



## Transmittal

1320 Hemphill St, Fort Worth, TX 76104

PROJECT: WSISD - New Maintenance and Operations Warehouse 24-103.00      DATE: 5/30/2025

SUBJECT: 24-103.00 - New Maintenance and Operations Warehouse - Addendum 01      TRANSMITTAL ID: 00006

PURPOSE: For your use      VIA: Info Exchange

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### FROM

NAME	COMPANY	EMAIL	PHONE
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### TO

NAME	COMPANY	EMAIL	PHONE
Josh Mauldin 1450 N Jim Wright Fwy White Settlement TX 76108 United States	BTC	jmauldin@btcbuilds.com	817.467.4981

REMARKS: Hi Josh, see PDF for Addendum 01. Let me know if you have any questions.

Thanks

### DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	5/30/2025	24-103.00_New Maintenance&OperationsWarehouse_A 100% SET_v24 COMBINED.pdf	
1	5/30/2025	Add-01-05_30_2025.pdf	

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### COPIES:

Manny Ogunlola

Project No. 24-103.00

ADDENDU NO. 1 TO THE DRAWING  
FOR  
**NEW MAINTENANCE AND OPERATIONS WAREHOUSE**  
**WHITE SETTLEMENT ISD**  
**WHITE SETTLEMENT, TEXAS**

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**1.1 GENERAL**

- A. This addendum modifies the drawings, dated May 20, 2025, as noted with and shall become part of the Contract Documents.

**1.2 SHEET A1.11 OVERALL SITE PLAN – FLEX AREA**

- A. 2 quantity set of 12'-0" added to North and South side of the 6'-0" high chain link fence.
- B. Knox Box and lock to be added to the 2 quantity 12'-0" gate for Fire Official access.
- C. 4'-0" gate added to the East side of the chain link fence.

**1.3 SHEET A2.11 FLOOR PLAN**

- A. Note stating "Finish/trim return full depth of jam at OH door" added to the floor plan.
- B. Fur out wall, wall partition 3A, added in the Custodial room for mop sink.
- C. Fur out wall, wall partition P3B, added in the Cubical room to cover x bracing.
- D. On Floor Plan Notes, notes referencing CMU have been removed as it does not apply to project.

**1.4 SHEET A2.21 PARTITION TYPES**

- A. Note "Extend studs to joist bracing above ceiling" and "Ceiling as sched." added to Partition wall P2.
- B. Note "Extend studs to joist bracing above ceiling" added to Partition wall P2A.
- C. Note "Extend studs to joist bracing above ceiling" added to Partition wall P3/P3A.
- D. Note "Extend studs to joist bracing above ceiling" added to Partition wall P5/P5A.
- E. Note "Extend studs to joist bracing above ceiling" and "Ceiling as sched." added to Partition wall P6/P6A.
- F. Note "Extend studs to joist bracing above ceiling" added to Partition wall P7/P7A.
- G. Note "Ceiling as sched." added to Partition wall P8.
- H. On Partition Notes, notes referencing CMU have been removed as it does not apply to project.



**1.5 SHEET A4.01 BUILDING SECTIONS**

- A. Steel Channel joist bracing added above ceiling to brace wall at back of house.

**1.6 SHEET A4.31 BUILDING ASSEMBLY DETAILS**

- A. Detail 1/A4.31 – note stating masonry updated to stone.

**1.7 SHEET A7.01 DOOR SCHEDULE**

- A. Door Schedule –
  - a. Hardware Set has been updated
  - b. AAOS Shared HW Set has been added
  - c. A102 – Keynote 11 (applied sound seals & threshold) added.
  - d. A105 – Keynote 11 (applied sound seals & threshold) added.
  - e. A115 – Keynote 11 (applied sound seals & threshold) added.



# NEW MAINTENANCE & OPERATIONS WAREHOUSE


## WHITE SETTLEMENT ISD

WHITE SETTLEMENT ISD



ARCHITECTURE, CIVIL, STRUCTURAL, MEP, TECHNOLOGY

TDLR PROJECT REGISTRATION NUMBER - TABS2025018535



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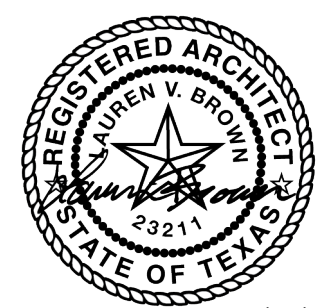
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05/30/2025

ISSUED: May 30, 2025

REVISIONS

Revision No.	Revision Date
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Director  
LAH  
Designer  
EA  
Proj. Arch.  
Checker

Drawn By  
MO  
Quality Control  
EA

PROJECT NO.

24-103.00

SHEET TITLE

COVER

SHEET NO.

COVER

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WHITE SETTLEMENT ISD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE



# NEW MAINTENANCE & OPERATIONS WAREHOUSE

## WHITE SETTLEMENT ISD

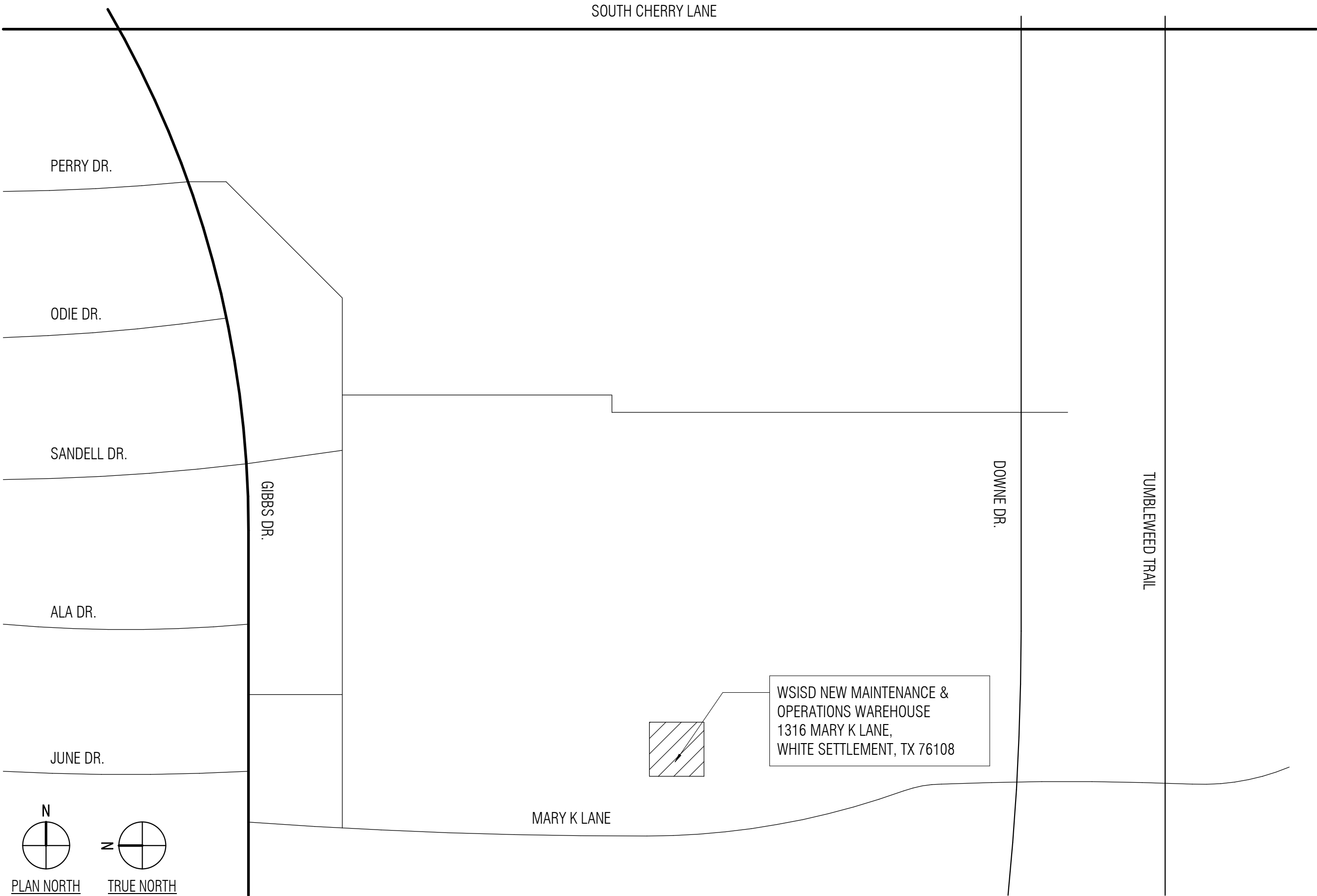
### WHITE SETTLEMENT ISD

ABBREVIATIONS			
<b>A</b>		<b>M (CONT.)</b>	
AFF	ABOVE FINISH FLOOR	MOD BIT	MODIFIED BITUMEN
ACT	ACOUSTICAL CEILING TILE	MULL.	MULLION
ADDL.	ADDITIONAL	MEP	MECHANICAL-ELECTRICAL-PLUMBING
AB	AIR BARRIER	MCM	METAL COMPOSITE MATERIAL
ACM	ALUMINUM COMPOSITE PANEL	MIN.	MINIMUM
ADA	AMERICANS WITH DISABILITIES ACT	MISC.	MISCELLANEOUS
AL/ALUM.	ALUMINUM		
APPROX.	APPROXIMATE OR APPROXIMATELY	<b>N</b>	
ARCH.	ARCHITECT OR ARCHITECTURAL	NOM.	NOMINAL
		N/A	NOT APPLICABLE
		NIC	NOT IN CONTRACT
		NTS	NOT TO SCALE
		NO./#	NUMBER
<b>B</b>		<b>O</b>	
BD	BOARD	OC	ON CENTER
BOW	BOTTOM OF WALL	OD	OUTSIDE DIAMETER
BUR	BUILT-UP ROOFING	OH	OPPOSITE HAND
BLDG	BUILDING	OHD.	OVERHEAD
		OFCl	OWNER-FURNISHED, CONTRACTOR-INSTALLED
		OFOI	OWNER-FURNISHED, OWNER INSTALLED
<b>C</b>		<b>P / Q</b>	
CL	CENTER LINE	PR.	PAIR
CR	CLASSROOM	P.LAM.	PLASTIC LAMINATE
CFS	COLD-FORMED STEEL	PL.	PLATE
CONC.	CONCRETE	PLUMB.	PLUMBING
CMU	CONCRETE MASONRY UNIT	PT.	POINT
CM	CONSTRUCTION MANAGER	PCF.	POUNDS PER CUBIC FOOT
CONT.	CONTINUOUS	PSF	POUNDS PER SQUARE FOOT
CI.	CONTINUOUS INSULATION	PSI	POUNDS PER SQUARE INCH
CJ	CONTROL JOINT	PREFAB.	PREFABRICATED
COORD.	COORDINATE	PROJ.	PROJECTOR or PROJECTION
CORR.	CORRIDOR	QT	QUARRY TILE
<b>D</b>		<b>R</b>	
DIA.	DIAMETER	R.	RADIUS
DO.	DOOR OPENING	REBAR	REINFORCING BAR
DN	DOWN	REF.	REFERENCE or REFER TO
DS	DOWNSPOUT	RCP	REFLECTED CEILING PLAN
		RE.	REGARDING
		REFG.	REFRIGERATOR
		REINF.	REINFORCE or REINFORCING
<b>E</b>		REQD.	REQUIRED
EA	EACH	R.	RISER (STAIR)
EW	EACH WAY	RS	ROLLING WINDOW SHADES
ELEC.	ELECTRICAL	RD	ROOF DRAIN
EWC	ELECTRIC WATER COOLER	RO	ROUGH OPENING
ELEV.	ELEVATION		
EQ	EQUAL	<b>S</b>	
EQUIP.	EQUIPMENT	SIM.	SIMILAR
EXIST.	EXISTING	SC	SOLID CORE
EJ	EXPANSION JOINT	SAB	SOUND ATTENUATION BLANKET
EXT.	EXTERIOR	SAFB	SOUND ATTENUATION FIRE BLANKET
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	STC	SOUND TRANSMISSION CLASS SPECIFICATION
		SQ.	SQUARE
		SF	SQUARE FOOT
		SS	STAINLESS STEEL
		STRUC.	STRUCTURAL
		SUSP.	SUSPENDED
<b>F</b>		<b>T</b>	
FT.	FEET or FOOT	TB	TACKBOARD
FRP	FIBERGLASS REINFORCED PLASTIC	TS	TACKSTRIP
FV	FIELD-VERIFY	TW	TACK WALL
FIN.	FINISH	TC	TEACHER'S CABINET
FF	FINISH FLOOR	TAS	TEXAS ACCESSIBILITY STANDARDS
FE	FIRE EXTINGUISHER	T.	TREAD (STAIR)
FEC	FIRE EXTINGUISHER & CABINET	T&B	TOP & BOTTOM
FHC	FIRE HOSE CABINET	TO	TOP OF
FHCS	FLAT-HEAD COUNTERSUNK	TC	TOP OF CURB
FLR.	FLOOR	TOD	TOP OF DECK
FD	FLOOR DRAIN	TOJ	TOP OF JOIST
FLUOR.	FLUORESCENT	TOS	TOP OF STEEL
		TOW	TOP OF WALL
		TYP.	TYPICAL
<b>G / H</b>		<b>U / V</b>	
GALV.	GALVANIZED	U/C	UNDER COUNTER
GA	GAGE	U.L.	UNDERWRITERS LABORATORY
GC	GENERAL CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
GO	GLAZED OPENING	VIF	VERIFY IN FIELD
GYP	GYP SUM	VERT.	VERTICAL
HT	HEIGHT	VCT	VINYL COMPOSITION TILE
HP	HIGH POINT	VWC	VINYL WALL COVERING
HM	HOLLOW METAL		
HORIZ.	HORIZONTAL	<b>W / X / Y / Z</b>	
HB	HORIZONTAL BLINDS	WC	WATER CLOSET
HG	HOT-DIP GALVANIZED	WRB	WATER-RESISTIVE BARRIER
HR.	HOUR	WT.	WEIGHT
<b>I / J / K</b>		W.	WIDE
ID	INSIDE DIAMETER	W/	WITH
INSUL.	INSULATION	W/O	WITHOUT
IFP	INTERACTIVE FLAT PANEL	WP	WORKING POINT
IMB	INTERACTIVE MARKERBOARD	WWF	WELDED WIRE FABRIC
INT.	INTERIOR		
IBC	INTERNATIONAL BUILDING CODE		
<b>L</b>			
LAV.	LAVATORY		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		
LP.	LOW POINT		
LVT	LUXURY VINYL TILE		
<b>M</b>			
MFR.	MANUFACTURER		
MFG.	MANUFACTURING		
MB	MARKER BOARD		
MO	MASONRY OPENING		
MAX.	MAXIMUM		
MECH.	MECHANICAL		

BUILDING INFORMATION	
APPROXIMATE BUILDING AREAS	
Building A GROSS SQ. FT.: NET SQ. FT.:	10,612 SQ. FT. 10,072 SQ. FT.
Building B GROSS SQ. FT.: NET SQ. FT.:	10,599 SQ. FT. 10,072 SQ. FT.
LEGAL DISCRPTION : 1316 MARY K LANE, WHITE SETTLEMENT, TEXAS 76108	
BUILDING CONSTRUCTION INFORMATION	
Building A Primary Occupancy: Accessory Occupancy Accessory Occupancy	Storage - S1 Manufacturing - F1 Business - B
Building B Occupancy	Storage - S1
GENERAL NOTES	
1. Refer to the CODE-series sheets for Code Information, Design Criteria and Fire Protection Requirements.	
2. Verify and document existing dimensions and conditions at the site before beginning construction. Notify the Architect of conflicts or variations prior to commencement of construction.	
3. Based on the applicable design criteria, submit Shop Drawings of the proposed pattern of control joints in masonry veneer, CMU, gypsum board, plaster and stucco to the Architect for review and approval prior to construction.	
4. In case of discrepancies in or between the Contract Documents, the greater quantity or better quality shall be bid. Clarifications regarding the discrepancies shall be requested from the Architect prior to construction, and the resulting interpretations implemented in accordance with the Contract Documents.	

MATERIAL LEGEND			
	EARTH		CERAMIC TILE
	POROUS FILL		GLASS (LARGE SCALE)
	CONCRETE/ GROUT		INSULATION (RIGID FOAM BOARD)
	BRICK		INSULATION (EPS FOAM BOARD)
	CMU (LARGE SCALE)		INSULATION (BATT/ BLANKET)
	MARBLE		INSULATION (SEMI-RIGID BOARD)
	METAL (LARGE SCALE)		WOOD, ROUGH (CONTINUOUS)
	METAL (SMALL SCALE)		WOOD, ROUGH (BLOCKING)
	RESILIENT FLOORING		WOOD, FINISH
	ACOUSTICAL TILE		PLYWOOD (LARGE SCALE)
	TERRAZZO		FIBER CEMENT PANEL
	PLASTER, SAND, GROUT, GYPSUM BOARD		METAL LATH
			GYPSUM BOARD

#### SITE LOCATION MAP



SYMBOLS LEGEND			
Room name 101	ROOM NUMBER		ALUMINUM-FRAMED GLAZED OPENING SYSTEM
101	DOOR NUMBER		HOLLOW METAL-FRAMED GLAZED OPENING SYSTEM
AC	ACCESS CONTROL		PARTITION TYPE
Room name 150 SF	AREA TAG		TOILET ACCESSORY
1 A101	CALLOUT HEAD		SPECIALTY EQUIPMENT
	DEMOLITION		

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TY9.02	SECURITY DETAILS



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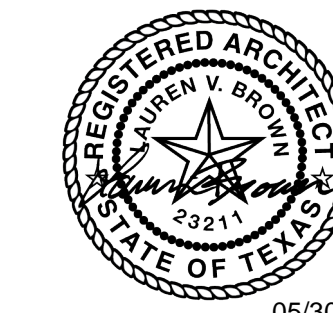
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ISSUED: May 30, 2025

#### REVISIONS

Revision No.	Revision Date
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Director

Drawn By

Designer

Quality Control

Proj. Arch.

#### PROJECT NO.

24-103.00

#### SHEET TITLE

INDEX, GENERAL NOTES,  
AND ABBREVIATIONS

#### SHEET NO.

# INDEX

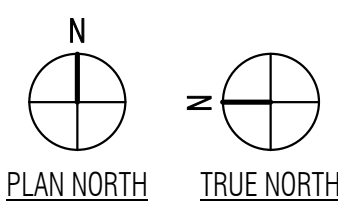
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TDLR PROJECT REGISTRATION NUMBER - TABS2025018535

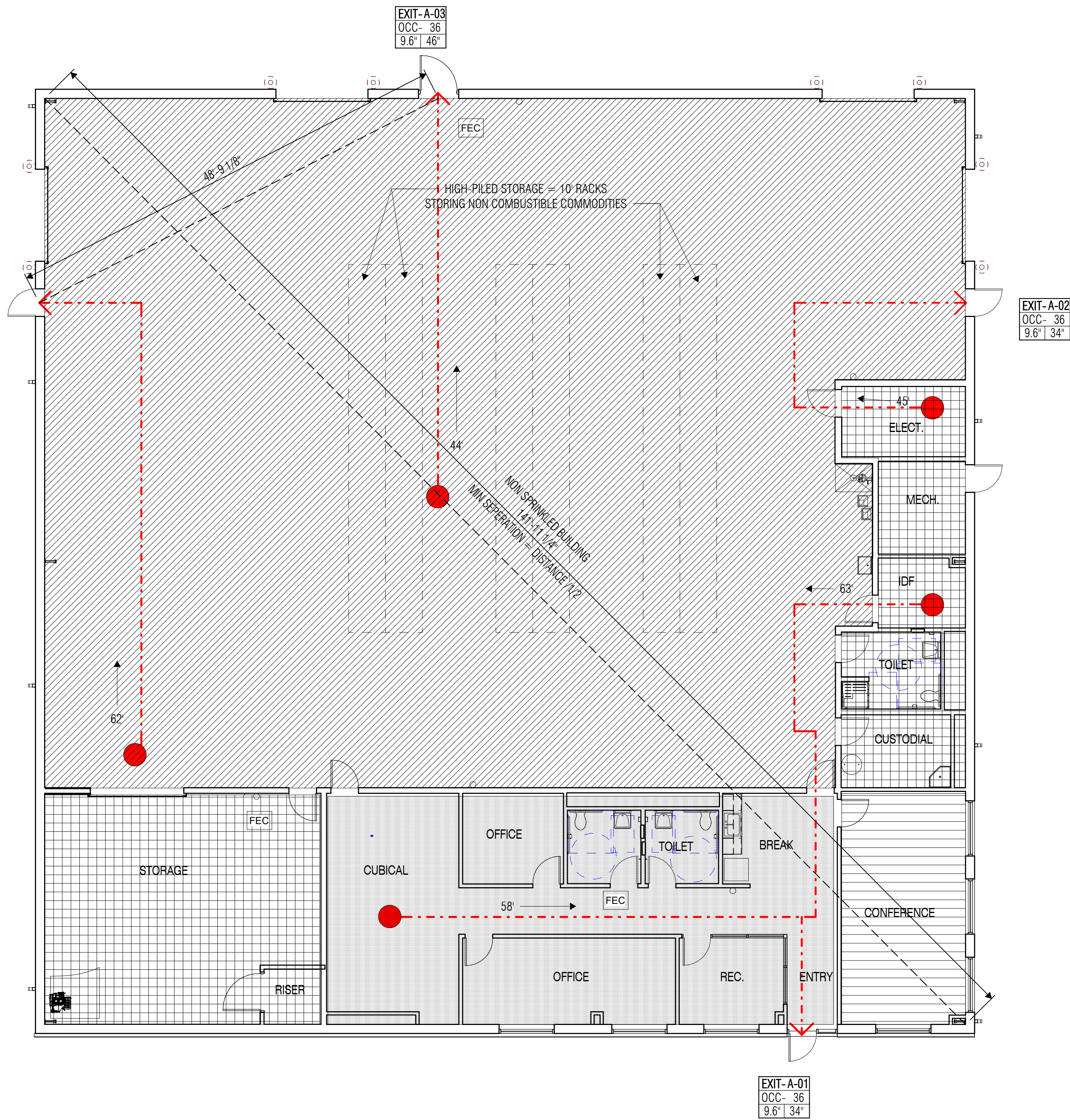
WHITE SETTLEMENT ISD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE





**1 FIRE SAFETY PLAN**  
SCALE: 1/8" = 1'-0"



**BUILDING CRITERIA**

**PROJECT INFORMATION**  
Project name - New Maintenance and Operations Warehouse  
Owner - White Settlement ISD  
Project Location - 1316 Mary K Lane, White Settlement, TX, United States  
Construction Type - IIB / Non Sprinklered

- APPLICABLE CODES**
- 2018 International Building Code (IBC)
  - 2018 International Plumbing Code (IPC)
  - 2018 International Mechanical Code (IMC)
  - 2018 International Fuel Gas Code (IFGC)
  - 2018 International Energy Conservation Code(IECC)
  - 2018 International Property Maintenance Code (IPMC)
  - 2017 National Electrical Code(NEC)
  - 2018 International Fire Code (IFC)

**APPROXIMATE BUILDING AREAS**  
GROSS SQ. FT - 10,567 SQ. FT  
NET SQ. FT. - 8,875 SQ. FT  
Allowable Building Height - 55'  
Allowable Stories Above Grade - 2

**New Maintenance and Operations Warehouse - Type IIB - Construction**  
**Maximum Allowable Building Area**  
 $A_a = A_l + (N_S \times I)$

**Warehouse - S1 - Type IIB Construction**  
 $A_a = 11500 + (11500 \times 0.63) = A_a = 28,525$   
**Designed 10,567 SQ FT**

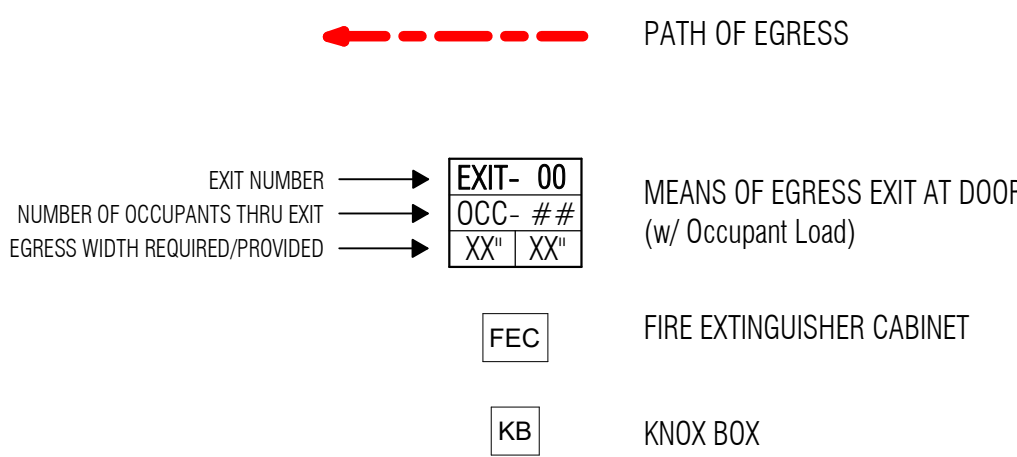
- Fire Resistive Requirements - Construction Type IIB**
- Primary Structural Frame - 0hr
  - Exterior Bearing Walls - 0hr
  - Interior Bearing Walls - 0hr
  - Interior Non-Bearing Walls and Partitions - 0hr
  - Floor Construction and Secondary Members - 0hr
  - Roof Construction and Secondary Members - 0hr
- No separation is required between occupancies per Table 508.4

**Occupancy Classification**  
Primary Occupancy - Storage - S1  
Accessory Occupancy - Manufacturing - F1  
Accessory Occupancy - Business - B  
Total Occupancy - 48 occupants

**Means of egress**  
Total Occupants - 48  
Exits Required (Per Table 1006.3.3) - 2 Exits  
Exits Provided - 4 Exits  
Exits Width Required - 9.6"  
Exits Width Provided - 34" & 46"

Minimum Capacity in inches per IBC 1005.3.2 - (48 OCC) (0.2) = 9.6"  
Maximum Travel Distance per table 1006.2.1 - 75'

**LIFE SAFETY PLAN LEGEND**



**BUILDING A OCCUPANCY TABULATION PER 2018**

IBC			
AREA	SQARE FOOTAGE	OCCUPANCY COUNT	
WAREHOUSE AREA (500 GROSS)	6,944 SF	6,944 SF / 500 GROSS	13
ACCESSORY AREA (300 GROSS) STORAGE, ELEC, MECH, IDF, TOILET, CUSTODIAL	1,257 SF	1,257 SF / 300 GROSS	4
BUSINESS AREA (150 GROSS) CUBICAL, OFFICE, TOILET, BREAK, RECEPTION, ENTRY	1,364 SF	1,364 SF / 150 GROSS	9
ASSEMBLY AREA (15 NET) CONFERENCE	338 SF	338 SF / 15 NET	22
TOTAL OCCUPANTS			48

**PLUMBING FIXTURE COUNTS**

BUILDING S1 - 48 OCC.	WATER CLOSETS	LAVATORIES	DRINKING FOUNTAIN	SERVICE SINK
REQUIRED	1 PER 100 MALE & FEMALE	1 PER 100 MALE & FEMALE	1 PER 1000 OCC	1
PROVIDED	3	3	1	1

CALCUATIONS BASED ON TABLE IBC 2018 - TABLE 2902.1 - BUILDING USE = WAREHOUSE

IECC CODE 2018	CLIMATE ZONE: 3A	BUILDING GROUP: WAREHOUSE
LOCATION	REQUIRED	PROVIDED
OPAQUE BUILDING ENVELOPE		
ROOFS		
Insulated Entirely Above Deck	R-19 + R-11LS	R-19 + R-11LS
WALLS - ABOVE GRADE		
Metal Building	R-13 + R-6.5ci	R-13 + R-6.5ci
FLOORS		
Mass (Concrete) - Slab on Grade	Not Required	Not Required
DOORS - OPAQUE		
Swinging	U-0.61	U-0.29
Insulated Metal Rolling	U-0.90 / R-4.75	U-0.29 / R-10
FENESTRATION		
FIXED FENESTRATION - TYPE		
Fixed (Storefront)	U-0.46	U-0.29
ABBREVIATIONS		
• R = R-VALUE		
• U = U-VALUE		
• ci = CONTINUOUS INSULATION		
• SHGC = SOLAR HEAT GAIN COEFFECIENT		



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05/30/2025

ISSUED: May 30, 2025

**REVISIONS**

Revision No. Revision Date

Director  
LB  
Designer  
Designer  
Proj. Arch.  
LH

Drawn By  
MO  
Quality Control

**PROJECT NO.**

**24-103.00**

**SHEET TITLE**

CODE REVIEW, BUILDING  
DESIGN CRITERIA &  
DIAGRAMS

**SHEET NO.**

**CODE.1**

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WHITE SETTLEMENT ISD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE



# NEW MAINTENANCE AND OPERATION WAREHOUSE

## WHITE SETTLEMENT ISD

### 1316 MARY K LN, WHITE SETTLEMENT, TX 76108

NOTE:	CONTRACTOR ADVISORY:
ALL OVERHEAD ELECTRIC LINES SHALL MEET THE HEIGHT REQUIREMENTS SET FORTH BY THE CITY FIRE DEPARTMENT AND UTILITY OWNER. CONTRACTOR SHALL ADJUST/RAISE EXISTING OVERHEAD LINES CROSSING FIRE LANES AS REQUIRED TO MEET THE FIRE DEPARTMENT REQUIREMENTS. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD ELECTRIC LINES PRIOR TO ANY CONSTRUCTION. COORDINATE WITH UTILITY OWNER.	THE CONTRACTOR, AND HIS AGENTS, SUB CONTRACTOR/ENGINEER/SURVEYOR, ARE COMPLETELY RESPONSIBLE FOR THE VERIFICATION OF THE ACCURACY OF THE DIMENSION CONTROL FURNISHED HEREIN. THE OWNER, AND HIS AGENTS, ARE NOT RESPONSIBLE FOR THE VERIFICATION OF THE COORDINATES FURNISHED. THE CONTRACTOR IS REQUIRED TO VERIFY ALL OF THE COORDINATES FOR ACCURACY AND CONFIRM THE LOCATIONS OF ALL UTILITIES TO BE CONSTRUCTED, BOTH HORIZONTALLY AND VERTICALLY. DISCREPANCIES FOUND BY THE CONTRACTOR SHALL BE REPORTED IN WRITING, TO THE OWNER IMMEDIATELY FOR RECONCILIATION.
<b>WARNING TO CONTRACTOR:</b> CALL 1-800-344-8377 (DIG-TESS) OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. MJ THOMAS ENGINEERING IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPENDING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.	<b>HYDROMULCH NOTE:</b> ALL AREAS OF THE SITE INCLUDING ANY OFF-SITE AREA THAT IS DISTURBED BY CONSTRUCTION ACTIVITIES, SHALL RECEIVE AT A MINIMUM "LANDSCAPE" DEMOLITION, GRADING, PAVING, DRAINAGE, WATER SEWER IRRIGATION AND SEWER CONTROL PLANS TO DETERMINE ALL LIMITS OF DISTURBANCE. CONTRACTOR SHALL PROVIDE SOD AS REQUIRED ELSEWHERE IN THE PLANS.
<b>EXISTING IRRIGATION SYSTEM NOTE:</b> THE CONTRACTOR SHALL PROTECT ALL EXISTING SPRINKLER HEADS, LINES, ETC DURING THE DURATION OF CONSTRUCTION. ANY SPRINKLER LINES, HEADS, METERS, VALVES, ETC. THAT ARE DAMAGED OR DISLOCATED BY CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED TO ORIGINAL CONDITION OR BETTER (NO SPECIAL PAY). COORDINATE WITH OWNER AND/OR LANDSCAPE IRRIGATION PLANS.	<b>III CRITICAL IIII</b> LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.
<b>UTILITY RELOCATION NOTE:</b> IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES, TELEPHONE UTILITIES, CABLE BOXES, FIBER OPTIC CABLE, ETC. ARE FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AND COORDINATE THE RELOCATION OF ANY AND/OR ALL SUCH UTILITIES (NO SPECIAL PAY).	

#### GENERAL NOTES

- ALL MATERIALS AND CONSTRUCTION METHODS OF THE CONTRACT SHALL BE AS STATED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, AND IN STRICT ACCORDANCE WITH THE STANDARDS OF THE CITY IN WHICH THE CONSTRUCTION OCCURS.
- THE CONTRACTOR SHALL FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF THE CONSTRUCTION AREA. BEFORE COMMENCING CONSTRUCTION, THE LOCATIONS OF ALL SPRINKLER SYSTEM LINES SHALL BE LOCATED BEFORE ANY EXCAVATION OCCURS. ANY DAMAGE TO SPRINKLER SYSTEM SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE CONTRACT PRICE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE CONSTRUCTION TO THE ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE BUT ARE NOT LIMITED TO TRENCH BACK FILL, SIDE SLOPES, FENCES, IRRIGATION SYSTEMS, CULVERTS, PIPES, DRAINAGE DITCHES, DRIVEWAYS, PRIVATE YARDS, AND ROADWAYS. THE CONTRACTOR SHALL INCLUDE PAVEMENT RESTORATION AND SHALL BE CONSIDERED SUBSIDIARY TO HIS BID PRICE.
- ALL REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED AT THE EXISTING OR PROPOSED LOCATION AS DIRECTED BY THE OWNER'S PROJECT REPRESENTATIVE.
- REPAIRS OF EXISTING CULVERTS AND DRAINAGE STRUCTURES WILL BE SUBSIDIARY TO THE BID PRICE.
- IN THE EVENT THAT EXISTING UTILITIES SUCH AS WATER, ELECTRIC, GAS, OR FIBER OPTIC ARE LOCATED IN THE CONSTRUCTION AREA, THE CONTRACTOR SHALL PROVIDE TEMPORARY UTILITIES TO THE SATISFACTION OF THE OWNER. BACK FILL FOR WATER AND SEWER LINES SHALL BE PER CITY DETAILS.
- IF GROUNDWATER IS ENCOUNTERED WHEN LAYING UTILITY LINES, 3/4" WASHED ROCK MUST BE PLACED 6" BELOW AND 6" ABOVE THE UTILITY LINE.
- ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL SIGNS, BARRICADES, AND FLAGGING SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRAFFIC CONTROL PLAN.
- ADAPTABLE MEASUREMENTS SHALL BE TAKEN TO DETERMINE THE EVENT THAT EROSION OCCURS AS A RESULT OF CONSTRUCTION. THE CONTRACTOR SHALL RESTORE THE ERODED AREA TO ORIGINAL CONDITION PRIOR TO HYDROMULCHING.
- HYDROMULCHING SHALL INCLUDE ALL TEMPORARY WATER COSTS. SOD PILE AREA SHOWN ON THE PLAN, OR AS DIRECTED BY THE OWNER'S PROJECT REPRESENTATIVE.
- CONTRACTOR SHALL IDENTIFY ALL TREES TO BE SAVED AS INDICATED ON THE CONSTRUCTION DRAWINGS WITH PINK RIBBONS AND SHALL PROTECT AND SAVE ALL TREES AS MARKED. NO EXCAVATION, STOPPING, STANDING, STAGING, DRYING OR PARKING ALLOWED IN DRIP LINE OF TREES UNLESS SHOWN ON THE CONSTRUCTION PLANS.
- ROUGH GRADING SHALL WITHIN 10 FEET OF FINISHED GRADE. FINISHED GRADE SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS. WITHIN OR 0.00'.
- THE CONTRACTOR SHALL INSTALL ALL GRAVITY LINES (SANITARY SEWER, STORM SEWER AND FRENCH DRAINS) BEFORE INSTALLATION OF WATER LINES AND APPURTENANCES.
- THE CONTRACTOR AND HIS AGENTS, SUB CONTRACTOR/ENGINEER/SURVEYOR, ARE COMPLETELY RESPONSIBLE FOR THE VERIFICATION OF THE ACCURACY OF THE DIMENSION CONTROL FURNISHED HEREIN. THE OWNER, AND HIS AGENTS, ARE NOT RESPONSIBLE FOR THE ACCURACY OF THE COORDINATES FURNISHED. THE CONTRACTOR IS REQUIRED TO VERIFY ALL OF THE COORDINATES FOR ACCURACY AND CONFIRM THE LOCATIONS OF ALL UTILITIES TO BE CONSTRUCTED, BOTH HORIZONTALLY AND VERTICALLY. DISCREPANCIES FOUND BY THE CONTRACTOR SHALL BE REPORTED, IN WRITING, TO THE OWNER IMMEDIATELY FOR RECONCILIATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SWPPP IN ACCORDANCE WITH THE REQUIREMENTS OF THE TPOES GENERAL PERMIT 1500000. THE CONTRACTOR SHALL SUBMIT THE SWPPP TO THE TPOES GENERAL PERMIT 1500000. THE CONTRACTOR AND THE OWNER, THE OWNER WILL PREPARE THE OWNER'S N.O.I., BUT THE CONTRACTOR SHALL SUBMIT BOTH THE CONTRACTOR'S AND THE OWNER'S N.O.I. AFTER COMPLETION OF THE SWPPP TO THE TPOES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SUBMITTING OTHER PERMITS REQUIRED BY THE TPOES. THE CONTRACTOR SHALL SUBMIT ALL DOCUMENTS SHALL BE SUBMITTED ACCORDING TO THE SCHEDULE INDICATED IN THE TPOES GENERAL PERMIT 1500000.
- ALL TREES WITHIN THE CONSTRUCTION ZONE SHALL BE WARRANTED FOR SURVIVAL BY THE CONTRACTOR FOR ONE YEAR AFTER THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY TO THE OWNER. ANY TREES THAT DIE PRIOR TO OR WITHIN THE WARRANTY PERIOD SHALL BE REPLACED WITHIN 10 DAYS OF THE REPORT FROM THE OWNER WITH THE SAME SIZE AND SPECIES OF TREES. THE CONTRACTOR SHALL INCLUDE THIS COST IN HIS BID PRICE.
- CONTRACTOR SHALL PROVIDE THE ENGINEER WITH COPIES OF ALL DENSITY TESTS AND CYLINDER BREAKS, INCLUDING REPORTS OF ALL TESTS ON ALL BACK FILL FOR THE UTILITY LINES.
- BEFORE SUBMITTING THEIR BID, EACH BIDDER MUST: (A) EXAMINE THE CONTRACT DOCUMENTS THOROUGHLY, (B) VISIT THE SITE TO FAMILIARIZE THEMSELVES WITH LOCAL CONDITIONS THAT MAY IN ANY MANNER AFFECT PERFORMANCE OF THE WORK, (C) FAMILIARIZE THEMSELVES WITH FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS WHICH MAY IN ANY MANNER AFFECT PERFORMANCE OF THE WORK, AND (D) CAREFULLY CORRELATE THEIR OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. REFERENCE IS MADE TO THE SUPPLEMENTARY CONDITIONS FOR THE IDENTIFICATION OF THE SURVEYS AND INVESTIGATION REPORTS OF SUBSURFACE OR LATENT EXISTING PHYSICAL CONDITIONS AFFECTING THE CONTRACT DOCUMENTS OR SPECIFICATIONS. THE DATA IS FURNISHED FOR INFORMATION ONLY AND NEITHER THE OWNER NOR ENGINEER GUARANTEES THE ACCURACY OF SUCH DATA. BEFORE SUBMITTING THEIR BID EACH BIDDER WILL, AT THEIR OWN EXPENSE, MAKE SUCH ADDITIONAL SURVEYS AND INVESTIGATIONS AS THEY MAY DEEM NECESSARY TO DETERMINE THEIR BID PRICE FOR PERFORMANCE OF THE WORK WITHIN THE TERM OF THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL UTILITIES.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EROSION CONTROL MEASURES ONCE FINAL GROUND STABILIZATION IS ESTABLISHED.
- A TRAFFIC CONTROL PLAN THAT COMPLIES WITH THE REQUIREMENTS SET FORTH IN THE WORK AREA TRAFFIC CONTROL MANUAL SHALL BE SUBMITTED BY THE CONTRACTOR TO AND APPROVED BY THE DEPARTMENT OF PUBLIC WORKS, TRAFFIC ENGINEERING MANAGER PRIOR TO THE INSTALLATION OF THE DRIVE APPROACHES.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION OF THIS PROJECT WITH THE CONSTRUCTION SERVICES MANAGER. NOTIFICATION SHOULD BE MADE AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION SO THAT AN INSPECTOR MAY BE ASSIGNED TO THIS PROJECT.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT CITY STANDARD DETAILS.
- IN THE CASE OF AN INCONSISTENCY BETWEEN DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER DOCUMENT NOT CLARIFIED BY ADDENDUM, THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE ENGINEERS INTERPRETATION.
- ALL EXISTING INLET LINE REPLACEMENTS SHALL BE COMPLETED WITH THE SAME MATERIAL AS THE EXISTING FACILITY OR PER CURRENT CITY REQUIREMENTS.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DISPOSE OF ALL SURPLUS SOIL AND EXCAVATED MATERIAL NOT SUITABLE OR REQUIRED FOR FILL AND BACK FILL. THE MATERIAL SHALL BE HAULED OFF SITE AND DISPOSED OF IN A LEGAL MANNER, NO SPECIAL PAY.
- THE CONTRACTOR SHALL USE EXTREME "CAUTION" WHEN WORKING IN AREAS ADJACENT TO GAS LINES, UNDERGROUND ELECTRIC CABLE, FIBER OPTIC CABLE AND UNDERGROUND TELEPHONE CABLE. ANY UTILITY FOUND IN CONFLICT WITH PROPOSED NEW GRADING, OR UTILITY INFRASTRUCTURE, SHALL BE ADJUSTED, MOVED, OR RELOCATED TO FACILITATE NEW CONSTRUCTION.
- ALL DITCHES WILL BE BACK FILLED AT THE END OF EACH DAY. NO TRENCHES WILL BE LEFT OPEN OVERNIGHT.
- WHEN THE PROPOSED UTILITIES CONFLICT WITH AN EXISTING UTILITY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTRACTOR MAY BORE OR REPLACE SAID STRUCTURE AT NO EXTRA COST IF NOT CALLED FOR IN PLANS TO BE REPLACED.
- ALL DITCHES WILL BE REGRADED AFTER THE CONSTRUCTION HAS BEEN COMPLETED. NO EXTRA PAYMENT WILL BE MADE FOR THIS. ALL DISTURBED AREAS SHALL BE REVEGETATED WITHIN 10 DAYS OF THE COMPLETION OF THE CONSTRUCTION WORK.
- 1x20' APPROVAL MUST BE OBTAINED PRIOR TO CONSTRUCTION IN STATE HIGHWAY RIGHT-OF-WAY.
- WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS. AT HIS OWN COST AND EXPENSE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS IN GRADING OR CONSTRUCTION.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING AND ADMINISTERING THE TRENCH SAFETY PLAN FOR THIS PROJECT PRIOR TO COMMENCING ANY UTILITY CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN THE TRENCH SAFETY PLAN AS FURNISHED AND MAILED BY THE ENGINEER. THE TRENCH SAFETY PLAN SHALL BE SPECIFIC TO THIS PROJECT, AND SUBMITTED TO THE ENGINEER, AND APPROPRIATE CITY OFFICIAL WITHIN THE CITY IN WHICH THE WORK OCCURS. THE TRENCH SAFETY PLAN SHALL BE REVIEWED AND APPROVED BY THE ENGINEER. THE REQUIREMENTS OF THE U.S. DEPARTMENT OF LABOR, OSHA, AND ANY LOCAL, STATE OR FEDERAL REGULATIONS FOR SAFETY THAT ARE IN EFFECT. "CONST. SAFETY AND HEALTH REGULATIONS," VOL. 29, SUB PART P, PG. 128-137, AND ANY AMENDMENTS THERETO.
- THE CONTRACTOR SHALL NOT SCALE THE PLANS.
- STATE LAW REQUIRES THAT DIG-TESS (1-800-344-8377) BE CONTACTED 48 HOURS PRIOR TO COMMENCEMENT OF ANY

#### UNDERGROUND FACILITIES AND TELEPHONE NUMBERS

THE LOCATION OF UNDERGROUND FACILITIES INDICATED ON THE PLANS IS TAKEN FROM THE PUBLIC RECORDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES PRIOR TO WORKING IN THE AREA TO CONFIRM THEIR EXACT LOCATION AND TO DETERMINE WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL UNDERGROUND FACILITIES.

#### UNDERGROUND FACILITY OWNER TELEPHONE NUMBER

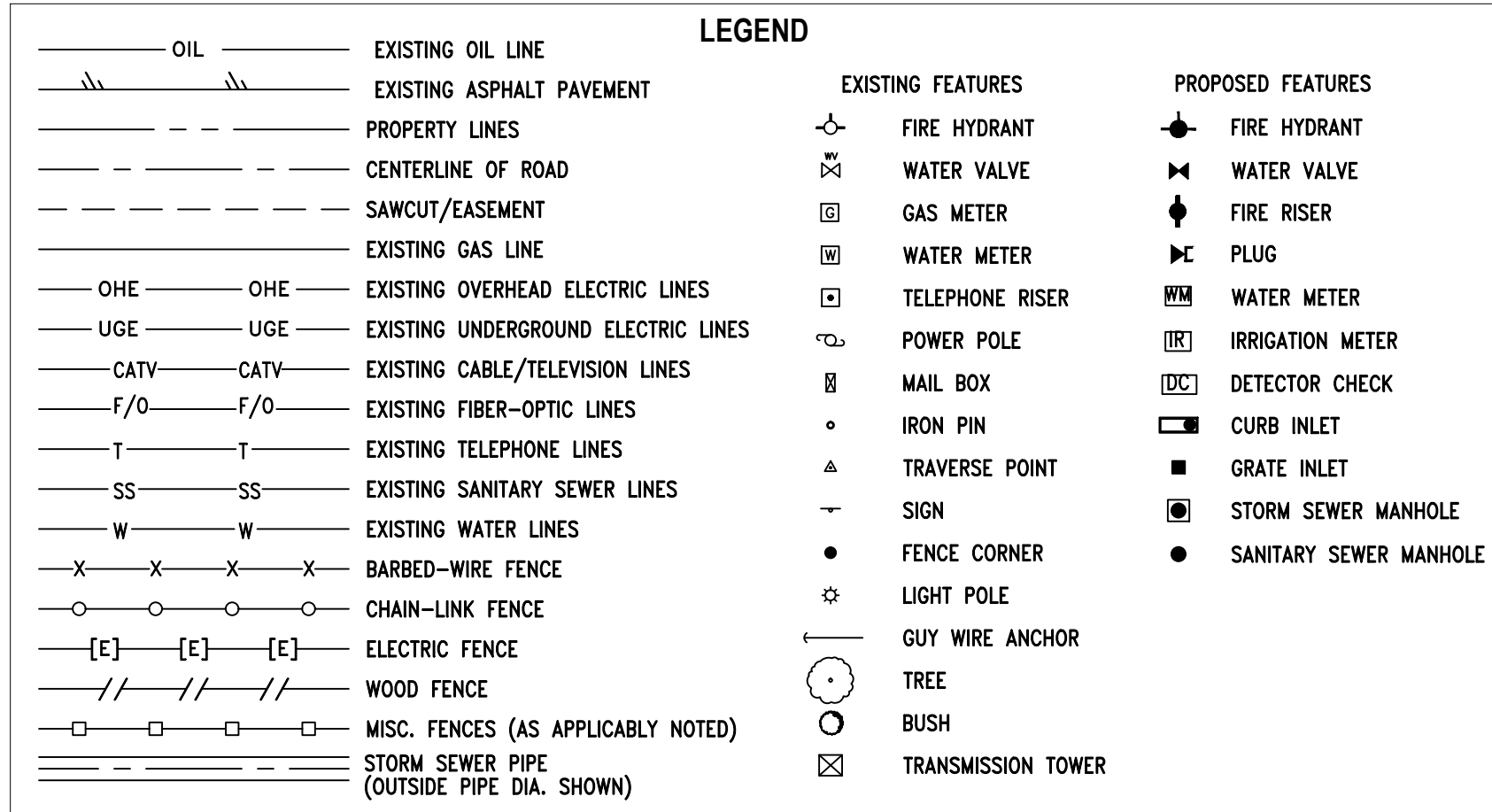
WHITE SETTLEMENT TRANSPORTATION & PUBLIC WORKS (817)246-4971  
WHITE SETTLEMENT WATER DEPARTMENT (817)246-4971  
ATMOS MIDTX (866)322-8667  
ONCOR GAS & ELECTRIC (888)313-4747  
ZAYO GROUP (888)955-6229  
SPECTRUM (888)963-6457  
CONTRERA ULTRA BROADBAND LLC (866)545-6077  
AT&T (800)351-0050



Know what's below.  
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BENCHMARKS:  
BM #1: X-BOX  
ELEVATION: 741.13  
BM#2: X-BOX  
ELEVATION: 740.19

THE PURPOSE OF THESE PLANS IS TO PROVIDE GUIDE FOR THE BIDDING PROCESS TO CONSTRUCT ALL ITEMS SHOWN HEREIN UNLESS DELETED BY REFERENCE. ITEMS INCLUDING, BUT ARE BUT NOT LIMITED TO: EXCAVATION (ALL SITE WORK SHOWN), COMPACTED FILL (CONTROLLED DENSITY EMBANKMENT), SANITARY SEWER LINES AND APPURTENANCES, STORM SEWER LINES AND APPURTENANCES, DISPOSAL OF ALL DEMOLISHED MATERIALS AND TREES, STRIPPING FOR FIRE LANES AND PARKING AREAS, STABILIZED SUBGRADE, CONCRETE PAVING 7", 6" & 5" THICK AND MONO CURB, CONCRETE SIDEWALKS 5" THICK WITH A.D.A. RAMPS, CONCRETE CURB STOPS AT A.D.A. PARKING SPACES WHERE REQUIRED BY CODE EXCAVATION (ALL SITE WORK SHOWN)



DEPARTMENT OF PUBLIC WORKS INSPECTORS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT CITY STANDARD DETAILS.  
6. ALL MANHOLES COVERS SHALL BE EIJW 1480 WITH HEAVY DUTY COVER AS SPECIFIED.  
8. STORM SEWER SYSTEM SHALL BE VIDEOED AFTER COMPLETED TO ENSURE COMPLIANCE AND A COPY SHALL BE PROVIDED TO THE OWNER AND ENGINEER.

