRYER VENT THROUGH ROOF. TERMINATE WITH BACKDRAFT DAMPER AND CAP.
- 5. COVER END OF DUCT WITH MESH HARDWARE CLOTH.
- 6. HEIGHT OF WALL DIFFUSER TO BE COORDINATED WITH ARCHITECT.

NOTE: UNLESS INDICATED OTHERWISE, IT IS INTENDED TO RUN ALL DUCTWORK ABOVE THE BOTTOM CHORD TO THE JOISTS. ALL RUNOUTS TO DIFFUSERS ARE TO BE RUN THROUGH THE JOIST WEBBING.

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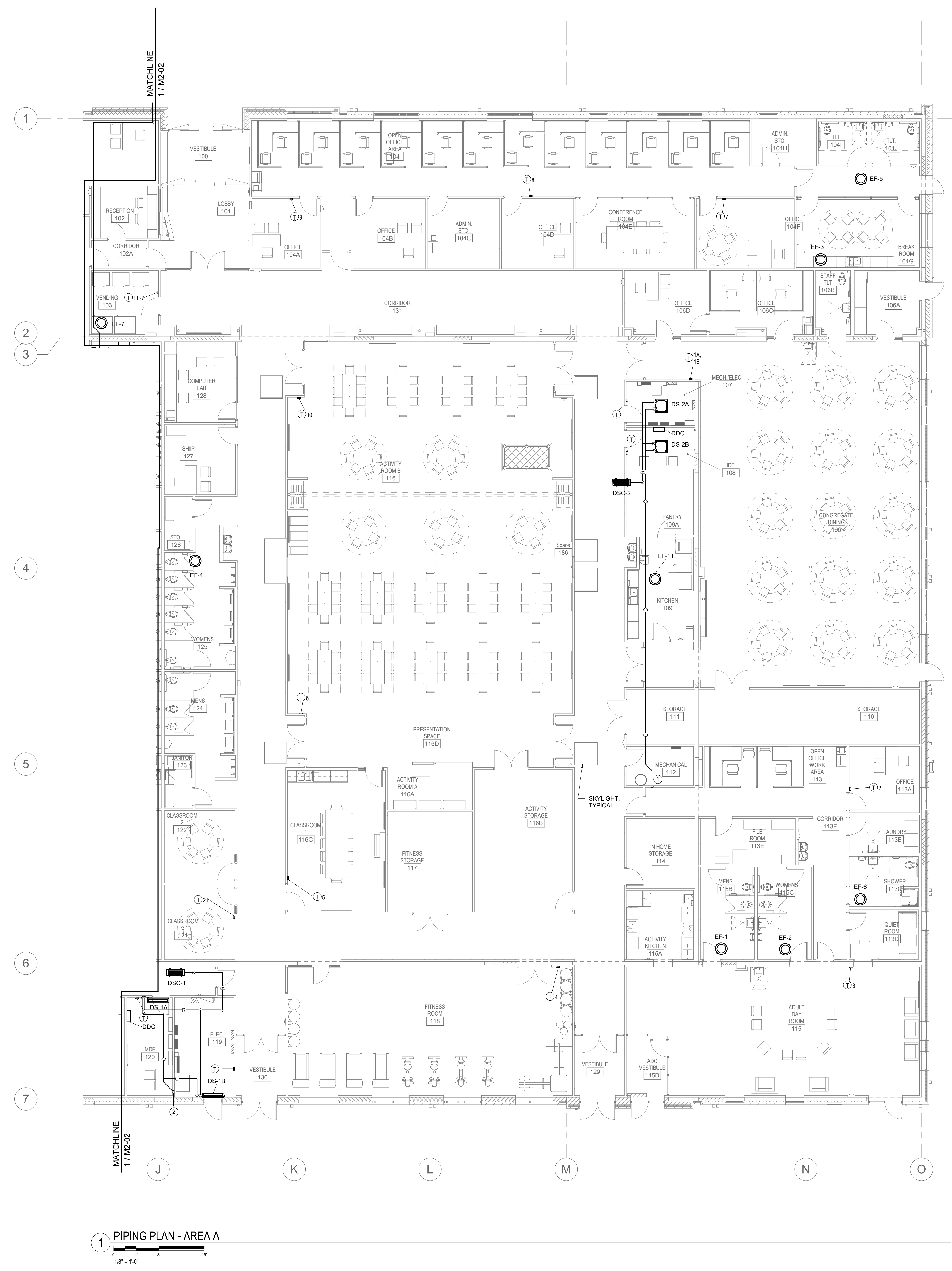
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ID	DATE	DESCRIPTION

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DUCTWORK PLAN - AREA B

ID	DATE	DESCRIPTION

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CHECKED BY: SWC
PIPING PLAN - AREA A



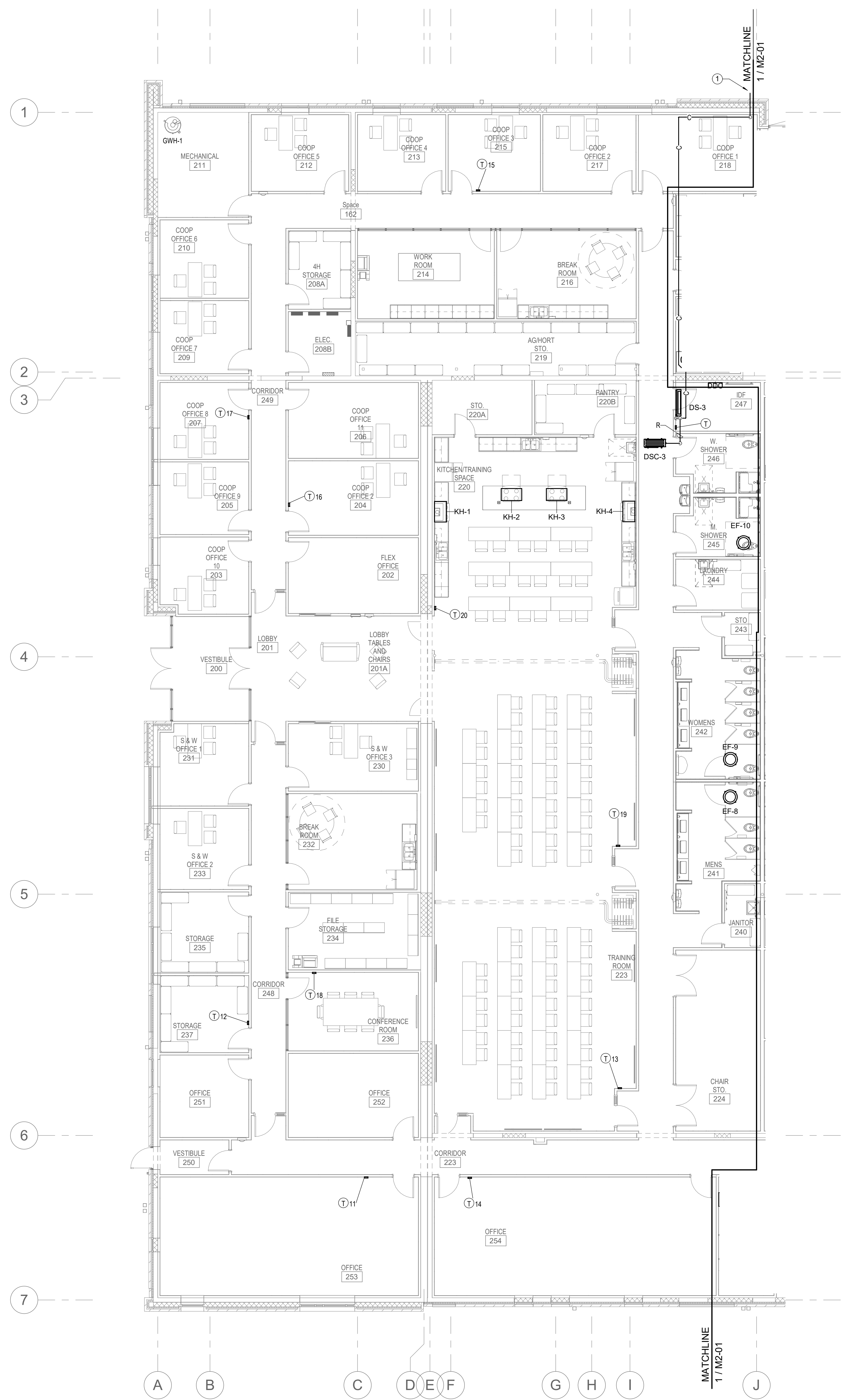
GENERAL NOTES:

- A. MECHANICAL AND BAS CONTRACTORS SHALL REVIEW THE FINAL CASEWORK AND FFE DRAWINGS AND IDENTIFY POTENTIAL CONFLICTS WITH THERMOSTAT AND SENSORS PRIOR TO ROUGH-IN. NOTIFY ARCHITECT AND ENGINEER OF CONFLICTS AND DISCREPANCIES.
- B. ALL THERMOSTATS, SENSORS, AND USER CONTROLS SHALL BE MOUNTED AT 48". DEVICES SHALL BE ALIGNED EXACTLY WITH ADJACENT DEVICES OF OTHER TRADES (LIGHT SWITCHES, OCC SENSORS, ETC.)

KEYNOTES:

- 1. TERMINATE CONDENSATE AT FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR LOCATION.
- 2. EXTEND CONDENSATE THROUGH WALL LOW AND TERMINATE AT RIVER ROCK.

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GENERAL NOTES:

- MECHANICAL AND BAS CONTRACTORS SHALL REVIEW THE FINAL CASEWORK AND FFE DRAWINGS AND IDENTIFY POTENTIAL CONFLICTS WITH THERMOSTAT AND SENSORS PRIOR TO ROUGH-IN. NOTIFY ARCHITECT AND ENGINEER OF CONFLICTS AND DISCREPANCIES.
- ALL THERMOSTATS, SENSORS, AND USER CONTROLS SHALL BE MOUNTED AT 48". DEVICES SHALL BE ALIGNED EXACTLY WITH ADJACENT DEVICES OF OTHER TRADES (LIGHT SWITCHES, OCC SENSORS, ETC.)

KEYNOTES:

- EXTEND CONDENSATE THROUGH WALL LOW AND TERMINATE AT DRY WELL.

1 PIPING PLAN - AREA B
0 4 8 16
1/8" = 1'-0"

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PIPING PLAN - AREA B

2021029 16 OCT. 2024

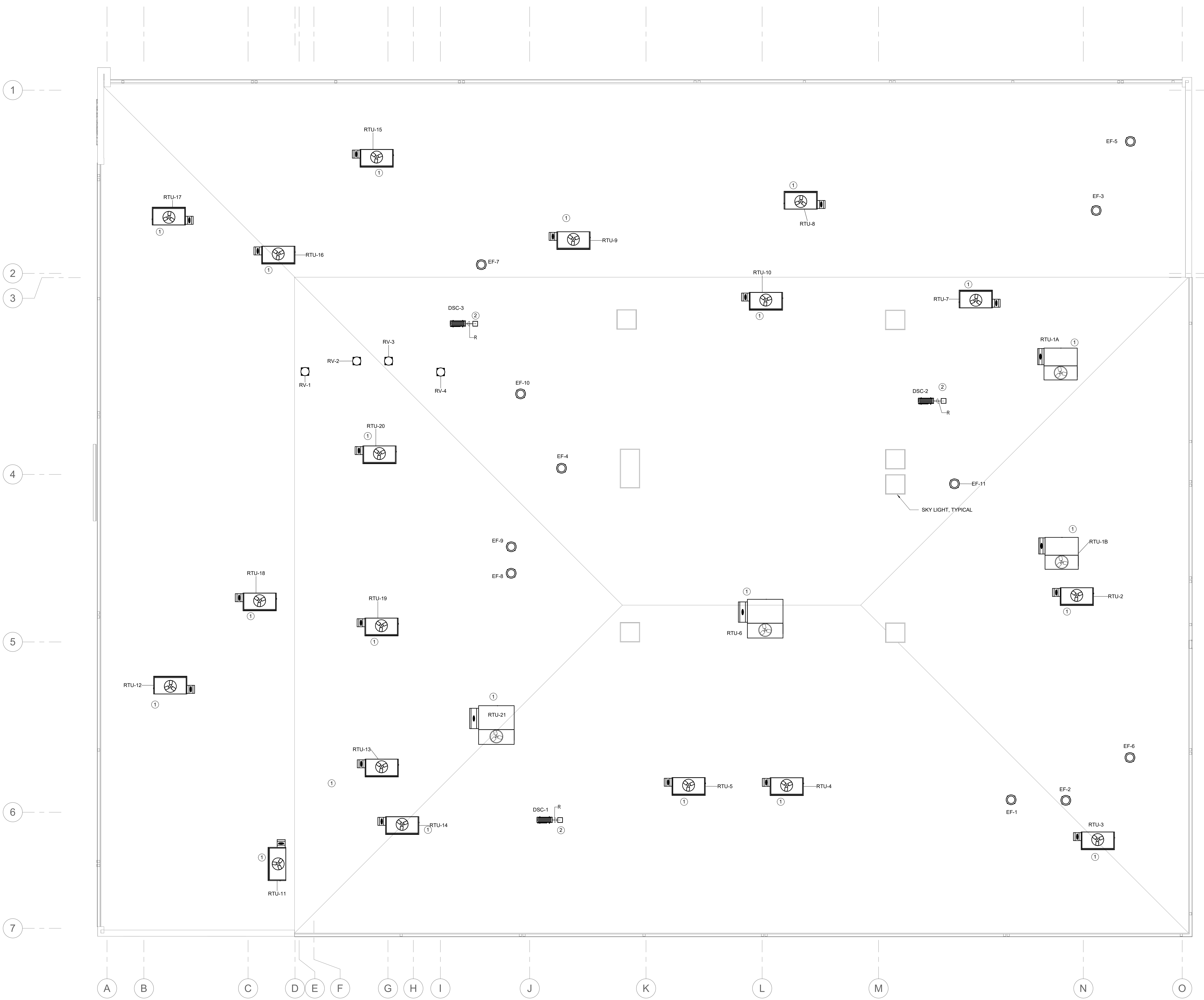
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ID	DATE	DESCRIPTION

ID	DATE	DESCRIPTION

DRAWN BY: JAV
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ROOF PLAN



GENERAL NOTES:

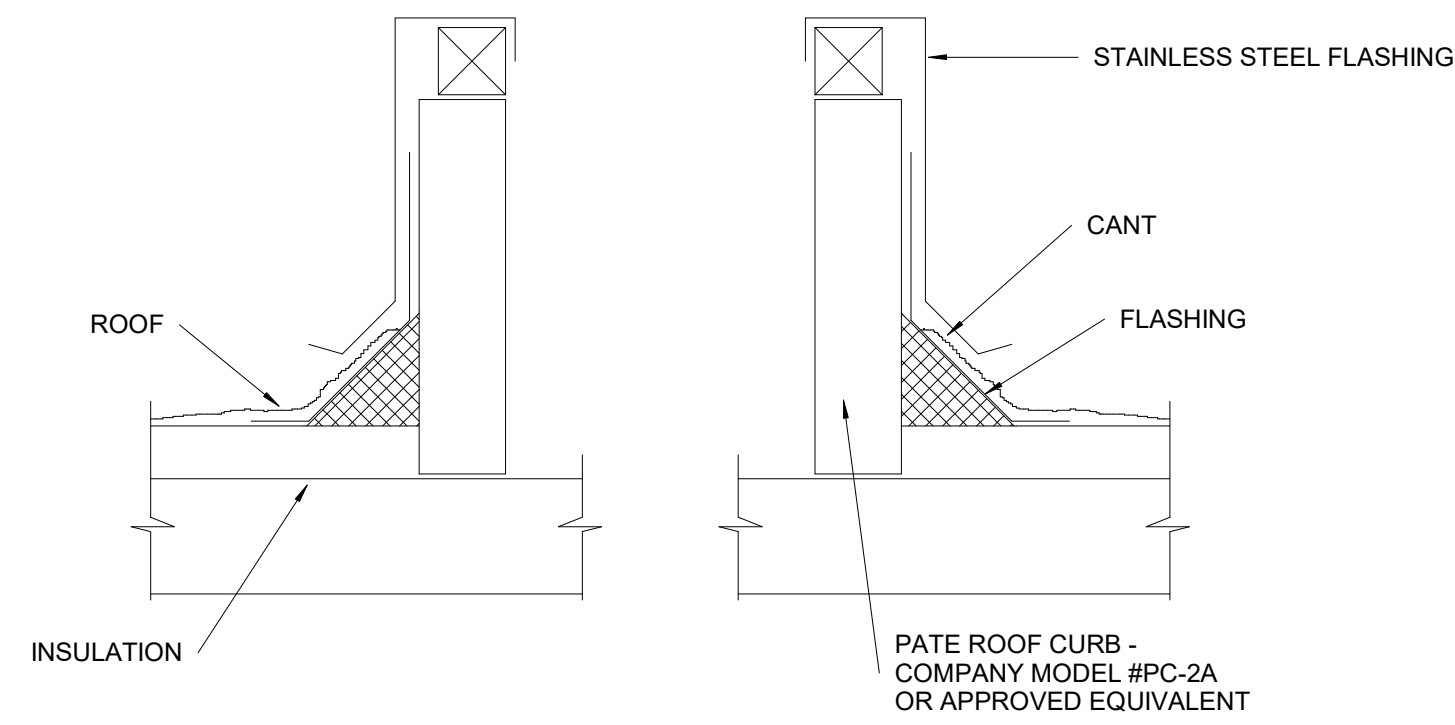
- A. ALL EQUIPMENT SHALL BE LOCATED A MINIMUM OF 10 FT FROM ROOF EDGE.
- B. MAINTAIN 10 FT BETWEEN OUTSIDE AIR INTAKES AND ALL EXHAUST TERMINATIONS AND PLUMBING VTRs.

KEYNOTES:

- 1. EXTEND CONDENSATE TO NEAREST ROOF DRAIN.
- 2. REFRIGERANT PIPING DOWN TO INDOOR UNIT. PROVIDE LINE SET ROOF PENETRATION HOUSING RATED FOR HIGH WIND CONDITION. CYCLONE MODEL BY RPH OR EQUIVALENT
- 3. UNIT AND 10' OF SUPPLY AND RETURN DUCTWORK IS IN BASE BID.

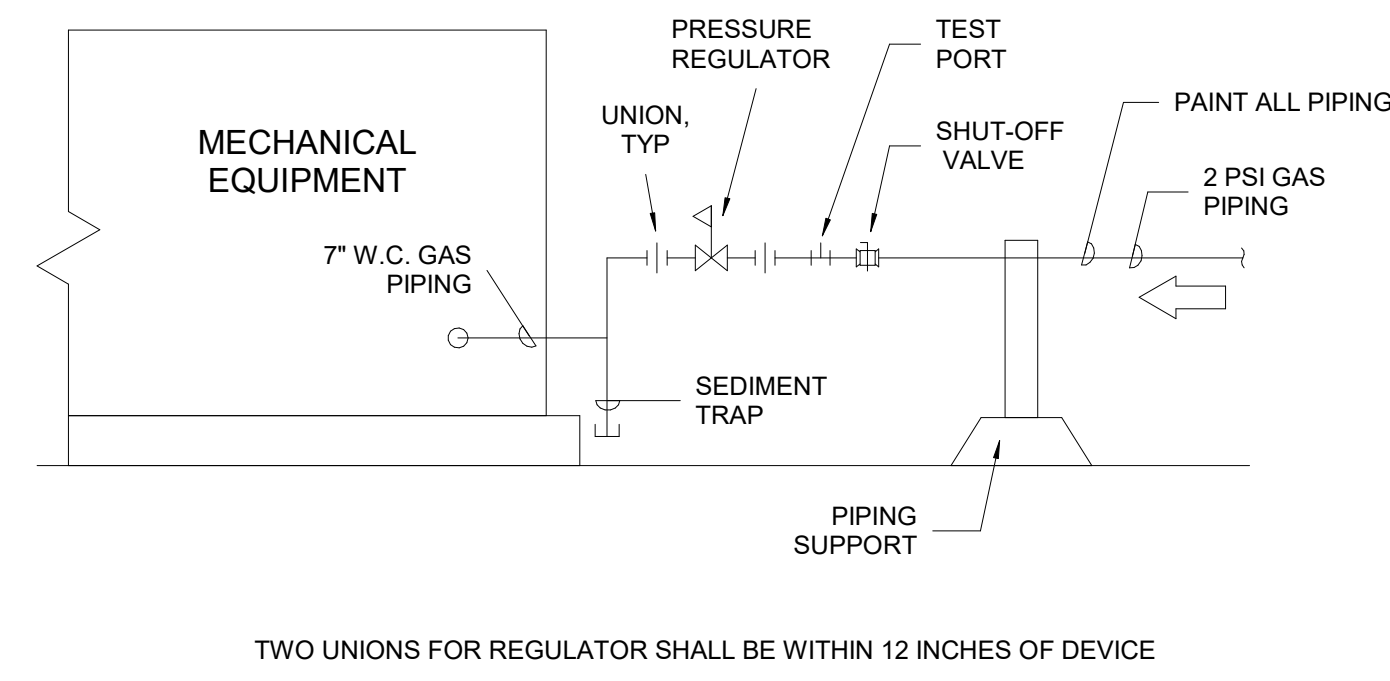
1 ROOF PLAN
1/8" = 1'-0"

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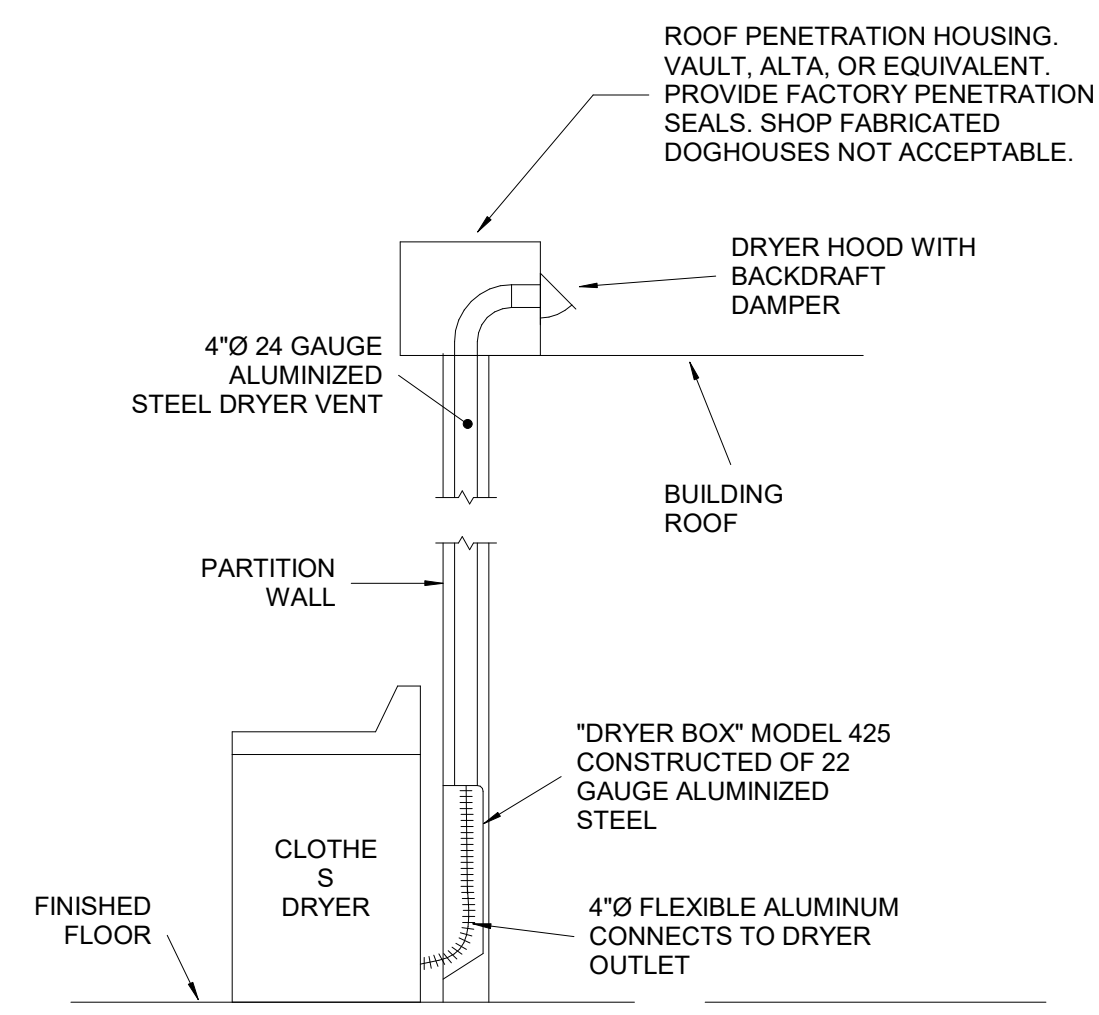
- NOTES:
- REFER TO ROOFING DRAWINGS FOR COORDINATION WITH INSTALLING ROOF CURBS
 - CURB AND ATTACHMENTS TO STRUCTURE SHALL BE RATED FOR PROJECT WIND ZONE. PROVIDE SHOP DRAWINGS SEALED BY NC LICENSED ENGINEER.

10 DETAIL - ROOF CURB
NOT TO SCALE



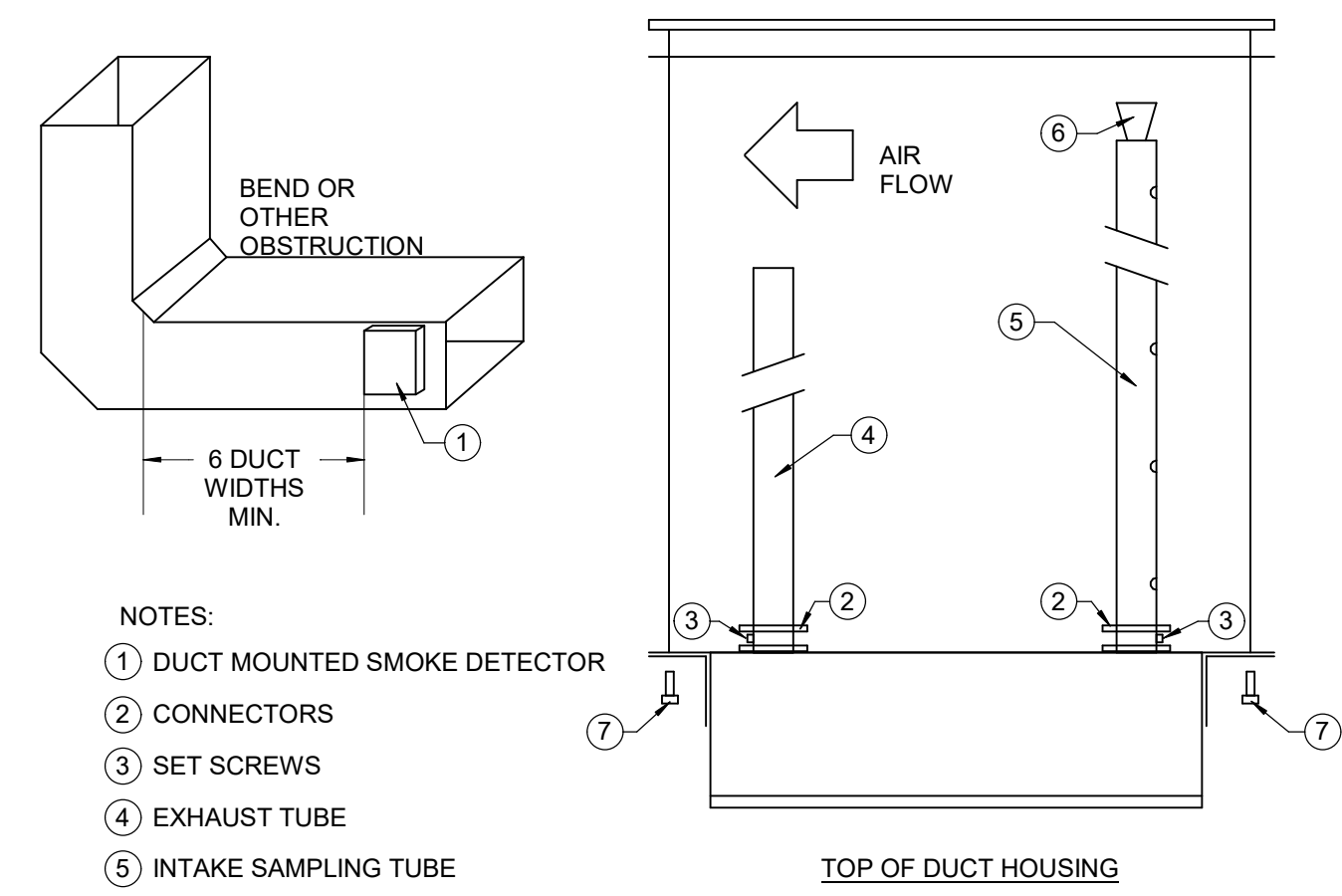
TWO UNIONS FOR REGULATOR SHALL BE WITHIN 12 INCHES OF DEVICE

11 M - DETAIL - TYPICAL GAS CONNECTION
NOT TO SCALE



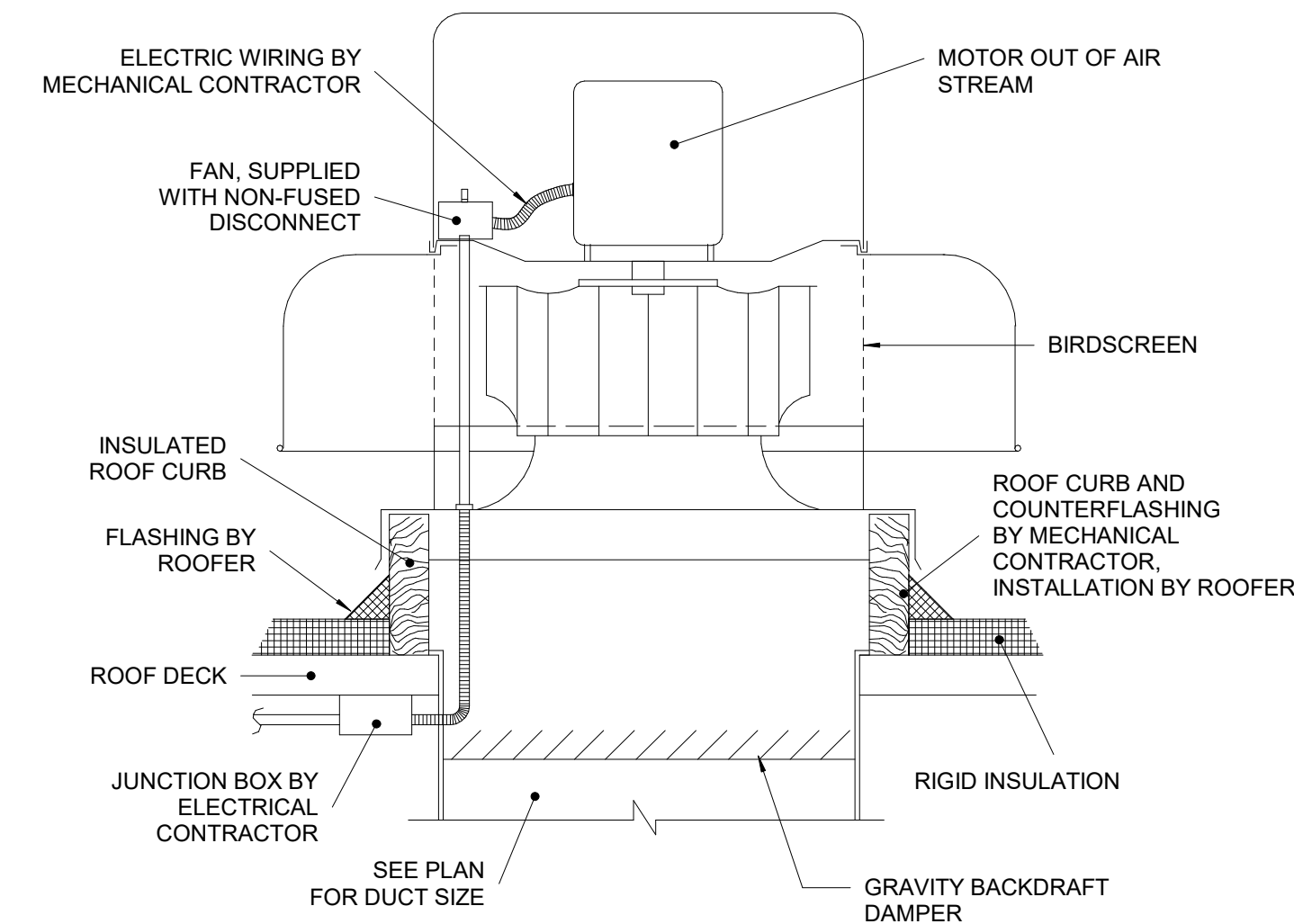
NOTE: NO SCREWS SHALL BE USED FOR DRYER VENT DUCT CONNECTION.

12 DETAIL - DRYER VENT INSTALLATION
NOT TO SCALE



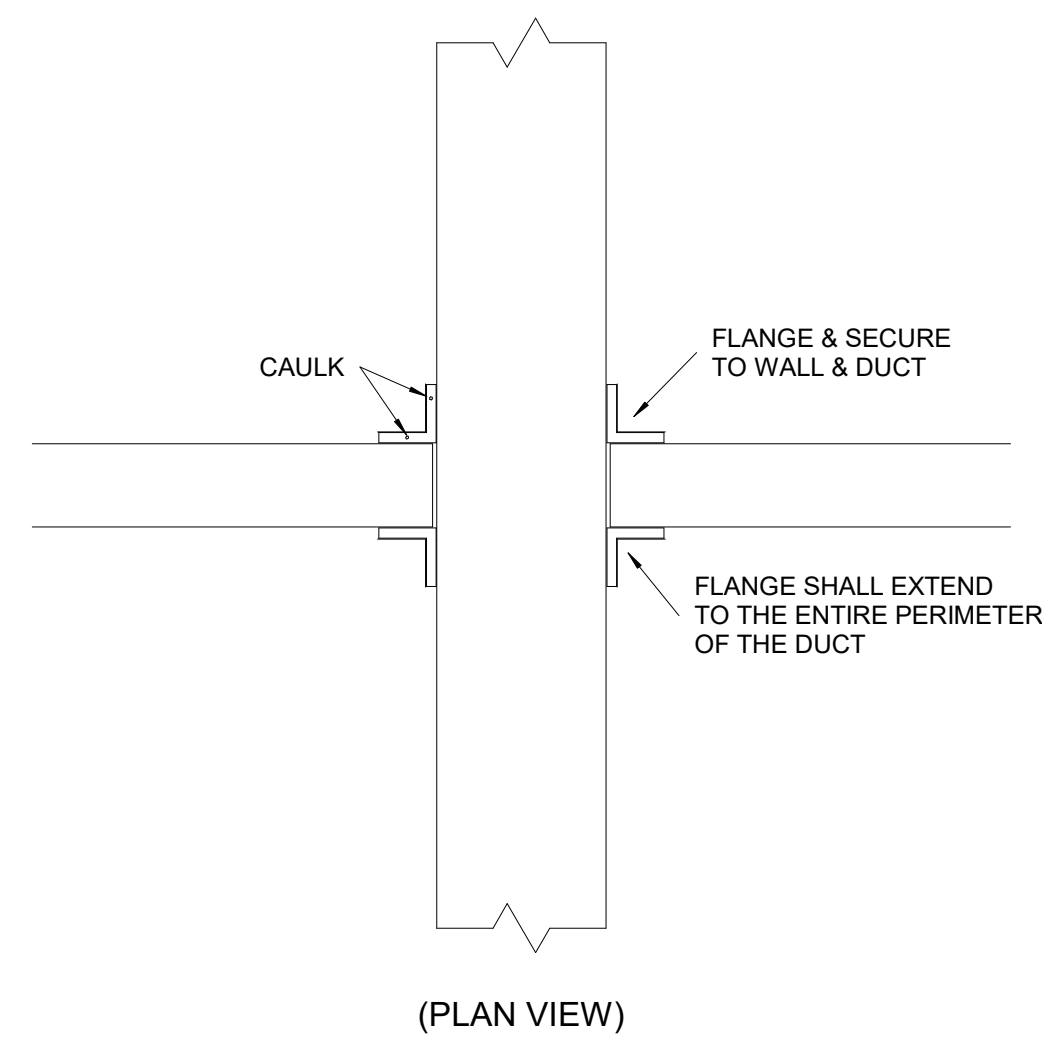
- NOTES:
- DUCT MOUNTED SMOKE DETECTOR
 - CONNECTORS
 - SET SCREWS
 - EXHAUST TUBE
 - INTAKE SAMPLING TUBE
 - STOPPER
 - DUCT MOUNTING SCREWS

7 DUCT SMOKE DETECTOR DETAIL
NOT TO SCALE

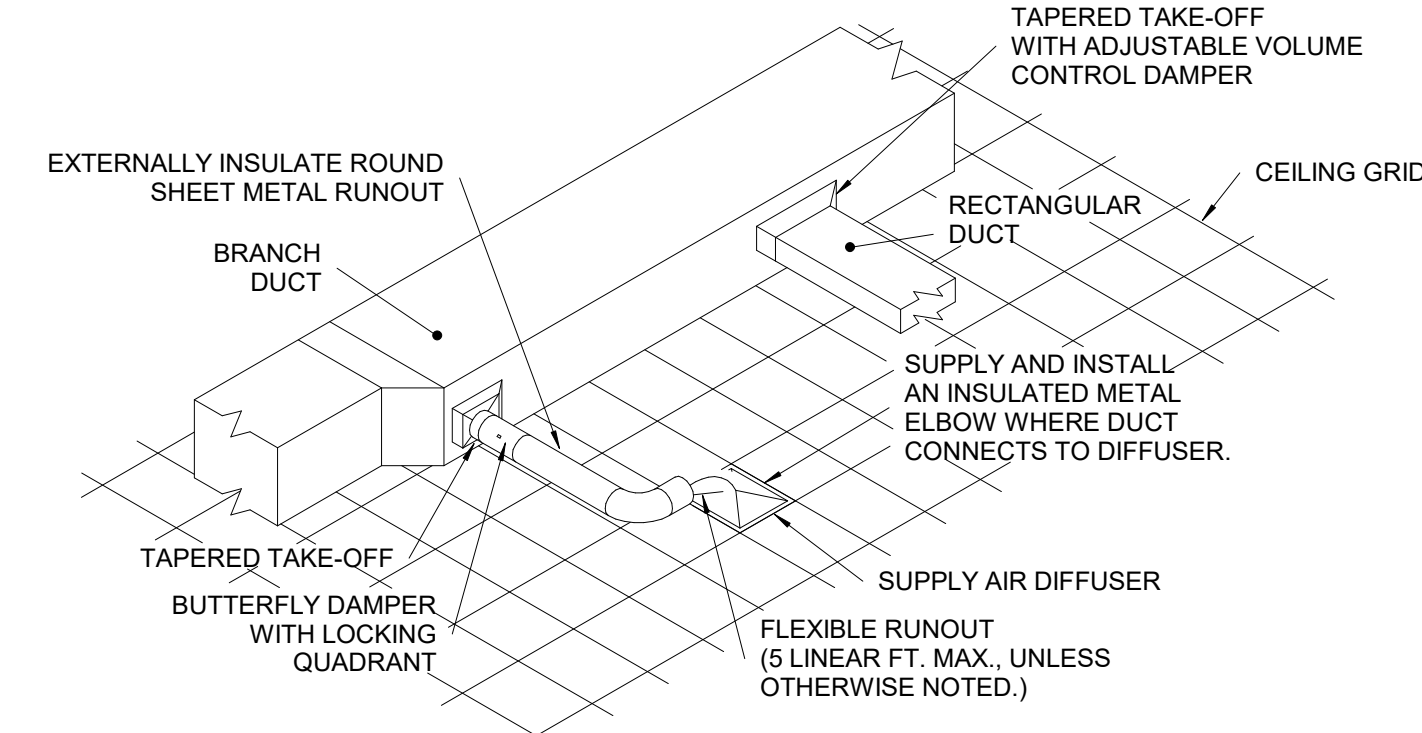


- NOTES:
- CURB SHALL BE INSULATED AND 20 HIGH OR THE HEIGHT INDICATED ON THE SCHEDULE.
 - FASTENING OF CURB TO STRUCTURE AND FAN TO CURB SHALL BE RATED FOR PROJECT WIND ZONE. REFER TO CODE SUMMARY SHEET.
 - REFER TO ROOFING DRAWINGS FOR COORDINATION WITH INSTALLING ROOF CURBS.
 - FAN AND CURB SHALL BE MIAMI-DADE RATED.

8 DETAIL - EXHAUST FAN
NOT TO SCALE

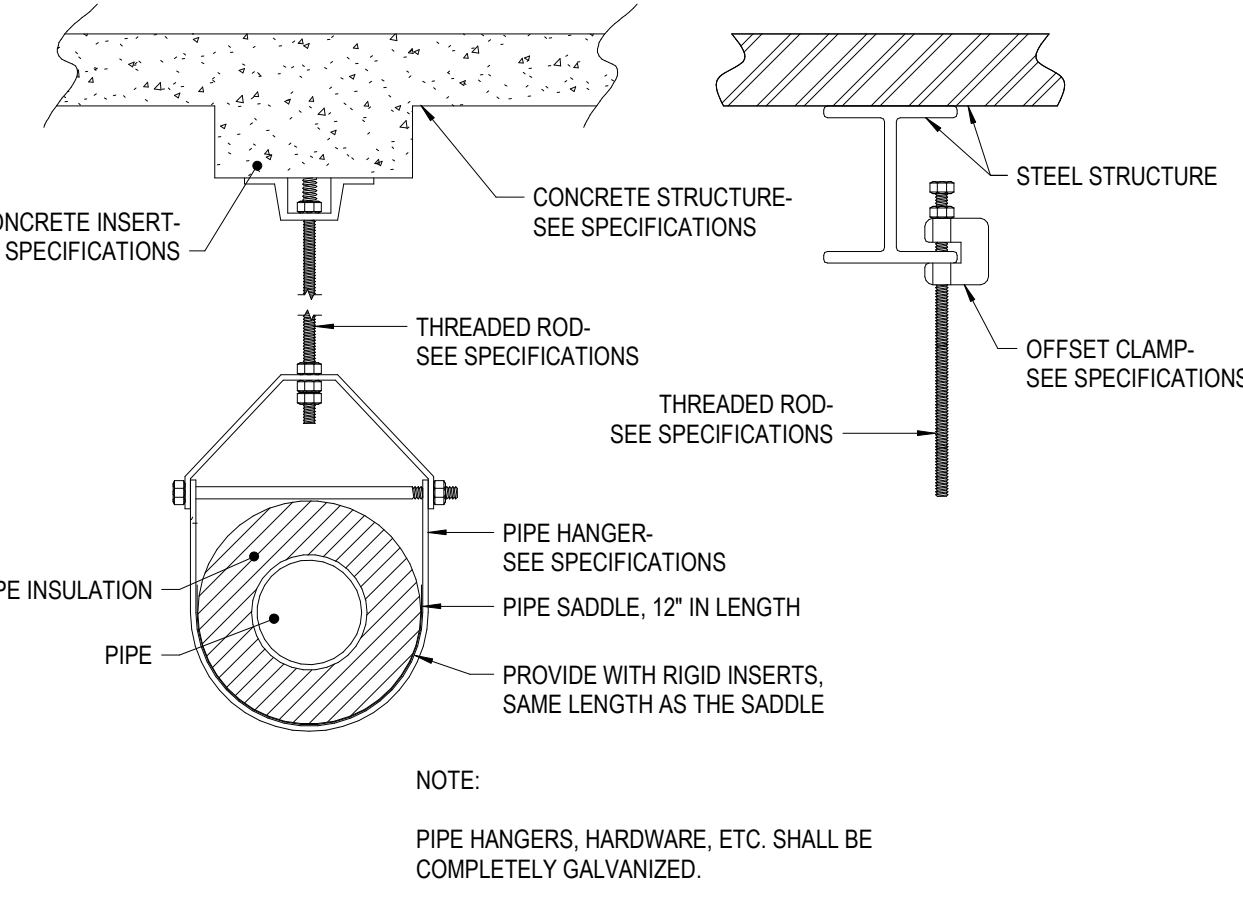


9 DETAIL - NON-RATED DUCT PENETRATION
NOT TO SCALE



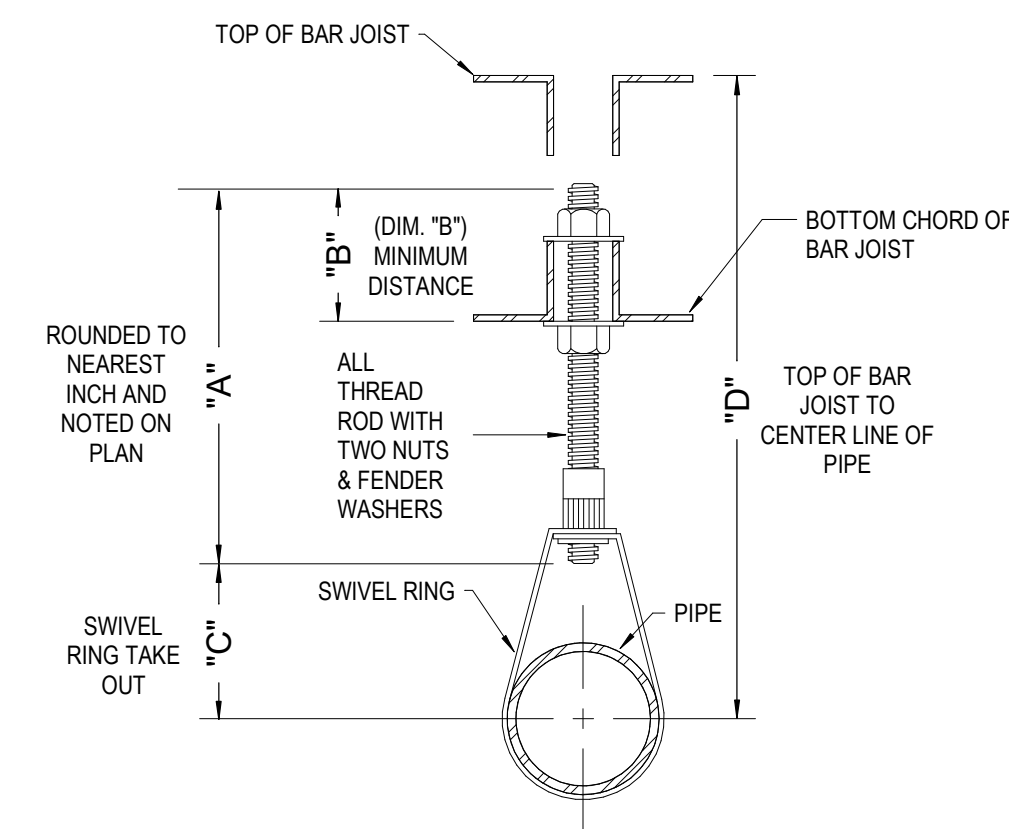
NOTE: PROVIDE TAPERED TAKE-OFF WITH ADJUSTABLE VOLUME DAMPER, AIR DISTRIBUTING GRID, OR RADIUS TAKE-OFF WITH STRAIGHTENING VANES AT TAKE-OFF.

4 DETAIL - SUPPLY, RETURN & EXHAUST AIR TAKE-OFF
NOT TO SCALE



NOTE: PIPE HANGERS, HARDWARE, ETC. SHALL BE COMPLETELY GALVANIZED.