#### SANITARY SEWER GENERAL NOTES

- THE CONTRACTOR SHALL INSTALL WATER AND SEWER LINES SO AS TO AVOID CONFLICTS WITH OTHER UTILITIES. WATER/SEWER LINE SEPARATIONS SHALL BE MAINTAINED PER TEXAS COMMISSION ON ENVIRONMENTAL QUALITY.
- MANHOLE TOPS & CLEAN-OUTS SHALL BE SET TO THE GRADE ESTABLISHED BY THE SITE GRADING PLAN OR APPLICABLE PLAN-PROFILE SHEETS AND SHALL BE FLUSH WITH FINISHED GRADE.
- THE CONTRACTOR SHALL USE OSHA APPROVED CONFINED SPACE ENTRY PROCEDURES WHEN ENTERING SANITARY SEWER MANHOLES. THE SAFETY EQUIPMENT SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL BE OSHA CERTIFIED. PERSONS WORKING IN THESE AREAS SHALL BE TRAINED IN THE PROPER USE OF THE SAFETY EQUIPMENT.
- CONTRACTOR SHALL FOLLOW BUILDING INSPECTION RULES REGARDING THE DESIGN, MATERIALS AND INSTALLATION OF THE PRIVATE SANITARY SEWER LINE.
- ALL PROPOSED WATER AND SANITARY SEWER LINES ARE TO BE LOCATED AS SHOWN ON THE PLANS. ALL LINES LOCATED WITHIN AREAS OF PAVEMENT SHALL HAVE THE TOP 8" OF BACK FILL REPLACED WITH CRUSHED STONE INCLUDING SERVICES. (NO SPECIAL PAY)
- CONTRACTOR SHALL FURNISH & INSTALL CLAY PLUGS UPSTREAM OF EACH MANHOLE.
- ALL WATER MAIN CLEARANCE FOR PARALLEL SANITARY SEWER MAIN SHALL BE A MINIMUM SEPARATION OF 2 FEET VERTICAL AND 9 FEET HORIZONTAL.
- ALL FORCE MAIN SEWER PIPE WILL BE DR-18 (C-900) PVC PIPE, COLOR CODED FOR SEWERAGE APPLICATIONS. ALL GRAVITY SEWER PIPE SHALL BE SDR-35 (ASTM A-1304) FOR 4" TO 1" 1/2" DEPTHS, OR SDR-26 FOR 12" TO 20" DEPTHS UNLESS NOTED OTHERWISE. ALL OTHER DEPTHS SHALL BE DIP CL 51 UNLESS NOTED OTHERWISE. MATERIALS SHALL MEET REQUIREMENTS OF THE CITY. FORCE MAIN SEWER PIPE SHALL BE INSTALLED WITH A MINIMUM OF 42" OF COVER MEASURED FROM THE TOP OF THE PIPE TO THE PROPOSED GROUND OR EXISTING GRADE.
- WHEN A PROPOSED SEWER LINE CROSSES AN EXISTING WATER LINE, THE CONTRACTOR SHALL INSTALL ONE 20 FOOT JOINT OF DR-18 (C-900) ON THE SEWER LINE, CENTERED ON THE WATER LINE, USING SDR-26 TO C-900 ADAPTERS. NO SPECIAL PAY WILL BE PERMITTED FOR THIS ITEM.
- UPON COMPLETION OF SEWER LINE CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO HAVE THE LINES TESTED, INCLUDING MANHOLE TEST, AIR TEST, AND A TV INSPECTION AT NO COST TO THE OWNER. ALL TESTS SHALL BE DOCUMENTED WITH OWNER PERSONNEL PRESENT. DOCUMENTATION OF ALL TESTS SHALL BE PROVIDED TO THE PROJECT ENGINEER.
- FOR PROPOSED SEWER SERVICE LOCATIONS WHERE THE SEWER MAIN EXCEEDS A FLOW LINE DEPTH OF 8' (SPECIAL PAY), THE CONTRACTOR SHALL INSTALL THE DEEP SERVICE CONNECTION IN LINE OF THE STANDARD SERVICE CONNECTION (SPECIAL PAY).
- THE CONTRACTOR SHALL FIELD LOCATE EXISTING GRAVITY SEWER LINES TO BE CONNECTED PRIOR TO COMMENCING WORK. IF A DISCREPANCY EXISTS BETWEEN THE PLANS AND FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. SUCH VERIFICATION SHALL BE CONSIDERED SUBSIDIARY TO THE BID PRICE WITH NO SPECIAL PAY.
- ALL MANHOLES SHALL BE EIJW HINGED V-2230ZPT WITH HEAVY DUTY COVER.
- THE CONTRACTOR SHALL MAINTAIN IN OPERATING CONDITION ALL ACTIVE PIPES ENCOUNTERED DURING THE PIPELINE REHABILITATION. THE CONTRACTOR SHALL PROVIDE FOR CONTINUITY OF SERVICE TO EACH FACILITY CONNECTED TO THE SECTION OF PIPE BEING RECONSTRUCTED DURING EXECUTION OF THE WORK. THE CONTRACTOR, WHEN NECESSARY, SHALL PROVIDE FOR THE FLOW AROUND THE SECTION OF PIPE DESIGNATED FOR REHABILITATION. AT NO TIME SHALL WASTEWATER BE PUMPED INTO THE STREETS, ALLEYS, WATERWAYS, OR STORM DRAIN SYSTEMS. BYPASS SHALL BE MADE BY PLUGGING THE LINE AT AN EXISTING UPSTREAM MANHOLE AND PUMPING THE FLOW INTO A DOWNSTREAM MANHOLE OR ADJACENT SYSTEM. PUMP AND BYPASS LINES SHALL BE OF ADEQUATE CAPACITY AND SIZE TO HANDLE THE FLOW. THE CONTRACTOR SHALL ENSURE THAT NO WASTEWATER OVERFLOWS FROM THE EXISTING PIPE INTO ACCESS PIT(S). IF WASTEWATER DOES OVERFLOW, THE CONTRACTOR SHALL PROVIDE TEMPORARY STORAGE AND PUMPING CAPACITY TO CONTAIN WASTEWATER AND RETURN IT TO THE EXISTING PIPE. IF FLOW BACKUP OCCURS AND ENTERS BUILDINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP, REPAIR, PROPERTY DAMAGE COST, AND REPAIRS TO BUILDINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMEDIATION OF ANY DAMAGE TO ADJACENT PROPERTIES AS A RESULT OF INADEQUATE FLOW CAPACITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMEDIATION OF ANY DAMAGE TO ADJACENT PROPERTIES AS A RESULT OF INADEQUATE FLOW CAPACITY.
- CONTRACTOR SHALL PROVIDE ALL BY-PASS PUMPING AS REQUIRED TO FACILITATE CONSTRUCTION AND SHALL BE CONSIDERED SUBSIDIARY TO THE BID PRICE.
- ANY SERVICES CROSSED WITH MAIN SHALL BE RECONNECTED TO THE SEWER LINE AND SHALL BE CONSIDERED SUBSIDIARY TO THE BID PRICE.

#### EROSION CONTROL NOTES:

- EROSION CONTROL MEASURES SHALL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) THAT IS KEPT ON SITE AT ALL TIMES WITH THE PLANS AND SPECIFICATIONS TO DETERMINE THE LOCATION(S) OF PROJECT INSPECTED BY THE ENGINEER.
- IN ORDER TO MINIMIZE EROSION CONTROL PROBLEMS, GENERAL CONTRACTOR SHALL COORDINATE WITH EXCAVATOR, LANDSCAPE, AND IRRIGATION CONTRACTORS TO DETERMINE EARLIEST POSSIBLE DATE TO INSTALL GRASSING AS NOTED ON THE LANDSCAPE PLAN.
- THE STABILIZED CONSTRUCTION ENTRANCE HAS BEEN SHOWN ARBITRARILY. IT IS THE GENERAL CONTRACTOR'S CHOICE (IN COMPLIANCE WITH ALL CITY AND STATE REGULATIONS) TO DETERMINE THE LOCATION(S) OF PROJECT INSPECTED BY THE ENGINEER. HOWEVER, ALL ENTRANCES AT ALL TIMES SHALL BE PREPARED IN ACCORDANCE WITH THE STABILIZED CONSTRUCTION ENTRANCE DETAILS AND CONTINUOUSLY MAINTAINED UNTIL FINAL PAYING IS ESTABLISHED. CHANGES TO THIS EROSION CONTROL PLAN ARE TO BE LOGGED IN THE SWPPP.
- STABILIZED SLOPES (CURLEX BLANKET AND 70% COVER OF VEGETATION) ACHIEVING EROSION-FREE CONDITIONS MUST BE IN PLACE AND EFFECTIVE BY THE PROJECT "POSSESSION DATE".
- A TEMPORARY ALL-WEATHER SURFACE TO AND COMPLETELY AROUND THE BUILDING PAD SHALL BE REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH FIRE MARSHALL TO DETERMINE ANY VEHICULAR FIRE ACCESS REQUIRED DURING CONSTRUCTION.
- THE EROSION CONTROL PLAN WILL INCORPORATE EROSION CONTROL MEASURES AND TECHNIQUES TO PREVENT SEDIMENTATION AND ERODED SOIL FROM LEAVING THE SITE EITHER IN EXISTING STORM DRAIN SYSTEM OR ONTO ADJACENT PRIVATE AND PUBLIC PROPERTY. CONSTRUCT TEMPORARY EROSION CONTROL SYSTEMS AS SHOWN ON THE PLANS TO PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM EROSION AND SEDIMENTATION. CONTRACTOR SHALL NOTIFY CONSULTING ENGINEER AT ONCE IF SITE CONDITIONS WARRANT ADDITIONAL EROSION CONTROL MEASURES. CONTRACTOR IS RESPONSIBLE FOR TAKING IMMEDIATE ACTION TO REMEDY EROSION CONTROL WHILE CONSULTING ENGINEER IS PREPARING RESPONSE.
- THE CONTRACTOR SHALL STABILIZE THE EARTHEN SLOPE AREAS IN ACCORDANCE WITH THE LANDSCAPE PLAN WITHIN 72 HOURS AFTER FINAL GRADE AND TOPSOIL HAS BEEN ESTABLISHED IN ACCORDANCE WITH THE PROJECT SITEWORK SPECS.
- PRIOR TO COMMENCING ANY CONSTRUCTION, A CONSTRUCTION ENTRANCE AND PERIMETER SILT FENCE SHALL BE INSTALLED AT THE LOCATION(S) SHOWN.
- AS INLETS ARE COMPLETED, TEMPORARY SEDIMENT BARRIERS SHALL BE INSTALLED.
- AT THE COMPLETION OF THE PAVING AND FINAL GRADING, THE DISTURBED AREA(S) SHALL BE REVEGETATED IN ACCORDANCE WITH THE PLANS.
- SILT FENCE AND INLET SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL REVEGETATION HAS BEEN COMPLETED.
- DISTURBED AREAS THAT ARE SEDED OR SODDED SHALL BE CHECKED PERIODICALLY TO SEE THAT GRASS COVERAGE IS PROPERLY MAINTAINED. DISTURBED AREAS SHALL BE WATERED, FERTILIZED, AND RESEED OR RESODDED, IF NECESSARY.
- ALL EROSION CONTROL MEASURES TO BE PLACED BASED ON CONTRACTOR'S BEST JUDGMENT AND CONSTRUCTION PHASING TO MINIMIZE SILT RUNOFF TO THE MAXIMUM EXTENT PRACTICABLE.
- TEMPORARY INLET PROTECTION TO BE REMOVED OR ADDED BASED ON EXISTING STORM SEWER REMOVAL AND/OR PROPOSED STORM SEWER CONSTRUCTION. FUNCTIONING INLETS SHALL BE INLET PROTECTED AT ALL TIMES. (USE PIPE INLET PROTECTION IF NEEDED).
- SHOWN CONSTRUCTION ENTRANCES TO BE PLACED, MODIFIED ON THIS PLAN AND LOGGED IN THE SWPPP BASED ON CONSTRUCTION PHASING AND TO PREVENT EROSION TO THE MAXIMUM EXTENT PRACTICABLE CONSTRUCTION ENTRANCES TO BE PLACED BASED ON CONSTRUCTION PHASING.
- CONTRACTOR SHALL DESIGN AND CONSTRUCT THE WASH-OUT PIT AND CONTAMINANT BASIN IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN AND SUBMIT PROPOSED LOCATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING ANY CONSTRUCTION.

#### STORM SEWER GENERAL NOTES

- ALL STORM SEWER LINES AND APPURTENANCES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THESE PLANS, THE RULES, REGULATIONS, POLICIES AND PROCEDURES OF THE CITY IN WHICH THE CONSTRUCTION OCCURS.
- MANHOLE TOPS & CLEAN-OUTS SHALL BE SET TO THE GRADE ESTABLISHED BY THE SITE GRADING PLAN OR APPLICABLE PLAN-PROFILE SHEETS AND SHALL BE FLUSH WITH FINISHED GRADE.
- UNN-FLEX JUNT SEALER OR APPROVED EQUAL AND PREPARED BENDS AND WYES SHALL BE USED ON ALL STORM SEWER PIPE JOINTS AND CONNECTIONS. ALL JOINTS SHALL BE WATER-TIGHT JOINTS.
- CONTRACTOR MAY SELECT TO USE CORRUGATED, SMOOTH INTERIOR LINED HIGH-DENSITY POLYETHYLENE (HDPE) STORM SEWER PIPE IN PLACE OF CLASS III, C-76 RCP STORM SEWER PIPE WHEN THE FOLLOWING CONDITIONS APPLY:  
A. PIPE IS NOT IN PUBLIC RIGHT-OF-WAY.  
B. ALL PIPE JOINTS SHALL BE WATER-TIGHT.  
C. THE CONNECTIONS OF THE PRIVATE STORM SEWER LINES TO THE PUBLIC SYSTEM WILL NEED TO BE INSPECTED BY THE

#### TREE PRESERVATION NOTE

IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PRESERVE AND PROTECT THE EXISTING IRRIGATION SYSTEM. THE SYSTEM SHALL REMAIN IN OPERATION UNLESS SPECIFIC WRITTEN PERMISSION FROM THE OWNER IS RECEIVED TO TEMPORARILY SUSPEND USE OF THE SYSTEM. ALL IRRIGATION LINES SHALL BE ADJUSTED AS REQUIRED TO ACCOMMODATE PROPOSED SITE GRADING. THE CONTRACTOR SHALL HAVE A LICENSED IRRIGATION CONTRACTOR TO REWORK THE EXISTING IRRIGATION SYSTEM AT THE LOCATION OF NEW CONSTRUCTION. CONTRACTOR SHALL SUBMIT DRAWINGS FOR REVIEW BY ARCHITECT FOR PROPOSED MODIFICATIONS TO THE EXISTING IRRIGATION SYSTEM. ALL IRRIGATION HEADS SHALL BE ADJUSTED TO FINISHED GRADE AS SHOWN ON THE SITE GRADING PLAN. THE IRRIGATION SYSTEM SHALL BE TESTED BY THE CONTRACTOR AND SHALL BE FULLY OPERATIONAL PRIOR TO HYDROMULCHING.



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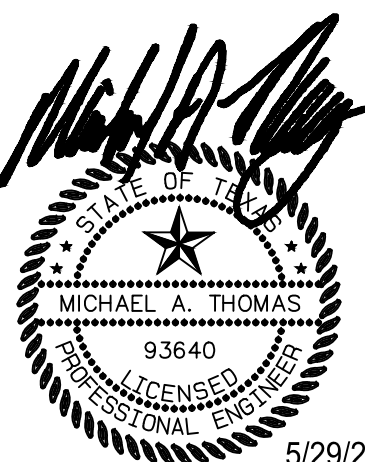
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5/29/2025

#### 100% Construction Documents Review

Date of Statement: 18 Aug 2019

NOT FOR REGULATORY  
APPROVAL, PERMITTING  
OR CONSTRUCTION.

LAUREN V. BROWN  
TEXAS LICENSE #23211

Project Issued: MAY 30,2025

#### REVISIONS

Revision No. Revision Date

Director DRAWN BY  
LVB DRW  
DESIGNER QC  
JMR QUALITY CONTROL  
PROJECT ARCH. JC

#### PROJECT NO.

24-103.00

#### SHEET TITLE

#### GENERAL NOTES

#### SHEET NO.

C1.01

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#### 1 GENERAL NOTES

SCALE: SEE PLAN

B

A

KEY PLAN



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WHITE SETTLEMENT ISD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE AND  
OPERATION WAREHOUSE

NEW MAINTENANCE & OPERATIONS WAREHOUSE



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- WATER GENERAL NOTES
1. THE CONTRACTOR SHALL INSTALL WATER AND SEWER LINES SO AS TO AVOID CONFLICTS WITH OTHER UTILITIES. WATER/SEWER LINE SEPARATIONS SHALL BE MAINTAINED PER TEXAS COMMISSION ON ENVIRONMENTAL QUALITY.
  2. HORIZONTAL BLOCKING HAS BEEN OMITTED FOR CLARITY. HOWEVER, BLOCKING SHALL BE CONSTRUCTED PER CITY STANDARDS. CONCRETE BLOCKING SHALL BE PLACED AT ALL VALVES, BENDS, TEES AND PLUGS.
  3. ALL GATE VALVES FROM 1.5 INCH TO 18 INCHES SHALL BE OF THE RESIDENT SEAT TYPE.
  4. THE UTILITY CONTRACTOR SHALL CONTACT THE CONSTRUCTION SERVICES MANAGER IN PUBLIC WORKS DEPARTMENT/INSPECTIONS PRIOR TO BEGINNING CONSTRUCTION ON ANY PRIVATE WATER LINES.
  5. BE THE UTILITY CONTRACTOR SHALL CONTACT THE PUBLIC WORKS DEPARTMENT/INSPECTIONS, PRIOR TO INSTALLING THE DETECTOR CHECK.
  6. APPROVED PERMANENT BLUE REFLECTIVE FIRE HYDRANT MARKERS SHALL BE PROVIDED ON THE PAVING ADJACENT TO EACH HYDRANT IN THE CENTER OF THE STREET OR FIRE LANE TO ASSIST FIREFIGHTERS WITH LOCATING ON-SITE FIRE HYDRANTS.
  7. PROVIDE LICENSED FIRE SPRINKLER CONTRACTORS SHOP DRAWINGS AND HYDRAULIC CALCULATIONS FOR THE AUTOMATIC SPRINKLER SYSTEM FOR REVIEW AND APPROVAL BY THE FIRE DEPARTMENT AS SOON AS POSSIBLE AND PRIOR TO STARTING INSTALLATION.
  8. THE FIRE DEPARTMENT CONNECTION FOR THE SPRINKLER SYSTEM IS A 4" STORZ CONNECTION AND SHALL BE WITHIN 50 FEET OF THE FIRE LANE AND WITHIN 50 FEET OF THE FIRE HYDRANT, UNLESS OTHERWISE REQUIRED BY THE CITY.
  9. ALL PROPOSED WATER AND SANITARY SEWER LINES ARE TO BE LOCATED AS SHOWN ON THE PLANS. ALL LINES LOCATED WITHIN AREAS OF PAVEMENT SHALL HAVE THE TOP 8" OF BACK FILL REPLACED WITH CRUSHED STONE INCLUDING SERVICES. (NO SEPARATE PAY).
  10. ALL WATER MAIN CLEARANCE FOR PARALLEL SANITARY SEWER MAIN SHALL BE A MINIMUM SEPARATION OF 2 FEET VERTICAL AND 9 FEET HORIZONTAL.
  11. SERVICE LOCATION TO BE STAMPED ON CURB WITH 2" HIGH LETTER "W".
  12. UTILITY CONTRACTOR TO FURNISH AND INSTALL WATER METER BOXES AFTER THE PAVING CONTRACTOR HAS COMPLETED.
  13. CORPORATION STOPS SHOULD BE TESTED FOR LEAKAGE AND FULL FLOW WHEN SYSTEM IS PRESSURE TESTED.
  14. ANY CHANGES FROM APPROVED CONSTRUCTION PLANS SHALL BE APPROVED BY THE WATER UTILITY DEPARTMENT AND A CHANGE ORDER MUST BE OBTAINED FROM THE DESIGN ENGINEER. ANY DERIVATIONS FROM THE STATE REGULATIONS SHALL BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
  15. SERVICE LINE PAY ITEMS WILL INCLUDE TAPPING OF WATER MAIN AND NECESSARY SERVICE LINE AND FITTINGS AS PER STANDARD DETAIL.
  16. THE BID ITEM FOR REMOVAL AND THE SALVAGING OF FIRE HYDRANTS WILL INCLUDE REMOVAL IN A WORKMANLIKE MANNER SO THAT THE FIRE HYDRANT MAY BE REINSTALLED ELSEWHERE IN THE CITY OR ON SITE. THE REMOVAL WILL INCLUDE PLUGGING THE EXISTING WATER LINE, TRANSFERRING THE FIRE HYDRANT TO THE LOCATION DETERMINED BY THE PROJECT OWNER OR AUTHORIZED PROJECT OWNER'S REPRESENTATIVE.
  17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISINFECTION, CHLORINATION AND FLUSHING REQUIREMENTS OF THE CITY. THIS SHALL INCLUDE PROVIDING TEMPORARY ISOLATION VALVES, PLUGS, INJECTION PORTS, FLUSHING VALVES, TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THE TASK.
  18. ALL PVC PIPE AND APPURTENANCES (FITTINGS, VALVES, ETC.) 3" DIA. AND SMALLER SHALL BE CONSTRUCTED AS SHOWN. (NO SEPARATE PAY).
  19. CONTRACTOR SHALL LOCATE, PRESERVE AND PROTECT EXISTING WATER SERVICES. ANY WATER SERVICES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED ENTIRELY FROM THE WATER METER TO THE MAIN LINE AT THE CONTRACTOR'S EXPENSE. NO SPLICING IS ALLOWED.
  20. CONTRACTOR SHALL FIELD LOCATE EXISTING WATER LINES TO BE CONNECTED TO PRIOR TO COMMENCING WORK. IF A DISCREPANCY EXISTS BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. SUCH VERIFICATION SHALL BE CONSIDERED SUBSIDIARY TO THE BID PRICE WITH NO SPECIAL PAY.
  21. ALL WATER LINES AND APPURTENANCES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THESE PLANS, THE RULES, REGULATIONS, POLICIES, AND PROCEDURES OF THE CITY IN WHICH THE CONSTRUCTION OCCURS.
  22. ALL DRIP TYPE BACKFLOW PREVENTERS SHALL BE INSTALLED IN A FREEZE-PROOF ENCLOSURE WITH HEATER AND THERMOSTAT. CONTRACTOR SHALL ENSURE THAT ELECTRICITY IS PROVIDED FOR THE HEATER IN COMPLIANCE WITH ALL APPLICABLE BUILDING CODES.
  23. ALL WATER SERVICES SHALL BE RECONNECTED TO THE MAIN AND SHALL BE CONSIDERED SUBSIDIARY TO THE BID PRICE.
  24. ALL ABOVE GROUND RP2'S THAT ARE EXTERIOR TO THE BUILDING SHALL HAVE AN ENCLOSED INSULATED AND HEATED BOX PROVIDED. POWER SHALL BE PROVIDED AS DESIGN BUILT TO THE LOSSARY. RECUIT CAPABLE OF POWER REQUIREMENTS.
  25. ALL SERVICE TAPS TO MAINS SHALL INCLUDE FULL DEPTH OF CUT, REMOVAL OF EXISTING PAVEMENT AND REPLACEMENT OF PAVEMENT FULL PANEL AND AS REQUIRED BY GOVERNING ENTITY.
  26. ALL SERVICE TAPS SHALL BE INSTALLED AS REQUIRED BY GOVERNING ENTITY.
  27. ALL FIRE HYDRANT ASSEMBLIES SHALL INCLUDE A FIRE HYDRANT, 6" DR-14, C-900 PVC WATER PIPE, TEE AND RESILIENT SEAT GATE VALVE AND VALVE BOX. PVC PIPE CONFORMING TO AWWA STANDARD C900 DR-14 MINIMUM, WITH NSF SEAL UNLESS STATED DIFFERENTLY ON CONSTRUCTION PLANS. PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH THE NCCCOG STD. SPECS. WATER MAINS TO HAVE A MINIMUM OF 4" OF COVER MEASURED FROM THE TOP OF PIPE TO THE EXISTING GROUND OR PROPOSED FINISHED GRADE, WHICHEVER IS GREATER. SERVICE LINE CONNECTORS SHALL BE COMPRESSION-TYPE WITH STAINLESS STEEL TUBE LINES.
  28. FIRE HYDRANTS SHALL BE LOCATED OUTSIDE OF SIDEWALK.
  29. ALL WATER LINES TO BE ENCASED IN SAND. BACK FILL SHALL BE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY.
  30. ALL WATER METERS INSTALLED UNDER THIS CONTRACT SHALL ADHERE TO TCDO REGULATIONS. ALL METERS SHALL BE INSTALLED WITH DOUBLE CHECK VALVES IN ACCORDANCE WITH TCDO REGULATIONS.
  31. FIRE HYDRANT ASSEMBLY AND ITEMS WILL INCLUDE THE FIRE HYDRANT, THE PIPE EXTENSION FROM THE TEE, AND ALL NECESSARY FITTINGS INCLUDING THE 6" GATE VALVE AND BOX. ALL VALVES AND FIRE HYDRANTS TO BE PER CITY SPECIFICATIONS. HYDRANTS TO BE PAINTED PER CITY STANDARD.
  32. ANY WATER VALVES LOCATED WITHIN PAVEMENT AREAS SHALL BE ADJUSTED TO FINAL GRADE BY THE PAVING CONTRACTOR. THE PAVING CONTRACTOR SHALL CONSTRUCT A TYPICAL CONCRETE BLOCK OUT PER DETAILS.
  33. WATER LINES SHALL BE INSTALLED AS SHOWN ON THE PLANS. HOWEVER, FIELD ADJUSTMENTS APPROVED BY THE INSPECTOR OR ENGINEER MAY BE MADE TO LESSEN DAMAGE TO THE ROAD PAVEMENT OR WHEN OTHER UTILITY LOCATIONS, TREES, OR STRUCTURES WARRANT SUCH AN ADJUSTMENT.
  34. ALL FITTINGS SHALL BE DUCTILE IRON MEGALON JOINT W/ MEGA LOGS. THE BID ITEM FOR D.I.M.J. FITTINGS WILL INCLUDE ALL NECESSARY BLOCKING.
  35. VALVES, FIRE HYDRANTS, BENDS, AND ASSOCIATED APPURTENANCES SHALL BE INSTALLED WHERE DESIGNATED ON THESE PLANS. ANY DEVIATION FROM THE PLANS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE AND ENGINEER.

- PAVING AND STRIPING GENERAL NOTES
1. NO SAND SHALL BE USED UNDER ANY PAVEMENT - NO EXCEPTIONS.
  2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT DETAILING LOCATION AND LAYOUT OF CONSTRUCTION JOINTS, EXPANSION JOINTS AND SAW CUTS FOR ALL CONCRETE PAVING ON THE SITE (DRIVES, SIDEWALKS, ETC.).
  3. AN EXPANSION JOINT AS DETAILED, WITH A CONCRETE HEADER, SHALL BE CONSTRUCTED AT THE END OF EACH DAY'S CONCRETE PLACEMENT.
  4. CONTRACTOR SHALL REPAIR ALL HONEYCOMBING PRIOR TO BACK FILL.
  5. THE CONTRACTOR SHALL NOT STAND, PARK, DRIVE ON, OR IN ANY WAY DISTURB OR DAMAGE STEEL REINFORCING FOR SITE WORK. ALL REINFORCEMENT SHALL BE CHAIRED UP ACCORDING TO PLANS AND SPECIFICATIONS.
  6. SUBGRADE SHALL BE MAINTAINED TO WITHIN THE SPECIFIED REQUIREMENTS OF MOISTURE AND DENSITY UNTIL PAVING IS PLACED. PRIOR TO PLACING PAVEMENT, THE CONTRACTOR SHALL BE TEST THE AREAS SELECTED BY THE CONSTRUCTION MATERIALS TESTING LAB PERSONNEL AT THE CONTRACTORS OWN EXPENSE, OR IF REQUESTED BY THE OWNER, ARCHITECT OR ENGINEER, AND IF THE SUBGRADE HAS BEEN PLACED AND ACCEPTED FOR LONGER THAN TEN (10) DAYS AND NO PAVEMENT HAS BEEN CONSTRUCTED.
  7. ALL SITE EXPANSION JOINTS SHALL BE CONSTRUCTED OF REDWOOD.
  8. ALL SIDEWALKS, SEPARATE CURBS, FLUMES AND MOW STRIPS SHALL HAVE TOOLED JOINTS AT A MAXIMUM SPACING OF 5' C&W AND EXPANSION JOINTS AT A MAXIMUM OF 30' C&W. ALL JOINTS SHALL BE INSTALLED WITHIN 10 HOURS OF PLACEMENT.
  9. ALL SITE PAVING SHALL HAVE SAW CUT JOINTS ON A MAXIMUM OF 12' C&W AND EXPANSION JOINTS ON A MAXIMUM OF 90' C&W. ALL JOINTS SHALL BE INSTALLED WITHIN 10 HOURS OF PLACEMENT.
  10. WHERE REINFORCING IS NOT SPECIFICALLY DETAILED, REINFORCING FOR PAVING SHALL BE AT A MINIMUM, NO. 4 REBARS AT 12" O.C.E.W.
  11. UNLESS SPECIFICALLY NOTED ON PLANS, ALL CONCRETE PAVING, SIDEWALKS, SLABS, AND MISCELLANEOUS UTILITY INFRASTRUCTURES SHALL BE AT A MINIMUM, 4000 PSI PORTLAND CEMENT CONCRETE AT 28 DAYS.
  12. THE CONTRACTOR SHALL BACK FILL ALL CURBS WITHIN 48 TO 72 HOURS OF PLACEMENT.
  13. STREET CUT PERMIT (ISSUED BY PUBLIC WORKS DEPARTMENT) IS REQUIRED BEFORE CUTTING IN ANY CITY STREET.
  14. ALL EXISTING DRIVEWAYS SHALL BE CONNECTED TO THE PROPOSED PAVEMENT AS DETAILED.
  15. THE SIDEWALKS AND/OR PEDESTRIAN ROUTES, AS SHOWN ON THESE PLANS, SHALL BE CONSTRUCTED TO COMPLY WITH ALL ADA REQUIREMENTS. BARRIER FREE RAMPS SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON THE PLANS. ALL RAMPS LONGER THAN 6' LONG SHALL INCLUDE HANDRAILS WITH EDGE PROTECTION AS REQUIRED BY TOLR.
  16. ALL TALL CURBS OR RETAINING WALLS WITH AN ELEVATION CHANGE OF 30" OR GREATER SHALL BE CONSTRUCTED WITH GUARDRAILS PER TOLR AND OSHA REQUIREMENTS. CONTRACTOR TO PROVIDE SUBSIDIARY TO BID PRICE..
  17. ALL STAIRS SHALL HAVE HANDRAILS AS REQUIRED BY TOLR.
  18. ALL REINFORCING STEEL AND DOWEL BARS IN PAVEMENT SHALL BE SUPPORTED AND MAINTAINED AT THE CORRECT CLEARANCES BY THE USE OF BAR CHAIRS.
  19. ALL CONSTRUCTION JOINTS SHALL BE SAWED, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED WITH SILICONE JOINT SEALING COMPOUND.
  20. ALL SIDEWALKS SHALL HAVE TOOLED JOINTS AT MAX. 5' SPACING.
  21. FOR ALL PAVING AND SIDEWALKS: IN AREAS WHERE SUBGRADE IS NOT SPECIFIED ON PLANS, THE CONTRACTOR SHALL FURNISH AND INSTALL 12" THICK FLEXIBLE BASE, 1xSDOT ITEM 247, GRADE A, TYPE 1, COMPACTED TO A MINIMUM 95% ASTM D-698 STD PROCTOR DENSITY.
  22. EXPANSION JOINTS SHALL BE CONSTRUCTED AT A MAXIMUM OF 90' CENTERS AND SHALL BE LOCATED AT ALL STRUCTURES, INTERSECTION POINTS, POINTS OF CURVATURE, POINTS OF TANGENCY, AND AT PAVEMENT WIDTHS.
  23. CONTRACTOR SHALL FILL IN ALL HOLES, OPENINGS, AND TRENCH REPAIR LEFT CONCRETE STRUCTURES. PAVEMENT FOR PASSAGE OF WORK BY OTHER TRADES OR OTHER WORK OF OTHER TRADES IS COMPLETED. ALL PLACES AND FILL CONCRETE HEREIN SPECIFIED TO BLEND WITH IN-PLACE CONSTRUCTION, PROVIDE OTHER MISCELLANEOUS CONCRETE FILLING SHOWN OR REQUIRED AS INTERPRETED BY THE ENGINEER OR ARCHITECT TO COMPLETE THE WORK. COMPLETED WORK SHALL RESULT IN FULLY FUNCTIONAL PROJECT WITHIN PROPOSED DRIVEWAYS OR PARKS.
  24. ALL PAVING IN DRIVE-ABLE AREAS THAT DO NOT HAVE CURB AND GUTTER SHALL BE CONSTRUCTED WITH THICKENED EDGE AS DETAILED.
  25. ALL PAVING WITHOUT CURBS ALONG THE PERIMETER OF THE PAVING SHALL BE INSTALLED WITH A THICKENED EDGE, MINIMUM OF 12" THICK.

26. ALL MOTORIZED GATES REQUIRING ELECTRICAL POWER TO OPERATE SHALL INCLUDE CONDUITS AND POWER AS REQUIRED TO OPERATE. THE POWER DESIGN SHALL BE PROVIDED BY THE CONTRACTOR AS DESIGN BUILD AND ROUTED TO THE CLOSEST CIRCUIT CAPABLE OF PROVIDING POWER TO OPERATE THE GATE PROPERLY. ALL MOTORIZED GATES SHALL INCLUDE CONDUIT, VIDEO AND VOICE COMMUNICATION LINES FROM THE BUILDING TO THE GATE KEY PAD AND CONTROLLERS AS DESIGN BUILD BY CONTRACTOR.
27. ALL CALL OUTS ON THE GRADING PLAN THAT INDICATE EITHER TW OR BW SHALL INDICATE A NEW RETAINING WALL TO BE CONSTRUCTED WITH GUARDRAILS. IF NO DETAILS ARE PROVIDED IN PLANS, CONTRACTOR SHALL PROVIDE A DESIGN BUILD FOR THE RETAINING WALL TO BE SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER WITHIN THE STATE OF TEXAS. DESIGN BASIS OF THE RETAINING WALL SHALL BE A MINIMUM OF 4,000PSI CONCRETE AND SHALL INCLUDE A 6" DIA PERFORATED FRENCH DRAINAGE TO BE TIED TO THE CLOSEST STORM SEWER WITHIN 100' OF THE WALL OR WEEPS THROUGH THE FACE OF WALL IF STORM SEWER IS NOT AVAILABLE WITHIN 100' OR UNAVAILABLE TO GRAVITY DRAIN TO.

- GRADING AND EROSION CONTROL GENERAL NOTES
1. CONSTRUCTION OPERATIONS SHALL BE MANAGED SO THAT AS MUCH OF THE SITE AS POSSIBLE IS LEFT COVERED WITH EXISTING TOP SOIL AND VEGETATION.
  2. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH. THE AREAS SHALL THEN BE SEEDDED (OR SODDED), IRRIGATED, AND MAINTAINED UNTIL A PERMANENT STAND OF GRASS IS ACHIEVED WITH A MINIMUM OF 70% COVERAGE. UNLESS OTHERWISE NOTED, PRIVATE LAWN AREAS AND PARKWAYS IN FRONT OF PRIVATE LAWN AREAS DISTURBED BY CONSTRUCTION SHALL BE REPLACED WITH BLOCK SOD SIMILAR TO EXISTING CONDITIONS.
  3. CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE AT ALL PRIMARY POINTS OF ACCESS. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION TRAFFIC UTILIZES THE STABILIZED ENTRANCE AT ALL TIMES FOR INGRESS/EGRESS TO THE SITE.
  4. CONSTRUCTION ENTRANCE:
    - MINIMUM SIZE STONE: 4-INCHES DIAMETER
    - THICKNESS: NOT LESS THAN 8-INCHES
    - LENGTH: AS SHOWN ON PLAN AND IN DETAILS
    - WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS AND EGRESS, OR A MINIMUM OF 25 FEET.
    - MAINTENANCE REQUIREMENTS: AS NECESSARY TO PREVENT TRACKING OR FLOWING MUD INTO PUBLIC RIGHT-OF-WAY OR PARKING AREAS.
  5. SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ON A PUBLIC ROADWAY SHALL BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ALL FINES IMPOSED FOR TRACKING SHALL BE PAID BY THE CONTRACTOR.
  6. CONTRACTOR IS RESPONSIBLE FOR PROPER MAINTENANCE OF THE REQUIRED EROSION CONTROL DEVICES THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. EROSION CONTROLS SHALL BE REPAIRED OR REPLACED AS INSPECTION DEEMS NECESSARY, OR AS DIRECTED BY THE OWNER. ANY EROSION CONTROL DEVICES WHICH ARE DAMAGED OR REMOVED SHALL BE REPAIRED AND SHALL BE DISTRIBUTED ON SITE IN A MANNER NOT CONTRIBUTING TO ADDITIONAL SITUATION. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING ANY EROSION CONTROL DEVICE WHICH IS DISTURBED.
  7. CONTRACTOR STAGING AREA TO BE AGREED UPON BY OWNER PRIOR TO BEGINNING CONSTRUCTION.
  8. IF A GRADING PERMIT IS REQUIRED FROM THE CITY PRIOR TO STARTING CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMIT AND PAYING ALL ASSOCIATED FEES.
  9. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE EXISTING AND PROPOSED BUILDINGS AND NO PONDING IN PAVED AREAS. CONTRACTOR ADJUSTMENTS TO SPOT GRADES TO MAINTAIN POSITIVE DRAINAGE ARE ALLOWED WITH THE PRIOR APPROVAL OF THE ENGINEER. CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO ANY PAVING IF ANY AREAS OF POOR DRAINAGE ARE ENCOUNTERED.
  10. ALL CLEARING, GRADING, COMPACTION AND SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
  11. BEFORE PAVING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE HANDICAPPED ROUTES (PER A.D.A. AND I.A.S.) EXIST TO AND FROM EVERY DOOR. IN NO CASE SHALL ADA RAMP SLOPES EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPES EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPES EXCEED 5.0 PERCENT. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCOED FOR A.D.A. AND I.A.S. COMPLIANCE ISSUES.
  12. ALL AREAS OF THE SITE INCLUDING ANY OFF-SITE AREA THAT IS DISTURBED BY CONSTRUCTION ACTIVITIES, SHALL RECEIVE AT A MINIMUM, HYDROMULCH AND 8" OF TOP-SOIL. REFER TO LANDSCAPE, DEMOLITION, GRADING, PAVING, DRAINAGE, WATER, SEWER, IRRIGATION AND SEDIMENT CONTROL PLANS TO DETERMINE ALL LIMITS OF DISTURBANCE. CONTRACTOR SHALL PROVIDE SOD AS REQUIRED ELSEWHERE IN THE PLANS.
  13. SUPPLY THE SEEDD AREAS WITH ADEQUATE MOISTURE (4" PENETRATION) AT TEN (10) DAY INTERVALS, IF NEEDED, FOR SEED GERMINATION AND PLANT GROWTH UNTIL ACCEPTANCE BY THE OWNER. WATER THE SEED IN A MANNER WHICH WILL PREVENT EROSION OF THE SOIL. FURNISH ALL WATER TO BE USED. REPAIR WASHOUTS AND OTHER BARE SOIL AREAS IN A SEEDD AREA EITHER BY RE-SEEDING, SPRIGGING, OR SPOT-SODDING, AND PERFORM MAINTENANCE AS NEEDED TO ESTABLISH GRASS IN THE AREA. CONTROL COMPETITIVE WEED GROWTH DURING THE ESTABLISHMENT PERIOD WITH HERBICIDES. CHEMICAL USAGE SHALL BE IN ACCORDANCE WITH THE CURRENT RECOMMENDATIONS OF THE TEXAS AGRICULTURAL EXPERIMENT STATION OR LOCAL SOIL CONSERVATION SERVICE FIELD OFFICE TECHNICAL GUIDES. STRICTLY ADHERE TO ALL FEDERAL, STATE, AND LOCAL LAWS GOVERNING HERBICIDES. WEED CONTROL SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHETHER TOPSOIL IS FROM ON-SITE OR OFF-SITE SOURCES AND ALSO FOR SEEDD AREAS WHICH ARE SPECIFIED NOT TO RECEIVE TOPSOIL.
  14. ANY AREAS WHICH ARE DISTURBED BY THE CONTRACTOR WHICH ARE NOT SHOWN ON THE DRAWINGS, OR SPECIFIED TO REQUIRE DISTURBANCE INCLUDING ANY APPROVED AREAS NOT SHOWN ON THE DRAWINGS, SHALL BE CONSIDERED AS UNAUTHORIZED DISTURBED AREAS. ANY SUCH AREAS SHALL BE SEEDD AS SPECIFIED IN THIS SECTION AT THE CONTRACTOR'S EXPENSE AND NO SEPARATE PAY.

- SPECIAL INSTRUCTIONS COVERING TESTING OF COMPACTION OF TRENCH BACK FILL
1. TRENCH BACK FILL COMPACTION SHALL BE TESTED AT THE MORE STRINGENT OF THE GEOTECHNICAL REPORT OR AT THE RATE OF ONE (1) TEST PER 100 LINEAR FEET PER 12 INCH LIFT (LOOSE). TESTS SHALL BE STAGGERED SO THAT TESTS OF ADJACENT LIFTS ARE NOT DIRECTLY OVER TEST LOCATION OF PREVIOUS LIFT.
  2. WHERE CONNECTOR DISTANCE BETWEEN MANHOLES EXCEEDS 100 FEET, A MINIMUM OF TWO (2) TESTS PER LIFT, AS OUTLINED ABOVE, SHALL BE REQUIRED.
  3. THE CONTRACTOR SHALL USE METHODS OF CONSTRUCTION THAT MEET OR EXCEED OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS AND OTHER LOCAL, STATE OR FEDERAL REGULATIONS FOR SAFETY THAT ARE IN EFFECT. THE CONTRACTOR SHALL HAVE A TRENCH SAFETY PLAN PREPARED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
  4. TESTING LABORATORY SHALL MAKE ONE IN PLACE DENSITY TEST FOR EACH 5,000 SQ FT OF AREA PER LIFT (6" LOOSE LIFTS.) BUT IN NO CASE LESS THAN TWO TESTS, AND ONE TEST PER 100 LINEAR FEET OF BACKFILL AREA ADJACENT TO GRADE BEAMS, TO INSURE THAT THE SPECIFIED DENSITY IS OBTAINED. IF THE GEOTECHNICAL REPORT REQUIRES A MORE STRINGENT TESTING REGIMEN, THE GEOTECHNICAL RECOMMENDATIONS SHALL BE FOLLOWED.

- FIRE LANES AND FIRE LANE STRIPING
1. FIRE LANES SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 24 FEET OR 26 FEET WHEN LOCATED WITHIN 35 FEET OF ANY STRUCTURE IN EXCESS OF 36 FEET IN HEIGHT, UNLESS OTHERWISE REQUIRED BY THE CITY. AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FEET 6 INCHES IS REQUIRED, UNLESS OTHERWISE REQUIRED BY THE CITY.
  2. WHERE RED STRIPE INTERSECTS WITH A CURB LINE, PAINT FACE AND TOP OF CURB RETURN.
  3. PAINT 4 INCH HIGH LETTERING WITH A 1 INCH STRIPE CENTERED ON RED STRIPE TO READ "NO PARKING" - "FIRE LANE". THIS LETTERING SHALL BE PAINTED EVERY 20 FEET OR AS REQUIRED BY THE CITY, AS MEASURED FROM THE END OF ONE LETTERING GROUP TO THE BEGINNING OF THE NEXT GROUP, WITH A 4' FOOT SPACE BETWEEN "NO PARKING" AND "FIRE LANE". (NOTE: QUOTES ARE USED IN THIS DESCRIPTION FOR EMPHASIS ONLY AND ARE NOT TO BE PAINTED WITH THE LETTERING)

2 GENERAL NOTES 2  
SCALE: SEE PLAN

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KEY PLAN

B  
A  
SHEET NO.

C1.02

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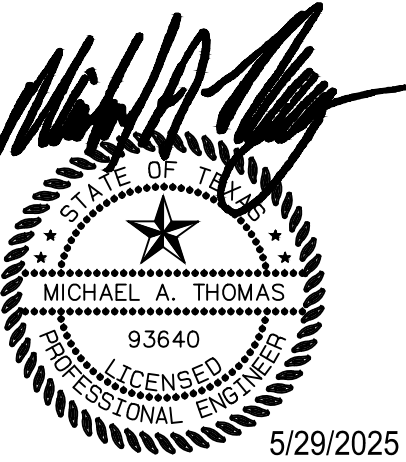
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TEXAS LICENSE #23211

Project Issued: MAY 30,2025

REVISIONS

Revision No. Revision Date

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LVB  
DESIGNER  
JMR  
PROJECT ARCH.  
JCL  
DRAWN BY  
DRW  
QUALITY CONTROL  
QC

PROJECT NO.

24-103.00

SHEET TITLE

GENERAL NOTES 2

SHEET NO.

NEW MAINTENANCE AND  
OPERATION WAREHOUSE

NEW MAINTENANCE & OPERATIONS WAREHOUSE

WHITE SETTLEMENT ISD  
WHITE SETTLEMENT, TX



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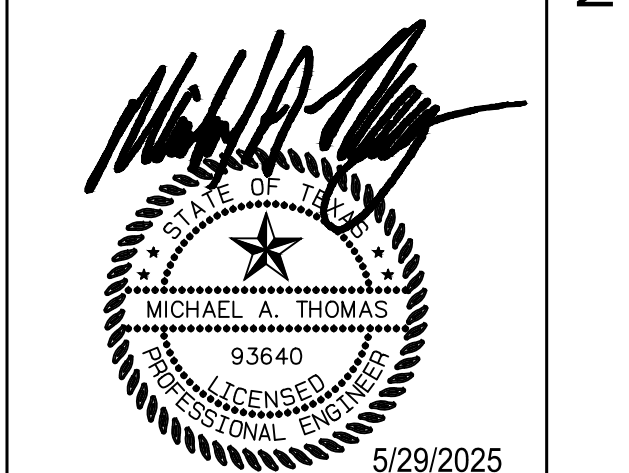
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24-103.00

SHEET TITLE

SITE PLAN

SHEET NO.

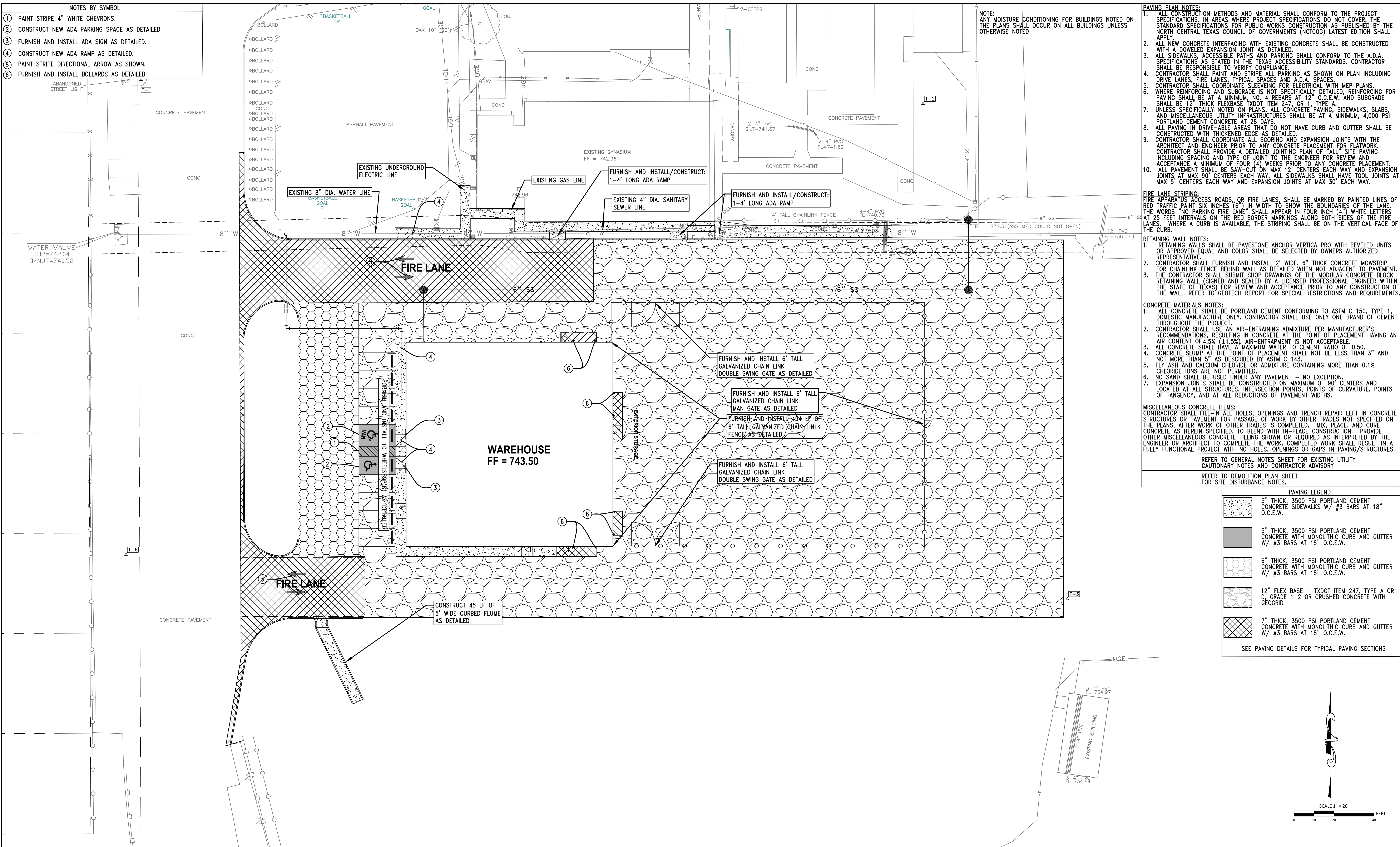
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3 SITE PLAN  
SCALE: SEE PLAN

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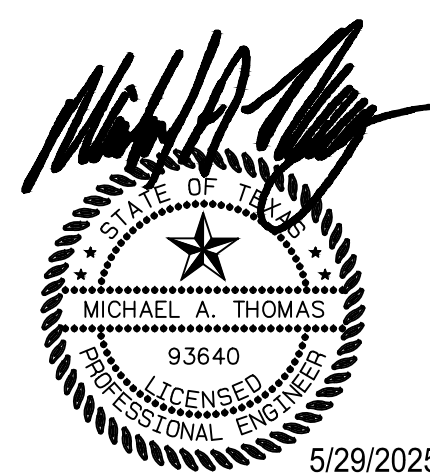
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PROJECT NO.

24-103.00

SHEET TITLE

DIMENSION CONTROL PLAN

SHEET NO.

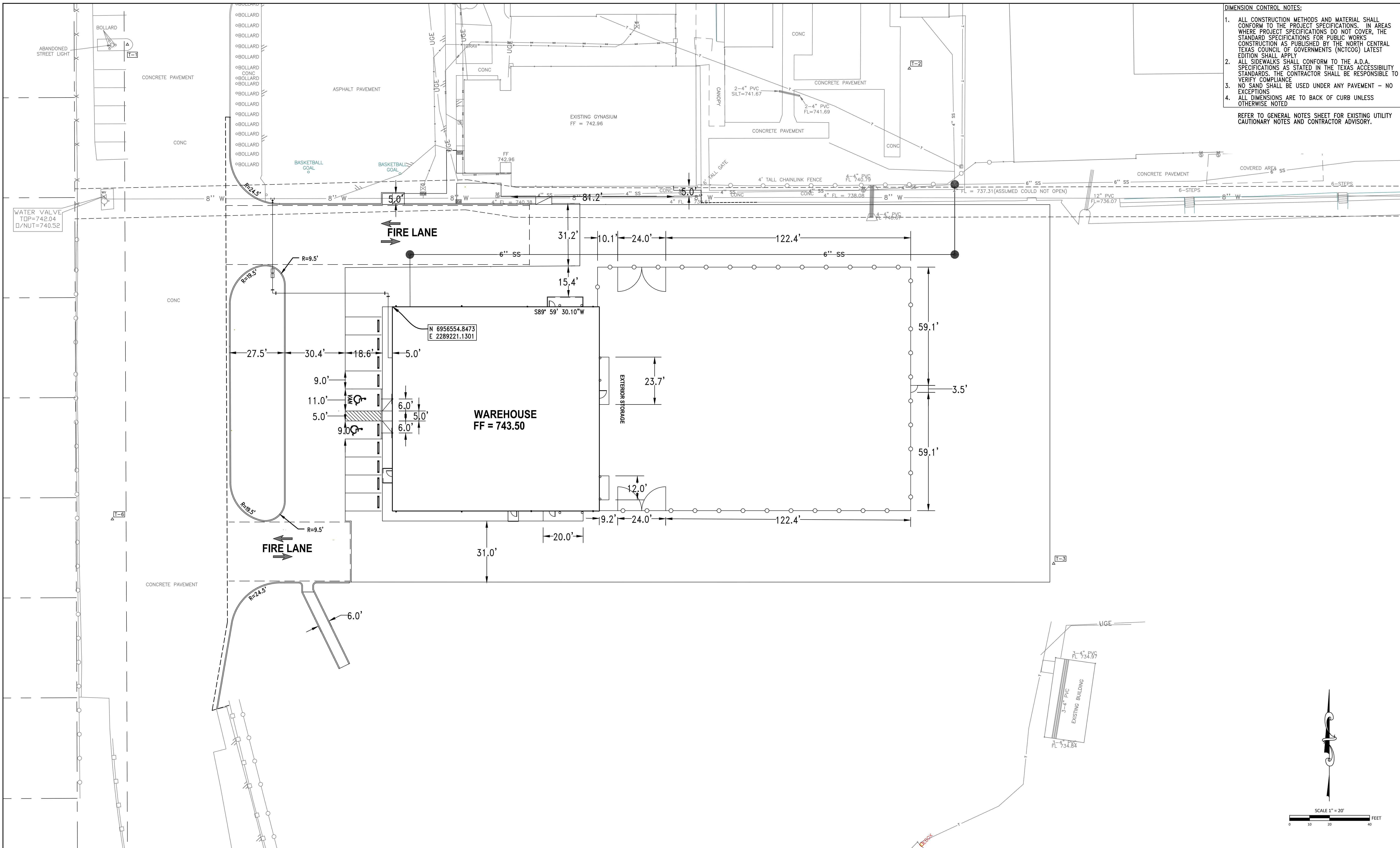
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5 DIMENSION CONTROL PLAN  
SCALE: SEE PLAN



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SHEET TITLE

OVERALL GRADING PLAN

SHEET NO.

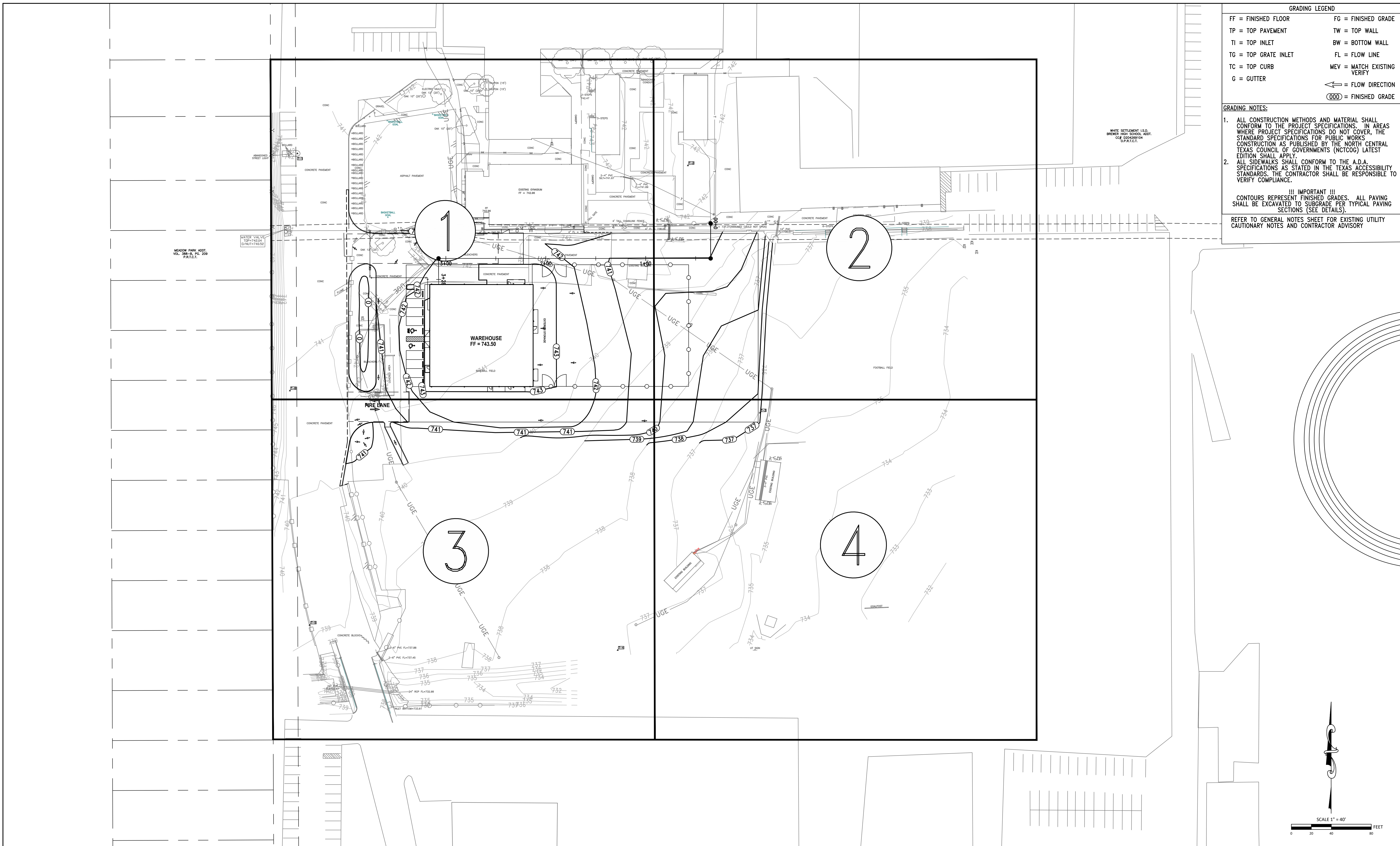
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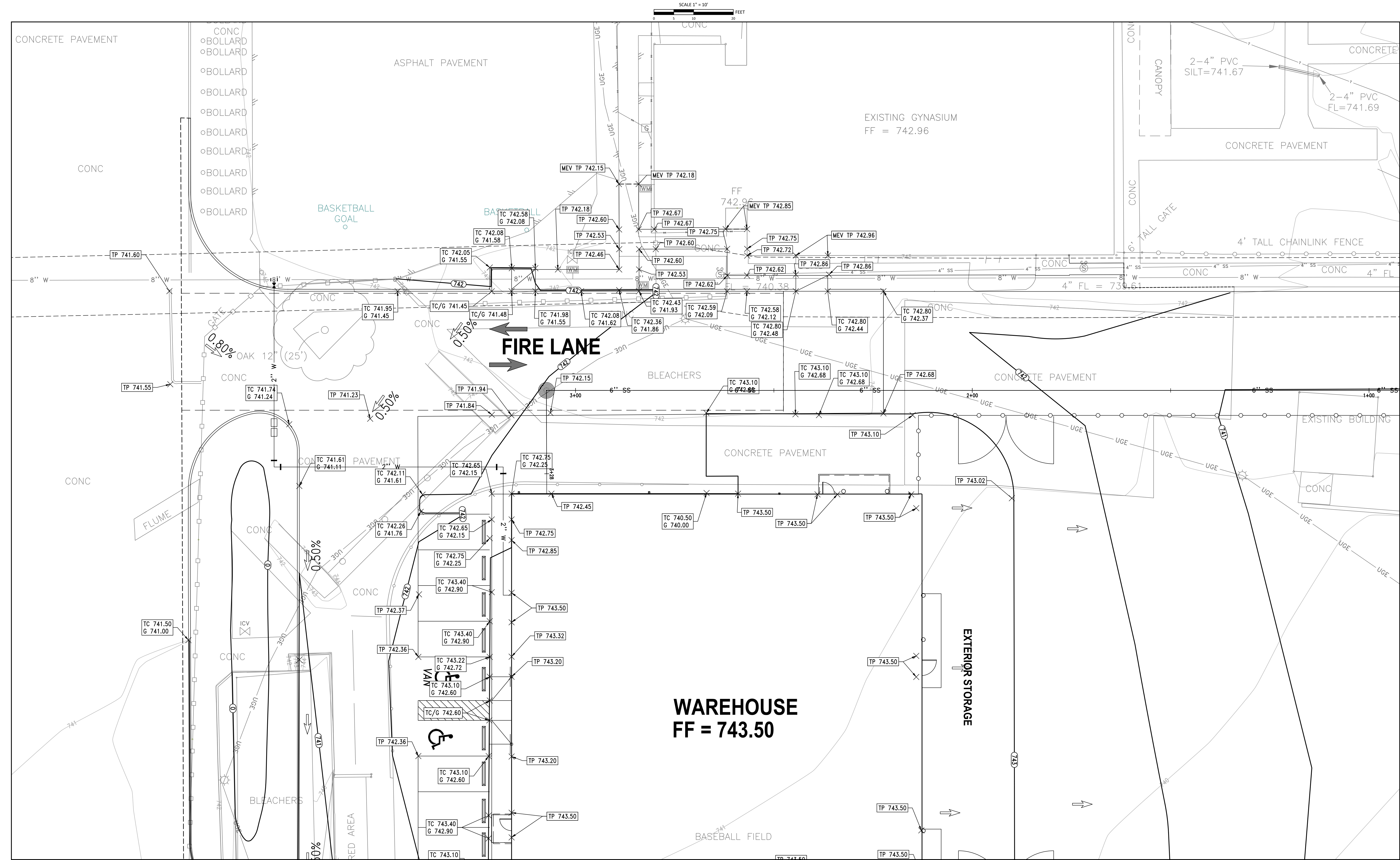
6 OVERALL GRADING PLAN  
SCALE: SEE PLAN

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KEY PLAN



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7 GRADING PLAN 1  
SCALE: SEE PLAN

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PROJECT NO.  
**24-103.00**

SHEET TITLE  
GRADING PLAN 1

SHEET NO.

**C1.07**

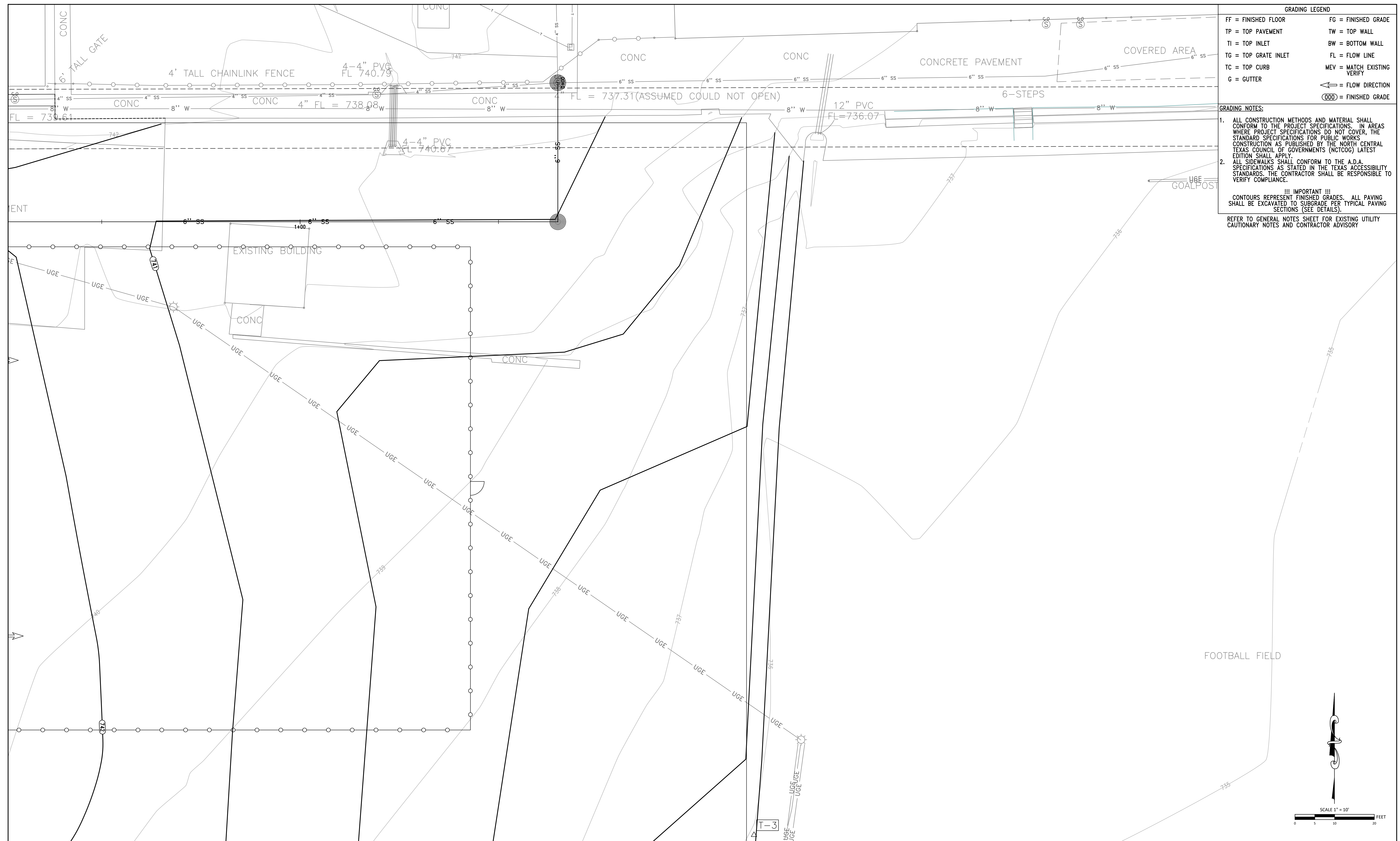
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**8 GRADING PLAN 2**  
SCALE: SEE PLAN

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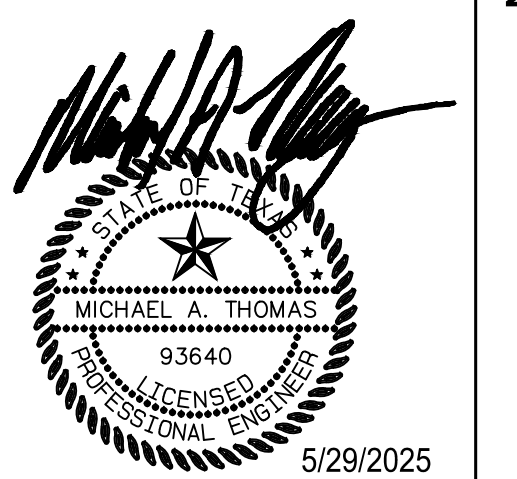
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SHEET TITLE

GRADING PLAN 2

SHEET NO. \_\_\_\_\_

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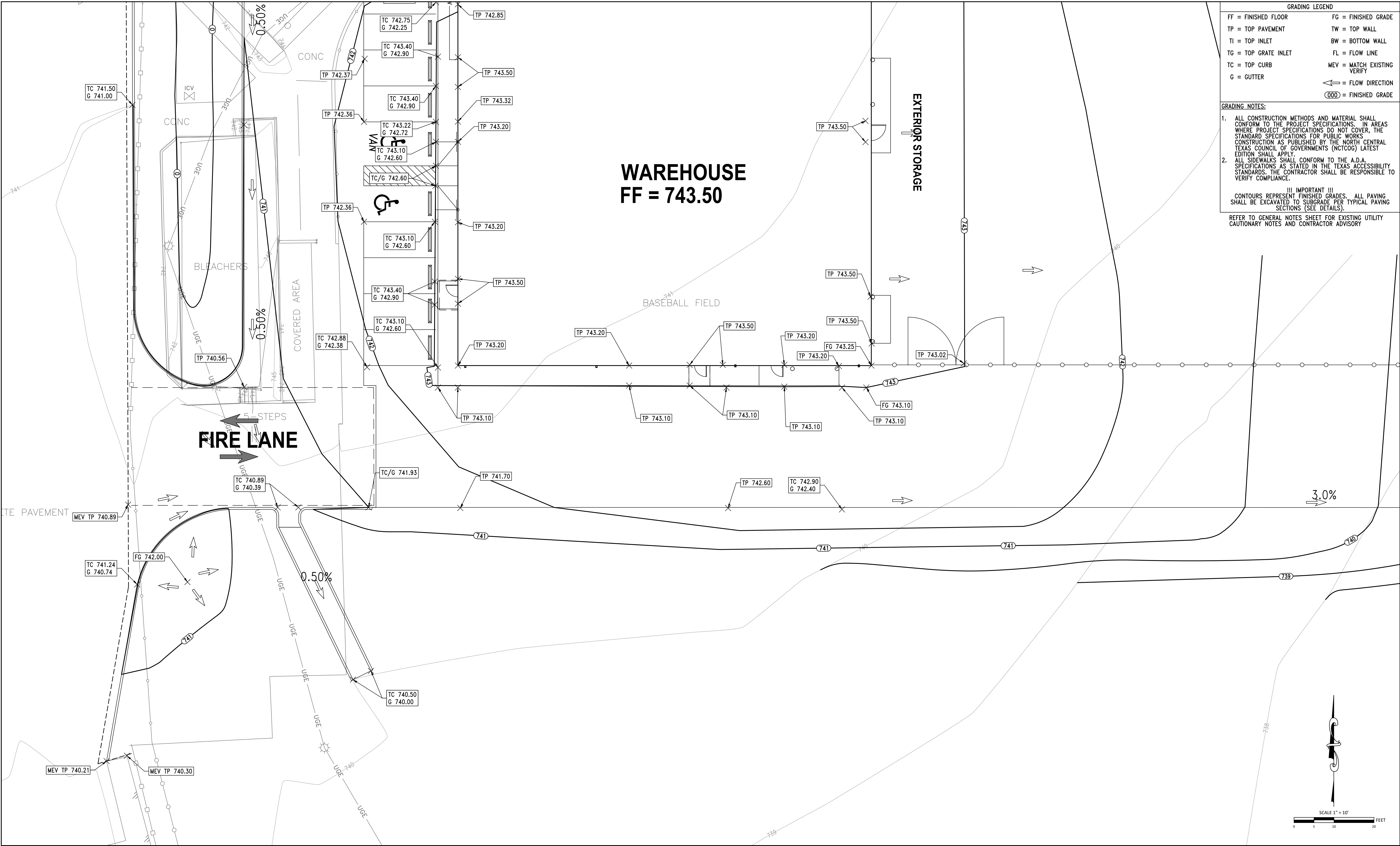
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## NEW MAINTENANCE AND OPERATION WAREHOUSE

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9 GRADING PLAN 3  
SCALE: SEE PLAN

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GRADING PLAN 3

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**10 GRADING PLAN 4**  
SCALE: SEE PLAN

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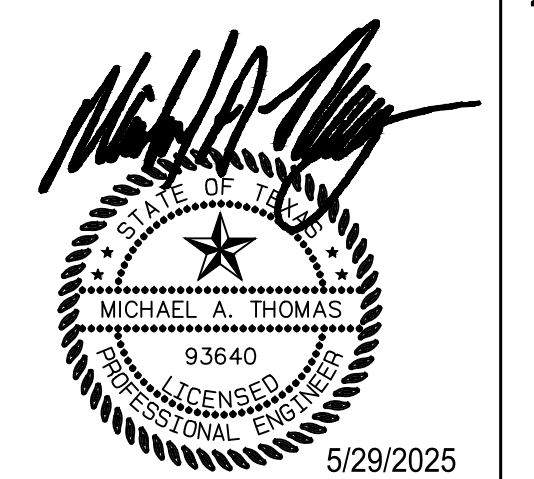
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SHEET TITLE

TRADING PLAN 4

SHEET NO. \_\_\_\_\_

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QUALITY CONTROL  
QC

PROJECT NO.

24-103.00

SHEET TITLE

WATER PLAN

SHEET NO.

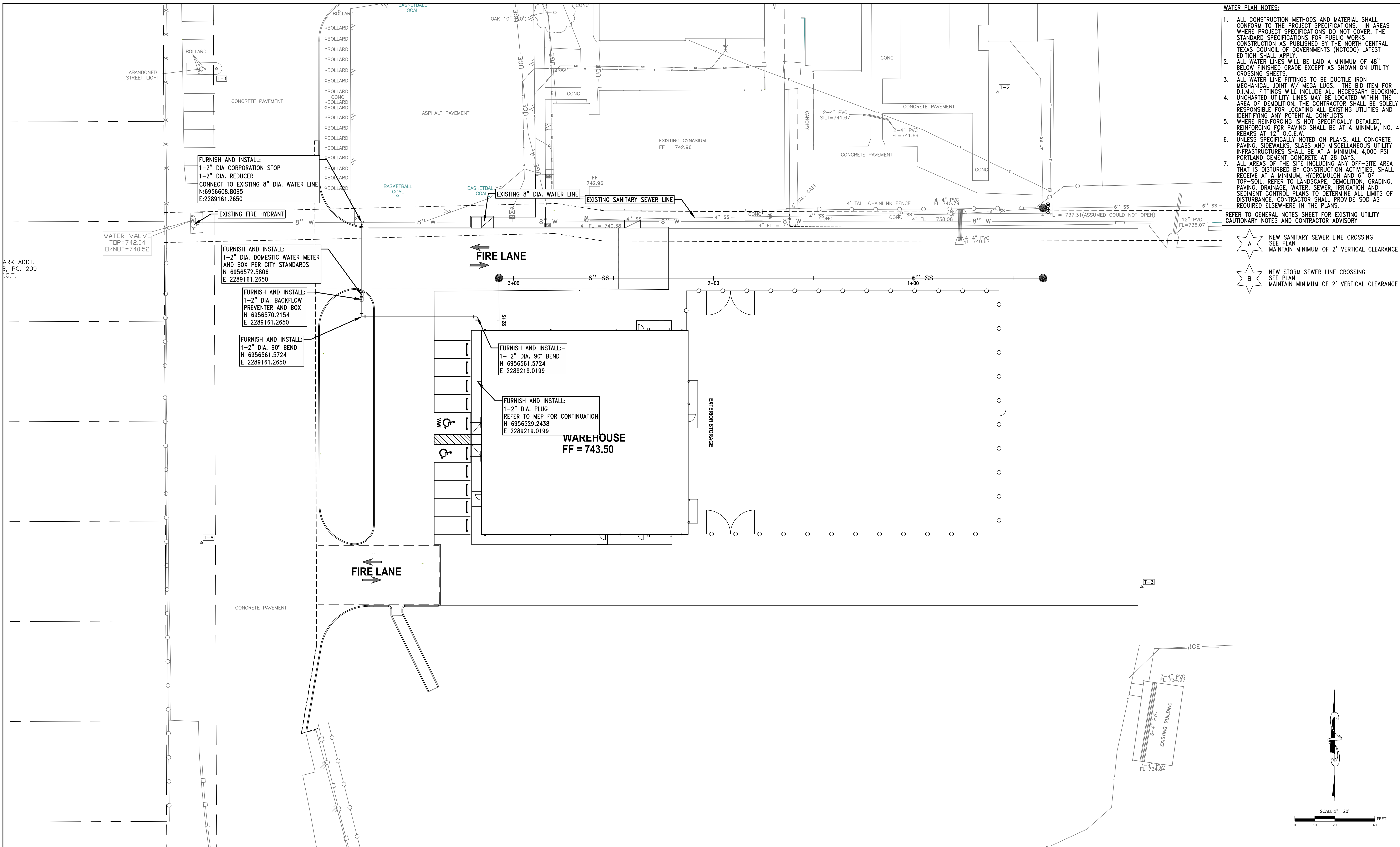
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11 WATER PLAN  
SCALE: SEE PLAN

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MUT NO. - 511-047

KEY PLAN



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LAUREN V. BROWN  
TEXAS LICENSE #23211

Project Issued: MAY 30, 2025

REVISIONS

Revision No. Revision Date

Director LVB  
DESIGNER JMR  
PROJECT ARCH. JCL

DRAWN BY DRW  
QUALITY CONTROL QC

PROJECT NO.

24-103.00

SHEET TITLE

SANITARY SEWER PLAN

SHEET NO.

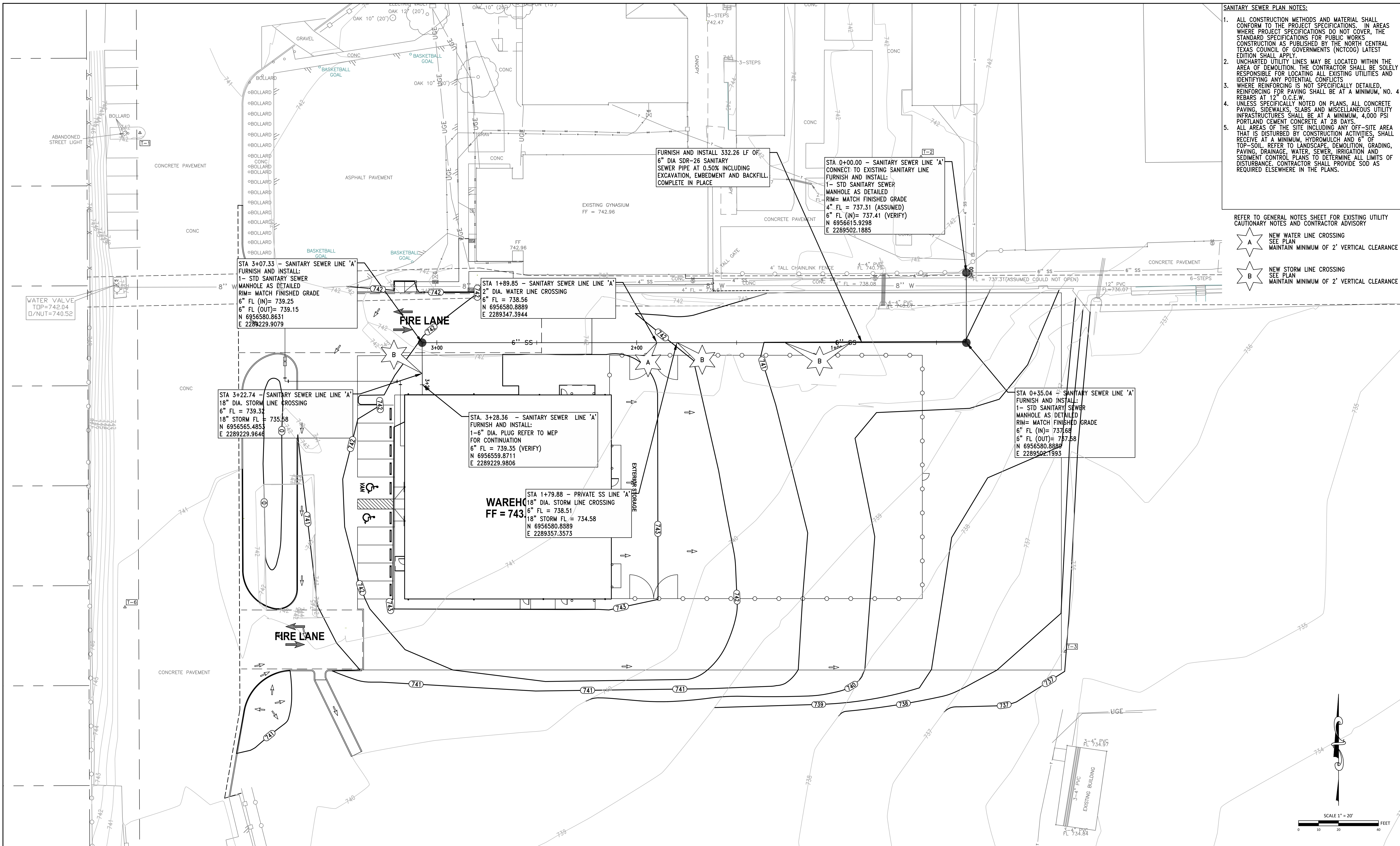
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12 SANITARY SEWER PLAN  
SCALE: SEE PLAN

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SHEET TITLE

EXISTING DRAINAGE AREA  
MAP

SHEET NO.

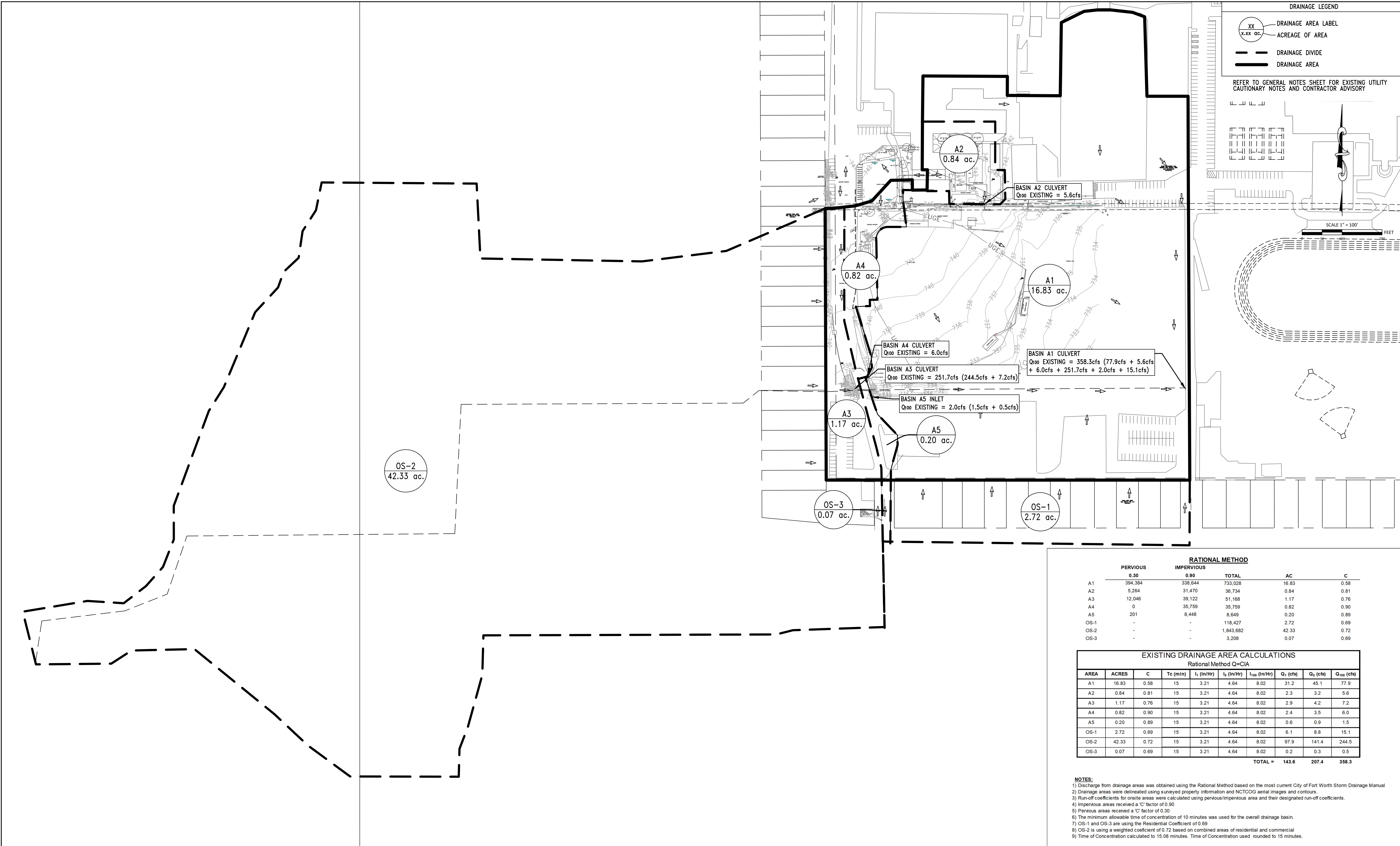
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RATIONAL METHOD					
	PERVIOUS	IMPERVIOUS	TOTAL	AC	C
	0.30	0.90			
A1	394,384	338,644	733,028	16.83	0.58
A2	5,264	31,470	36,734	0.84	0.81
A3	12,046	39,122	51,168	1.17	0.76
A4	0	35,759	35,759	0.82	0.90
A5	201	8,448	8,649	0.20	0.89
OS-1	-	-	118,427	2.72	0.69
OS-2	-	-	1,843,682	42.33	0.72
OS-3	-	-	3,208	0.07	0.69

EXISTING DRAINAGE AREA CALCULATIONS										
Rational Method Q=CIA										
AREA	ACRES	C	Tc (min)	I <sub>1</sub> (in/hr)	I <sub>2</sub> (in/hr)	I <sub>3</sub> (in/hr)	Q <sub>1</sub> (cfs)	Q <sub>2</sub> (cfs)	Q <sub>3</sub> (cfs)	Q <sub>4</sub> (cfs)
A1	16.83	0.58	15	3.21	4.64	8.02	31.2	45.1	77.9	
A2	0.84	0.81	15	3.21	4.64	8.02	2.3	3.2	5.6	
A3	1.17	0.76	15	3.21	4.64	8.02	2.9	4.2	7.2	
A4	0.82	0.90	15	3.21	4.64	8.02	2.4	3.5	6.0	
A5	0.20	0.89	15	3.21	4.64	8.02	0.6	0.9	1.5	
OS-1	2.72	0.69	15	3.21	4.64	8.02	6.1	8.8	15.1	
OS-2	42.33	0.72	15	3.21	4.64	8.02	97.9	141.4	244.5	
OS-3	0.07	0.69	15	3.21	4.64	8.02	0.2	0.3	0.5	

- NOTES:
- Discharge from drainage areas was obtained using the Rational Method based on the most current City of Fort Worth Storm Drainage Manual
  - Drainage areas were delineated using surveyed property information and NCTCOG aerial images and contours.
  - Run-off coefficients for onsite areas were calculated using pervious/imperious area and their designated run-off coefficients.
  - Imperious areas received a 'C' factor of 0.90
  - Pervious areas received a 'C' factor of 0.30
  - The minimum allowable time of concentration of 10 minutes was used for the overall drainage basin.
  - OS-1 and OS-3 are using the Residential Coefficient of 0.69
  - OS-2 is using a weighted coefficient of 0.72 based on combined areas of residential and commercial
  - Time of Concentration calculated to 15.08 minutes. Time of Concentration used rounded to 15 minutes.

13 EXISTING DRAINAGE AREA MAP  
SCALE: SEE PLAN

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KEY PLAN



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TEXAS LICENSE #23211

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Revision No. Revision Date

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LVB  
DESIGNER  
JMR  
PROJECT ARCH.  
JCL

DRAWN BY  
DRW  
QUALITY CONTROL  
QC

PROJECT NO.

24-103.00

SHEET TITLE

PROPOSED DRAINAGE AREA  
MAP

SHEET NO.

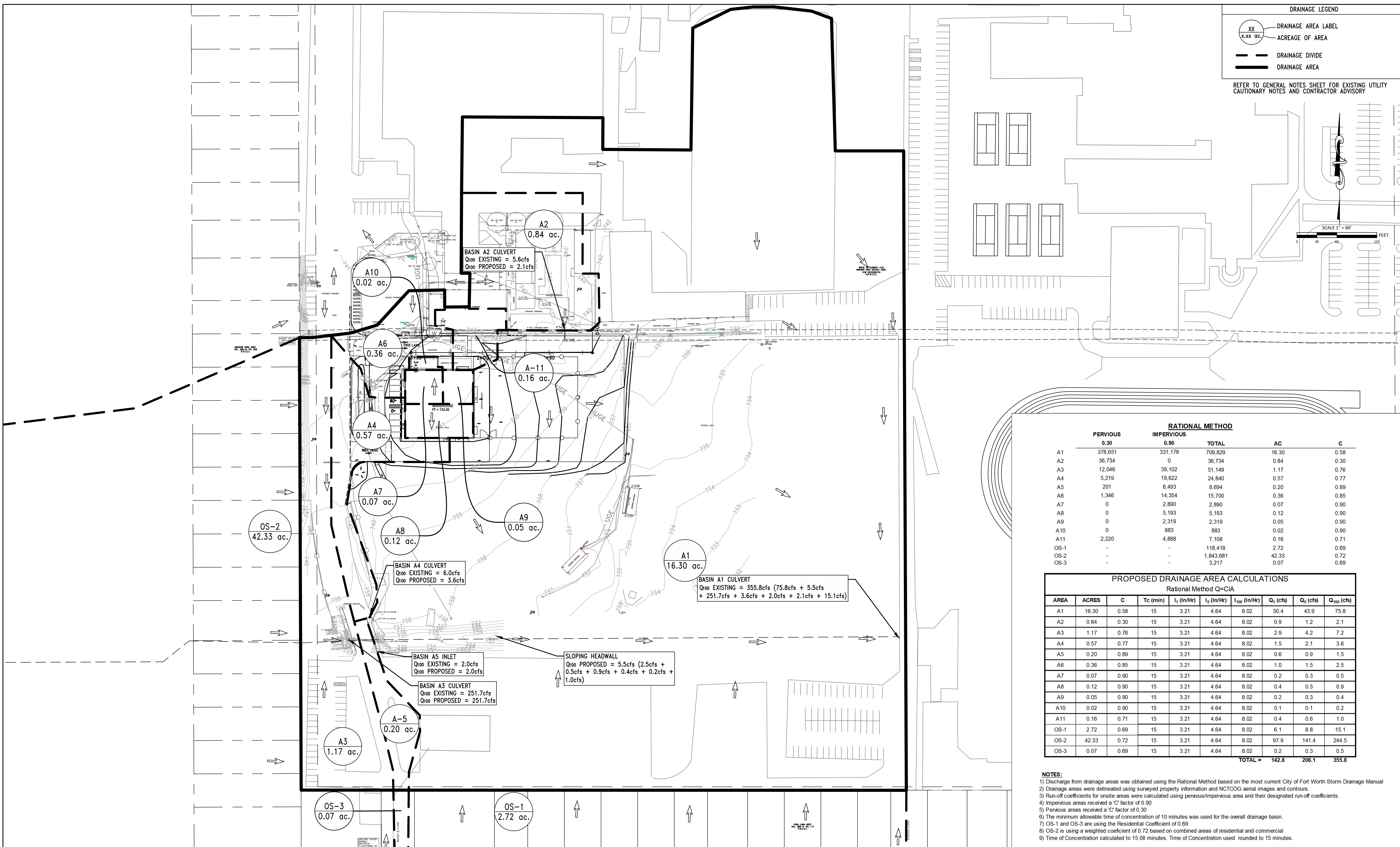
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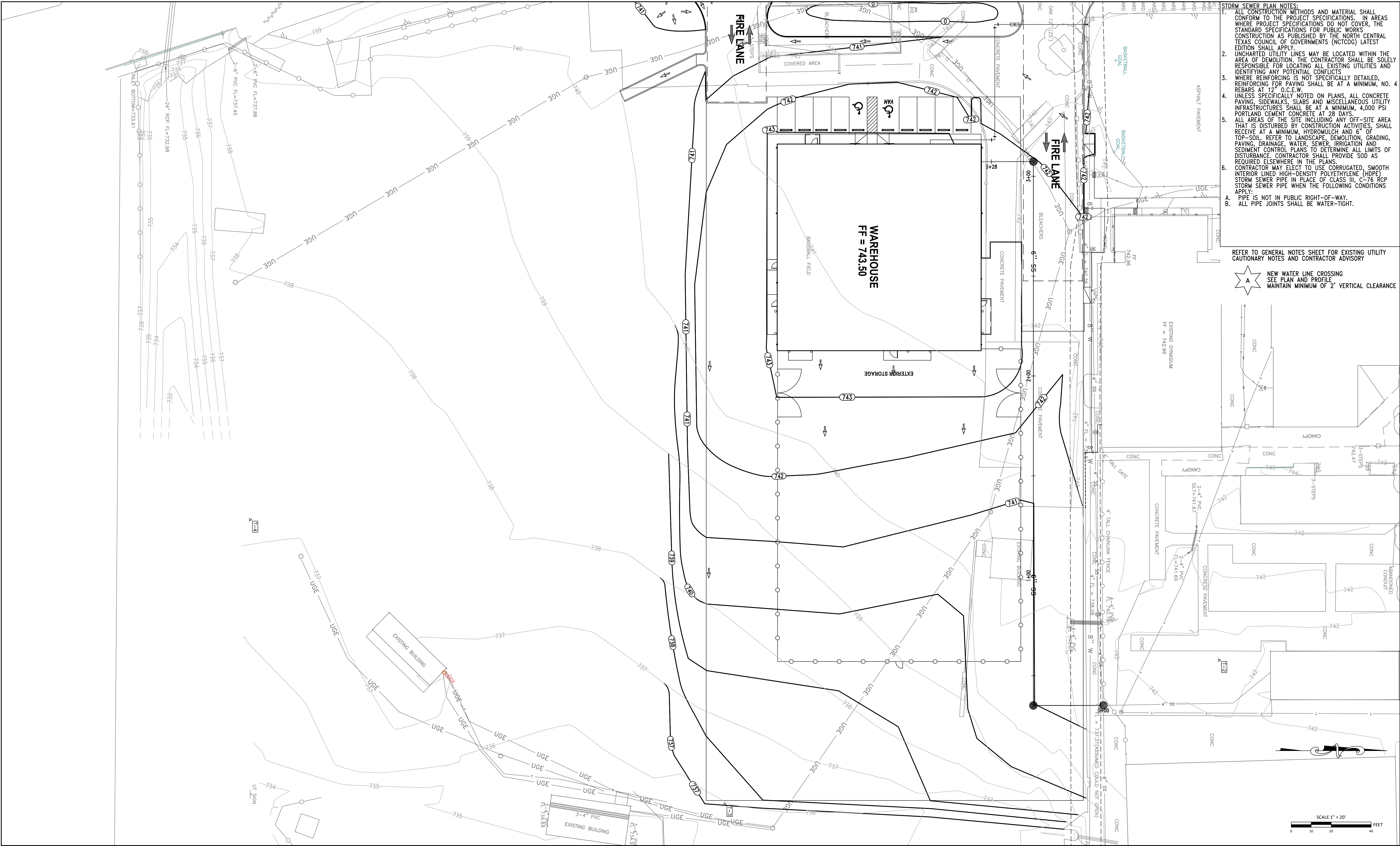
14 PROPOSED DRAINAGE AREA MAP  
SCALE: SEE PLAN

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- STORM SEWER PLAN NOTES:**
- ALL CONSTRUCTION METHODS AND MATERIAL SHALL CONFORM TO THE PROJECT SPECIFICATIONS. IN AREAS WHERE PROJECT SPECIFICATIONS DO NOT COVER, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) LATEST EDITION SHALL APPLY.
  - UNCHARTED UTILITY LINES MAY BE LOCATED WITHIN THE AREA OF DEMOLITION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND IDENTIFYING ANY POTENTIAL CONFLICTS.
  - WHERE REINFORCING IS NOT SPECIFICALLY DETAILED, REINFORCING FOR PAVING SHALL BE AT A MINIMUM, NO. 4 REBARS AT 12" O.C.E.W.
  - UNLESS SPECIFICALLY NOTED ON PLANS, ALL CONCRETE PAVING, SIDEWALKS, SLABS AND MISCELLANEOUS UTILITY INFRASTRUCTURES SHALL BE AT A MINIMUM, 4,000 PSI PORTLAND CEMENT CONCRETE AT 28 DAYS.
  - ALL AREAS OF THE SITE INCLUDING ANY OFF-SITE AREA THAT IS DISTURBED BY CONSTRUCTION ACTIVITIES, SHALL RECEIVE AT A MINIMUM, HYDROMULCH AND 6" OF TOP-SOIL. REFER TO LANDSCAPE, DEMOLITION, GRADING, PAVING, DRAINAGE, WATER, SEWER, IRRIGATION AND SEDIMENT CONTROL PLANS TO DETERMINE ALL LIMITS OF DISTURBANCE. CONTRACTOR SHALL PROVIDE SOD AS REQUIRED ELSEWHERE IN THE PLANS.
  - CONTRACTOR MAY ELECT TO USE CORRUGATED, SMOOTH INTERIOR LINED HIGH-DENSITY POLYETHYLENE (HDPE) STORM SEWER PIPE IN PLACE OF CLASS III, C-76 RCP STORM SEWER PIPE WHEN THE FOLLOWING CONDITIONS APPLY:  
A. PIPE IS NOT IN PUBLIC RIGHT-OF-WAY.  
B. ALL PIPE JOINTS SHALL BE WATER-TIGHT.