5 PIPE HANGERS
NOT TO SCALE

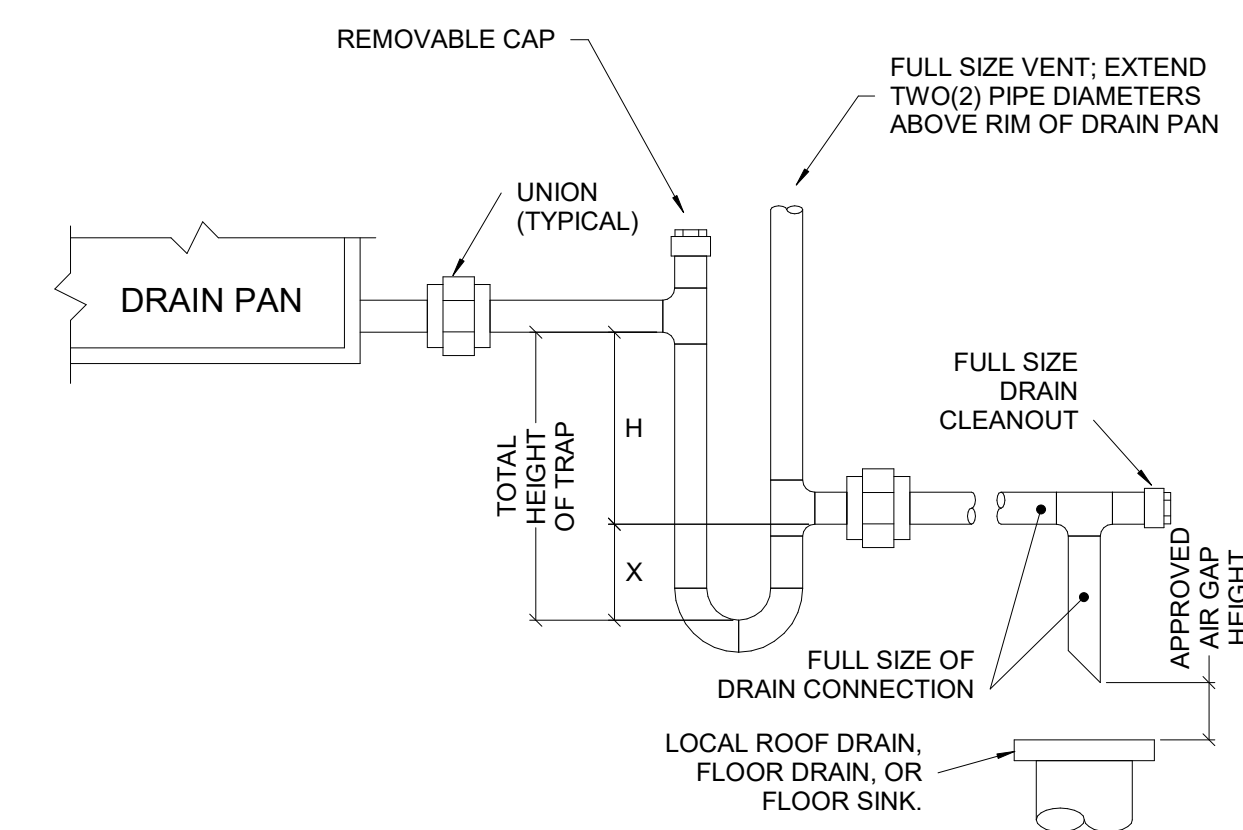


NOTE ON PLAN: HANGER NUMBER AND 'A' DIMENSION

PIPE SIZE	ROD SIZE	'B' DIM.	MIN 'C' DIM.	MAX 'C' DIM.
3/4"			1/2"	1-5/8"
1"			5/8"	1-3/4"
1-1/4"			13/16"	1-7/8"
1-1/2"			15/16"	2"
2"			1-3/16"	2-3/8"
2-1/2"			1-7/16"	2-3/4"
3"			1-3/4"	3-1/4"
3-1/2"			2"	3-5/8"
4"			2-1/4"	3-7/8"
5"			2-3/4"	4-3/4"
6"	1/2"		3-5/16"	5-1/2"
8"			4-5/16"	6-3/4"

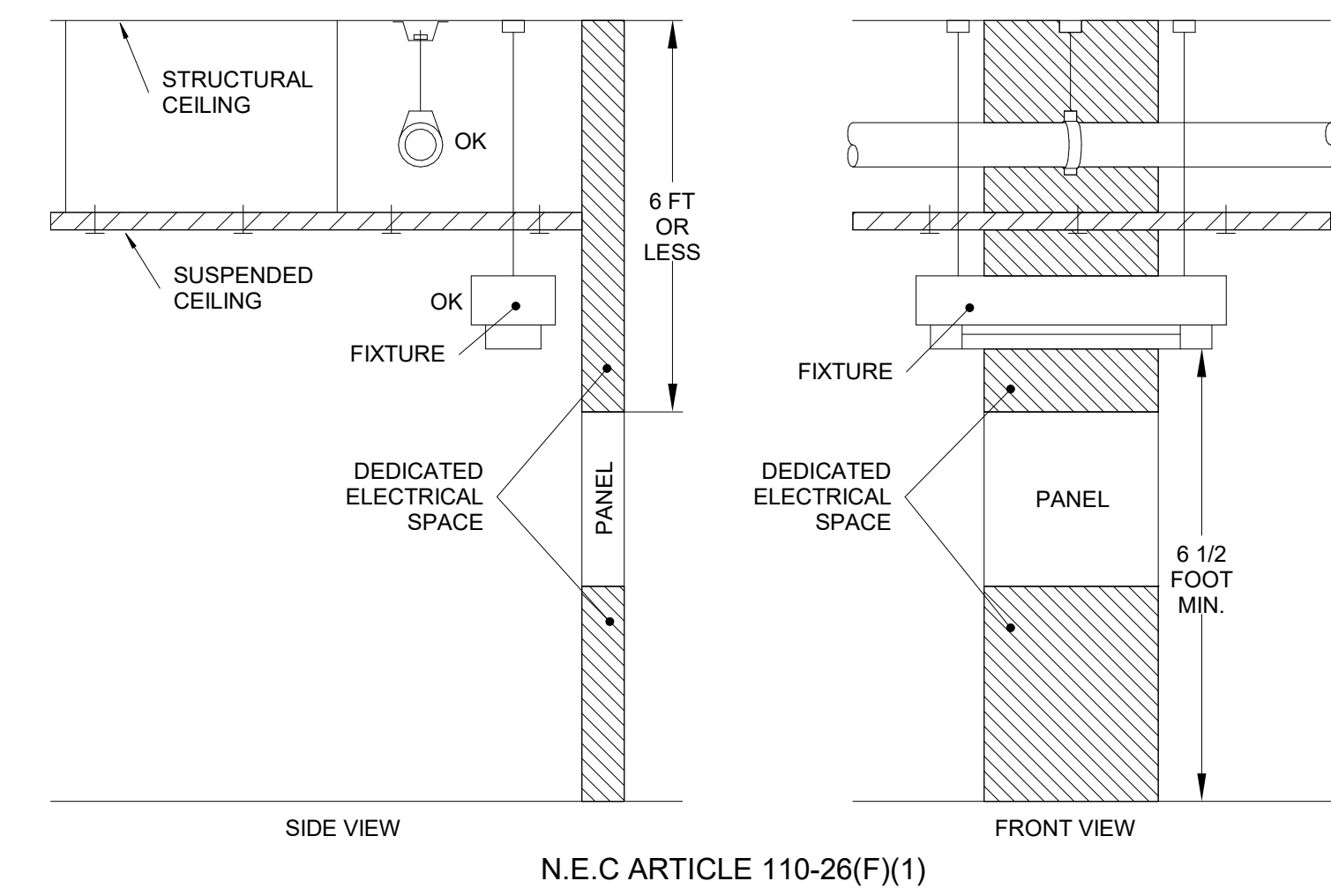
BAR JOIST HANGER WITH NUTS AND WASHERS

6 DETAIL - PIPE HANGER - BAR JOIST
NOT TO SCALE



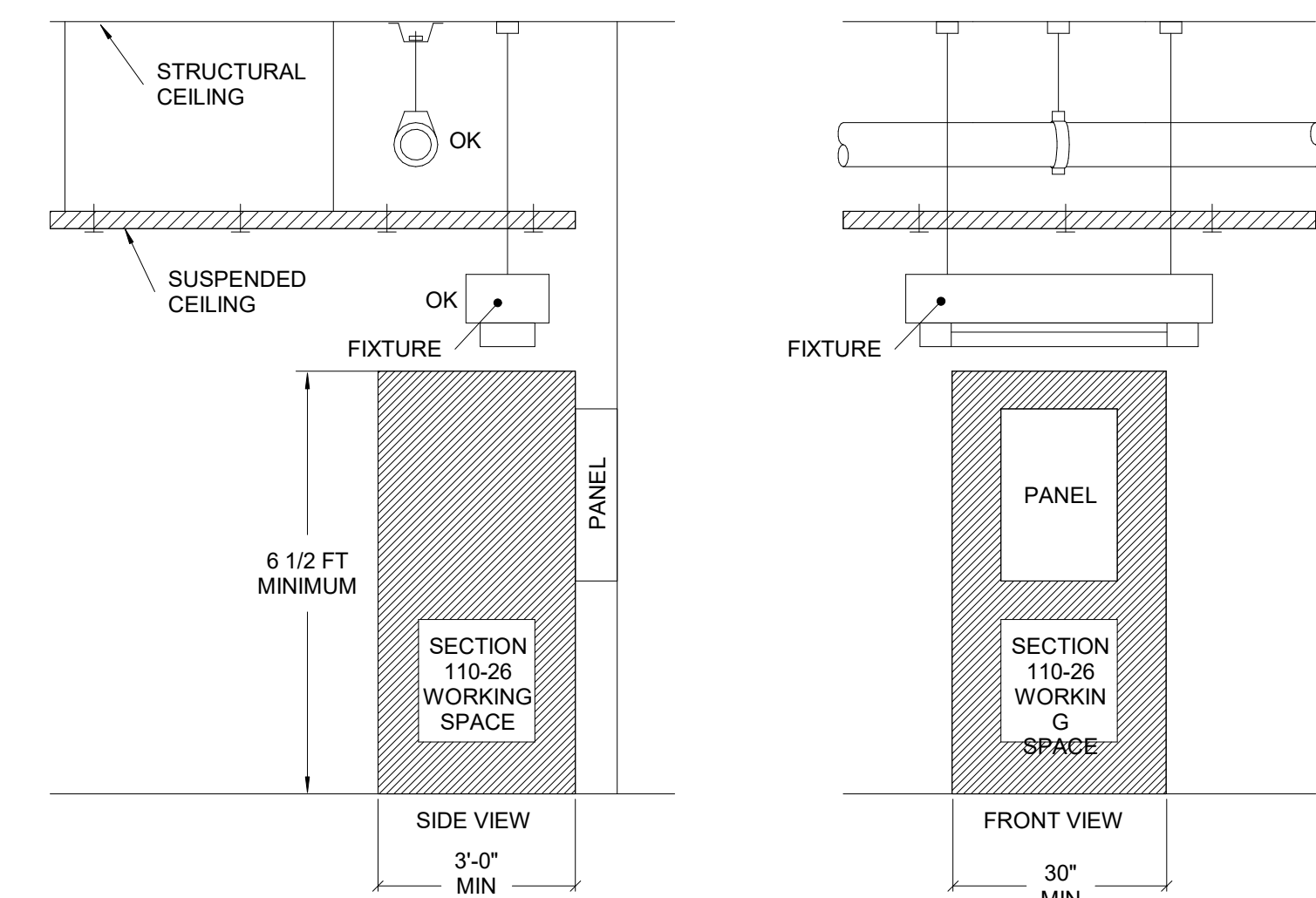
BLOW THROUGH	DRAW THROUGH
X = MINIMUM 1" PLUS CASING STATIC PRESSURE	X = 1/2 "H"
H = MINIMUM 1"	H = MINIMUM 1" PLUS CASING STATIC PRESSURE

1 DETAIL - CONDENSATE DRAIN DETAIL
NOT TO SCALE



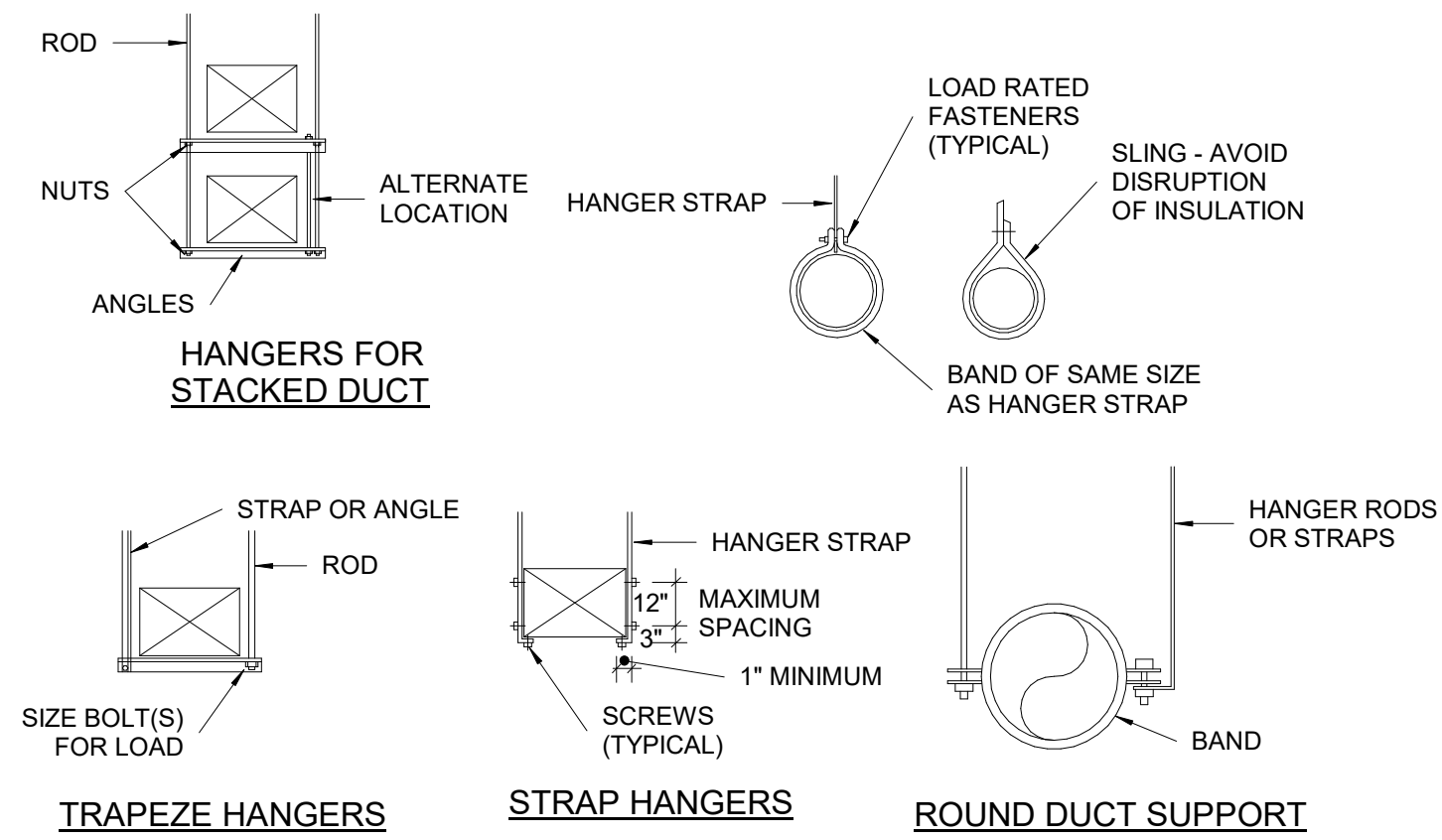
N.E.C ARTICLE 110-26(F)(1)

2 DETAIL - DEDICATED SPACE FOR ELECTRICAL EQUIPMENT
NOT TO SCALE



N.E.C ARTICLE 110-26

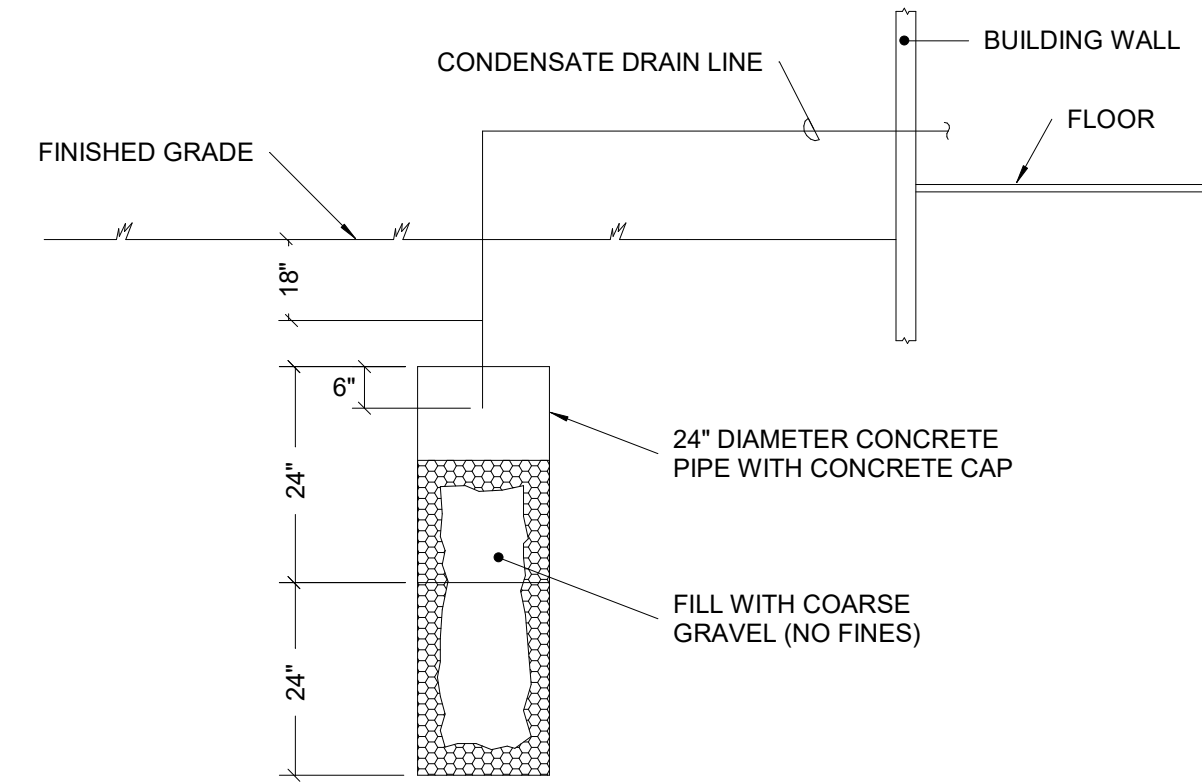
3 DETAIL - WORKING CLEARANCE FOR ELECTRICAL EQUIPMENT
NOT TO SCALE



- NOTES:
1. REINFORCEMENT MAY BE USED FOR ATTACHMENT IF IT QUALIFIES FOR BOTH DUTIES.
 2. DO NOT EXCEED LOAD RATINGS FOR METHOD USED FROM SMACNA DUCT STANDARDS

5 DETAIL - TYPICAL DUCT HANGERS

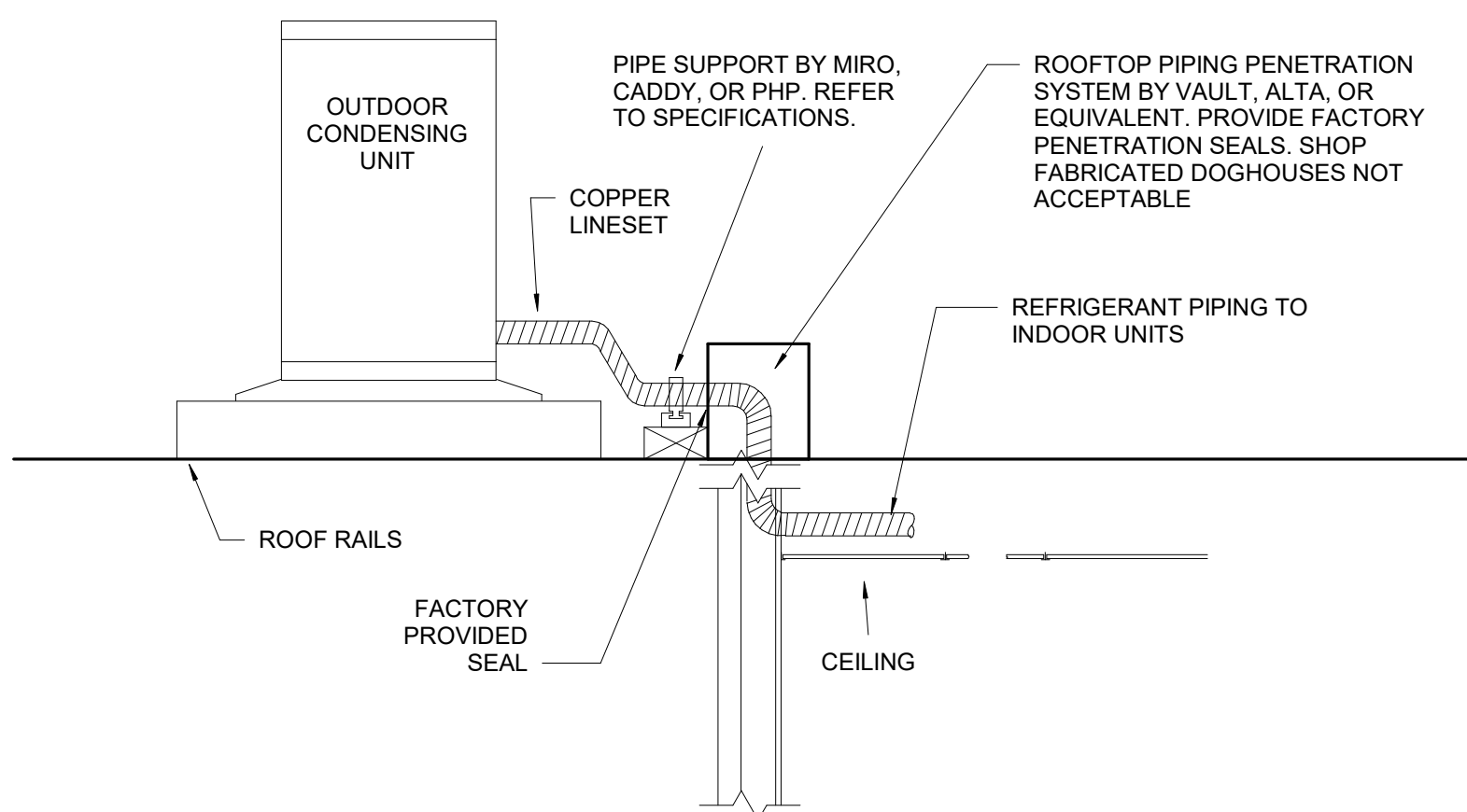
NOT TO SCALE



NOTE:
DRY WELL TO BE A MINIMUM OF 24" BELOW FINISHED GRADE. SLOPE OF CONDENSATE DRAIN LINE TO DETERMINE DEPTH OF DRY WELL.

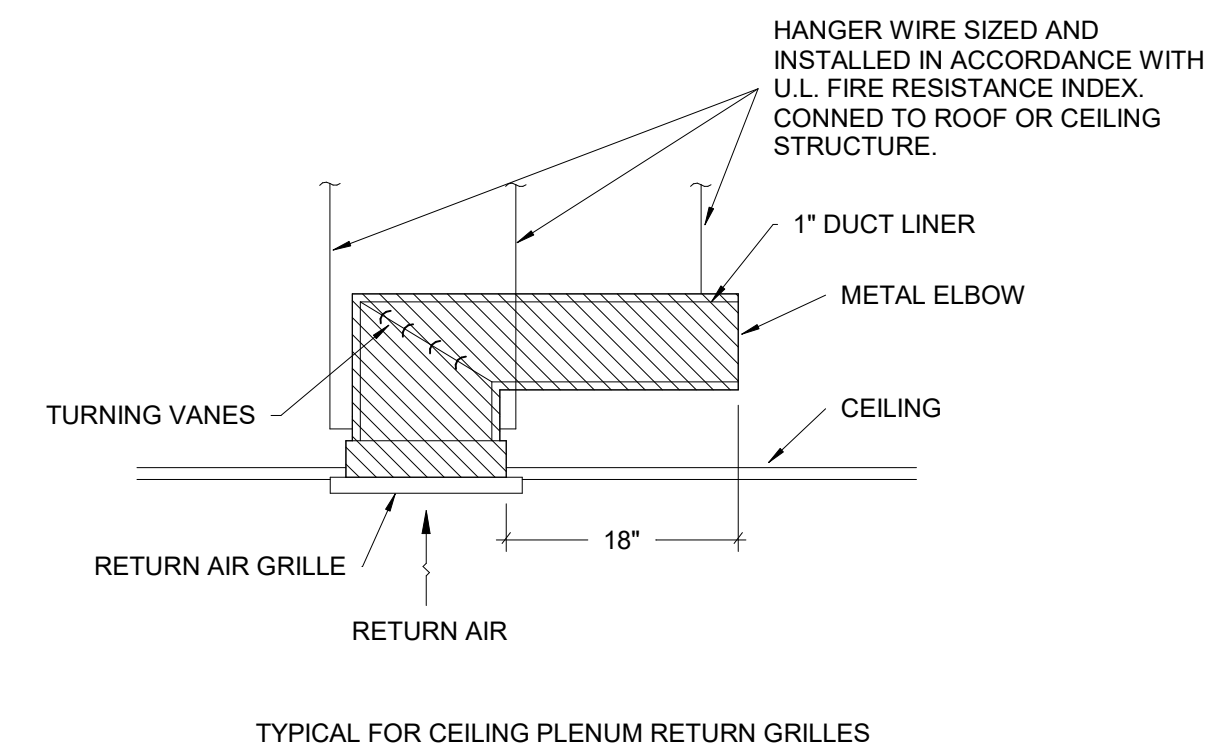
6 DETAIL - DRY WELL

NOT TO SCALE



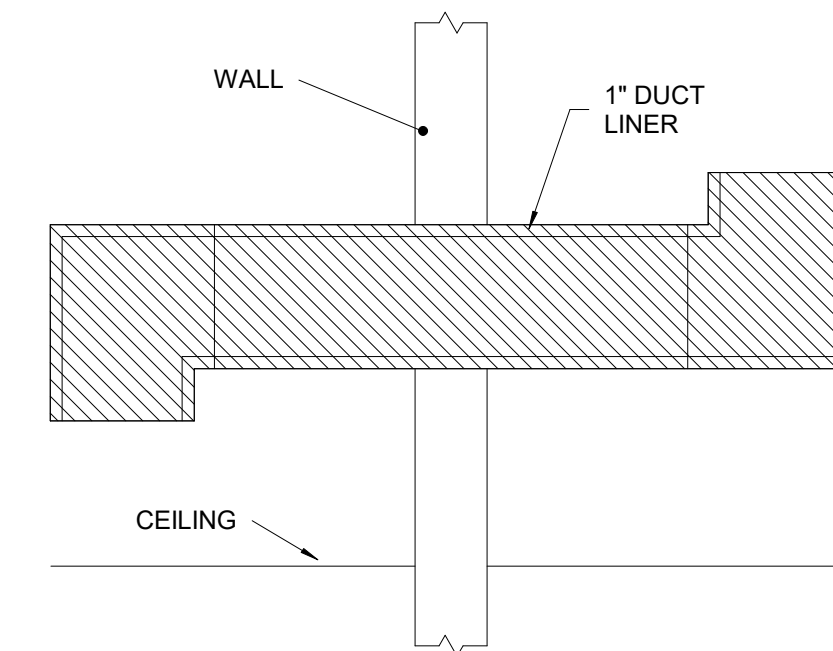
7 DETAIL - OUTDOOR CONDENSING UNIT ROOF PIPING

NOT TO SCALE



3 DETAIL - RETURN AIR GRILLE

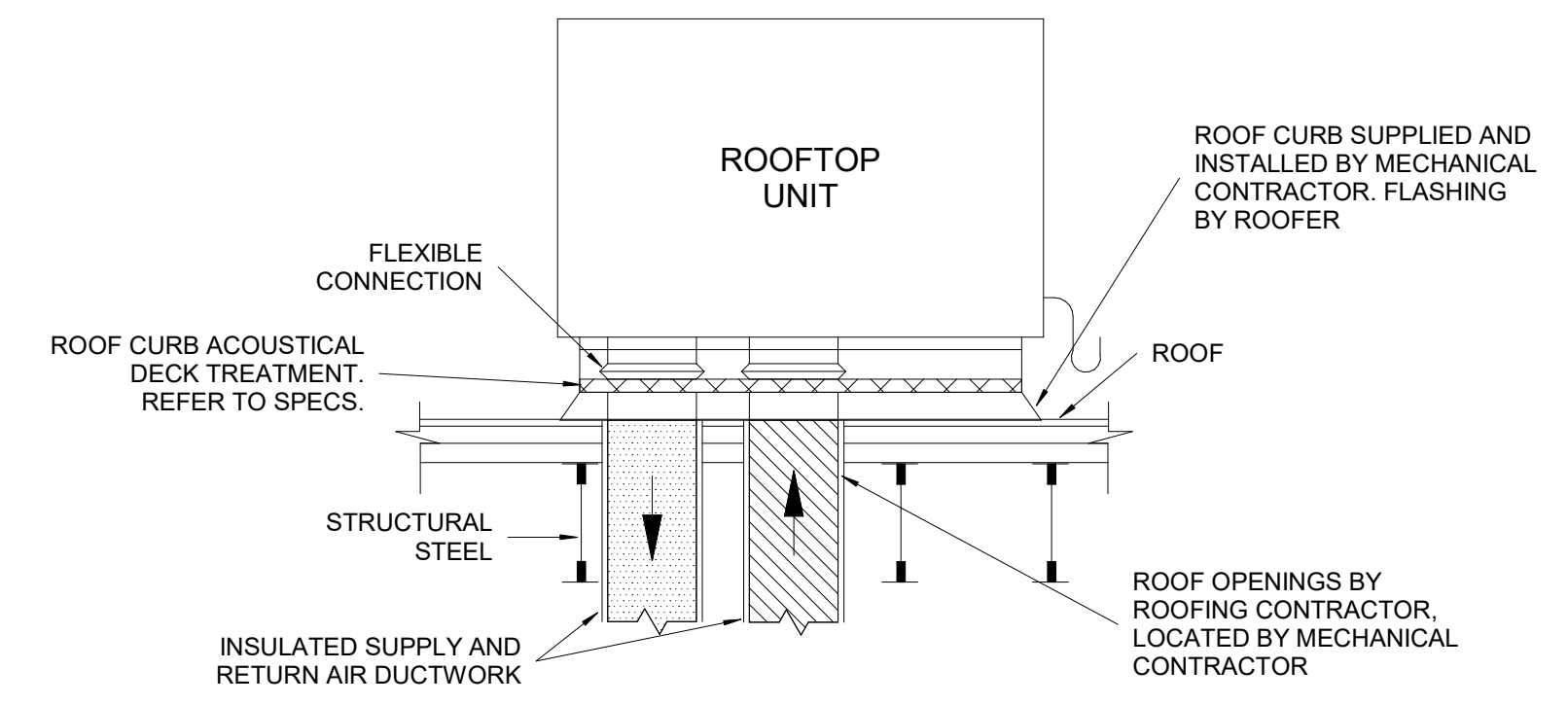
NOT TO SCALE



- NOTES:
- A. ELBOWS MAY BE INSTALLED HORIZONTALLY, AS SPACE REQUIRES.
 - B. DIMENSIONS ON PLAN ARE INSIDE CLEAR.

4 DETAIL - RETURN AIR TRANSFER DUCT

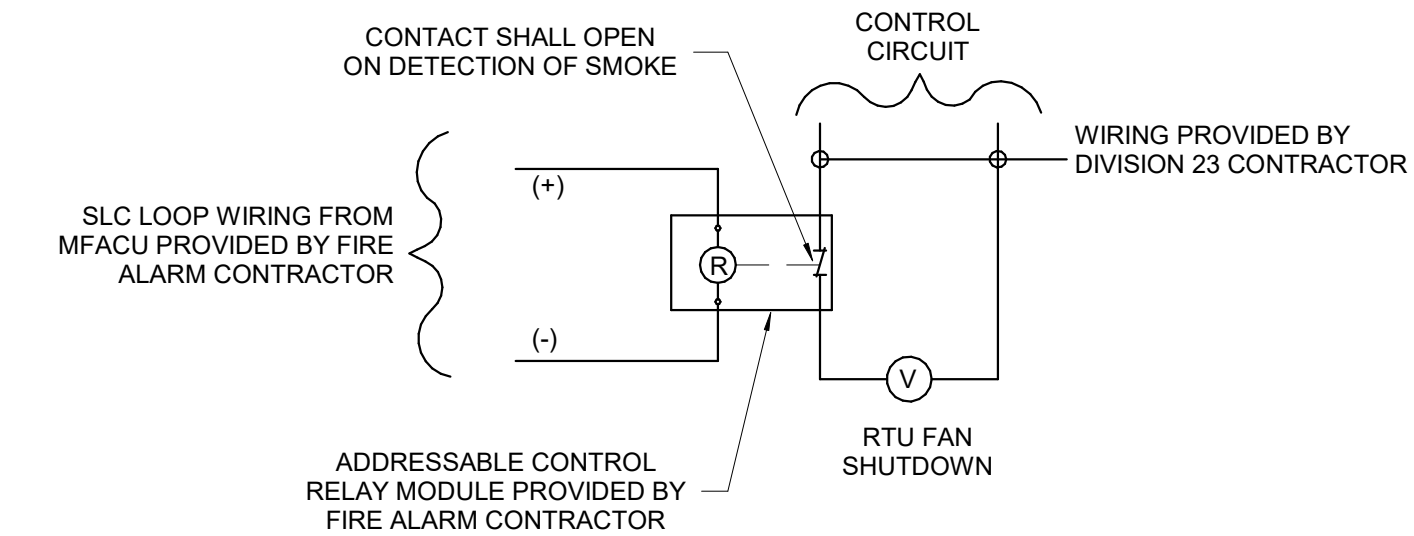
NOT TO SCALE



- NOTES:
1. CURB ATTACHMENTS TO STRUCTURE AND UNIT ATTACHMENTS TO CURB SHALL BE RATED FOR THE PROJECT WIND ZONE. REFER TO CODE SUMMARY SHEET.
 2. ALL ROOFTOP UNITS SHALL BE LOCATED 10'-0" FROM EDGE OF ROOF.

1 DETAIL - ROOF TOP HEAT PUMP UNIT

NOT TO SCALE



RTU SHUTDOWN DIAGRAM

FIRE ALARM INTERLOCK
The Fire Alarm Contractor shall provide a fire alarm relay for the supply fan(s) at each RTU. The relay shall be a be wired directly to the RTU shutdown by the BAS Contractor.
The relay shall also have an auxiliary contact. The BAS Contractor shall wire from the auxiliary contact to the BAS controller to monitor FA shutdown for that fan on the BAS front end.

2 AHU SHUTDOWN DIAGRAM

NOT TO SCALE

ID	DATE	DESCRIPTION

ID DATE DESCRIPTION

CONSTANT VOLUME DEDICATED OUTSIDE AIR UNIT SEQUENCE OF OPERATIONS

THE ROOFTOP UNIT MANUFACTURER'S FACTORY SUPPLIED CONTROLLER SHALL CONTROL THE GENERAL OPERATION OF THE UNIT, INCLUDING SAFETIES. THE UNIT SHALL BE STARTED UP AND COMMISSIONED BY THE MECHANICAL AND CONTROLS CONTRACTORS IN COORDINATION WITH THE COMMISSIONING AGENT AND THE AUTHORIZED FACTORY TECHNICIAN.

THE BAS SHALL SEND OCCUPIED AND UNOCCUPIED SIGNALS TO THE UNIT BASED ON THE USER DEFINED SCHEDULE. THE BAS SHALL MONITOR THE ASSOCIATED POINTS AND BE ABLE TO WRITE TO SET POINTS. THE CONTROLS CONTRACTOR SHALL COORDINATE BACNET INTEROPERABILITY BUILDING BLOCKS (BIBBs) WITH THE EQUIPMENT MANUFACTURER DURING THE SUBMITTAL PROCESS.

GENERAL ZONING/SCHEDULING

EACH RTU IS A ZONE THAT CAN BE INDIVIDUALLY ASSIGNED AN OPERATION SCHEDULE OR OPERATE IN CONJUNCTION WITH OTHER ZONES AS DEFINED BY THE OWNER. THE UNIT SHALL RUN WHENEVER THE ZONE IS IN OCCUPIED MODE AND SHALL CONTROL TO THE OCCUPIED SET POINTS.

IF THE UNIT IS IN UNOCCUPIED MODE AND THE TEMPERATURE RISES ABOVE OR DROPS BELOW THE UNOCCUPIED SET POINT, THE UNIT SHALL BE PROVIDE HEATING OR COOLING TO MAINTAIN THE UNOCCUPIED SET POINT.

IF THE RETURN AIR RELATIVE HUMIDITY RISES ABOVE 60% (ADJ) IN EITHER OCCUPIED OR UNOCCUPIED MODE, THE UNIT SHALL BE ENABLED AND ENTER DEHUMIDIFICATION MODE. COOLING SHALL BE ENABLED AND HOT GAS REHEAT SHALL OPERATE TO MAINTAIN THE RELATIVE HUMIDITY BELOW 55% (ADJ).

IF ECONOMIZER CONDITIONS ARE PRESENT (OUTSIDE AIR TEMP < RETURN AIR TEMP and OUTSIDE AIR ENTHALPY < 28 BTU/LB), THE UNIT SHALL RUN IN ECONOMIZER MODE. UNIT SHALL HAVE BAROMETRIC RELIEF AIR DAMPER FOR ECONOMIZER MODE.

SCHEDULING

REGULAR SCHEDULING: EACH ZONE SHALL HAVE REGULAR, DAY-TO-DAY SCHEDULE OF OCCUPIED HOURS. THE OWNER SHALL BE CONSULTED DURING THE SUBMITTAL PHASE TO ESTABLISH ALL SCHEDULES.

HOLIDAYS: HOLIDAYS CAN BE SCHEDULED UP TO A YEAR IN ADVANCE. DURING SCHEDULED HOLIDAYS, THE ZONES REMAIN IN UNOCCUPIED MODE. CONSULT THE OWNER ON HOLIDAY SCHEDULING.

SPECIAL EVENT SCHEDULING: SPECIAL EVENTS CAN BE SCHEDULED UP TO A YEAR IN ADVANCE DURING WHICH A ZONE WILL OPERATE IN OCCUPIED MODE REGARDLESS OF THE ZONE'S REGULAR SCHEDULE OR SCHEDULED HOLIDAYS.

BAS OPERATOR OVERRIDES: THE BAS OPERATOR SHALL BE ABLE TO OVERRIDE INDIVIDUAL SYSTEMS OR THE ENTIRE BUILDING EITHER ON OR OFF AT SINGLE POINTS IN THE OPERATOR FRONT END.

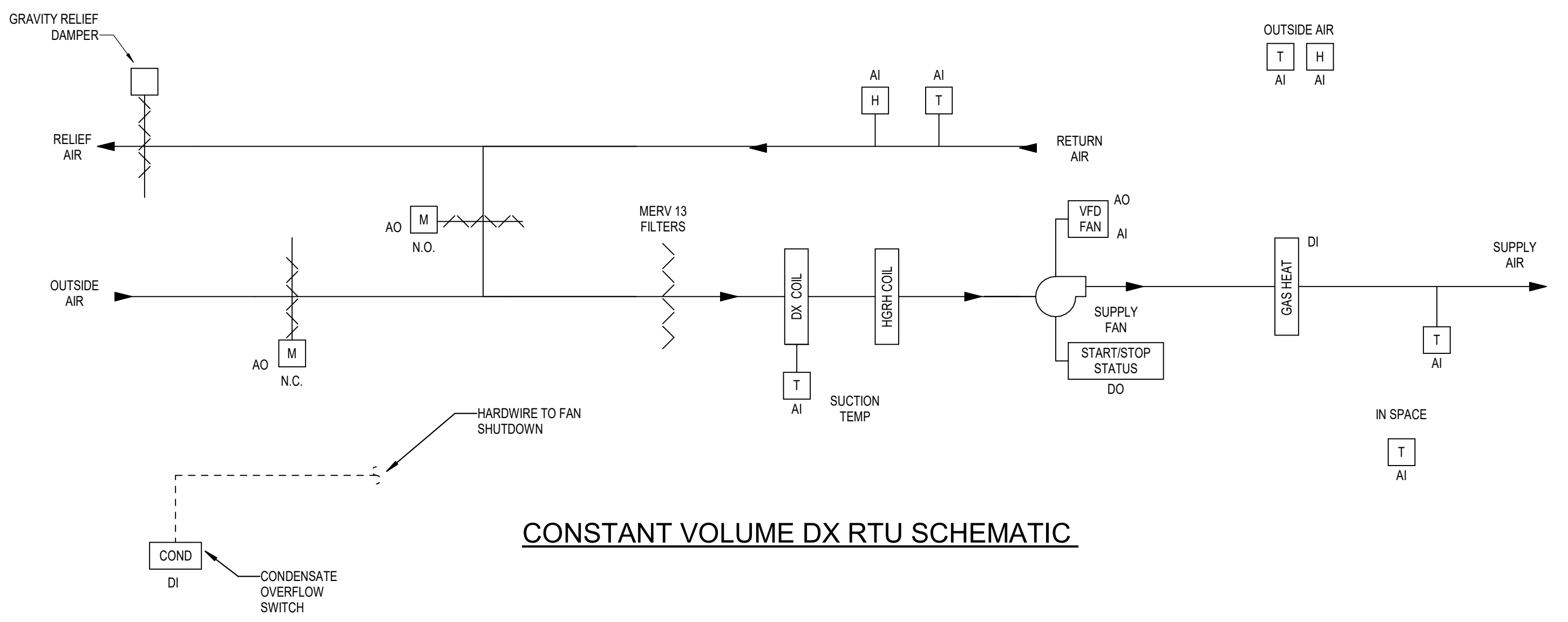
ALARMS

MAINTENANCE INTERVAL ALARM WHEN FAN HAS OPERATED FOR MORE THAN 1,500 HOURS. RESET INTERVAL COUNTER WHEN ALARM IS ACKNOWLEDGED. FAN ALARM IS INDICATED BY THE STATUS BEING DIFFERENT FROM THE COMMAND FOR A PERIOD OF 15 SECONDS.

HIGH BUILDING PRESSURE (MORE THAN 0.10').
LOW BUILDING PRESSURE (LESS THAN 0.0').

SAFETIES

IF THE UNIT IS EQUIPPED WITH A DUCT DETECTOR, UPON A SIGNAL FROM THE DUCT SMOKE DETECTOR, THE RTU SHALL SHUT DOWN.



CONSTANT VOLUME DX RTU SCHEMATIC

RTU INTEGRATION POINTS LIST

BAS CONTRACTOR TO INTEGRATE THE POINTS BELOW - IN ADDITION TO THOSE ON THE DIAGRAM - SUBJECT TO AVAILABILITY OF MANUFACTURER'S CONTROLLER. PROVIDE FULL LIST OF AVAILABLE BACNET POINTS WHEN SUBMITTING ROOFTOP UNITS.

SUPPLY AIR TEMPERATURE	AI	CURRENT VALUE OF SUPPLY AIR TEMPERATURE
SUPPLY AIR SETPOINT	AI	CURRENT SAT COOLING OR HEATING SETPOINT, CALCULATED WITH RESET SOURCE
CONTROLLING COIL TEMP SETPOINT	AI	CURRENT CALCULATED COIL SECTION TEMPERATURE TARGET DURING DEHUM MODE
SPACE TEMPERATURE	AI	CURRENT VALUE OF SPACE TEMPERATURE SENSOR
SPACE HUMIDITY	AI	CURRENT VALUE OF SPACE HUMIDITY
OUTDOOR AIR TEMPERATURE	AI	CURRENT VALUE OF OUTDOOR AIR TEMPERATURE SENSOR
OUTDOOR AIR HUMIDITY	AI	CURRENT VALUE OF OUTDOOR AIR HUMIDITY SENSOR
OUTDOOR AIRFLOW	AI	
ECONOMIZER SIGNAL	AI	TYPICAL FOR EACH COMPRESSOR
MODULATING HOT GAS REHEAT VALVE POSITION	AI	
MODULATING GAS HEAT VALVE POSITION	AI	
COMPRESSOR SIGNAL	AI	TYPICAL FOR EACH COMPRESSOR
COMPRESSOR SUCTION PRESSURE	AI	*
COMPRESSOR HEAD PRESSURE	AI	*
COMPRESSOR COIL SATURATION TEMPERATURE	AI	*
CONDENSER SIGNAL	AI	TYPICAL FOR EACH CONDENSER
SUPPLY AIR COOLING SETPOINT	AO	
SUPPLY AIR HEATING SETPOINT	AO	
MAX SAT COOLING SETPOINT RESET LIMIT	AO	
MAX SAT HEATING SETPOINT RESET LIMIT	AO	
WARM-UP TARGET TEMPERATURE	AO	
WARM-UP MODE SAT SETPOINT	AO	
COOL-DOWN MODE SAT SETPOINT	AO	
OCCUPIED COOLING SETPOINT	AO	
OCCUPIED HEATING SETPOINT	AO	
UNOCCUPIED COOLING SETPOINT	AO	
UNOCCUPIED HEATING SETPOINT	AO	
CONTROL TEMPERATURE LOW ALARM OFFSET	AO	
CONTROL TEMPERATURE HIGH ALARM OFFSET	AO	
INDOOR HUMIDITY SETPOINT LOW RESET LIMIT	AO	
INDOOR HUMIDITY SETPOINT HIGH RESET LIMIT	AO	
MECHANICAL COOLING OAT LOCKOUT	AO	
MECHANICAL HEATING OAT LOCKOUT	AO	
ECONOMIZER MODE ENABLE	AO	
MINIMUM ECONOMIZER POSITION	AO	
MAXIMUM ECONOMIZER CO2 RESET LIMIT	AO	
SAT SETPOINT OVERRIDE	AO	
REMOTE FORCED OCCUPIED STATUS	AO	
REMOTE FORCED COOLING STATUS	AO	
REMOTE FORCED HEATING STATUS	AO	
HIGH SUPPLY TEMP CUTOFF	AO	
LOW SUPPLY TEMP CUTOFF	AO	
MECHANICAL COOLING ALARM	DI	
EMERGENCY SHUTDOWN ALARM	DI	
ALARM STATUS	AI	

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PDC 022074

10/11/2024

BID DOCUMENTS

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THIS DRAWING IS CONTROLLED BY THE PROJECT. IT IS TO BE PRINTED ON A 32" X 44" SHEET.

**Onslow County Senior Service Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540**

ID	DATE	DESCRIPTION

DRAWN BY: JAV
CHECKED BY: SWC
RTU SCHEMATIC AND CONTROLS

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MISCELLANEOUS POINTS AND SEQUENCES

EXHAUST FAN CONTROL

EXHAUST FANS SHALL BE CONTROLLED BY THE BAS, EXCEPT WHERE NOTED IN SCHEDULE.

OCCUPIED PERIOD:
FANS SHALL OPERATE VIA METHOD AS LISTED IN SCHEDULE VIA BAS, T-STAT, ETC. FANS CONTROLLED BY INDIVIDUAL THERMOSTAT DO NOT REQUIRE BAS CONNECTION

UN-OCCUPIED PERIOD:
FANS ARE OFF, EXCEPT WHERE INDICATED ON THE SCHEDULE

PREPARATORY PERIOD:
FANS ARE OFF, EXCEPT WHERE INDICATED ON THE SCHEDULE

EXHAUST FANS SHALL BE INTERLOCKED TO OPERATE WITH THEIR RESPECTIVE AIR HANDLING UNIT.

THE BAS SHALL GENERATE AN ALARM ANYTIME THE STATUS OF A FAN DOES NOT MATCH THE COMMAND.

LIGHTING CONTROL

THE BAS CONTRACTOR SHALL PROVIDE WIRING TO LIGHTING CONTACTORS SPECIFIED AND LOCATED ON THE ELECTRICAL DRAWINGS.

BAS CONTRACTOR SHALL PROVIDE OUTPUTS AS REQUIRED TO CONTROL LIGHTING RELAYS AND CONTACTORS. LIGHTING CIRCUITS SHALL BE CONTROLLED VIA USER ADJUSTABLE SCHEDULES WITHIN THE BAS BASED ON TIME OF DAY AND 365-DAY CALENDAR SCHEDULE. PROVIDE ABILITY TO OVERRIDE EACH LIGHTING CONTACTOR VIA THE FRONT END GRAPHICS.

REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR LIGHTING CONTROL REQUIREMENTS.

REFER TO SPECIFICATIONS SECTION 26 09 23 FOR PROGRAMMING REQUIREMENTS.

REFER TO LIGHTING DRAWINGS FOR OVERRIDE SWITCHES.

OVERRIDE SWITCHES:

REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS. CONTROLS CONTRACTOR RESPONSIBLE FOR PROVIDING THE OVERRIDE SWITCHES, FACE PLATES, LOW VOLTAGE CABLING, AND PROGRAMMING. FACE PLATES SHALL MATCH DIVISION 26 SPECIFICATIONS, MATERIAL, AND COLOR. RACEWAY AND BOXES ASSOCIATED WITH OVERRIDE SWITCHES BY DIVISION 26.

DUCTLESS SPLIT SYSTEMS

DUCTLESS SPLIT SYSTEMS SHALL HAVE WALL MOUNTED CONTROLS IN THEIR RESPECTIVE ROOMS. UNITS ARE COOLING ONLY AND SHALL OPERATE AS REQUIRED TO KEEP ROOMS AT SETPOINT. NO BAS INTERFACE IS REQUIRED FOR DUCTLESS SPLIT SYSTEMS.

TREND LOGS

PROVIDE TREND LOGS FOR ALL RESET REQUESTS.

TREND ALL TEMPERATURE, PRESSURE AND EQUIPMENT CHANGES OF STATE.

MAINTENANCE MANAGEMENT

THE DDC SYSTEM SHALL MEASURE AND RECORD RUN TIME FOR ALL START/STOP POINTS IN THE SYSTEM. BASED UPON THE ACCUMULATED RUN TIME, PROVIDE MAINTENANCE MESSAGES ON THE INTERVAL RECOMMENDED BY THE EQUIPMENT MANUFACTURERS. ANY DIGITAL INPUT POINT THAT IS USED FOR MAINTENANCE PURPOSES (I.E. DIRTY FILTER) SHALL ALSO GENERATE A MAINTENANCE MESSAGE. ALL MAINTENANCE MESSAGES ARE TO BE SENT VIA EMAIL TO COUNTY'S FACILITY MAINTENANCE DIRECTOR OR SOMEONE ELSE OF HIS CHOOSING.

TROUBLE ALARMS

THE CONTROL SUBCONTRACTOR SHALL ESTABLISH A TROUBLE HIGH AND TROUBLE LOW ALARM LIMIT FOR EACH ANALOG INPUT, EQUIPMENT STATUS AND ANNUNCIATE A CORRESPONDING ALARM MESSAGE AT THE CONTROLS FRONT END.

MODIFICATION

ALL SOFTWARE SETPOINTS, LIMITS, ALARMS, MESSAGES, SCHEDULES, SEQUENCES, ETC. AS SPECIFIED HEREIN ARE TO PROVIDE AN INITIAL SETUP OF THE CONTROLS SYSTEM. THE CONTROLS SUBCONTRACTOR SHALL PROVIDE SOFTWARE CUSTOMIZATIONS, SCHEDULING ALTERATIONS, AND SET POINT ADJUSTMENTS THAT MAY BE REQUIRED TO "TUNE" THE DDC SYSTEM TO ACCURATELY RESPOND TO ACTUAL BUILDING PARAMETERS. FURTHER, THESE SOFTWARE FUNCTIONS SHALL BE READILY MODIFIABLE BY THE OWNER'S PERSONNEL AS CHANGES IN BUILDING OPERATION DICTATE.

UNIT HEATERS

UNIT HEATER: BUILT-IN THERMOSTAT SHALL MAINTAIN ITS SETPOINT OF 55 DEG F (ADJ) BY STARTING THE UNIT HEATER. ONCE THE UNIT HEATER IS ENERGIZED, IT WILL RUN FOR AT LEAST FIVE (5) MINUTES TO AVOID SHORT CYCLING. NO BAS MONITORING OR CONTROL IS REQUIRED FOR UNIT HEATERS.

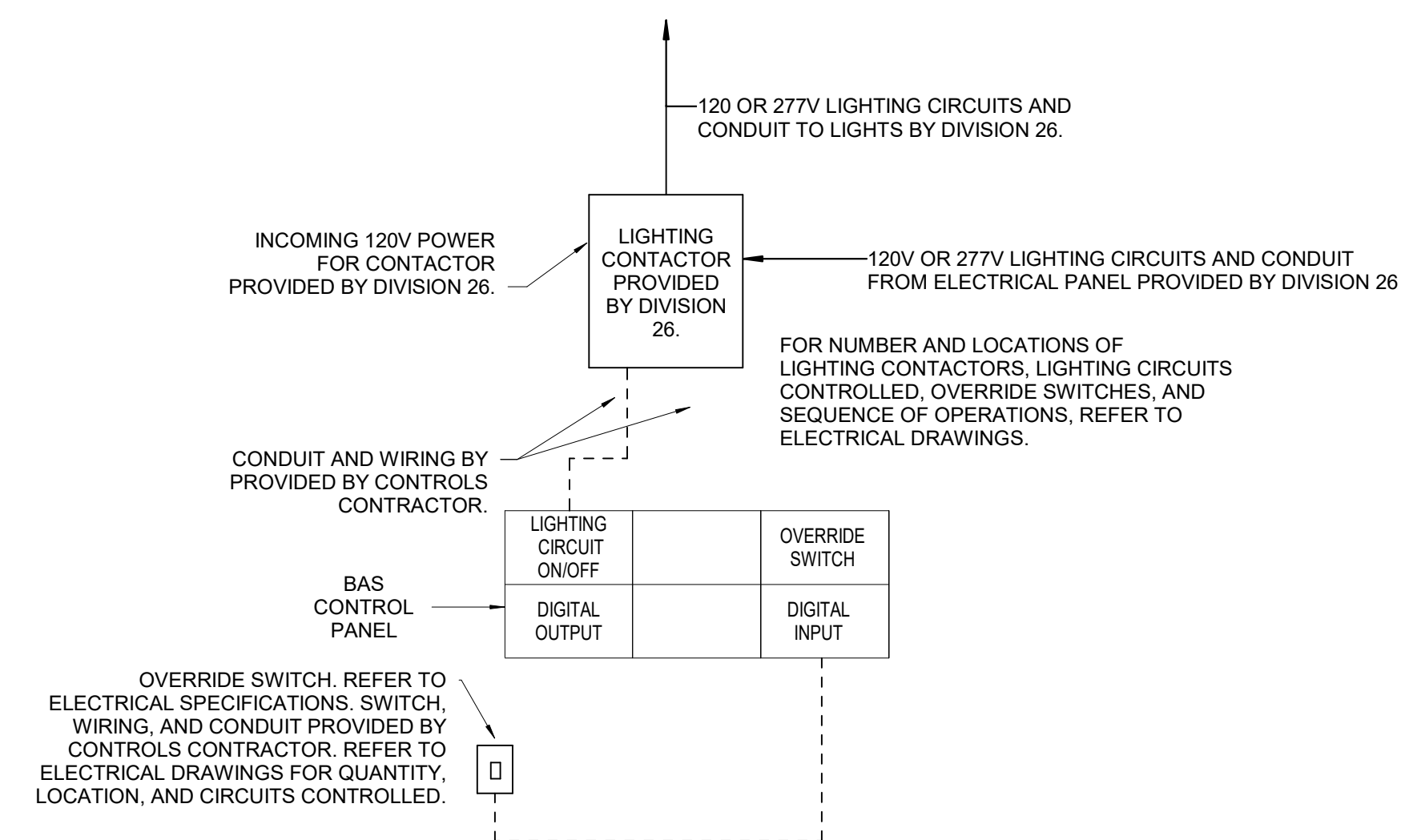
MISCELLANEOUS POINTS

BAS SHALL MONITOR THE BACKUP GENERATOR STATUS AND ALARMS.