REFER TO GENERAL NOTES SHEET FOR EXISTING UTILITY CAUTIONARY NOTES AND CONTRACTOR ADVISORY

**A** NEW WATER LINE CROSSING  
SEE PLAN AND PROFILE  
MAINTAIN MINIMUM OF 2' VERTICAL CLEARANCE



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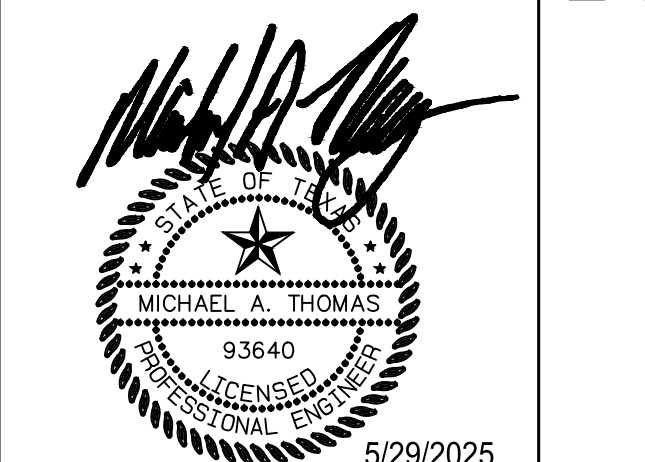
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**LAUREN V. BROWN**  
TEXAS LICENSE #23211

Project Issued: MAY 30, 2025  
**REVISIONS**  
Revision No. Revision Date

Director LVB  
DESIGNER JMR  
PROJECT ARCH. JCL

DRAWN BY DRW  
QUALITY CONTROL QC

**PROJECT NO.**  
**24-103.00**

**SHEET TITLE**

**STORM SEWER PLAN**

**SHEET NO.**

**C1.15**

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**15** **STORM SEWER PLAN**  
SCALE: SEE PLAN

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**KEY PLAN**

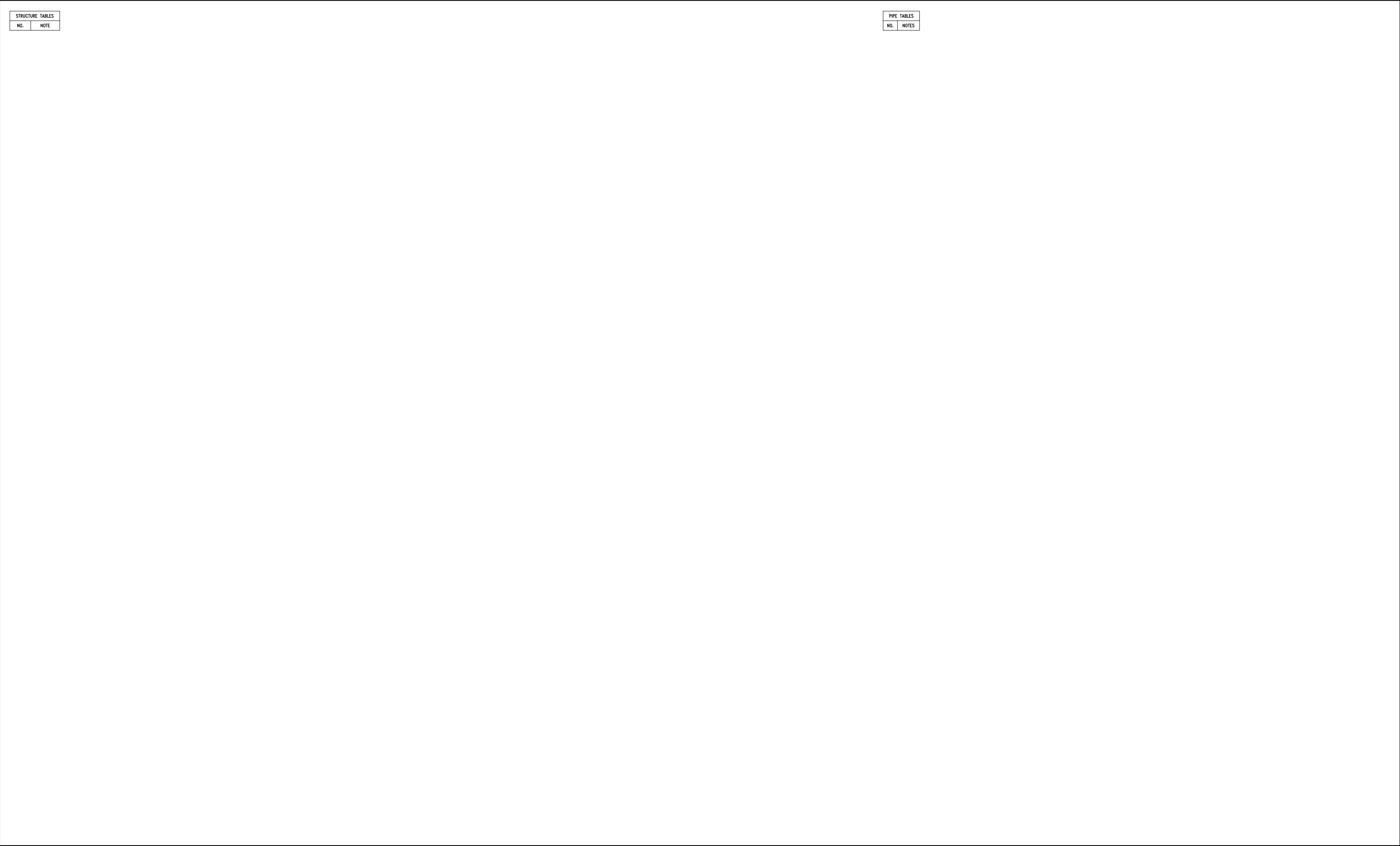
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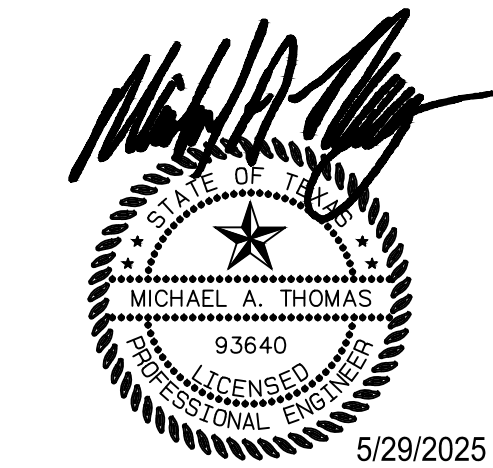
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Director	DRAWN BY
LVB	DRW
DESIGNER	QUALITY CONTROL
JMR	QC
PROJECT ARCH.	
JCL	

PROJECT NO.

24-103.00

SHEET TITLE

STORM SEWER NOTES

SHEET NO.

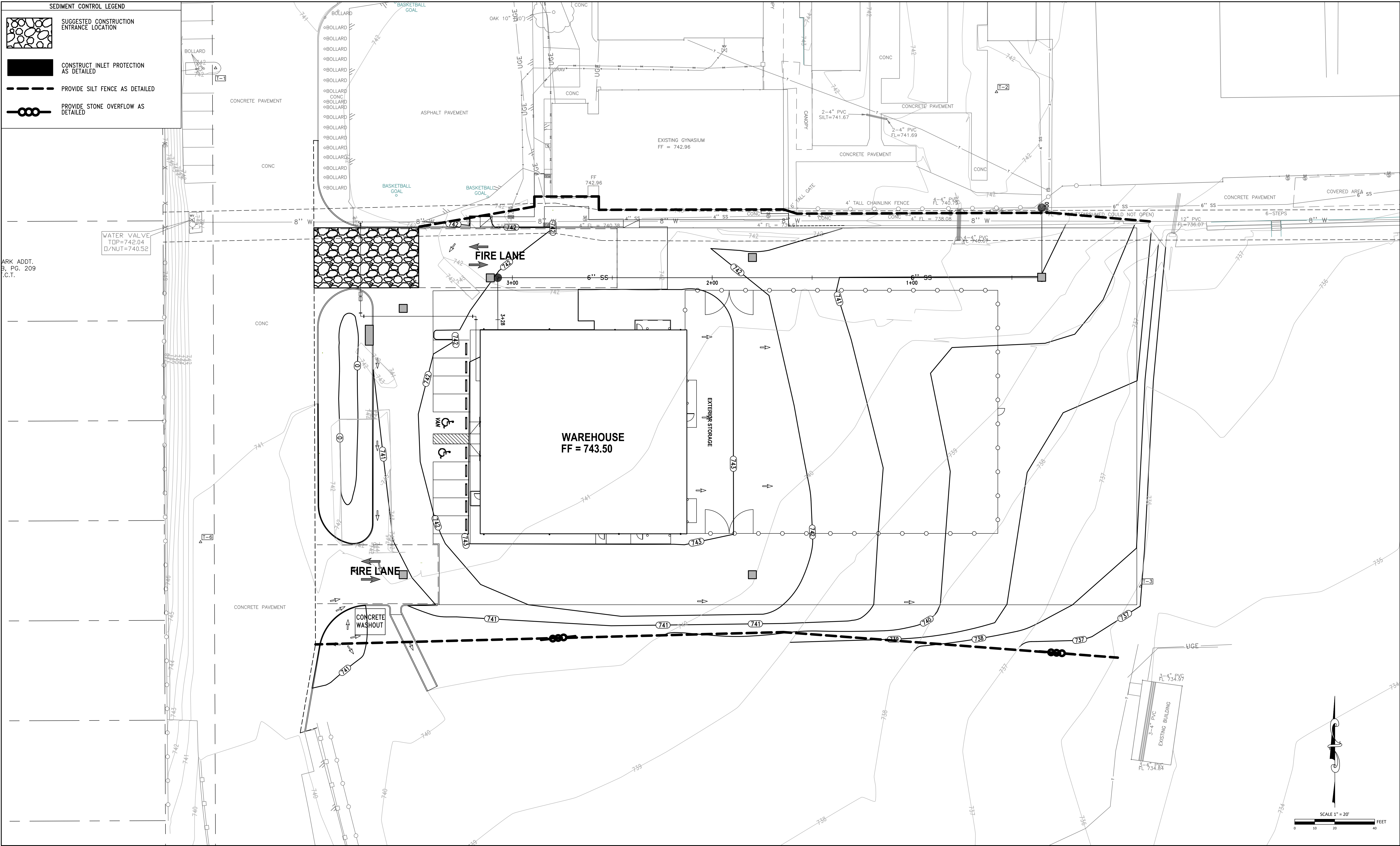
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17 SEDIMENT CONTROL PLAN  
SCALE: SEE PLAN

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SEDIMENT CONTROL PLAN  
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CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION
CONSTRUCTION ACCESS--ENTRANCE TO SITE, CONSTRUCTION ROUTES, AREAS DESIGNATED FOR EQUIPMENT PARKING	THIS IS THE FIRST LAND--DISTURBING ACTIVITY. AS SOON AS CONSTRUCTION BEGINS, STABILIZE ANY BARE AREAS WITH GRAVEL AND TEMPORARY VEGETATION.
SEDIMENT TRAPS AND BARRIERS--BASIN TRAPS, SEDIMENT FENCES AND OUTLET PROTECTION	AFTER CONSTRUCTION SITE IS ACCESSED, PRINCIPAL BASIN SHOULD BE INSTALLED, WITH THE ADDITION OF MORE TRAPS AND BARRIERS AS NEEDED DURING GRADING.
RUNOFF CONTROL--DIVERSION, PERIMETER DIKES, WATER BARS, OUTLET PROTECTION	KEY PRACTICES SHOULD BE INSTALLED AFTER THE INSTALLATION OF PRINCIPAL SEDIMENT TRAPS AND BEFORE LAND GRADING. ADDITIONAL RUNOFF CONTROL MEASURES MAY BE INSTALLED DURING GRADING.
RUNOFF CONVEYANCE SYSTEM--STABILIZE STREAM BANKS, STORM DRAINS, CHANNELS, INLET AND OUTLET PROTECTION, SLOPE DRAINS	IF NECESSARY, STABILIZE STREAM BANKS AS SOON AS POSSIBLE, AND INSTALL PRINCIPAL RUNOFF CONVEYANCE SYSTEM WITH RUNOFF CONTROL MEASURES. THE REMAINDER OF THE SYSTEMS MAY BE INSTALLED AFTER GRADING.
LAND CLEARING AND GRADING--SITE PREPARATION (CUTTING, FILLING, AND GRADING, SEDIMENT TRAPS, BARRIERS, DIVERSION, DRAINS, SURFACE ROUGHENING)	IMPLEMENT MAJOR CLEARING AND GRADING AFTER INSTALLATION OF PRINCIPAL SEDIMENT AND KEY RUNOFF--CONTROL MEASURES, AND INSTALL ADDITIONAL CONTROL MEASURES AS GRADING CONTINUES. CLEAR BORROW AND DISPOSAL AREAS AS NEEDED, AND MARK TREES AND BUFFER AREAS FOR PRESERVATION.
SURFACE STABILIZATION--TEMPORARY AND PERMANENT SEEDING, MULCHING, SODDING, RIP RAP	TEMPORARY OR PERMANENT STABILIZING MEASURES SHOULD BE APPLIED IMMEDIATELY TO ANY DISTURBED AREAS WHERE WORK HAS BEEN EITHER COMPLETED OR DELAYED.
BUILDING CONSTRUCTION--BUILDINGS, UTILITIES, PAVING	DURING CONSTRUCTION, INSTALL ANY EROSION AND SEDIMENTATION CONTROL MEASURES THAT ARE NEEDED.
LANDSCAPING AND FINAL STABILIZATION--TOPSOILING, TREES AND SHRUBS, PERMANENT SEEDING, MULCHING, SODDING, RIP RAP	THIS IS THE LAST CONSTRUCTION PHASE. STABILIZE ALL OPEN AREAS, INCLUDING BORROW AND SPOIL AREAS, AND REMOVE AND STABILIZE ALL TEMPORARY CONTROL MEASURES.
CONTRACTOR ADVISORY:	1. ALL CONSTRUCTION METHODS AND MATERIAL SHALL CONFORM TO THE PROJECT SPECIFICATIONS. IN AREAS WHERE PROJECT SPECIFICATIONS DO NOT COVER, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) LATEST EDITION SHALL APPLY. 2. CONTRACTOR SHALL PROVIDE A CONCRETE WASH OUT PIT PER NCTCOG BEST MANAGEMENT PRACTICES.
EXISTING IRRIGATION SYSTEM NOTE:	
THE CONTRACTOR SHALL PROTECT ALL EXISTING SPRINKLER HEADS, LINES, ETC. DURING THE DURATION OF CONSTRUCTION. ANY SPRINKLER LINES, HEADS, METERS, VALVES, ETC. THAT ARE DAMAGED OR RELOCATED BY CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED TO ORIGINAL CONDITION OR BETTER (NO SPECIAL PAY). COORDINATE WITH OWNER AND/OR LANDSCAPE IRRIGATION PLANS.	

<p><b>SEDIMENT CONTROL NOTES:</b></p> <p>1. ALL CONSTRUCTION METHODS AND MATERIAL SHALL CONFORM TO THE PROJECT SPECIFICATIONS. IN AREAS WHERE PROJECT SPECIFICATIONS DO NOT COVER, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) LATEST EDITION SHALL APPLY.</p> <p>2. EROSION CONTROL MEASURES SHALL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) THAT IS KEPT ON-SITE AT ALL TIMES WITH THESE CONSTRUCTION DOCUMENTS FOR COMPLIANCE WITH THE T.P.D.E.S. GENERAL PERMIT</p> <p>3. IN ORDER TO MINIMIZE EROSION CONTROL PROBLEMS, GENERAL CONTRACTOR SHALL COORDINATE WITH EXCAVATOR, LANDSCAPE, AND IRRIGATION CONTRACTORS TO DETERMINE EARLIEST POSSIBLE DATE TO INSTALL GRASSING AS NOTED ON THE LANDSCAPE PLAN</p> <p>4. THE STABILIZED CONSTRUCTION ENTRANCE HAS BEEN SHOWN ARBITRARILY. IT IS THE GENERAL CONTRACTOR'S CHOICE (IN COMPLIANCE WITH ALL CITY AND STATE REGULATIONS) TO DETERMINE THE LOCATION(S) OF PROJECT INGRESS / EGRESS POINTS. HOWEVER ALL ENTRANCES AT ALL TIMES SHALL BE PREPARED IN ACCORDANCE WITH THE STABILIZED CONSTRUCTION ENTRANCE DETAILS AND CONTINUOUSLY MAINTAINED UNTIL FINAL PAVING IS ESTABLISHED. CHANGES TO THIS EROSION CONTROL PLAN ARE TO BE LOGGED IN THE SWPPP</p> <p>5. STABILIZED SLOPES (CURLEX BLANKET AND 70% COVER OF VEGETATION) ACHIEVING EROSION-FREE CONDITIONS MUST BE IN PLACE AND EFFECTIVE BY THE PROJECT POSSESSION DATE</p> <p>6. A TEMPORARY ALL-WEATHER SURFACE TO AND COMPLETELY AROUND THE BUILDING PAD SHALL BE REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH FIRE MARSHALL TO DETERMINE ANY VEHICULAR FIRE ACCESS REQUIRED DURING CONSTRUCTION</p> <p>7. THE EROSION CONTROL PLAN WILL INCORPORATE EROSION CONTROL MEASURES AND TECHNIQUES TO PREVENT SEDIMENTATION AND ERODED SOIL FROM LEAVING THE SITE EITHER IN EXISTING STORM DRAIN SYSTEM OR ONTO ADJACENT PRIVATE AND PUBLIC PROPERTY. CONSTRUCT TEMPORARY EROSION CONTROL SYSTEMS AS SHOWN ON THE PLANS TO PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM EROSION AND SEDIMENTATION. CONTRACTOR SHALL NOTIFY CONSULTING ENGINEER AT ONCE IF SITE CONDITIONS WARRANT ADDITIONAL EROSION CONTROL MEASURES. CONTRACTOR IS RESPONSIBLE FOR TAKING IMMEDIATE ACTION TO REMEDY EROSION CONTROL WHILE CONSULTING ENGINEER IS PREPARING RESPONSE</p>	<p>8. THE CONTRACTOR SHALL STABILIZE THE EARTHEN SLOPE AREAS IN ACCORDANCE WITH THE LANDSCAPE PLAN WITHIN 72 HOURS AFTER FINAL GRADE AND TOPSOIL HAS BEEN ESTABLISHED IN ACCORDANCE WITH THE PROJECT SITEWORK SPECS</p> <p>9. THE SPECIFIC PLANT MATERIALS PROPOSED TO PROTECT FILL AND EXCAVATED SLOPES SHALL BE AS INDICATED ON THE PLANS. PLANT MATERIALS MUST BE SUITABLE FOR USE UNDER LOCAL CLIMATE AND SOIL CONDITIONS. IN GENERAL, HYDRO SEEDING OR SODDING BERMUDA GRASS IS ACCEPTABLE DURING THE SUMMER MONTHS (MAY 1 TO AUGUST 30). WINTER RYE OR FESCUE GRASS MAY BE PLANTED DURING TIMES OTHER THAN THE SUMMER MONTHS AS A TEMPORARY MEASURE UNTIL SUCH TIME AS THE PERMANENT PLANTING CAN BE MADE</p> <p>10. PRIOR TO COMMENCING ANY CONSTRUCTION, A CONSTRUCTION ENTRANCE AND PERIMETER SILT FENCE SHALL BE INSTALLED AT THE LOCATION(S) SHOWN</p> <p>11. AS INLETS ARE COMPLETED, TEMPORARY SEDIMENT BARRIERS SHALL BE INSTALLED</p> <p>12. AT THE COMPLETION OF THE PAVING AND FINAL GRADING, THE DISTURBED AREAS(S) SHALL BE REVEGETATED IN ACCORDANCE WITH THE PLANS</p> <p>13. SILT FENCE AND INLET SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL REVEGETATION HAS BEEN COMPLETED</p> <p>14. DISTURBED AREAS THAT ARE SEEDED OR SODDED SHALL BE CHECKED PERIODICALLY TO SEE THAT GRASS COVERAGE IS PROPERLY MAINTAINED. DISTURBED AREAS SHALL BE WATERED, FERTILIZED, AND RESEEDED OR RESODDED, IF NECESSARY</p> <p>15. ALL EROSION CONTROL MEASURES TO BE PLACED BASED ON CONTRACTOR'S BEST JUDGMENT AND CONSTRUCTION PHASING TO MINIMIZE SILT RUNOFF TO THE MAXIMUM EXTENT PRACTICABLE</p> <p>16. TEMPORARY INLET PROTECTION TO BE REMOVED OR ADDED BASED ON EXISTING STORM SEWER REMOVAL AND/OR PROPOSED STORM SEWER CONSTRUCTION. FUNCTIONING INLETS SHALL BE INLET PROTECTED AT ALL TIMES. (USE PIPE INLET PROTECTION IF NEEDED)</p> <p>17. SHOWN CONSTRUCTION ENTRANCES TO BE PLACED, MODIFIED ON THIS PLAN AND LOGGED IN THE SWPPP BASED ON CONSTRUCTION MANAGER'S ON-SITE DECISIONS TO CONTROL EROSION TO THE MAXIMUM EXTENT PRACTICABLE</p> <p>18. CONSTRUCTION ENTRANCES TO BE PLACED BASED ON CONSTRUCTION PHASING</p> <p>19. CONTRACTOR SHALL DESIGN AND CONSTRUCT THE WASH-OUT PIT AND CONTAINMENT BASIN IN ACCORDANCE WITH THE STORM WATER POLLUTION PLAN FOR THE PROJECT AND SUBMIT PROPOSED LOCATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING ANY CONSTRUCTION</p>	<p><b>CONCRETE WASH-OUT PIT NOTES:</b></p> <p>1. CONTRACTOR SHALL PROVIDE A WASH-OUT AREA, AS SPECIFIED IN THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) ISWM MANUAL FOR CONSTRUCTION LATEST EDITION, WITH A MINIMUM OF 6 CUBIC FEET OF CONTAINMENT AREA VOLUME FOR EVERY 10 CUBIC YARDS OF CONCRETE POURED</p> <p>2. CONTRACTOR SHALL NOT DUMP WASTE CONCRETE ILLICITLY OR WITHOUT PROPERTY OWNER'S KNOWLEDGE AND CONSENT</p> <p>3. OVERFLOW OF WASHDOWN WATER SHALL BE DISCHARGED IN AN AREA PROTECTED BY ONE OR MORE SEDIMENT REMOVAL BMPs AND SHALL BE DONE IN MANNER THAT DOES NOT RESULT IN A VIOLATION OF GROUNDWATER OR SURFACE WATER QUALITY STANDARDS</p> <p>4. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS SET FORTH IN TPDES GENERAL PERMIT TXR 150000</p> <p><b>MAINTENANCE:</b></p> <p>ALL MEASURES STATED ON THIS EROSION CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:</p> <p>1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION</p> <p>2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED</p> <p>3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE</p> <p>4. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND</p> <p>5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND</p>	<p>6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%</p> <p><b>EROSION CONTROL AND SLOPE PROTECTION IMPLEMENTATION:</b></p> <p>1. PLACE EROSION CONTROL SYSTEMS IN ACCORDANCE WITH CONSTRUCTION DRAWINGS AND STORM WATER POLLUTION PREVENTION PLAN OR AS MAY BE DICTATED BY SITE CONDITIONS IN ORDER TO MAINTAIN THE INTENT OF THE SPECIFICATIONS AND PERMITS AT NO ADDITIONAL COST TO OWNER</p> <p>2. DEFICIENCIES OR CHANGES ON CONSTRUCTION DRAWINGS OR STORM WATER POLLUTION PREVENTION PLAN SHALL BE IMPLEMENTED AS SITE CONDITIONS CHANGE</p> <p>3. OWNER HAS AUTHORITY TO LIMIT SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY CLEARING AND GRUBBING, EXCAVATION, BORROW AND EMBANKMENT OPERATIONS, AND TO DIRECT CONTRACTOR TO PROVIDE IMMEDIATE PERMANENT OR TEMPORARY POLLUTION CONTROL MEASURES</p> <p>4. MAINTAIN TEMPORARY EROSION CONTROL SYSTEMS AS DIRECTED BY OWNER OR GOVERNING AUTHORITIES TO CONTROL SILTATION DURING LIFE OF CONTRACT. CONTRACTOR SHALL RESPOND TO MAINTENANCE OR ADDITIONAL WORK ORDERED BY OWNER OR GOVERNING AUTHORITIES WITHIN 48 HOURS OR SOONER IF REQUIRED AT NO ADDITIONAL COST TO THE OWNER</p> <p>5. CONTRACTOR WILL BE REQUIRED TO INCORPORATE PERMANENT EROSION CONTROL FEATURES INTO PROJECT AT EARLIEST PRACTICAL TIME TO MINIMIZE NEED FOR TEMPORARY CONTROLS</p> <p>6. PERMANENTLY SEED AND MULCH CUT SLOPES AS EXCAVATION PROCEEDS TO EXTENT CONSIDERED DESIRABLE AND PRACTICAL</p> <p>7. SLOPES THAT ERODE EASILY OR THAT WILL NOT BE GRADED FOR A PERIOD OF 14 DAYS OR MORE SHALL BE TEMPORARILY SEEDED AS WORK PROGRESSES WITH WHEAT, RYE, OR OATS APPLICATION IN ACCORDANCE WITH SECTION 10000 UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS</p> <p><b>EROSION CONTROL BLANKET:</b></p> <p>BLANKETS, BIODEGRADABLE, ENCLOSED IN A PHOTODEGRADABLE PLASTIC MESH, INCLUDING STEEL WIRE STAPLES, 6 INCHES LONG, CURLEX I BLANKETS, 8" STITCHING BY AMERICAN EXCELSIOR COMPANY, OR POLYJUTE STYLE 465 GT BY SYNTHETIC INDUSTRIES</p> <p><b>SEQUENCE OF CONSTRUCTION:</b></p> <p>PHASE I:</p> <p>1. INSTALL STABILIZED CONSTRUCTION ENTRANCES</p> <p>2. PREPARE TEMPORARY PARKING AND STORAGE AREA</p> <p>3. CONSTRUCT THE SILT FENCES ON-SITE</p> <p>4. CONSTRUCT THE SEDIMENTATION BASINS</p> <p>5. CLEAR AND GRUB THE SITE</p> <p>6. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES</p> <p>7. BEGIN GRADING THE SITE</p> <p>PHASE II:</p> <p>1. TEMPORARILY SEED DENUDED AREAS</p> <p>2. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS</p> <p>3. INSTALL RIP-RAP AROUND OUTLET STRUCTURES</p> <p>4. INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES</p> <p>5. PREPARE SITE FOR PAVING</p> <p>6. PAVE SITE</p> <p>7. INSTALL INLET PROTECTION DEVICES</p> <p>8. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING</p> <p>9. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED)</p> <p><b>INLET PROTECTION NOTES:</b></p> <p>1. FOR DROP INLETS, USE TEMPORARY INSERTS AND BLOCK GRAVEL PROTECTION AS DETAILED.</p> <p>2. FOR CURB INLETS, USE TEMPORARY INSERTS.</p> <p>3. FOR TRENCH AND GRATE INLETS, USE TEMPORARY INSERTS AND BLOCK GRAVEL PROTECTION AS DETAILED.</p> <p>4. TEMPORARY INSERTS SHALL BE IPC, CURB GUARD, FILTREXX SOXX, WEIGHTED WATTLE, ETC.</p> <p>5. TEMPORARY INSERTS AND OTHER SEDIMENT CONTROL MEASURES SHALL BE CLEANED OUT ON A REGULAR BASIS BY THE CONTRACTOR.</p>
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18 SEDIMENT CONTROL NOTES  
SCALE: SEE PLAN

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KEY PLAN

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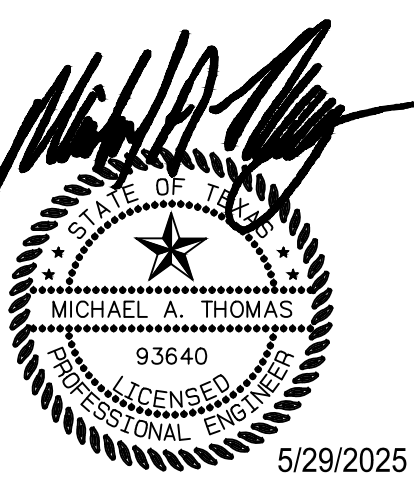
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LAUREN V. BROWN  
TEXAS LICENSE #23211

Project Issued: MAY 30, 2025

REVISIONS

Revision No. Revision Date

Director  
LVB  
DESIGNER  
JMR  
PROJECT ARCH.  
JCL

DRAWN BY  
DRW  
QUALITY CONTROL  
QC

PROJECT NO.

24-103.00

SHEET TITLE

SEDIMENT CONTROL NOTES

SHEET NO.

NEW MAINTENANCE AND  
OPERATION WAREHOUSE

NEW MAINTENANCE & OPERATIONS WAREHOUSE

WHITE SETTLEMENT ISD  
WHITE SETTLEMENT, TX

B

A



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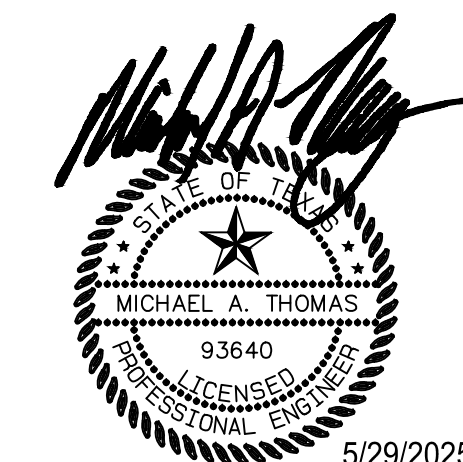
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DESIGNER  
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PROJECT ARCH.  
JCL

PROJECT NO.

24-103.00

SHEET TITLE

SIDEWALK DETAILS

SHEET NO.

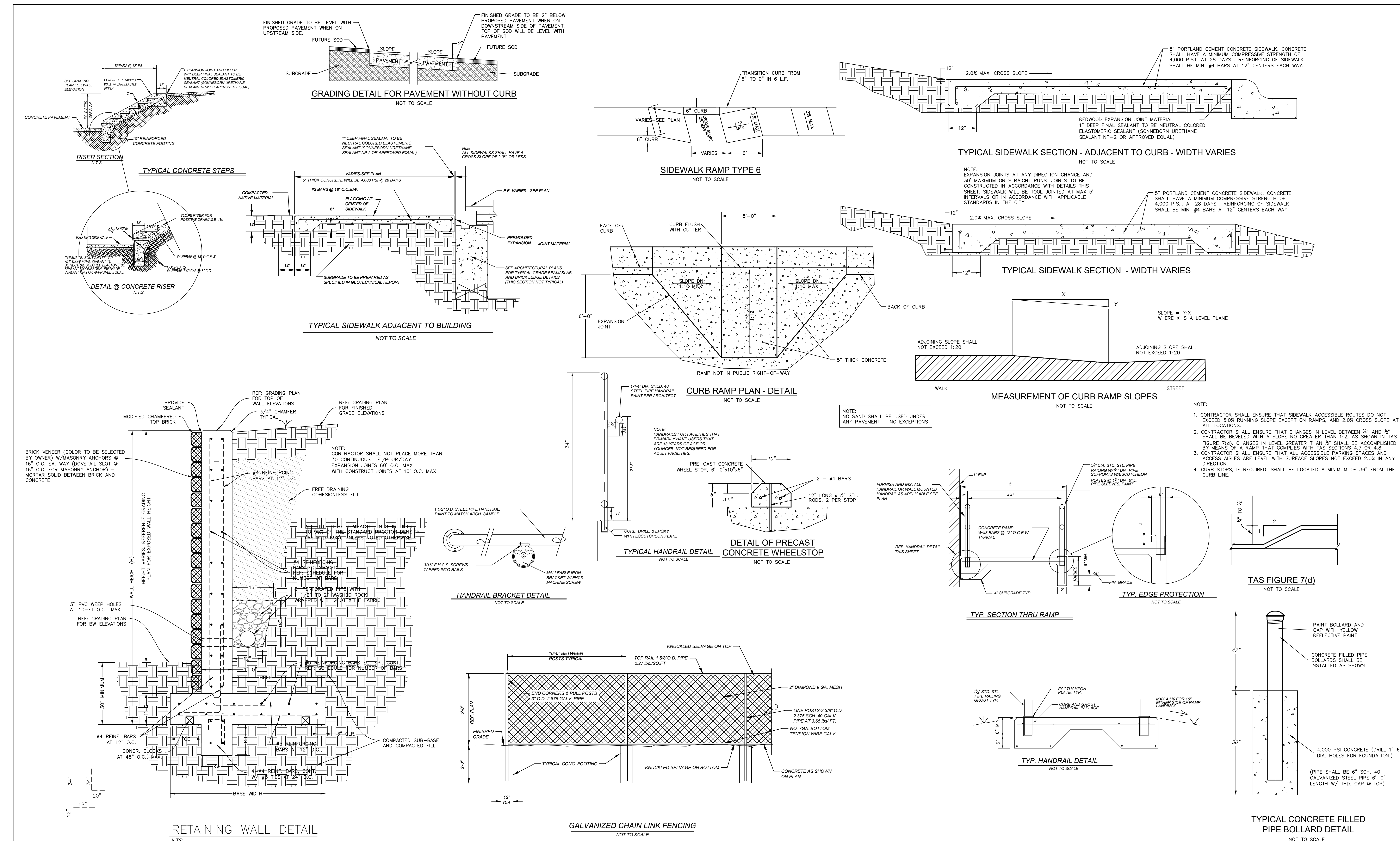
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19 SIDEWALK DETAILS  
SCALE: SEE PLAN



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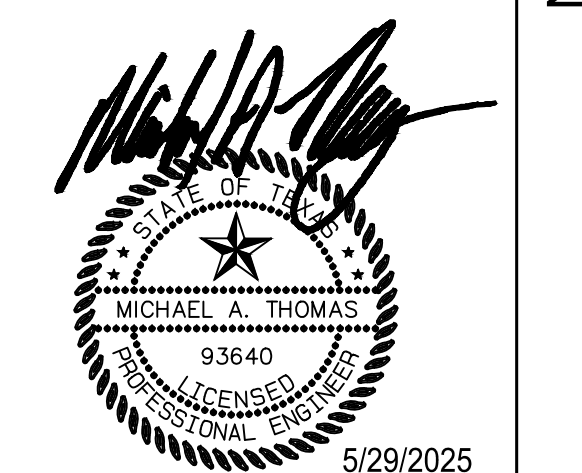
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Project Issued: MAY 30, 2025

REVISIONS

Revision No. Revision Date

Director LVB  
DESIGNER JMR  
PROJECT ARCH. JCL

DRAWN BY DRW  
QUALITY CONTROL QC

PROJECT NO.

24-103.00

SHEET TITLE

PAVING DETAILS

SHEET NO.

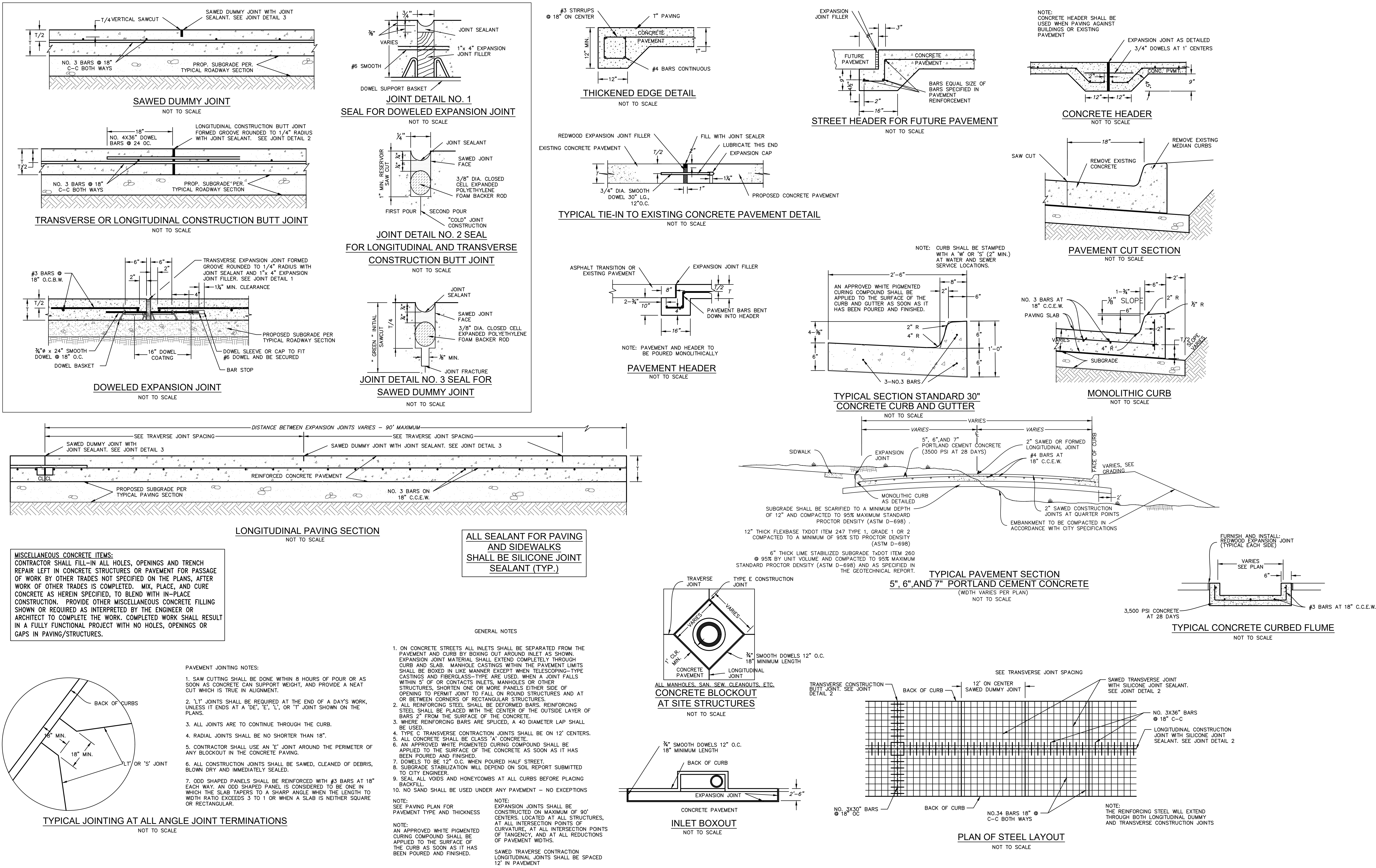
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20 PAVING DETAILS  
SCALE: SEE PLAN

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KEY PLAN



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LAUREN V. BROWN  
TEXAS LICENSE #23211

Project Issued: MAY 30, 2025

REVISIONS

Revision No. Revision Date

Director LVE  
DESIGNER JMR  
PROJECT ARCH. JCL

DRAWN BY DRW  
QUALITY CONTROL QC

PROJECT NO.

24-103.00

SHEET TITLE

SIGNAGE & STRIPING DETAILS

SHEET NO.

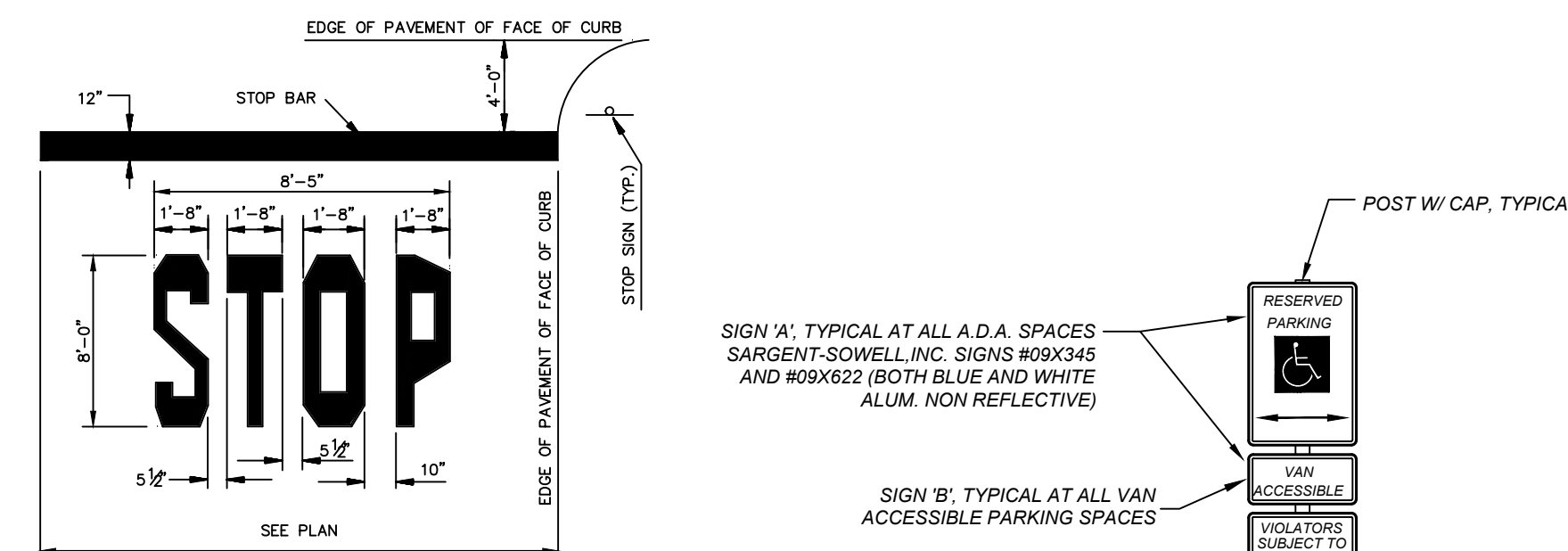
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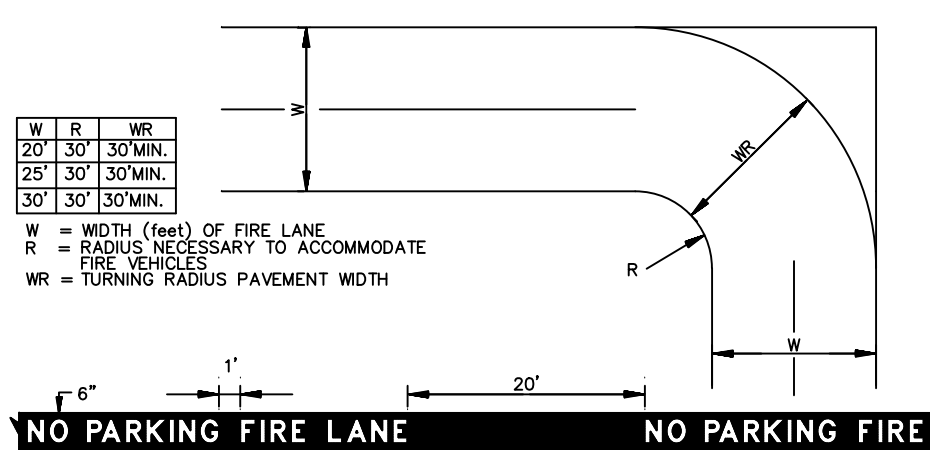
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OPERATION WAREHOUSE

NEW MAINTENANCE & OPERATIONS WAREHOUSE



NOTE:  
1. WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 38 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.  
2. THESE WORDS AND SIGNS ARE TO BE PAINTED REFLECTIVE WHITE.

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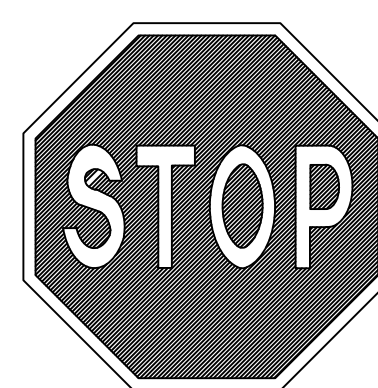


FIRE LANE STRIPING SHALL BE 6" RED STRIPES WITH 4" HIGH WHITE LETTERS READING "NO PARKING FIRE LANE". STRIPING SHALL BE PLACED ON THE TOP EDGE OF THE SIDEWALK ADJACENT TO THE PARK DRIVE OR AS SPECIFIED BY LOCAL REQUIREMENTS.

FIRE LANES SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 24 FEET OR 26 FEET WHEN LOCATED WITHIN 35 FEET OF ANY STRUCTURE IN EXCESS OF 36 FEET IN HEIGHT. AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FEET 6 INCHES IS REQUIRED.

FIRE LANE STRIPING: WHERE RED STRIPE INTERSECTS WITH A CURB LINE, PAINT FACE AND TOP OF CURB RETURN.

PAINT 4 INCH HIGH LETTERING WITH A 1 INCH STROKE CENTERED ON RED STRIPE SHALL READ "NO PARKING". "FIRE LANE". THIS LETTERING SHALL BE PAINTED EVERY 20 FEET AS MEASURED FROM THE END OF ONE LETTERING GROUP TO THE BEGINNING OF THE NEXT GROUP WITH A 1 FOOT SPACE BETWEEN "NO PARKING" AND "FIRE LANE". (NOTE: QUOTES ARE USED IN THIS DESCRIPTION FOR EMPHASIS ONLY AND ARE NOT TO BE PAINTED WITH THE LETTERING)



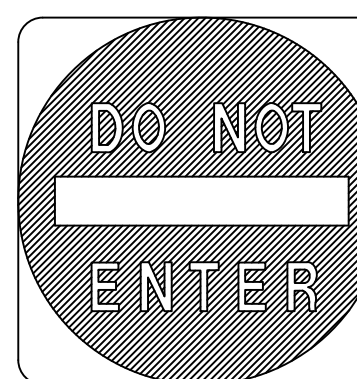
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BACKGROUND: RED  
TEXT: WHITE



COLORS:  
BORDER: WHITE  
BACKGROUND: BLACK  
TEXT: WHITE



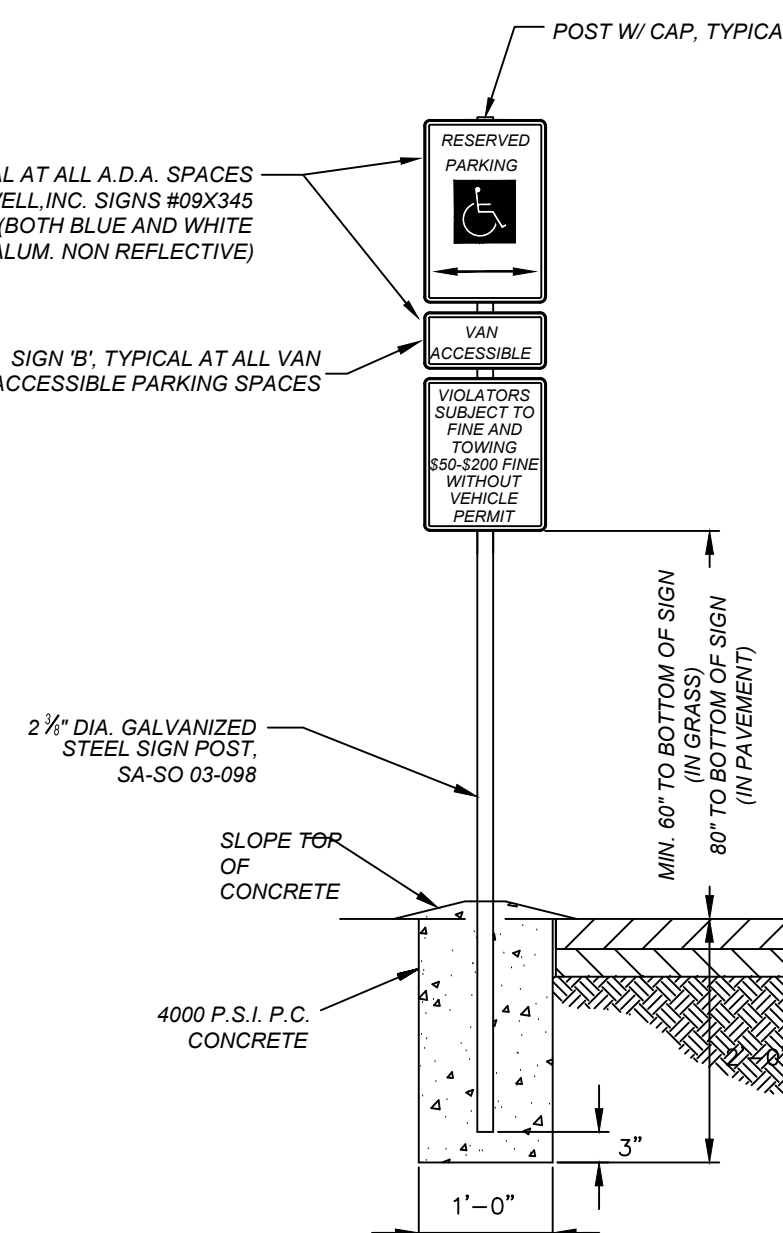
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TEXT: WHITE



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BORDER: WHITE  
BACKGROUND: RED  
TEXT: WHITE

ROAD SIGNS

NOT TO SCALE



SIGNAGE DETAIL FOR ACCESSIBLE PARKING

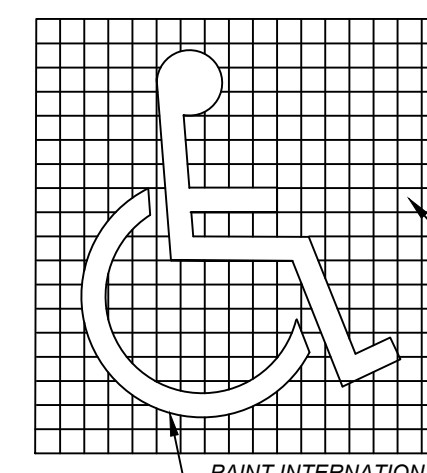
NOT TO SCALE



COLORS:  
LEGEND AND BORDER: GREEN  
BACKGROUND: WHITE  
SYMBOL: WHITE ON BLUE  
BACKGROUND



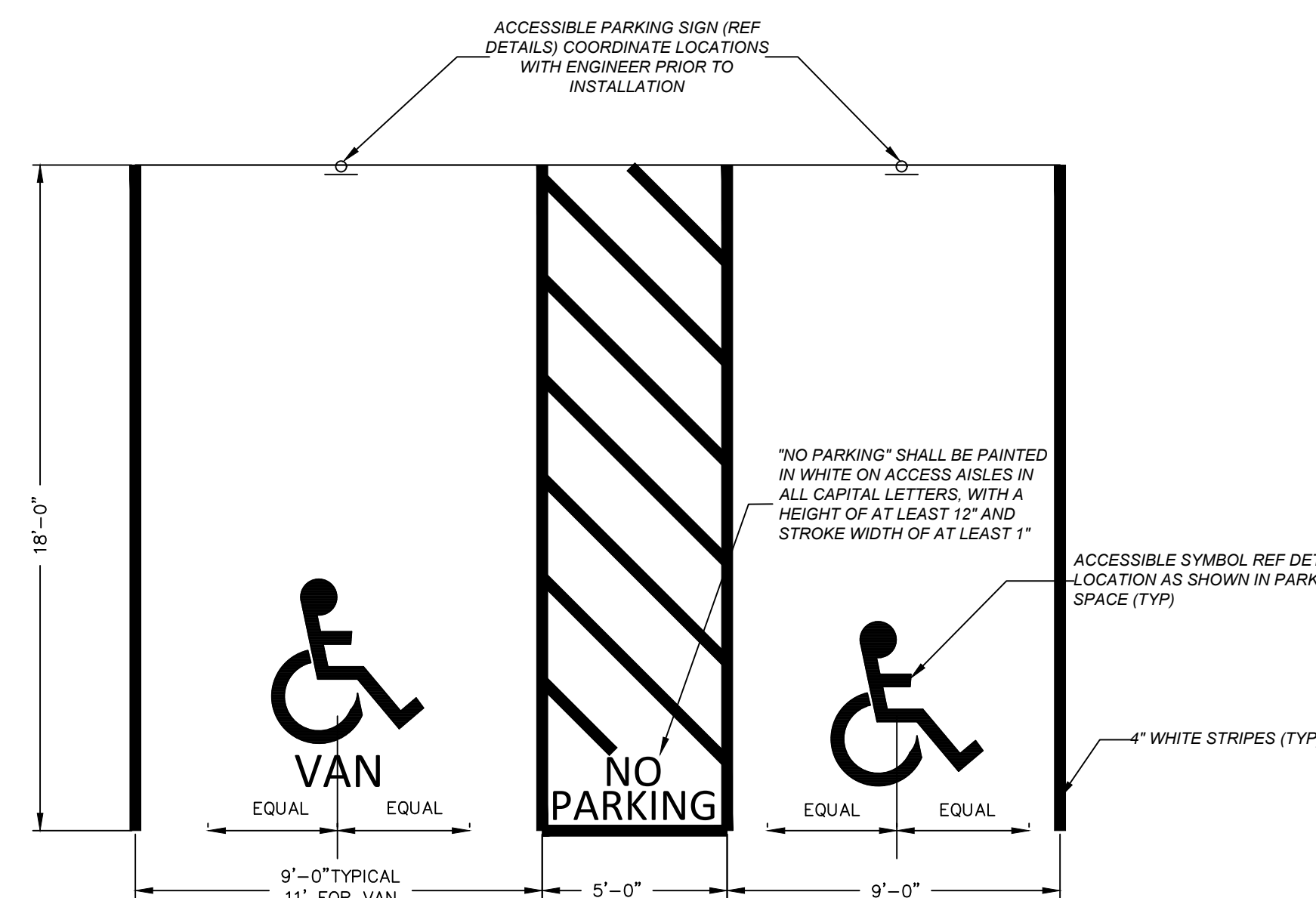
COLORS:  
LEGEND AND BORDER: GREEN  
BACKGROUND: WHITE



NOTE: GRID FOR LAYOUT PURPOSES ONLY.  
PAINT INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE IN ACCORDANCE WITH "STATE OF TEXAS ACCESSIBILITY STANDARDS"

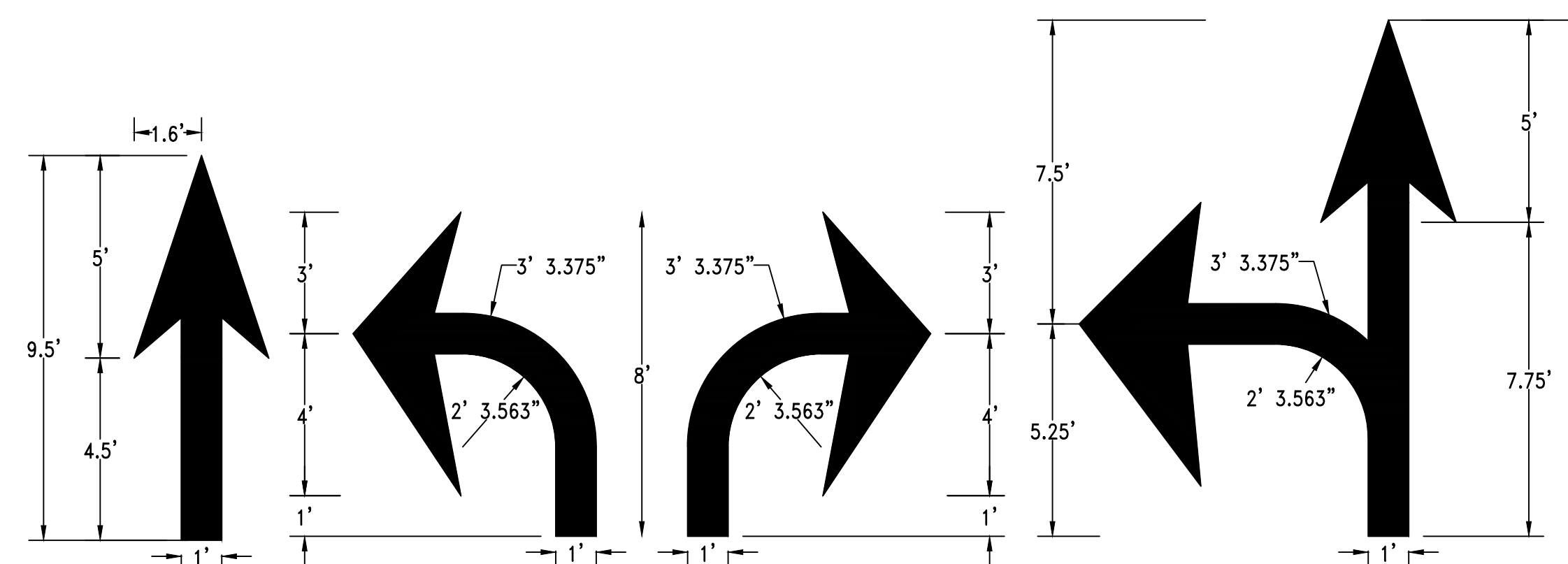
ACCESSIBLE SYMBOL DETAIL

NOT TO SCALE



HANDICAP PARKING SPACE DETAIL

NOT TO SCALE



NOTE: ALL TRAFFIC FLOW ARROWS TO BE REFLECTIVE YELLOW PAINT PER SPECS. SMALLER SIZES MAY BE REDUCED BY APPROXIMATELY ONE-THIRD FOR LOW-SPEED URBAN CONDITIONS

TRAFFIC FLOW ARROW

N.T.S.

ALL STRIPING SHALL BE INSTALLED TO CURRENT TEXAS MUTCD STANDARDS AND SPECIFICATIONS

21 SIGNAGE & STRIPING DETAILS

SCALE: SEE PLAN

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KEY PLAN

NEW MAINTENANCE AND OPERATION WAREHOUSE  
WHITE SETTLEMENT ISD  
1316 MARY K LN, WHITE SETTLEMENT, TX 76108



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5/29/2025

100% Construction Documents Review

Date of Statement: 18 Aug. 2019

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APPROVAL, PERMITTING  
OR CONSTRUCTION.

LAUREN V. BROWN  
TEXAS LICENSE #23211

Project Issued: MAY 30, 2025

## REVISIONS

## REVISIONS

Revision No.	Revision Date
--------------	---------------

Revision No.	Revision Date
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Director	DRAWN BY
LVB	DRW
DESIGNER	QUALITY CONTROL
JMR	QC
PROJECT ARCH.	
JCL	

PROJECT NC

24-103.00

SHEET TITLE

## EMBEDMENT DETAILS

SHEET NO.

B

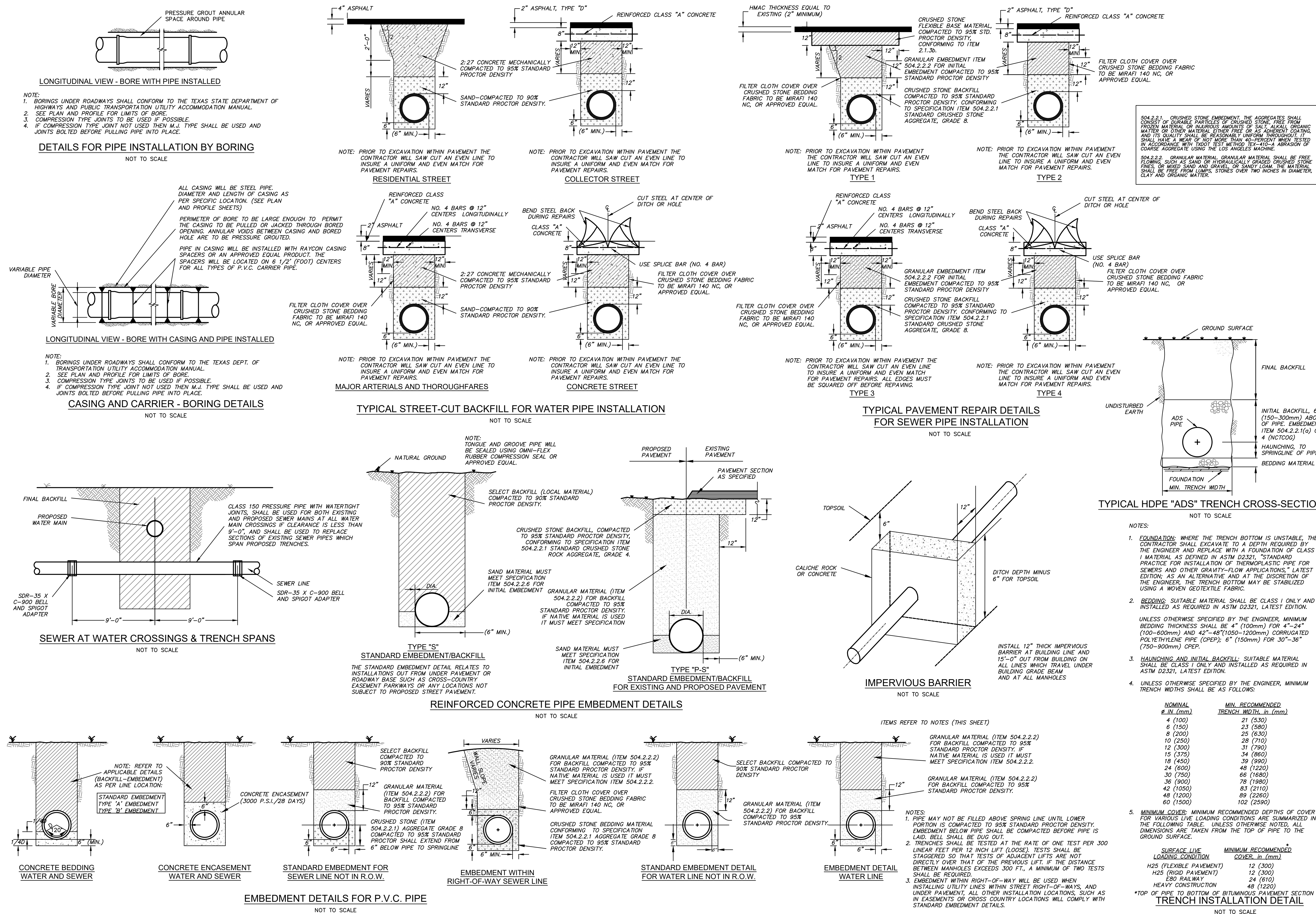
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## C2.04

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## NEW MAINTENANCE AND OPERATION WAREHOUSE

## NEW MAINTENANCE & OPERATIONS WAREHOUSE



**22 EMBEDMENT DETAILS**  
SCALE: SEE PLAN

SCALE: SEE PLAN

**MJ THOMAS**  
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MJT.NO. - 511-0001

4700 BRYANT IRVIN CT, SUITE 20  
FORT WORTH, TX 76107  
REGISTRATION NO. F-9435

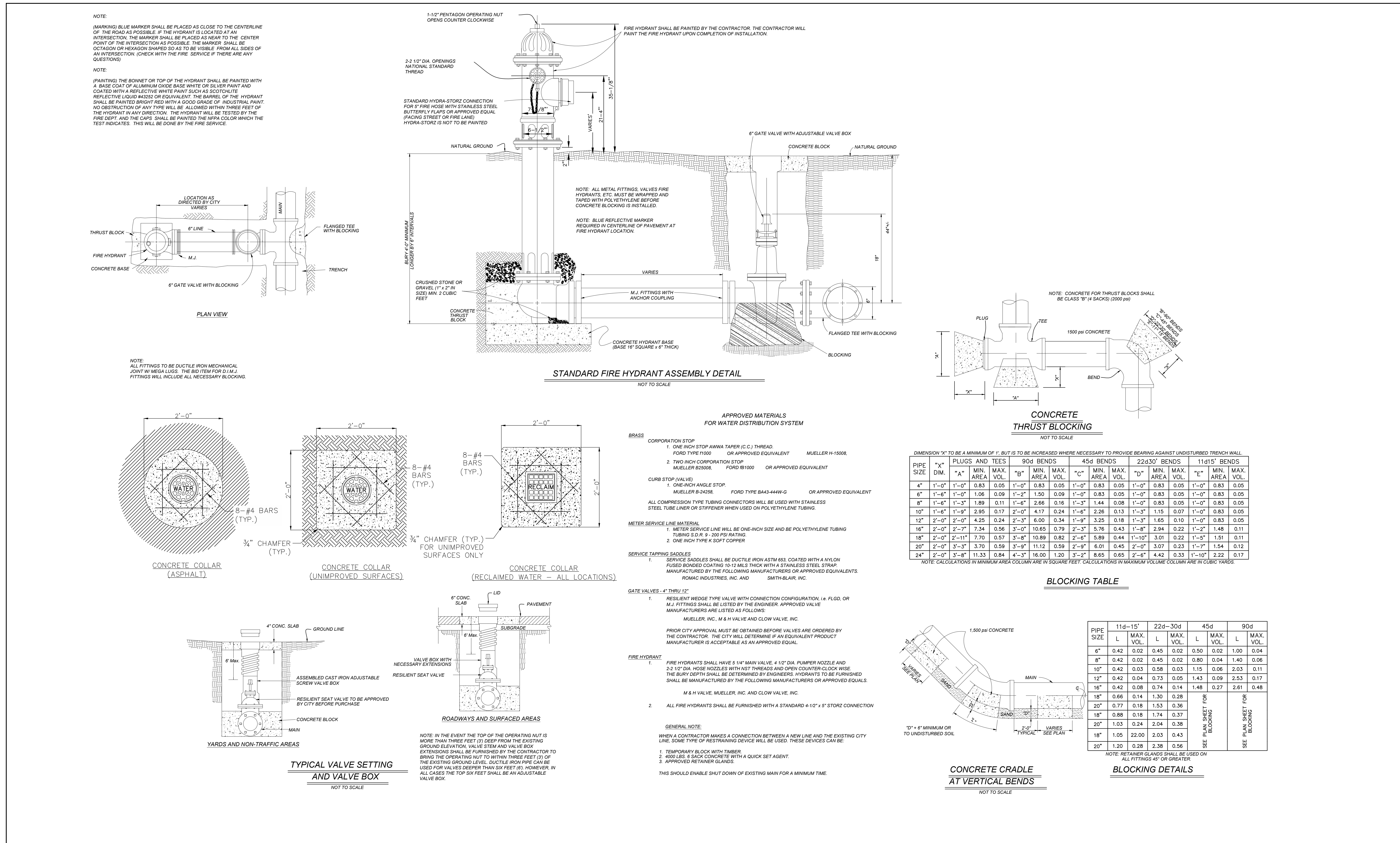
PHONE - (817) 732-9831  
FAX - (817) 736-0000  
MJT NO. - 511-04

## KEY PLAN

B



NEW MAINTENANCE AND OPERATION WAREHOUSE  
WHITE SETTLEMENT ISD  
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NEW MAINTENANCE AND OPERATION WAREHOUSE  
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TEXAS LICENSE #23211

Project Issued: MAY 30, 2025

REVISIONS

Revision No. Revision Date

Director LVB  
DESIGNER JMR  
PROJECT ARCH. JCL

DRAWN BY DRW  
QUALITY CONTROL QC

PROJECT NO.

24-103.00

SHEET TITLE

SANITARY SEWER  
DETAILS

SHEET NO.

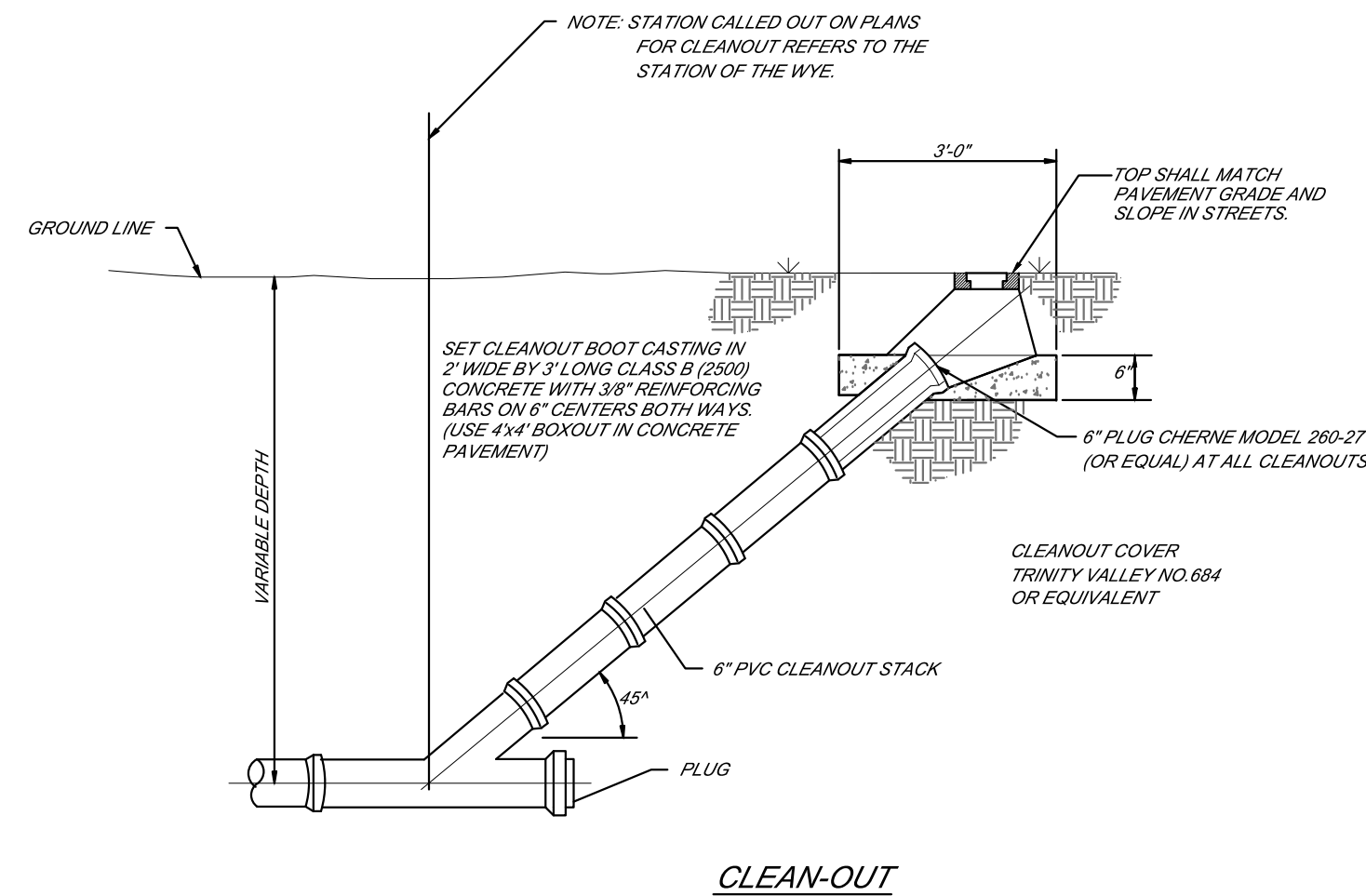
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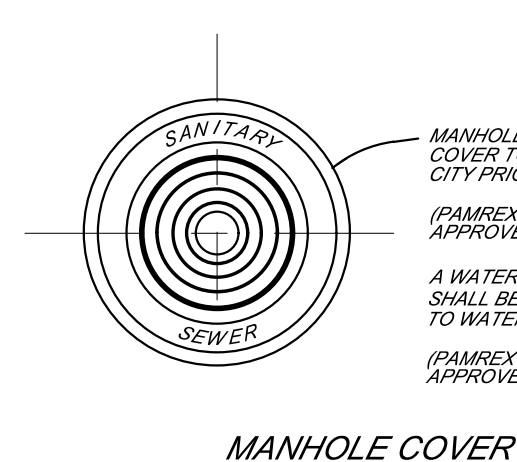
WHITE SETTLEMENT ISD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE AND  
OPERATION WAREHOUSE

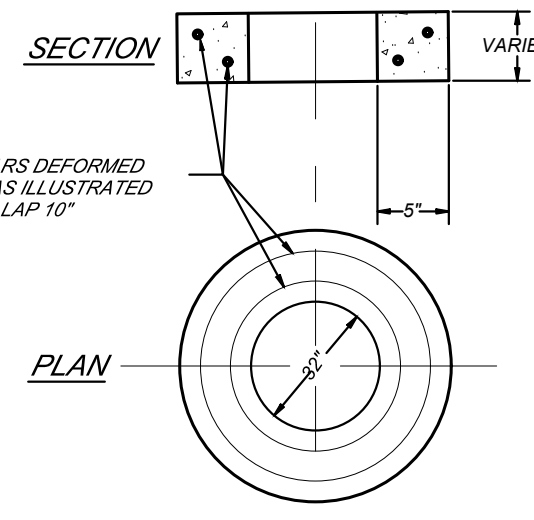
NEW MAINTENANCE & OPERATIONS WAREHOUSE



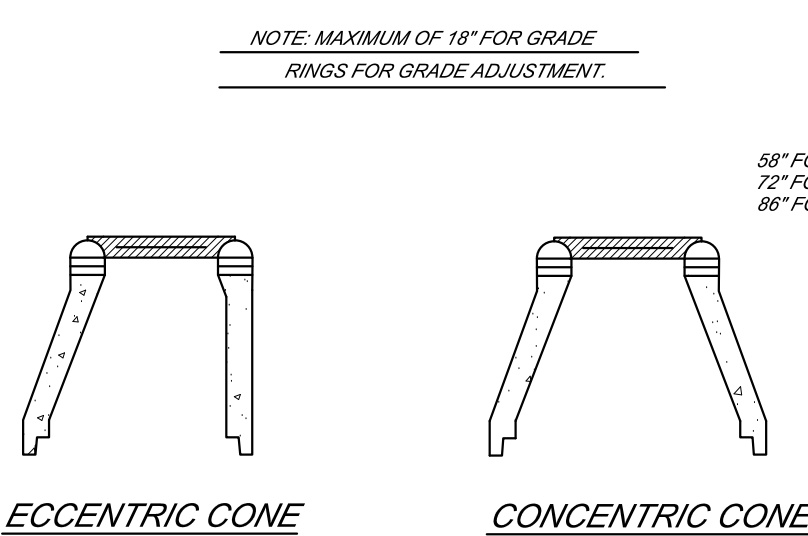
CLEAN-OUT



MANHOLE COVER

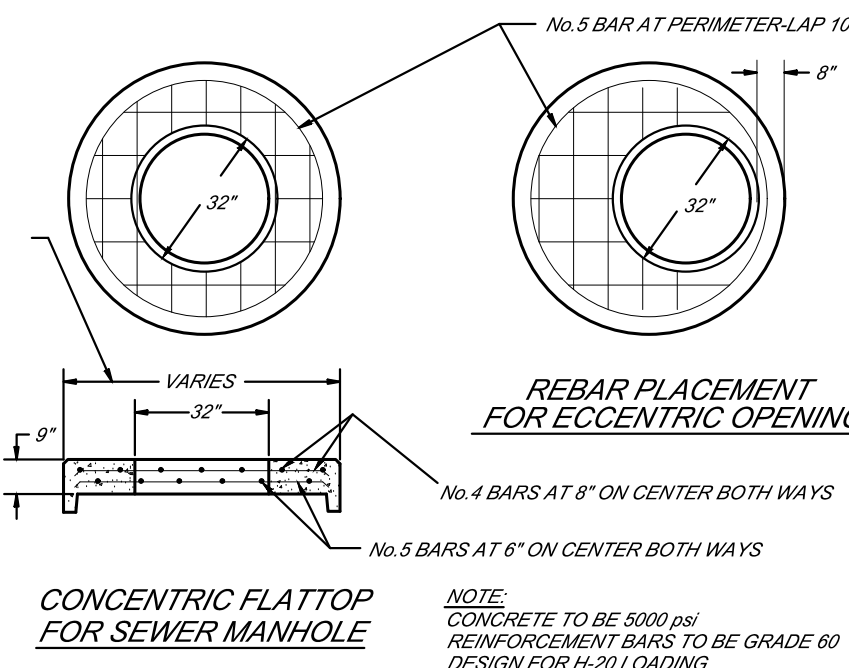


GRADE RINGS

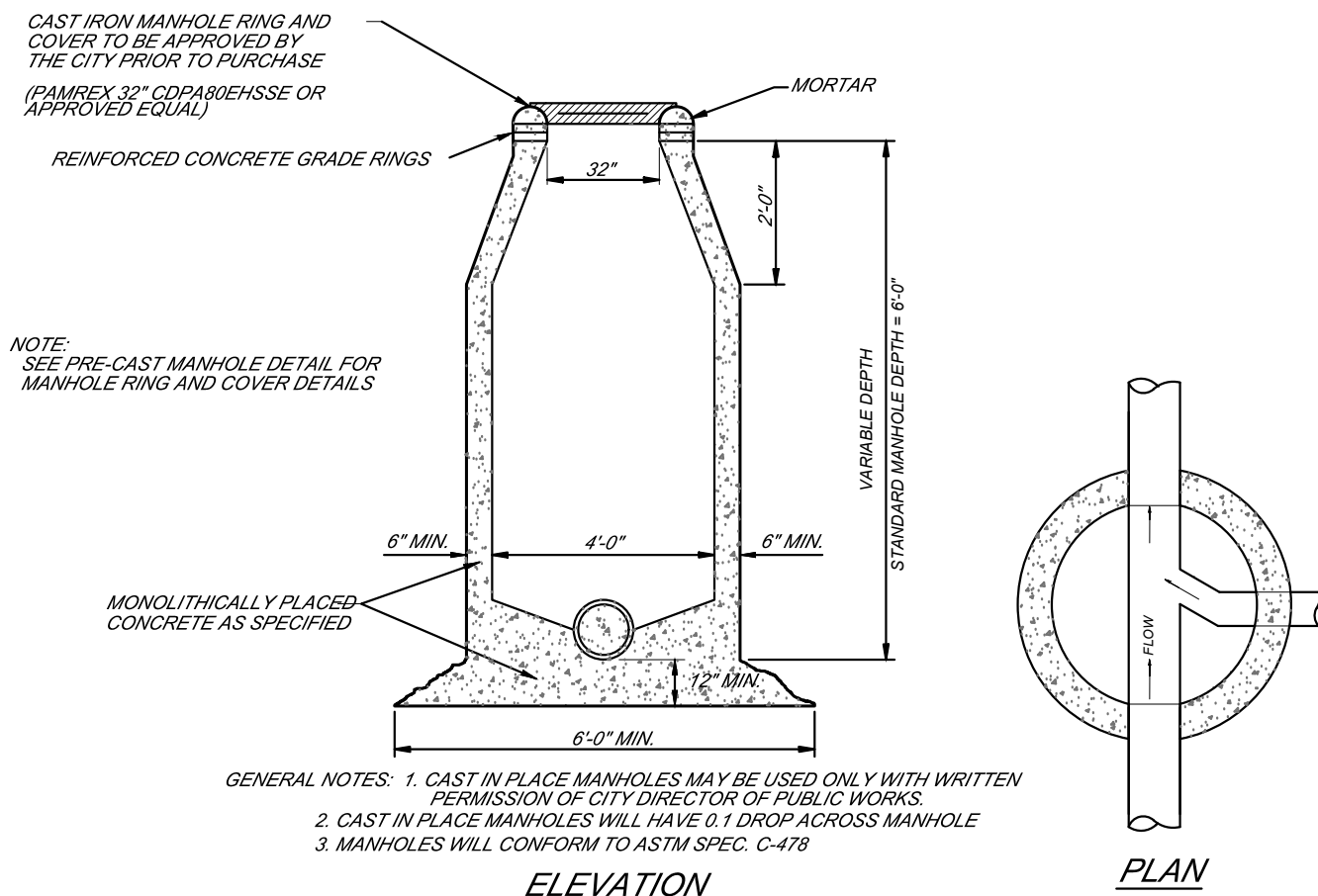


ECCENTRIC CONE

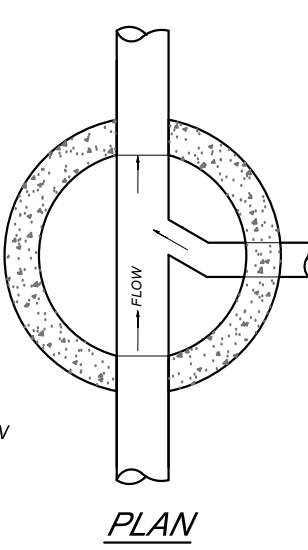
CONCENTRIC CONE



CONCENTRIC FLATTOP  
FOR SEWER MANHOLE

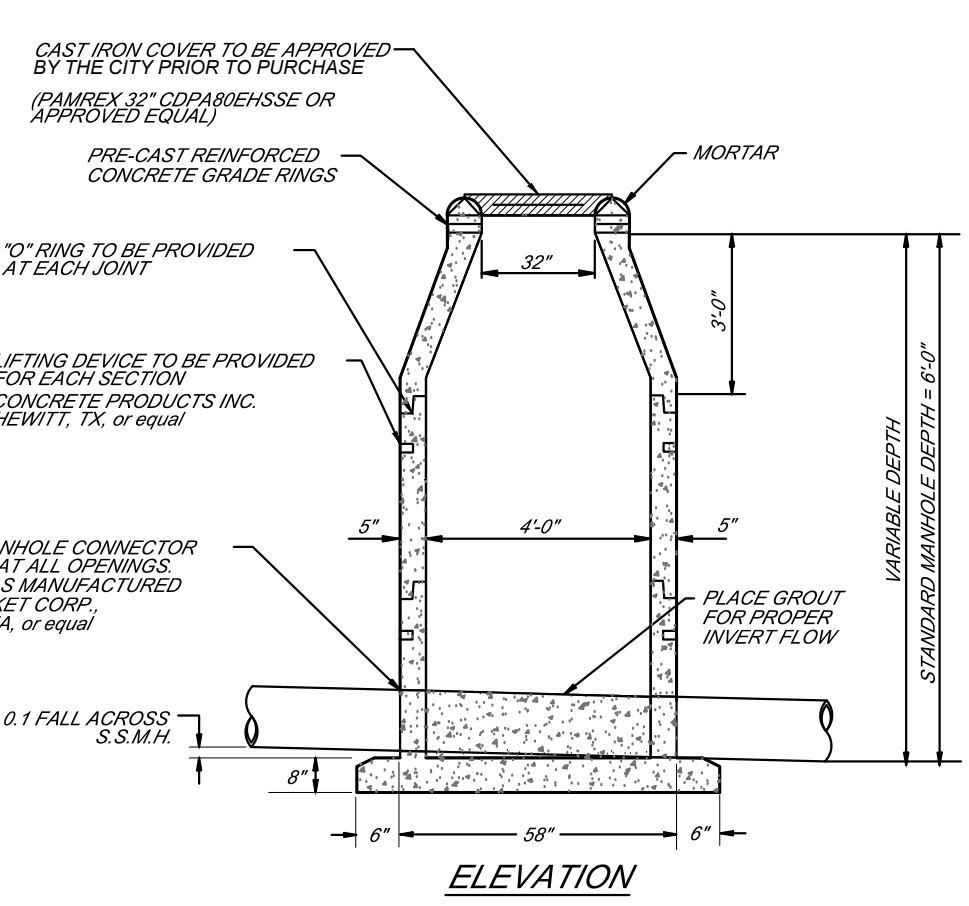


ELEVATION



PLAN

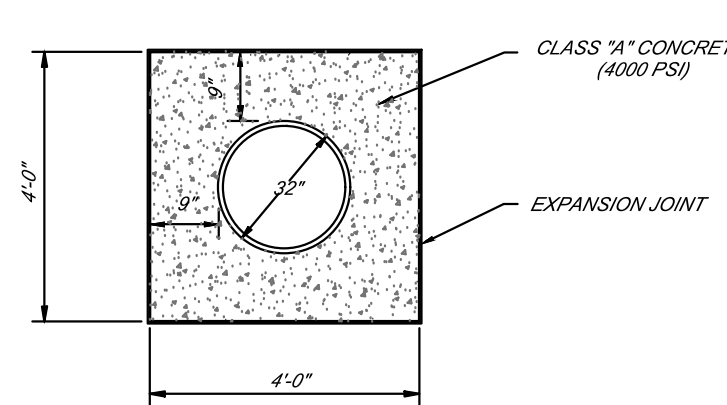
CAST-IN-PLACE



ELEVATION

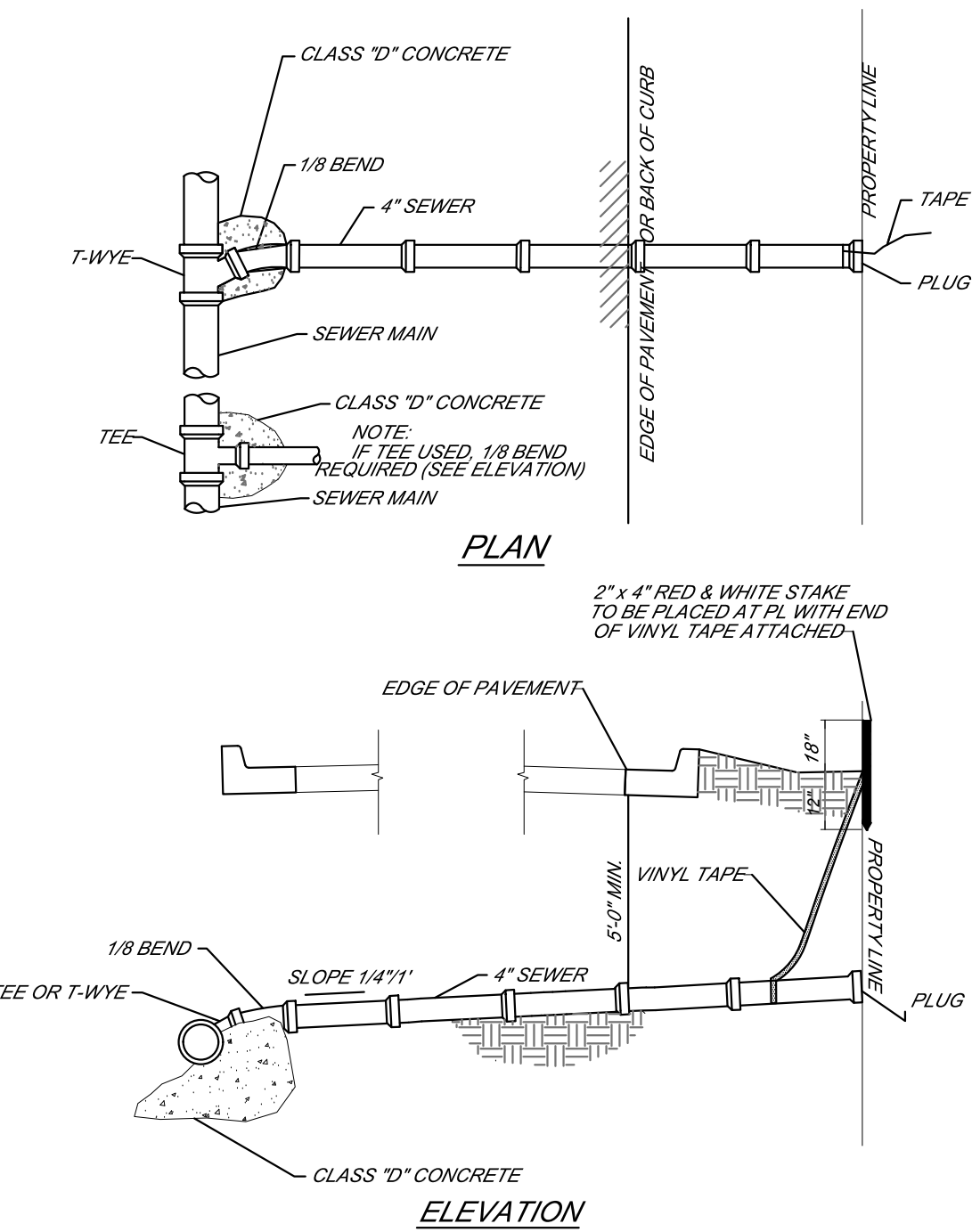
PRE-CAST

ILLUSTRATION TYPICAL FOR 4' DIA. MANHOLE - ADJUST DIMENSIONS AS NECESSARY FOR LARGER MANHOLES



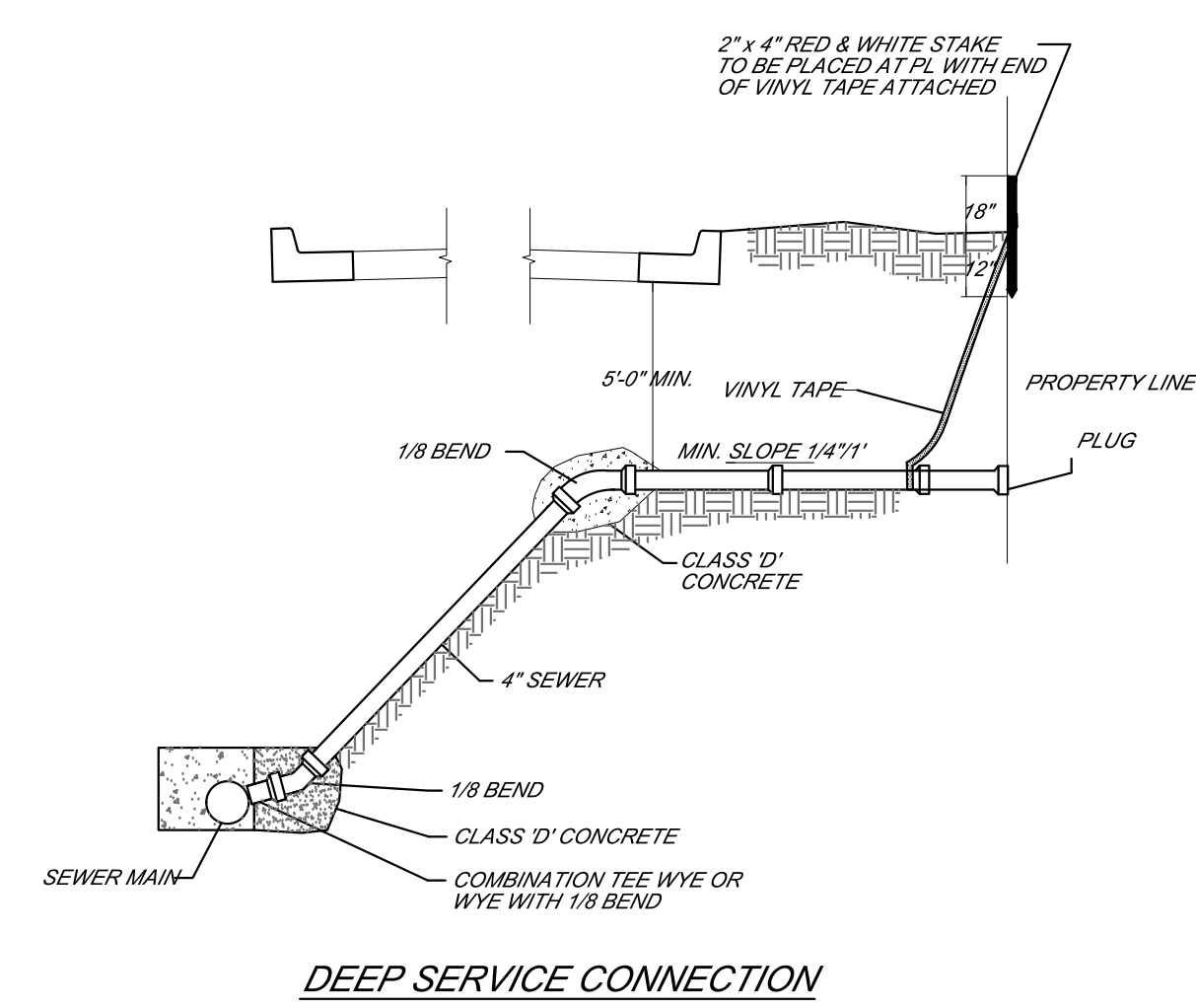
MANHOLE BOXOUT DETAIL

BOXOUT REQUIRED IN ASPHALT OR CONCRETE PAVEMENT  
CONCRETE SHALL BE 5000 PSI  
7" MIN. THICKNESS ON MATCH PAVEMENT  
REINFORCING - NO. 4 BARS ON 8" CENTERS BOTH WAYS  
CONCRETE PAVEMENT  
3/4" DOWELS AT 12" OC INTO CONCRETE PAVEMENT  
DOWEL MIN. LENGTH 18"



STANDARD SERVICE CONNECTION

- NOTES:
1. WHEN 4" SEWER SERVICE LINE ROADWAY CROSSINGS ARE MADE BY BORING THE UPPER VERTICAL BEND SHALL BE ELIMINATED. THE BORE PORTION OF THE ROADWAY CROSSING SHALL BE GRADED ON 2.00% (MIN.) ASCENDING GRADE.
  2. SEWER LINES 15 FEET DEEP OR GREATER SHALL BE PVC SDR 26 MINIMUM
  3. CURB SHALL BE STAMPED WITH A 1/4" ON 3/4" (2" MIN.) AT WATER AND SEWER SERVICE LOCATIONS
  4. USE SAME DETAIL FOR ALL SIZE SERVICE. VARY LOCATIONS SHOWN TO FIT FIELD CONDITIONS.
  5. IN AREAS WHERE CONSTRUCTION CONDITIONS VARY FROM THOSE SHOWN, ADJUST LOCATIONS TO CONFORM TO ACTUAL FIELD CONDITIONS.
  6. CONCRETE UNDER CURB IS REQUIRED WHERE SERVICE IS INSTALLED BY OPEN CUT UNDER EXISTING CURB.
  7. SEWER SERVICE TO BE EXTENDED TO EASEMENT LINE IF EASEMENT IS PRESENT ADJACENT TO PROPERTY LINE.

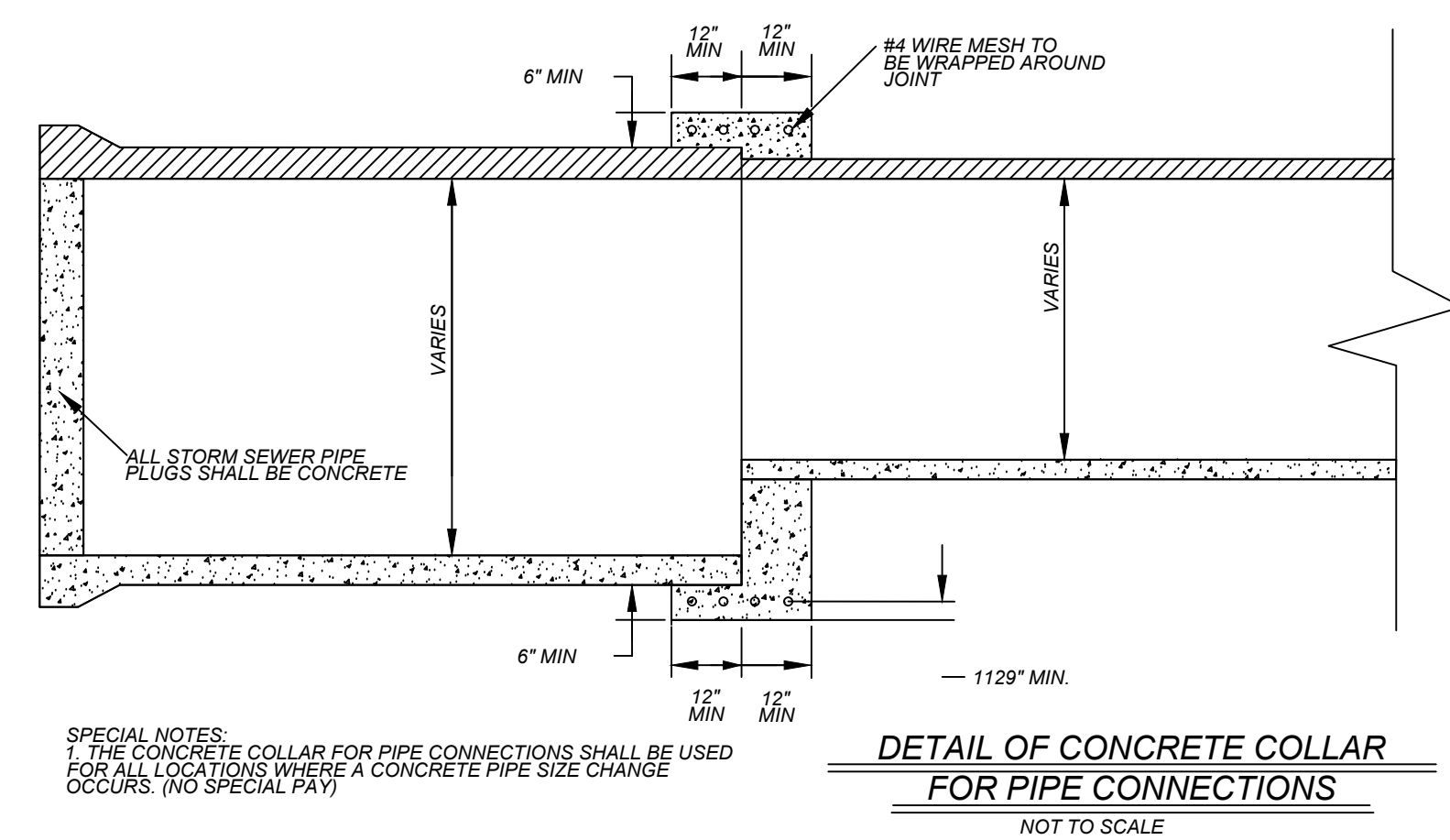


DEEP SERVICE CONNECTION  
(WHERE SEWER MAIN EXCEEDS 8' FLOW LINE DEPTH)

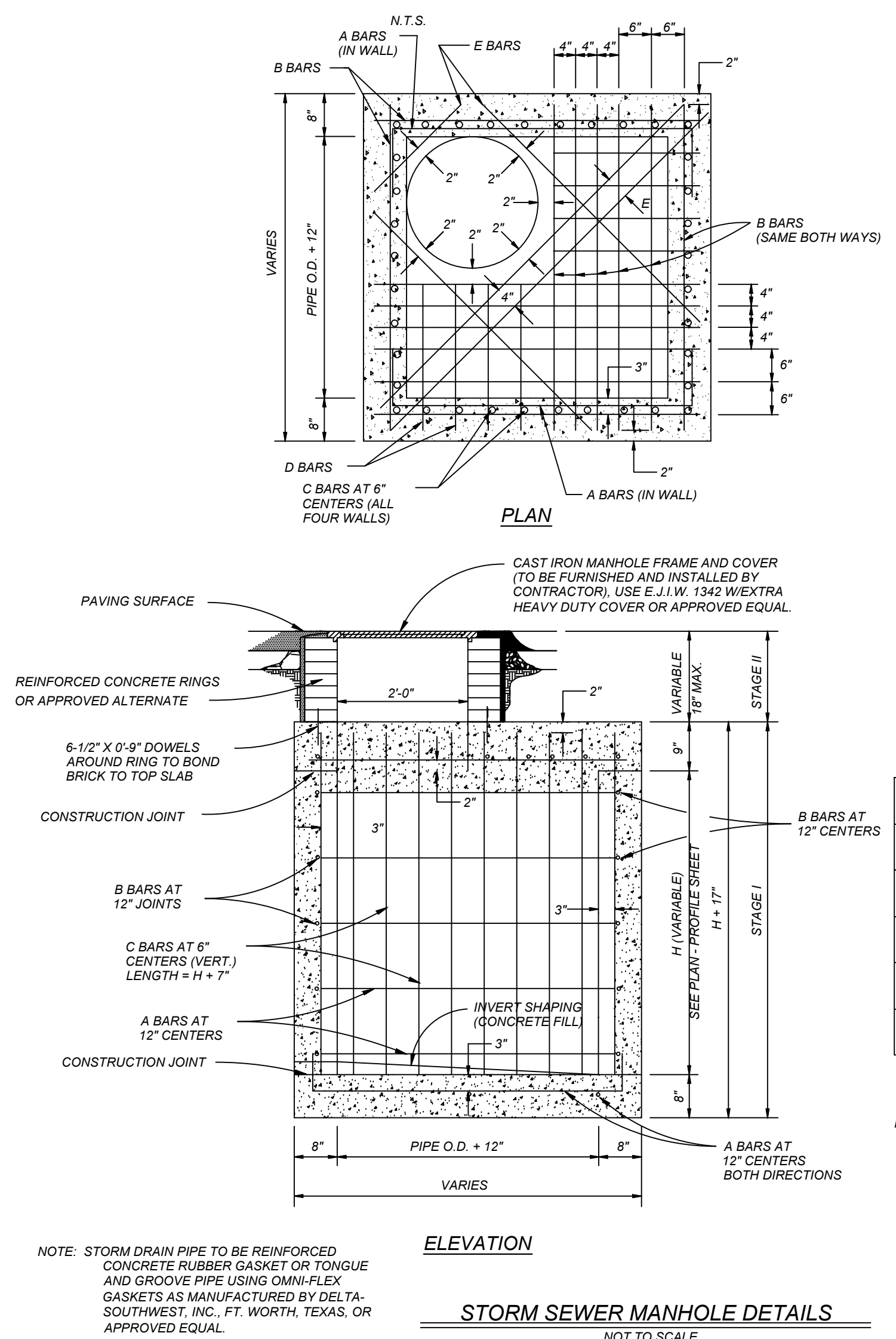
NOTE:  
SEWER SERVICES WILL BE BACKFILLED WITH 2-27 CONCRETE WHERE CROSSING UNDER CURB & GUTTER. TYPE "B" EMBEDMENT SHALL BE USED FOR SERVICE TRENCHED WITHIN THE STREET.