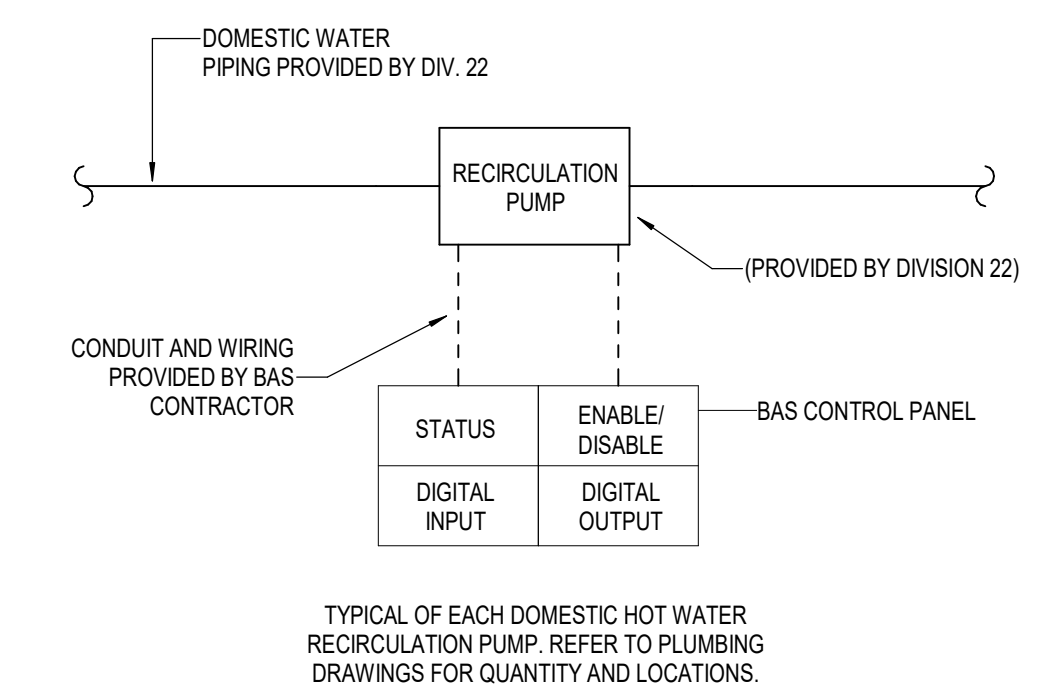
WATER HEATER AND RECIRCULATION PUMP CONTROL

BAS SHALL ENABLE AND DISABLE RECIRCULATION PUMPS FOR OCCUPIED AND UNOCCUPIED TIMES. REFER TO PLUMBING DRAWINGS FOR NUMBER AND LOCATION OF PUMPS. CONSULT OWNER ON HOURS OF OPERATION. PROVIDE A SCHEDULE FOR PUMPS INDEPENDENT OF OTHER HVAC RELATED SCHEDULES.

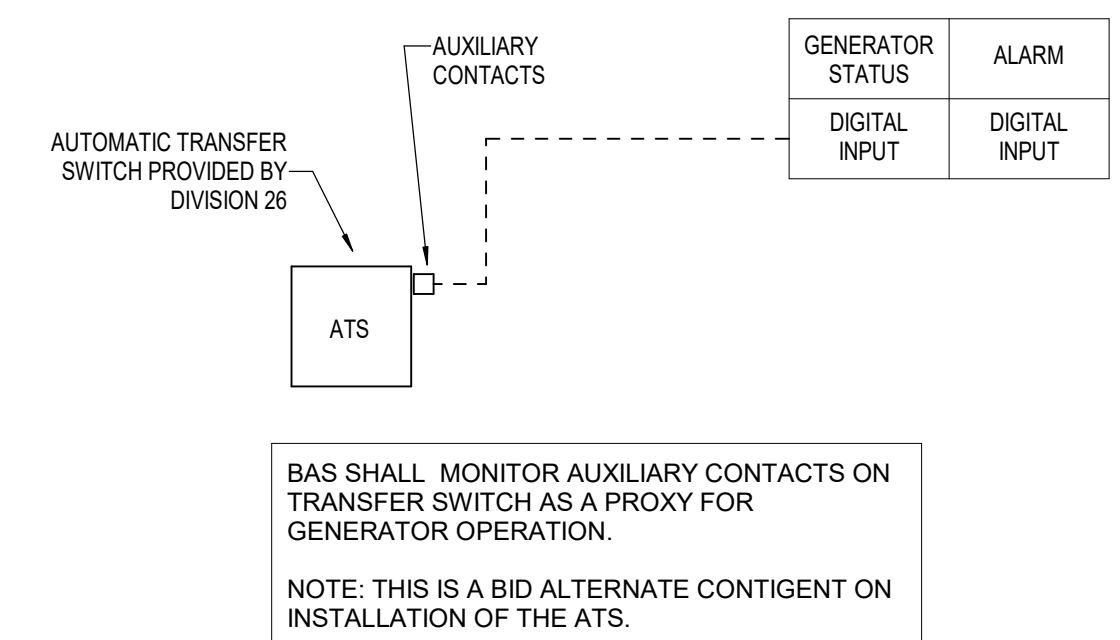
THE BAS WILL GENERATE AN ALARM IF THE COMMAND AND STATUS FAIL TO MATCH.



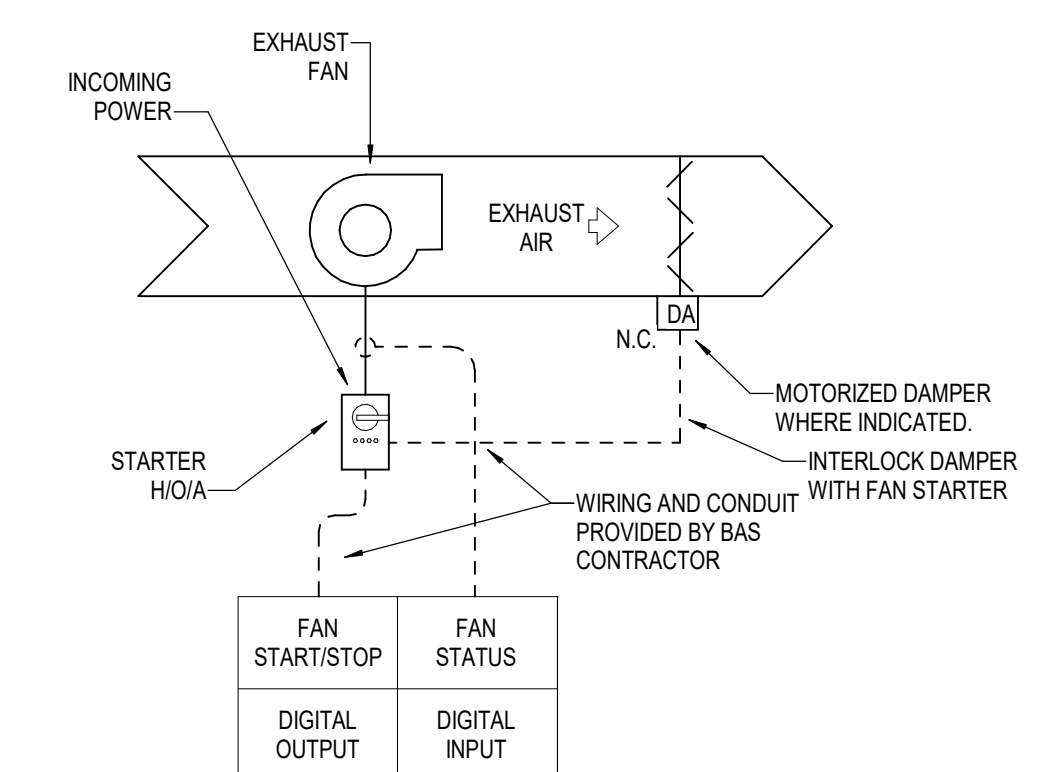
LIGHTING CONTROL SCHEMATIC



DOMESTIC HW RECIRCULATION PUMP MONITORING-TYPICAL



ATS/GENERATOR MONITORING



EXHAUST FAN-TYPICAL

ID	DATE	DESCRIPTION

ID	DATE	DESCRIPTION

ROOF VENT UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	SUPPLY FAN				COOLING COIL				GAS HEAT				REHEAT COIL				RERIGERATION CIRCUIT				ELECTRICAL				WEIGHT (LBS)	REMARKS				
			OA (CFM)	QTY	CFM	ESP (IN WG)	HP	BHP	EDB (°F)	EWB (°F)	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	LDB (°F)	LWB (°F)	INPUT (MBH)	OUTPUT (MBH)	AFUE	TURNDOWN	EDB (°F)	LDB (°F)	CAPACITY (MBH)	EDB (°F)	LDB (°F)	COMP QTY	COMP RLA (E.A.)	COND FAN QTY/HP			IEER	V	PH	MCA
RTU-1A	AAON	RN-007-3	650	1	1300	1.2	-	-	78.8	71.8	74.2	35.9	52.6	52.4	90.0	72.9	81	10.1	42.5	92.4	32.1	53.2	75.0	1	12.4	1/1.0	21.5	480	3	19	30	1,500
RTU-1B	AAON	RN-007-3	650	1	1300	1.2	-	-	78.8	71.8	74.2	35.9	52.6	52.4	90.0	72.9	81	10.1	42.5	92.4	32.1	53.2	75.0	1	12.4	1/1.0	21.5	480	3	19	30	1,500
RTU-2	AAON	RQ-006-3	275	1	1180	1.2	2.0	1.00	76.9	67.9	55.5	29.5	49.3	49.3	60.0	81.0	81	2.81	54.6	118	30.2	51.0	75.0	1	6.5	1/0.33	18.7	480	3	13	15	1,200
RTU-3	AAON	RQ-006-3	450	1	1035	1.2	2.0	0.88	76.5	71.0	57.0	26.4	52.2	52.2	100.0	81.0	81	2.81	43.6	116	25.1	52.2	75.0	1	6.5	1/0.33	18.7	480	3	13	15	1,200
RTU-4	AAON	RQ-006-3	400	1	1430	1.2	2.0	1.28	77.2	68.6	62.7	32.7	53.2	53.1	100.0	81.0	81	2.81	52.0	104	33.2	53.2	75.0	1	7.2	1/0.33	19.2	480	3	14	20	1,200
RTU-5	AAON	RQ-004-3	280	1	935	1.2	2.0	0.80	77.4	68.9	45.0	23.0	51.9	51.9	60.0	48.6	81	3.31	50.9	99	22.9	51.9	75.0	1	6.0	1/0.33	18.3	480	3	13	15	1,200
RTU-6	AAON	RN-007-3	480	1	1600	1.2	2.0	1.14	77.4	69.0	69.6	36.5	54.1	54.1	150.0	120.0	81	3.1	50.9	120	35.6	54.1	75.0	1	9.7	1/0.33	14.8	480	3	17	25	1,500
RTU-7	AAON	RQ-006-3	200	1	1120	1.2	2.0	0.96	76.4	67.0	53.8	29.5	49.3	49.3	60.0	48.6	81	3.31	57.7	98	30.7	49.3	75.0	1	6.5	1/0.33	18.7	480	3	13	15	1,200
RTU-8	AAON	RQ-006-3	225	1	1425	1.2	2.0	1.23	76.3	66.7	58.5	33.3	52.0	51.7	100.0	81.0	81	2.81	58.9	111	35.0	52.0	75.0	1	7.2	1/0.33	19.4	480	3	14	20	1,200
RTU-9	AAON	RQ-004-3	200	1	900	1.2	2.0	0.73	76.8	67.7	42.7	22.9	50.7	50.5	60.0	48.6	81	3.31	55.2	105	23.3	50.7	75.0	1	6.0	1/0.33	19.2	480	3	13	15	1,200
RTU-10	AAON	RQ-005-3	320	1	1060	1.2	2.0	0.86	77.4	69.0	54.1	27.2	51.0	50.9	100.0	81.0	81	2.81	50.8	121	27.0	51.0	75.0	1	6.5	1/0.33	19.0	480	3	13	15	1,200
RTU-11	AAON	RQ-003-3	150	1	750	1.2	1.0	0.62	76.6	67.4	36.7	19.6	49.6	49.4	60.0	48.6	81	3.31	56.5	116	20.2	49.6	75.0	1	4.5	1/0.33	18.6	480	3	9	15	1,000
RTU-12	AAON	RQ-005-3	150	1	1250	1.2	2.0	1.01	76.0	66.0	52.6	30.4	49.8	49.8	60.0	48.6	81	3.31	61.0	98	32.2	49.8	75.0	1	6.5	1/0.33	19.0	480	3	13	15	1,200
RTU-13	AAON	RQ-004-3	310	1	900	1.2	2.0	0.73	77.7	69.7	44.4	21.8	52.7	52.6	60.0	48.6	81	3.31	48.5	98	21.3	52.7	75.0	1	6.0	1/0.33	19.2	480	3	13	15	1,200
RTU-14	AAON	RQ-003-3	140	1	800	1.2	1.0	0.66	76.4	66.9	36.9	20.3	50.2	49.9	60.0	48.6	81	3.31	57.9	114	21.2	50.2	75.0	1	4.5	1/0.33	18.7	480	3	9	15	1,000
RTU-15	AAON	RQ-003-3	100	1	710	1.2	1.0	0.59	76.1	66.4	35.6	19.6	47.7	47.5	60.0	48.6	81	3.31	59.9	120	20.6	47.7	75.0	1	4.5	1/0.33	18.7	480	3	9	15	1,000
RTU-19	AAON	RQ-005-3	225	1	1325	1.2	2.0	1.11	76.4	66.9	54.3	30.7	52.3	52.0	100.0	81.0	81	2.81	58.2	115	32.1	52.3	75.0	1	6.5	1/0.33	19.0	480	3	13	15	1,200
RTU-17	AAON	RQ-006-3	175	1	1505	1.2	2.0	1.33	75.9	66.0	58.1	34.3	52.0	51.7	100.0	81.0	81	2.81	61.2	111	36.9	52.0	75.0	1	7.2	1/0.33	19.4	480	3	14	20	1,200
RTU-18	AAON	RQ-004-3	225	1	900	1.2	2.0	0.73	77.0	68.2	43.1	22.6	51.2	51.1	60.0	48.6	81	3.31	53.6	103	22.8	51.2	75.0	1	6.0	1/0.33	19.2	480	3	13	15	1,200
RTU-19	AAON	RQ-004-3	310	1	900	1.2	2.0	0.73	77.7	69.7	44.4	21.8	52.7	52.6	60.0	48.6	81	3.31	48.6	98	21.3	52.7	75.0	1	6.0	1/0.33	19.2	480	3	13	15	1,200
RTU-20	AAON	RQ-004-3	310	1	1000	1.2	2.0	0.84	77.5	69.1	45.9	23.4	53.1	53.1	60.0	48.6	81	3.31	50.4	96	23.3	53.1	75.0	1	6.0	1/0.33	18.3	480	3	13	15	1,200
RTU-21	AAON	RN-007-3	500	1	1375	1.2	2.0	0.94	77.9	70.0	68.8	33.9	53.1	52.9	90.0	72.9	81	3.1	47.4	96	31.9	53.1	75.0	1	9.7	1/0.33	14.8	480	3	17	25	1,500

GENERAL NOTES:

- A. ALL UNITS ARE DOWNFLOW ORIENTATION
- B. BASIS OF DESIGN IS R-454B
- C. BASIS OF DESIGN HAVE VARIABLE SPEED SCROLL COMPRESSORS
- D. PROVIDE ALL DUCT TRANSITIONS FROM UNIT
- E. PROVIDE METAL MESH OUTDOOR AIR PREFILTER AND 2" MERV 13 FILTERS
- F. PROVIDE 0-100% ECONOMIZER WITH LOW LEAKAGE DAMPERS. PROVIDE DRY BULB SENSOR FOR ECONOMIZER OPERATION
- G. PROVIDE FACTORY CIRCUIT BREAKER IN NEMA 3R ENCLOSURE, SINGLE POINT POWER CONNECTION, AND 24 VOLT CONTROLS TRANSFORMER. 55 KA SCOR MINIMUM
- H. PROVIDE WALL MOUNTED TEMPERATURE SENSOR AND RETURN DUCT MOUNTED HUMIDITY SENSOR.
- I. PROVIDE WITH STAINLESS STEEL DRAIN PAN
- J. PROVIDE 30 inch TALL VIBRATION ISOLATION CURB WITH 2" SPRING ISOLATION. CURB SHALL BE RATED FOR PROJECT WIND ZONE. REFER TO THE CODE SUMMARY SHEET FOR INFORMATION.
- K. PROVIDE ENGINEERING CALCULATIONS WITH SUBMITTAL. CURB SHALL HAVE MINIMUM R-8.0 INSULATION.
- L. PROVIDE FIELD WIRED 115 VOLT GFI RECEPTACLE
- M. PROVIDE DOUBLE-WALL CONSTRUCTION WITH R-13 FOAM INSULATION
- N. PROVIDE MODULATING GAS HEAT WITH STAINLESS STEEL HX
- O. PROVIDE MODULATING HOT GAS REHEAT
- P. PROVIDE CONDENSATE OVERFLOW SWITCH
- Q. PROVIDE BACNET INTERFACE
- R. PROVIDE REMOTE DISPLAY OPTION
- S. PROVIDE PHASE LOSS AND PROTECTION, HAL GUARDS, AND ACCESS DOORS
- T. PROVIDE MOTOR SHAFT GROUNDING FOR VFD MOTORS
- U. MECHANICAL CONTRACTOR SHALL PROVIDE FINAL GAS REGULATOR FOR ALL UNITS OPERATING WITH NATURAL GAS
- V. EQUIVALENTS BY GREENHECK, TRANE, OR AS LISTED IN THE SPECIFICATION.

DUCTLESS SPLIT UNIT (OUTDOOR) SCHEDULE

MARK	MODEL	TOTAL COOLING (MBH)	HEATING (MBH)	SEER	COMP. QTY/RLA	ELECTRICAL	WEIGHT (LBS)	REMARKS				
					V	PH	MCA	MFS				
DSC-1	AM036TXMDCHAA	36.0	42.0	20.5	11/7.3	208	1	23	40	10.0	220	
DSC-2	AM036TXMDCHAA	36.0	42.0	20.5	11/7.3	208	1	23	40	10.0	220	
DSC-3	AC018BXSCCCIAA	18.0	-	20.5	1/8.2	208	1	13.5	15	-	90	

GENERAL NOTES:

- A. MODEL NUMBERS ARE BASED ON SAMSUNG EQUIPMENT. EQUIVALENTS BY MITSUBISHI, DAIKIN, LG, OR AS LISTED IN THE SPECIFICATIONS
- B. UNITS SHALL BE TESTED PER AHRI 1200
- C. PROVIDE OPTIONAL WIND Baffle FOR ALL UNITS FOR LOW AMBIENT COOLING DOWN TO 0 DEG. F
- D. ALL ROOF CURBS/RAILS AND ATTACHMENTS THERETO SHALL BE THIRD PARTY LISTED FOR THE PROJECT WIND ZONE. ANCHORING DETAILS FOR THE UNIT TO THE RAILS, AND RAILS TO THE STRUCTURE, SHALL BE INCLUDED WITH THE SUBMITTAL
- E. PROVIDE EPOXY COATING ON CONDENSER COIL FOR 3000 HR SEA COAST APPLICATION.

DUCTLESS SPLIT UNIT (INDOOR) SCHEDULE

MARK	MODEL	SUPPLY CFM	ESP	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	HEATING (MBH)	ELECTRICAL	WEIGHT (LBS)	REMARKS		
							V	PH	FLA	MFS	
DS-1A	AM018TNVDCHAA	555	-	18.0	12.9	20.0	208	1	1	15	25
DS-1B	AM018TNVDCHAA	555	-	18.0	12.9	20.0	208	1	1	15	25
DS-2A	AM018NNDCHAA	460	-	18.0	12.9	20.0	208	1	1	15	30
DS-2B	AM018NNDCHAA	460	-	18.0	12.9	20.0	208	1	1	15	30
DS-3	AC018BNADCHAA	540	-	18.0	12.9	N/A	208	1	1	15	25

GENERAL NOTES:

- A. MODEL NUMBERS ARE BASED ON SAMSUNG EQUIPMENT. EQUIVALENTS BY DAIKIN, MITSUBISHI, LG, OR AS LISTED IN THE SPECIFICATIONS
- B. PROVIDE CONDENSATE PUMP, POWERED DIRECTLY FROM INDOOR UNIT TERMINALS, WITH EACH UNIT. 1 GPH AT 33 FT OF HEAD
- C. PROVIDE WIRED CONTROLLER FOR ALL UNITS UNLESS OTHERWISE SPECIFIED
- D. UNITS SHALL BE TESTED PER AHRI 1200

AIR DISTRIBUTION SCHEDULE

MARK	MANUFACTURER	MODEL	PURPOSE	MIN CFM	MAX CFM	FACE SIZE	INLET SIZE	REMARKS
10x6	PRICE	620	SUPPLY	30	175	-	10x6	<varies>
10x6R	PRICE	630	RETURN	-	-	-	10x6	
12x6	PRICE	620	SUPPLY	180	310	-	12x6	1.5
16x6	PRICE	620	SUPPLY	315	425	-	14x6	1.5
A	PRICE	ASPD	SUPPLY	30	100	24x24	6	1,2,3
B	PRICE	ASPD	SUPPLY	105	250	24x24	8	1,2,3
C	PRICE	ASPD	SUPPLY	255	375	24x24	10	1,2,3
LS4	PRICE	SDS100	SUPPLY	150	220	4" SLOT	8	6
R	PRICE	APDDR	RETURN/EXHAUST	30	100	24x24	6	1,2,3,4
S	PRICE	APDDR	RETURN/EXHAUST	105	220	24x24	8	1,2,3,4
T	PRICE	APDDR	RETURN/EXHAUST	225	375	24x24	10	1,2,3,4
Z	PRICE	APDDR	RETURN	0	1400	24x24	22x22	1,2,4

GENERAL NOTES:

- A. BASIS OF DESIGN IS PRICE. EQUIVALENTS BY TITUS, KRUEGER, TUTTLE AND BAILEY, MAILOR, OR AS LISTED IN SPECIFICATIONS
- B. PROVIDE VOLUME DAMPERS AT TAKE-OFF FOR EACH GRILLE
- C. ALL AIR DISTRIBUTION DEVICES SHALL BE ALUMINUM
- D. THE PRICE MODELS SCHEDULED HERE ARE BASIS OF DESIGN, INCLUDING GENERATED NOISE. PROPOSED SUBSTITUTIONS WILL BE JUDGED BY THOSE CRITERIA ALSO
- E. WHERE LOCATED IN HARD CEILINGS, PROVIDE ALUMINUM MOUNT FRAME/PLASTER FRAME FOR HARD CEILING THAT ALLOWS DIFFUSER/GRILLE WITH FLEX CONNECTION TO BE LIFTED OUT OF FRAME TO ACCESS CEILING SPACE. TYPICAL OF ALL HARD CEILING LOCATIONS. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN
- F. FOR SIDE WALL GRILLES, PROVIDE REMOTE CABLE OPERATED, GEAR DRIVEN BALANCING DAMPER OPERABLE FROM FACE OF DIFFUSER
- G. FOR DIFFUSERS AND GRILLES IN I-HR RATED CEILINGS, PROVIDE CEILING RADIATION DAMPER WITH ROUND SIDE COLLAR CONNECTION. THE RADIATION DAMPER SHALL INCLUDE A FACTORY RI-DUCTBOARD PLENUM BOX AND SHALL ACCEPT A GRILLE OR DIFFUSER UP TO 2-1/2" THICK. PROVIDE PLASTER FLANGE AS DICTATED BY THE ARCHITECTURAL CEILING. COORDINATE SIZES WITH GRILLE/DIFFUSER DIMENSIONS. RUSKIN CFD7T-R6-DB OR APPROVED EQUIVALENT.

REMARKS:

- 1. PROVIDE WITH OFF-WHITE ENAMEL FINISH
- 2. PROVIDE WITH TRIM TO MATCH CEILING TYPE. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING
- 3. PROVIDE DIFFUSER/GRILLE WITH ROUND NECK OR PROVIDE SQUARE TO ROUND TRANSITION
- 4. ALL CEILING MOUNTED RETURN GRILLES SHALL BE FULL FACED. NO LAY-IN PANELS ALLOWED
- 5. PROVIDE MANUAL OPERATED DAMPER
- 6. PROVIDE LINEAR SLOT PLENUM AND INTERNAL INSULATION. CONTRACTOR TO ALSO FIELD INSULATED EXTERIOR OF PLENUM. 2 SLOTS.

FAN SCHEDULE

MARK	MANUFACTURER	MODEL	CFM	ESP	HP	WATTS/BHP	RPM	MAX RPM	ELECTRICAL	WEIGHT (LBS)	REMARKS	
									V	PH	MFS	
EF-1	GREENHECK	G-095-VG	240	0.49	0.17	0.05	1299	1400	6.7	115	1	50
EF-2	GREENHECK	G-097-VG	140	0.41	0.25	0.04	1133	1200	4.8	115	1	50
EF-3	GREENHECK	G-097-VG	70	0.30	0.25	0.01	858	900	2.5	115	1	50
EF-4	GREENHECK	G-098-VG	350	0.55	0.25	0.07	1243	1300	6.3	115	1	50
EF-5	GREENHECK	G-097-VG	140	0.41	0.25	0.04	1133	1200	4.8	115	1	50
EF-6	GREENHECK	G-097-VG	90	0.35	0.25	0.03	960	1100	3.0	115	1	50
EF-7	GREENHECK	G-095-VG	225	0.48	0.17	0.05	1282	1400	6.6	115	1	50
EF-8	GREENHECK	G-098-VG	380	0.46	0.25	0.06	1187	1250	5.9	115	1	50
EF-9	GREENHECK	G-098-VG	350	0.43	0.25	0.06	1165	1200	5.7	115	1	50

DEMOLITION GENERAL NOTES:

- A. NOTIFY THE OWNER, IN WRITING, AT LEAST 7 DAYS IN ADVANCE OF ALL REQUIRED SHUTDOWNS OF ELECTRICAL UTILITIES... B. WHEN WORKING IN AND AROUND THE EXISTING BUILDING, EXTREME CARE SHALL BE EXERCISED IN REGARDS TO PROTECTION OF THE EXISTING STRUCTURE... C. ALL EXISTING WIRING, EQUIPMENT, CONDUITS AND MATERIALS NOT REQUIRED FOR REUSE OR RE-INSTALLATION... D. EXISTING CONDITIONS (PRESENCE AND LOCATION OF PANELBOARDS, LIGHTING FIXTURES, RECEPTACLES, EQUIPMENT, MATERIALS AND CIRCUITING) INDICATED ARE BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORD DRAWINGS AND FIELD SURVEYS... E. EXISTING EQUIPMENT SIZES NOTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND ARE NOT WARRANTED TO BE CORRECT... F. WHEN EXISTING MECHANICAL AND ELECTRICAL WORK IS REMOVED, ALL CONDUITS, WIRING AND MATERIALS SHALL BE REMOVED TO A POINT BELOW FINISHED FLOORS OR BEHIND FINISHED WALLS AND CARPET... G. EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, AND MATERIALS AFFECTED BY DEMOLITION OR NEW WORK INSTALLATION AND REQUIRED TO REMAIN IN SERVICE SHALL BE REINSTALLED OR SUPPORTED AS REQUIRED IN ACCORDANCE WITH NEW WORK SPECIFICATIONS... H. IN GENERAL, ON DEMOLITION DRAWINGS, ALL EQUIPMENT AND MATERIALS SHOWN "LIGHT" ARE EXISTING TO REMAIN AND ALL EQUIPMENT AND MATERIALS SHOWN AS "HEAVY AND DASHED" ARE EXISTING TO BE DEMOLISHED... I. ENSURE THAT ALL ELECTRICAL WORK IS DONE DE-ENERGIZED... J. ALL TESTING, TROUBLESHOOTING AND VERIFICATION OF DEENERGIZATION IS TO BE DONE IN ACCORDANCE WITH NFPA 70E INCLUDING ESTABLISHING, ISOLATING IF REQUIRED, SHIELDING PROTECTIVE AND ARC FLASH PROTECTIVE APPROACH BOUNDARIES AND WEARING PERSONAL PROTECTIVE EQUIPMENT APPROPRIATE FOR THE HAZARD... K. PRIOR TO THE REMOVAL OF A CIRCUIT FROM A PANELBOARD, THE CONTRACTOR SHALL VERIFY THAT NO EXISTING LOADS REMAIN ON THAT CIRCUIT... L. UPDATE PANEL SCHEDULES TO REFLECT NEW AND CHANGED LOAD. ALL PANEL SCHEDULES SHALL BE COMPUTER GENERATED.

ELECTRICAL SYSTEM AND EQUIPMENT

METHOD OF COMPLIANCE: ENERGY CODE: PRESCRIPTIVE_X PERFORMANCE____ ASHRAE 90.1: PRESCRIPTIVE____ PERFORMANCE____

LIGHTING SCHEDULE

Lamp type required in fixture - See Fixture Schedule. Number of amps in fixture - See Fixture Schedule. Ballast type used in the fixture - See Specifications. Number of ballasts in fixture - See Specifications. Total wattage per fixture - Varies - See Fixture Schedule. Total interior wattage specified versus allowed: 27077 watts versus 30275 watts (whole building). Total exterior wattage specified versus allowed: 1930 watts versus 1792 watts.

ADDITIONAL PRESCRIPTIVE COMPLIANCE

- 406.2 More Efficient HVAC Performance
406.3 Reduced Lighting Power Density
406.4 Enhanced Lighting Controls
406.5 On-Site Supply of Renewable Energy
406.6 Provision of Dedicated Outdoor HVAC Air System
406.7 High Efficiency Service Water Heating

DESIGNER STATEMENT: To the best of my knowledge and belief, the design of this building complies with the electrical system and equipment requirements of the 2018 North Carolina State Building Code, Energy Conservation Code.

ELECTRICAL CODE SUMMARY

NOT TO SCALE

GENERAL NOTES

- 1. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE FROM THESE DRAWINGS.
2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH ALL OTHER TRADES INVOLVED IN THE PROJECT PRIOR TO THE INSTALLATION OF HIS EQUIPMENT TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE.
3. ALL LIGHT FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE AND IS NOT ALLOWED TO BE ANCHORED OR SUPPORTED BY ANY PART OF THE SUSPENDED CEILING SYSTEM. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.
4. THE USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARATE INSULATED, GREEN COLORED COPPER WIRE SHALL RUN WITH THE CIRCUIT CONDUCTORS IN EACH CIRCUIT CONDUIT.
5. IN ALL AREAS WHERE FIRE RATED WALLS, FLOORS AND CEILINGS ARE INSTALLED, ALL PENETRATIONS OF ELECTRICAL CONDUITS OR OTHER RELATED ELECTRICAL MATERIAL SHALL BE PROPERLY SEALED WITH APPROVED FIRE RATED MATERIALS TO MAINTAIN THE RATINGS OF THE BUILDING CONSTRUCTION.
6. ALL FUSES, DISCONNECT SWITCHES AND BREAKER SIZES SHOWN FOR MECHANICAL/PLUMBING/FIRE PROTECTION EQUIPMENT SHALL BE VERIFIED PRIOR TO THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT. WITH THE EQUIPMENT SUPPLIER AND MECHANICAL/PLUMBING CONTRACTOR, REFER TO MECHANICAL AND PLUMBING SPECIFICATIONS FOR ELECTRICAL DIVISION OR WORK.
7. ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH STATE, LOCAL AND NATIONAL CODES AND ORDINANCES.
8. EACH CONTRACTOR SHALL PROVIDE THEIR OWN SUPPORTS FOR ALL DEVICES AND EQUIPMENT PROVIDED BY THE CONTRACTOR AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OF MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
9. ALL JUNCTION BOXES AND CONDUIT RUNS (WITH OR WITHOUT WIRES) SHALL BE COLOR CODED WITH PAINT IN ACCORDANCE WITH ELECTRICAL GENERAL PROVISIONS.
10. THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
11. ALL WIRE AND CONDUIT SIZES ARE BASED ON 75 DEGREE CELSIUS THHN OR THWN WIRE UNLESS OTHERWISE NOTED.
12. THE NEW FIRE ALARM EQUIPMENT SHOWN SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS. PROVIDE ALL WIRING AS REQUIRED FOR A COMPLETE SYSTEM.
13. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL CEILING TYPES AND FINISHES BEFORE PURCHASING ANY LIGHT FIXTURES SO THAT THE PROPER TRIM WILL BE PROVIDED FOR THE CEILING TO BE INSTALLED. ANY CHANGES REQUIRED DUE TO INCORRECT LIGHTING FIXTURE MOUNTING HARDWARE SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
14. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE UTILITY POWER COMPANY FOR THE WORK REQUIRED FOR THE CONNECTION OF THE UTILITY'S NEW TRANSFORMER METERING. THE ELECTRICAL CONTRACTOR SHALL PAY ALL NECESSARY CHARGES FOR THE INSTALLATION OF THE UNDERGROUND ELECTRICAL SERVICE AS SHOWN ON THE PLANS.
15. WHERE MULTIPLE SWITCHES ARE SHOWN IN THE SAME LOCATION, THEY SHALL BE GANGED TOGETHER IN ONE MULTIPLE GANG BOX WITH MATCHING COVER AND PARTITION (IF REQUIRED). THE ELECTRICAL CONTRACTOR SHALL LOCK BOTH POWER AND LIGHTING PLAN TO DETERMINE WHICH SWITCH IS APPLICABLE.
16. WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS OR THE ROOF, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS.
17. ALL EXTERIOR BUILDING LIGHTS AND EMERGENCY LIGHTING SHALL BE WIRED WITH A MINIMUM #10 AWG OR AS NOTED OTHERWISE.
18. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CHAIN HUNG FIXTURES LOCATED IN MECHANICAL OR OTHER SPACES WITH OTHER TRADES, SO AS NOT TO CONFLICT WITH OTHER EQUIPMENT.
19. ALL EMERGENCY LIGHTING, EXIT SIGNS AND NIGHT LIGHTS SHALL BE WIRED TO THE ELECTRICAL CONTRACTOR'S BUILDING AUTOMATION SYSTEM.
20. WHERE CONDUIT OR OUTLET BOXES CANNOT BE INSTALLED IN EXISTING WALLS FOR NEW DEVICES, NOTIFY ARCHITECT FOR AN ACCEPTABLE INSTALLATION SOLUTION PRIOR TO PROCEEDING.
21. OUTLET BOXES ON OPPOSITE SIDES OF A FIRE RESISTANT WALL OR SHAFT ENCLOSURE RATED TWO (2) HOURS OR LESS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24" AS REQUIRED BY NCSBC VOL. 1 PARAGRAPH 705.4.3.
22. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ACCESS PANELS AS REQUIRED FOR ELECTRICAL CODE COMPLIANCE AND TO ACCESS ANY INSTALLATION THAT WILL REQUIRE FUTURE MAINTENANCE. THESE DOORS SHALL BE 20"x20" EACH ROOM WITH A DRYWALL CEILING SHALL HAVE A MINIMUM OF ONE ACCESS DOOR PROVIDED BY THE ELECTRICAL CONTRACTOR. THE DRYWALL SUBCONTRACTOR WILL PROVIDE THE REQUIRED FRAMED OPENING AND INSTALL THE ACCESS DOORS.
23. ALL UNDERGROUND CONDUITS SHALL BE IDENTIFIED ON ASBUILT PLANS WITH DIMENSIONS LOCATING THE CONDUITS AND THEIR RESPECTIVE BURIAL DEPTHS.
24. REFER TO SERIES E4 FIRE ALARM PLANS FOR FIRE ALARM WORK.
25. CONDUCTORS FOR BRANCH CIRCUITS SHALL BE SIZED TO PREVENT VOLTAGE DROP EXCEEDING 3% AT THE FARTHEST OUTLET OF POWER, HEATING AND LIGHTING LOADS OR ANY COMBINATION OF SUCH LOADS. THE MAXIMUM TOTAL VOLTAGE DROP ON BOTH FEEDER AND BRANCH CIRCUITS TO THE FARTHEST CONNECTION SHALL NOT EXCEED 3%.
A. WHERE THE CONDUCTOR LENGTH FROM THE PANEL TO THE FIRST OUTLET ON A 120V CIRCUIT EXCEEDS 50'-0", THE BRANCH CIRCUIT CONDUCTORS FROM THE PANEL TO THE FIRST OUTLET SHALL NOT BE SMALLER THAN #10 AWG. INCREASE THE BRANCH CIRCUIT CONDUCTOR SIZE AN ADDITIONAL WIRE SIZE FOR EACH ADDITIONAL 125' FOR THE ENTIRE CIRCUIT. THE GROUND CONDUCTOR SIZE SHALL BE INCREASED PROPORTIONALLY TO THE INCREASED PHASE CONDUCTORS AS PER NEC 2020 250.122(B).
B. WHERE THE BRANCH CIRCUIT CONDUCTOR LENGTH FROM THE PANEL TO THE FIRST OUTLET ON A 277V CIRCUIT EXCEEDS 125'-0" THE BRANCH CIRCUIT CONDUCTORS FROM THE PANEL TO THE FIRST OUTLET SHALL NOT BE SMALLER THAN #10AWG. INCREASE THE BRANCH CIRCUIT CONDUCTOR SIZE AN ADDITIONAL WIRE SIZE FOR EACH ADDITIONAL 125' FOR THE ENTIRE CIRCUIT. THE GROUND CONDUCTOR SIZE SHALL BE INCREASED PROPORTIONALLY TO THE INCREASED PHASE CONDUCTORS AS PER NEC 2020 250.122 (B).

ABBREVIATIONS

Table with 2 columns: ABBREV. and DEFINITION. Lists various electrical symbols and their corresponding terms like AMP, AC, AD, AF, AH, AI, AL, AN, AT, AW, BA, BC, CB, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

SYMBOL LEGEND (CONT.)

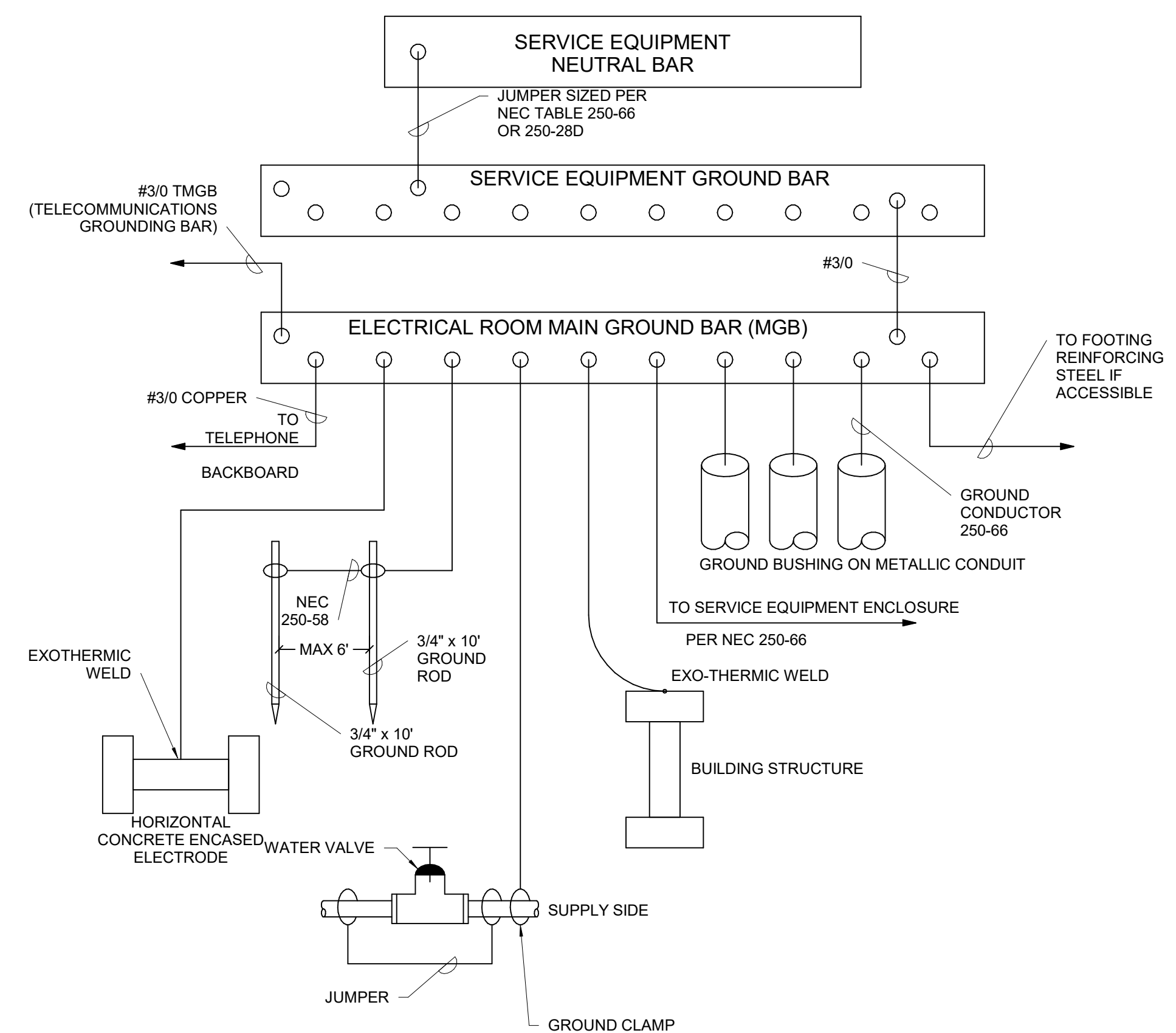
Table with 3 columns: SYMBOL, DESCRIPTION, REMARKS. Lists various electrical symbols and their corresponding terms and notes, such as CEILING MOUNTED FIRE ALARM STROBE, MANUAL FIRE ALARM PULL STATION, PHOTOELECTRIC TYPE SMOKE DETECTOR, DUCT TYPE PHOTOELECTRIC SMOKE DETECTOR, HEAT DETECTOR - FIXED TEMPERATURE, TAMPER SWITCH/FLOW SWITCH - BY SPRINKLER SYSTEM, SPRINKLER BELL - COORDINATE WITH FIRE PROTECTION CONTRACTOR, REMOTE ALARM ANNUNCIATORS FOR DUCT DETECTORS, ADDRESSABLE FIRE ALARM CONTROL PANEL, WALL MOUNTED FIRE ALARM STROBE, FIRE ALARM SYSTEM NOTIFICATION APPLIANCE BOOSTER CABINET, CARBON MONOXIDE DETECTOR WITH TEMPORAL 4 SOUNDER BASE, FIRE ALARM SHUTDOWN RELAY, WIRELESS ACCESS POINT, 2 POST DATA RACK PROVIDED AND INSTALLED BY DIVISION 27 CONTRACTOR, IDF ROOM GROUND BAR, MDF ROOM MAIN TELECOM GROUND BAR, 18"x4" LADDER RUNWAY CABLE TRAY, CONDUIT SLEEVE, HANDHOLE, HVAC CONTROL PANEL, FLAT PANEL COMM AND POWER OUTLETS, LOW VOLTAGE TIMER SWITCH, VIDEO SURVEILLANCE CAMERA, SERVICE ENTRANCE RATED, MANUAL TRANSFER SWITCH, AUTOMATIC TRANSFER SWITCH, SIX GANG RECESS ACTIVATED FLOOR BOX, POWER FURNITURE FEED, TELECOMMUNICATION FURNITURE FEED, DOOR RELEASE BUTTON, CARD READER, REQUEST TO EXIT MOTION SENSOR, DOOR POSITION SWITCH, S2 ACCESS CONTROL PANEL, S2 NODE FOR DOOR CONTROLLER, AUDIO/VISUAL EQUIPMENT RACK, EMERGENCY POWER OFF PUSH BUTTON STATION, GENERATOR CONTROL PANEL.

SHEET INDEX - ELECTRICAL. Table with 4 columns: Sheet Number, Sheet Name, Current Revision, Current Revision Date. Lists sheets E0-01 through E7-01 including ELECTRICAL LEAD SHEET, DETAILS, POWER RISER, SECURITY DETAILS, ELECTRICAL DEMOLITION PLAN, MECHANICAL BUILDING DEMOLITION PLAN, LIGHTING PLAN - AREA A, LIGHTING PLAN - AREA B, POWER PLAN - AREA A, POWER PLAN - AREA B, POWER PLAN - ROOF, TECHNOLOGY PLAN - AREA A, TECHNOLOGY PLAN - AREA B, FIRE ALARM & SECURITY PLAN - AREA A, FIRE ALARM & SECURITY PLAN - AREA B, ROOF FIRE ALARM PLAN, PANEL SCHEDULES, PANEL SCHEDULES, PANELS AND LIGHTING FIXTURE SCHEDULE, ELECTRICAL SITE PLAN.

SYMBOL LEGEND

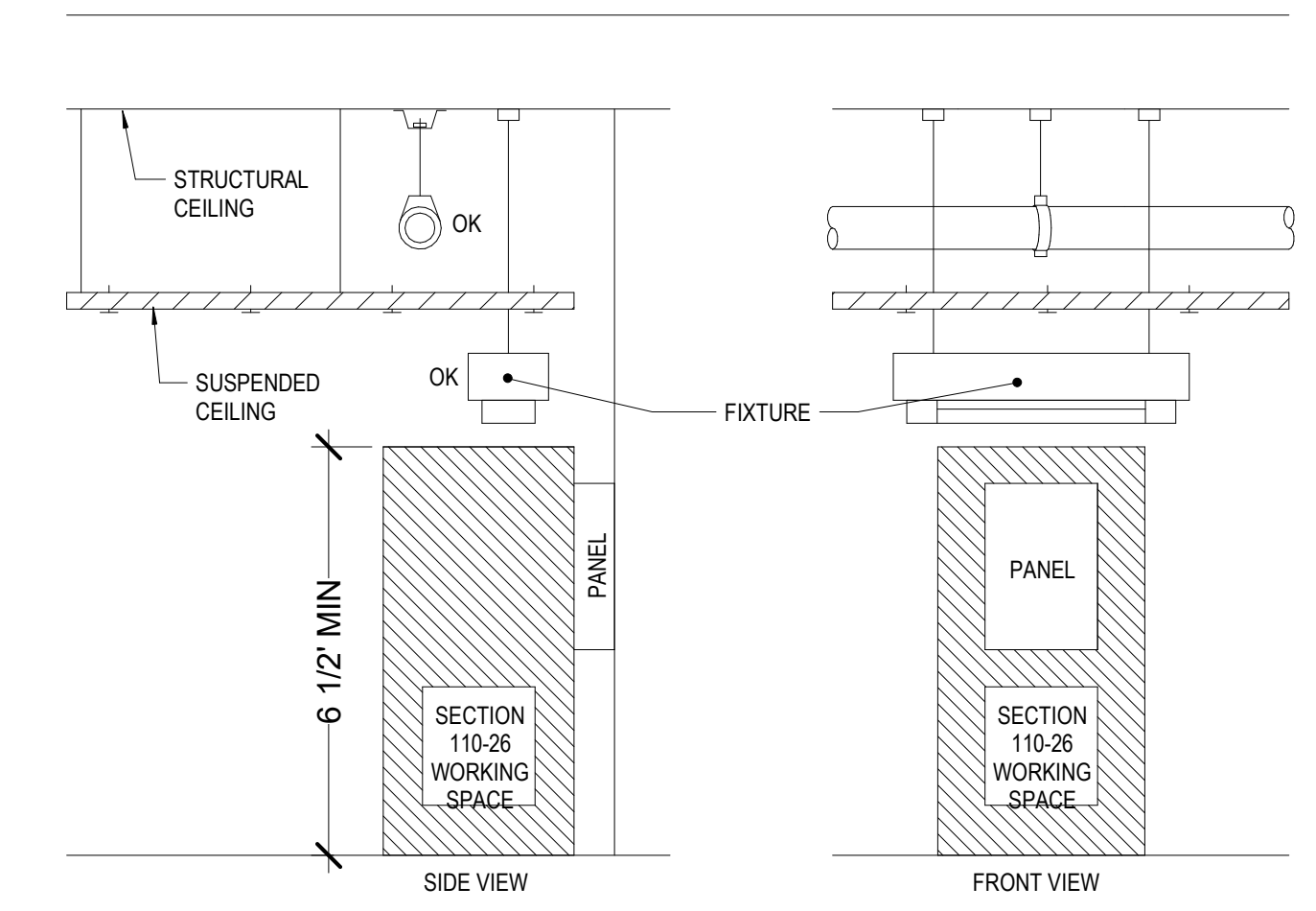
Table with 3 columns: SYMBOL, DESCRIPTION, REMARKS. Lists various electrical symbols and their corresponding terms and notes, such as EXISTING EXIT SIGN TO BE REMOVED, EXISTING LIGHT FIXTURE TO BE REMOVED, EXISTING DOWN LIGHT TO BE REMOVED, EXISTING WALL LIGHT TO BE REMOVED, EXISTING FLOOD LIGHT TO BE REMOVED, EXISTING LIGHT SWITCH TO BE REMOVED, EXISTING RECEPTACLE TO BE REMOVED, EXISTING COMMUNICATION OUTLET TO BE REMOVED, EXISTING DISCONNECT SWITCH TO BE REMOVED, EXISTING JUNCTION BOX TO BE REMOVED, EXISTING FIRE ALARM A/V DEVICE TO BE REMOVED, EXISTING FIRE ALARM PULL STATION TO BE REMOVED, EXISTING LOUD SPEAKER TO BE REMOVED, EXISTING LIGHTING CONTROL SWITCHES TO BE REMOVED, EXISTING SMOKE DETECTOR TO BE REMOVED, EXISTING QUAD RECEPTACLE TO BE REMOVED, EXISTING TIME CLOCK TO BE REMOVED, EXISTING FIRE ALARM ELECTRO-MAGNETIC HOLDER TO BE REMOVED, EXISTING 3-WAY LIGHTING SWITCH TO BE REMOVED, EXISTING 4-WAY LIGHTING SWITCH TO BE REMOVED, EXISTING FIRE ALARM VISUAL DEVICE TO BE REMOVED, EXISTING DUCT SMOKE DETECTOR TO BE REMOVED, EXISTING FIRE ALARM CONTROL PANEL TO BE REMOVED, EXISTING 120/208 VOLT PANEL TO BE REMOVED, EXISTING 277/480 VOLT PANEL TO BE REMOVED, LUMINAIRE - LETTER DESIGNATES TYPE, NIGHT LIGHT/EMERGENCY LED FIXTURE - LETTER DESIGNATES TYPE, LIGHT FIXTURE - LETTER DESIGNATES TYPE, LED EMERGENCY LIGHT FIXTURE - LETTER DESIGNATES TYPE, EXTERIOR EMERGENCY LED LIGHT FIXTURE - LETTER DESIGNATES TYPE, LINEAR LED LUMINAIRE - LETTER DESIGNATES TYPE - LENGTH PER PLANS, LINEAR LED LUMINAIRE WITH 90 MINUTE BATTERY BACKUP - LETTER DESIGNATES TYPE - LENGTH PER PLANS, EXIT LIGHT - ARROW INDICATES DIRECTION & SHADING INDICATES ILLUMINATED FACE(S), ELECTRICALLY HELD LIGHTING CONTACTOR, NUMBER OF CONTACTS AS REQUIRED, PROVIDE HAND OFF AUTO SWITCH FOR EACH LIGHTING CONTACTOR, CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH 1000 SQ. FT. 360° COVERAGE, TIME DELAY OF NO LESS THAN 15 MINUTES, CORNER MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH 2000 SQ. FT. 360° COVERAGE AND WIDE ANGLE LENS, TIME DELAYS OF NO LESS THAN 15 MINUTES. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS, CEILING MOUNTED DIGITAL, LOW VOLTAGE, DUAL TECHNOLOGY OCCUPANCY SENSOR WITH 2000 SQ. FT. 360° COVERAGE, SINGLE POLE TOGGLE SWITCH - 48" ABOVE FINISHED FLOOR TO TOP OF OUTLET, UNLESS OTHERWISE NOTED, DUAL TECHNOLOGY SINGLE BUTTON WALL SWITCH SENSOR - TIME DELAYS OF NO LESS THAN 15 MINUTES. MOUNT AT 48" TO TOP OF OUTLET BOX. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS. REFER TO DETAIL E0-03/2, LOW VOLTAGE OVERRIDE SWITCH, PROVIDED AND INSTALLED BY HVAC CONTRACTORS CONTRACTOR, 3-WAY SWITCH - INSTALL AT 48" ABOVE FINISHED FLOOR TO TOP OF OUTLET. SWITCH COLOR SELECTED BY ARCHITECT, 2 BUTTON DIGITAL SWITCH WITH DIMMING, 4-WAY SWITCH - INSTALL AT 48" ABOVE FINISHED FLOOR TO TOP OF OUTLET. SWITCH COLOR SELECTED BY ARCHITECT, SINGLE POLE TOGGLE SWITCH WITH WEATHERPROOF COVER AT 48" ABOVE FINISHED FLOOR TO TOP OF OUTLET, UNLESS OTHERWISE NOTED, DIGITAL B-ZONE CONTROLLER, 120 VOLT, 20 AMP, HEAVY DUTY MOTOR RATED TOGGLE DISCONNECT SWITCH WITH JUNCTION BOX, 208 VOLT, 20 AMP, 2 POLE, HEAVY DUTY MOTOR RATED TOGGLE DISCONNECT SWITCH WITH JUNCTION BOX, DUPLEX, GROUNDING TYPE, TAMPER RESISTANT RECEPTACLE - AT 16" ABOVE FINISHED FLOOR TO BOTTOM OF OUTLET, UNLESS OTHERWISE NOTED, DUPLEX RECEPTACLE - GROUND FAULT INTERRUPTION, TAMPER RESISTANT TYPE - INSTALL AT 16" ABOVE FINISHED FLOOR TO BOTTOM OF OUTLET, UNLESS OTHERWISE NOTED, WEATHERPROOF DUPLEX, GROUND FAULT INTERRUPTING, TAMPER RESISTANT TYPE RECEPTACLE - 16" ABOVE GRADE TO BOTTOM OF OUTLET BOX, UNLESS OTHERWISE NOTED, QUADRUPLX GROUNDING, TAMPER RESISTANT TYPE RECEPTACLES IN A DOUBLE GANG BOX, MOUNT AT 16" AFF TO BOTTOM OF OUTLET UNLESS OTHERWISE NOTED, 250 VOLT RATED, SINGLE OR THREE PHASE GROUND FAULT RECEPTACLE - SIZE TO MATCH EQUIPMENT FURNISHED - MOUNT AT 16" ABOVE FINISHED FLOOR TO BOTTOM OF OUTLET, UNLESS OTHERWISE NOTED, DATA OUTLET - REFER TO PLANS FOR LOCATIONS, #D INDICATES NUMBER OF NETWORK DROPS AT THAT LOCATION OR PROVIDE (2) CAT-6 DROPS AT EACH OUTLET. SEE DETAIL E0-02/4, DISTRIBUTION COPPER WOUND STEP-DOWN TRANSFORMER - 480-120/208V, 120/208 VOLT PANELBOARD WITH NEUTRAL AND GROUND BUS ACCESSORIES, 277/480 VOLT PANELBOARD WITH NEUTRAL AND GROUND BUS ACCESSORIES, 277/480 VOLT SERVICE ENTRANCE PANELBOARD WITH NEUTRAL AND GROUND BUS ACCESSORIES, SURGE PROTECTIVE DEVICE, DISCONNECT SWITCH, HEAVY DUTY, WRING AND CONDUIT INSTALLED CONCEALED IN WALL SPACE OR ABOVE FINISHED CEILING, UNSWITCHED WIRING AND CONDUIT LEG ON LIGHTING PLANS, UNDER FLOOR WIRING AND CONDUIT ON POWER PLANS, UNDER GROUND WIRING AND CONDUIT ON SITE PLANS, HOME RUN CIRCUIT TO PANELBOARD - NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS, JUNCTION BOX WITH REMOVABLE COVER - SIZE PER NATIONAL ELECTRICAL CODE, WALL MOUNTED 750 WATT LED EMERGENCY LIGHTING INVERTER - FULL OUTPUT RATED - 1 CIRCUIT/CANOPY ZONE, NAPCO X255 SECURITY PANEL - REFER TO SPECIFICATIONS, NUMERICAL REMOTE SECURITY KEYPAD, LOCATE AT 60" AFF, MOTION SENSOR - WALL MOUNTED, WA = WIDE ANGLE, LR = LONG RANGE, SLIDE TYPE DIMMER SWITCH WITH ON/OFF FOR 0-10V AS NEEDED, VERIFY WITH FIXTURE PROVIDER FOR COMPATIBLE SWITCH TYPES, 3-WAY SLIDE DIMMER SWITCH WITH ON/OFF FOR 0-10V AS NEEDED, VERIFY WITH FIXTURE PROVIDER FOR COMPATIBLE SWITCH TYPES, CEILING MOUNTED FIRE ALARM A/V DEVICE - #CD INDICATES CADELA RATING OF STROBE, WALL MOUNTED FIRE ALARM A/V DEVICE - #CD INDICATES CADELA RATING OF STROBE.

smith sinnett ARCHITECTURE. T 919 781 8582 F 919 781 3979. 4600 Lake Boone Trail Suite 205 Raleigh, NC 27607 info@smithsinnett.com. pdc Progressive Design Collaborative, Inc. 9101 Research Road, Suite 300 Raleigh, North Carolina 27604 919-781-9000. 10/11/2024. Onslow County Senior Service Center Renovation Onslow County Government 4025 Richlands Hwy, Jacksonville, NC 28540. DRAWN BY: JPT CHECKED BY: JTB ELECTRICAL LEAD SHEET. 2021029 16 OCT. 2024. E0-01.

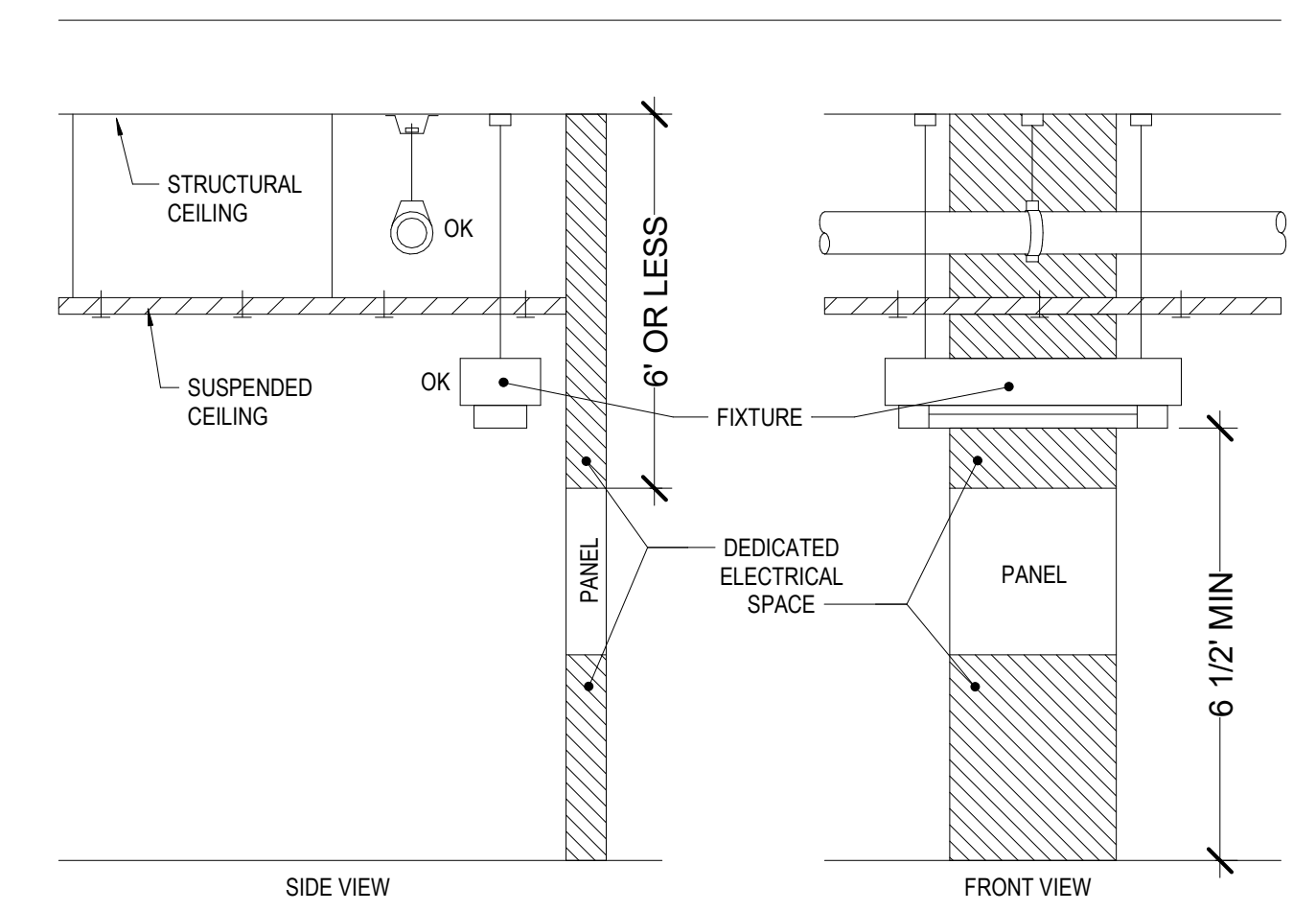


- GENERAL NOTES:**
- THIS SCHEMATIC IS NOT INTENDED TO SHOW ALL NEC AND OTHER CODE REQUIRED BONDING AND GROUNDING. RATHER, IT IS INTENDED TO ALERT THE CONTRACTOR TO TYPICAL MISAPPLICATIONS AND/OR OVERSIGHTS THAT OCCUR IN THE FIELD. THE CONTRACTOR IS A LICENSED PROFESSIONAL AND REMAINS RESPONSIBLE FOR ADHERENCE TO ALL INSTALLATION CODES WHETHER SHOWN OR NOT.
 - ALL CONDUCTORS SHOWN ON THIS SCHEMATIC SHALL BE SIZED PER NEC 250-66 UNLESS NOTED OTHERWISE.
 - ALL GROUNDING AND BONDING SHOWN IS REQUIRED TO BE INSTALLED IF PRESENT ON THE PROJECT.
 - SEE OTHER DETAILS FOR ADDITIONAL GROUNDING AND BONDING OF OTHER EQUIPMENT AND/OR SYSTEMS.
 - COORDINATE CONCRETE ENCASED ELECTRODES WITH STRUCTURAL ENGINEER.

2 DETAIL - BONDING AND GROUNDING SCHEMATIC
NOT TO SCALE

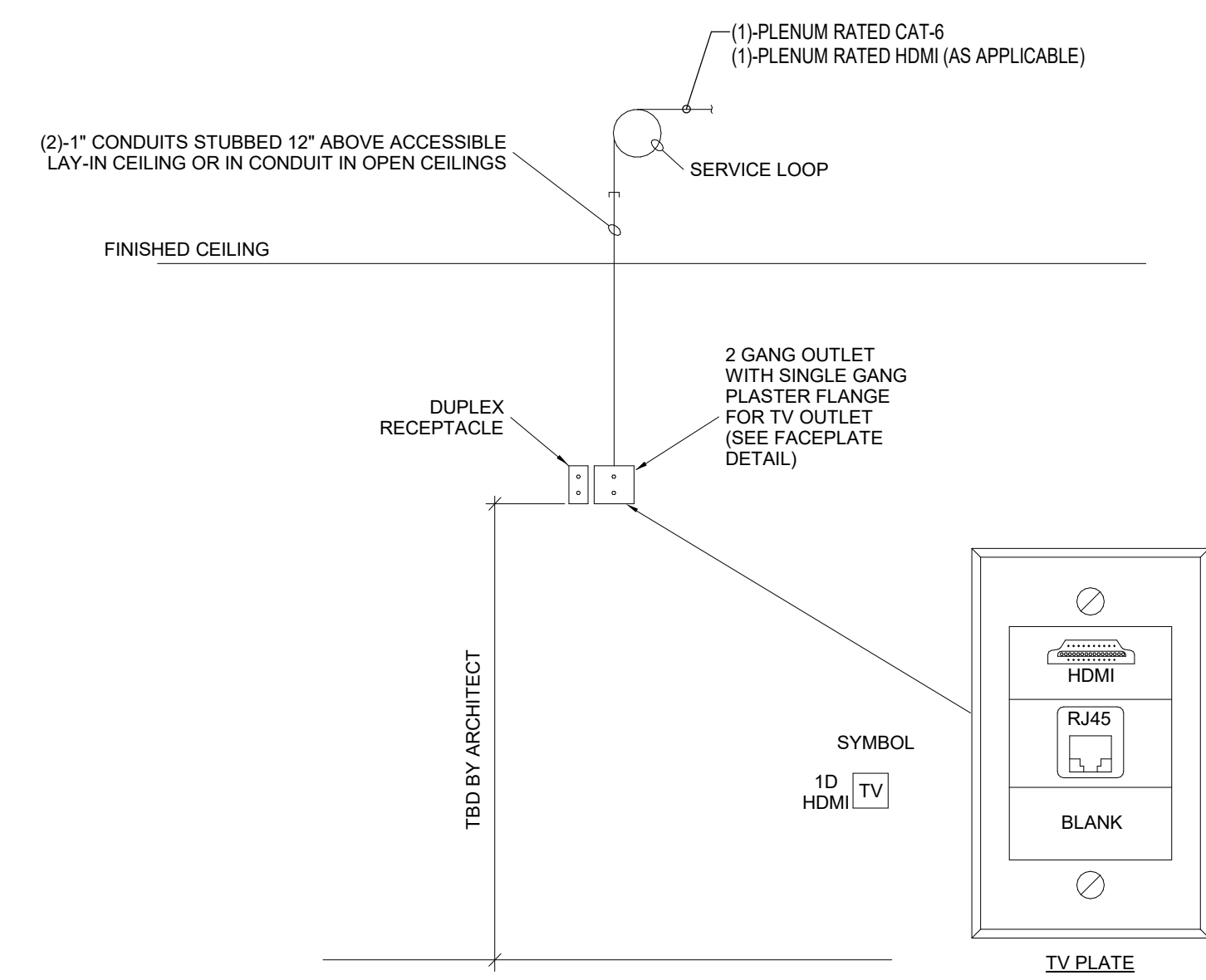


WORKING CLEARANCE FOR ELECTRICAL EQUIPMENT
N.E.C ARTICLE 110-26



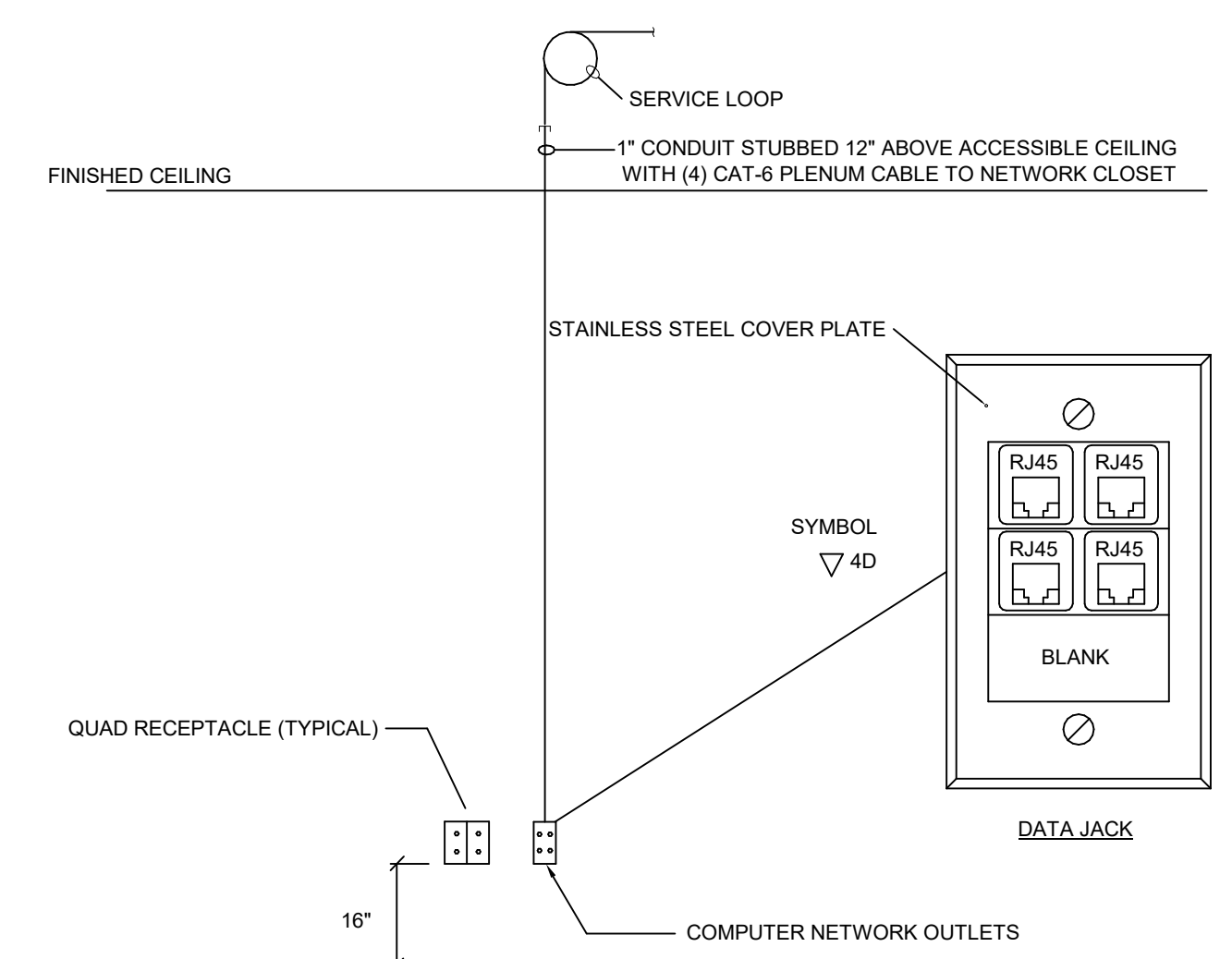
DEDICATED SPACE FOR ELECTRICAL EQUIPMENT
N.E.C ARTICLE 110-26

1 ELECTRICAL EQUIPMENT CLEARANCE
NOT TO SCALE



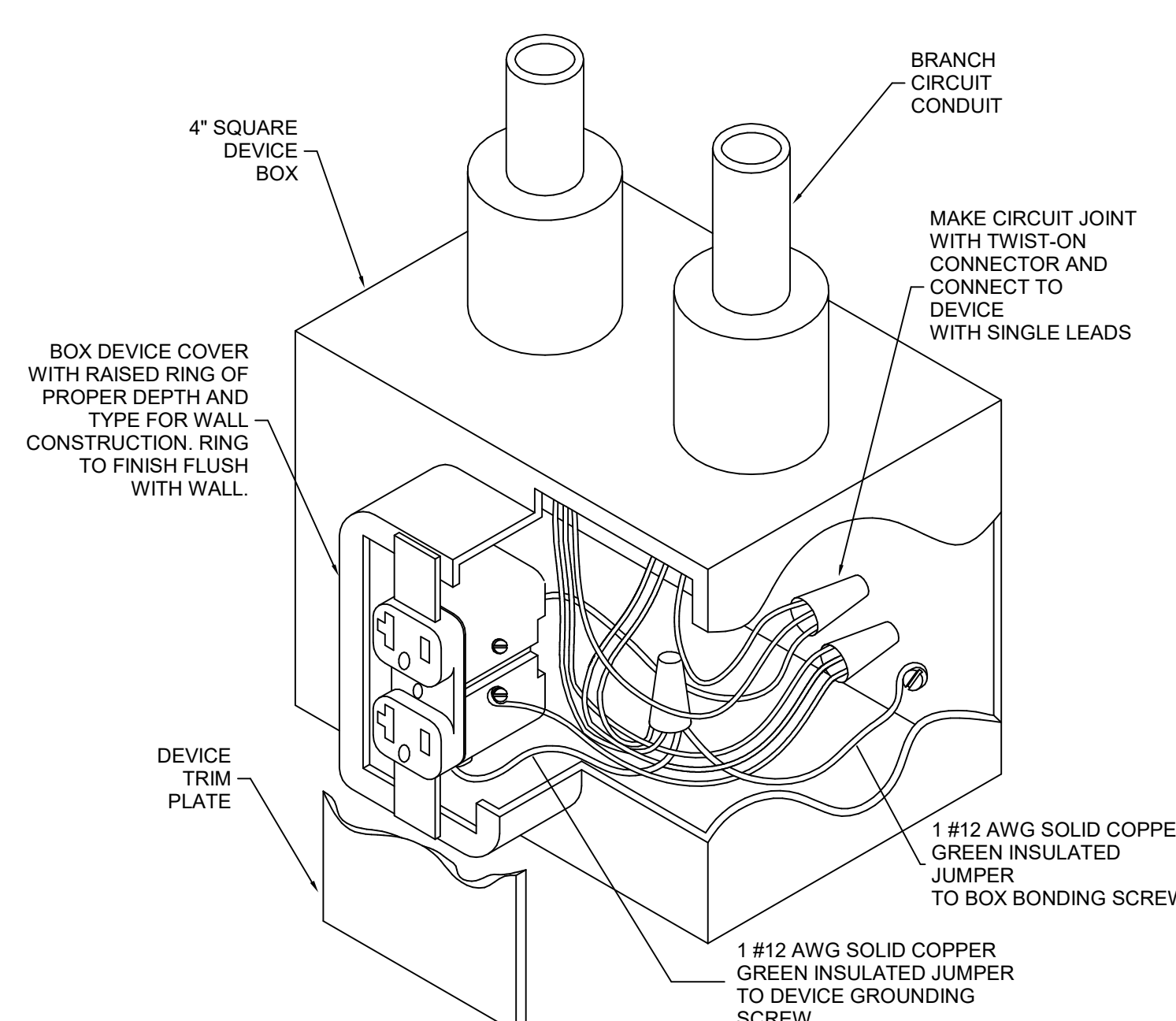
- GENERAL NOTES:**
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT, BOXES AND RECEPTACLES.
 - CONTRACTOR SHALL PROVIDE AND INSTALL ALL PLENUM RATED CAT-6, HDMI, FACEPLATES AND ASSOCIATED RJ45 & HDMI CONNECTORS.
 - CONTRACTOR SHALL UTILIZE CONDUIT, TRAY SYSTEM OR J-HOOKS FOR EASE OF ROUTING.
 - CONTRACTOR SHALL VERIFY LOCATIONS OF TVs WITH ARCHITECTURAL PLANS PRIOR TO LOCATING OUTLETS.
 - PROVIDE PLENUM RATED HDMI CABLING AND APPLICABLE JACK CONNECTION AT ROOMS AS INDICATED ON PLAN. THE HDMI SHALL INTERCONNECT THE TELEVISION WITH THE WALL-MOUNTED INPUT PLATE OF THE APPLICABLE FLOOR BOX IN THAT SPACE.
 - ALL LOW VOLTAGE WIRING THAT WILL BE ROUTED ACROSS OPEN CEILINGS SHALL BE IN CONDUIT.

5 DETAIL - TV OUTLET LOCATION
NOT TO SCALE

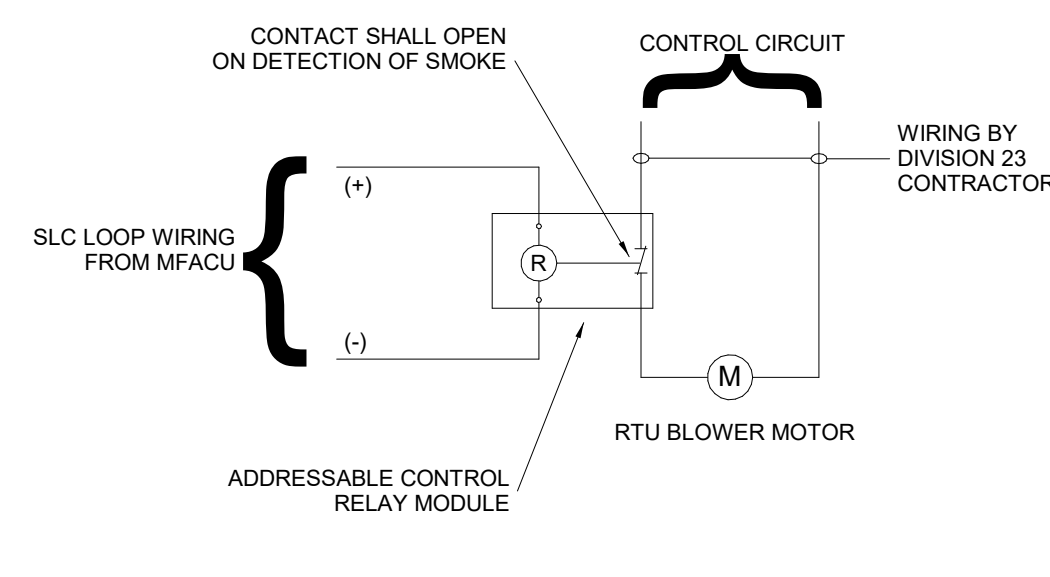


- GENERAL NOTES:**
- CONTRACTOR SHALL PROVIDE ALL CONDUIT, BOXES AND RECEPTACLES.
 - CONTRACTOR SHALL PROVIDE ALL PLENUM RATED CAT-6 WIRING, FACEPLATES AND RJ45 CONNECTORS.
 - CONTRACTOR SHALL UTILIZE CONDUIT, TRAY SYSTEM OR J-HOOKS FOR EASE OF ROUTING.
 - CONTRACTOR SHALL VERIFY LOCATIONS OF CASEWORK, CHALK BOARDS AND TACK BOARDS PRIOR TO INSTALLATION.
 - ALL COMPUTER NETWORK OUTLETS SHALL HAVE (2) CAT-6 DROPS AT EACH LOCATION UNLESS OTHERWISE NOTED. (I.E. 4D) WHERE #D INDICATES NUMBER OF CAT-6 DROPS AT THAT LOCATION.
 - ALL LOW VOLTAGE WIRING THAT WILL BE ROUTED ACROSS OPEN CEILINGS SHALL BE IN CONDUIT.

4 DETAIL - TYPICAL NETWORK OUTLET
NOT TO SCALE



3 RECEPTACLE GROUNDING
NOT TO SCALE



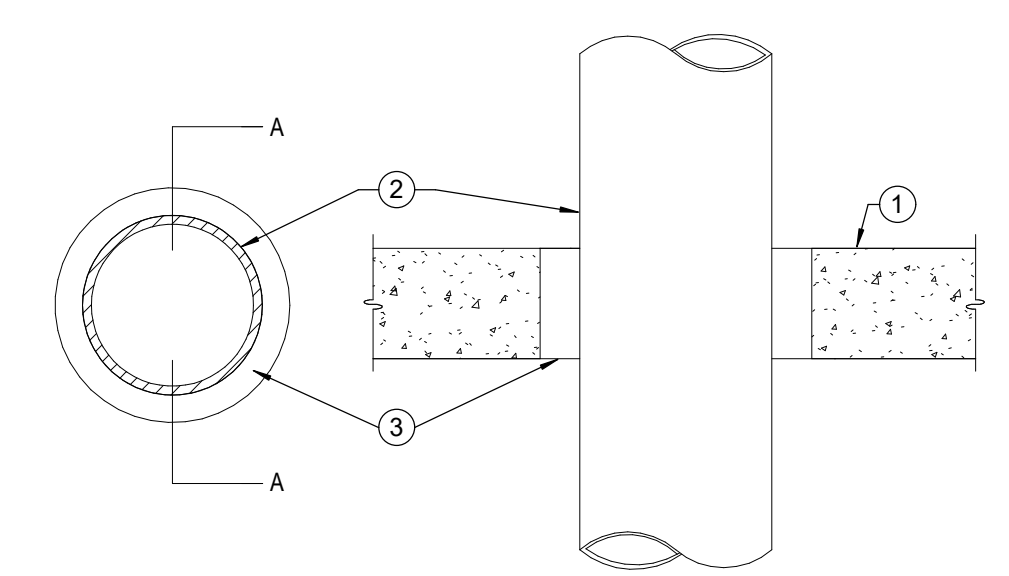
- FIRE ALARM INTERLOCK**
- THE FIRE ALARM CONTRACTOR SHALL PROVIDE A FIRE ALARM RELAY FOR THE SUPPLY FAN(S) AT EACH RTU. THE RELAY SHALL BE WIRED DIRECTLY TO THE FAN VARIABLE FREQUENCY DRIVE FOR RTU SHUTDOWN BY THE BAS CONTRACTOR.
- THE RELAY SHALL ALSO HAVE AN AUXILIARY CONTACT. THE BAS CONTRACTOR SHALL WIRE FROM THE AUXILIARY CONTACT TO THE BAS CONTROLLER TO MONITOR FA SHUTDOWN FOR THAT FAN ON THE BAS FRONT END.
- FOR AHU RELIEF FANS, THE SCOPE SHALL BE THE SAME AS FOR THE SUPPLY FANS. RELIEF FANS DO NOT REQUIRE AN AUXILIARY CONTACT OR BAS MONITORING OF FA SHUTDOWN STATUS.

8 DETAIL - RTU SHUTDOWN
NOT TO SCALE

LOCATION OF CONTACTOR	COIL OF LIGHTING CONTACTORS BY ELECTRICAL CONTRACTOR	WIRING BY DDC/BAS SUBCONTRACTOR	BAS
ELEC 119	LC1	DD	LIGHTS ON/OFF - BUILDING PERIMETER
ELEC 119	LC2	DD	LIGHTS ON/OFF - CORRIDOR 131, VESTIBULE 129, LOBBY 101
ELEC 119	LC3	DD	LIGHTS ON/OFF - ALTERNATE #3 - EXTERIOR CANOPY/SOFFIT
ELEC 119	LC4	DD	LIGHTS ON/OFF - CORRIDORS 223, 248, 249
ELEC 119	LC5	DD	LIGHTS ON/OFF - ALTERNATE #5 - WEST SIDE CANOPY/SOFFIT