NEW MAINTENANCE AND OPERATION WAREHOUSE  
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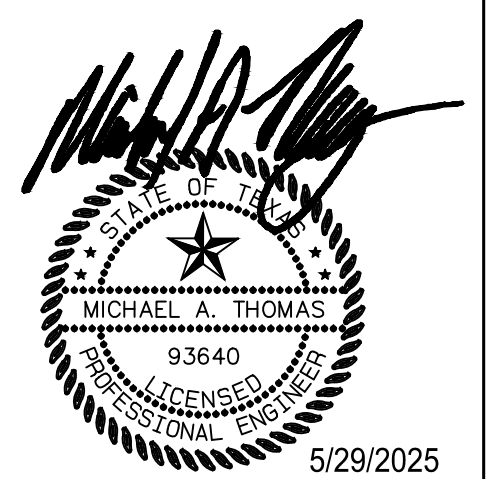
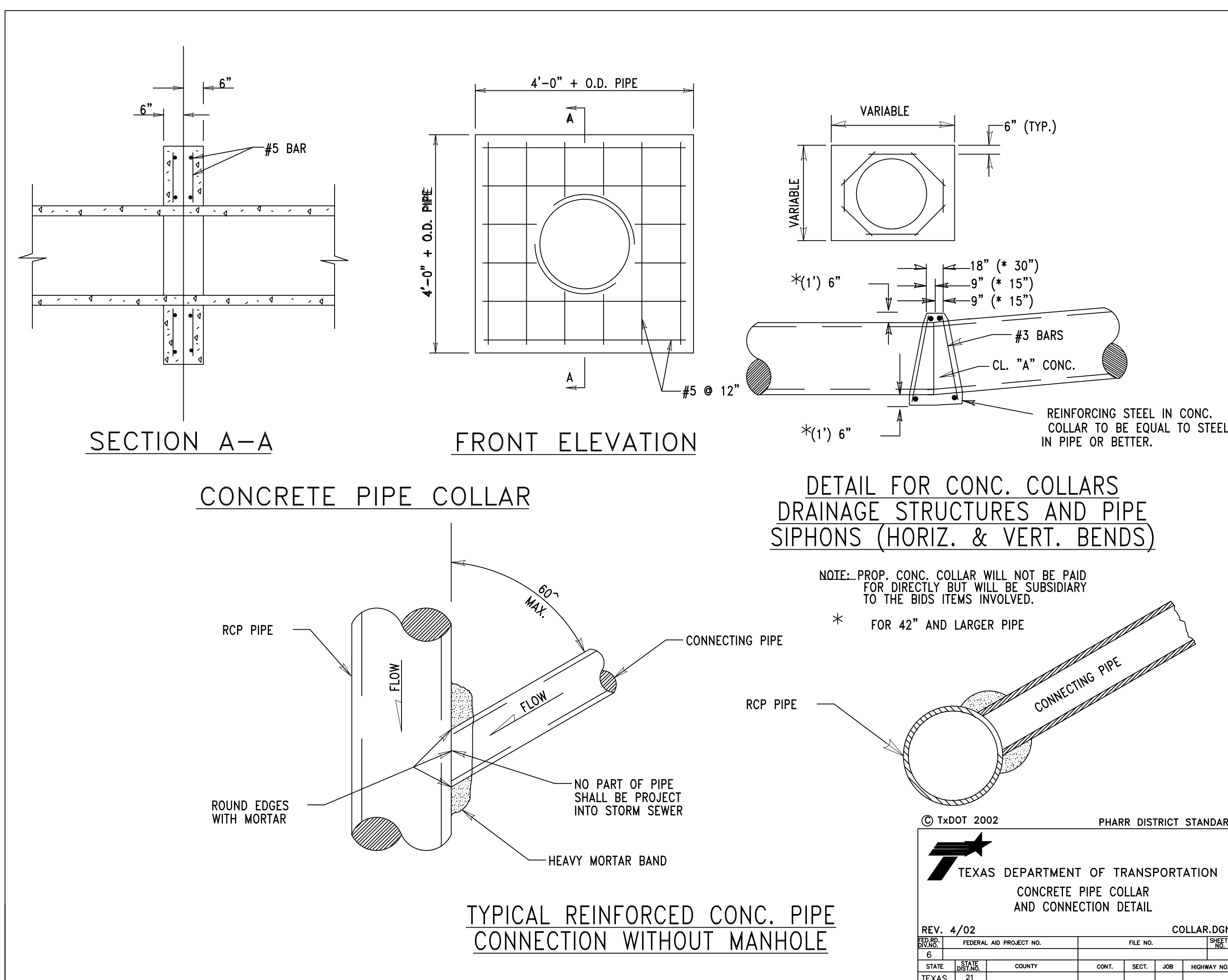
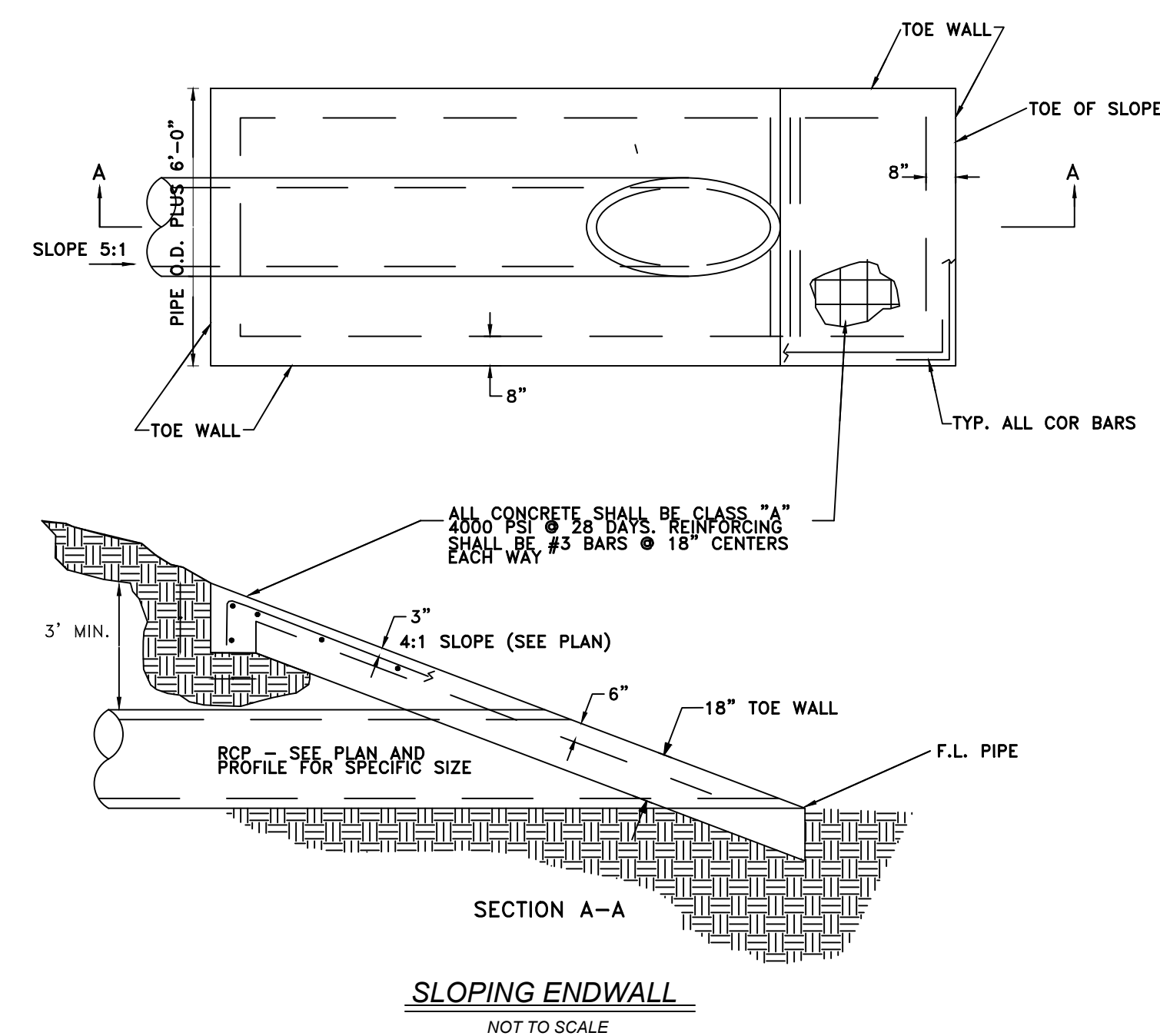
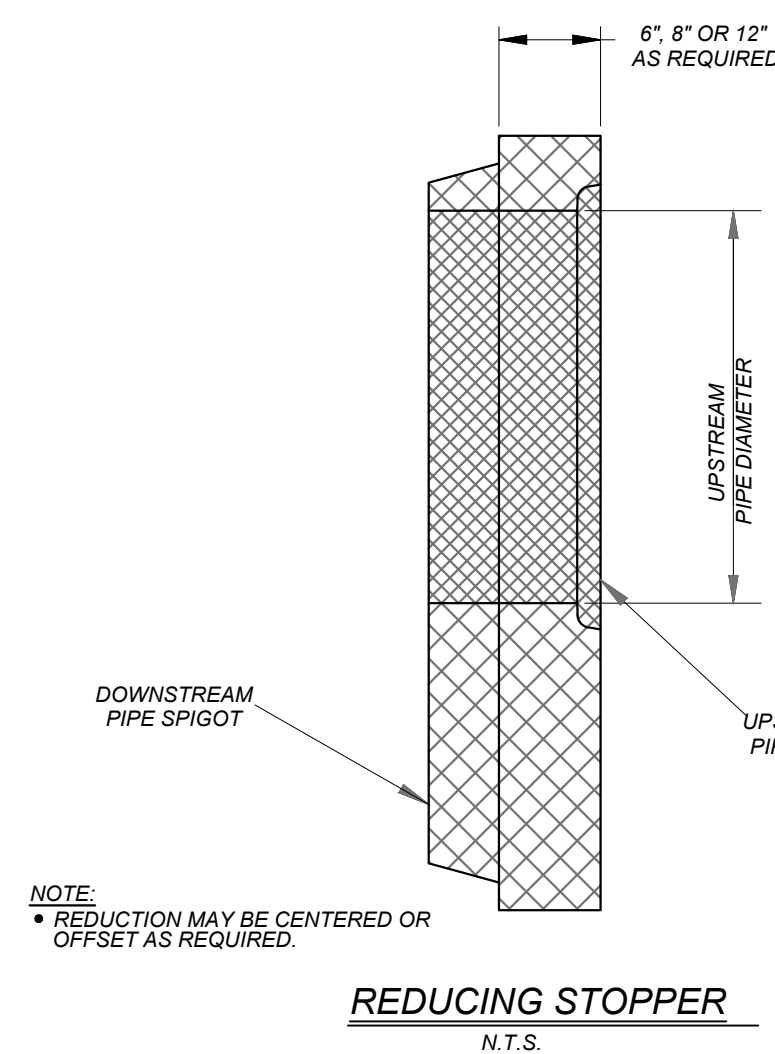


NOTES:  
THIN WALL KNOCKOUTS WILL ONLY BE ALLOWED AT LOCATIONS  
WHERE PIPES WILL CONNECT. IF NO PIPE CONNECTION THIN WALL  
KNOCKOUT SHALL **NOT** BE ALLOWED



## GENERAL NOTES:

1. LAYERS OF REINFORCED STEEL NEAREST THE INTERIOR AND EXTERIOR SURFACES SHALL HAVE A COVER OF 2" TO THE CENTER OF BARS.  
UNLESS OTHERWISE NOTED.
2. EXCAVATION FOR MANHOLE TO BE INCLUDED IN THE UNIT PRICE BID FOR MANHOLE.
3. FOR DETAILS OF REINFORCING OF LOWER PORTIONS OF INLET SEE APPROPRIATE SQUARE MANHOLE DETAILS.
4. DEPTH OF DROP INLET FROM FINISHED GRADE TO FLOW LINE OF INLET VARIABLE. APPROXIMATE DEPTH WILL BE SHOWN ON PLANS AT LOCATION OF INLET.
5. ALL STANDARD DROP INLETS SHALL HAVE ONE OPENING ON EACH SIDE UNLESS SHOWN OTHERWISE ON PLANS.





**26 STORM SEWER DETAILS**  
SCALE: SEE PLAN

# MJTHOMAS

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## C2.08

## NEW MAINTENANCE AND OPERATION WAREHOUSE

## NEW MAINTENANCE & OPERATIONS WAREHOUSE



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## STRUCTURAL ENGINEER

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APPROVAL, PERMITTING  
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LAUREN V. BROWN  
TEXAS LICENSE #23211

Project Issued: MAY 30,2025

## REVISIONS

Director  
LVB  
DESIGNER  
JMR  
PROJECT A  
JCL

DRAWN BY  
DRW  
QUALITY CONTROL  
QC

PROJECT NO.

24-103.00

## STORM SEWER DETAILS

SHEET NO.

## KEY PLAN



NEW MAINTENANCE AND OPERATION WAREHOUSE  
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Revision No. Revision Date

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DESIGNER  
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JCL

DRAWN BY  
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QUALITY CONTROL  
QC

PROJECT NO.

24-103.00

SHEET TITLE

SEDIMENT CONTROL DETAILS

SHEET NO.

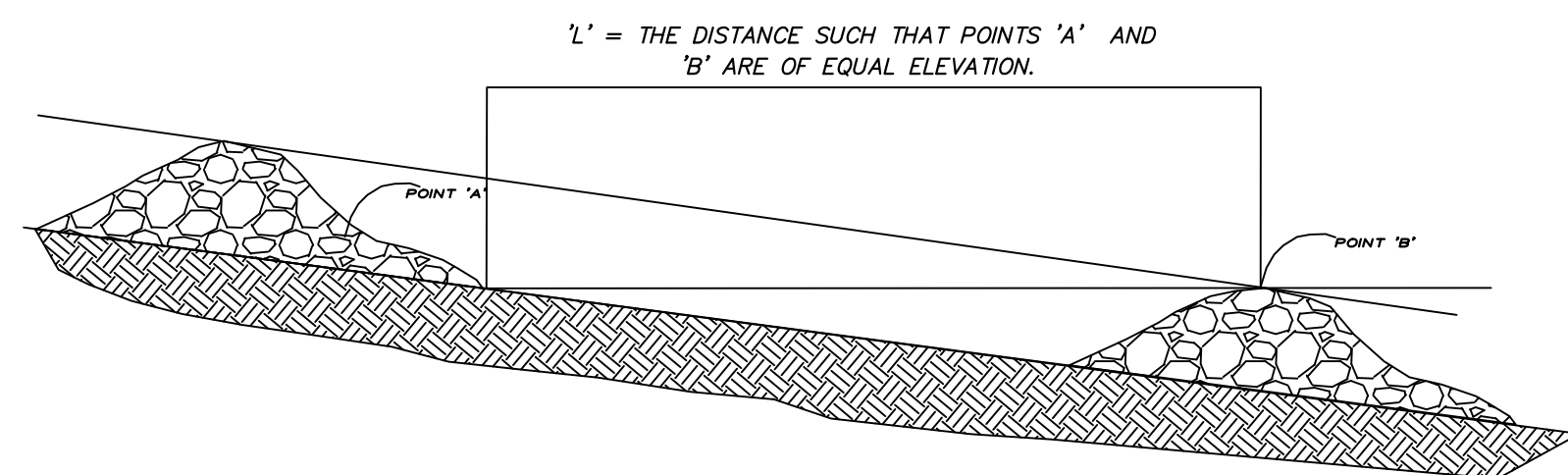
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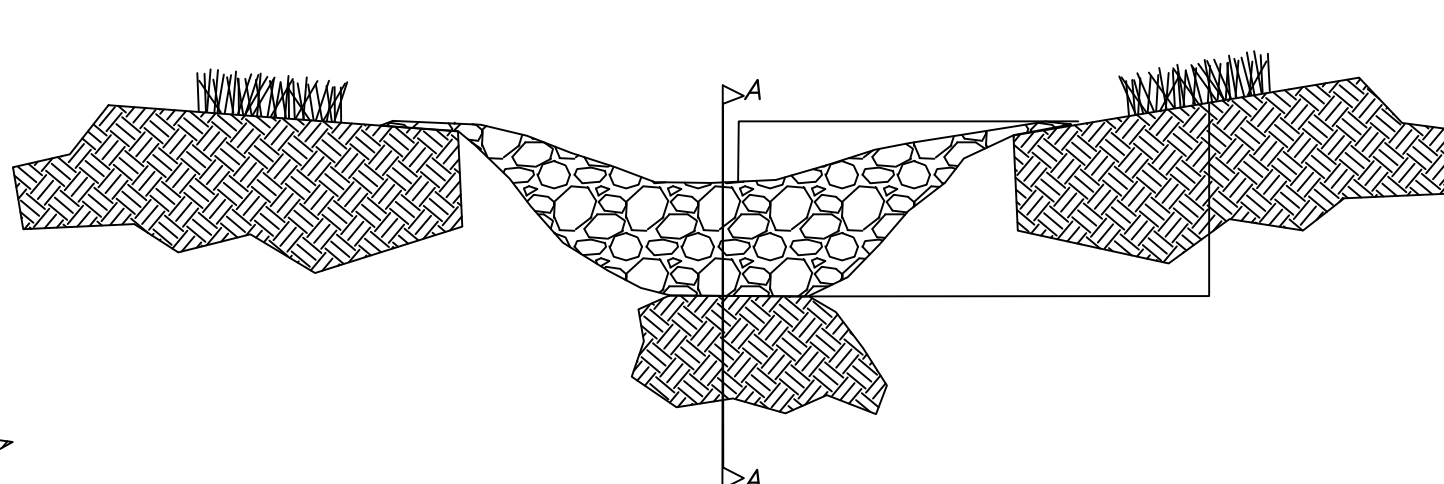
NEW MAINTENANCE AND  
OPERATION WAREHOUSE

NEW MAINTENANCE & OPERATIONS WAREHOUSE

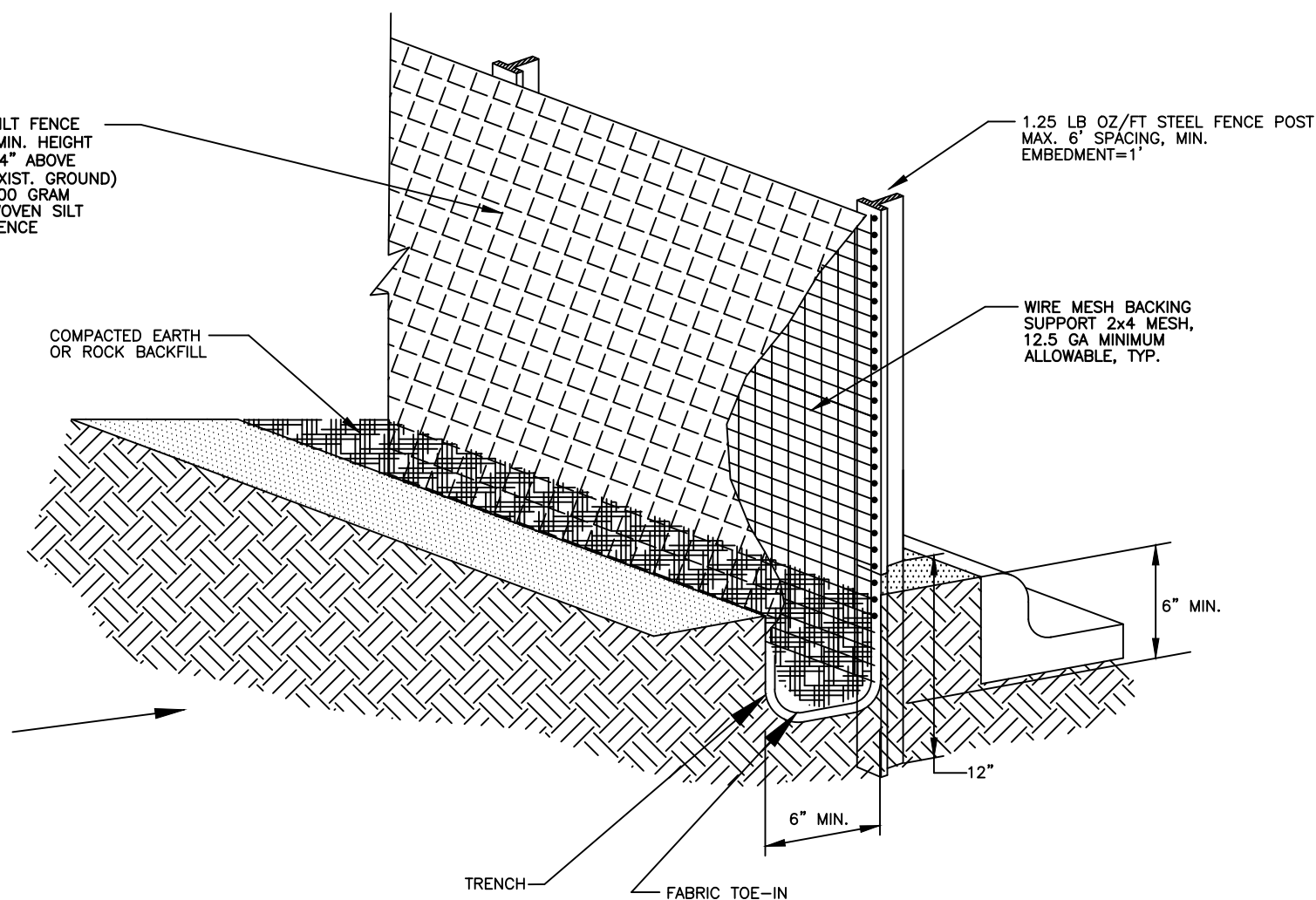
WHITE SETTLEMENT ISD  
WHITE SETTLEMENT, TX



SPACING BETWEEN CHECK DAMS



VIEW LOOKING UPSTREAM

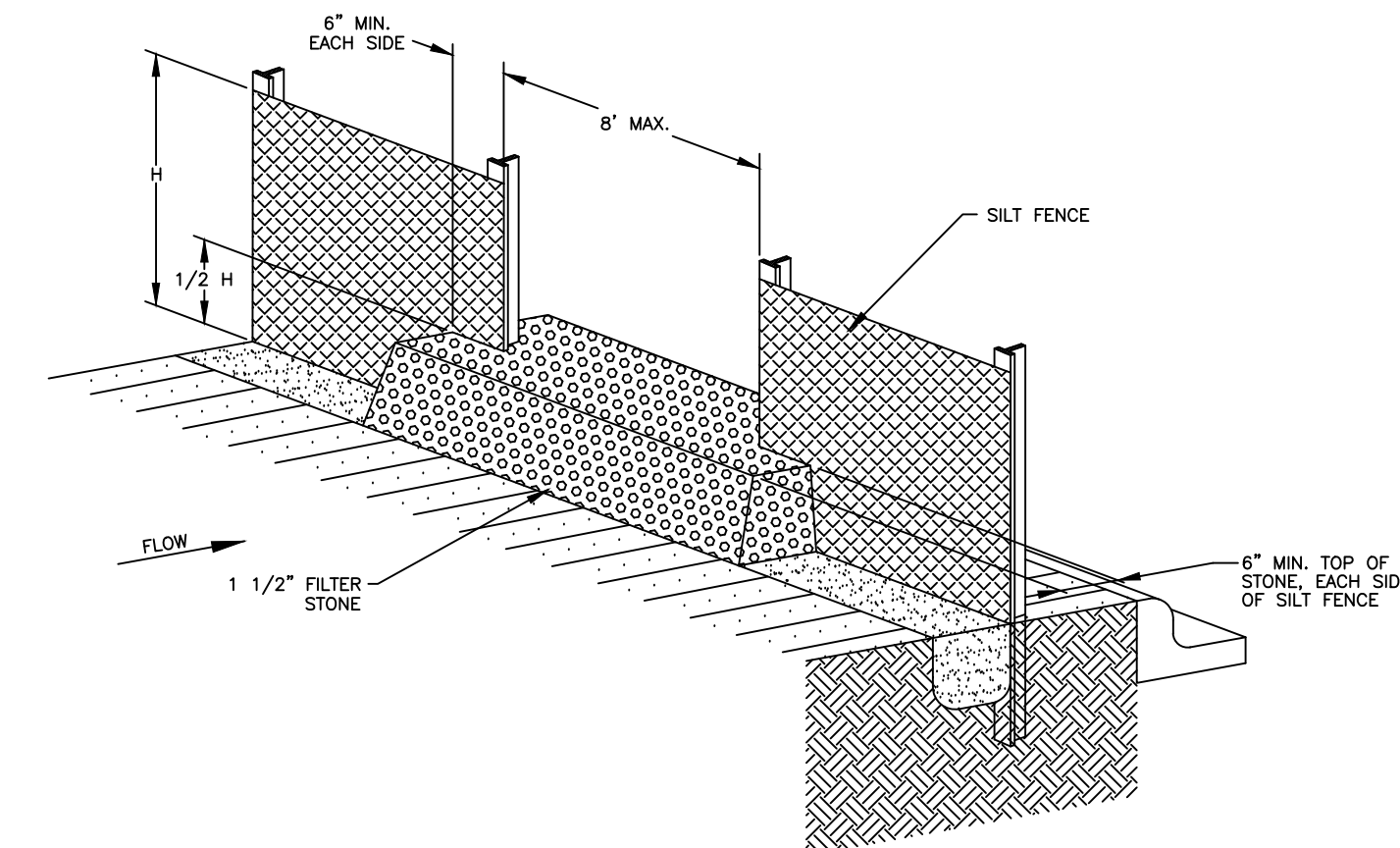
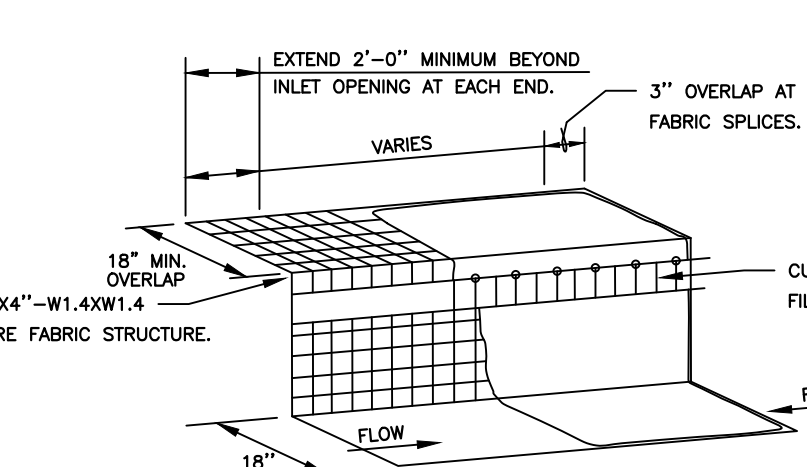


SILT FENCE GENERAL NOTES

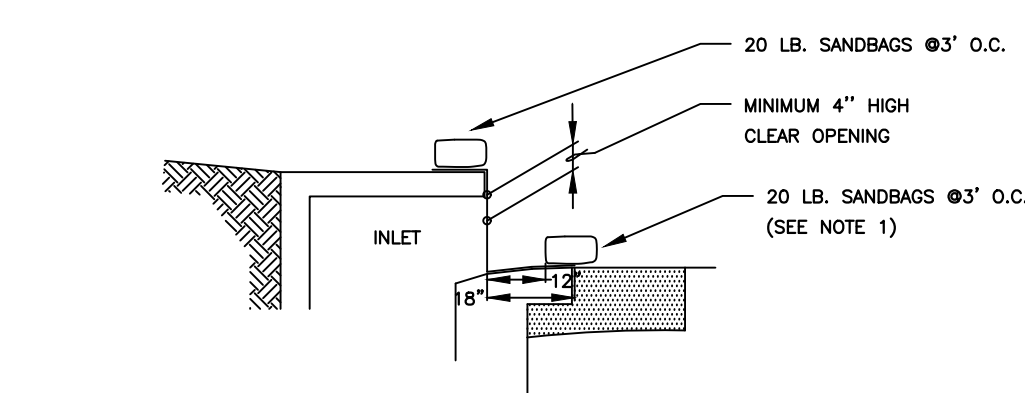
- STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
- THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPIDE STORM FLOW OR DRAINAGE.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

NOTE: STONE OVERFLOW STRUCTURES OF OTHER OUTLET CONTROL DEVICES SHALL BE INSTALLED AT ALL LOW POINTS ALONG THE FENCE OR EVERY 300 FEET IF THERE IS NO APPARENT LOW POINT.

ISOMETRIC PLAN VIEW  
N.T.S.



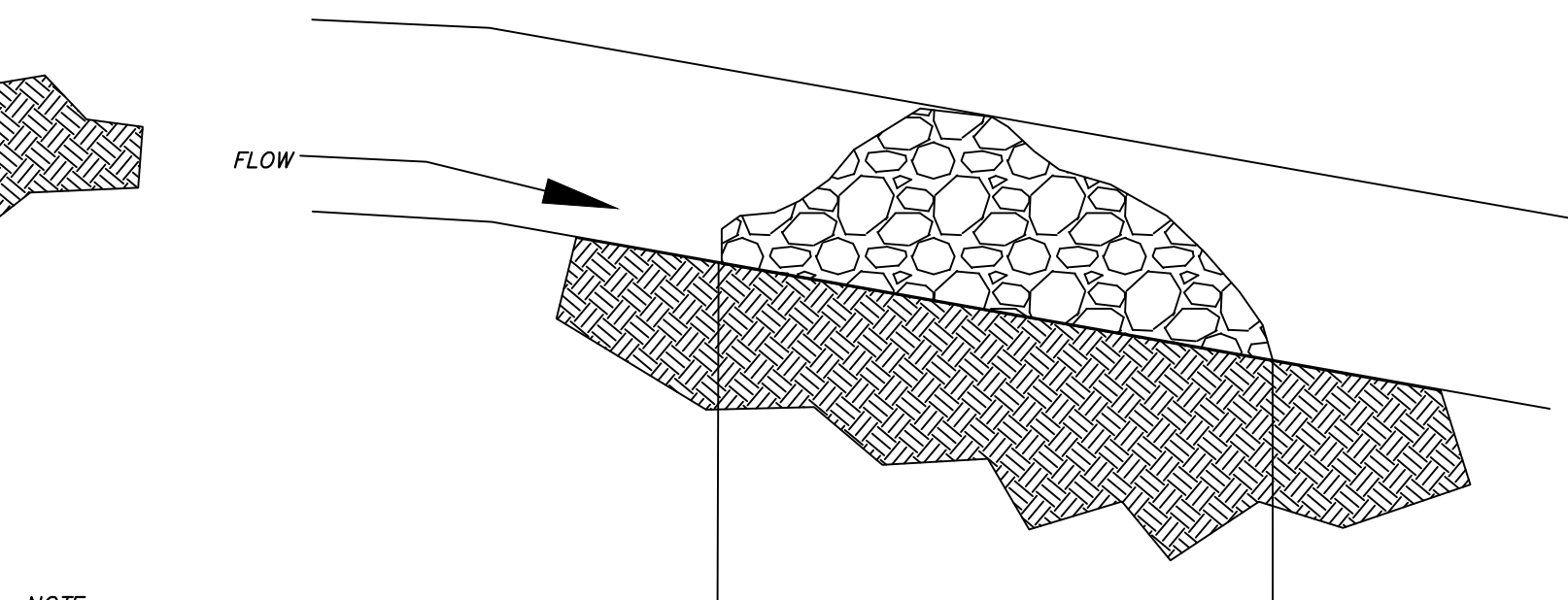
SILT FENCE  
STONE OVERFLOW STRUCTURE  
N.T.S.



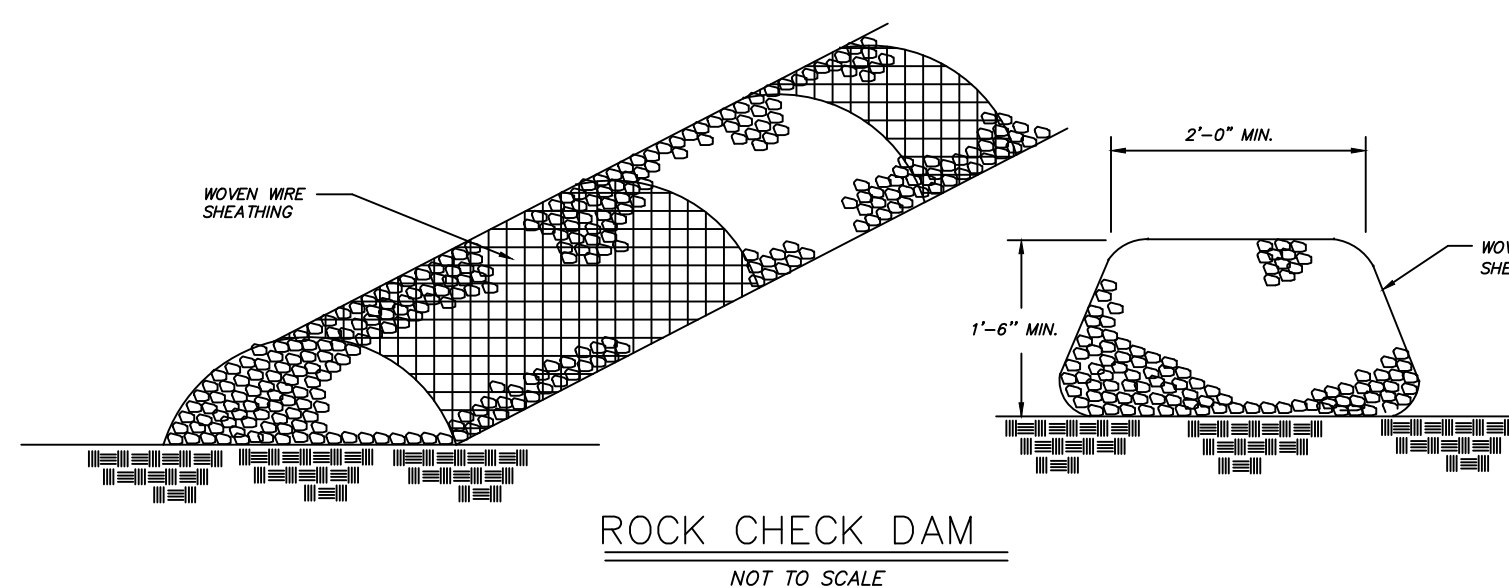
CURB INLET PROTECTION DETAIL  
NOT TO SCALE

- NOTES:
- A SECTION OF FILTER FABRIC SHALL BE REMOVED AS SHOWN ON THIS DETAIL TO PROVIDE A 4" MINIMUM CLEAR OPENING. FABRIC MUST BE SECURED TO WIRE BACKING WITH CLIPS OR HOOD RINGS AT THIS LOCATION.
  - INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2".
  - CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY REMOVE THE INLET PROTECTIONS IF THE STORM-WATER BEGINS TO OVERTOP THE CURB.
  - INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

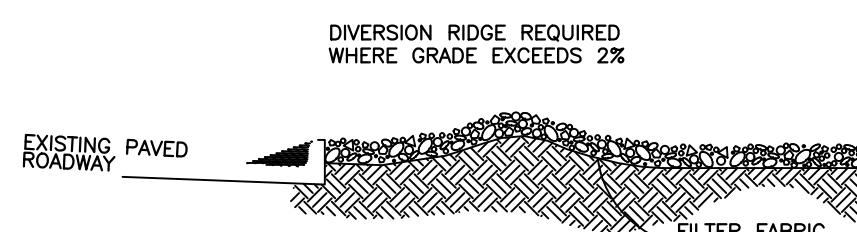
INLET OPENING	MINIMUM NUMBER OF SAND BAGS
	TOP FRONT
5'	2 3
10'	3 3
15'	3 4
20'	4 4



SECTION A - A



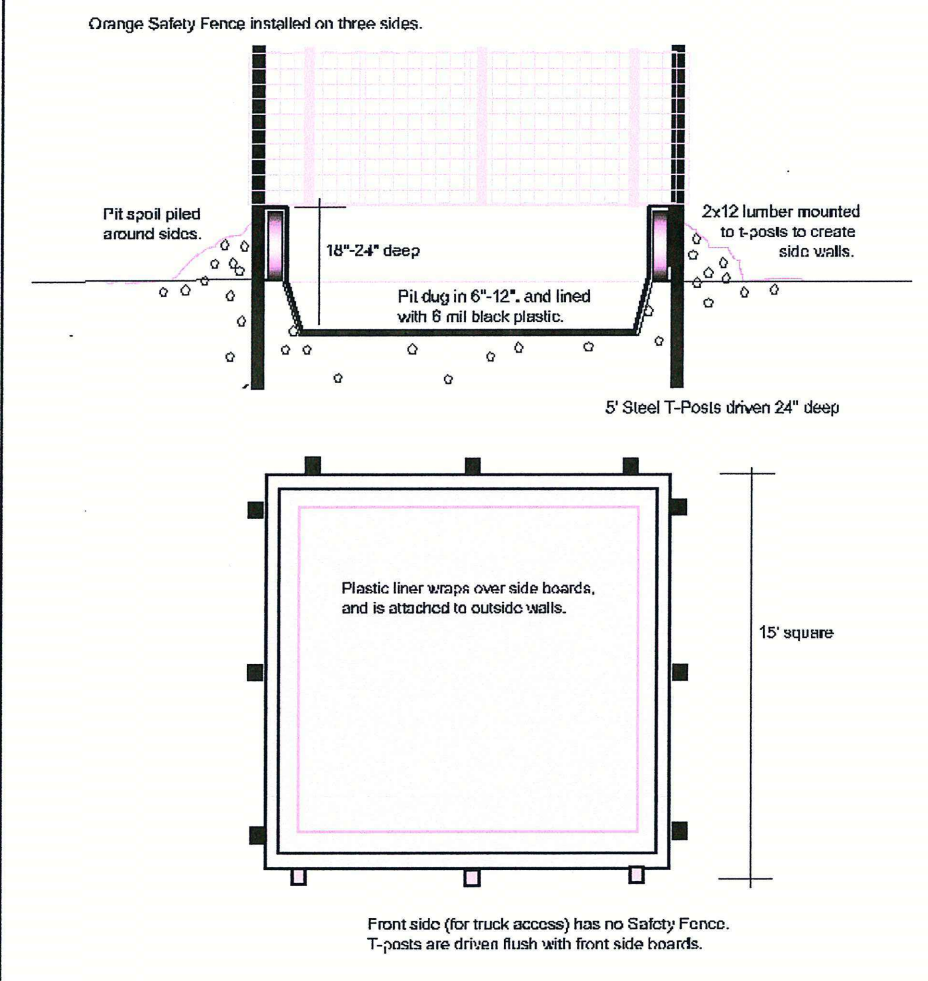
ROCK CHECK DAM  
NOT TO SCALE



SECTION A - A

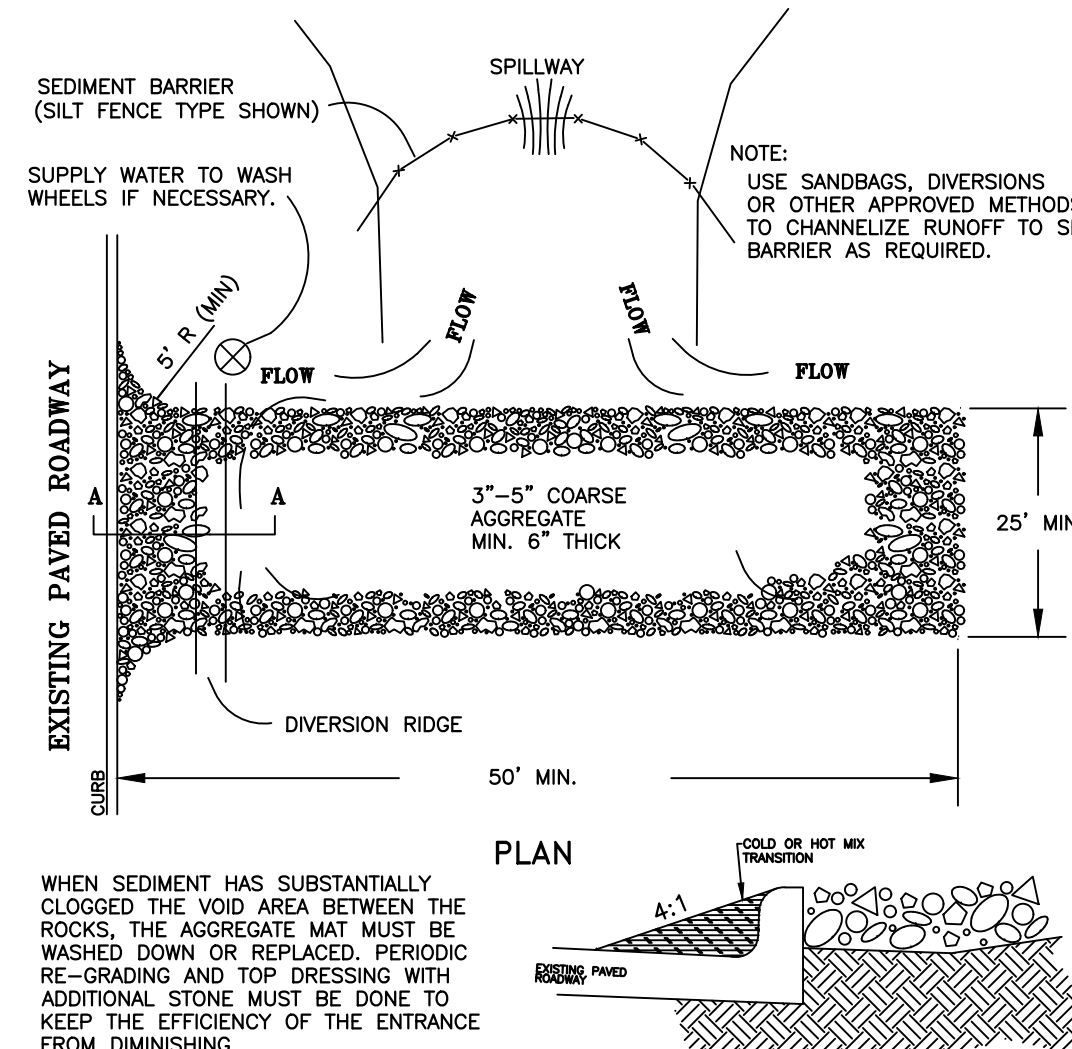
**Best Management Practice  
Concrete Washout**

The purpose of this BMP is to provide a controlled location for the dumping of waste concrete and concrete truck washout water. With its liner, this BMP will trap the waste concrete liquids, keeping them from leaching into the soil and allowing them to evaporate. The solids can then be removed and disposed of properly.



DISTURBED AREA	MIN. WIDTH OF EXIT	MIN. LENGTH OF EXIT
<1 ACRE	15 FEET	20 FEET
≥1 ACRE BUT <5 ACRES	25 FEET	50 FEET
≥5 ACRES	30 FEET	50 FEET

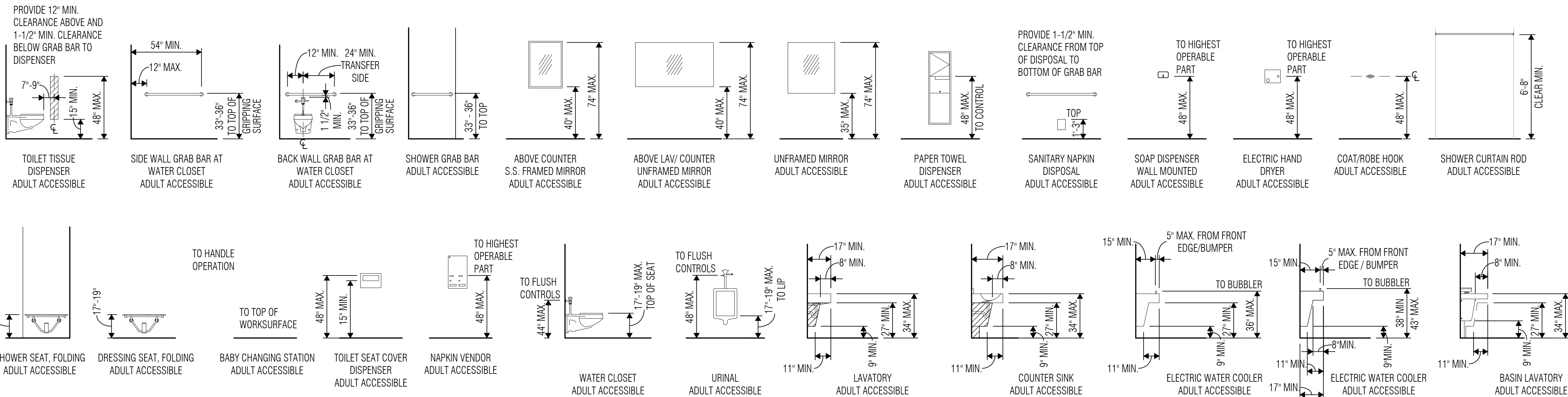
TEMPORARY STONE CONSTRUCTION  
ENTRANCE/EXIT  
N.T.S.



TRANSITION

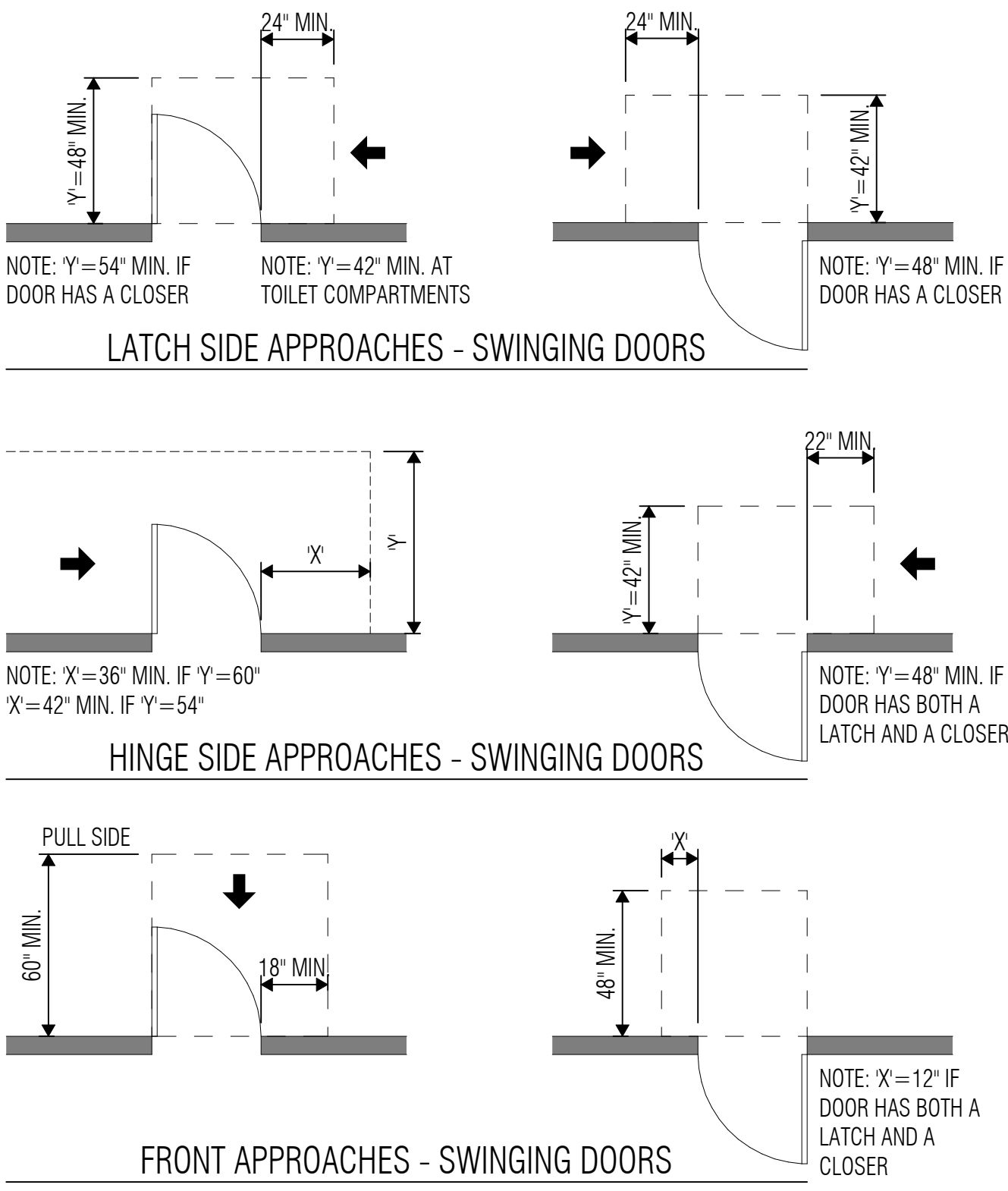
TEMPORARY STONE CONSTRUCTION  
ENTRANCE/EXIT  
N.T.S.