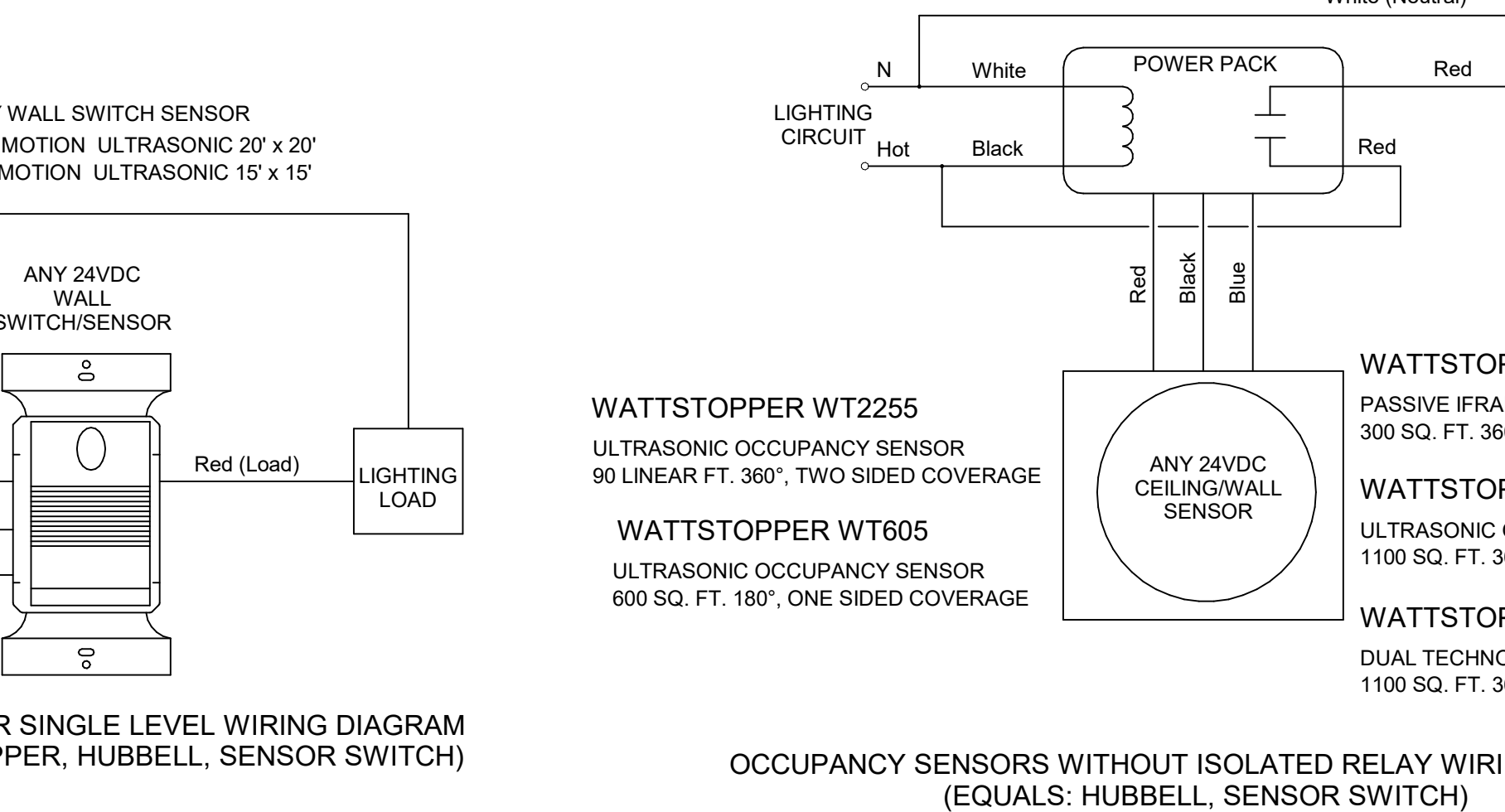
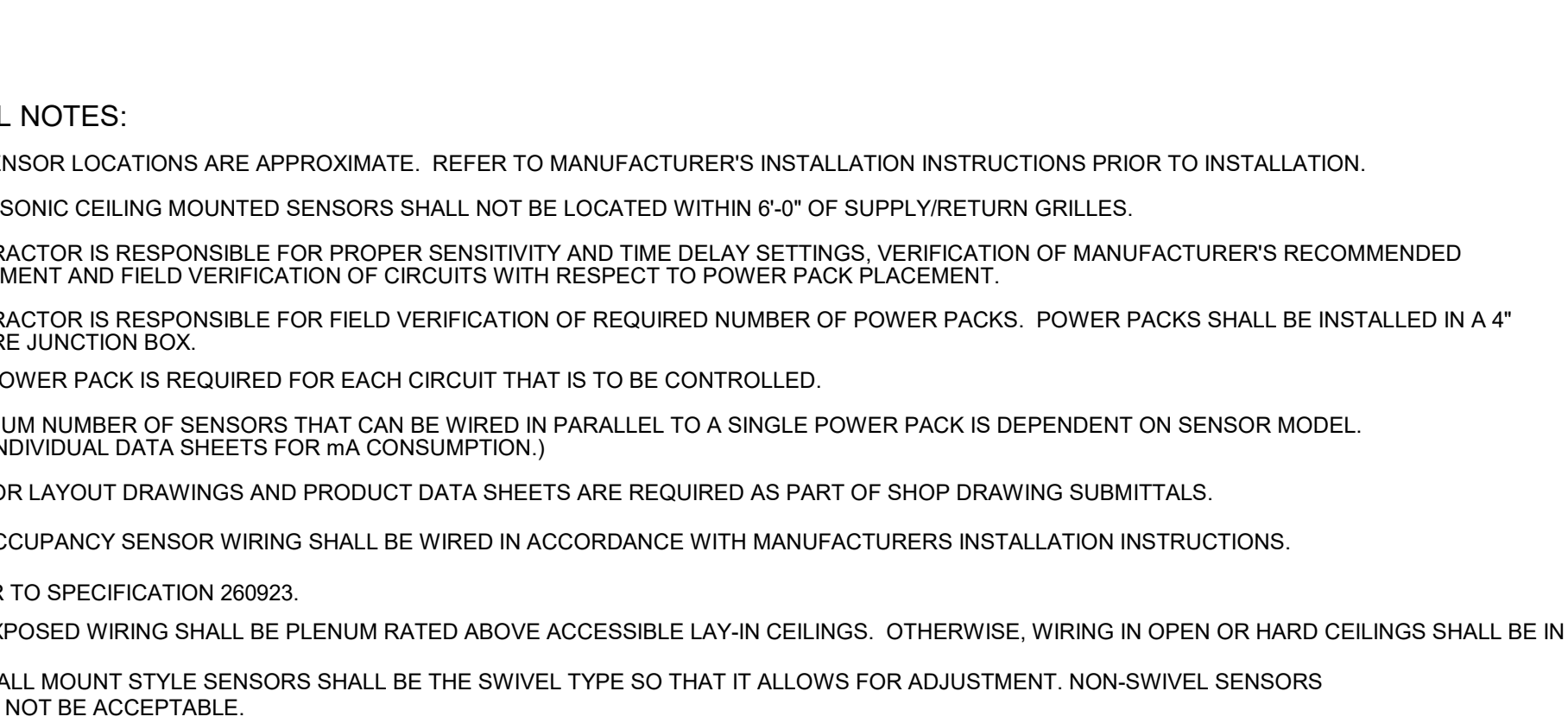
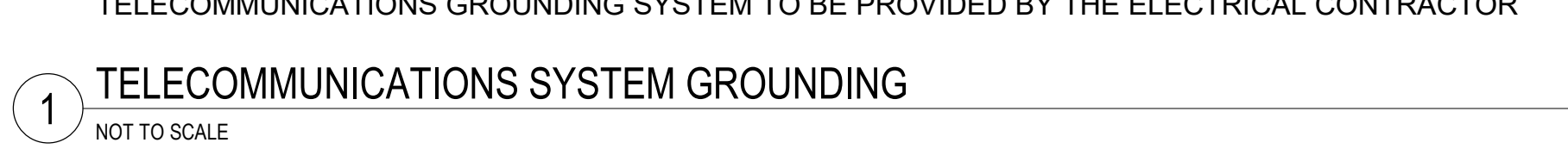
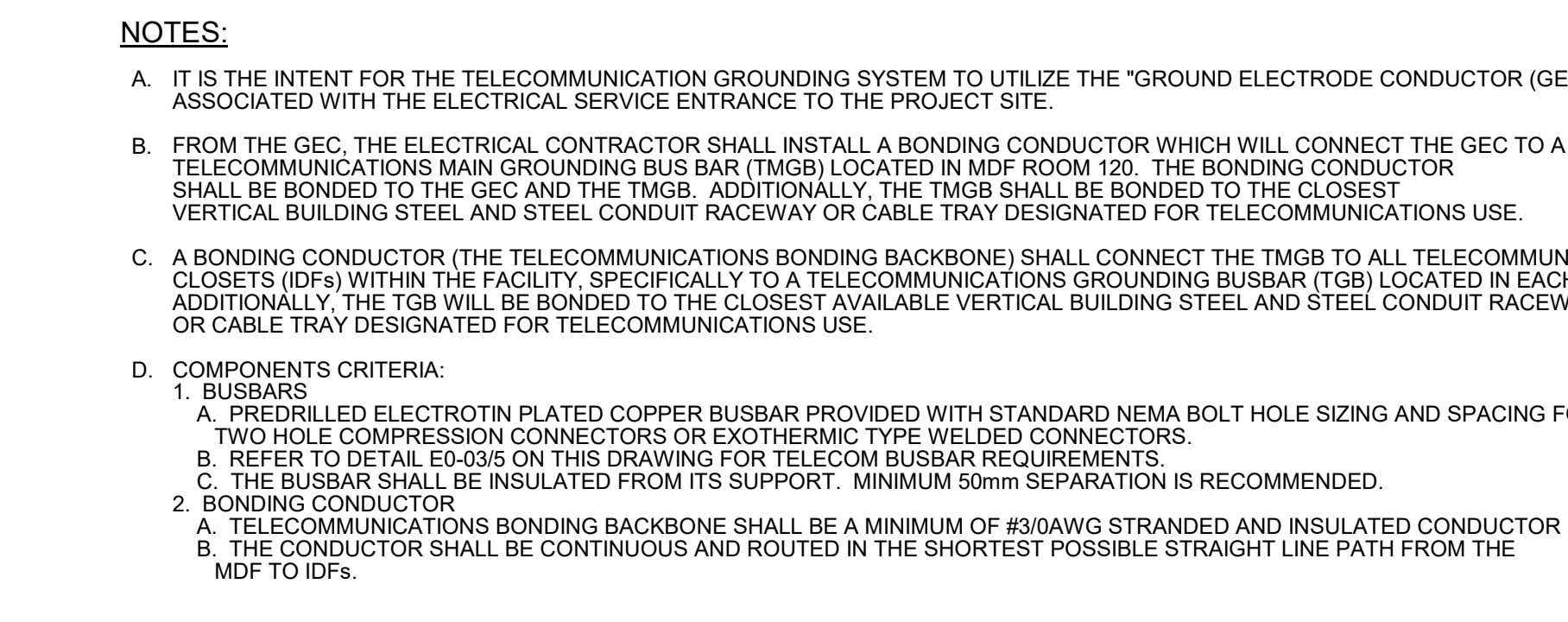
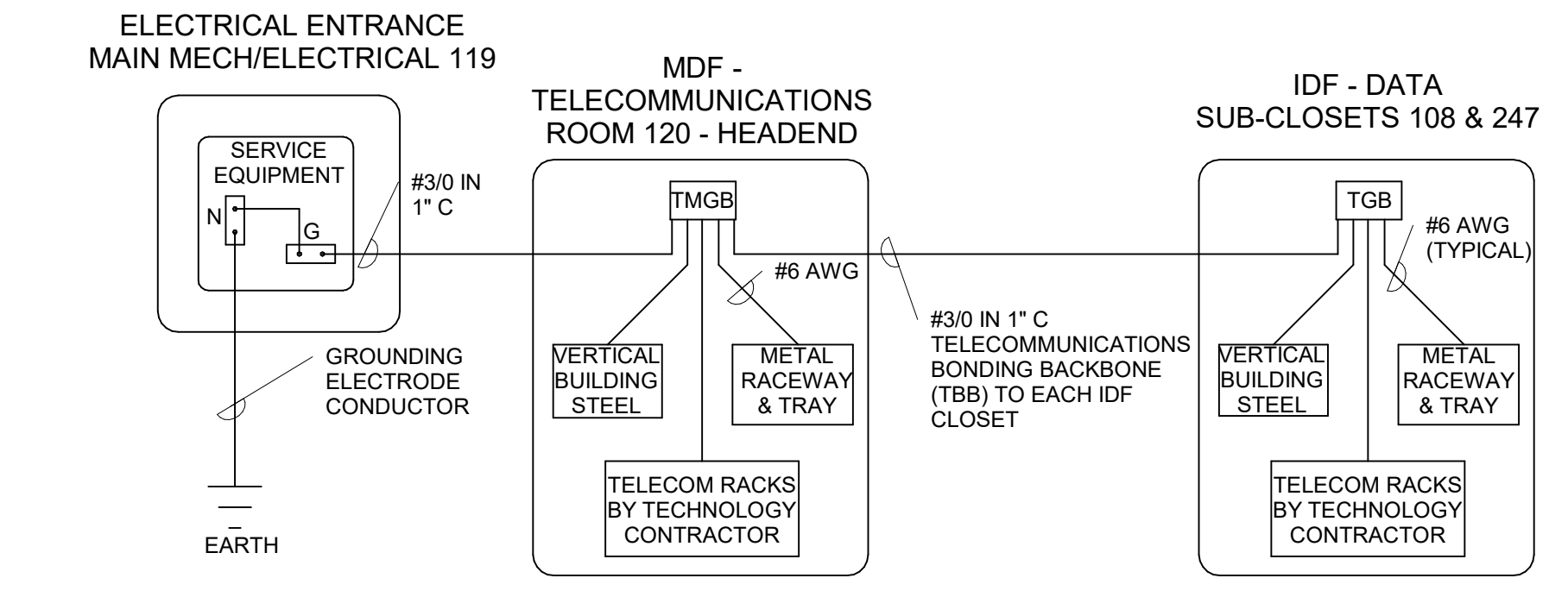
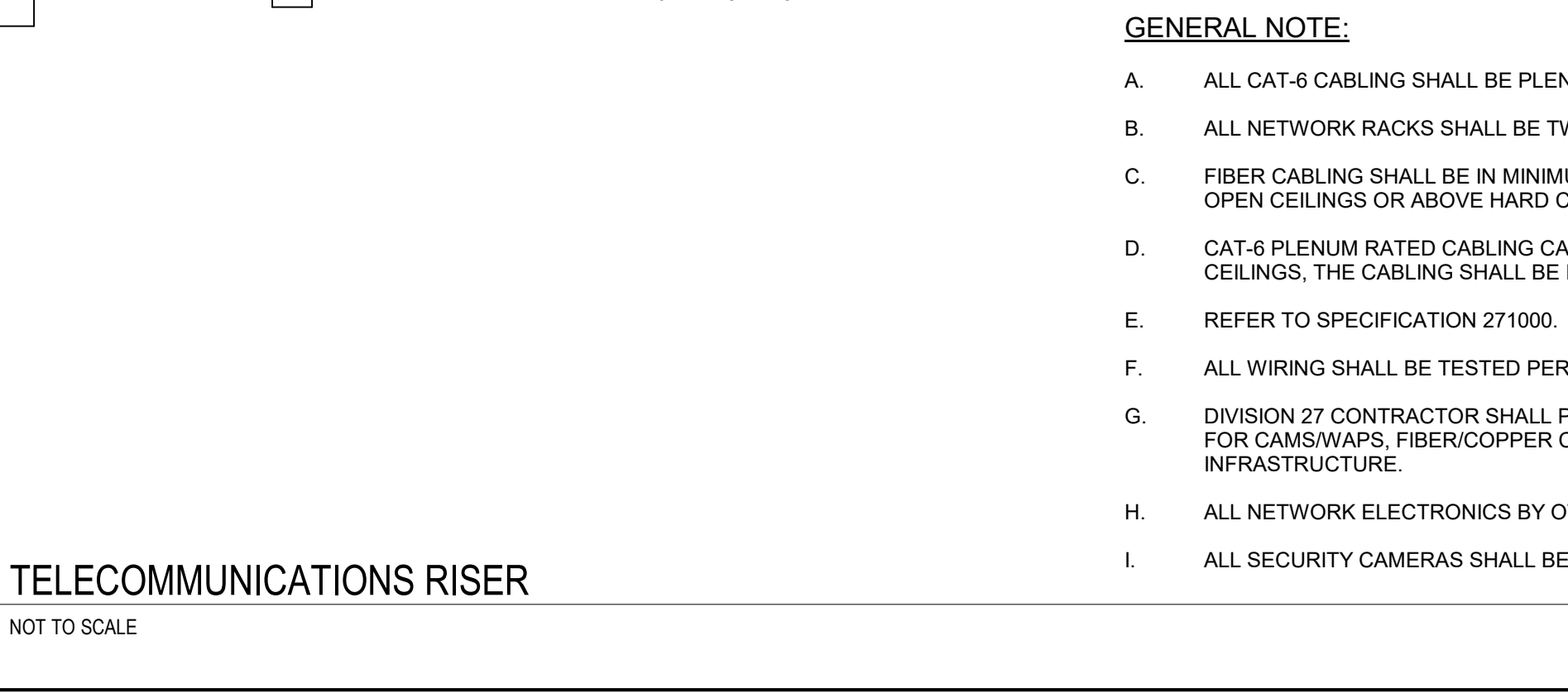
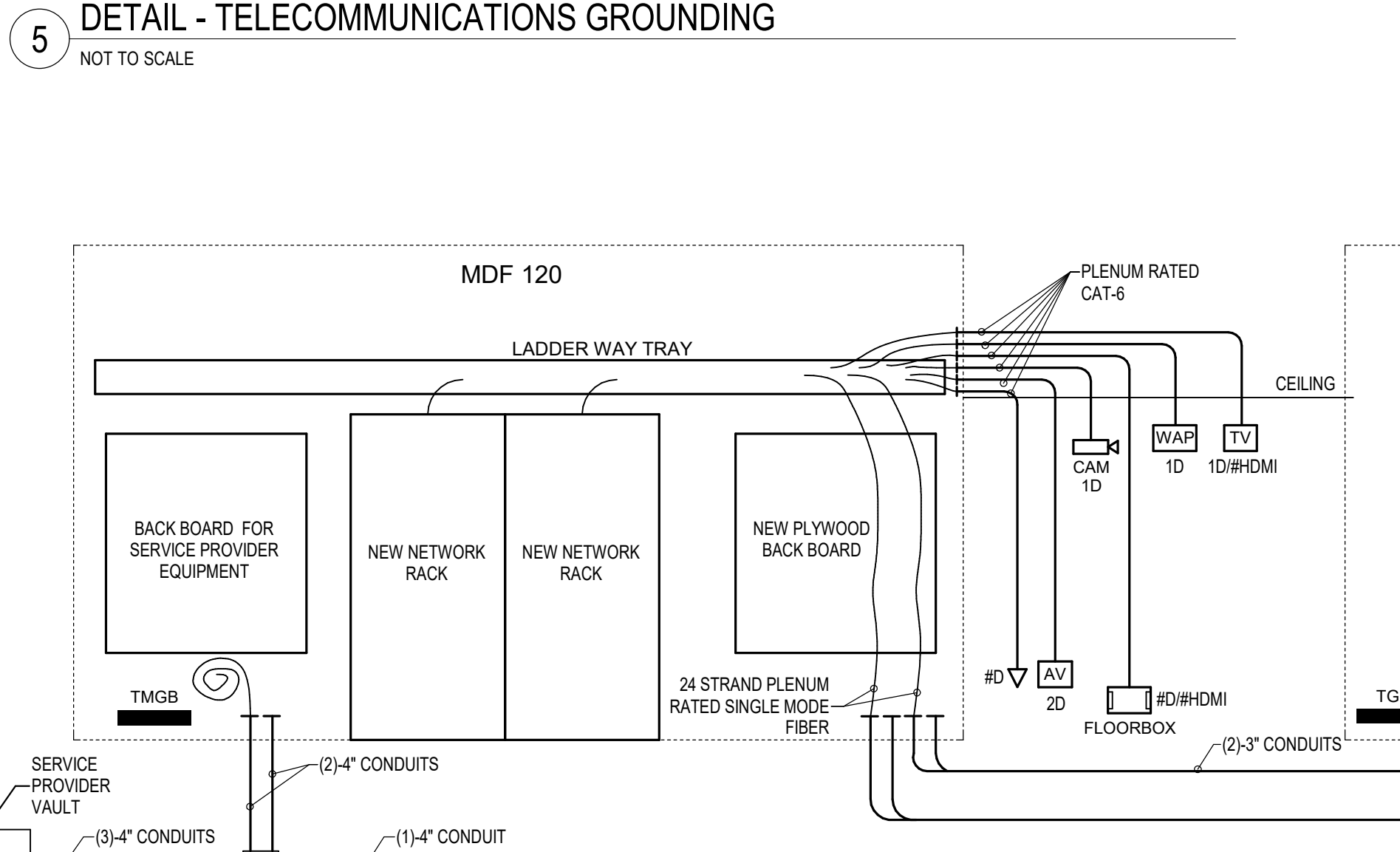
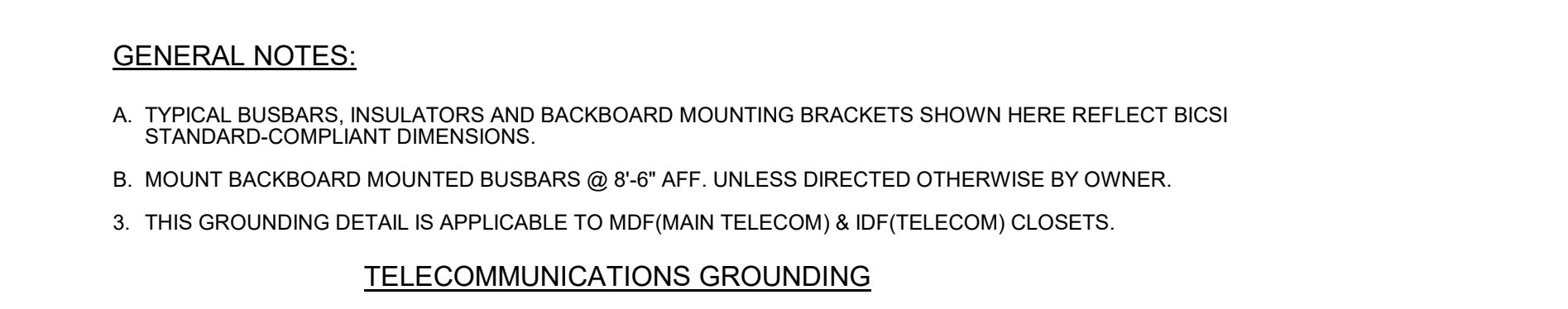
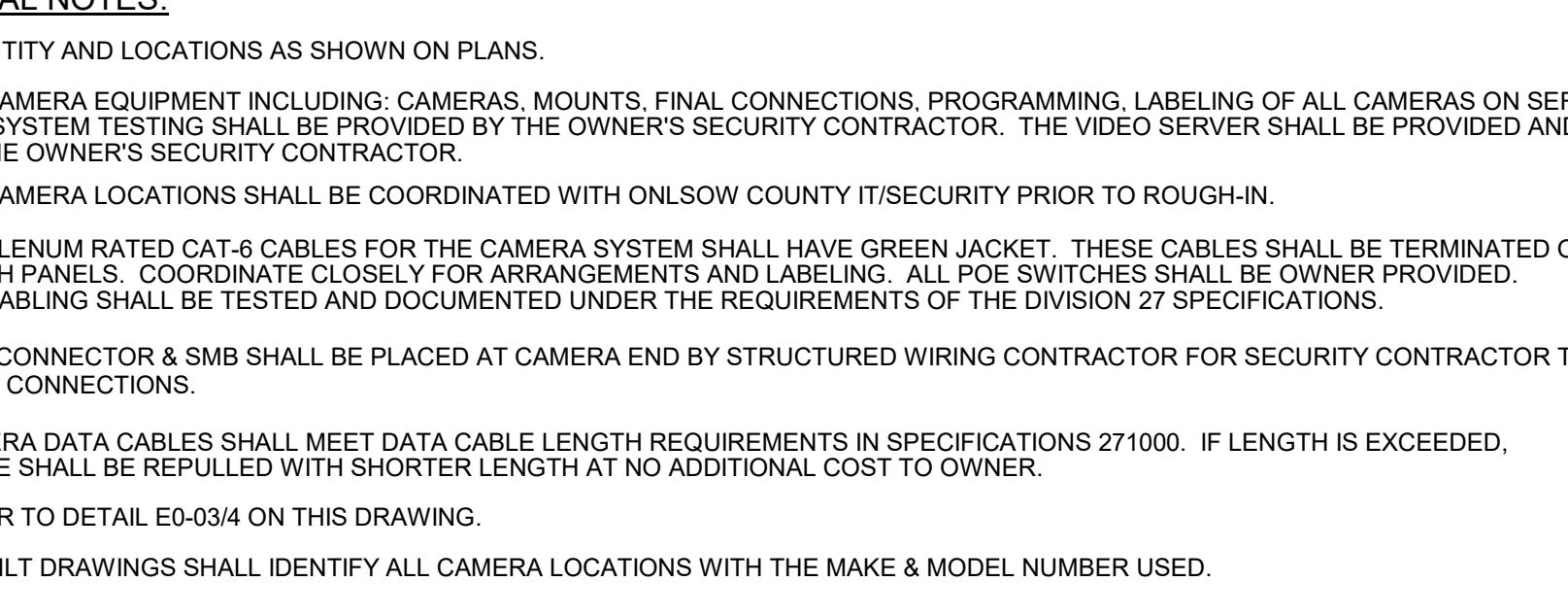
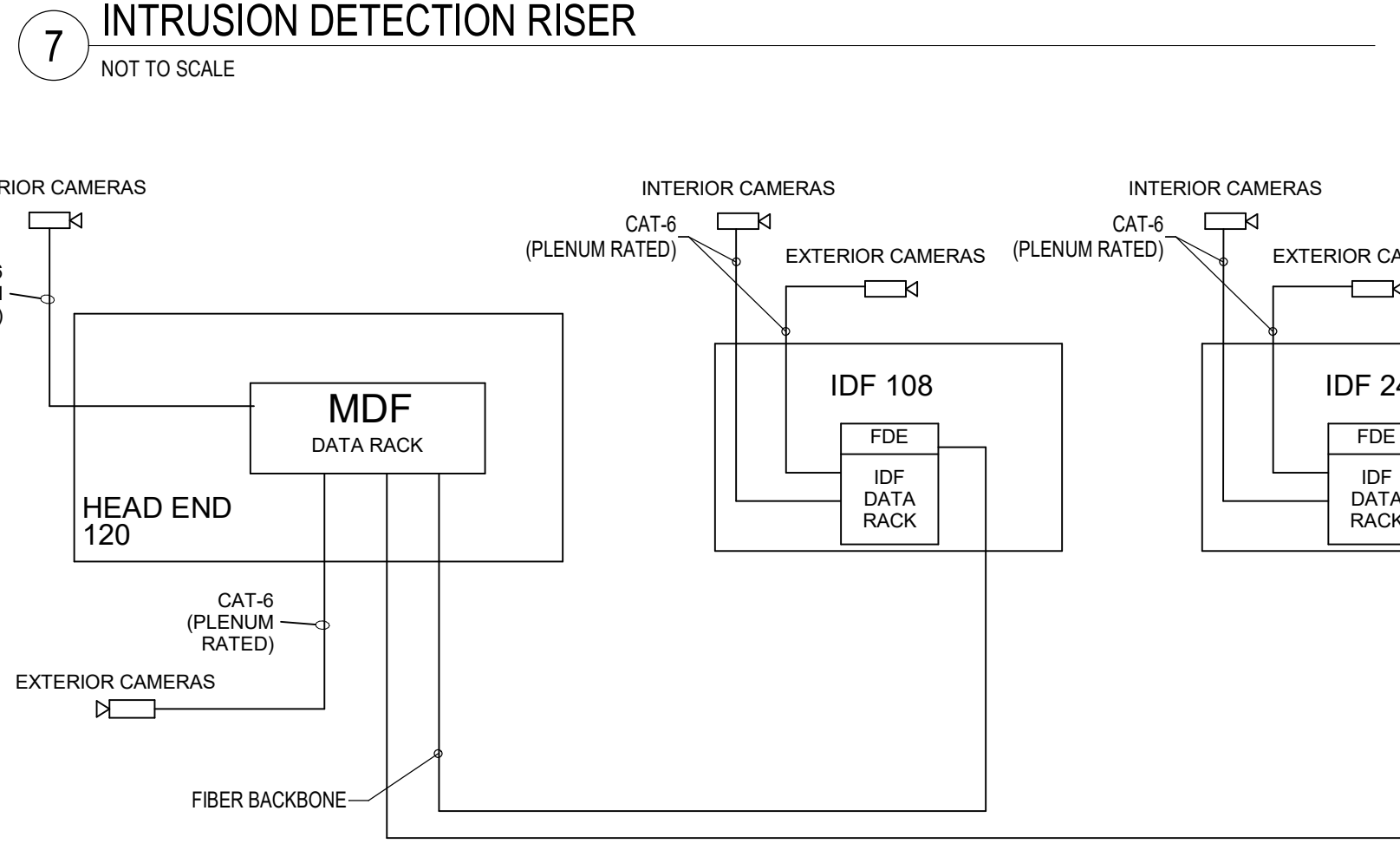
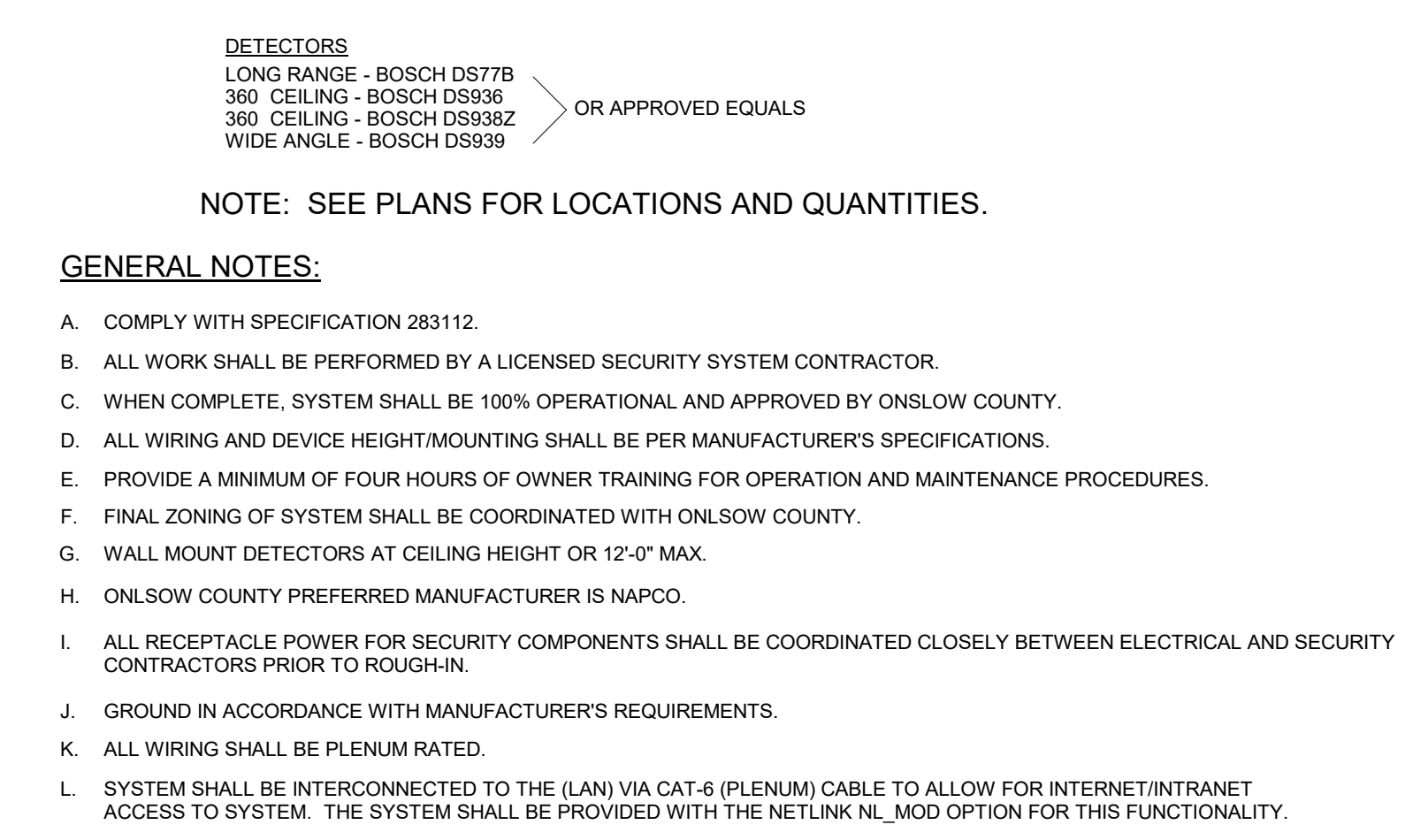
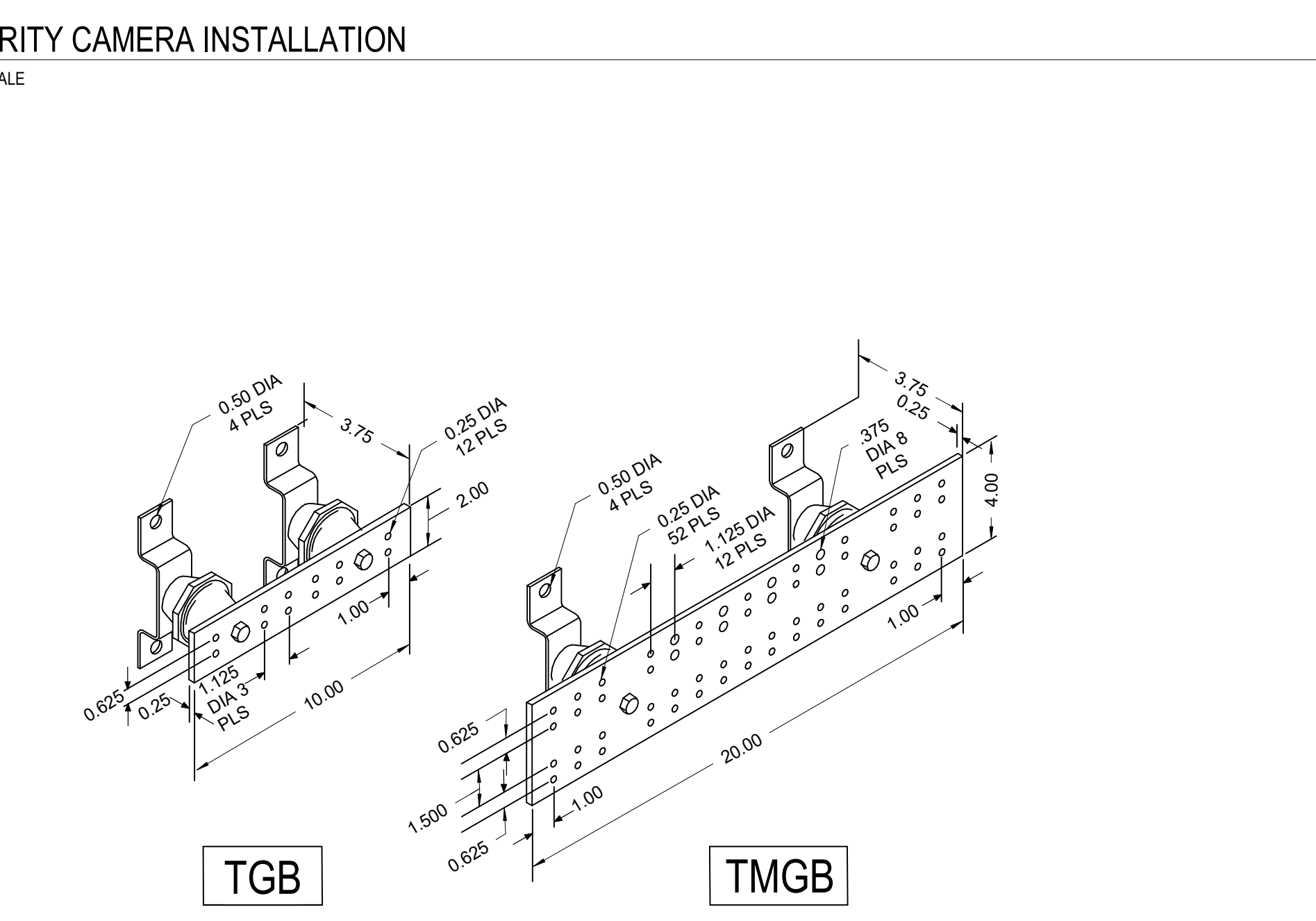
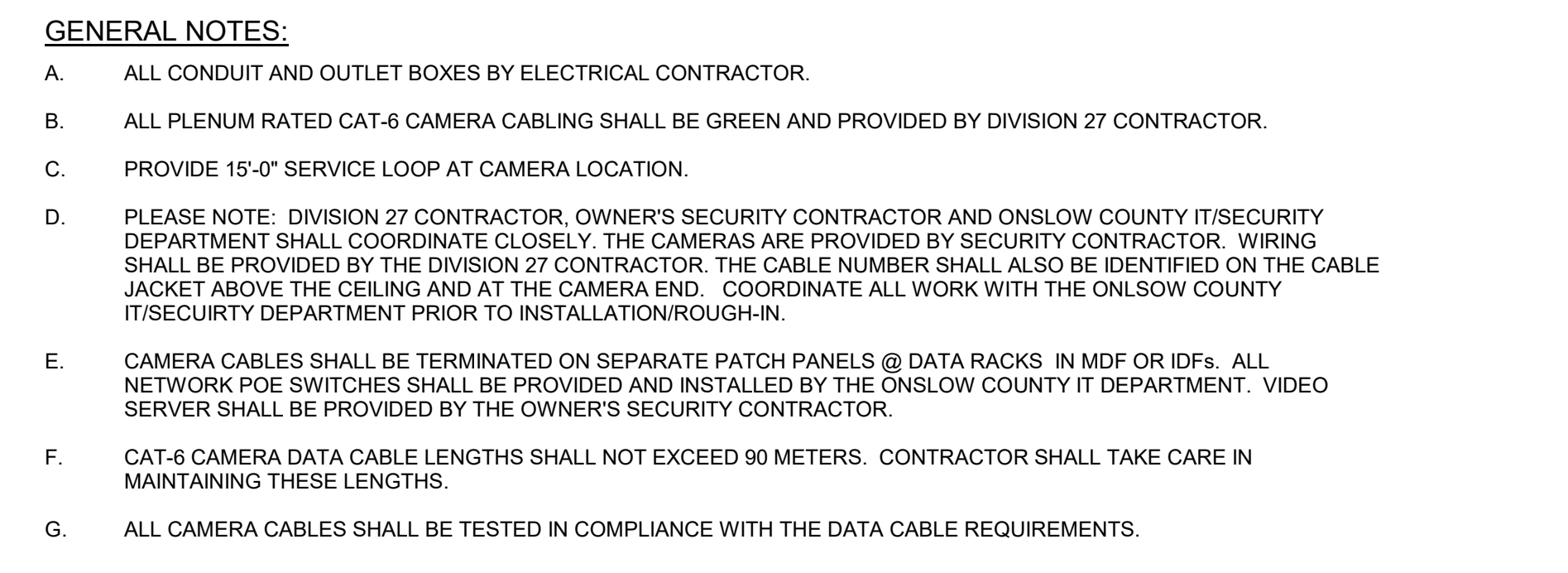
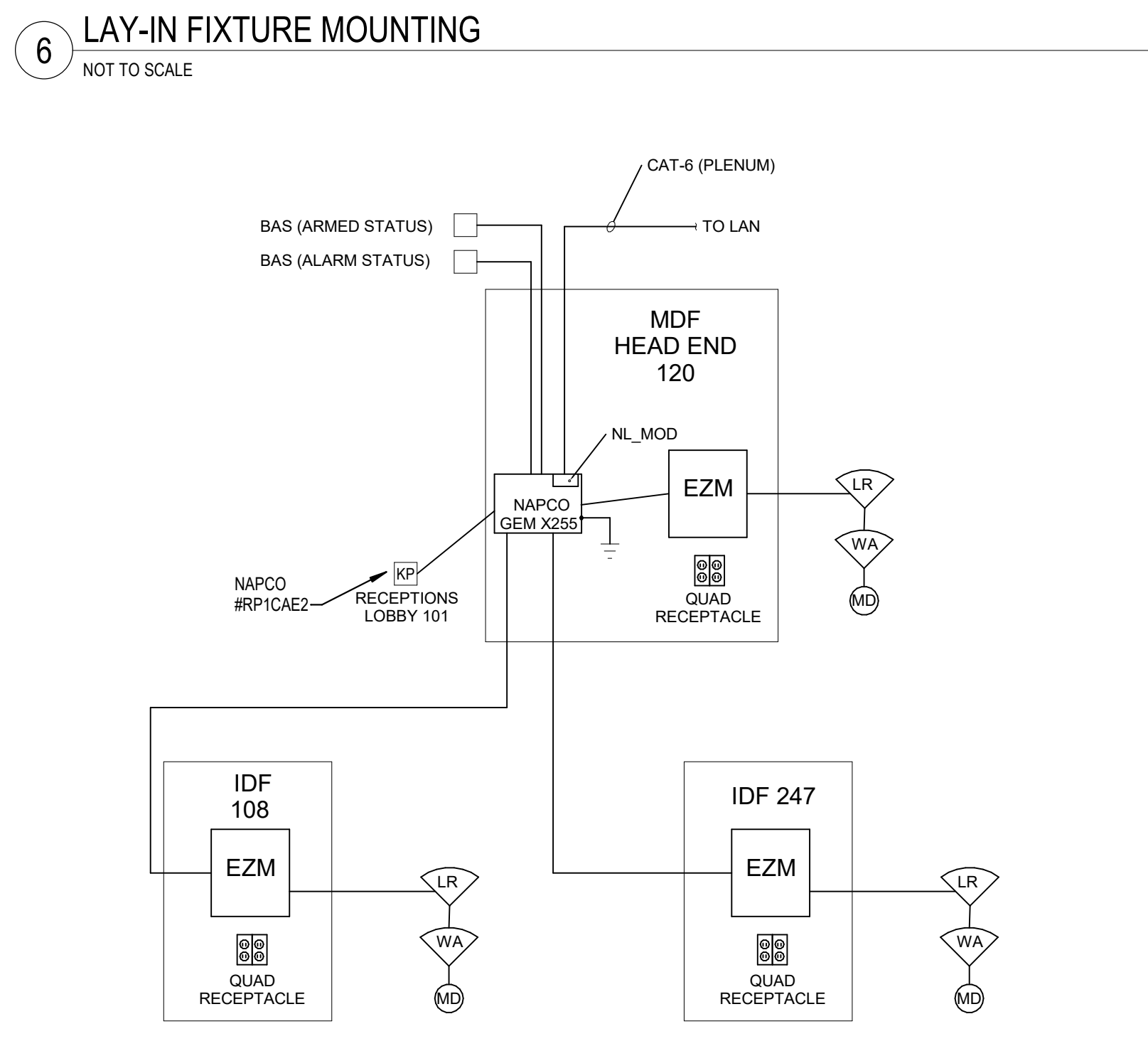
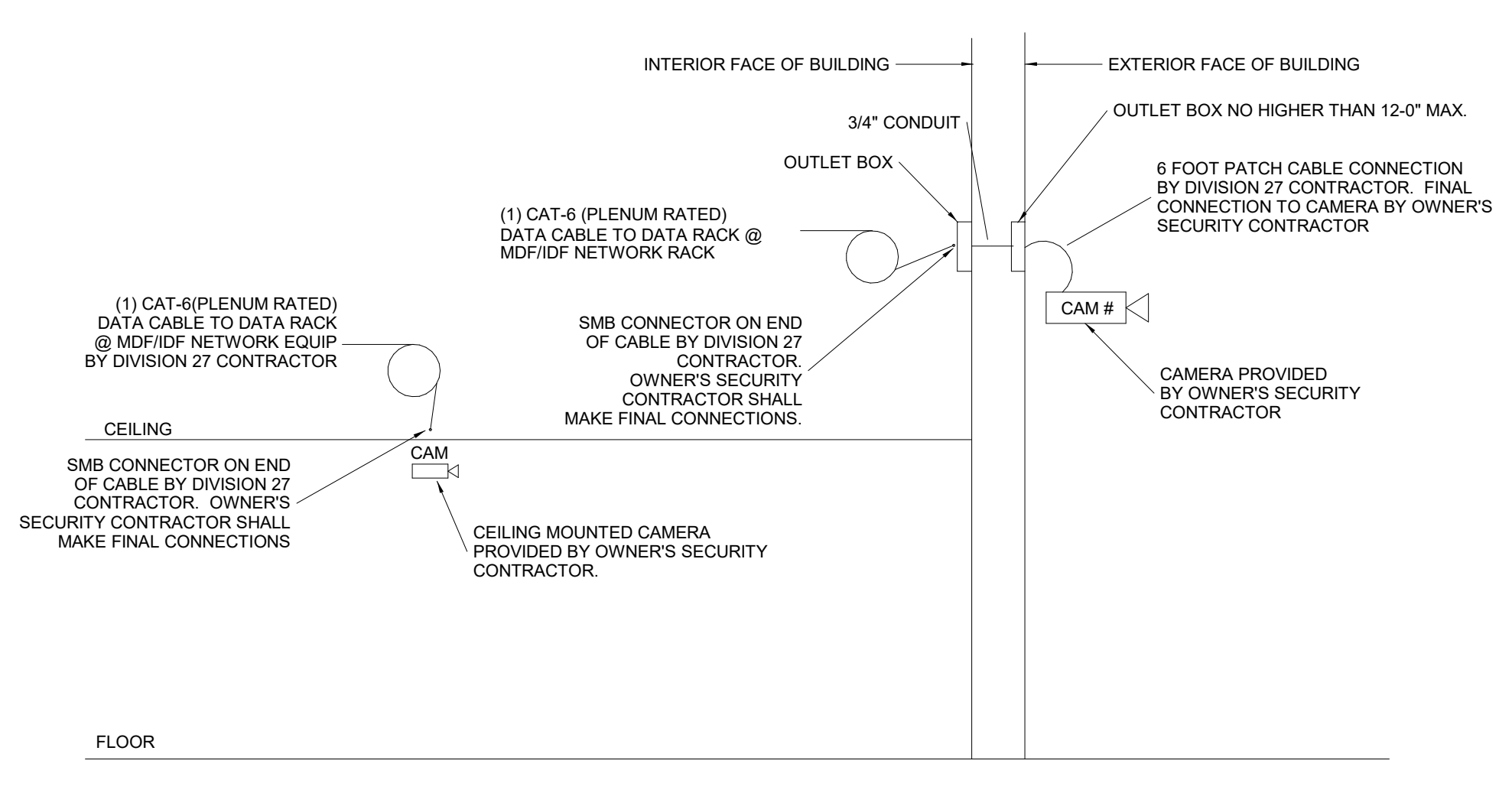
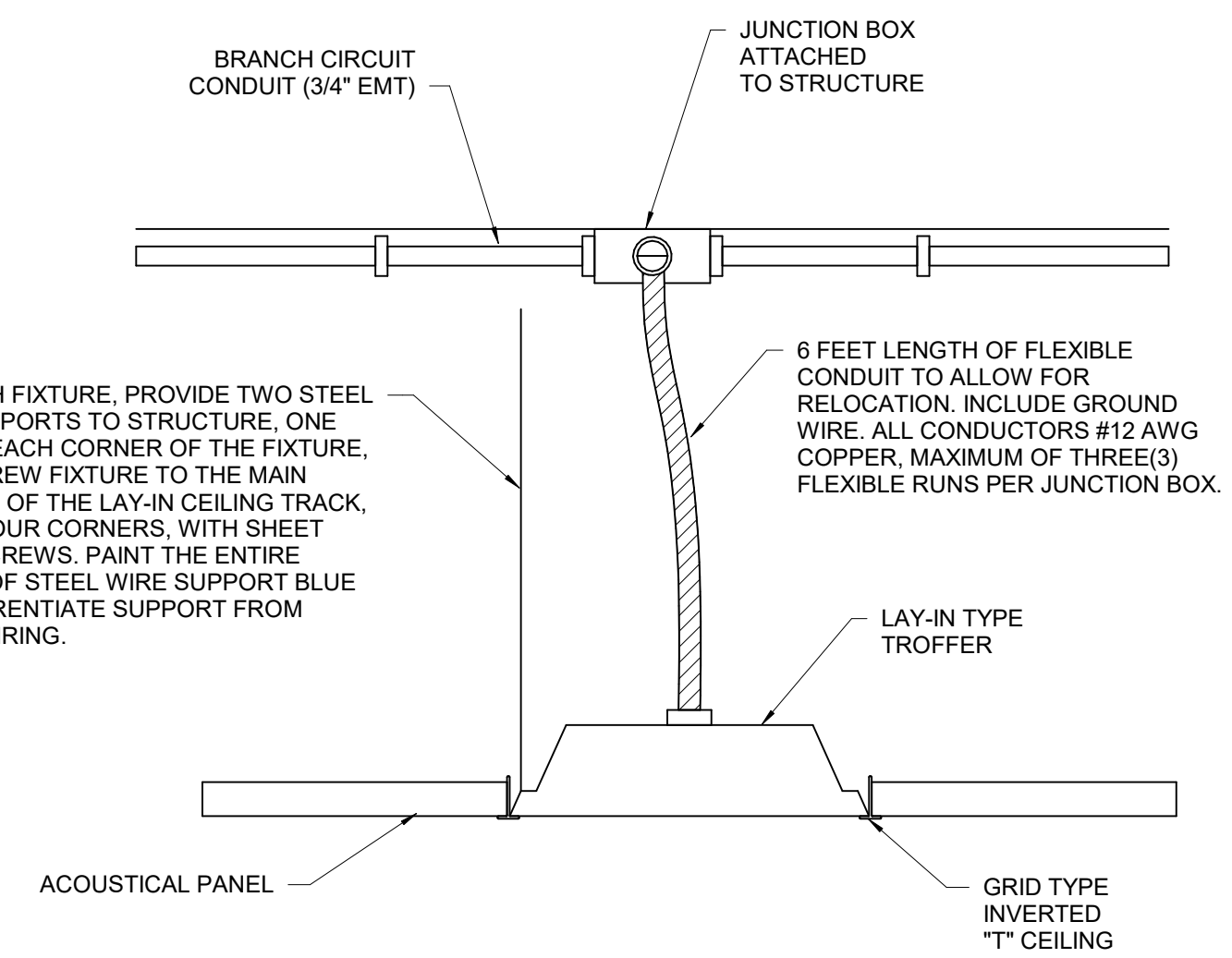
- GENERAL NOTES:**
- INTERIOR LIGHTING CONTROL @ CORRIDORS. TO TURN INTERIOR LIGHTS "OFF", DDC CONTROL WILL PROVIDE POWER TO CONTACTOR RELAY(NC). THE CONTACTS WILL OPEN AND CONTACTOR COIL WILL DROP OUT. INTERIOR LIGHTS WILL TURN OFF. IMPORTANT: CORRIDOR BATTERY BACKUP EMERGENCY LIGHTS SHALL TURN ON/OFF WITH OTHER LIGHTS IN CORRIDOR. BUT UPON LOSS OF NORMAL POWER, THOSE EMERGENCY BATTERY BACKUP LIGHTS SHALL ILLUMINATE.
 - INTERIOR LIGHTING CONTROL @ CORRIDORS. TO TURN INTERIOR LIGHTS "ON", DDC CONTROL WILL REMOVE POWER TO CONTACTOR RELAY(NC). THE CONTACTS WILL CLOSE AND CONTACTOR COIL WILL PULL IN. INTERIOR LIGHTS WILL TURN ON. IMPORTANT: CORRIDOR BATTERY BACKUP EMERGENCY LIGHTS SHALL TURN ON/OFF WITH OTHER LIGHTS IN CORRIDOR. BUT UPON LOSS OF NORMAL POWER, THOSE EMERGENCY BATTERY BACKUP LIGHTS SHALL ILLUMINATE.
 - REFER TO SPECIFICATION 260923 FOR "On" OVERRIDE SWITCHES. SWITCHES PROVIDED BY HVAC CONTRACTOR. ALSO REFER TO MECHANICAL CONTROLS LIGHTING SEQUENCE OF OPERATION.

7 BAS/DDC MONITORING
NOT TO SCALE



- KEYED NOTES:**
- NON-RATED FLOOR OR WALL.
 - THROUGH PENETRANTS - ONE PIPE OR CONDUIT.
 - FILL VOID OR CAVITY MATERIAL: SILICON CAULK.

6 NON-RATED WALL PIPE PENETRATION
NOT TO SCALE



GENERAL FIRE ALARM RISER NOTES:

- A. NEW FIRE ALARM SYSTEM SHALL BE BY EDWARDS SYSTEMS TECHNOLOGY (EST) OR EQUAL. REFER TO ARCHITECT'S ALTERNATE SECTION. PROVIDE ALL PARTS AND PIECES REQUIRED FOR INTERCONNECTION AND ALARM, TROUBLE AND SUPERVISORY SIGNALS.
 - B. SEE PLANS FOR LOCATIONS AND QUANTITIES OF ALL DEVICES.
 - C. ALL WIRING SHALL BE IN MINIMUM 3/4" CONDUIT.
 - D. BATTERY CALCULATIONS ARE REQUIRED WITH ALL SUBMITTALS.
 - E. TEST RESULTS ARE REQUIRED FOR ALL DEVICES.
 - F. PROVIDE SHUT-DOWN DEVICES FOR NEW ROOF TOP HVAC UNITS.
 - G. VERIFY ROOM NUMBERS WITH ARCHITECT PRIOR TO PROGRAMMING SYSTEM.
 - H. ALL NAC PANELS SHALL HAVE A SMOKE DETECTOR MOUNTED WITHIN 15'-0" OF PANEL.
 - I. A SMOKE DETECTOR SHALL BE MOUNTED WITHIN 15'-0" OF FACP.
 - J. IF ANY ARCHITECTURAL CHANGES ARE MADE THAT SHALL AFFECT ANY DEVICE PLACEMENT, THIS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO INSTALLATION.
 - K. THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE SHALL BE NICET LEVEL 3 CERTIFIED AND HAVE AT LEAST 2 YEARS OF EXPERIENCE INSTALLING FIRE ALARM SYSTEMS.
 - L. THE PROJECT MANAGER SHALL BE NICET LEVEL 4 CERTIFIED AND HAVE AT LEAST 5 YEARS OF EXPERIENCE INSTALLING FIRE ALARM SYSTEMS.
 - M. THE SHOP DRAWINGS SUBMITTALS FOR DEVICE LOCATIONS SHALL BE SUBMITTED TO ENGINEER AND LOCAL (AHJ) FIRE MARSHAL PRIOR TO ANY INSTALLATION/ROUGH-IN FOR FIRE ALARM DEVICES.
 - N. WIRING DIAGRAMS, LOCATION DRAWINGS, DEVICE CUT SHEETS AND VOLTAGE DROP CALCULATIONS ARE REQUIRED WITH ALL SUBMITTALS.
 - O. THE FIRE ALARM SYSTEM PROVIDER SHALL PROVIDE ALL DOCUMENTATION AS SPECIFIED IN THE INTERNATIONAL FIRE CODE SECTION 907 REQUIREMENTS AS PART OF HIS SHOP DRAWING SUBMITTALS.
- THIS INCLUDES:
1. LOCATION DRAWINGS OF ALARM INITIATING AND NOTIFICATION DEVICES.
 2. WIRING DIAGRAMS WITH CONDUCTOR TYPE AND SIZES.
 3. LOCATIONS OF ALARM CONTROL AND TROUBLE SIGNALING EQUIPMENT.
 4. POWER CONNECTION DETAILS AND WIRING SCHEMATICS.
 5. BATTERY CALCULATIONS.
 6. VOLTAGE DROP CALCULATIONS.
 7. MANUFACTURER'S MODEL NUMBERS, LISTING INFORMATION FOR EQUIPMENT, DEVICES AND MATERIALS.
 8. THE INTERFACE OF FIRE SAFETY CONTROL FUNCTIONS.
- P. REFER TO DIVISION 28 SPECIFICATIONS.
 - Q. FIRE ALARM SIGNAL LINE CIRCUITS SHALL BE WIRED CLASS "A" AND NOTIFICATION CIRCUITS SHALL BE WIRED CLASS "B" WITH THE END OF LINE RESISTOR CLEARLY AND PERMANENTLY MARKED ON THE LAST DEVICE.
 - R. PROVIDE SPARE PARTS AS DEFINED IN SPECIFICATIONS.
 - S. ALL FIRE ALARM SYSTEM WORK SHALL BE APPROVED BY THE LOCAL FIRE MARSHAL PRIOR TO COMMENCING ANY FIRE ALARM WORK.
 - T. ALL RACP'S AND RAAP'S SHALL BE SEMI RECESSED WITH CONTROL FUNCTIONALITY.
 - U. FIRE ALARM SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH NFPA 72, 2013.
 - V. COORDINATE WITH THE FIRE PROTECTION CONTRACTOR FOR VOLTAGE, RELAY, ETC. FOR CONNECTIONS OF SPRINKLER BELL. ALL WIRING, CONDUIT, RELAY, AND INTERCONNECTIONS SHALL BE BY THE ELECTRICAL & FIRE ALARM CONTRACTORS.
 - W. ELECTRICAL CONTRACTOR SHALL COORDINATE CLOSELY WITH FIRE ALARM SUB-CONTRACTOR FOR ALL 120V AC POWER REQUIRED FOR THIS SYSTEM. IF ANY ADDITIONAL CIRCUITS ARE REQUIRED THAT ARE NOT IDENTIFIED ON PLANS THE ELECTRICAL CONTRACTOR SHALL PROVIDE THAT CIRCUIT FROM THE NEAREST 120V PANEL. AS-BUILTS SHALL BE UPDATED TO REFLECT THE INSTALLED CONDITION. THIS SHALL BE DONE AT NO ADDITIONAL COST TO THE PROJECT.
 - X. "CO" DETECTOR SHALL BE PROVIDED SOUNDER BASES "TEMPORAL 4" FOR DISTINCT SOUND IN AREA OF ALARM. COORDINATE WITH OWNER TO ESTABLISH WRITTEN EMERGENCY RESPONSE PLAN IN THE EVENT OF CARBON MONOXIDE ALARM.
 - Y. LOCAL CARBON MONOXIDE ALARM CANNOT BE SILENCED. RE-VERIFY WITH FIRE MARSHALS.
 - Z. ELECTRICAL CONTRACTOR'S FIRE ALARM SUB-CONTRACTOR SHALL COORDINATE CLOSELY WITH THE HVAC CONTROLS CONTRACTOR.

GENERAL NOTES:

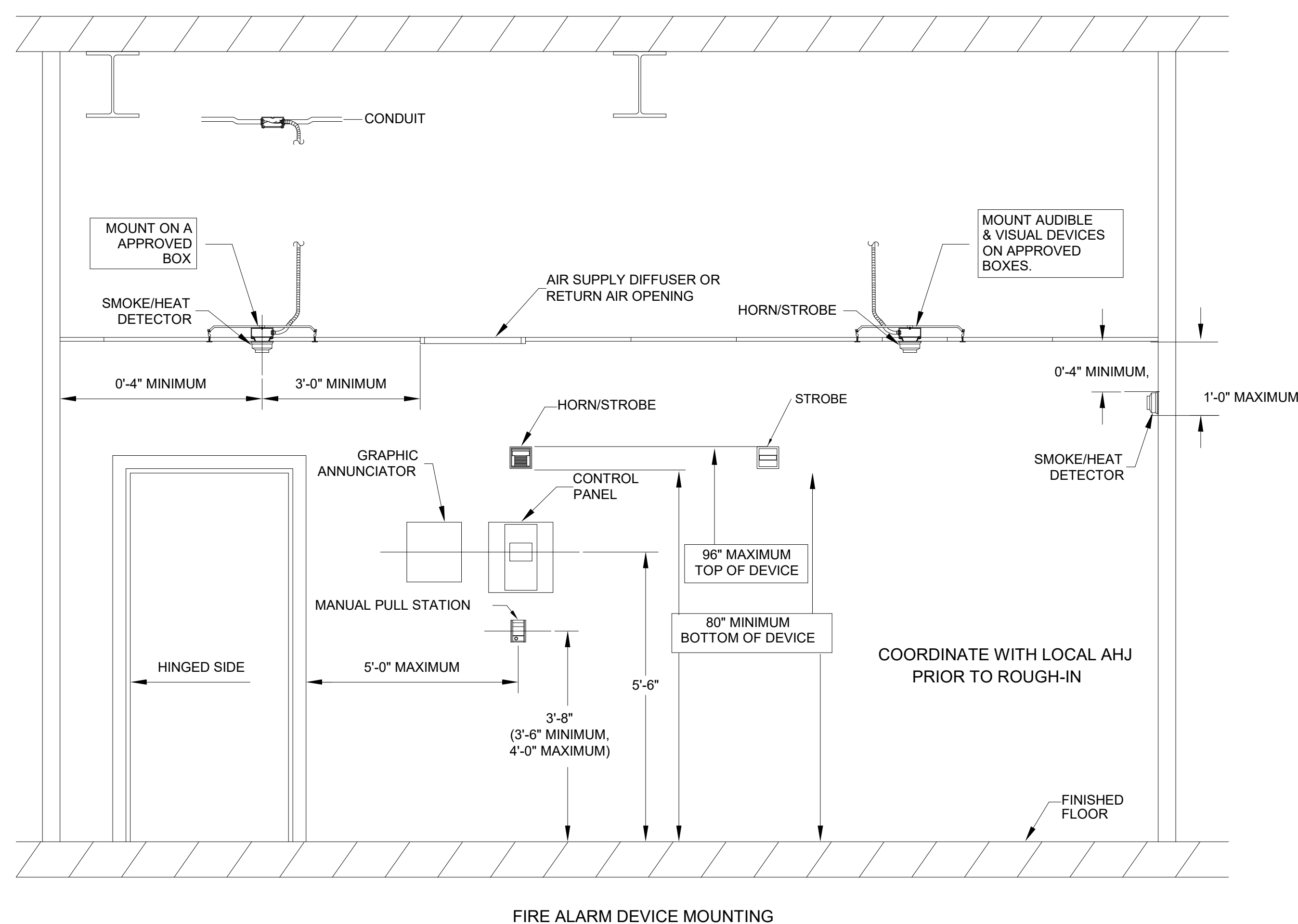
- A. VERIFY OPERATION WITH LOCAL AHJ PRIOR TO PROGRAMMING.

SYSTEM INPUTS

	A	B	C	D	E	F	G	H	I	J	K	L	M	O	P	Q	R	S	T	U	V	W	X	
1 MANUAL PULL STATIONS	o	o																						
2 SMOKE DETECTORS	o	o																						
3 HEAT DETECTORS	o	o																						
4 DUCT DETECTORS	o	o																						
5 AHU OVERRIDE SWITCH			o	o																				
6 FIRE ALARM SYSTEM AC POWER FAILURE					o	o				o	o													
7 FIRE ALARM SYSTEM LOW BATTERY					o	o				o	o													
8 NAC PANELS LOW BATTERY					o	o				o	o													
9 OPEN CIRCUIT					o	o				o	o													
10 GROUND FAULT					o	o				o	o													
11 NOTIFICATION APPLIANCE SHORT CIRCUIT					o	o				o	o													
12 CARBON MONOXIDE DETECTOR													o	o										
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21																								
22																								

2 FIRE ALARM MATRIX
NOT TO SCALE

NFPA 72 AND ADA DEVICE INSTALLATION REQUIREMENTS

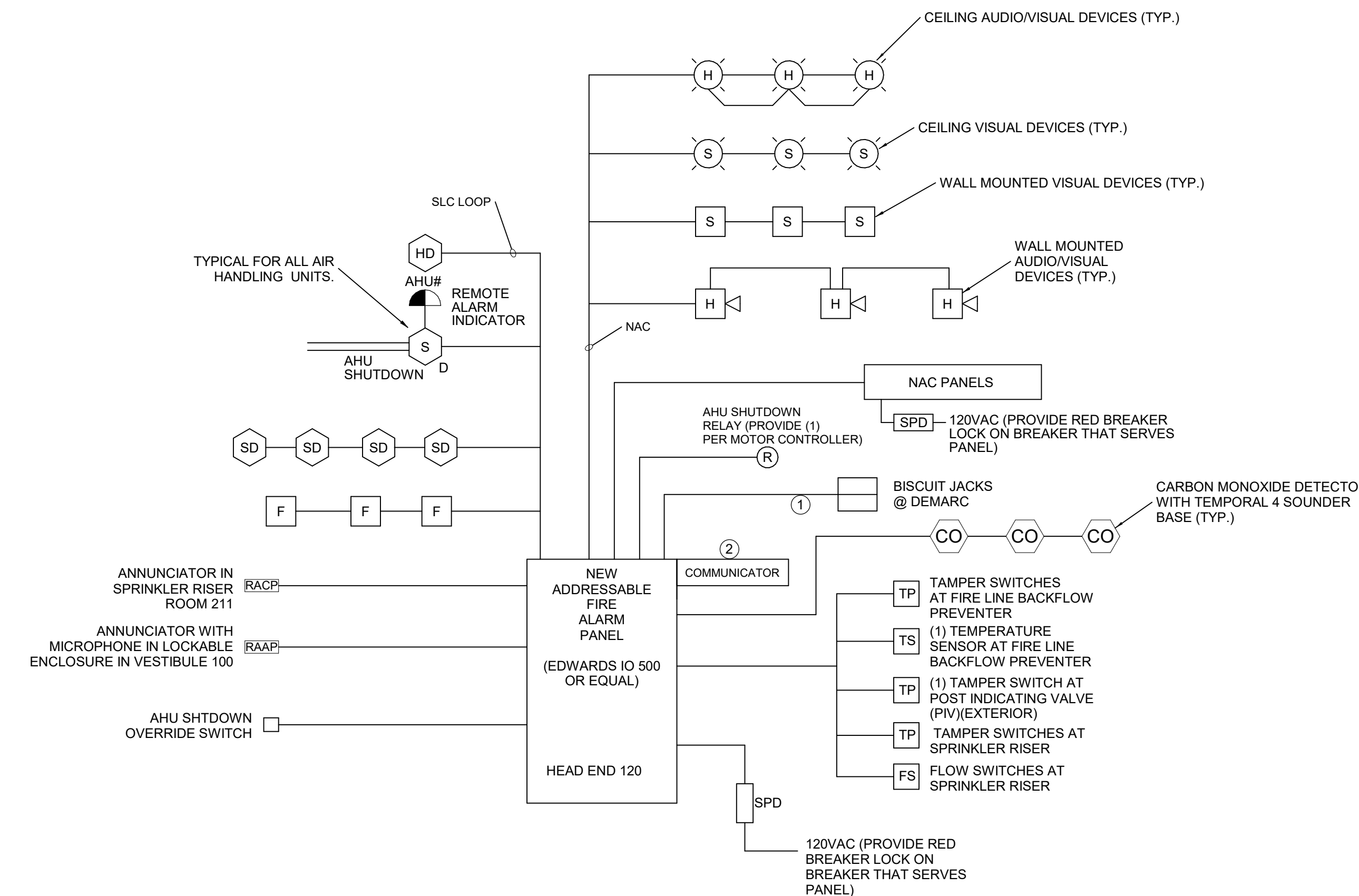


3 FIRE ALARM DEVICE MOUNTING
NOT TO SCALE

FIRE ALARM SIGNAL LINE CIRCUITS SHALL BE WIRED CLASS "A" AND NOTIFICATION CIRCUITS SHALL BE WIRED CLASS "B" WITH THE END OF LINE RESISTOR CLEARLY AND PERMANENTLY MARKED ON THE LAST DEVICE.

FIRE ALARM RISER KEYNOTES:

1. (2) DEDICATED PLENUM RATED CAT-6 PHONE LINES AND/OR AS PER NFPA 72 2013 COMMUNICATION REQUIREMENTS. COORDINATE WITH LOCAL AHJ AND OWNER.
2. PROVIDE COMMUNICATOR AND ASSOCIATED CAT-6 DATA CABLES. THE COMMUNICATOR SHALL BE CAPABLE OF POTS CONNECTIONS AND WIRELESS/VOLP CONNECTIONS. OWNER'S PREFERENCE IS WIRELESS, BUT CONTRACTOR SHALL COORDINATE WITH OWNER AND AHJ PRIOR TO MAKING FINAL CONNECTIVITY SELECTION.



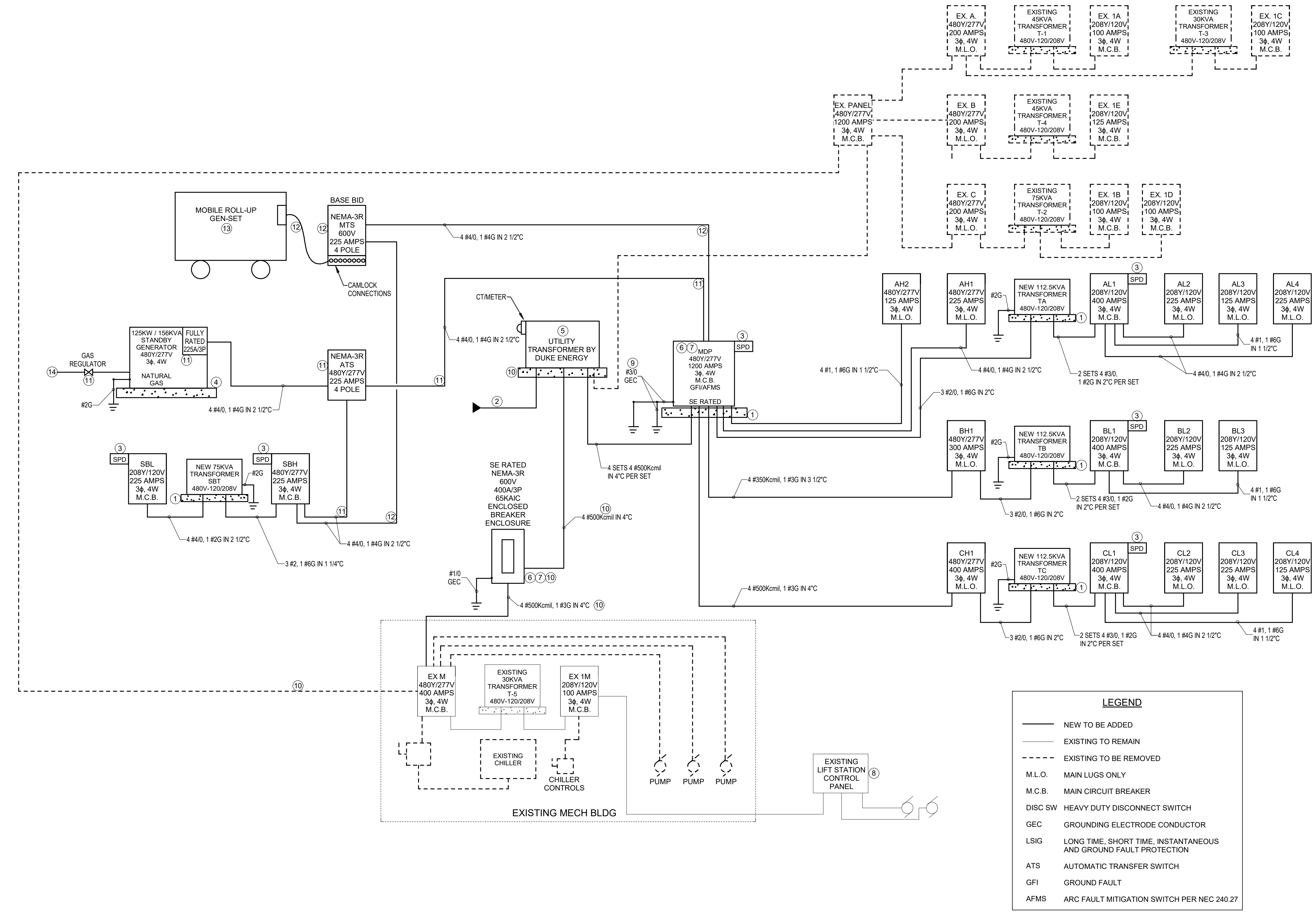
1 FIRE ALARM RISER
NOT TO SCALE

Onslow County Senior Service Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION

DRAWN BY: JPT
CHECKED BY: JTB
DETAILS

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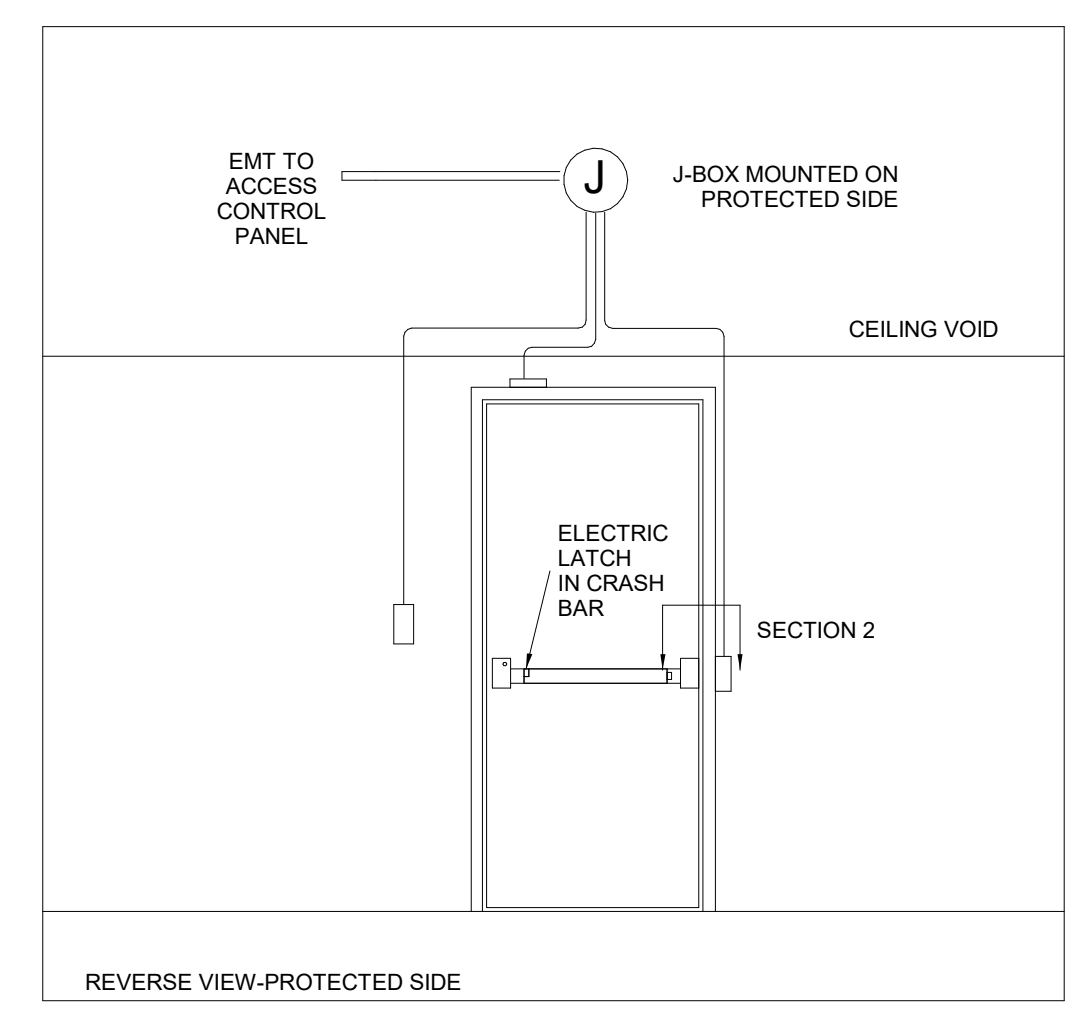
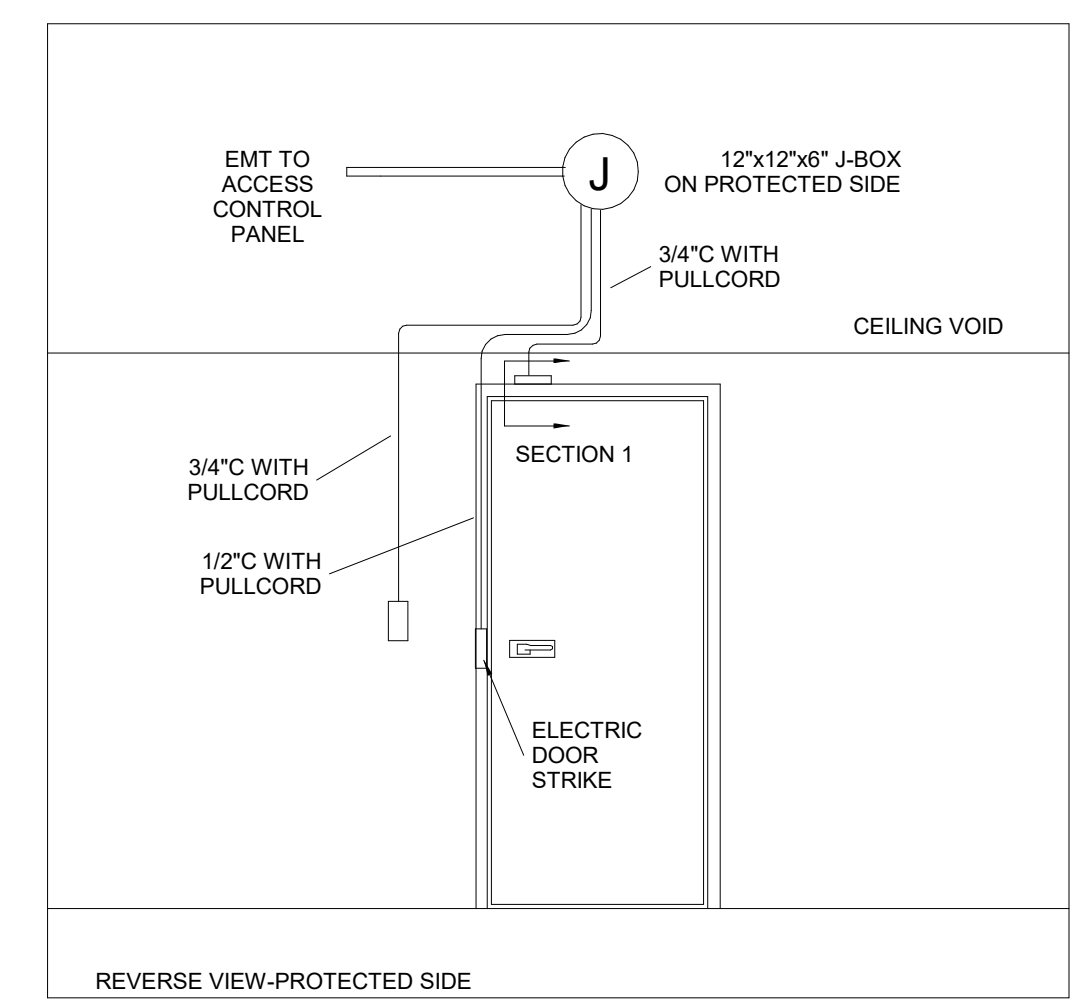
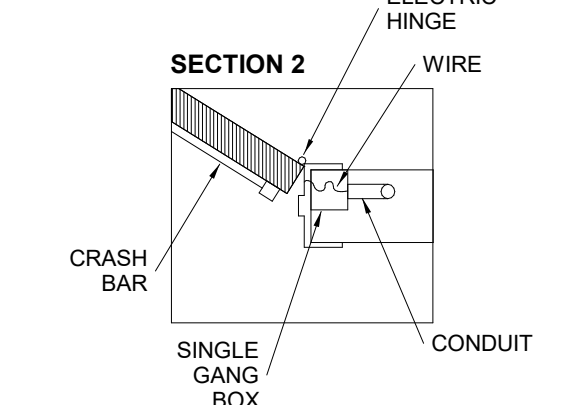
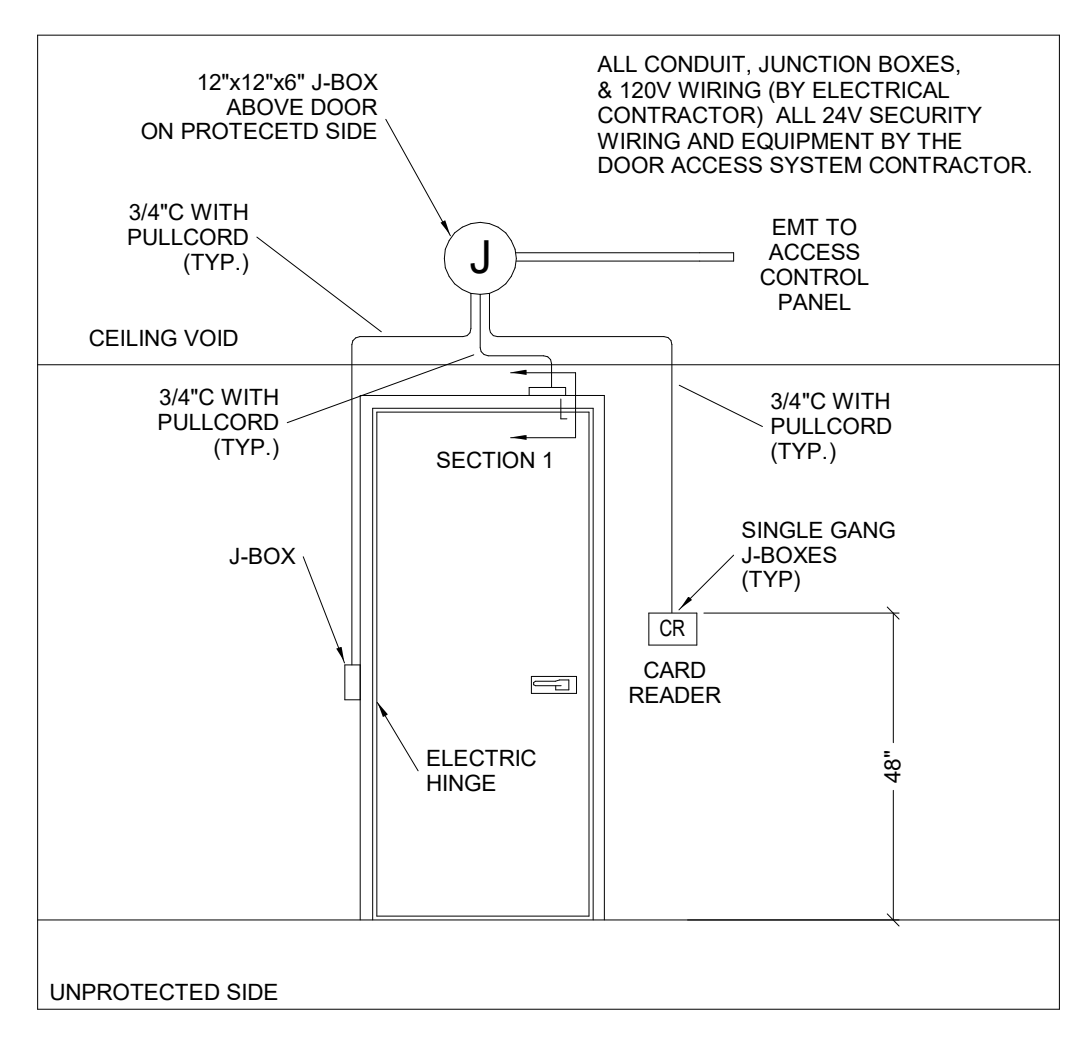
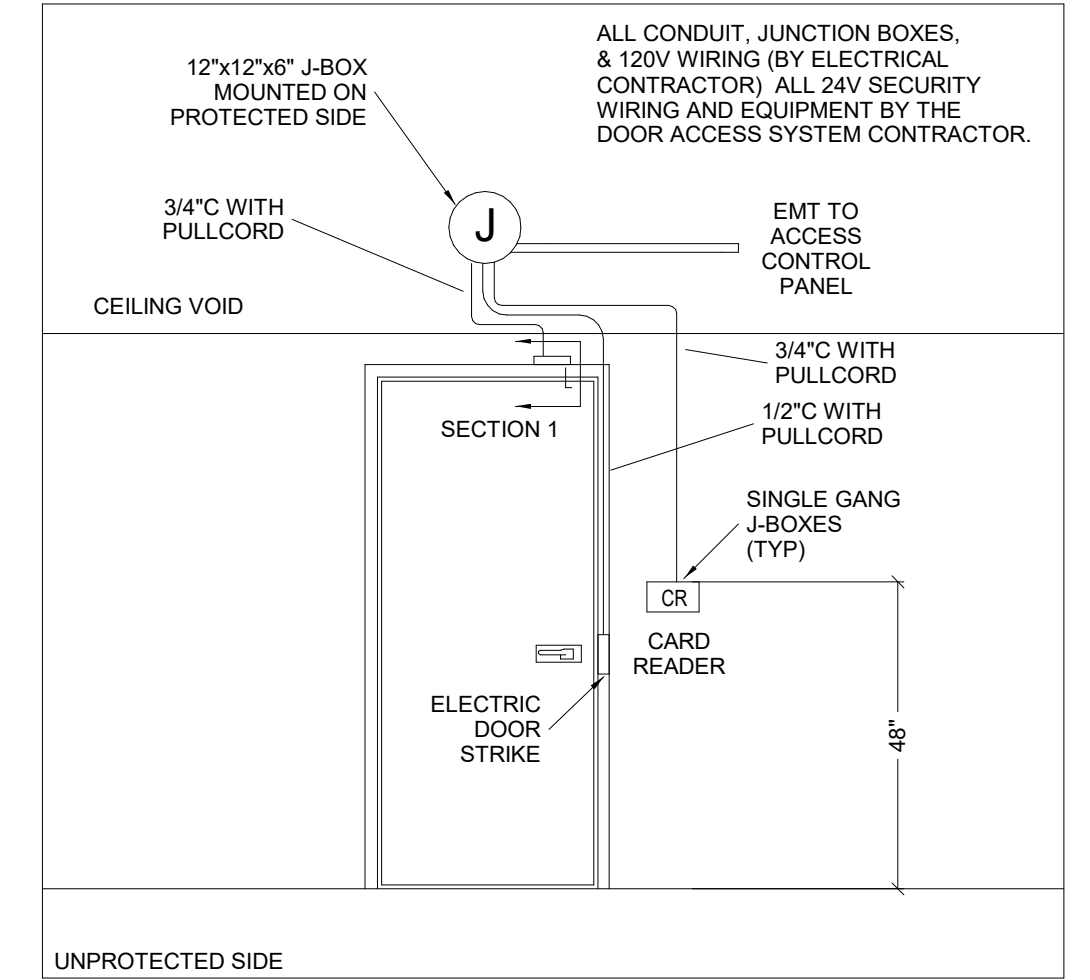
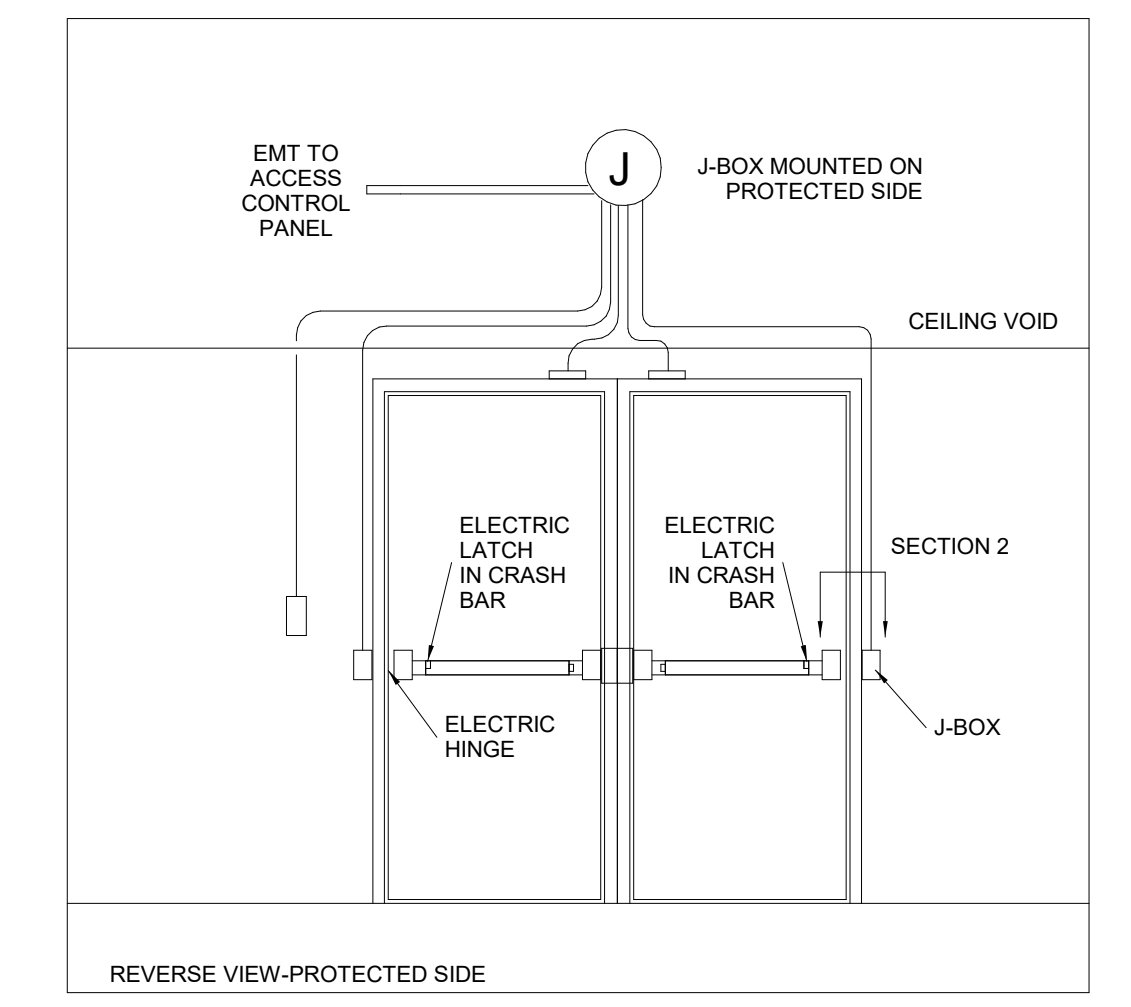
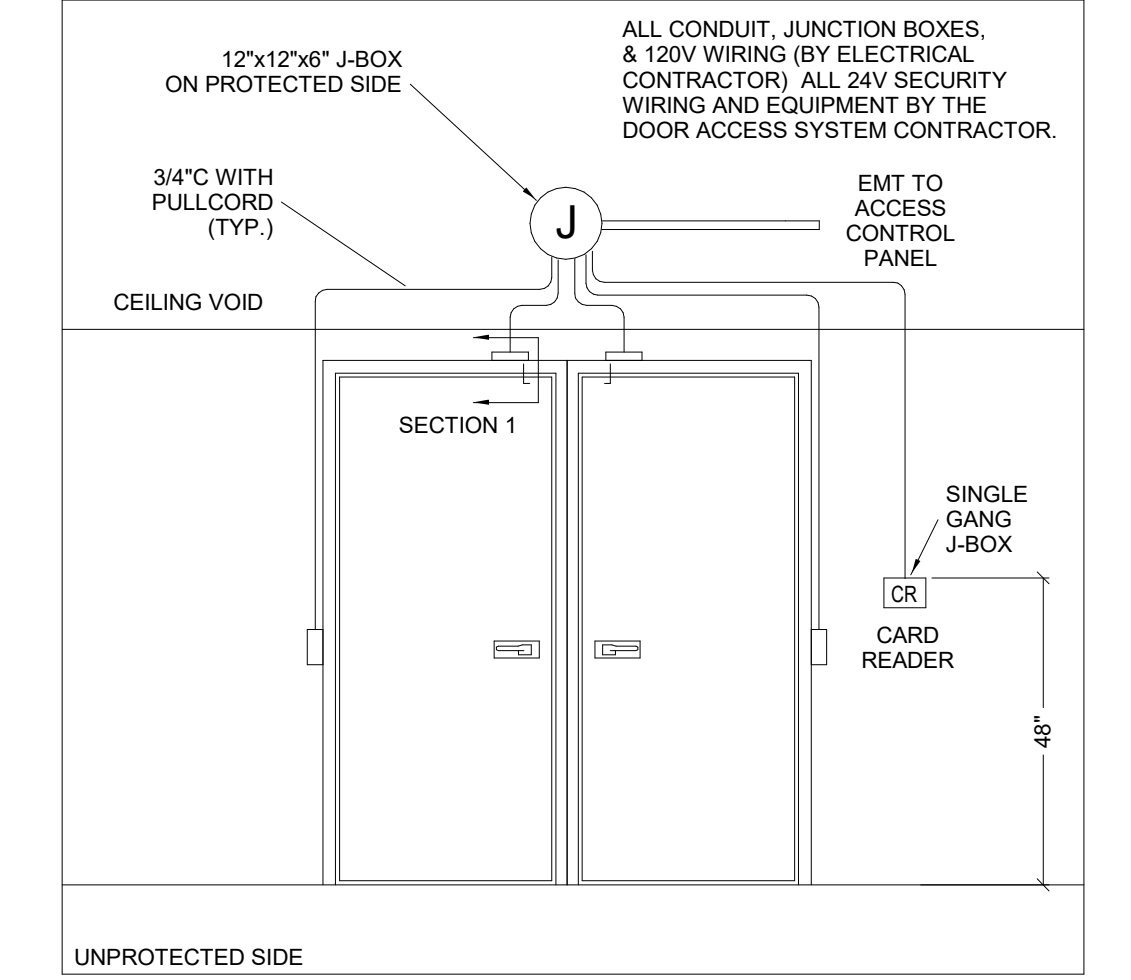
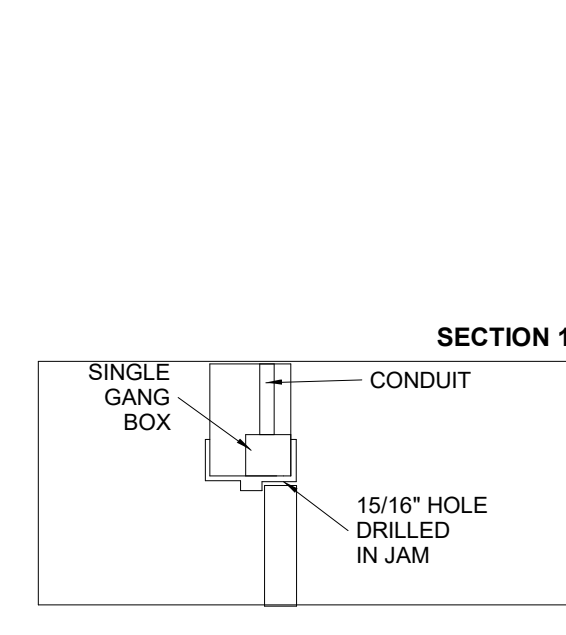
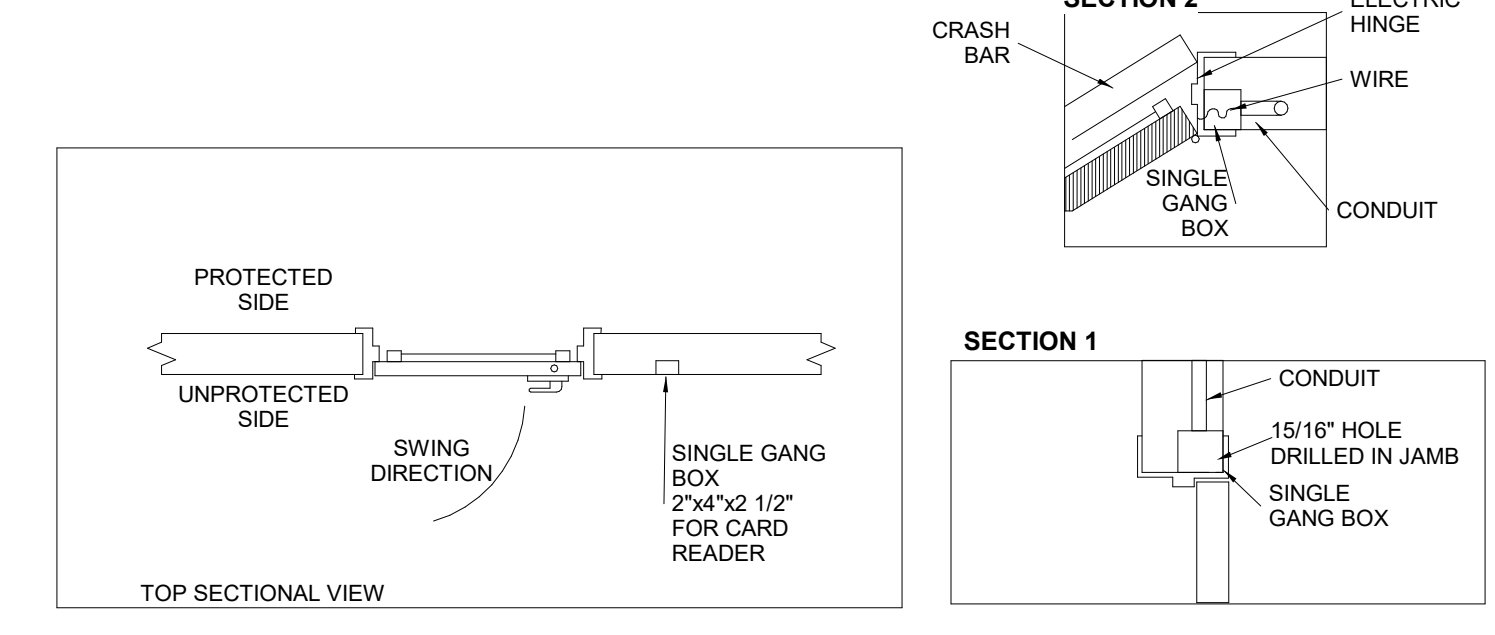
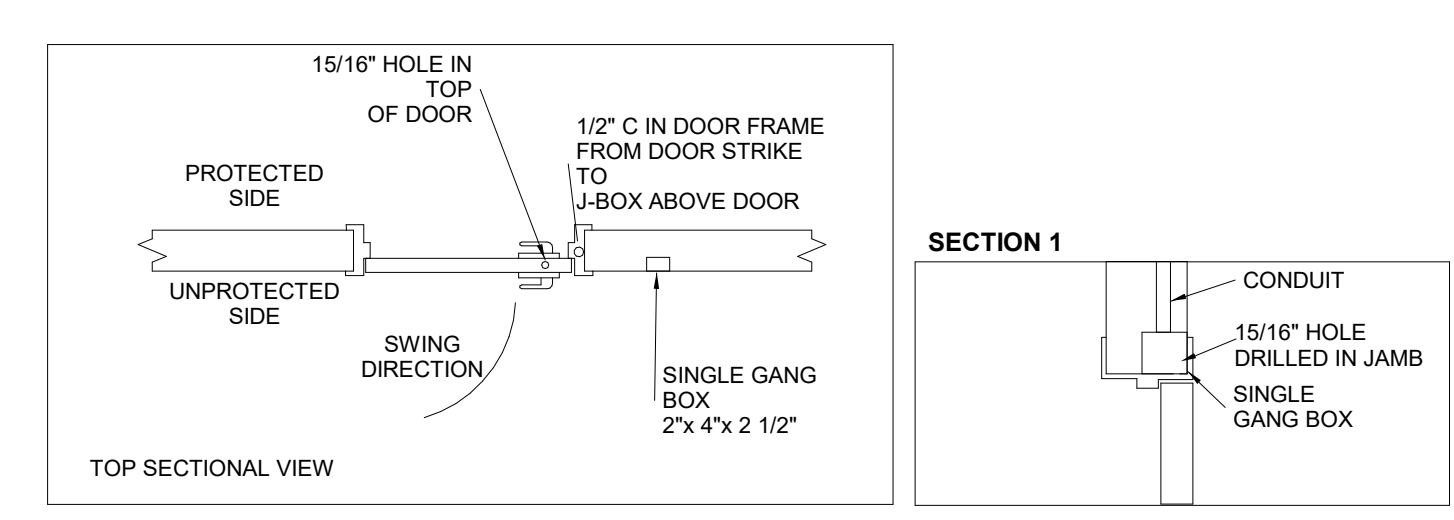
1 POWER RISER DIAGRAM
NOT TO SCALE

KEYNOTES:

1. PROVIDE A 4" HIGH REINFORCED CONCRETE HOUSEKEEPING PAD.
2. DUKE ENERGY PROGRESS MV PRIMARY.
3. SURGE PROTECTIVE DEVICE (SPD). REFER TO SPECIFICATIONS.
4. PROVIDE A 6" HIGH REINFORCED CONCRETE PAD FOR GENERATOR. COORDINATE OPENINGS AND REQUIREMENTS WITH GENERATOR PROVIDER.
5. COORDINATE ALL WORK AT TRANSFORMER WITH DUKE ENERGY PROGRESS.
6. PROVIDE MAXIMUM FAULT CURRENT PLACARD AS PER NEC 110.24.
7. LABEL SERVICES AS PER NEC 230.2(E).
8. EXISTING 40 AMP/3 POLE FEEDER THAT SERVES LIFT PUMP STATION - AS PART OF ALTERNATE #1, LIFT PUMPS SHALL BE UPGRADED. THEREFORE ELECTRICAL CONTRACTOR SHALL PERFORM ALL ELECTRICAL WORK ASSOCIATED WITH REPLACING PUMPS AND CONTROL PANEL. COORDINATE WITH UTILITY CONTRACTOR PRIOR TO PERFORMING ANY WORK.
9. GROUND AS PER NEC AND REFER TO DETAIL E0-022.
10. COORDINATE WITH DUKE ENERGY FOR REPLACING CONCRETE PAD. DUKE ENERGY HAS YET TO EVALUATE LOAD TO SEE IF TRANSFORMER REQUIRES REPLACEMENT. IN ADDITION, AN ADDITIONAL LATERAL SERVICE FEED TO THE MECHANICAL BUILDING SHALL BE REQUIRED. THE WORK ASSOCIATED WITH THIS LATERAL SERVICE FEED SHALL BE PERFORMED AS PART OF THE INITIAL PHASES OF CONSTRUCTION. COORDINATE WITH ARCHITECT/GENERAL CONTRACTOR.
11. IF ALTERNATE #2 IS ACCEPTED, PROVIDE NATURAL GAS GENERATOR. AUTOMATIC TRANSFER SWITCH, DISCONNECT AND ALL ASSOCIATED CONDUIT AND WIRING. NOTE: GAS PIPING SHALL BE INCLUDED AS PART OF ALTERNATE. IF ALTERNATE IS NOT ACCEPTED, PROVIDE GAS PIPING UP TO WITHIN 5'-0" OF GEN SET AND CAP FOR FUTURE USE.
12. AS PART OF BASE BID, PROVIDE A MANUAL TRANSFER SWITCH WITH CAM LOCK CONNECTIONS AND ALL ASSOCIATED CONDUIT AND WIRING FOR ROLL-UP GENERATOR. CONTRACTOR SHALL INCLUDE 25'-0" OF GENERATOR CABLES WITH CONNECTORS AT BOTH ENDS.
13. TEMPORARY ROLL-UP GENERATOR BY OWNER/OTHERS.
14. REFER TO PLUMBING DRAWINGS FOR GAS PIPING.

DRAWN BY: JPT
CHECKED BY: JTB

POWER RISER



- GENERAL NOTES:**
- REFER TO DOOR HARDWARE SPECIFICATION FOR DOOR HARDWARE.
 - THE INSTALLATION OF ALL CONDUIT, WIRING, JUNCTION BOXES, TERMINATIONS, CARD READERS AND S2 EQUIPMENT SHALL BE COORDINATED BETWEEN THE ELECTRICAL, SECURITY AND DOOR HARDWARE CONTRACTORS PRIOR TO INSTALLATION.
 - POWER SUPPLIES SHALL BE LOCATED IN READILY ACCESSIBLE LOCATION AT NEAREST NETWORK CLOSET, NOT ABOVE CEILINGS.
 - THIS DOOR DETAIL IS A GENERAL DETAIL AND DOES NOT REFLECT THE ACTUAL DOOR PROVIDED. THE CONTRACTORS SHALL COORDINATE WITH ALL APPLICABLE TRADES AND INCORPORATE ALL REQUIRED ACCESS CONTROLS FOR A COMPLETE AND 100% OPERATIONAL DOOR.

- GENERAL NOTES:**
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 - THE INSTALLATION OF ALL CONDUIT, WIRING, JUNCTION BOXES, TERMINATIONS, CARD READERS AND S2 EQUIPMENT SHALL BE COORDINATED BETWEEN THE ELECTRICAL, SECURITY AND DOOR HARDWARE CONTRACTORS PRIOR TO INSTALLATION.
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1 EXTERIOR DOUBLE DOORS-CRASH BAR
NOT TO SCALE

3 EXTERIOR/INTERIOR SINGLE DOOR-ELECTRIC STRIKE
NOT TO SCALE

2 EXTERIOR SINGLE DOOR-CRASH BAR
NOT TO SCALE

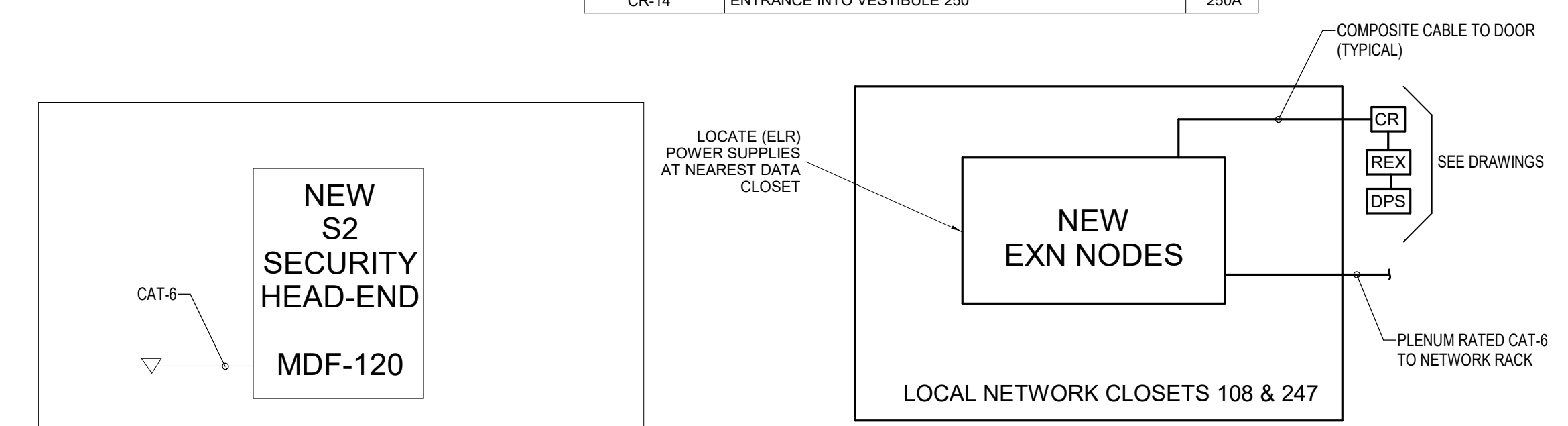
CAMERA SCHEDULE

NO#	AREA	INTERIOR/EXTERIOR	LOCATION	PANASONIC MODEL#
1	A	EXTERIOR	OUTSIDE VESTIBULE 100	--
2	A	EXTERIOR	OUTSIDE OPEN OFFICE AREA 104	--
3	A	EXTERIOR	OUTSIDE TOILET 104J	--
4	A	EXTERIOR	OUTSIDE CONGREGATE DINING 106	--
5	A	EXTERIOR	OUTSIDE ADC VESTIBULE 115	--
6	A	EXTERIOR	OUTSIDE VESTIBULE 129	--
7	A	EXTERIOR	OUTSIDE VESTIBULE 130	--
8	A	INTERIOR - 360°	OPEN OFFICE WORK AREA 113	--
9	A	INTERIOR	CONGREGATE DINING 106	--
10	A	INTERIOR	CONGREGATE DINING 106	--
11	A	INTERIOR - 360°	CORRIDOR 131	--
12	A	INTERIOR - 360°	OPEN OFFICE AREA 104	--
13	A	INTERIOR - 360°	CORRIDOR 131	--
14	A	INTERIOR	CORRIDOR 131	--
15	A	INTERIOR	CORRIDOR 131	--
16	A	INTERIOR - 360°	CORRIDOR 131	--
17	A	INTERIOR - 360°	CORRIDOR 131	--
18	A	INTERIOR	LOBBY 101	--
19	B	EXTERIOR	OUTSIDE FUTURE 253	--
20	B	EXTERIOR	OUTSIDE VESTIBULE 250	--
21	B	EXTERIOR	OUTSIDE VESTIBULE 200	--
22	B	EXTERIOR	OUTSIDE OFFICE 210	--
23	B	EXTERIOR	OUTSIDE OFFICE 212	--
24	B	INTERIOR	CORRIDOR 248	--
25	B	INTERIOR	LOBBY/CHAIRS 201A	--
26	B	INTERIOR	CORRIDOR 249	--
27	B	INTERIOR	CORRIDOR 249	--
28	B	INTERIOR	CORRIDOR 223	--
29	B	INTERIOR - 360°	CORRIDOR 223	--
30	B	INTERIOR - 360°	CORRIDOR 223	--
31	B	INTERIOR - 360°	CORRIDOR 223	--
32	B	INTERIOR - 360°	CORRIDOR 223	--

- GENERAL NOTES:**
- THE CAMERA SYSTEM COMPONENTS AND INSTALLATION BY THE OWNER'S SECURITY CONTRACTOR THIS INCLUDES CAMERAS, MOUNTS, AIMING, TERMINATIONS AND PROGRAMMING.
 - A PRE-INSTALLATION MEETING SHALL OCCUR PRIOR TO ANY ROUGH-IN WITH ARCHITECT, OWNER AND ALL APPLICABLE CONTRACTORS.
 - PLENUM RATED CAT-6 CABLING FOR CAMERAS SHALL BE PROVIDED AND TESTED BY THE DIVISION 27 CONTRACTOR AS PART OF THE BASE BID.
 - ALL SMB BOXES AND PATCH CORDS FOR CAMERAS SHALL BE PROVIDED BY DIVISION 27 CONTRACTOR.

CARD READER SCHEDULE

CARD READER#	DOOR LOCATION	DOOR #
CR-1	ENTRANCE INTO ADC VESTIBULE 115D	115A
CR-2	ENTRANCE INTO OPEN OFFICE 113	113F
CR-3	ENTRANCE INTO OPEN OFFICE 113	113
CR-4	ENTRANCE INTO VESTIBULE 106A	106B
CR-5	ENTRANCE INTO OPEN OFFICE AREA 104	104M
CR-6	ENTRANCE INTO OPEN OFFICE AREA 104	104
CR-7	ENTRANCE INTO CORRIDOR 131	101B
CR-8	ENTRANCE INTO CORRIDOR 102A	102A
CR-9	ENTRANCE INTO CORRIDOR 223	131A
CR-10	ENTRANCE INTO CORRIDOR 223	249B
CR-11	ENTRANCE INTO CORRIDOR 249	249A
CR-12	ENTRANCE INTO CORRIDOR 248	248A
CR-13	ENTRANCE INTO CORRIDOR 248	248B
CR-14	ENTRANCE INTO VESTIBULE 250	250A



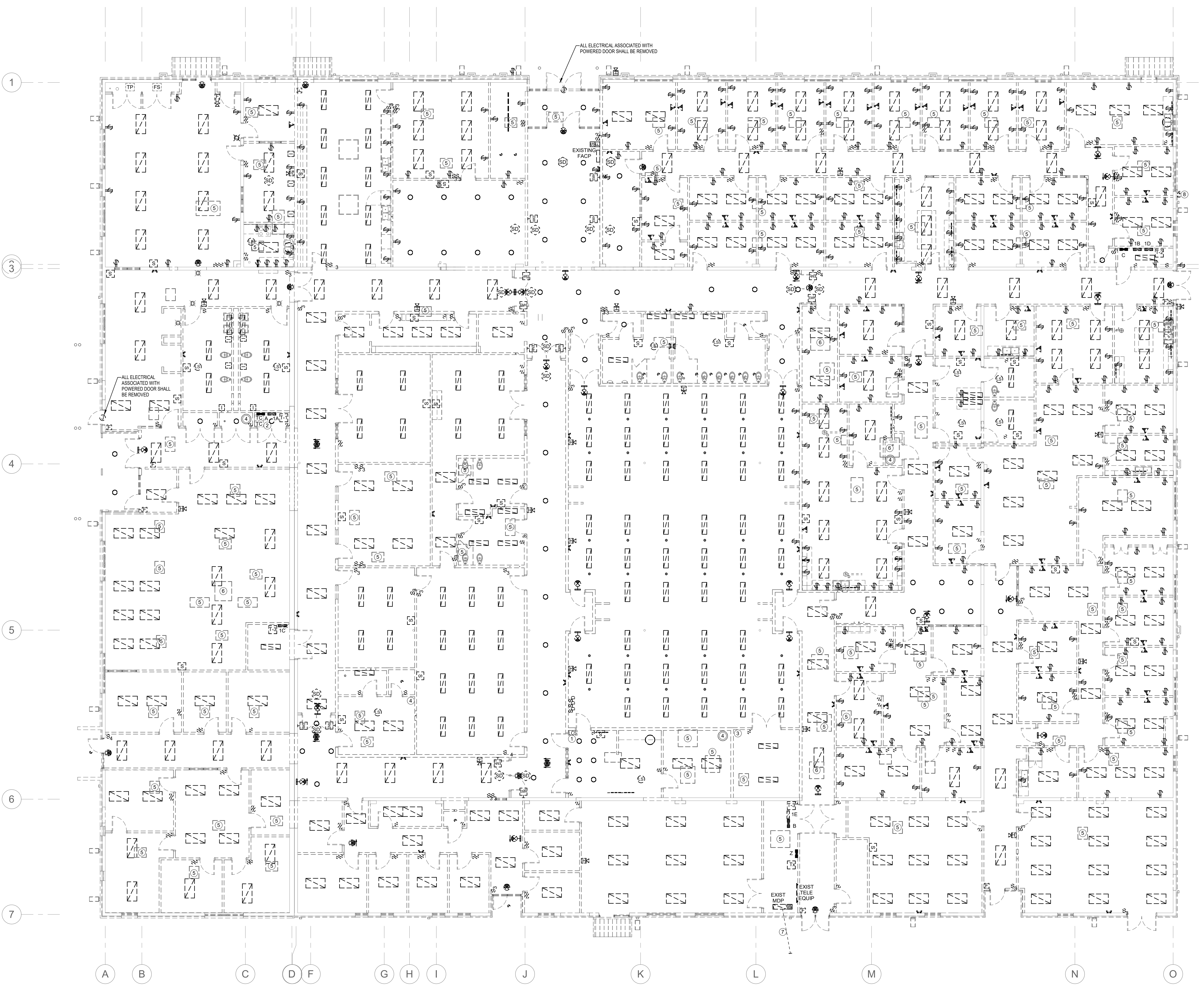
- GENERAL NOTES:**
- ALL 120 VOLT AC POWER AND ASSOCIATED CONDUIT AND WIRING BY ELECTRICAL CONTRACTOR. COORDINATE CLOSELY WITH OWNER'S ACCESS CONTROL CONTRACTOR.
 - ALL OUTLET BOXES AND CONDUIT FOR LOW VOLTAGE CABLING AT DOORS BY ELECTRICAL CONTRACTOR.
 - ALL DOOR HARDWARE, INCLUDING POWER SUPPLIES, BY DOOR HARDWARE CONTRACTOR.
 - ALL ACCESS CONTROL COMPONENTS (i.e. CARD READERS, DOOR CONTROLLERS, REQUEST-TO-EXITS, DOOR POSITION SWITCHES, LOW VOLTAGE CABLING, ETC.) AND PROGRAMMING BY OWNER'S ACCESS CONTROL CONTRACTOR.
 - THE ACCESS CONTROL CONTRACTOR SHALL BE UNDER SEPARATE CONTRACT WITH OWNER.

4 DOOR ACCESS RISER
NOT TO SCALE

5 CAMERA SCHEDULE
NOT TO SCALE

- GENERAL NOTES:**
- REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.
 - ALL EXISTING ELECTRICAL PANELS, TRANSFORMERS AND DISCONNECTS SHALL BE REMOVED IN THEIR ENTIRETY.
 - ALL FIRE ALARM WORK SHALL BE COORDINATED CLOSELY WITH OWNER AND LOCAL FIRE MARSHALL. IF SYSTEM IS TAKEN OUT OF SERVICE WHILE BUILDING IS OCCUPIED, CONTACT FIRE MARSHALL AND PROVIDE FIRE WATCH UNTIL SYSTEM IS BACK IN OPERATION.
 - REFER TO ELECTRICAL DEMOLITION SPECIFICATIONS.
 - ALL DEVICES (I.E. POWER, COMMUNICATIONS, SECURITY, PA, CAMERAS, ACCESS CONTROL, ETC.) SHALL BE REMOVED IN THEIR ENTIRETY. NOTE: THIS INCLUDES ALL WIRING AND RACEWAYS.
 - ALL EXISTING TELECOMMUNICATION RACEWAYS, BACK BOARDS, WIRING, ETC. SHALL BE REMOVED IN THEIR ENTIRETY.
 - EXISTING SLAB SHALL BE REMOVED WITHIN INTERIOR OF BUILDING. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS. PLEASE NOTE: ANY EXISTING UNDERGROUND CONDUIT SHALL BE REMOVED AS NECESSARY TO ALLOW FOR NEW UNDERGROUND CONDUIT TO BE ADDED. ANY EXISTING CONDUITS THAT ARE TURNING UP THROUGH THE SLAB SHALL BE REMOVED. COORDINATE ALL WORK CLOSELY.
 - ALL DEVICES, PANELS, ETC. THAT ARE REMOVED SHALL BE OFFERED TO THE OWNER. IF THE OWNER DOES NOT WANT TO RETAIN, THEN CONTRACTOR SHALL REMOVE FROM SITE.

- KEYNOTES:**
- LIGHTING CONTROL STATIONS AND ITS ASSOCIATED CONDUIT/WIRING SHALL BE REMOVED IN THEIR ENTIRETY.
 - EXISTING TIME CLOCKS AND THEIR ASSOCIATED CONDUIT/WIRING SHALL BE REMOVED IN THEIR ENTIRETY.
 - EXISTING LIGHTING CONTACTORS SHALL BE REMOVED IN THEIR ENTIRETY.
 - EXISTING WATER HEATER AND RECIRCULATION PUMP AND THEIR ASSOCIATED CONDUIT/WIRING SHALL BE REMOVED IN THEIR ENTIRETY.
 - REMOVE DISCONNECTS AND ITS ASSOCIATED CONDUIT/WIRING IN THEIR ENTIRETY ASSOCIATED WITH EXISTING FAN COIL UNIT.
 - EXISTING AIR-TO-HEAT EXCHANGER AND ITS ASSOCIATED CONDUIT/WIRING SHALL BE REMOVED IN ITS ENTIRETY.
 - ALL EXISTING WIRING FROM UTILITY TRANSFORMER TO THE EXISTING MDP SHALL BE REMOVED IN ITS ENTIRETY.
 - REMOVE EXISTING DISCONNECT AND ASSOCIATED CONDUIT/WIRING THAT SERVES RAIN BIRD EQUIPMENT. REFER TO DRAWING E1-01 FOR RECONNECTION.



1 ELECTRICAL DEMOLITION PLAN

1/8" = 1'-0"

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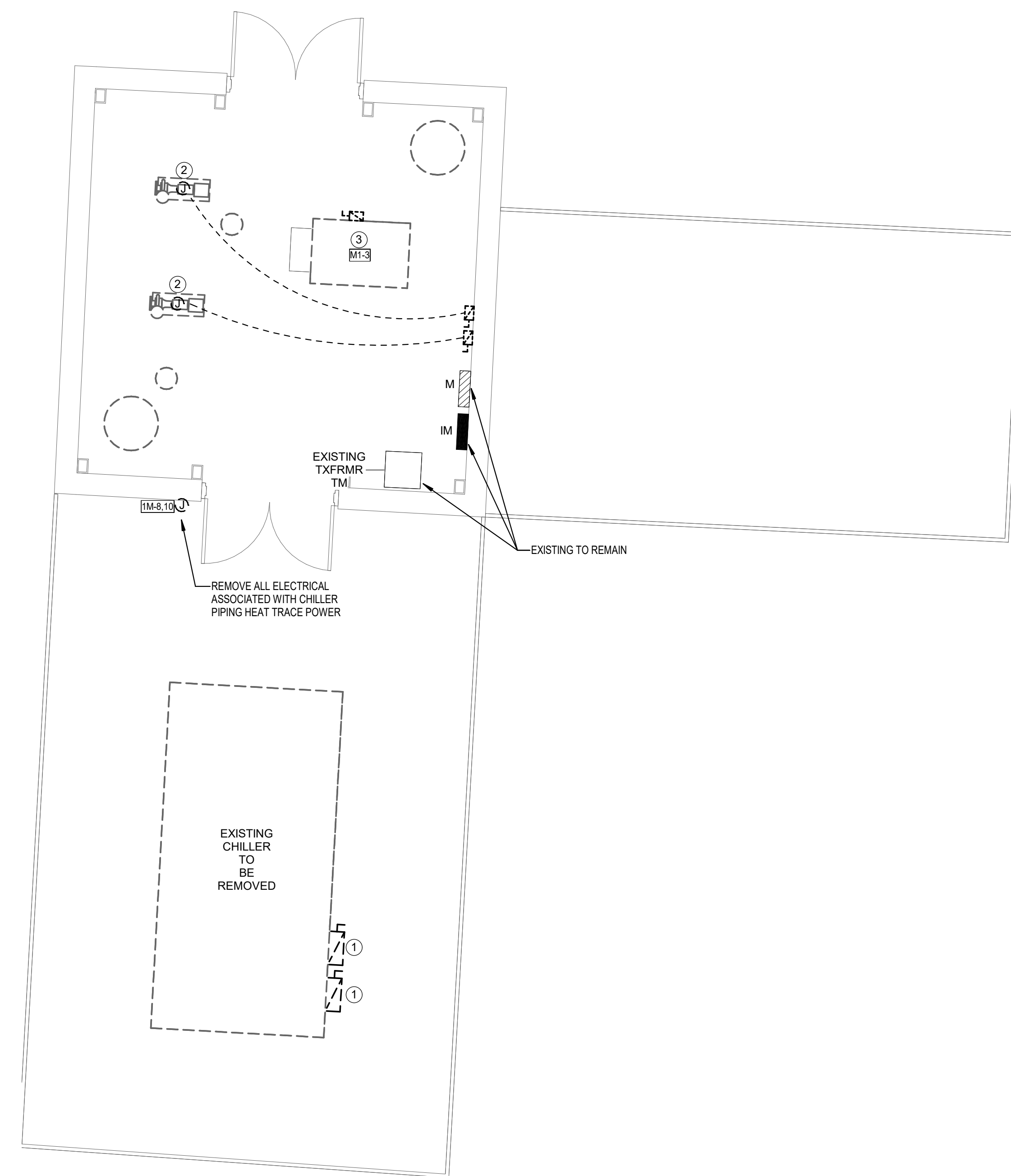
DRAWN BY: JPT
CHECKED BY: JTB
**ELECTRICAL
DEMOLITION PLAN**

GENERAL NOTES:

- A. REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.
- B. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CIRCUITS PRIOR TO ANY DEMOLITION. PROVIDE LOCKOUT/TAGOUT FOR SAFETY.
- C. PROVIDE UPDATED, TYPED, PANEL DIRECTORIES TO REFLECT AS-BUILT CONDITIONS.

KEYNOTES:

- 1. ALL EXISTING WIRING, EXPOSED CONDUIT AND DISCONNECTS TO CHILLER SHALL BE REMOVED IN THEIR ENTIRETY. SPARE BREAKER AT RESPECTIVE PANEL.
- 2. REMOVE ALL CONDUIT, WIRING, STARTERS AND DISCONNECTS ASSOCIATED WITH REMOVED PUMPS.
- 3. REMOVE ALL CONDUIT, WIRING, STARTERS AND DISCONNECTS ASSOCIATED WITH REMOVED BOILER.