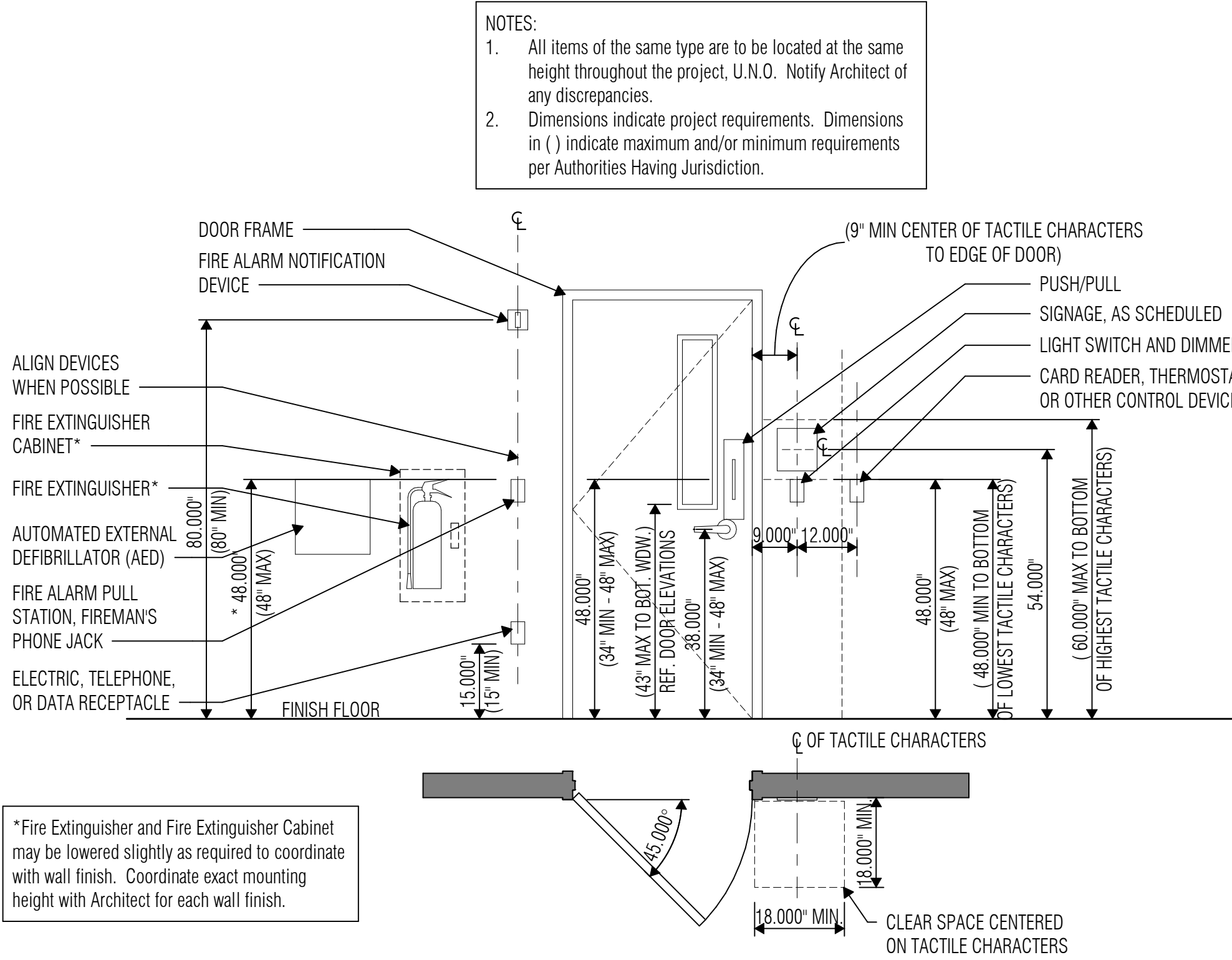
### ACCESSIBLE TOILET ACCESSORY & PLUMBING FIXTURE MOUNTING CRITERIA - ADULT (AGES 13 & ABOVE)

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



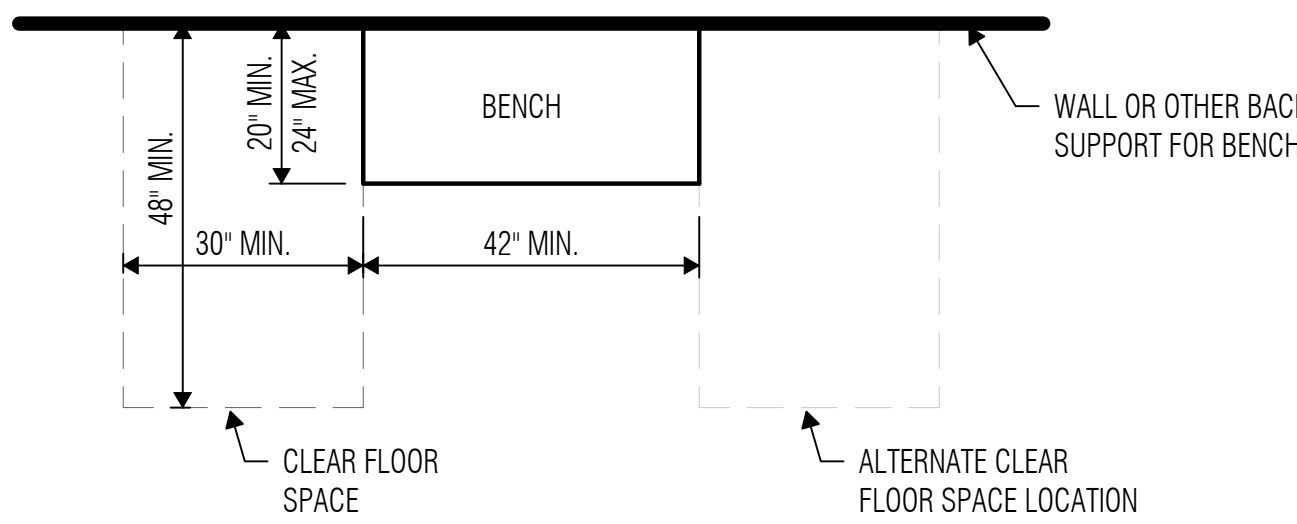
### MINIMUM MANEUVERING CLEARANCES AT DOORS

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



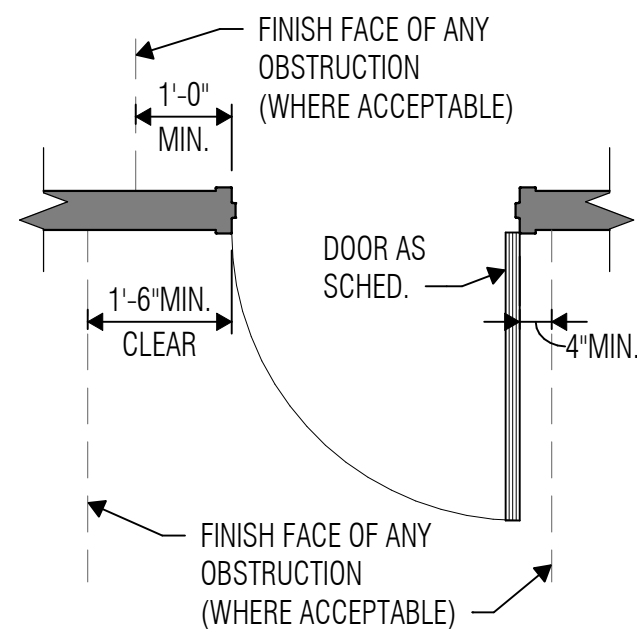
### MISC ACCESSIBLE MOUNTING CRITERIA

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



### TYPICAL BENCH SIZE & CLEAR FLOOR SPACE

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



### TYPICAL DOOR CLEARANCES AT HINGE & STRIKE SIDE

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

TEXAS ACCESSIBILITY STANDARDS	
PROVISIONS FOR ADULTS AND CHILDREN	ADULTS AGES 13 & ABOVE
REACH RANGES	
UNOBSTRUCTED FRONTAL AND SIDE APPROACH	15" MIN. - 48" MAX.
OBSTRUCTED FRONT APPROACH $\leq$ 20" D. (OPEN UNDER)	48" MAX.
OBSTRUCTED FRONT APPROACH $>$ 20" D. - 25" D. MAX (OPEN UNDER)	44" MAX.
OBSTRUCTED SIDE APPROACH $\leq$ 10" D. - 34" H. MAX	48" MAX.
OBSTRUCTED SIDE APPROACH $>$ 10" D. - 24" D. MAX & 34" H. MAX	46" MAX.
RAMPS AND STAIRS	
TOP OF HANDRAIL GRIPPING SURFACE	34" - 38"
DRINKING FOUNTAINS AND WATER COOLERS	
FRONTAL APPROACH	
SPOUT HEIGHT (TO OUTLET)	36" MAX.
KNEE CLEARANCE	27" MIN.
SIDE APPROACH	
SPOUT HEIGHT (TO OUTLET)	USE FRONT APPROACH
KNEE CLEARANCE	
STANDING	
SPOUT HEIGHT (TO OUTLET)	38" MIN. - 43" MAX.
WATER CLOSETS	
CENTERLINE TO WALL OR PARTITION	16" - 18"
CENTERLINE TO WALL OR PARTITION AT AMBULATORY STALL	17" - 19"
TOP OF SEAT	17" - 19"
GRAB BARS (TO TOP OF GRIPPING SURFACE)	33" - 36"
TOILET TISSUE DISPENSER HEIGHT	15" - 48"
HAND-OPERATED FLUSH CONTROLS	44" MAX.
URINALS	
RIM OF BASIN	17" MAX.
HAND-OPERATED FLUSH CONTROLS	48" MAX.
LAVATORIES AND SINKS	
RIM OR COUNTER SURFACE	34" MAX.
KNEE CLEARANCE (LAVATORIES)	27" MIN.
KNEE CLEARANCE (SINKS)	27" MIN.
TO FAUCET HANDLES FROM FRONT EDGE	25" MAX. <sup>2</sup>
MIRRORS	
TO TOP OF REFLECTING SURFACE	74" MIN.
TO BOTTOM OF REFLECTING SURFACE AT LAVS & COUNTERS	40" MAX.
TO BOTTOM OF REFLECTING SURFACE	35" MAX.
CONTROLS AND OPERATING MECHANISMS	
HIGHEST OPERABLE PART	
UNOBSTRUCTED FRONTAL AND SIDE APPROACH	48" MAX.
OBSTRUCTED FRONT APPROACH $\leq$ 20" D. (OPEN UNDER)	48" MAX.
OBSTRUCTED FRONT APPROACH $>$ 20" D. - 25" D. MAX. (OPEN UNDER)	44" MAX.
OBSTRUCTED SIDE APPROACH $\leq$ 10" D. - 34" D. MAX. & 34" H. MAX.	48" MAX.
OBSTRUCTED SIDE APPROACH $>$ 10" D. - 24" D. MAX. & 34" H. MAX.	46" MAX.
FIXED OR BUILT-IN SEATING, TABLES, & WORK STATIONS	
HEIGHT OF TABLES OR COUNTERS	28" - 34"
KNEE CLEARANCES	27" MIN.
DRESSING, FITTING & LOCKER ROOMS	
TOP OF BENCH	17" - 19"
BACK SUPPORT 18" H MIN. OR AFFIX BENCH TO WALL	
FOOD SERVICE LINES	
TOP OF TRAY SLIDE	28" - 34"

### TEXAS ACCESSIBILITY STANDARDS NOTES

- The dimensional ranges included for items on this sheet are the maximum and minimum dimensions allowed by the Texas Accessibility Standards (TAS). There are no tolerances allowed for these dimensions.
- Mounting criteria for Toilet Accessories on this sheet is the allowable criteria per the TAS. Refer to Sheet A2.38 for project-specific mounting criteria (if different than the TAS requirements), as well as for non-accessible mounting criteria.



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#### REVISIONS

Revision No. Revision Date

Director  
LB  
Designer  
Proj. Arch.  
LH

Drawn By  
MO  
Quality Control

#### PROJECT NO.

24-103.00

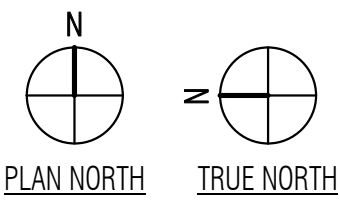
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TEXAS ACCESSIBILITY  
STANDARDS  
REQUIREMENTS

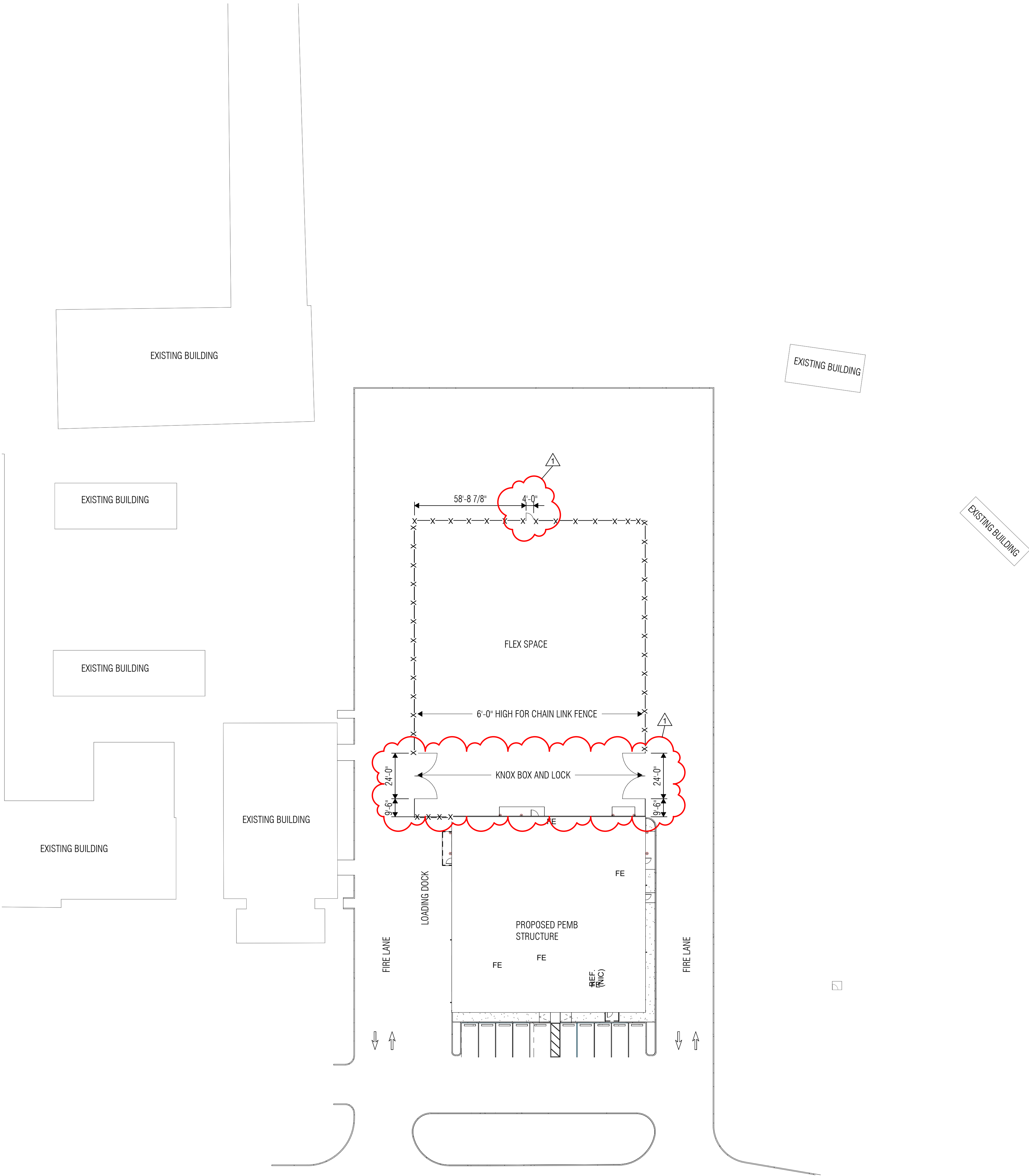
#### SHEET NO.

A0.31





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



- SITE PLAN NOTES**
1. Verify and document existing dimensions and conditions at the site before beginning construction. Notify the Architect of conflicts or variations prior to commencement of construction.
  2. To prevent damage to existing trees and shrubs in proximity to the Work, provide and maintain protective barriers around those items in accordance with the specified procedures, or in the absence of those procedures, with recognized landscaping and horticultural practices.

- SITE PLAN LEGEND**
- X—X—X— CHAIN LINK FENCE



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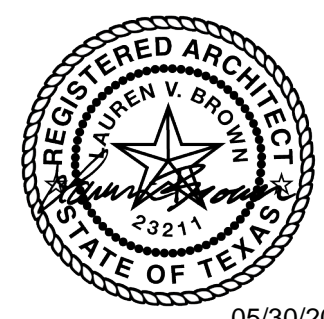
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Quality Control

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SHEET TITLE

OVERALL SITE PLAN

SHEET NO.

A1.11

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WHITE SETTLEMENT (SD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE





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SHEET TITLE

FLOOR PLAN

SHEET NO.

A2.11

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WHITE SETTLEMENT (SD  
WHITE SETTLEMENT, TX

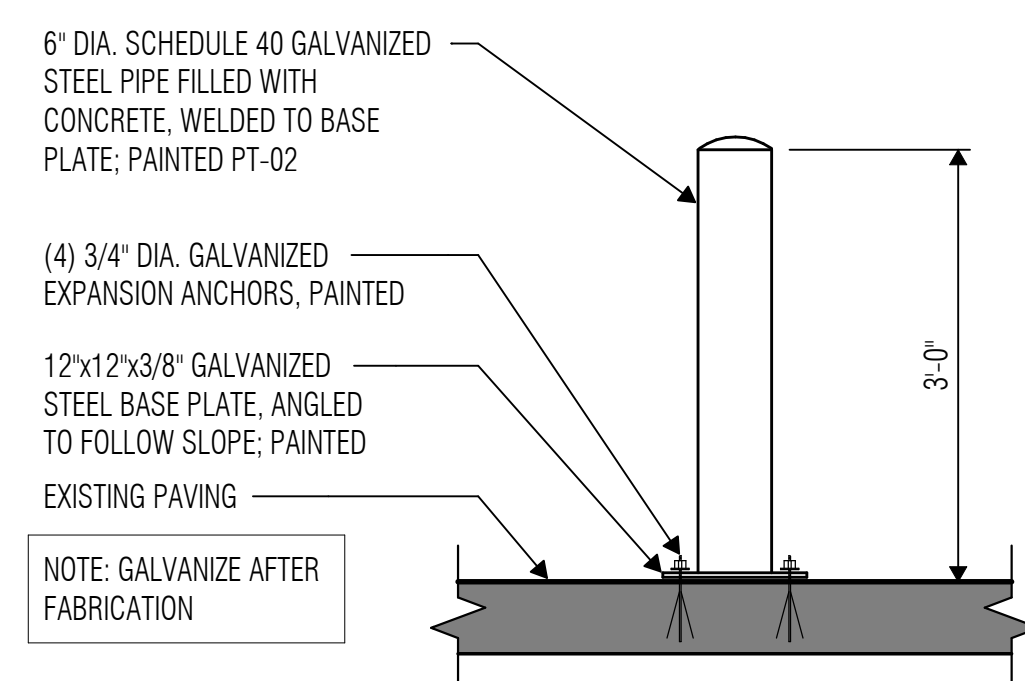
NEW MAINTENANCE & OPERATIONS WAREHOUSE

FLOOR PLAN NOTES

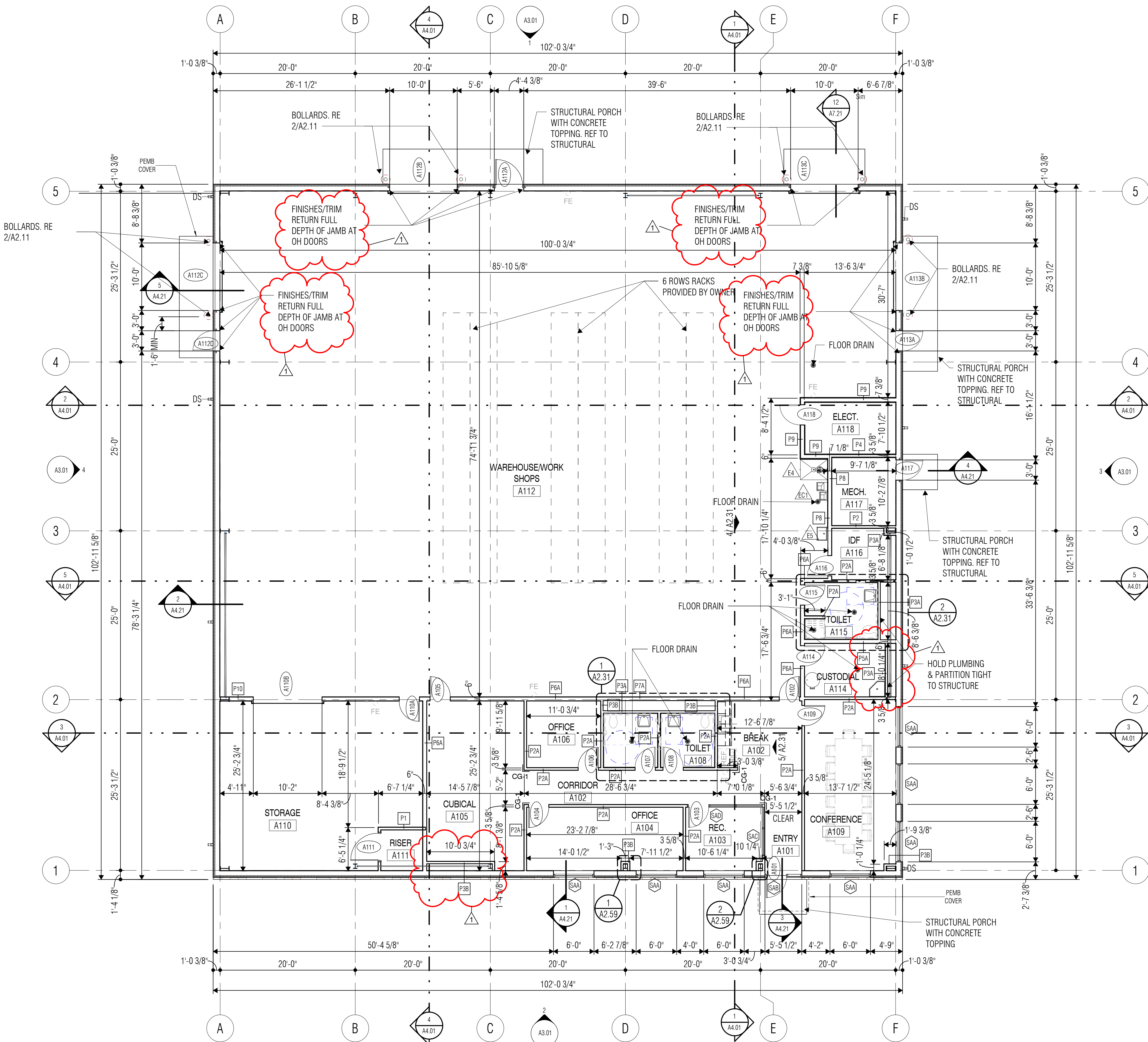
- Primary Ground Level floor elevation is 100.XX' (Mean Sea Level), which equals to 100'-0" datum.
- Dimensions on Floor Plans are to face of stud unless noted otherwise.
- Coordinate the location of electrical devices with casework, millwork, lockers, etc. Any electrical device that is not properly coordinated shall be relocated at no additional cost.
- Exterior wall construction is identified on the Wall Sections. Refer to the A4 series sheets for Wall Sections, and to Sheet A4.11 for Exterior Wall Assemblies.
- Refer to Exterior Elevation Notes for control joint requirements at all inside corners of masonry veneer.
- Refer to Sheet A2.21 for Partition Types.
- Interior partitions are Type "P1" unless noted otherwise.
- Refer to Detail 3/A0.31 for Typical Door Maneuvering Clearances. All new doors shall meet the requirements of that detail. If any door is found that does not comply with these requirements, request clarification from the Architect prior to construction.
- Refer to Detail 6/A2.21 for Typical Gypsum Board Control Joint Details at all CFS and light-gage steel stud partition openings.
- Refer to Sheet A2.21 for Typical Partition Penetration Details, including pipe, conduit and ductwork penetrations.
- Refer to Exterior Elevations for exact locations of downspouts.
- Provide minimum 20 gage light-gage steel studs at all interior partitions scheduled to receive ceramic tile or plaster.
- Provide minimum 18 gage cold-formed steel studs at all interior partitions scheduled to receive anchored masonry or stone veneer as well as interior partitions with steel plate or steel sheet X-bracing.
- Provide minimum 18 gage cold-formed steel studs as designed by stud engineer for all interior partitions scheduled to receive adhered masonry or stone veneer.
- At light-gage steel stud partitions that extend above the ceiling, provide diagonal 20 gage stud braces at 4'-0" o.c. to structure above (not to steel deck) as required to provide rigid anchorage and support of partitions.
- Provide minimum 2 X 6 fire-retardant treated wood blocking in both new and existing stud walls and partitions, at mounting locations for wall-mounted accessories, handrails, casework, markerboards, tackboards, folding partitions, toilet partitions, and all other wall-mounted items. Refer to Sheet A2.21 for typical blocking requirements at various conditions.
- At Mechanical, Electrical and Boiler Room partitions, seal tightly around all penetrations. Utilize fire safing material at rated partitions.
- Provide sealant and/or fire safing at all floor penetrations, as applicable.
- All metal stud must be 3/8" min. clearance from PEMB structure to allow for H/400 dritt

FLOOR PLAN LEGEND

- |     |  |
|-----|--|
|     | METAL STUD PARTITION. Extend 4" above highest ceiling plane and brace to structure above as noted in Floor Plan Notes. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above. |
|     | CMU PARTITION. Extend 4" above highest ceiling plane and brace to structure above as detailed. Refer to Reflected Ceiling Plan for fire, smoke and sound-conditioned partitions that extend to deck above.                         |
|     | FURNITURE, FIXTURE OR EQUIPMENT BY OWNER. Coordinate with adjacent electrical devices, casework, etc.  |
| MB  | MARKERBOARD. Preceding number is length, in feet.  |
| TB  | TACKBOARD. Preceding number is length, in feet.  |
| TS  | TACK STRIP. Preceding number is length, in feet.   |
| IM  | INTERACTIVE MARKERBOARD  |
| IFP | INTERACTIVE FLAT PANEL   |
| FEC | FIRE EXTINGUISHER WITH CABINET AND BRACKET   |
| FE  | FIRE EXTINGUISHER WITH BRACKET   |
| FHC | FIRE HOSE CABINET  |
| HB  | HORIZONTAL BLINDS  |
| RS  | ROLLING WINDOW SHADES  |
| DS  | DOWNSPOUT  |

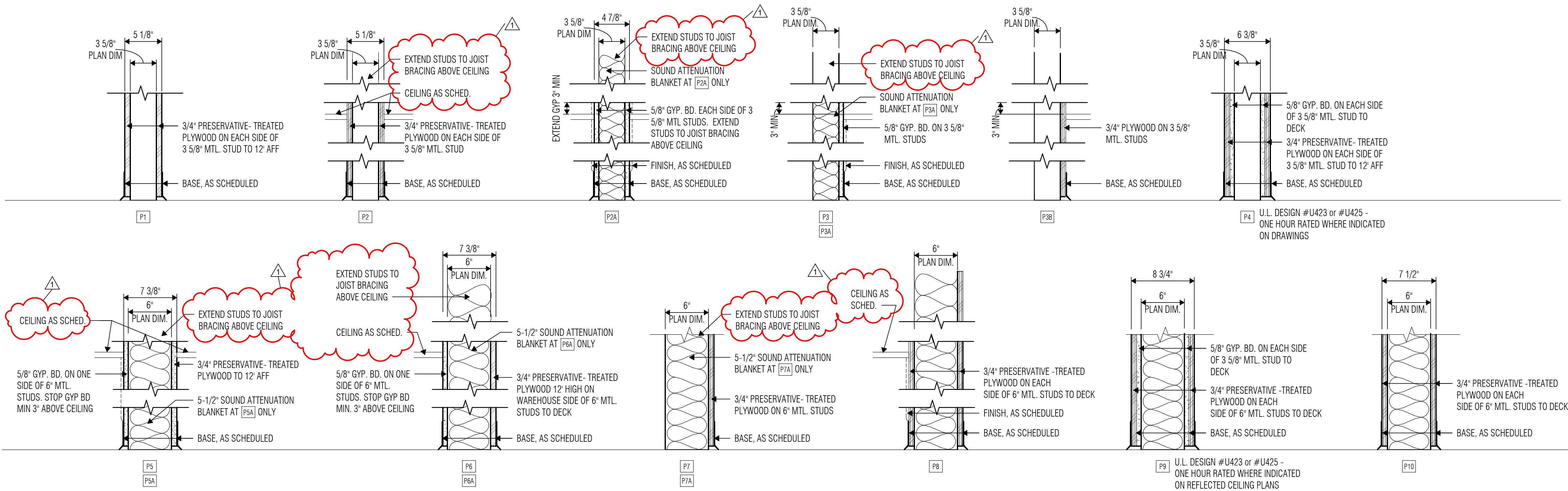


2 BOLLARD DETAIL AT EXISTING PAVING  
SCALE: 3/4" = 1'-0"



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





**PARTITION NOTES**

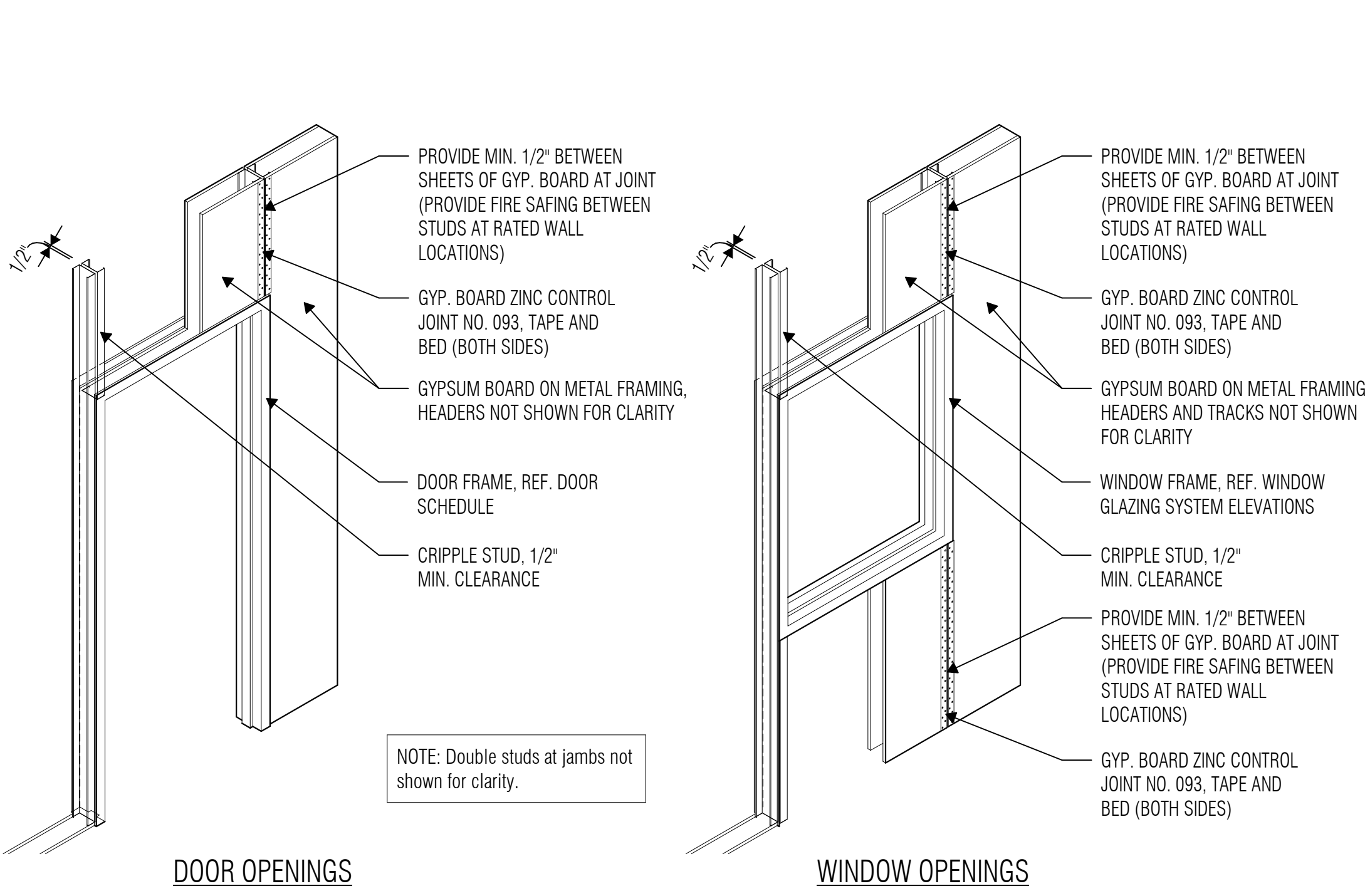
- Refer to Floor Plan Notes for additional metal stud requirements at Ceramic Tile, Plaster, Anchored Masonry or Stone Veneer, and Adhered Masonry or Stone Veneer.
- Refer to Sheet A2.21 for typical partition details.
- Refer to Life Safety sheets for location of fire rated partitions.
- Refer to Floor Plan Sheets for location of non-rated partitions that extend to the structural deck above.
- Provide firestopping as required to achieve the fire-resistive rating at all penetrations, gaps and other openings through or around rated floors, roofs, walls and partitions.
- At all rated and acoustical partitions that extend to structural deck above, seal to the floor below and to the structure above. Provide firestopping at rated partitions, and acoustical sealant at acoustical and sound conditioned other partitions.
- At all partitions that extend to structural deck above, provide gypsum board enclosure around beams, joists, ducts, etc. as required to maintain fire-resistive ratings and acoustical requirements.
- All Non Rated Partitions to extend to joist bracing above ceiling. Refer to Sheet A4.01.

**STUD PARTITION SIZING SCHEDULE**

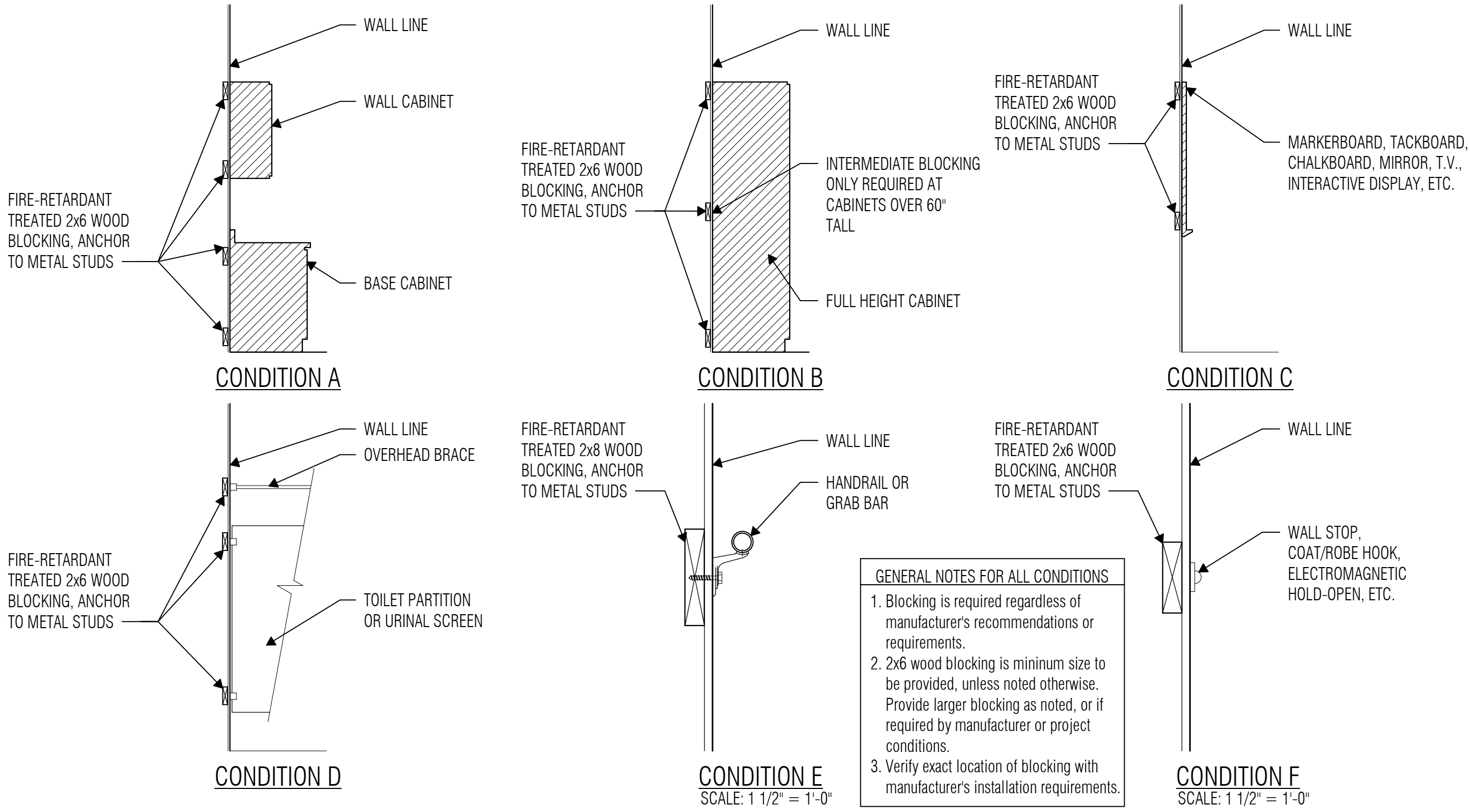
STUD DEPTH	STUD SPACING	STUD GAGE	EQ STUD	MAX LENGTH	MAX LENGTH (at Tile/Plaster)
3-5/8"	16" O.C	25 (18 mils)	25EQ	15'-6"	N/A
3-5/8"	16" O.C	20 (30 mils)	20EQ	16'-0"	14'-0"
6"	16" O.C	25 (18 mils)	25EQ	21'-6"	N/A
6"	16" O.C	20 (30 mils)	20EQ	22'-6"	19'-6"

**NOTES:**

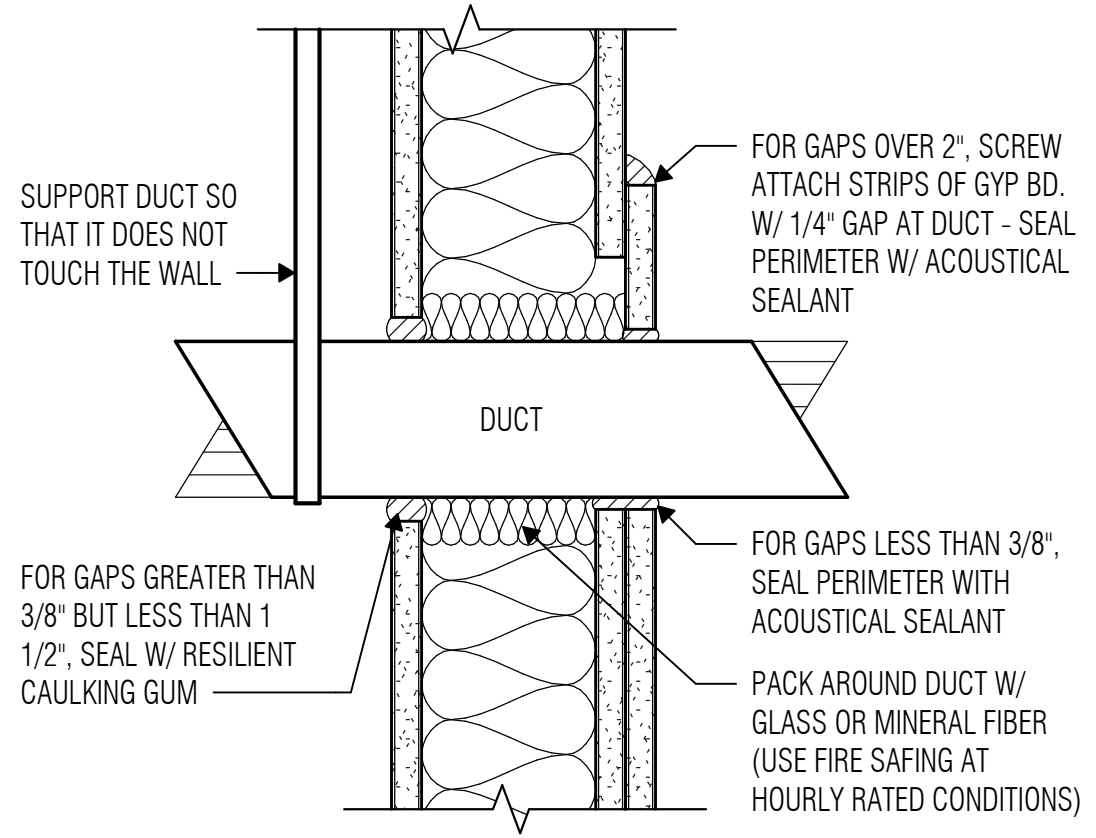
- All doors shall have a minimum of 20 gage framing where required by specifications.
- See Floor Plan Notes and Partition Notes for additional metal stud requirements at ceramic tile, plaster, anchored masonry/stone veneer, or adhered masonry/stone veneer.
- Max. Lengths assume both sides of studs braced full-height of partition.
- Max. Lengths are based on 5 psf lateral loading and L/240 deflection (L/360 at tile/plaster).
- Equivalent (EQ) studs are not allowable at abuse-resistant or impact-resistant gyp board. Provide true 20 gage studs with minimum 0.0312 inches design thickness at these locations.



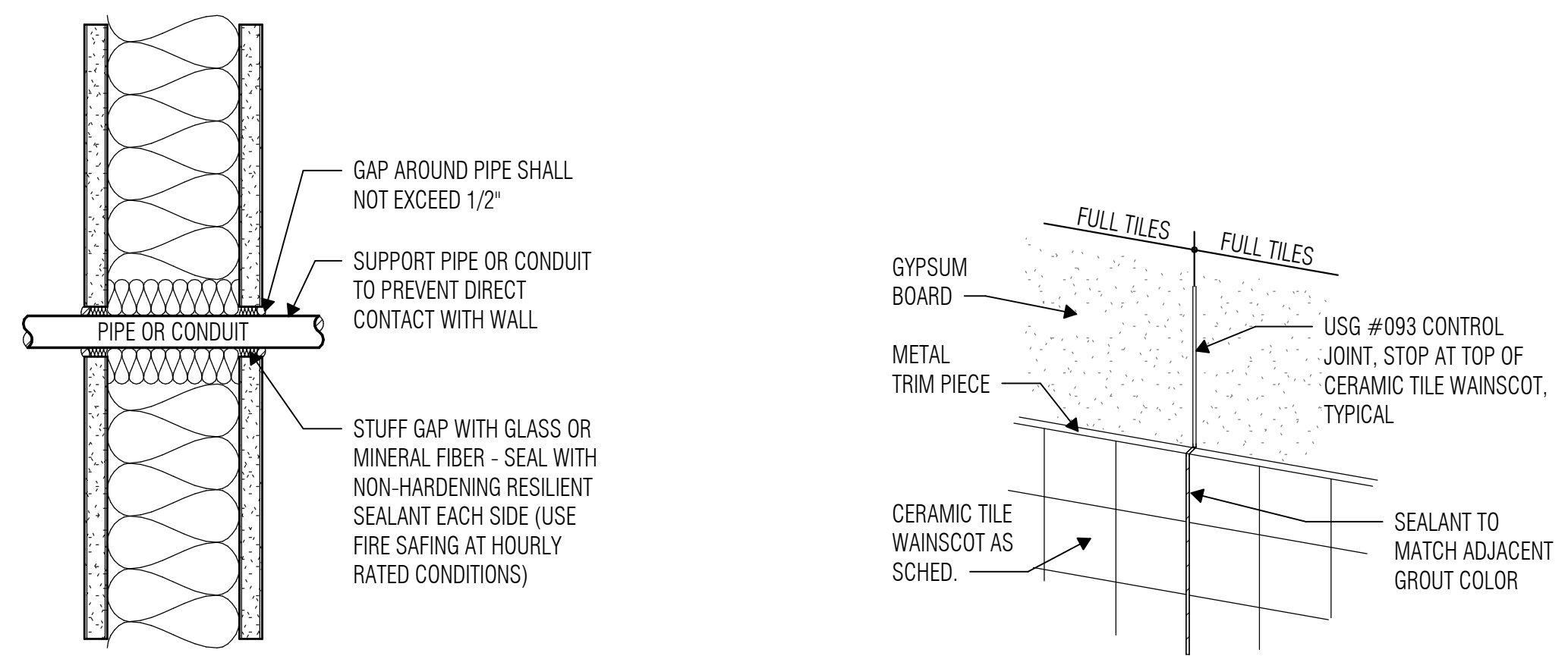
2 TYPICAL CONTROL JOINT DETAIL AT OPENINGS  
SCALE: 1/2" = 1'-0"



3 TYPICAL WOOD BLOCKING DETAILS  
SCALE: 3/8" = 1'-0"



4 PARTITION DETAIL  
SCALE: 3" = 1'-0"



5 PARTITION DETAIL  
SCALE: 3" = 1'-0"

6 DETAIL OF GYP CONTROL JOINT  
SCALE: 1 1/2" = 1'-0"



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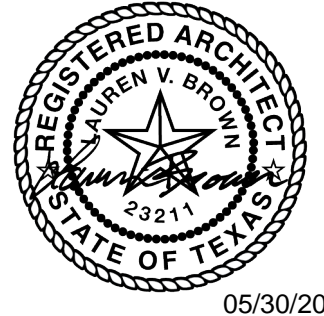
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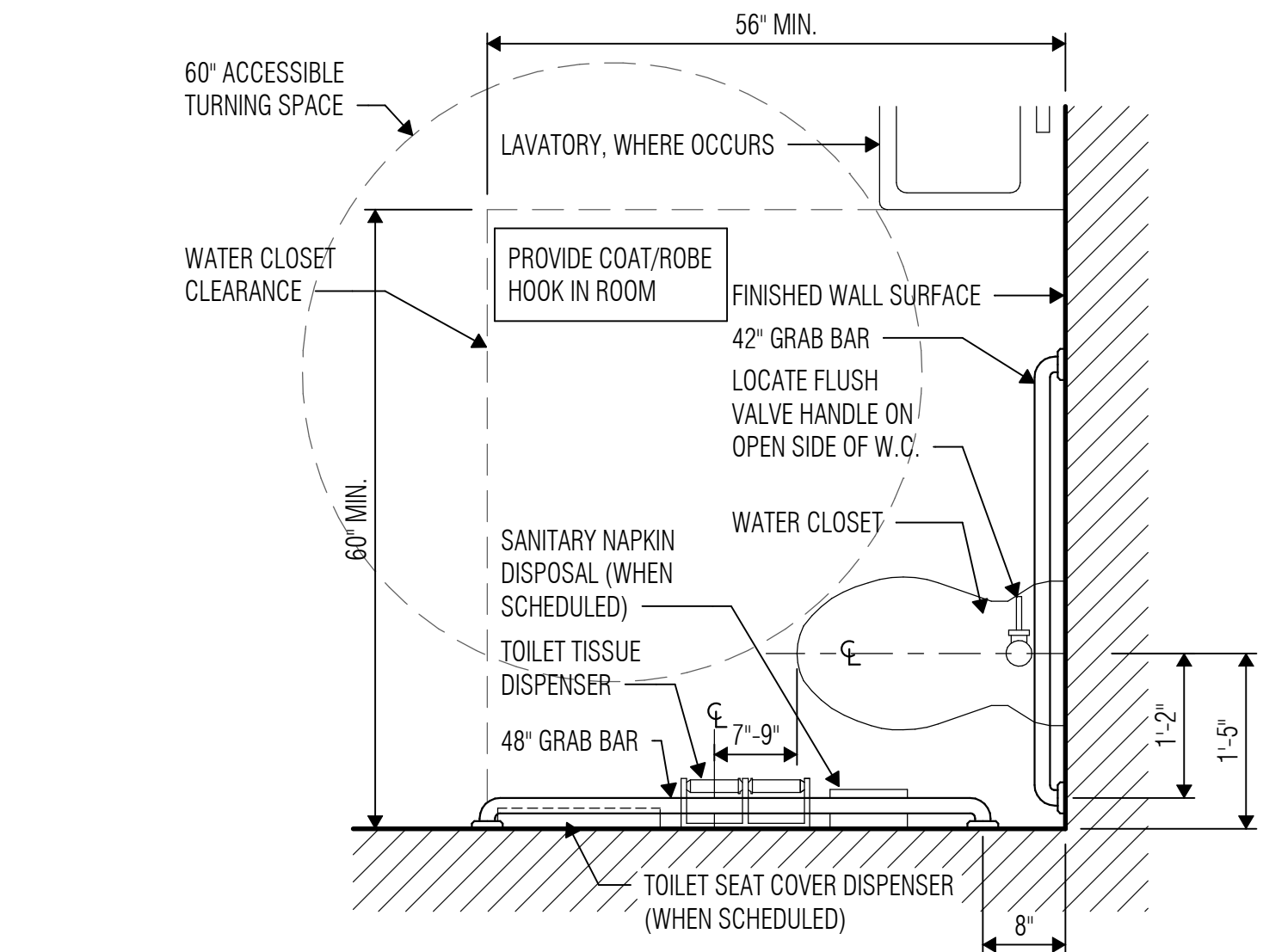
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Quality Control

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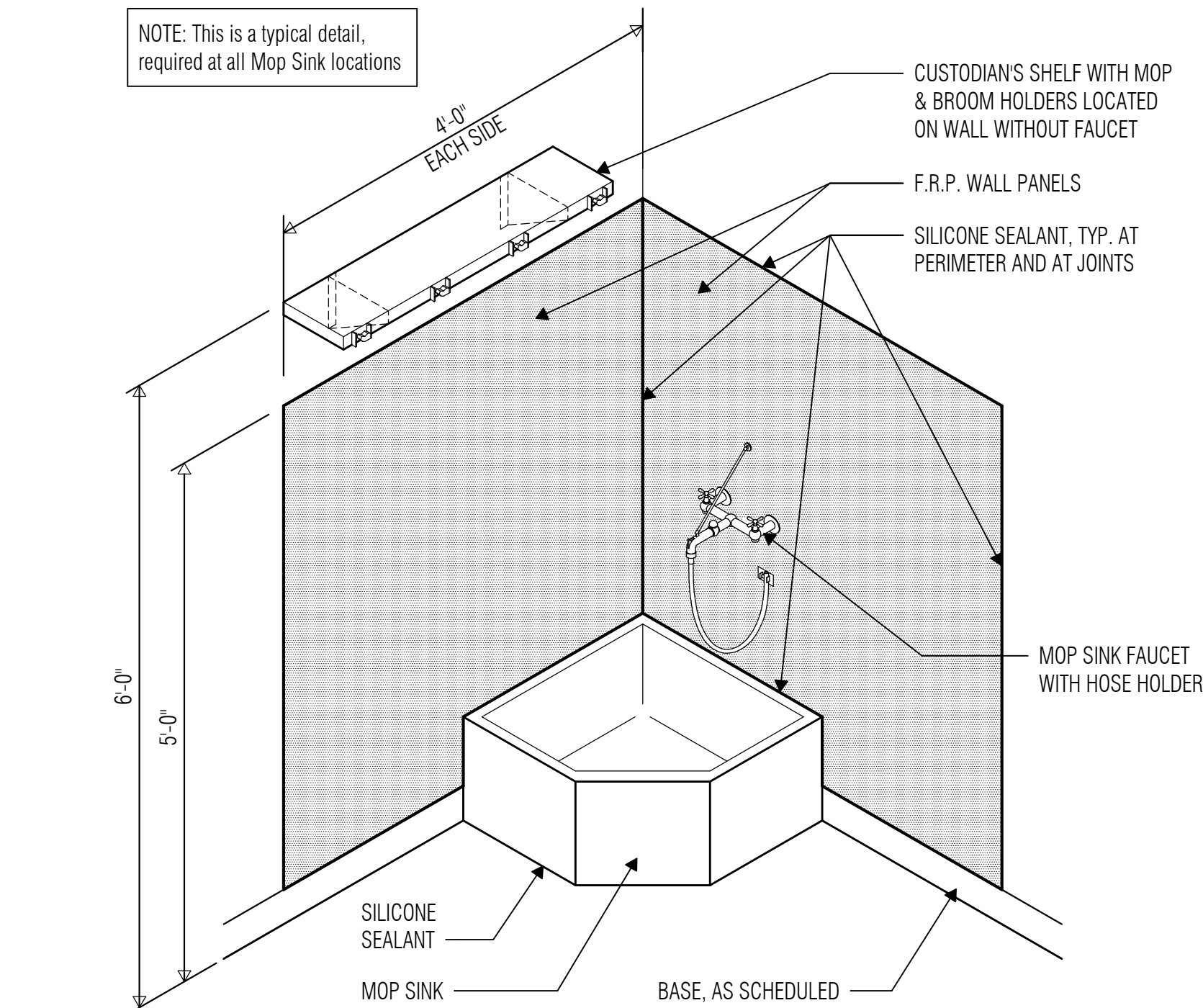
**SHEET TITLE**  
PARTITION TYPES