1 ELECTRICAL DEMOLITION PLAN - MECHANICAL BUILDING

0 2 4 6
1/4" = 1'-0"

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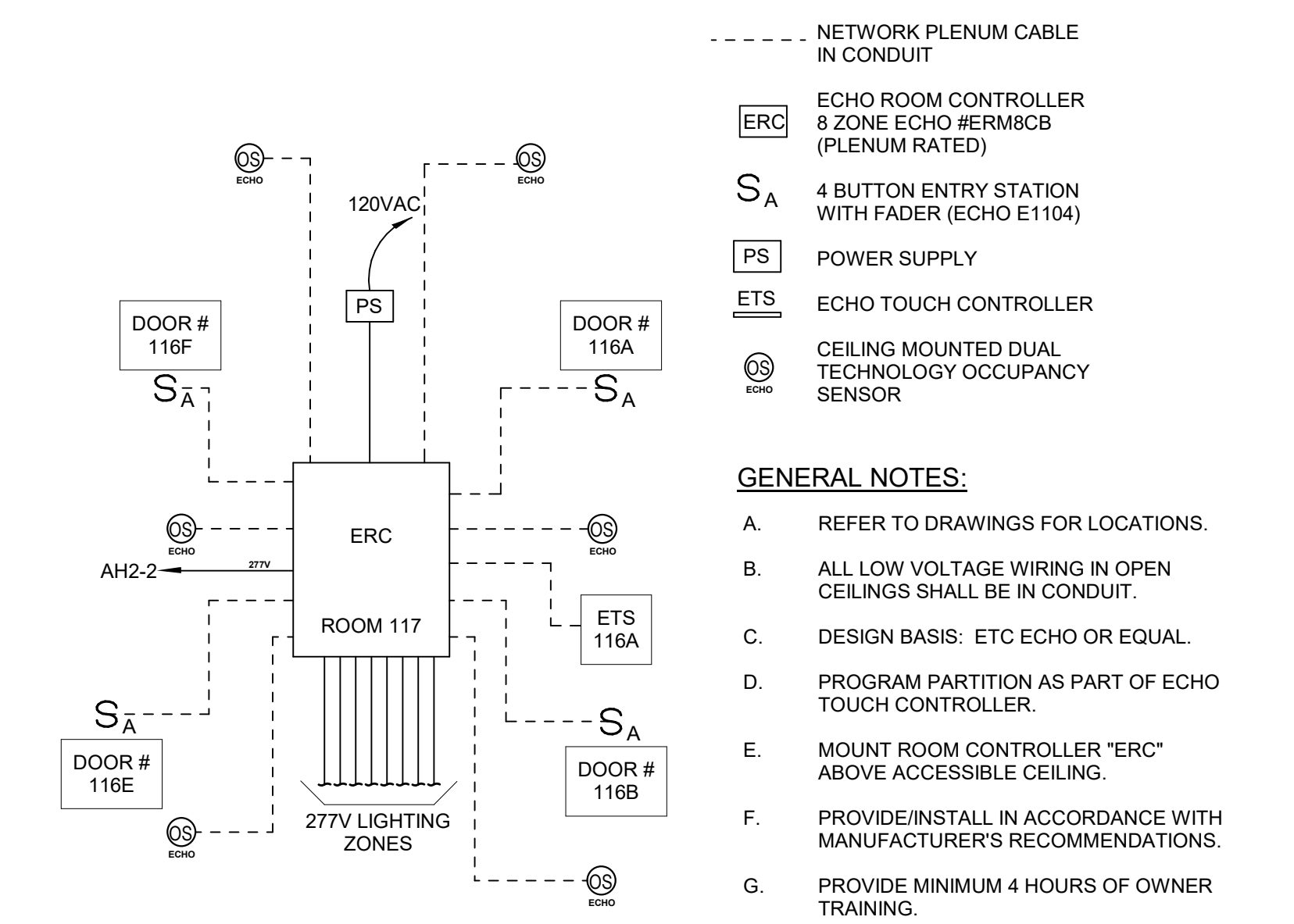
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MECHANICAL
BUILDING
DEMOLITION PLAN

2021029 16 OCT. 2024

E0-12

ID	DATE	DESCRIPTION

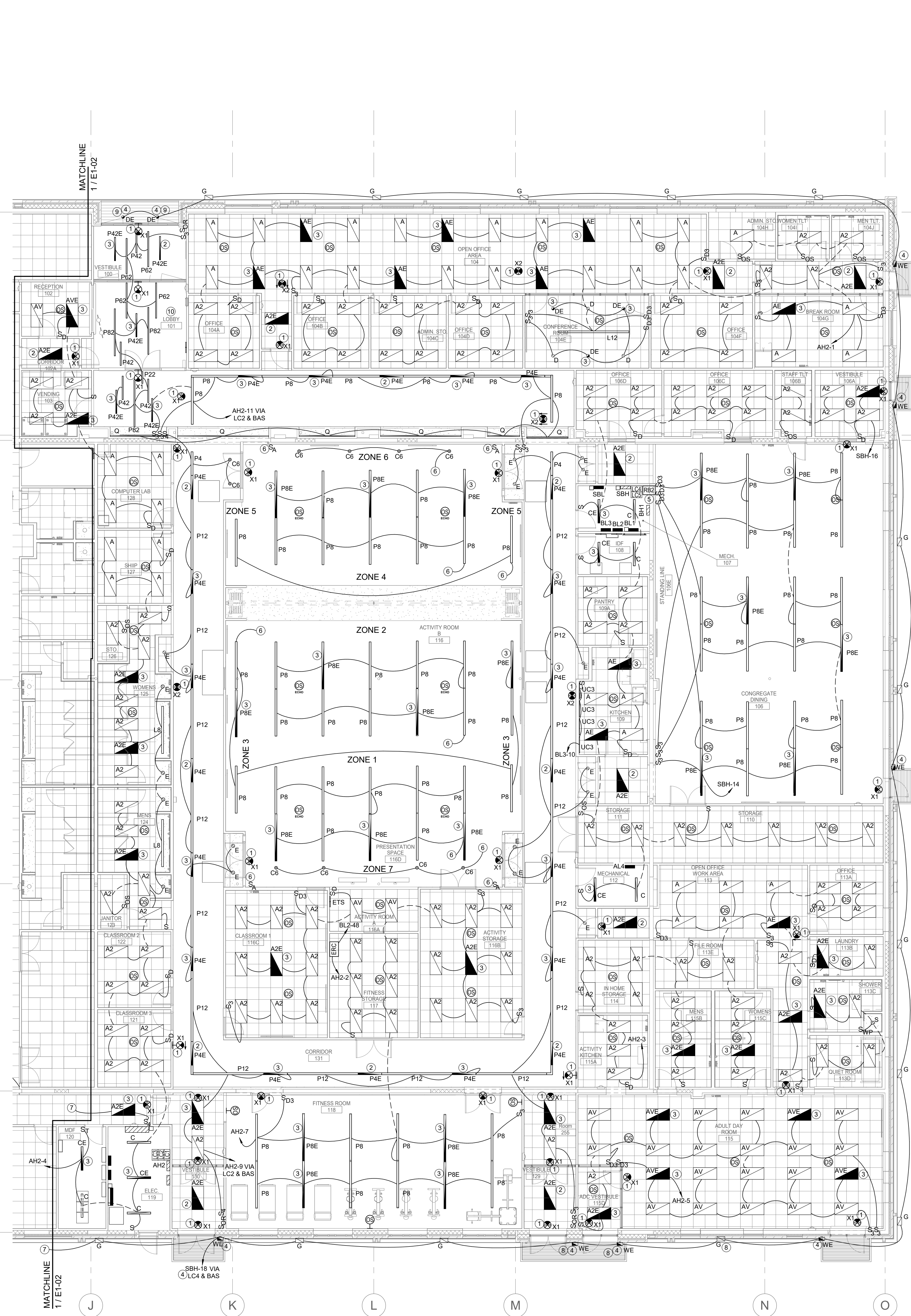


ACTIVITY ROOM 116 LIGHTING CONTROL - ELECTRONIC THEATER CONTROLS (ETC) ECHO OR EQUAL
ACTIVITY ROOM 116 LIGHTING CONTROL
NOT TO SCALE

GENERAL NOTES:
A. REFER TO SHEET E0-01 FOR NOTES, SYMBOL LEGEND AND ABBREVIATIONS.

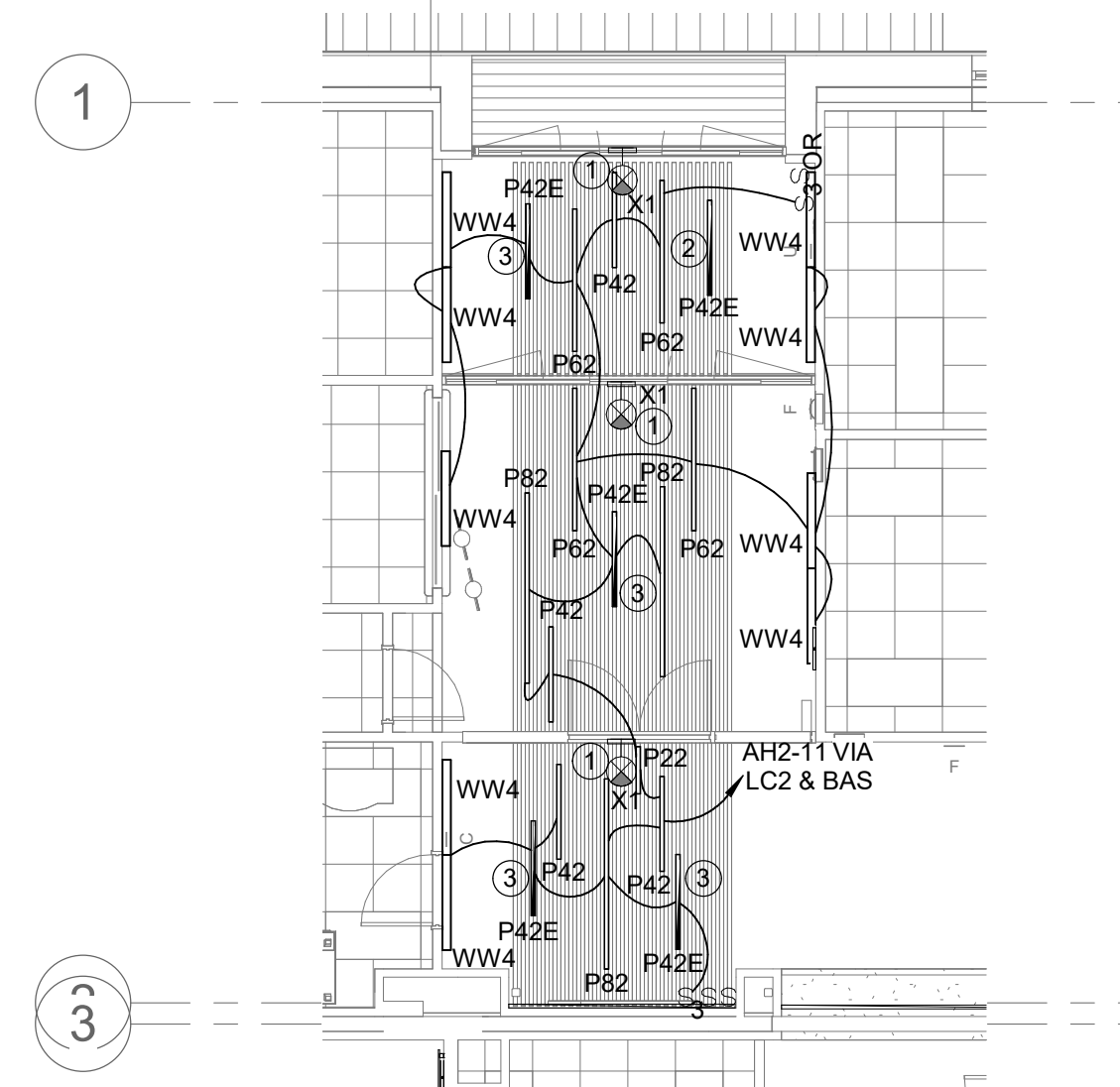
- KEYNOTES:**
- EMERGENCY LIGHTS - WIRE AHEAD OF SWITCHES AND/OR BAS.
 - NIGHT LIGHT/EMERGENCY LIGHT - WIRE AHEAD OF SWITCHES AND/OR BAS.
 - EMERGENCY FIXTURE - WIRE SO FIXTURE TURNS ON/OFF WITH OTHER FIXTURES IN ROOM, BUT MAINTAINS BATTERY CHARGE. FIXTURE SHALL ILLUMINATE UPON LOSS OF NORMAL POWER.
 - EXTERIOR EMERGENCY FIXTURE - WIRE SO FIXTURE TURNS ON/OFF WITH OTHER EXTERIOR FIXTURES, BUT MAINTAINS BATTERY CHARGE. FIXTURE SHALL ILLUMINATE UPON LOSS OF NORMAL POWER.
 - AS PART OF ALTERNATES #3, #4 AND #5, PROVIDE REMOTE EMERGENCY LIGHTING INVERTER RB2, FOR EXTERIOR EMERGENCY CANOPY FIXTURES, IN MECHANICAL/ELECTRICAL 107. FIXTURES SHALL BE WIRED SO THEY TURN ON/OFF VIA BAS, BUT UPON LOSS OF NORMAL POWER, FIXTURES SHALL ILLUMINATE VIA INVERTER.
 - REFER TO LIGHTING CONTROL RISER DETAIL 2 ON THIS DRAWING.
 - CONTINUED ON DRAWING E1-02.
 - IF ALTERNATE #4 IS ACCEPTED, DO NOT INSTALL FIXTURES INDICATED AND REFER TO DETAIL 5 ON THIS DRAWING FOR LIGHTING LAYOUT.
 - IF ALTERNATE #3 IS ACCEPTED, REFER TO DETAIL 3 ON THIS DRAWING FOR CIRCUITING THE (2) TYPE D FIXTURES. THESE FIXTURES ARE TYPE DE IN BASE BID.
 - IF ALTERNATE #6C IS ACCEPTED, REFER TO DETAIL 4 ON THIS DRAWING FOR LIGHTING IN LOBBY 101.

NATURAL GAS
GEN-SET IS PART
OF ALTERNATE #2

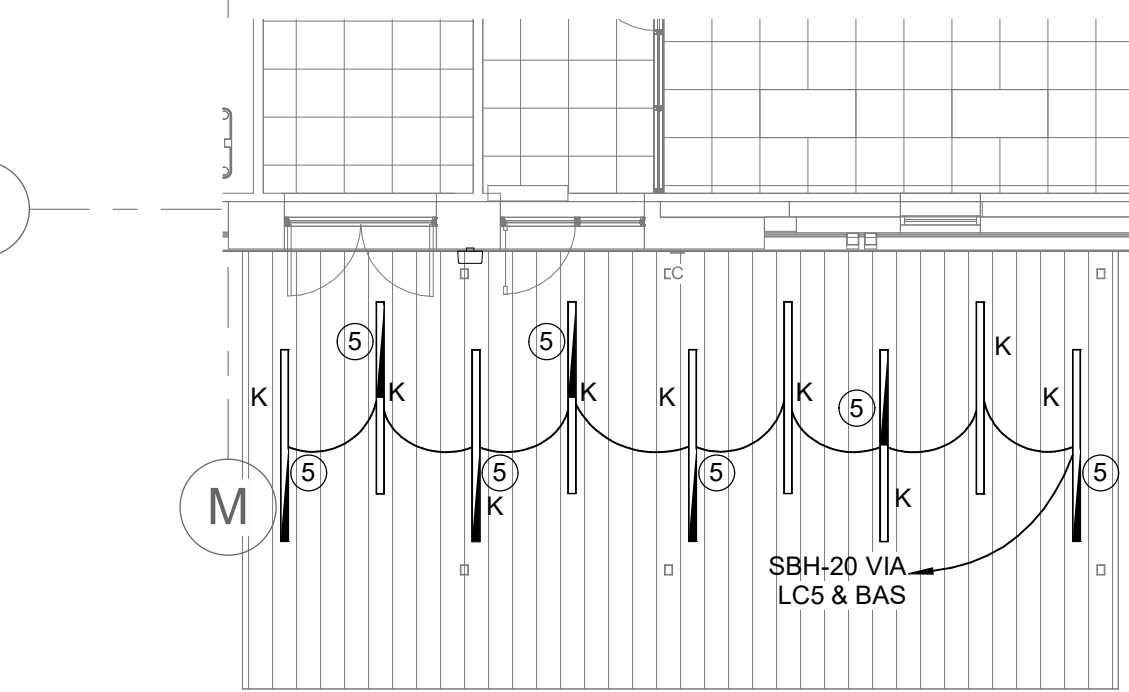


1 FIRST FLOOR LIGHTING PLANS - AREA A
1/8" = 1'-0"

3 ALTERNATE 3 - MAIN ENTRANCE CANOPY LIGHTING
1/8" = 1'-0"

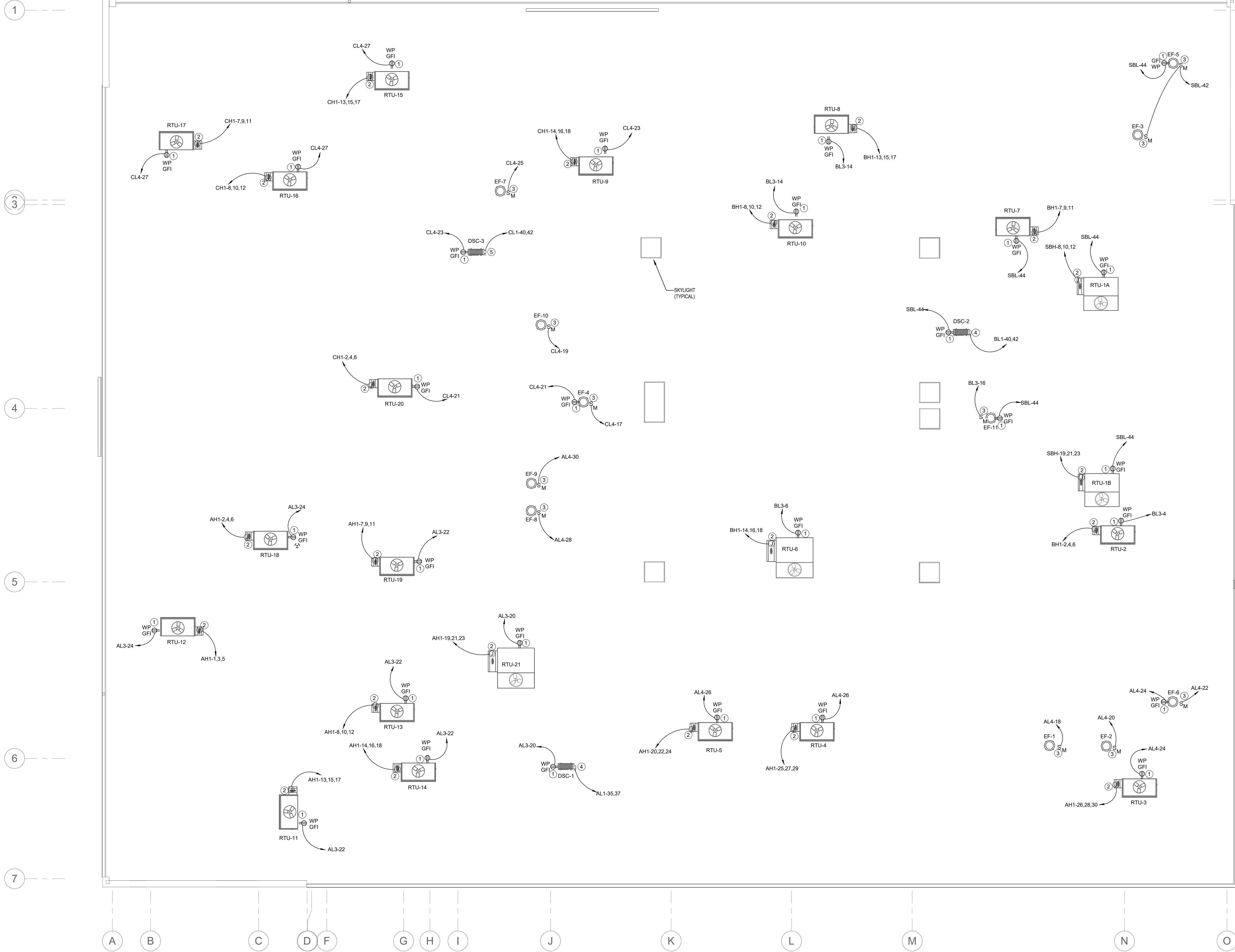


4 ALTERNATE 6c - LOBBY 101 LIGHTING
1/8" = 1'-0"



5 ALTERNATE 4 - ADC CANOPY LIGHTING
1/8" = 1'-0"

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GENERAL NOTES:

A. REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.

KEYNOTES:

- SERVICE RECEPTACLE PROVIDED WITH EQUIPMENT. WIRE TO CIRCUIT AS SHOWN.
- CIRCUIT BREAKER PROVIDED WITH EQUIPMENT. WIRE TO CIRCUIT AS SHOWN.
- 120 VOLT, 20 AMP, NEMA-3R, MOTOR RATED TOGGLE DISCONNECT SWITCH FOR EXHAUST FAN. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR.
- 240 VOLT, 60 AMP, 2 POLE, NEMA-3R, FUSIBLE DISCONNECT SWITCH FOR HVAC EQUIPMENT. FUSE PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR. OUTDOOR UNIT POWERS ASSOCIATED INDOOR UNIT. REFER TO MECHANICAL SCHEDULES.
- 240 VOLT, 30 AMP, 2 POLE, NEMA-3R, FUSIBLE DISCONNECT SWITCH FOR HVAC EQUIPMENT. FUSE PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR. OUTDOOR UNIT POWERS ASSOCIATED INDOOR UNIT. REFER TO MECHANICAL SCHEDULES.

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POWER PLAN - ROOF

2021029 16 OCT. 2024

E2-03

1 ROOF POWER PLAN - AREA B
1/8" = 1'-0"

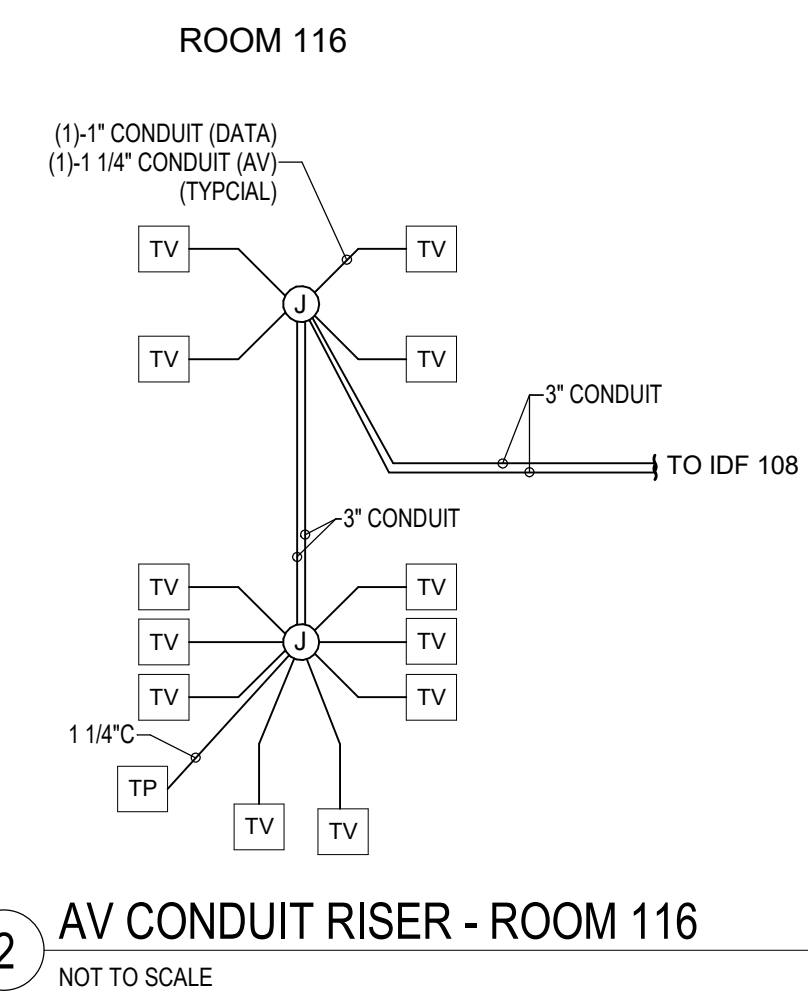
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CAT. 6/HDMI PLENUM DATA DROPS OUTLET & CABLE SCHEDULE

FLOOR/AREA	ROOM #	CAT-6 DROPS	HDMI DROPS	COMMENTS	TERMINATION
1ST FLOOR	101	6	-	1 CAM	IDF-RM108
1ST FLOOR	102	10	-	-	IDF-RM108
1ST FLOOR	103	5	-	-	IDF-RM108
1ST FLOOR	104	54	-	2 CAM, 3 WAP	IDF-RM108
1ST FLOOR	104A	4	-	-	IDF-RM108
1ST FLOOR	104B	4	-	-	IDF-RM108
1ST FLOOR	104C	1	-	-	IDF-RM108
1ST FLOOR	104D	4	-	-	IDF-RM108
1ST FLOOR	104E	18	2	-	IDF-RM108
1ST FLOOR	104F	6	-	-	IDF-RM108
1ST FLOOR	104G	2	-	-	IDF-RM108
1ST FLOOR	106	17	-	2 CAM, 1 WAP	IDF-RM108
1ST FLOOR	106C	9	-	-	IDF-RM108
1ST FLOOR	106D	4	-	-	IDF-RM108
1ST FLOOR	108	2	-	DDC PANEL	IDF-RM108
1ST FLOOR	116	64	-	2 WAP	IDF-RM108
1ST FLOOR	131	7	-	4 CAM, 3 WAP	IDF-RM108
1ST FLOOR	EXTERIOR	5	-	5 CAM	IDF-RM108
1ST FLOOR	113	11	-	1 CAM, 1 WAP	MDF-RM120
1ST FLOOR	113A	4	-	-	MDF-RM120
1ST FLOOR	113B	2	-	-	MDF-RM120
1ST FLOOR	113E	2	-	-	MDF-RM120
1ST FLOOR	115	15	1	1 WAP	MDF-RM120
1ST FLOOR	115A	4	-	-	MDF-RM120
1ST FLOOR	116A	6	-	-	MDF-RM120
1ST FLOOR	116C	14	3	1 WAP	MDF-RM120
1ST FLOOR	121	12	1	1 WAP	MDF-RM120
1ST FLOOR	122	12	1	1 WAP	MDF-RM120
1ST FLOOR	127	4	-	-	MDF-RM120
1ST FLOOR	128	9	-	-	MDF-RM120
1ST FLOOR	131	3	-	1 WAP, 2 CAM	MDF-RM120
1ST FLOOR	EXTERIOR	3	-	3 CAM	MDF-RM120
TOTALS:		323	8		

FIBER BACK BONE CABLES (OM3-PLENUM)

AREA/FLOOR	ROOM #	# OF FIBER CONDUCTORS	TERMINATION
A/1ST FLOOR	108	24 STRAND/50 MICRON/MULTIMODE	MDF-120
B/1ST FLOOR	247	24 STRAND/50 MICRON/MULTIMODE	MDF-120
TOTAL FIBERS:		48	



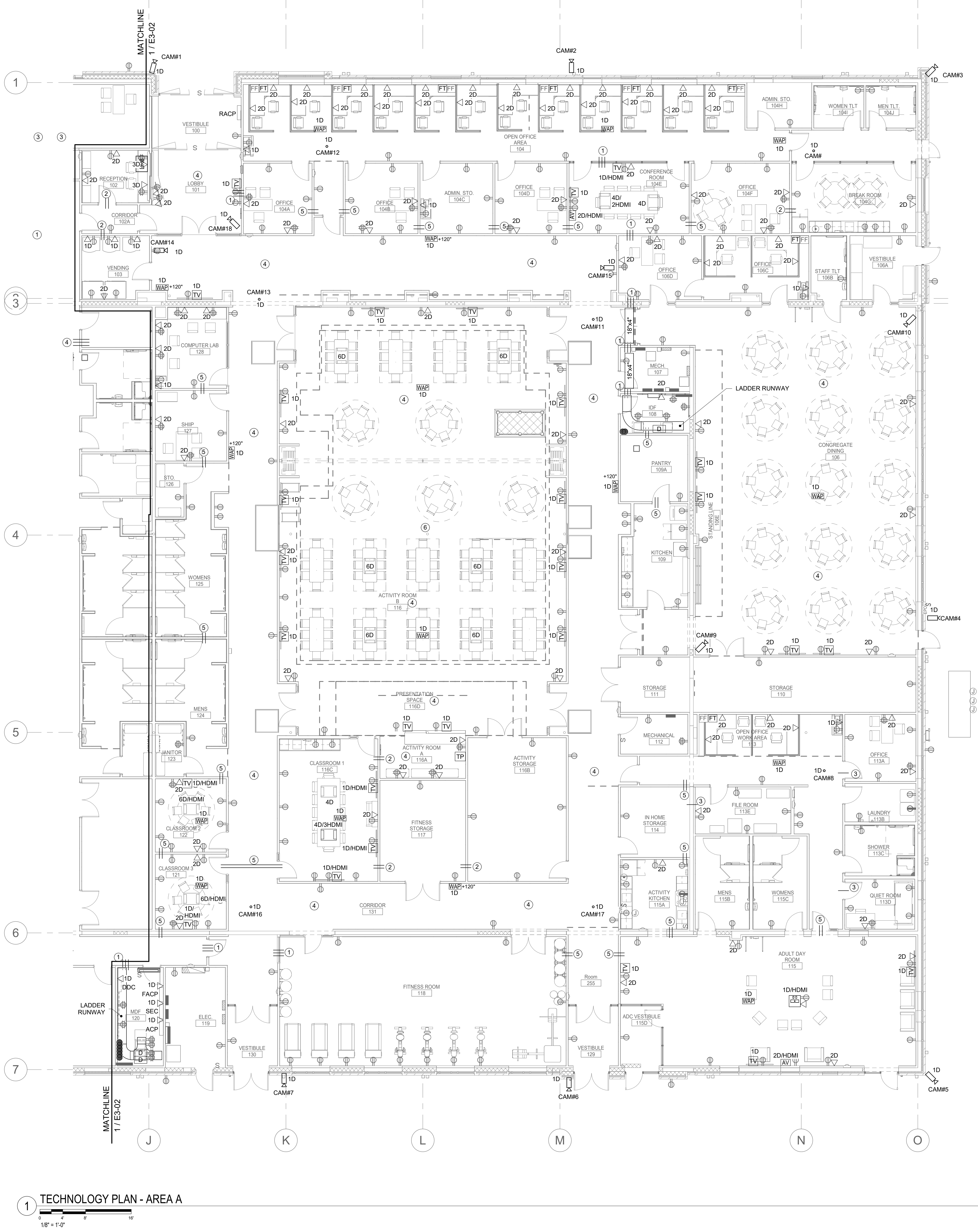
LEGEND:

- J JUNCTION BOX - MINIMUM 18"x18"x6"
- TV TWO-GANG, DEEP FLAT PANEL OUTLET BOX
- TP THREE GANG TOUCH PANEL BACK BOX BY AV CONTRACTOR

GENERAL NOTES:

A. ALL WIRING IN THIS ROOM WITH OPEN STRUCTURE SHALL BE IN CONDUIT.

2 AV CONDUIT RISER - ROOM 116
NOT TO SCALE



GENERAL NOTES:

- A. REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.
- B. IN AREAS WHERE THERE IS ACCESSIBLE LAY-IN CEILING, J-HOOKS SHALL BE SPACED NO MORE THAN 36" APART. IN OTHER AREAS WITH OPEN OR HARD CEILINGS SHALL USE MINIMUM 3/4" CONDUIT FOR LOW VOLTAGE WIRING.
- C. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.
- D. ALL FIBER BACKBONE CABLES SHALL BE IN PLENUM RATED INNER DUCT ABOVE ACCESSIBLE LAY-IN CEILING. OTHERWISE, CABLES SHALL BE IN MINIMUM 2" CONDUIT ABOVE OPEN OR HARD CEILING.
- E. ALL NETWORK RACKS PROVIDED AND INSTALLED BY DIVISION 27 CONTRACTOR.
- F. ALL LADDER RUNWAY TRAY IN NETWORK CLOSETS BY DIVISION 27 CONTRACTOR. OTHERWISE 18"x4" LADDER TRAY IS BY ELECTRICAL CONTRACTOR.
- G. ALL CAMERA LOCATIONS SHALL BE COORDINATED BETWEEN ELECTRICAL, DIVISION 27 AND OWNER'S SECURITY CONTRACTORS PRIOR TO ROUGH-IN.
- H. DIVISION 27 CONTRACTOR SHALL COORDINATE WITH FURNITURE PROVIDER. COMMUNICATION FURNITURE FEEDS VIA FLEX CONDUIT BY ELECTRICAL CONTRACTOR FROM WALL SHALL BE USED TO FEED CAT-6 WIRING TO MODULAR FURNITURE. DIVISION 27 CONTRACTOR SHALL PROVIDE CORRECT MODULAR FURNITURE CONNECTOR/INSERTS. ALL WORK SHALL BE COORDINATED BETWEEN ELECTRICAL, DIVISION 27 AND FURNITURE CONTRACTORS PRIOR TO ROUGH-INS.

KEYNOTES:

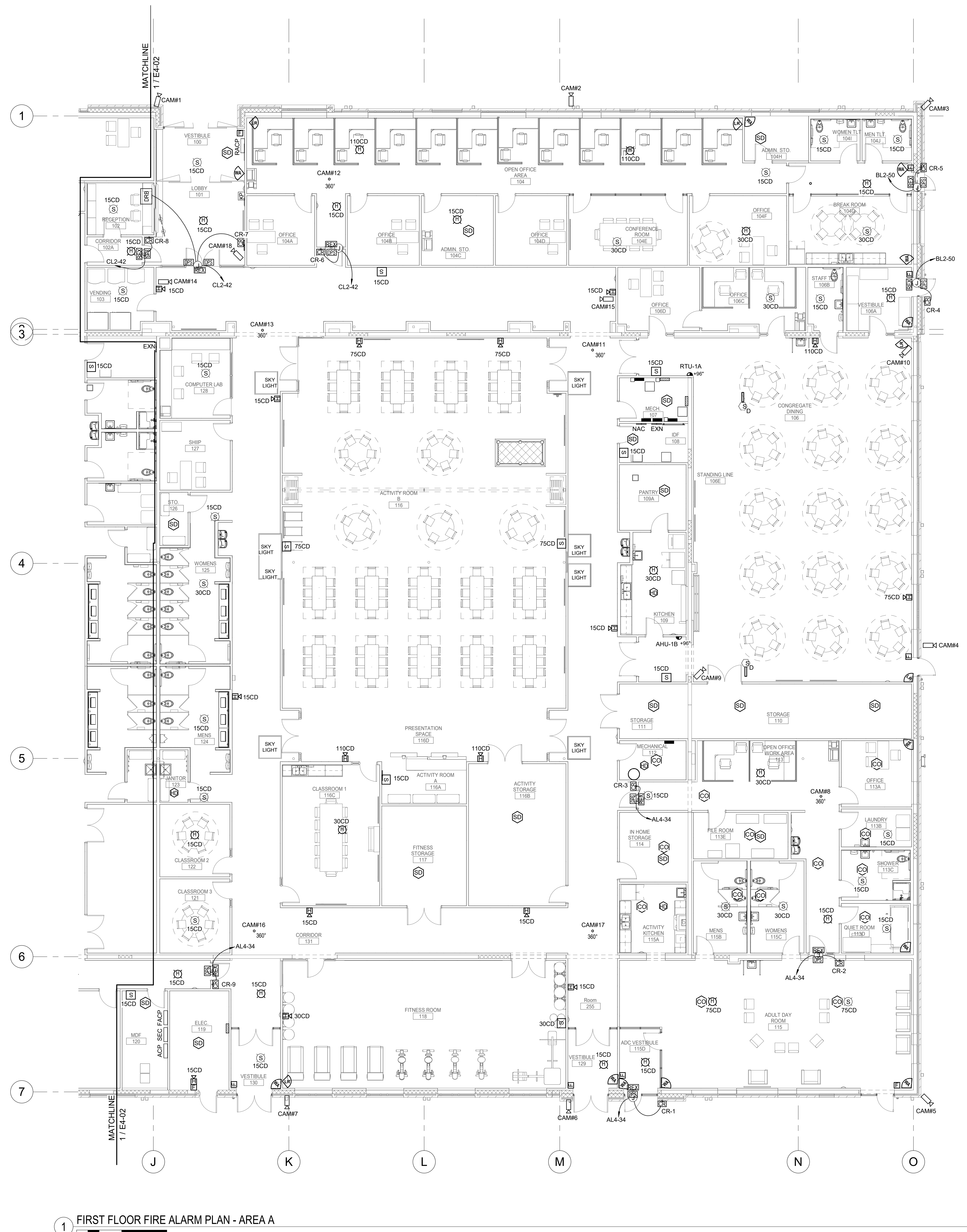
- 1. (3) 3" CONDUIT SLEEVES WITH BUSHINGS ON BOTH ENDS ABOVE ACCESSIBLE LAY-IN CEILING.
- 2. (2) 2" CONDUIT SLEEVES WITH BUSHINGS ON BOTH ENDS ABOVE ACCESSIBLE LAY-IN CEILING.
- 3. (1) 2" CONDUIT SLEEVE WITH BUSHINGS ON BOTH ENDS ABOVE ACCESSIBLE LAY-IN CEILING.
- 4. ALL LOW VOLTAGE DATA CONDUITS IN THIS ROOM/AREA SHALL BE ROUTED CONCEALED TO RESPECTIVE IDF CLOSETS.
- 5. (2)-3" CONDUIT SLEEVES WITH BUSHINGS ON BOTH ENDS ABOVE ACCESSIBLE LAY-IN CEILING.
- 6. REFER TO AV CONDUIT RISER DETAIL 2 ON THIS DRAWING.

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TECHNOLOGY
PLAN - AREA A



1 FIRST FLOOR FIRE ALARM PLAN - AREA A

- GENERAL NOTES:**
- A. REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.
 - B. ALL FIRE ALARM WIRING SHALL BE IN MINIMUM 3/4" CONDUIT.
 - C. MOUNT EXTERIOR CAMERAS AS DIRECTED BY OWNER/OWNER'S SECURITY CONTRACTOR.
 - D. ACCESS CONTROLLED DOORS SHALL BE COORDINATED FOR ROUGH-INS AND 120VAC POWER. A PRE-INSTALLATION MEETING SHALL OCCUR PRIOR TO ROUGH-IN.

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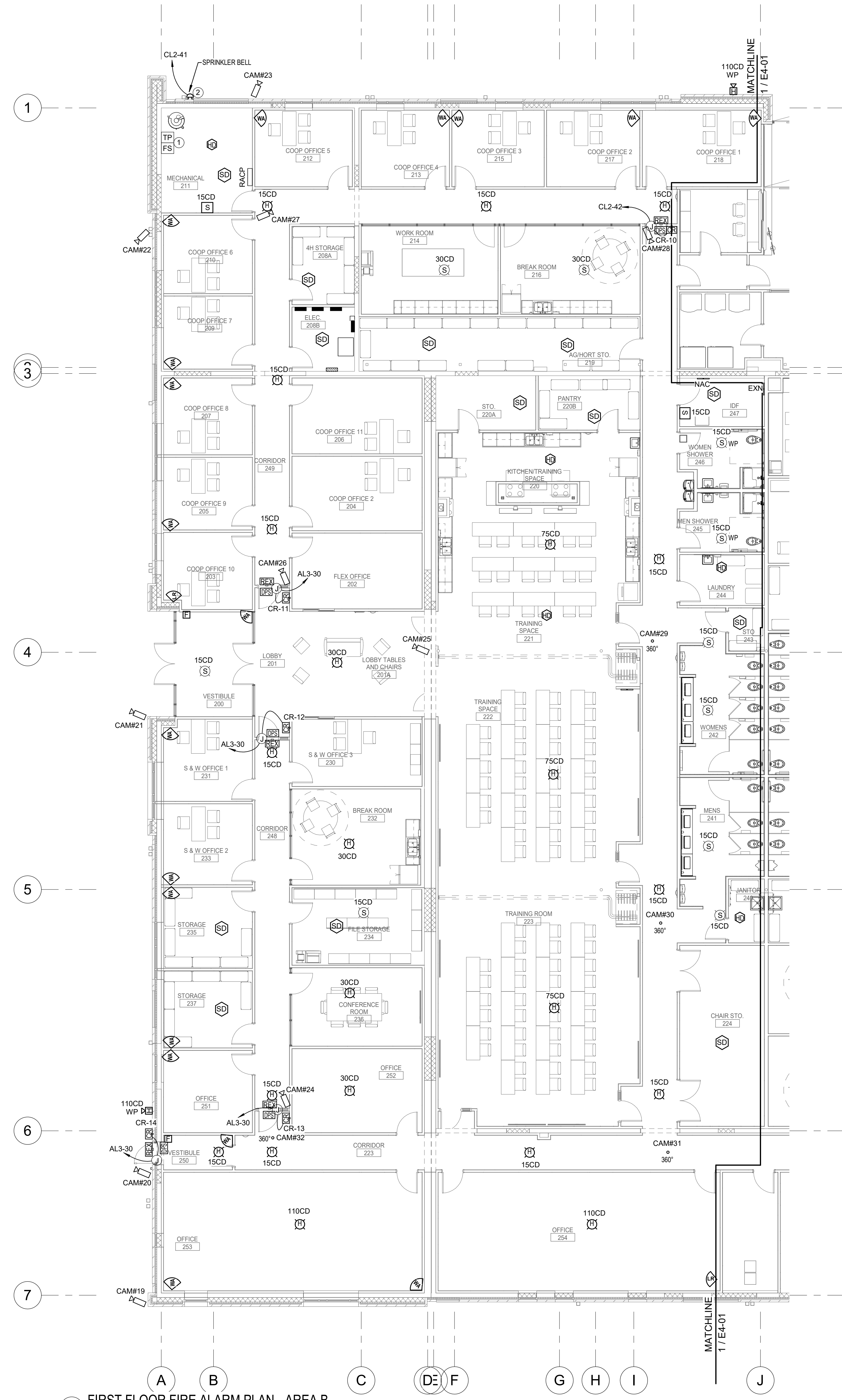
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**FIRE ALARM &
SECURITY PLAN -
AREA A**

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1 FIRST FLOOR FIRE ALARM PLAN - AREA B
1/8" = 1'-0"

- GENERAL NOTES:**
- REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.
 - ALL FIRE ALARM WIRING SHALL BE IN MINIMUM 3/4" CONDUIT.
 - MOUNT EXTERIOR CAMERAS AS DIRECTED BY OWNER/OWNER'S SECURITY CONTRACTOR.
 - ACCESS CONTROLLED DOORS SHALL BE COORDINATED FOR ROUGH-INS AND 120VAC POWER. A PRE-INSTALLATION MEETING SHALL OCCUR PRIOR TO ROUGH-IN.
- KEYNOTES:**
- COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR TAMPER SWITCH AND FLOW SWITCH LOCATIONS AT SPRINKLER RISER PRIOR TO ROUGH-IN. DEVICES SHALL BE WIRED INTO FIRE ALARM SYSTEM.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE SPRINKLER BELL POWER REQUIREMENTS AND WIRE AS REQUIRED.

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**FIRE ALARM &
SECURITY PLAN -
AREA B**

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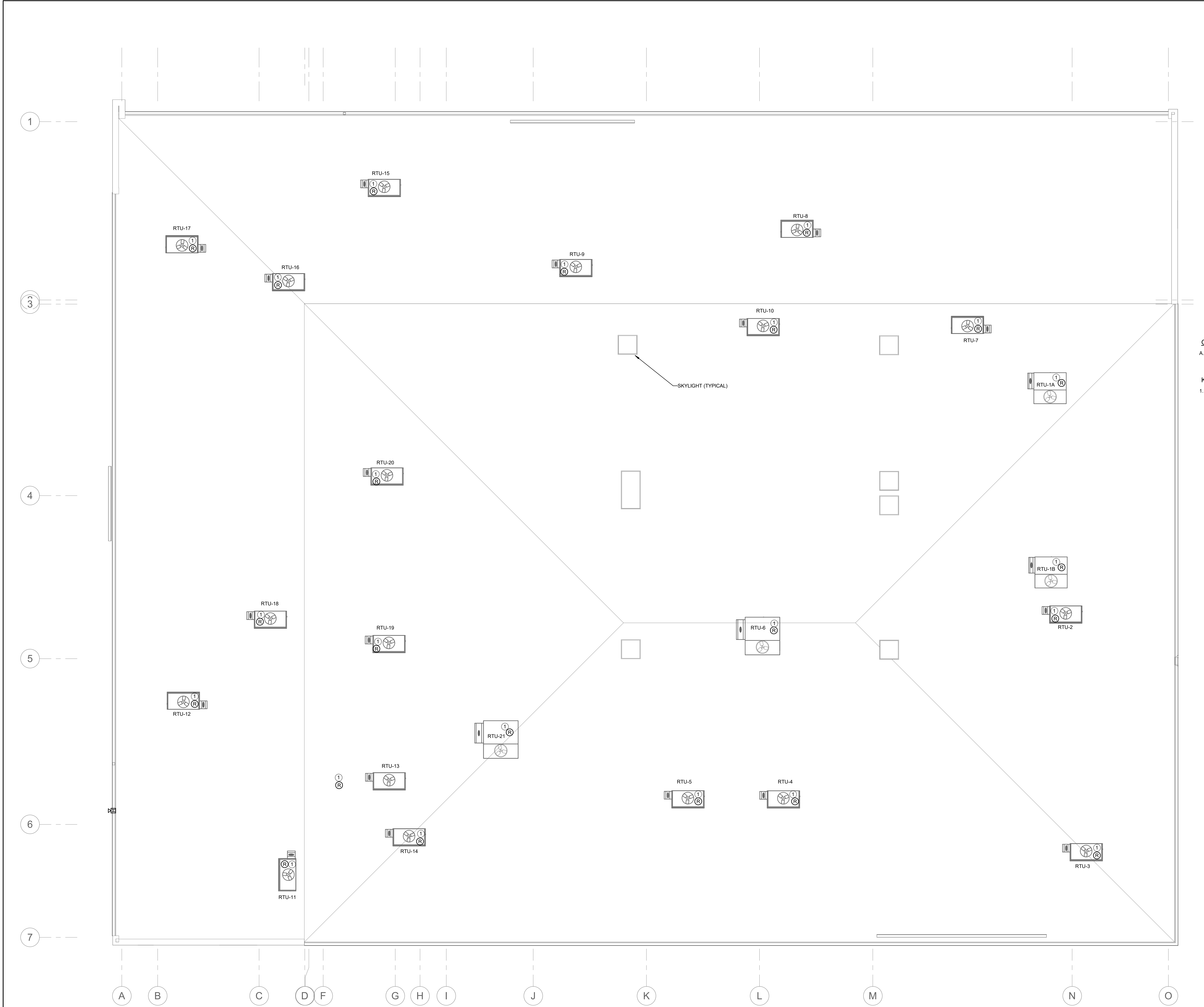
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ID	DATE	DESCRIPTION

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ROOF FIRE ALARM PLAN

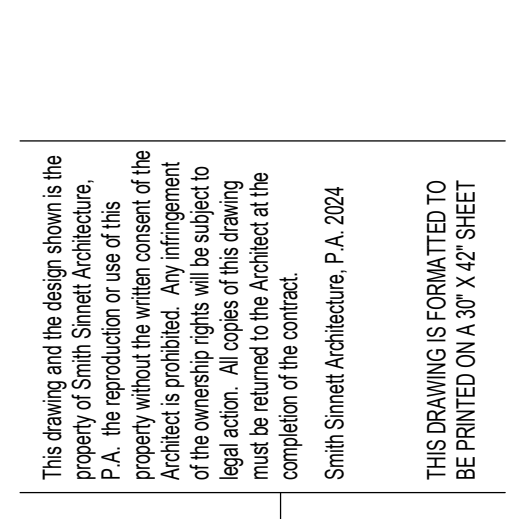


GENERAL NOTES:
A. ALL FIRE ALARM WIRING SHALL BE IN MINIMUM 3/4" CONDUIT.

KEYNOTES:
1. HVAC ROOF TOP UNIT (RTU) FIRE ALARM SHUT DOWN RELAY UNIT SHALL SHUT DOWN UPON FIRE ALARM ACTIVATION.

1 BASE BID ROOF POWER PLAN - AREA B
1/8" = 1'-0"

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10/11/2024

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PANEL BL2: Electrical panel schedule table with columns for CKT, LOAD TYPE, LOAD KVA, DESCRIPTION, PHASE (A, B, C), and various electrical specifications.

MECH/ELEC 107: Mechanical/Electrical summary table for Panel BL2, including load totals and equipment specifications.

PANEL BL3: Electrical panel schedule table for Panel BL3, similar to BL2 but with different equipment and load values.

MECH/ELEC 107: Mechanical/Electrical summary table for Panel BL3.

PANEL CH1: Electrical panel schedule table for Panel CH1, including various receptacles and lighting fixtures.

MECH/ELEC 107: Mechanical/Electrical summary table for Panel CH1.

PANEL CL1: Electrical panel schedule table for Panel CL1, including power risers and various receptacles.

MECH/ELEC 208B: Mechanical/Electrical summary table for Panel CL1.

PANEL CL2: Electrical panel schedule table for Panel CL2, including exterior receptacles and lighting.

MECH/ELEC 208B: Mechanical/Electrical summary table for Panel CL2.

PANEL CL3: Electrical panel schedule table for Panel CL3, including floorbox receptacles and security panels.

MECH/ELEC 208B: Mechanical/Electrical summary table for Panel CL3.

PANEL CL4: Electrical panel schedule table for Panel CL4, including exhaust fans, undercounter lighting, and various receptacles.

MECH/ELEC 208B: Mechanical/Electrical summary table for Panel CL4.

PANEL SBH: Electrical panel schedule table for Panel SBH, including transformer, water heater, and various receptacles.

MECH/ELEC 107: Mechanical/Electrical summary table for Panel SBH.

PANEL SBL: Electrical panel schedule table for Panel SBL, including receptacles, copier, and various lighting fixtures.

MECH/ELEC 107: Mechanical/Electrical summary table for Panel SBL.

DRAWN BY: JPT CHECKED BY: JTB

PANEL SCHEDULES

2021029 16 OCT. 2024

E6-02

ONslow COUNTY SENIOR CENTER LIGHT FIXTURE SCHEDULE								
SYMBOL	SIZE / MOUNTING	VOLT	MANUFACTURER AND MODEL NO.	DESCRIPTION	LAMP	WATTS	MOUNTING HEIGHT	
A	RECESSED CEILING	MVOLT	COLUMBIA LT24-40-ML-G-ED1-U OR APPROVED EQUAL BY LITHONIA OR WILLIAMS	2' X 4' LAY-IN PRISMATIC LED TROFFER, DLC CERTIFIED, 0-10V DIMMING (DIM TO 1%)	LED 4000K 5528 LUMENS 80 CRI	45		
AE	RECESSED CEILING	MVOLT	COLUMBIA LT24-40-ML-G-ED1-U-ELL14 OR APPROVED EQUAL BY LITHONIA OR WILLIAMS	SAME AS TYPE A EXCEPT WITH 1400 LUMEN 90 MINUTE BATTERY BACKUP	LED 4000K 5528 LUMENS 80 CRI	45		
A2	RECESSED CEILING	MVOLT	COLUMBIA LT24-40-ML-G-ED1-U OR APPROVED EQUAL BY LITHONIA OR WILLIAMS	2' X 4' LAY-IN PRISMATIC LED TROFFER, DLC CERTIFIED, 0-10V DIMMING (DIM TO 1%)	LED 4000K 4792 LUMENS 80 CRI	38		
A2E	RECESSED CEILING	MVOLT	COLUMBIA LT24-40-ML-G-ED1-U-ELL14 OR APPROVED EQUAL BY LITHONIA OR WILLIAMS	SAME AS TYPE A2 EXCEPT WITH 1400 LUMEN 90 MINUTE BATTERY BACKUP	LED 4000K 4792 LUMENS 80 CRI	38		
AV	RECESSED CEILING	MVOLT	COLUMBIA MLCAT24-40-ML-G-ED1-U OR APPROVED EQUAL BY LITHONIA OR WILLIAMS	2' X 4' LAY-IN PRISMATIC LED TROFFER, DLC CERTIFIED, 0-10V DIMMING (DIM TO 1%)	LED 4000K 4903 LUMENS 80 CRI	44		
AVE	RECESSED CEILING	MVOLT	COLUMBIA MLCAT24-40-ML-G-ED1-U-ELL14 OR APPROVED EQUAL BY LITHONIA OR WILLIAMS	SAME AS TYPE AV EXCEPT WITH 1400 LUMEN 90 MINUTE BATTERY BACKUP	LED 4000K 4903 LUMENS 80 CRI	44		
C	CHAIN HUNG	MVOLT	WILLIAMS #82-4-L64840-VBY-CHAINS-DRV-UNV-WG-8214-ELL14 APPROVED EQUAL BY LITHONIA OR COLUMBIA	4' INDUSTRIAL LED CHAIN HUNG, WITH WIRE GUARD, 82CRI	LED 4000K 4,600 LUMEN 80 CRI	38	10'-0" AFF.	
CE	CHAIN HUNG	MVOLT	WILLIAMS #82-4-L64840-VBY-CHAINS-DRV-UNV-WG-8214-ELL14 APPROVED EQUAL BY LITHONIA OR COLUMBIA	SAME AS TYPE C EXCEPT WITH 1400 LUMEN 90 MINUTE BATTERY BACKUP	LED 4000K 4,600 LUMEN 80 CRI	38	10'-0" AFF.	
C6	PENDANT	120/277V	GOHAM #EVO6PC-40K-20-AR-LSS-MD-MVOLT-GZ1-JBXC-PCAN-S10-90CRI-COLOR BY ARCHITECT	6" ALUMINUM LED CYLINDER PENDANT FIXTURE, 0-10V DIMMABLE TO 1%, (FOOD SAFE)	LED 3500K 83 CRI	18		
D	RECESSED CEILING	MVOLT	GOHAM #IVOES-D20LW-40K-80CRI-MD-MINI-277-ZT-CP-SF-P-AR-L-S-F OR APPROVED EQUALS: PRESCOLITE OR WILLIAMS	6" OPEN LED SHALLOW DOWNLIGHT, PLENUM RATED WITH 0-10V DIMMING DOWN TO 1%	LED 4000K 2180 LUMENS 80 CRI	18		
DE	RECESSED CEILING	MVOLT	GOHAM #IVOES-D20LW-40K-80CRI-MD-MINI-277-ZT-CP-SF-P-AR-L-S-F OR APPROVED EQUALS: PRESCOLITE OR WILLIAMS	SAME AS TYPE D EXCEPT WITH 6 WATT, 90 MINUTE EMERGENCY BATTERY PACK AND REMOTE TEST SWITCH	LED 4000K 2180 LUMENS 80 CRI	18		
E	RECESSED CEILING	MVOLT	GOHAM #IVOES-D20LW-40K-80CRI-MD-MINI-277-ZT-CP-SF-P-AR-L-S-F OR APPROVED EQUALS: PRESCOLITE OR WILLIAMS	6" OPEN LED SHALLOW DOWNLIGHT, PLENUM RATED WITH 0-10V DIMMING DOWN TO 1%	LED 4000K 1104 LUMENS 80 CRI	10		
FP	ABOVE GROUND	MVOLT	KIM #KFL2-24L-45-4K8-N-UNV-CO-CD-F-HS-JB1 OR EQUAL BY GARDCO OR SIGNIFY	LED FLAG POLE LIGHT, SET BACK DISTANCE FOR FIXTURE PLACEMENT IS 1/3-1/2" THE SIZE OF THE FLAG SQUARE SHIELD. COLOR SELECTED BY ARCHITECT. MOUNT ON ROUND 12" SONOTUBE BASE, 18" DEEP, PROTRUDE 4" ABOVE GRADE. NOTE: FLAG POLE HEIGHT - 30FT, WET LOCATION LISTED	LED 4000K 5000 LUMENS	45		
G	WALL MOUNTED	MVOLT	LITHONIA #WSTLED-P2-40K-VF-MVOLT OR APPROVED EQUAL BY HUBBELL OR PHILLIPS	EXTERIOR LED ARCHITECTURAL WALL SCOCNE (TRAPEZOIDAL SHAPE)	LED 4000K 3400 LUMEN 80 CRI	25		
K	RECESS IN CANOPY	277V	FINELITE #HP4-WL-R-D-8-B-840-F-96-G-277-SC-FC-1%-C2-FE-SW-SF-EQUALS BY CORELITE OR LEDALITE	EXTERIOR RECESS MOUNTED, 8FT LINEAR LED, WET LABEL LISTED / IP65 RATED FIXTURE	LED 4000K 2928 LUMENS 80 CRI	29		
K2	RECESS IN CANOPY	277V	FINELITE #HP4-WL-R-D-8-B-840-F-96-G-277-SC-FC-1%-C2-FE-SW-SF-EQUALS BY CORELITE OR LEDALITE	EXTERIOR RECESS MOUNTED, 8FT LINEAR LED, WET LABEL LISTED / IP65 RATED FIXTURE	LED 4000K 3058 LUMENS 80 CRI	37		
L4	RECESSED CEILING	277V	FINELITE #HP4-R-D-4-B-840-F-96-G-277-SC-FC-1%-C2-FE-SW-SF-EQUALS BY PINNACLE OR LEDALITE	4FT, LED, DIRECT, HIGH PERFORMANCE 4" APERTURE RECESSED LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%, SPACKLED FLANGE	LED 4000K 1916 LUMENS 80 CRI	20		
L4E	RECESSED CEILING	MVOLT	FINELITE #HP4-R-D-4-B-840-F-96-G-277-SC-FC-1%-C2-FE-SW-SF-EQUALS BY PINNACLE OR LEDALITE	SAME AS TYPE L4 EXCEPT WITH 18 WATT (1854 LUMEN) / 90 MINUTE EMERGENCY BATTERY PACK AND REMOTE TEST SWITCH, SPACKLED FLANGE	LED 4000K 1916 LUMENS 80 CRI	20		
L42	RECESSED CEILING	MVOLT	FINELITE #HP4-R-D-4-B-840-F-96-G-277-SC-FC-1%-C2-FE-SW-SF-EQUALS BY PINNACLE OR LEDALITE	4FT, LED, DIRECT, HIGH PERFORMANCE 2" APERTURE RECESSED LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%, SPACKLED FLANGE	LED 4000K 1684 LUMENS 80 CRI	20		
L46	RECESSED CEILING	MVOLT	FINELITE #HP6-R-D-4-B-840-F-96-G-277-SC-FC-1%-C2-FE-SW-SF-EQUALS BY PINNACLE OR LEDALITE	4FT, LED, DIRECT, HIGH PERFORMANCE 6" APERTURE RECESSED LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%, SPACKLED FLANGE	LED 4000K 1916 LUMENS 80 CRI	20		
L52	RECESSED CEILING	MVOLT	FINELITE #HP2-R-D-5-B-840-F-96-G-277-SC-FC-1%-C2-FE-SW-SF-EQUALS BY PINNACLE OR LEDALITE	5FT, LED, DIRECT, HIGH PERFORMANCE 2" APERTURE RECESSED LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%, SPACKLED FLANGE	LED 4000K 2105 LUMENS 80 CRI	25		
L12	RECESSED CEILING	277V	FINELITE #HP4-R-D-12-B-840-F-96-G-277-SC-FC-1%-C2-FE-SW-SF-EQUALS BY PINNACLE OR LEDALITE	12FT, LED, DIRECT, HIGH PERFORMANCE 4" APERTURE RECESSED LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%, SPACKLED FLANGE	LED 4000K 5748 LUMENS 80 CRI	60		
M5	ABOVE GROUND	MVOLT	KIM #4338P70-24L-45-4K8-N-UNV-CO-CD-F-HS-JB1 OR EQUALS BY GARDCO OR SIGNIFY	LINEAR LIGHT FOR WALL SIGN LIGHTING, ONE PIECE ALUMINUM WITH DIE CAST ALUMINUM ENDS, SEMI-DIFFUSED FLAT ACRYLIC, FULLY ACRYLIC LENS, WET LOCATION, 407C DRIVER FIXTURE IS SPECIFIED BLACK-CONFIRM WITH ARCHITECT. MOUNT ON ROUND 12" SONOTUBE BASE, 18" DEEP, PROTRUDE 4" ABOVE GRADE.	LED 4000K 3,450 LUMEN	56		
P4	SUSPENDED	277V	FINELITE #HP4-P-ID-4-B-840-F-96-G-277-SC-FC-1%-FA100-FE-SW-EQUALS BY PINNACLE OR LEDALITE	4FT, LED HIGH PERFORMANCE DIRECT/INDIRECT 4" APERTURE PENDANT LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%	LED 4000K 3404 LUMENS 80 CRI	28		
P4E	SUSPENDED	277V	FINELITE #HP4-P-ID-4-B-840-F-96-G-277-SC-FC-1%-FA100-FE-SW-EQUALS BY PINNACLE OR LEDALITE	SAME AS TYPE P4 EXCEPT WITH 18 WATT (1854 LUMEN) / 90 MINUTE BATTERY BACKUP	LED 4000K 3404 LUMENS 80 CRI	28		
P8	SUSPENDED	277V	FINELITE #HP4-P-ID-8-B-840-F-96-G-277-SC-FC-1%-FA100-FE-SW-EQUALS BY PINNACLE OR LEDALITE	8FT, LED HIGH PERFORMANCE DIRECT/INDIRECT 4" APERTURE PENDANT LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%	LED 4000K 3938 LUMENS 80 CRI	48		
P8E	SUSPENDED	277V	FINELITE #HP4-P-ID-8-B-840-F-96-G-277-SC-FC-1%-FA100-FE-SW-EQUALS BY PINNACLE OR LEDALITE	SAME AS TYPE P8 EXCEPT WITH (2) 18 WATT (1854 LUMEN / 2' SECTION) / 90 MINUTE BATTERY BACKUP	LED 4000K 3938 LUMENS 80 CRI	48		
P12	SUSPENDED	277V	FINELITE #HP4-P-ID-12-B-840-F-96-G-277-SC-FC-1%-FA100-FE-SW-EQUALS BY PINNACLE OR LEDALITE	12FT, LED HIGH PERFORMANCE DIRECT/INDIRECT 4" APERTURE PENDANT LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%	LED 4000K 5907 LUMENS 80 CRI	84		
P22	SUSPENDED	277V	FINELITE #HP2-P-ID-2-B-840-F-96-G-277-SC-FC-1%-FA100-FE-SW-EQUALS BY PINNACLE OR LEDALITE	2FT, LED HIGH PERFORMANCE DIRECT/INDIRECT 2" APERTURE PENDANT LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%	LED 4000K 1702 LUMENS 80 CRI	14		
P42	SUSPENDED	277V	FINELITE #HP2-P-ID-4-B-840-F-96-G-277-SC-FC-1%-FA100-FE-SW-EQUALS BY PINNACLE OR LEDALITE	4FT, LED HIGH PERFORMANCE DIRECT/INDIRECT 2" APERTURE PENDANT LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%	LED 4000K 3404 LUMENS 80 CRI	28		
P42E	SUSPENDED	277V	FINELITE #HP2-P-ID-4-B-840-F-96-G-277-SC-FC-1%-FA100-FE-SW-EQUALS BY PINNACLE OR LEDALITE	SAME AS TYPE P42 EXCEPT WITH 18 WATT (1854 LUMEN) / 90 MINUTE BATTERY BACKUP	LED 4000K 3404 LUMENS 80 CRI	28		
P62	SUSPENDED	277V	FINELITE #HP2-P-ID-6-B-840-F-96-G-277-SC-FC-1%-FA100-FE-SW-EQUALS BY PINNACLE OR LEDALITE	6FT, LED HIGH PERFORMANCE DIRECT/INDIRECT 2" APERTURE PENDANT LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%	LED 4000K 2954 LUMENS 80 CRI	42		
P82	SUSPENDED	277V	FINELITE #HP2-P-ID-8-B-840-F-96-G-277-SC-FC-1%-FA100-FE-SW-EQUALS BY PINNACLE OR LEDALITE	8FT, LED HIGH PERFORMANCE DIRECT/INDIRECT 2" APERTURE PENDANT LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%	LED 4000K 3938 LUMENS 80 CRI	56		
Q	RECESSED	277V	FINELITE #HP2-R-D-XX-B-840-F-96-G-277-SC-FC-10%-SF-FE-SW OR EQUAL BY MARK OR FOCAL POINT	2" WIDE APERTURE RECESSED SOFFIT LIGHT, SPACKLE FLANGE, LENGTH PER PLANS	LED 4000K 481 LUMENS/FT 80 CRI		4.4W / FT	
S	RECESSED	277V	PRESCOLITE #LTR-IRD-HSL10L-DM1-LTR-GRD-T-SHSL40K-WT-AML-AM OR EQUAL BY GOTHAM OR HE WILLIAMS	6" ROUND LED NON-CONDUCTIVE SHOWER DOWNLIGHT	LED 4000K 668 LUMENS 80 CRI	12		
UC	UNDERCOUNTER SURFACE MTD	120V	HALO #HU11-09-S-P EQUALS: ALKCO OR LITHONIA	9" LENGTH, LED LOW PROFILE UNDERCOUNTER FIXTURE, HARDWIRED, DIMMABLE, COLOR SELECTABLE WITH ROCKER SWITCH, PROVIDE COMPATIBLE DIMMER SWITCH. EC SHALL REVERIFY CABINET WIDTH PRIOR TO PURCHASE.	LED 3000K 300 LUMENS 90 CRI	4.5		
UC1	UNDERCOUNTER SURFACE MTD	120V	HALO #HU11-18-S-P EQUALS: ALKCO OR LITHONIA	18" LENGTH, LED LOW PROFILE UNDERCOUNTER FIXTURE, HARDWIRED, DIMMABLE, COLOR SELECTABLE WITH ROCKER SWITCH, PROVIDE COMPATIBLE DIMMER SWITCH. EC SHALL REVERIFY CABINET WIDTH PRIOR TO PURCHASE.	LED 3000K 560 LUMENS 90 CRI	8		
UC2	UNDERCOUNTER SURFACE MTD	120V	HALO #HU11-24-S-P EQUALS: ALKCO OR LITHONIA	24" LENGTH, LED LOW PROFILE UNDERCOUNTER FIXTURE, HARDWIRED, DIMMABLE, COLOR SELECTABLE WITH ROCKER SWITCH, PROVIDE COMPATIBLE DIMMER SWITCH. EC SHALL REVERIFY CABINET WIDTH PRIOR TO PURCHASE.	LED 3000K 786 LUMENS 90 CRI	11		
UC3	UNDERCOUNTER SURFACE MTD	120V	HALO #HU11-36-S-P	LED LOW PROFILE UNDERCOUNTER FIXTURE, HARDWIRED, DIMMABLE, COLOR SELECTABLE WITH ROCKER SWITCH, PROVIDE COMPATIBLE DIMMER SWITCH. EC SHALL REVERIFY CABINET WIDTH PRIOR TO PURCHASE.	LED 3000K 1125 LUMENS 90 CRI	15.5		
WE	WALL MOUNTED	MVOLT	GARDCO #GBM-A07-540-T4M-UNV-FAWS-EM ARCH TO SELECT EQUALS BY LITHONIA OR HUBBELL	MEDIUM BLOCK LED GEOFORM DECORATIVE WALL SCOCNE WITH 90 MINUTE BATTERY BACKUP	LED 4000K 3014 LUMENS 80 CRI	23		
WW4	WALL MOUNTED	MVOLT	FINELITE #HP4-WM-ID-4-S-840-F-96-G-277-SC-FC-1%-MB-FE-SW-EQUALS BY PINNACLE OR LEDALITE	4FT, LED HIGH PERFORMANCE DIRECT/INDIRECT 4" APERTURE WALL MOUNT LINEAR, DLC CERTIFIED, 0-10V DIMMING TO 1%	LED 4000K 3404 LUMENS 80 CRI	28		
X1	UNIVERSAL MOUNT	MVOLT	EMERIGLITE #DXN-1-R-N APPROVED EQUALS BY DUALITE, LITHONIA	SINGLE FACE LED EXT SIGNAGE 120/277V, WITH 90 MINUTE BATTERY BACKUP	LED	5	6" ABOVE DOOR FRAME	
X2	UNIVERSAL MOUNT	MVOLT	EMERIGLITE #DXN-2-R-N APPROVED EQUALS BY DUALITE, LITHONIA	DOUBLE FACE LED EXT SIGNAGE 120/277V, WITH 90 MINUTE BATTERY BACKUP	LED	10	6" ABOVE DOOR FRAME	

NOTES:
1. ALL FIXTURE COLORS AND FINISHES SHALL BE SELECTED BY ARCHITECT.
2. ALL LED FIXTURES SHALL HAVE MINIMUM 10KA SURGE PROTECTION.
3. ALL MOUNTING HARDWARE, AIRCRAFT CABLE, ETC. SHALL BE PROVIDED/INSTALLED FOR A COMPLETE INSTALLATION.

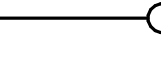





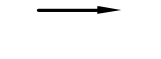
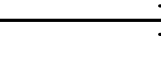





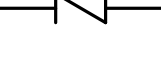
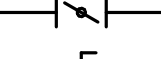
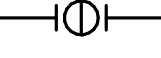


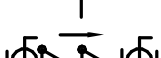
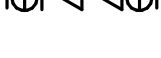
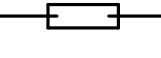

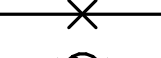




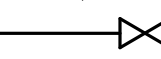




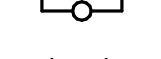







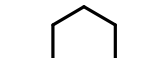
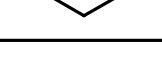
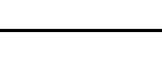
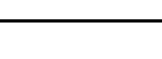
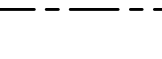


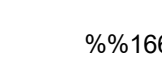
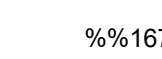
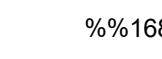
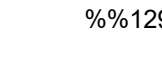


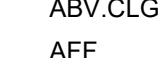


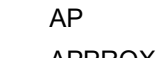
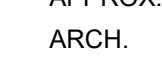
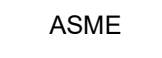


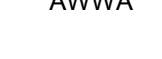



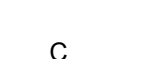

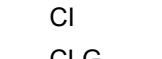
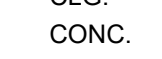



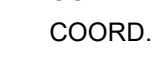
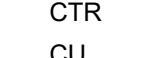
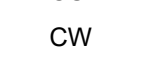







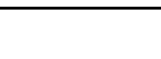











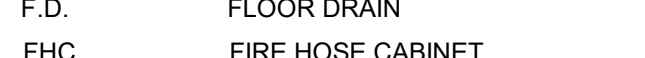
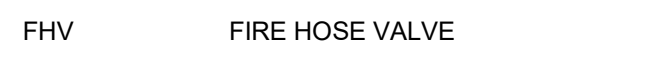
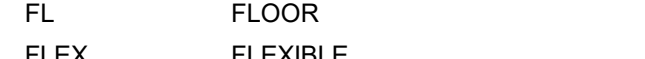
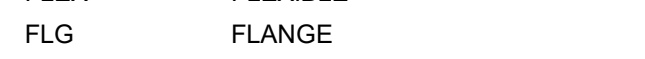

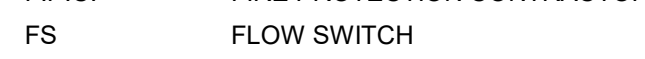
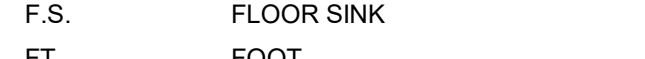
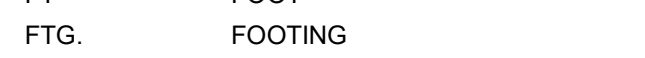



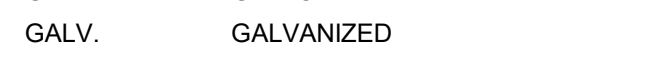


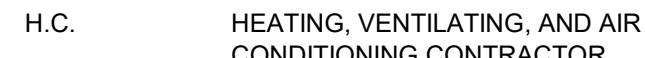
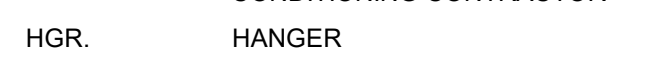
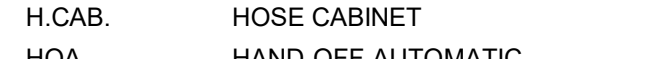
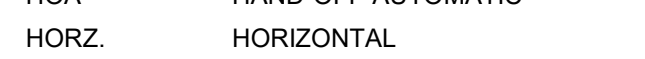
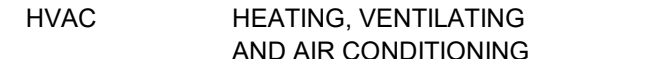






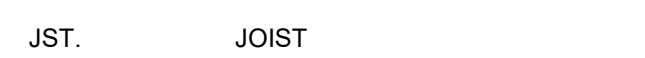

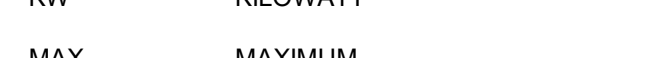
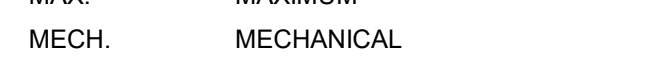
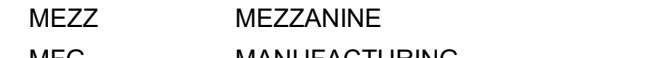
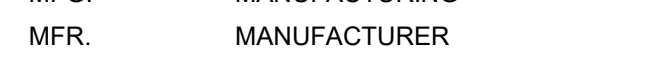
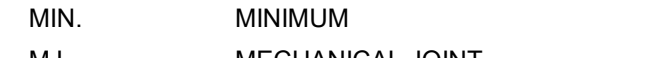
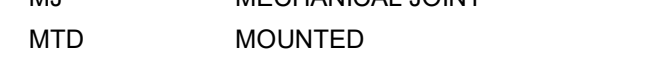


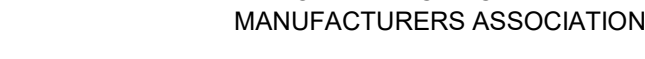

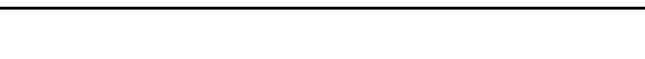







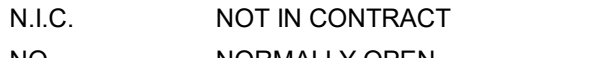
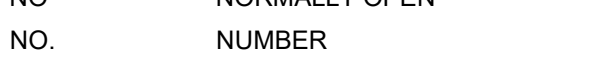
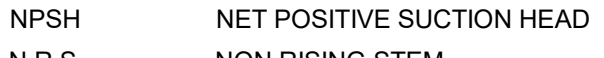
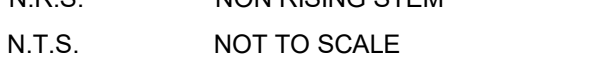

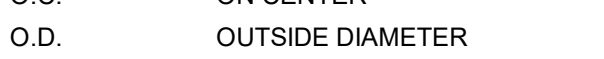
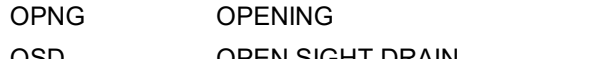
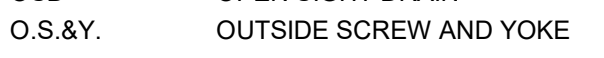

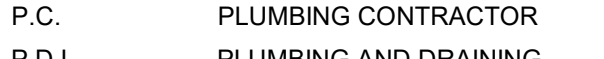
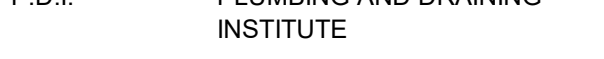
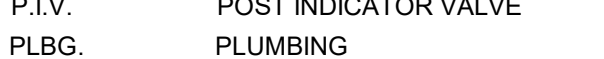
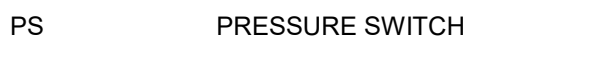




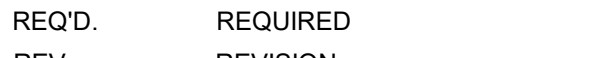
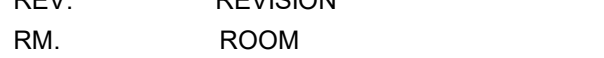
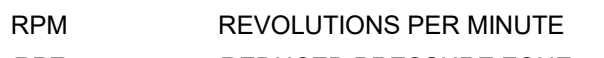
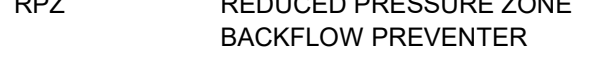
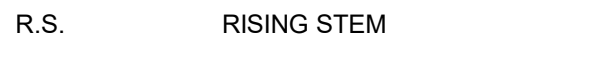

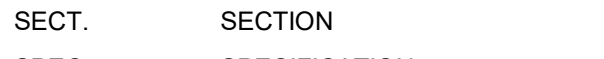
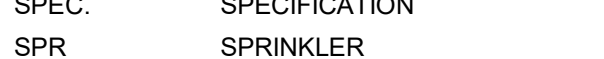

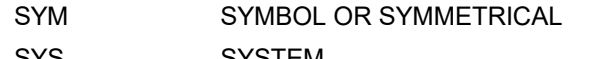
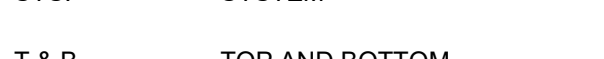
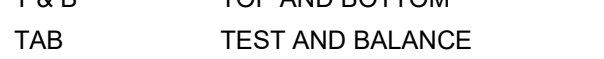
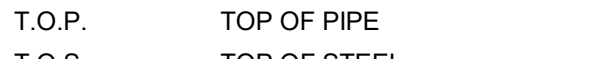
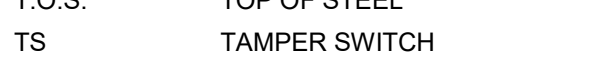


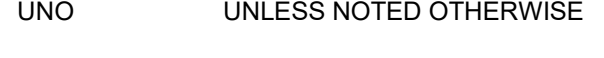
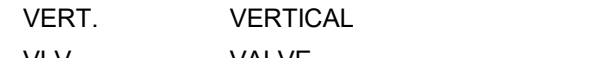
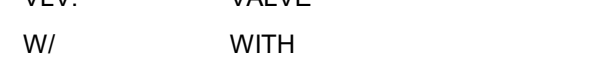








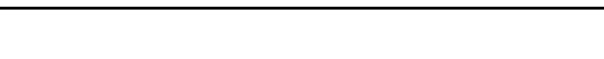
EXISTING PANEL 1M																				
CKT	LOAD TYPE	LOAD KVA	DESCRIPTION	C	PH	N	G	CB	PHASE			CB	PH	N	G	C	DESCRIPTION	LOAD KVA	LOAD TYPE	CKT
									A	B	C									
1	O		CHILLER CONTROLS (NOTE 2)						20	0.000							EXISTING			O 2
3	O		SPACE														EXISTING (NOTE 1)			O 4
5	O		BOILER (NOTE 2)						20		0.000						EXISTING			O 6
7	R		RECEPTACLES						20	0.000							EXISTING			O 8
9	R		RECEPTACLES						20		0.000						EXISTING			O 10
11	O		SPARE									20					EXISTING			O 12
13	O		WELL CONTROL						20	0.000							EXISTING			O 14
15	O		SPARE									20					EXISTING			O 16
17	O		SUV SHORELINE						20		0.000						EXISTING			O 18
19	O		PANEL M2						60	0.000							EXISTING			O 20
21	O		SPACE														EXISTING			O 22
23	O		SPACE														EXISTING			O 24
25	O		SPACE														EXISTING			O 26
27	O		SPACE														EXISTING			O 28
29	O		SPACE														EXISTING			O 30
31	O		SPACE														EXISTING			O 32
33	O		SPACE														EXISTING			O 34
35	O		SPACE														EXISTING			O 36
LOAD TOTAL:									0.00	0.00	0.00									
LOAD TYPE:									CONNECTED			DEMAND								
208Y/120 V									3 PHASE			4 WIRE			FED FROM: TRANSFORMER TM					
MAINS: MCB									100 A MCB			(R) RECEPTACLES			MOUNT: SURFACE					
10000 AIC									SE LABEL			(M) MOTOR			NEMA: 1					
												(H) HVAC			MFG/MODEL#: SQUARE-DINQDD					
												(L) LIGHTING								
												(O) OTHER								
												(K) KITCHEN EQUIP								
									TOTAL			0.00			0% 0.00					

NOTES:
1. DISCONNECT AND SPARE EXISTING 40A/3P BREAKER. REMOVE ALL EXISTING CONDUIT AND WIRING AS APPLICABLE.
2. REMOVE EXISTING LOAD, CONDUIT AND WIRING AND SPARE BREAKER.
3.
4.

PANEL TOTALS			
PHASE A	0.000	KVA	0.0 AMP
PHASE B	0.000	KVA	0.0 AMP
PHASE C	0.000	KVA	0.0 AMP

EXISTING PANEL M																				
CKT	LOAD TYPE	LOAD KVA	DESCRIPTION	C	PH	N	G	CB	PHASE			CB	PH	N	G	C	DESCRIPTION	LOAD KVA	LOAD TYPE	CKT
									A	B	C									
1	M		CHILLER (100 TON) (NOTE 1)						250	0.000							EXISTING			O 2
3	M		SPACE														EXISTING			O 4
5	M		SPACE														EXISTING			O 6
7	O		SPACE						20	0.000							EXISTING			O 8
9	O		SPACE						20		0.000						EXISTING			O 10
11	O		SPACE									20					EXISTING			O 12
13	M		BOILER (NOTE 1)						20	0.000							EXISTING			M 14
15	M		PUMP P-1 (NOTE 1)						20		0.000						EXISTING			M 16
17																				

FIRE PROTECTION SYMBOLS AND ABBREVIATIONS

 PIPE TURNING UP  PIPE TURNING DOWN  TEE DOWN  TEE UP  45% 1/2 OFFSET  DIRECTION OF FLOW IN PIPE  PIPE SLOPED IN DIRECTION OF ARROW  PIPE CAP  CONCENTRIC REDUCER  ECCENTRIC REDUCER  PIPE UNION  GATE VALVE  GLOBE VALVE  CHECK VALVE  BUTTERFLY VALVE  BALL VALVE  PRESSURE REDUCING VALVE  SAFETY RELIEF VALVE  BACKFLOW PREVENTER ASSEMBLY (TYPE INDICATED)  EXPANSION JOINT  ALIGNMENT GUIDE  PIPE ANCHOR  ALARM CHECK VALVE  DRY PIPE VALVE WITH EXHAUSTER OR ACCELERATOR  DELUGE VALVE  PREACTION VALVE  HOSE END VALVE  TAMPER SWITCH (SHOWN ON VALVE)  FLOW SWITCH  DOUBLE DETECTOR CHECK VALVE  ANGLE VALVE (ELEVATION VIEW)  ANGLE VALVE (PLAN VIEW)  FIRE HYDRANT WITH OS&Y VALVE IN ROADWAY BOX  SIAMESE CONN., FIRE DEPT. CONN., FIRE PUMP TEST HEADER  HOSE TEST HEADER  ELECTRIC GONG ASSEMBLY  FIRE HOSE CABINET	 PLUGGED TEE  HYDRAULIC CALCULATION NODE (STANDPIPE SYSTEM)  HYDRAULIC CALCULATION NODE (SPRINKLER SYSTEM)  HYDRAULIC CALCULATION NODE (SPRINKLER SYSTEM; PHASE FOUR)  EXISTING PIPE TO REMAIN  EXISTING PIPE TO BE REMOVED  NEW PIPE  ONE HOUR RATED SMOKE PARTITION  TWO HOUR RATED PARTITION  TWO HOUR RATED PARTITION  PHASE LINE  CENTER LINE  PLATE  ANGLE  ROUND, DIAMETER OR PHASE  POUNDS OR NUMBER  A COMPRESSED AIR  ABV. CLG. ABOVE CEILING  AFF ABOVE FINISHED FLOOR  AFG ABOVE FINISHED GRADE  ANSI AMERICAN NATIONAL STANDARD ASSOCIATION  AP ACCESS PANEL  APPROX. APPROXIMATE  ARCH. ARCHITECTURAL  ASME AMERICAN SOCIETY OF MECHANICAL ENGINEERS  ASV AUTOMATIC SPRINKLER VALVE  AUTO AUTOMATIC  AWWA AMERICAN WATER WORKS ASSOCIATION  BFP BACKFLOW PREVENTER  BHP BRAKE HORSEPOWER  BOP BOTTOM OF PIPE  C CELSIUS  C/C CENTER TO CENTER  CI CAST IRON  CLG. CEILING  CONC. CONCRETE  CONFIG. CONFIGURATION  CONN. CONNECTION  CONT. CONTINUATION  CONST. CONSTRUCTION  CONTR. CONTRACTOR  COORD. COORDINATE  CTR CENTER  CU COPPER  CW COLD WATER OR CITY WATER  D.I. DUCTILE IRON  DIA. DIAMETER  DN. DOWN  DWG. DRAWING	 E.C. ELECTRICAL CONTRACTOR  ECC ECCENTRIC  EJ EXPANSION JOINT  EL ELEVATION  ELEC. EQUIP. ELECTRICAL EQUIPMENT  EQ. EQUAL  EQUIV. EXIST. EQUIVALENT EXISTING  F FAHRENHEIT  FACP FIRE ALARM CONTROL PANEL  F.D. FLOOR DRAIN  FHC FIRE HOSE CABINET  FHV FIRE HOSE VALVE  FL FLOOR  FLEX FLEXIBLE  FLG FLANGE  FP FIRE PROTECTION  F.P.C. FIRE PROTECTION CONTRACTOR  FS FLOW SWITCH  F.S. FLOOR SINK  FT FOOT  FTG. FOOTING  GA. GAGE  GAL. GALLONS  GALV. GALVANIZED  G.C. GENERAL CONTRACTOR  GPM GALLONS PER MINUTE  H.C. HEATING, VENTILATING, AND AIR CONDITIONING CONTRACTOR  HGR. HANGER  H.CAB. HOSE CABINET  HOA HAND-OFF-AUTOMATIC  HORZ. HORIZONTAL  HVAC HEATING, VENTILATING AND AIR CONDITIONING  HWR HEATING WATER RETURN  HWS HEATING WATER SUPPLY  HYD. HYDRANT  I.D. INSIDE DIAMETER  ID INDIRECT DRAIN  IN. INCH  IW INDIRECT WASTE  JST. JOIST  KW KILOWATT  MAX. MAXIMUM  MECH. MECHANICAL  MEZZ. MEZZANINE  MFG. MANUFACTURING  MFR. MANUFACTURER  MIN. MINIMUM  MJ MECHANICAL JOINT  MTD MOUNTED  NC NORMALLY CLOSED  NEC NATIONAL ELECTRIC CODE  NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	 NFPA NATIONAL FIRE PROTECTION ASSOCIATION  N.I.C. NOT IN CONTRACT  NO NORMALLY OPEN  NO. NUMBER  NPSH NET POSITIVE SUCTION HEAD  N.R.S. NOT RISING STEM  N.T.S. NOT TO SCALE  O.C. ON CENTER  O.D. OUTSIDE DIAMETER  OPNG OPENING  OSD OPEN SIGHT DRAIN  O.S.&Y. OUTSIDE SCREW AND YOKE  P PUMP  P.C. PLUMBING CONTRACTOR  P.D.I. PLUMBING AND DRAINING INSTITUTE  P.I.V. POST INDICATOR VALVE  PLBG. PLUMBING  PS PRESSURE SWITCH  PSI POUNDS PER SQUARE INCH  PSIG POUNDS PER SQUARE INCH GAUGE  QTY. QUANTITY  REINF. REINFORCING  REQD. REQUIRED  REV. REVISION  RM. ROOM  RPM REVOLUTIONS PER MINUTE  RPZ REDUCED PRESSURE ZONE BACKFLOW PREVENTER  R.S. RISING STEM  SCH. SCHEDULE  SECT. SECTION  SPEC. SPECIFICATION  SPR. SPRINKLER  STA. STATION  SYM. SYMBOL OR SYMMETRICAL SYSTEM  T & B TOP AND BOTTOM  TAB TEST AND BALANCE  T.O.P. TOP OF PIPE  T.O.S. TOP OF STEEL  TS TAMPER SWITCH  TYP. TYPICAL  UL UNDERWRITERS LABORATORIES  UNO UNLESS NOTED OTHERWISE  VERT. VERTICAL  VLV. VALVE  W/ WITH  W/O WITHOUT
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SCOPE OF WORK

- A. A COMPLETE RENOVATION OF THE EXISTING BUILDING FOR THE NEW SENIOR SERVICES CENTER IN ONSLAW COUNTY. REMOVE EXISTING SPRINKLER SYSTEM IN ITS ENTIRETY BACK TO EXISTING SERVICE ENTRANCE FLANGE. ALL NEW SPRINKLER PIPING, SPRINKLER HEADS AND SPRINKLER RISER INCLUDING NEW FLOW SWITCH AND TAMPER SWITCH. SCOPE TO INCLUDE RELOCATION OF FIRE DEPARTMENT CONNECTION TO NEW LOCATION ON SITE PER CIVIL DRAWINGS. NO FIRE PUMP IS REQUIRED BASED ON EXISTING FIRE PROTECTION SYSTEM. NO CHANGE IN CURRENT SQUARE FOOTAGE OF COVERAGE.
- B. THIS BUILDING'S SINGLE TAP OFF OF THE SITE WATER LOOP IS PROTECTED BY AN EXISTING BACKFLOW PREVENTION DEVICE. THE EXISTING RISER IS TO REMAIN. VERIFY 100% OPERATIONAL AND FLOW MEETS NEW BUILDING LAYOUT.
- C. PROVIDE FULL SYSTEM SPRINKLER DRAWINGS, PRODUCT DATA, AND FULL HYDRAULIC ANALYSIS (CALCULATIONS) STAMPED AND SIGNED BY NICET LEVEL III INDIVIDUAL.
- D. PROVIDE FULL SPRINKLER SYSTEM FOR NEW STRUCTURE PER THE STATE'S LATEST ACCEPTED VERSION OF NFPA 13.
- E. COORDINATE AND VERIFY ALL PROPOSED WORK WITH THE GENERAL CONTRACTOR, SITE UTILITIES CONTRACTOR, AND LOCAL AHJ AND/OR FIRE MARSHALL PRIOR TO START OF WORK.

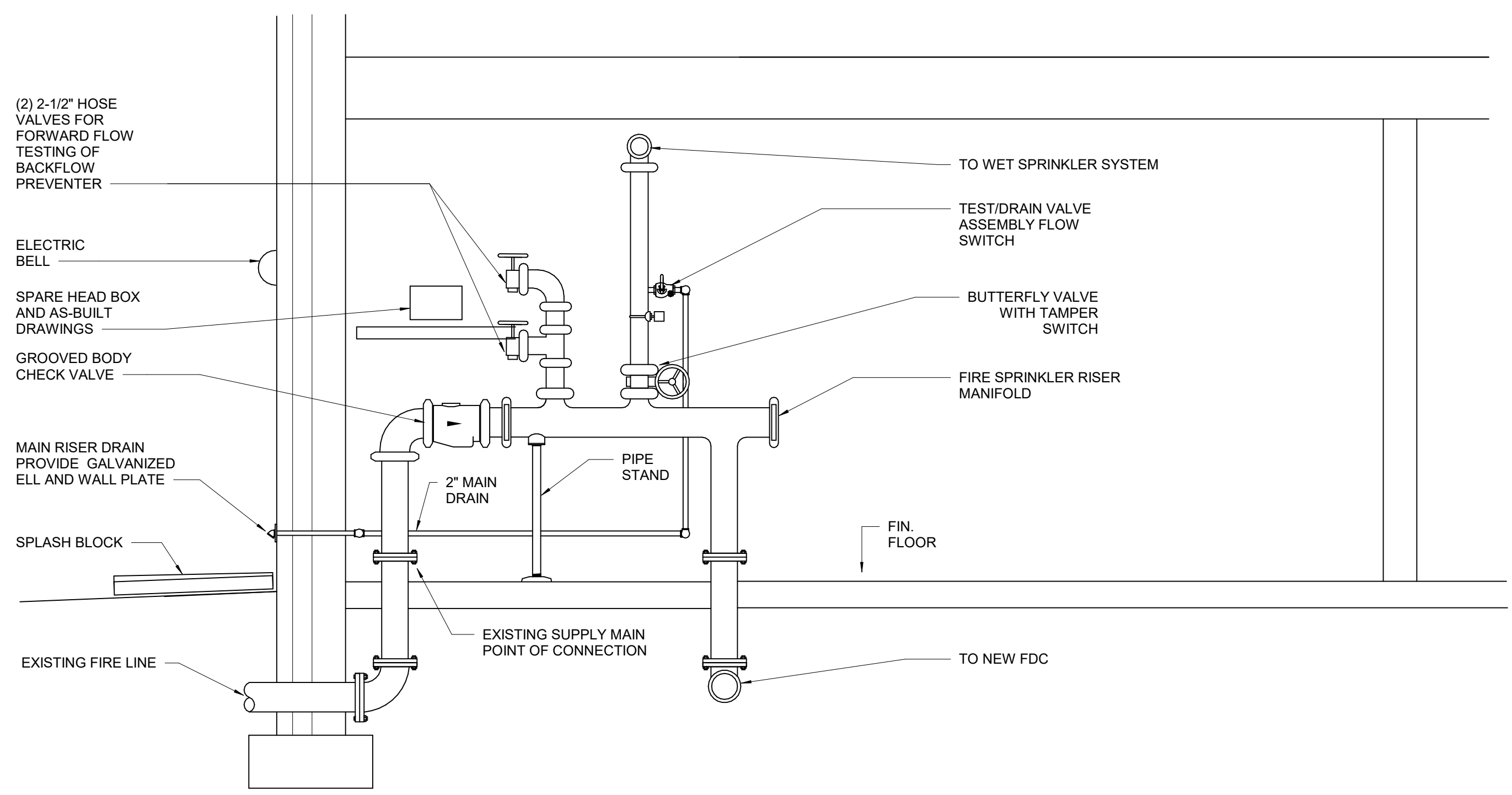
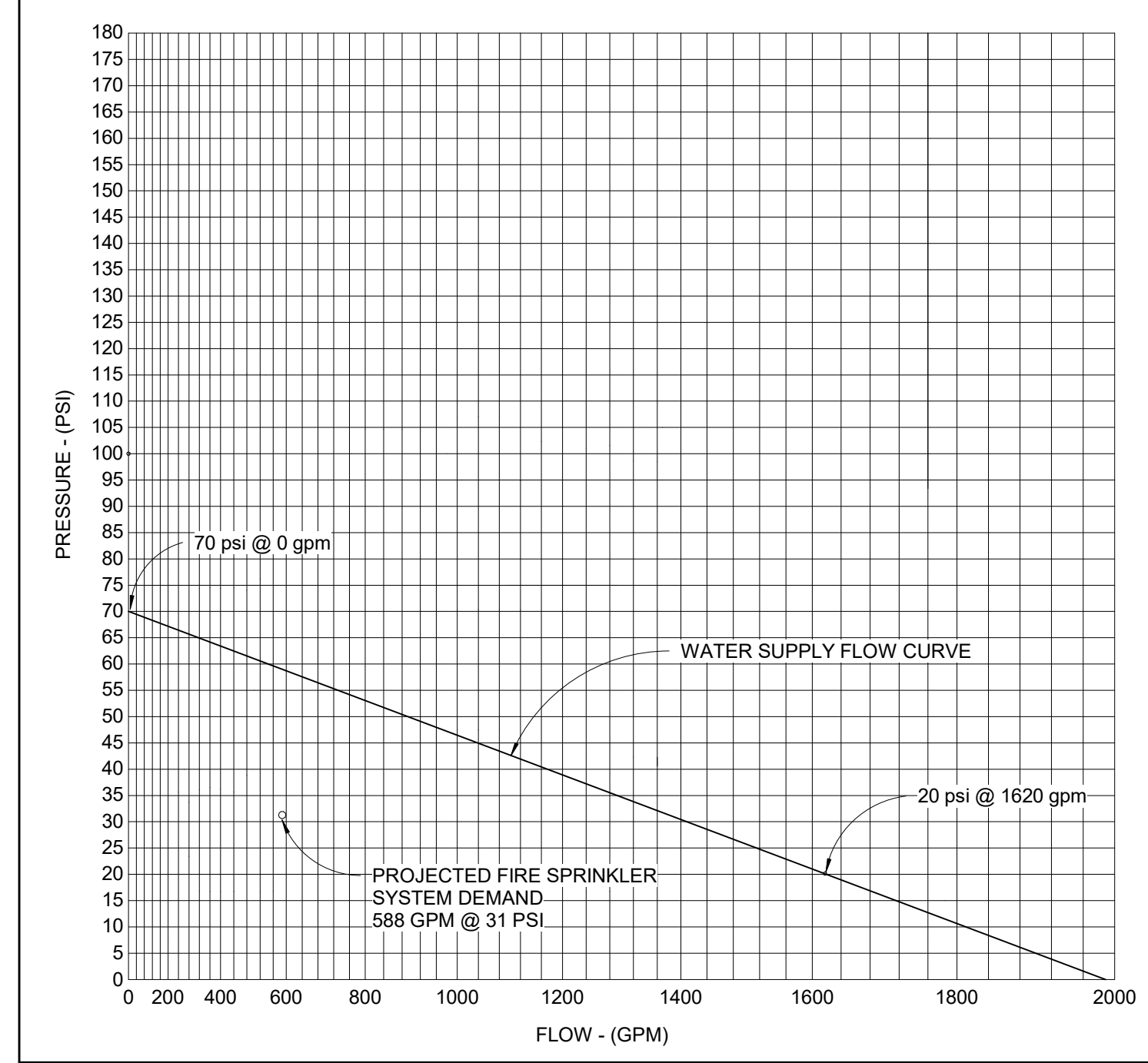
WATER SUPPLY INFORMATION

FLOW TEST BY:	BFPE INTERNATIONAL	PRESSURE HYD.:	N/A	FLOW HYDRANT:	N/A
HYDRANT ELEV.:	FLAT	STATIC:	70 PSI	PITOT PRESSURE:	2 1/2"
DATE/TIME:	07/11/2024 - 9:00AM	RESIDUAL:	46 PSI	FLOW:	1,025 GPM
WATER MAIN SIZE:	6"				

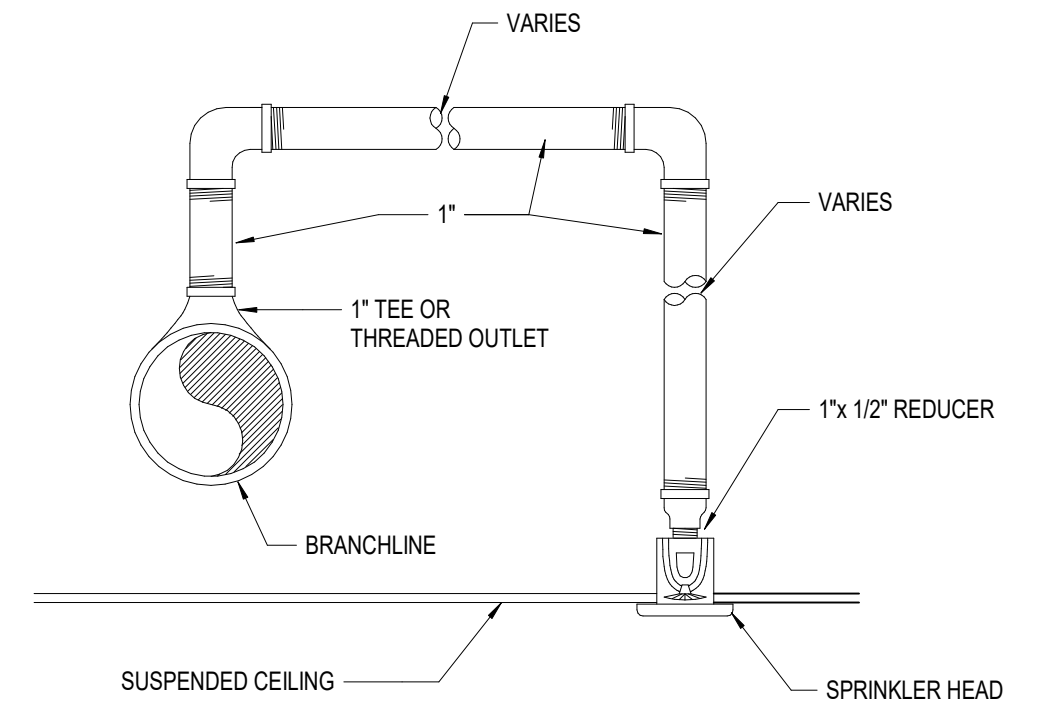
PRELIMINARY HYDRAULIC ANALYSIS

1. WATER FLOW QUANTITY:	
(A) DENSITY * DESIGN AREA * 150% (1.5*1500*150%)	338 GPM
(B) INSTANTANEOUS STREAM DEMAND	250 GPM
(C) OTHER	0 GPM
TOTAL WATER DEMAND:	588 GPM
2. WATER PRESSURE:	
(A) END HEAD PRESSURE	12 PSI
[DENSITY * (AREA/HEAD / K-FACTOR)] ² [1.5*130*5.6] ² MINIMUM 7 PSI. K-FACTOR IS 5.6 FOR 0.5" ORIFICE 8.1 FOR 0.53" ORIFICE AND 11 FOR 0.64" ORIFICE	
(B) ELEVATION LOSS = HEIGHT * .433 (30' HEIGHT)	9 PSI
(C) OUTSIDE FRICTION LOSS	0 PSI
(NEW SITE LOOP INFRASTRUCTURE - BASED ON 100 PSI AVAIL. AT BLDG.)	
(D) INSIDE FRICTION LOSS	10 PSI
TOTAL PRESSURE REQUIRED:	31 PSI
PROJECTED FIRE PROTECTION SPRINKLER SYSTEM DEMAND:	588 GPM @ 31 PSI

WATER SUPPLY CURVE



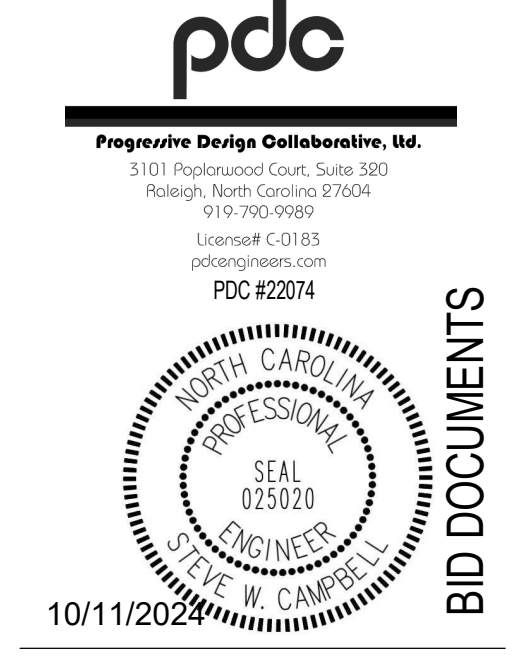
2 RISER DIAGRAM
NOT TO SCALE



1 CONCEALED SPRINKLER RETURN BEND DETAIL
NOT TO SCALE



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THIS DRAWING IS CONSIDERED TO BE PRINTED ON A 32 X 42 SHEET

Onslow County Senior Service Center Renovation
Onslow County Government
 4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION

DRAWN BY: DJL
CHECKED BY: SWC
LEAD SHEET

C:\Users\down\Documents\2024\Onslow County Senior Center MEP_R22_djw\pdc\BIM\10/11/2024 10:36:59 AM