**SHEET NO.**  
A2.21



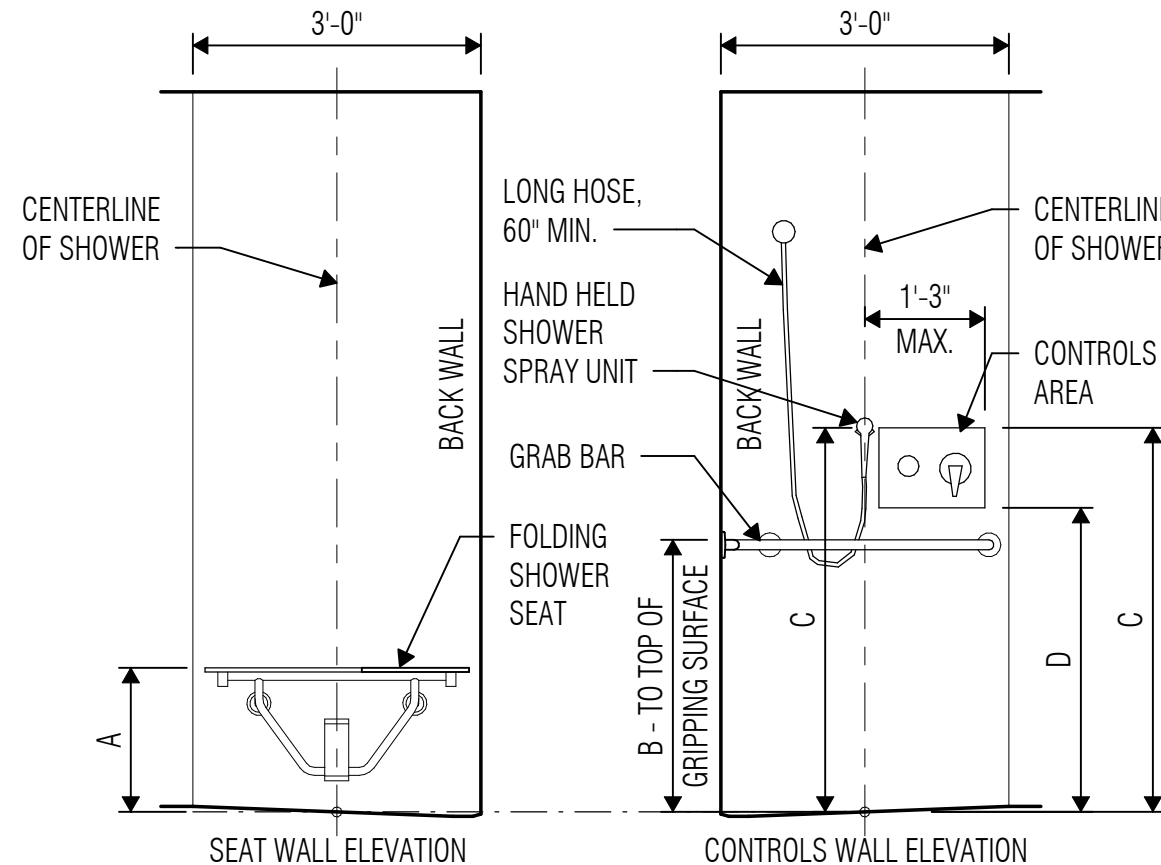


1 ACCESSIBLE TOILET ROOM  
SCALE: 3/4" = 1'-0"

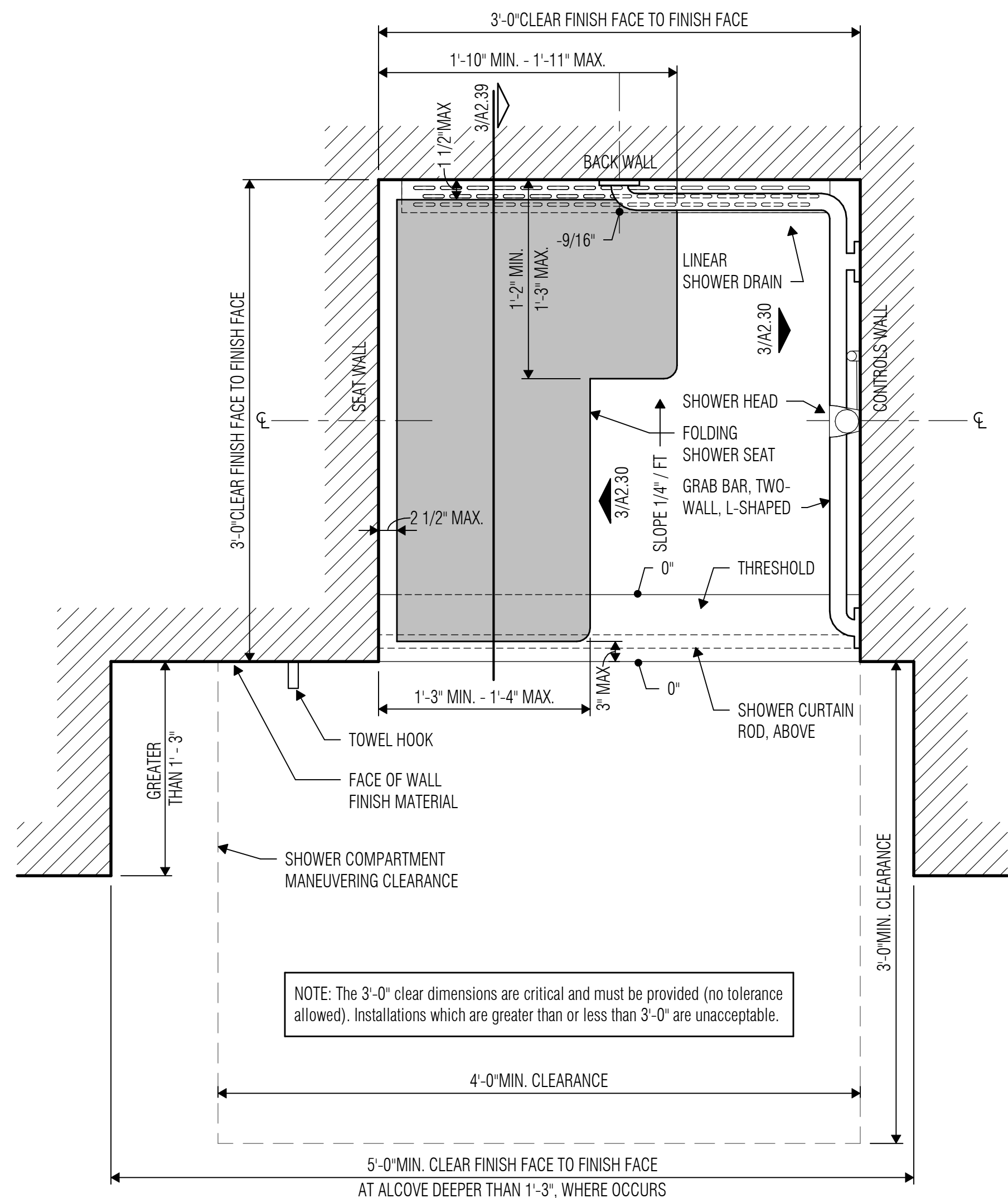


2 CUSTODIAN ROOM WAINSCOT & ACCESSORIES  
SCALE: 3/4" = 1'-0"

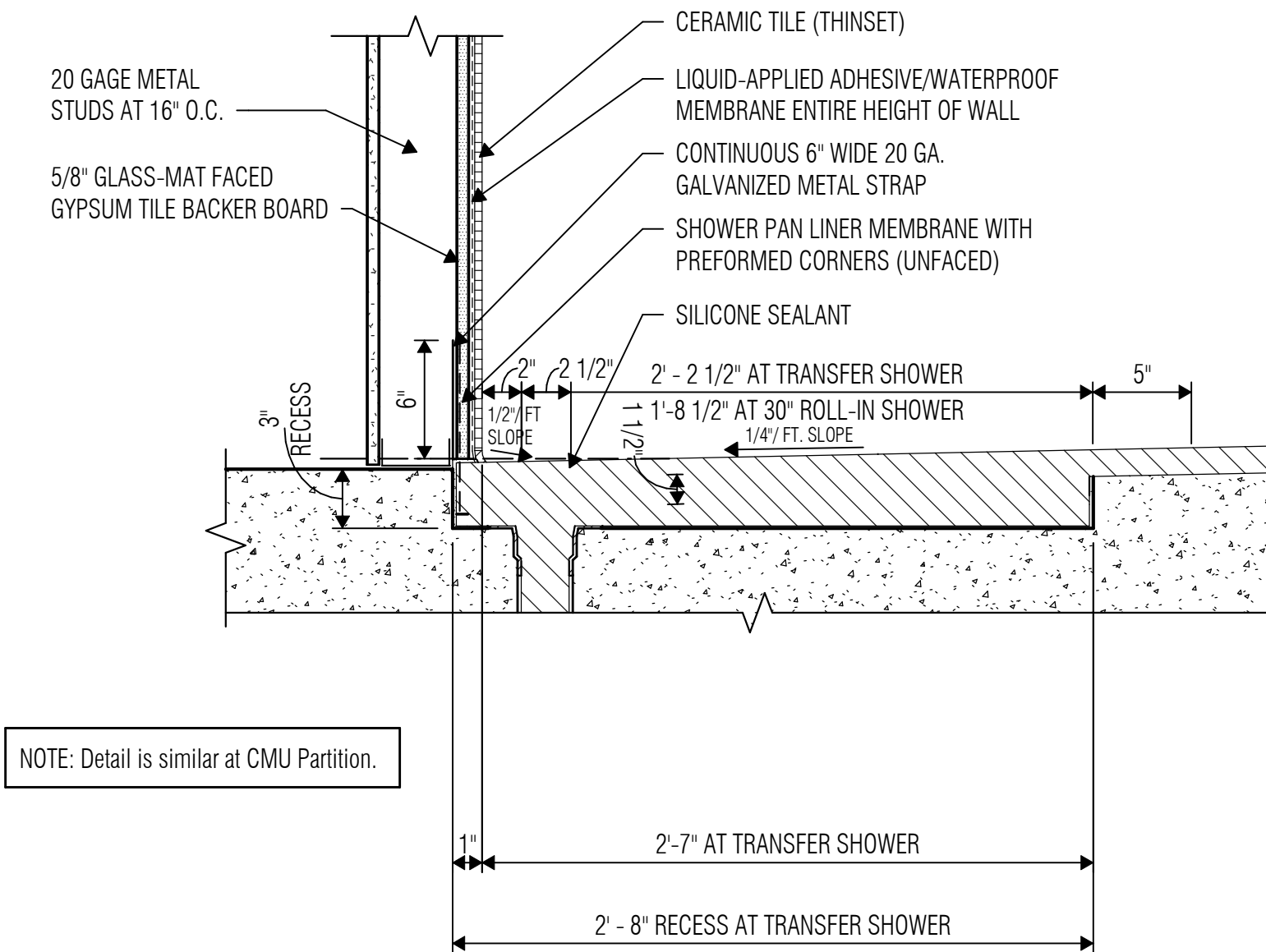
	HEIGHT ABOVE SHOWER FLOOR			
	A	B	C	D
ADULT	18"	34"	48"	38"
CHILD	18"	34"	44"	38"



3 ELEV. OF ACCESSIBLE SHOWER COMPARTMENT  
SCALE: 1/2" = 1'-0"



4 ROUGH-IN DETAIL FOR ACCESSIBLE SHOWER COMPARTMENT  
SCALE: 1 1/2" = 1'-0"



6 ACCESSIBLE SHOWER PAN DETAIL FOR FUTURE SHOWER  
SCALE: 1 1/2" = 1'-0"

TOILET ACCESSORY LEGEND							
MARK	TOILET ACCESSORY ITEM	SIZE	STANDARD MOUNTING HEIGHT (Adult & Child)	ACCESSIBLE MOUNTING HEIGHT (Adult)	ACCESSIBLE MOUNTING HEIGHT (Child)	O.F.C.I.	O.F.O.I.
A2	TOILET TISSUE DISPENSER, MULTI-ROLL		MFR.	REF: A0.31	REF: A0.31	X	
B1	GRAB BAR (SIDE WALL AT WATER CLOSET)	48"		35 1/2" TO TOP	26 1/2" TO TOP		
B2	GRAB BAR (BACK WALL AT WATER CLOSET)	42"		35 1/2" TO TOP	26 1/2" TO TOP		
C1	MIRROR, FRAMED (ABOVE LAVS AND COUNTERS)	24" x 36"	5" ABV LAV	40" TO BOT.R.S.	38" TO BOT.R.S.		6
E2	PAPER TOWEL DISPENSER (SURFACE-MOUNTED)		MATCH ACCESS	47" TO CTRL.	43" TO CTRL.	X	
F1	SANITARY NAPKIN DISPOSAL (SURFACE-MOUNTED)		MFR.	25" TO TOP		X	
G1	SOAP DISPENSER, WALL-MOUNTED		MATCH ACCESS	47" TO CTRL.	43" TO CTRL.	X	
J1	MOP & BROOM HOLDER/ CUSTODIAN UTILITY SHELF	36"	PER DETAIL				
J2	MOP & BROOM HOLDER	36"	PER DETAIL				
K1	COAT/TOWEL/ROBE HOOK		MFR.	48"	44"		
S2	WASTE RECEPTACLE (RECESSED)	12 GALLON	42" TO TOP	42" TO TOP	42" TO TOP		

### TOILET & SHOWER NOTES

1. Install all accessible plumbing fixtures and toilet accessories in accordance with the Texas Accessibility Standards, and as indicated on this sheet. Install all non-accessible plumbing fixtures and toilet accessories at manufacturers' recommended mounting heights, unless noted otherwise.
2. At accessible toilet rooms and compartments, install water closets with the centerline of fixture at 1'-5" off the side wall finish material. At both ambulatory-accessible and non-accessible toilet compartments, install water closets at the center of the compartment.
3. Install hand-operated flush controls for wheelchair accessible water closets on the open side of the water closet. Flush control assembly shall not extend above grab bar, and top of flush control assembly shall be held a minimum of 1'-1/2" below the grab bar.

TOILET PLUMBING FIXTURE LEGEND			
MARK	PLUMBING FIXTURE ITEM	MOUNTING HEIGHT (A.F.F.)	NOTES
LA	LAVATORY- ADULT ACCESSIBLE	34" TO RIM	4
WA	WATER CLOSET - ADULT ACCESSIBLE	18" TOP OF SEAT	3

NOTES:

1. Note that the architectural marks in this legend may differ from the designations in the MEP Plumbing Legend.
2. Reference MEP Plumbing drawings and legends for additional fixtures.
3. Mounting height at floor-mounted fixture might vary slightly based on actual product selected.
4. Mounting height is based on maximum allowable and cannot be exceeded.
5. The TAS required knee-space of 27" is not provided using this mounting height; ensure spout is located 3'-1/2" max. from front edge/bumper as required for parallel approach per the TAS.
6. For standard urinals at child-only facilities, provide 20" to rim.

See INDEX Sheet for additional abbreviations



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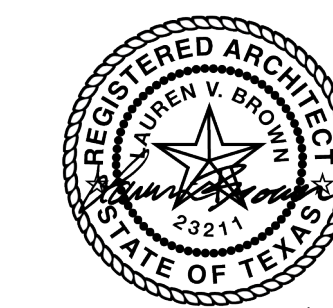
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05/30/2025

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### REVISIONS

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Director  
LB  
Designer  
LH  
Proj. Arch.  
LH

Drawn By  
MO  
Quality Control

### PROJECT NO.

24-103.00

### SHEET TITLE

TYPICAL TOILET ROOM  
DETAILS, TOILET  
ACCESSORY LEGEND

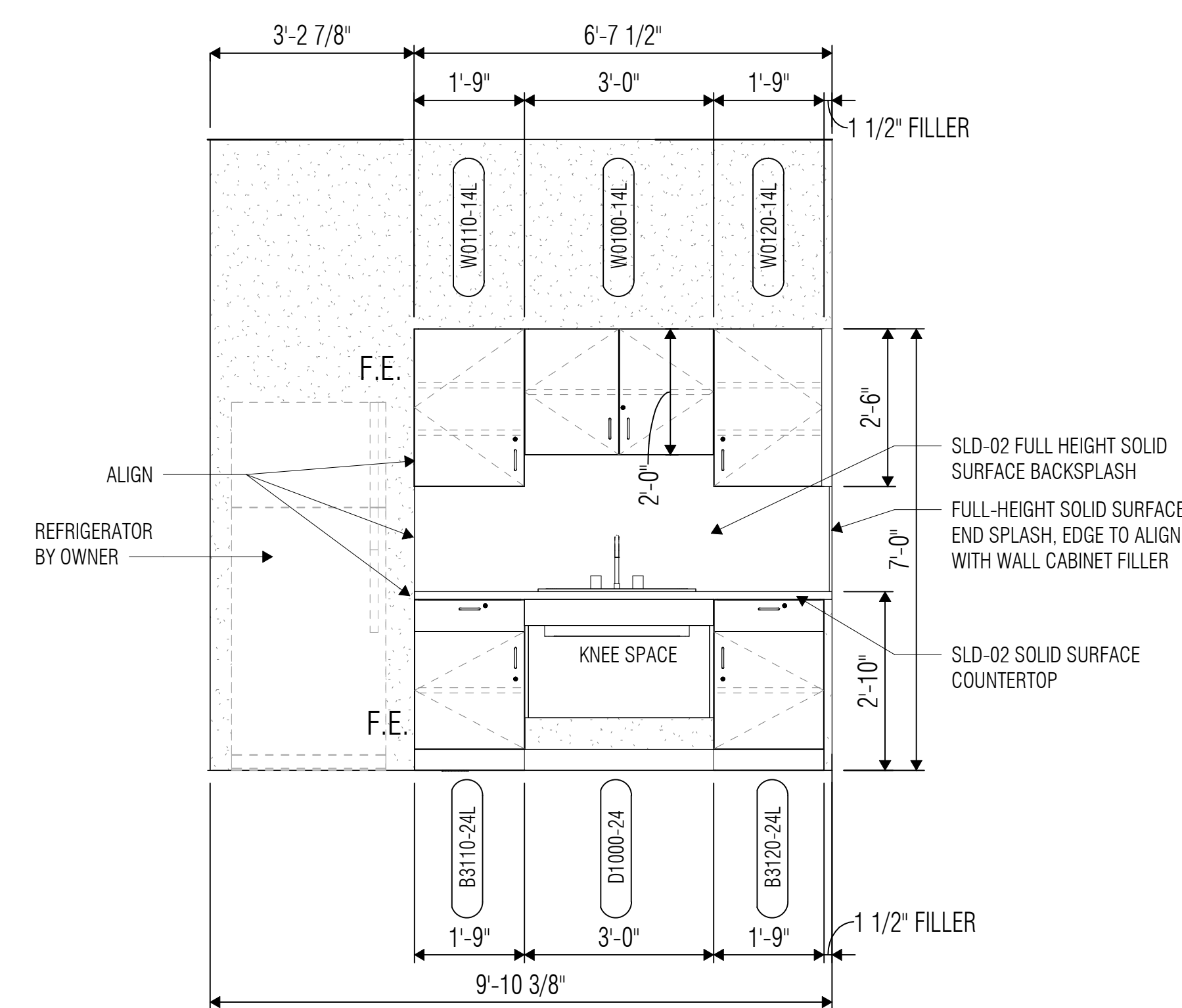
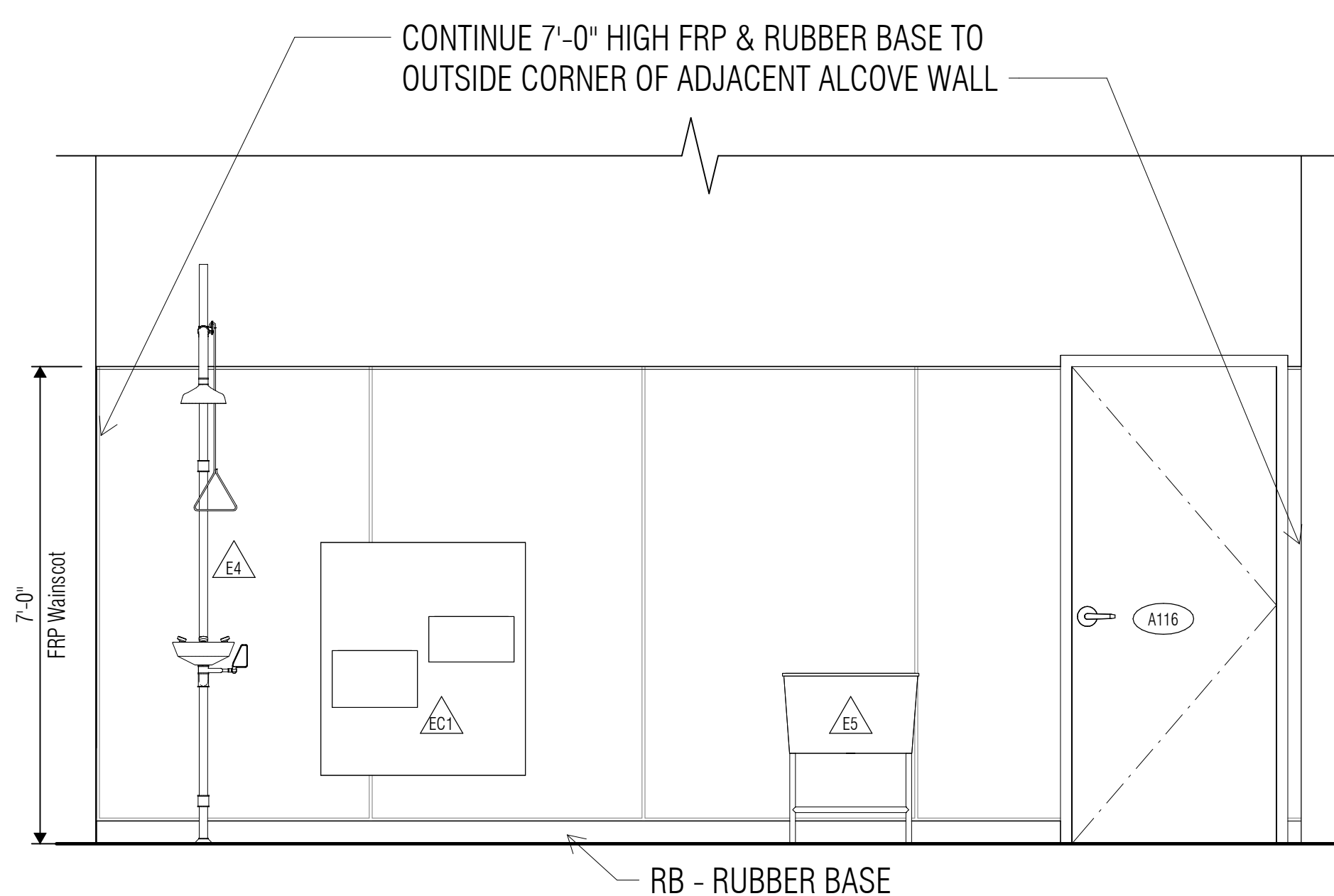
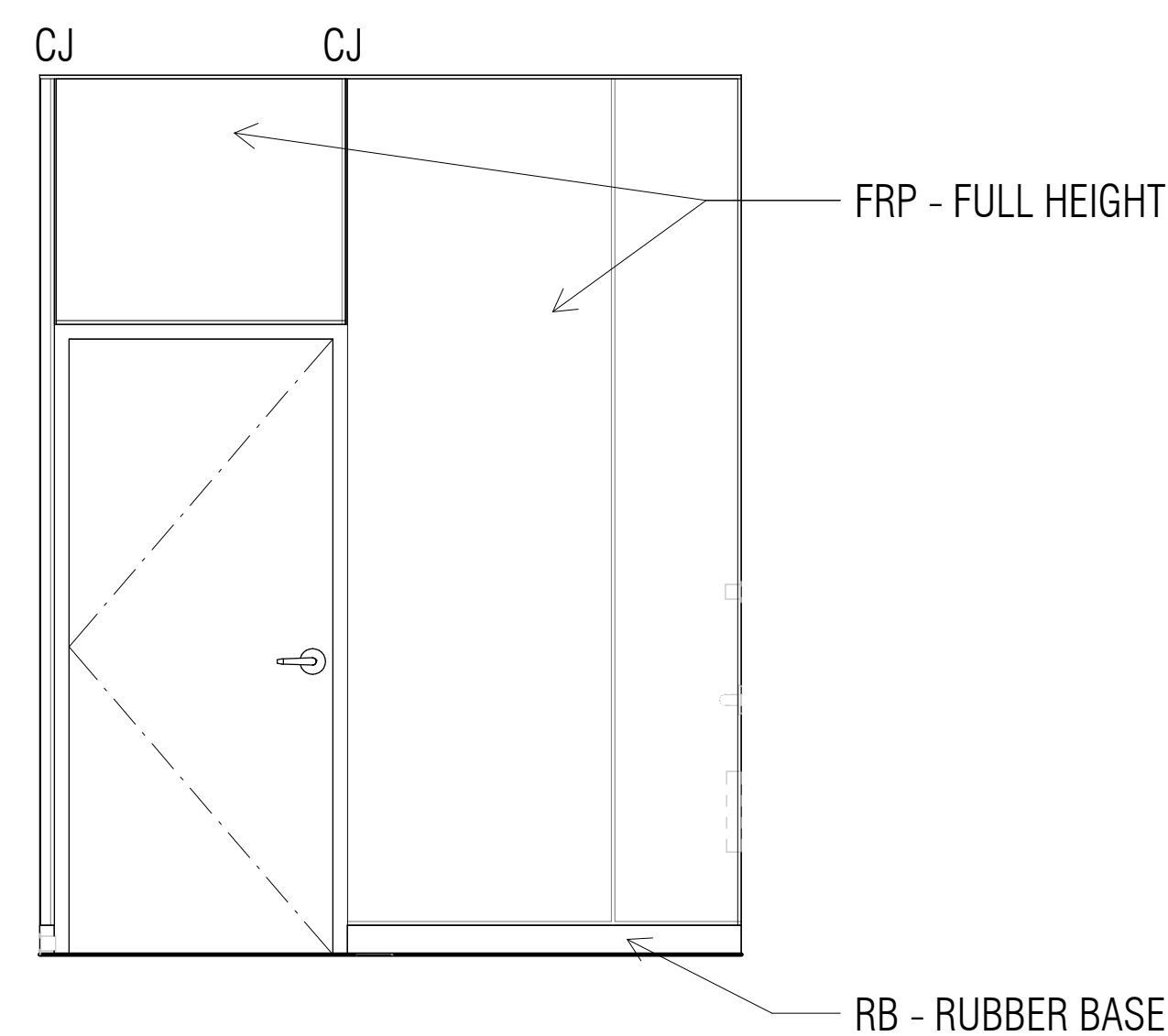
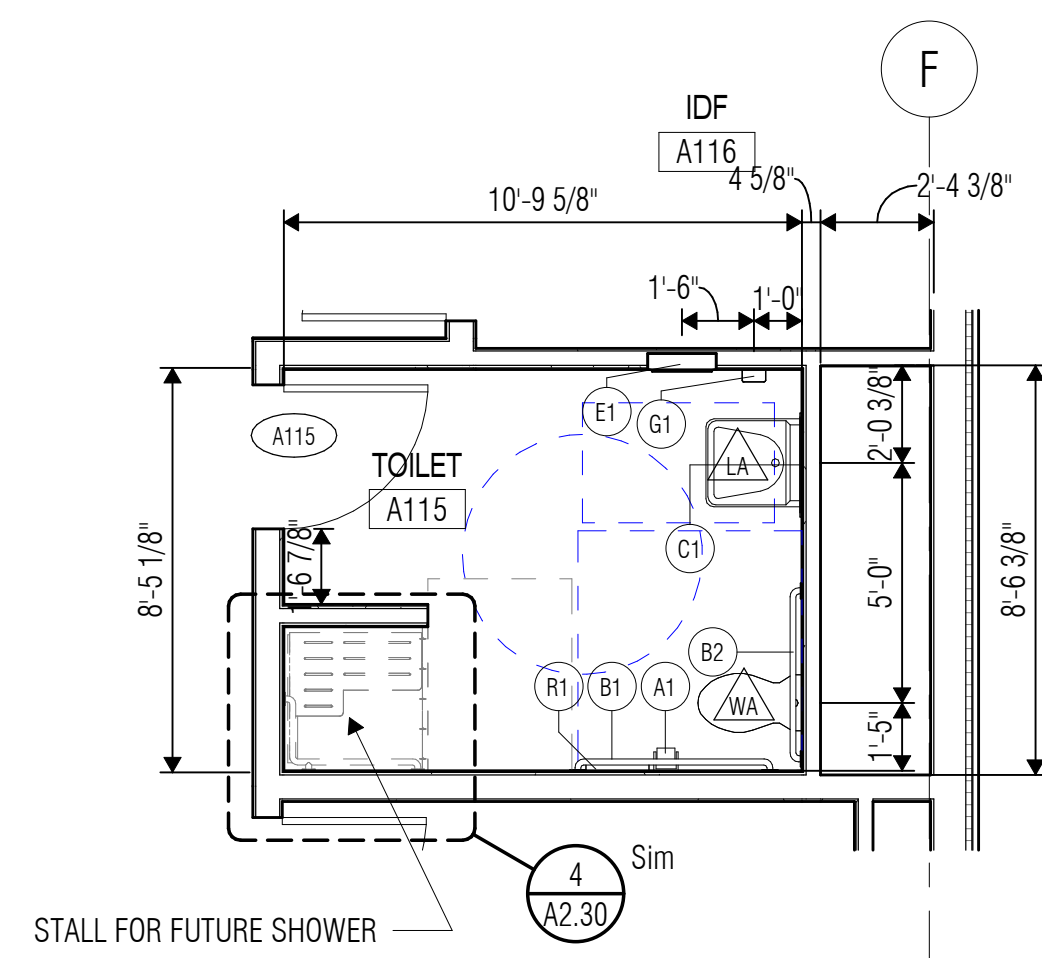
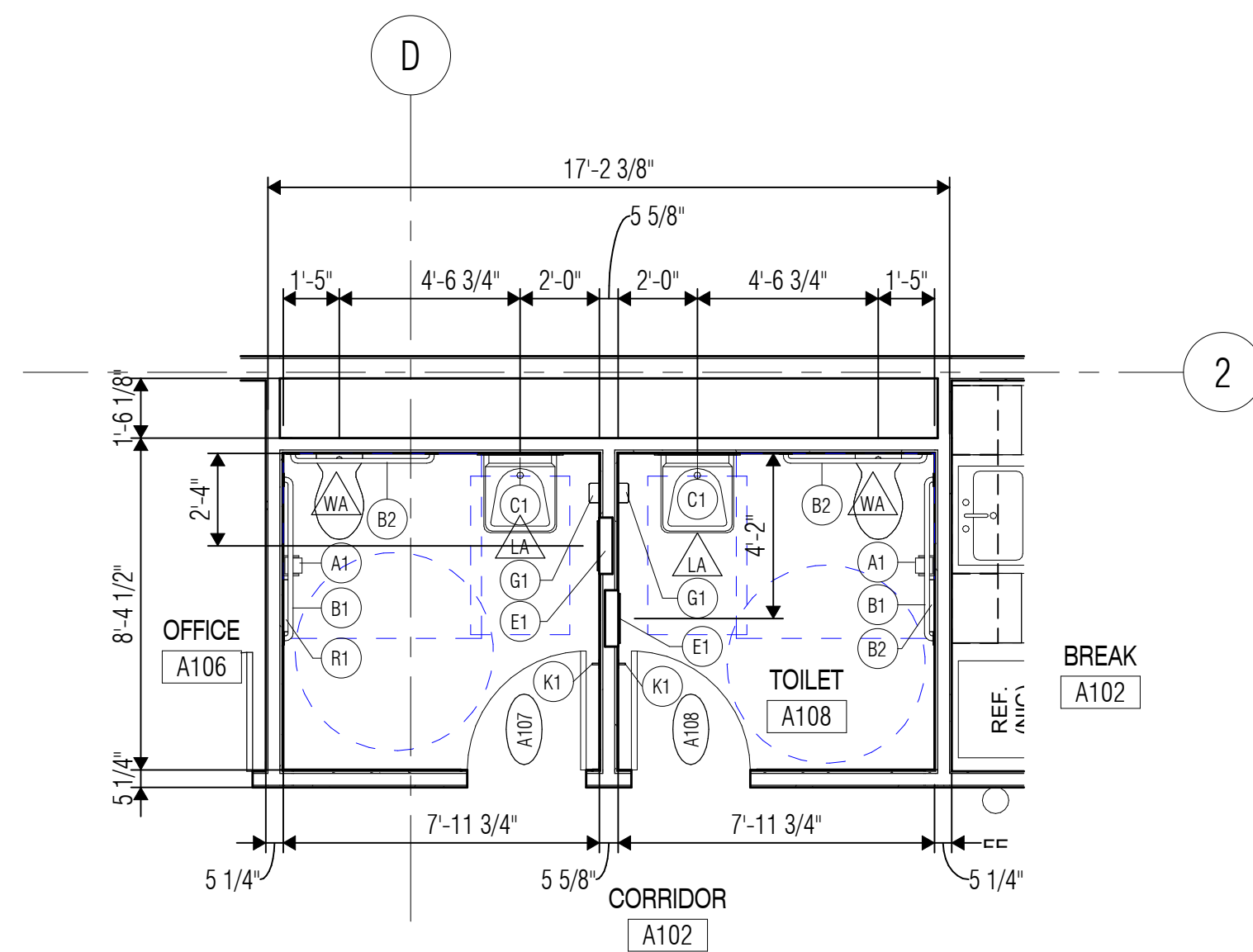
### SHEET NO.

A2.30

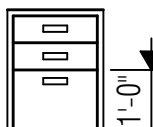
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WHITE SETTLEMENT, TX

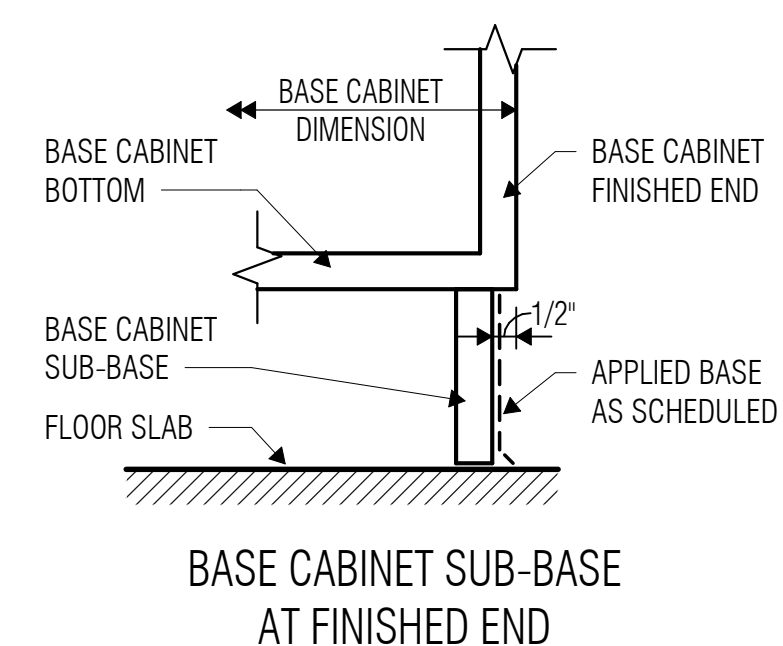
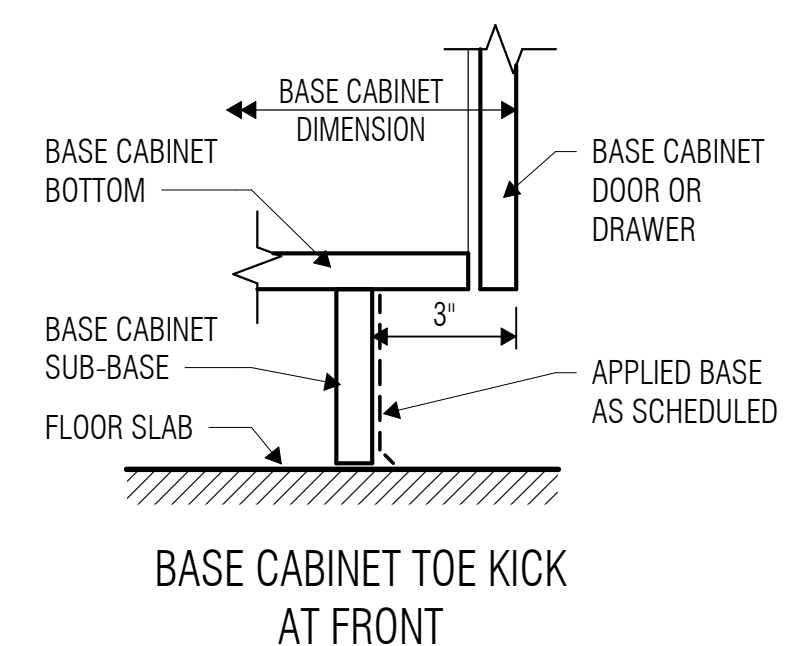
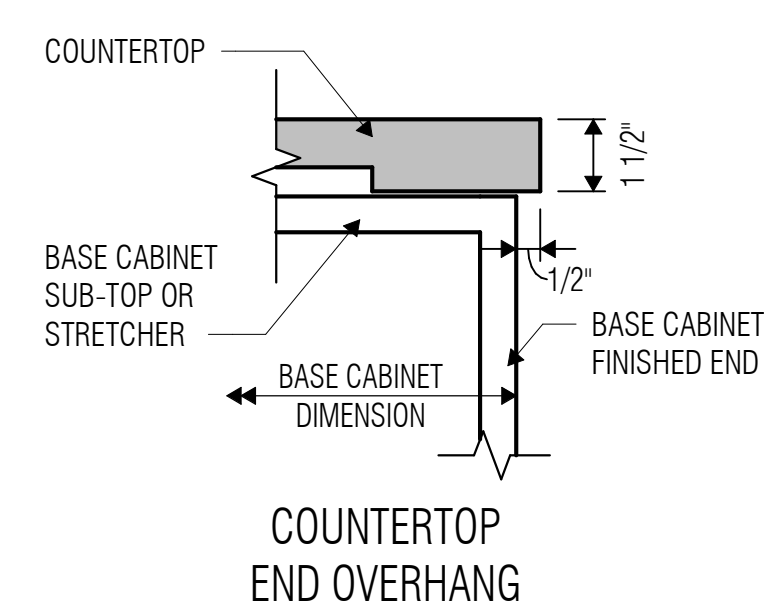
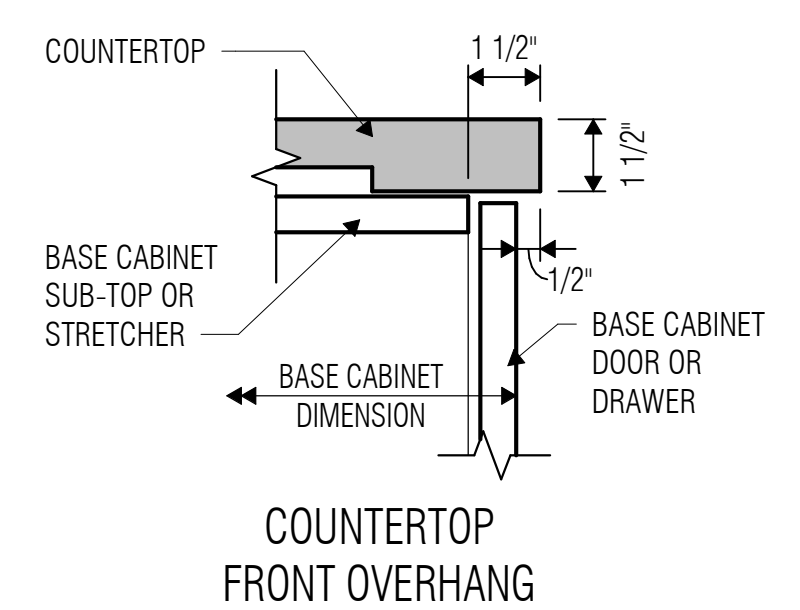
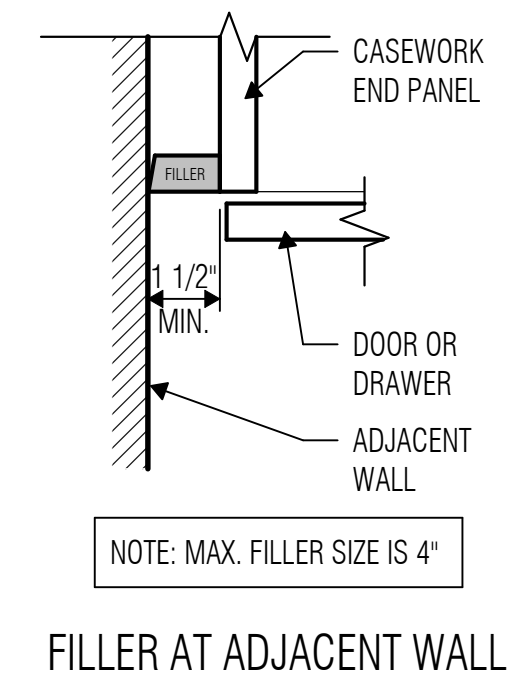
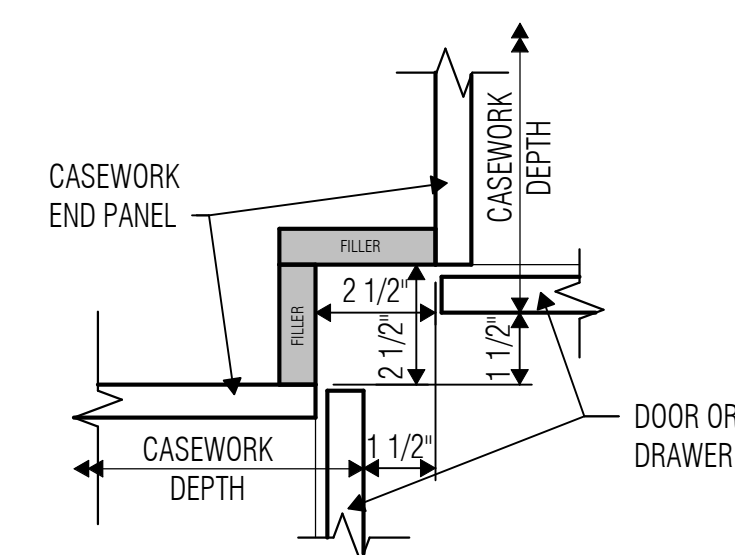
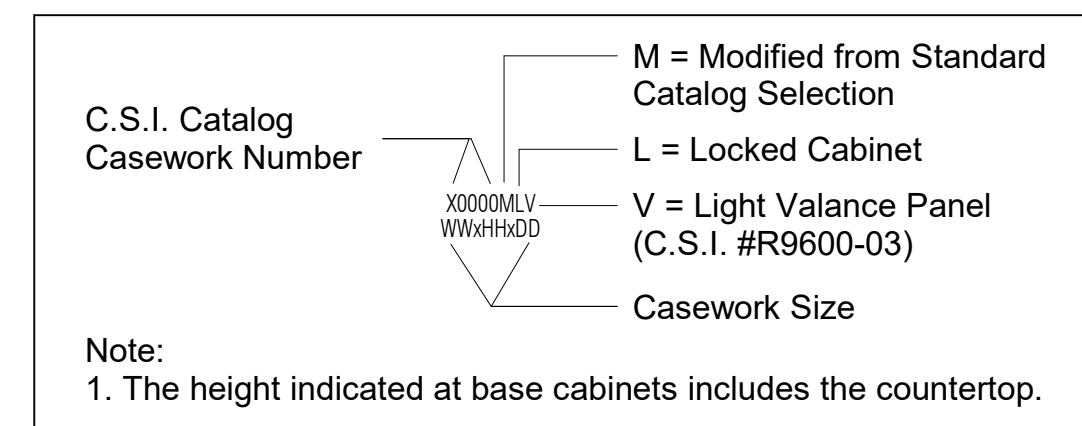
NEW MAINTENANCE & OPERATIONS WAREHOUSE





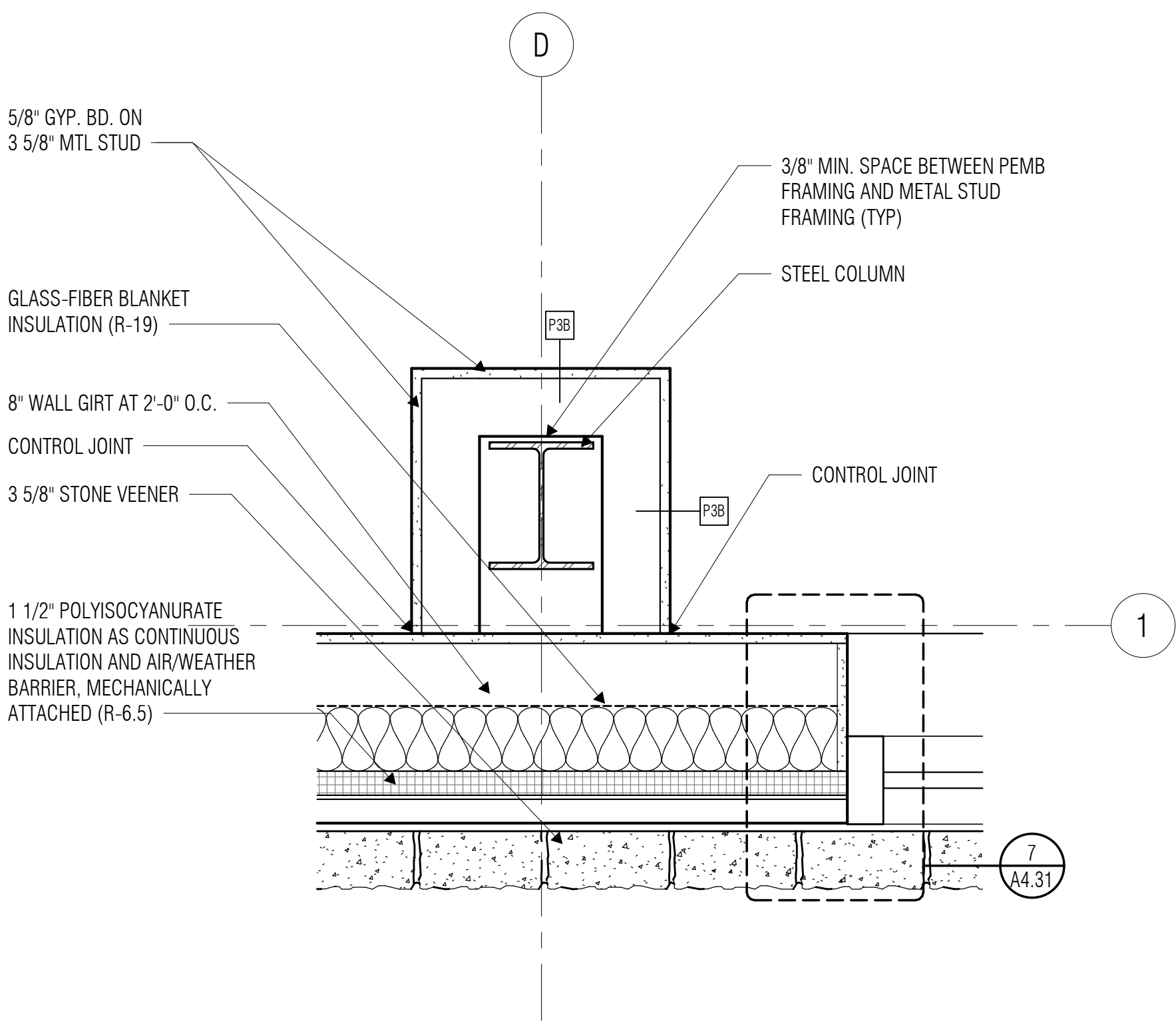
- ## ENLARGED FLOOR PLAN NOTES
1. Dimensions on Enlarged Floor Plans are to face of wall finish material unless otherwise.
  2. Dashed lines shown on Enlarged Floor Plans indicate accessibility requirements and are indicated for information only.
  3. Install all accessible plumbing fixtures and toilet accessories in accordance with the Texas Accessibility Standards and as indicated on Sheets A0 31, Sheet A2 30, and Sheet A2 31.
  4. Install all non-accessible plumbing fixtures and toilet accessories at manufacturers' recommended mounting heights, unless noted otherwise.
  5. Refer to Toilet Accessory Legend on Sheet A2 30 for Toilet Accessory information and mounting heights.
  6. At accessible toilet compartments, install water closets with the centerline of fixture at 1'-5" off the side wall finish material. At both ambulatory-accessible and non-accessible toilet compartments, install water closets at the centerline of the compartment.
  7. Install hand-operated flush controls for wheelchair accessible water closets on the open side of the water closet. Flush control assembly shall not extend above grab bar, and top of flush control assembly shall be held a minimum of 1'-1/2" below the grab bar.
  8. Provide pipe protection for all exposed piping at all accessible and non-accessible lavatories.
  9. Floor drains are indicated for location purposes only. Refer to Plumbing Drawings for floor drain sizes and plumbing information.

- ## CASEWORK NOTES
1. Casework must meet criteria set forth in Americans with Disabilities Act and Texas Accessibility Standards.
  2. All casework model numbers are based on Case Systems, Inc. Refer to casework elevations for height and width of each unit.
  3. Coordinate locations of electrical and/or plumbing within casework and millwork. Notify Architect of any conflicts prior to installation.
  4. Coordinate all column locations prior to installation of casework.
  5. Refer to Floor Plan Notes for blocking requirements at stud partitions.
  6. All adjustable shelves longer than 2'-3", and shelves of any length at open shelving units, must be 1" thick.
  7. Provide finished surface on all exposed surfaces.
  8. Plastic Laminate on all casework shall be PL-U, N.O.
  9. Provide fillers and finished end panels (F.E.) as required. Refer to Detail 6/A2.31 for filler requirements.
  10. Provide locks on all doors and drawers as indicated.
  11. All counters shall have 4" high splashes, U.N.O.
  12. At countertop locations, no joints in plastic laminate may occur over base spaces, or within 24" of edge of sinks and lavatories.
  13. Casework cabinet doors and drawers shall be flush overlay.
  14. Base cabinets should not extend to floor. Sub-base may be separate and recessed 1/2" at sides of cabinet to receive rubber base.
  15. Provide 1-1/2" thick divider panel between knee spaces and adjacent spaces (e.g. dishwasher openings, other knee spaces, etc.).
  16. At front of casework, countertops shall extend 1/2" over base cabinet divider (approx. 1/2" to 1/2" over base cabinet body). At ends of casework, countertops shall extend 1/2" over base cabinet body. Refer to Detail 6/A2.31
  17. Provide custom height at all full-size drawers to be a minimum of 1'-0" deep. Provide locks at all full-size drawers.
- 

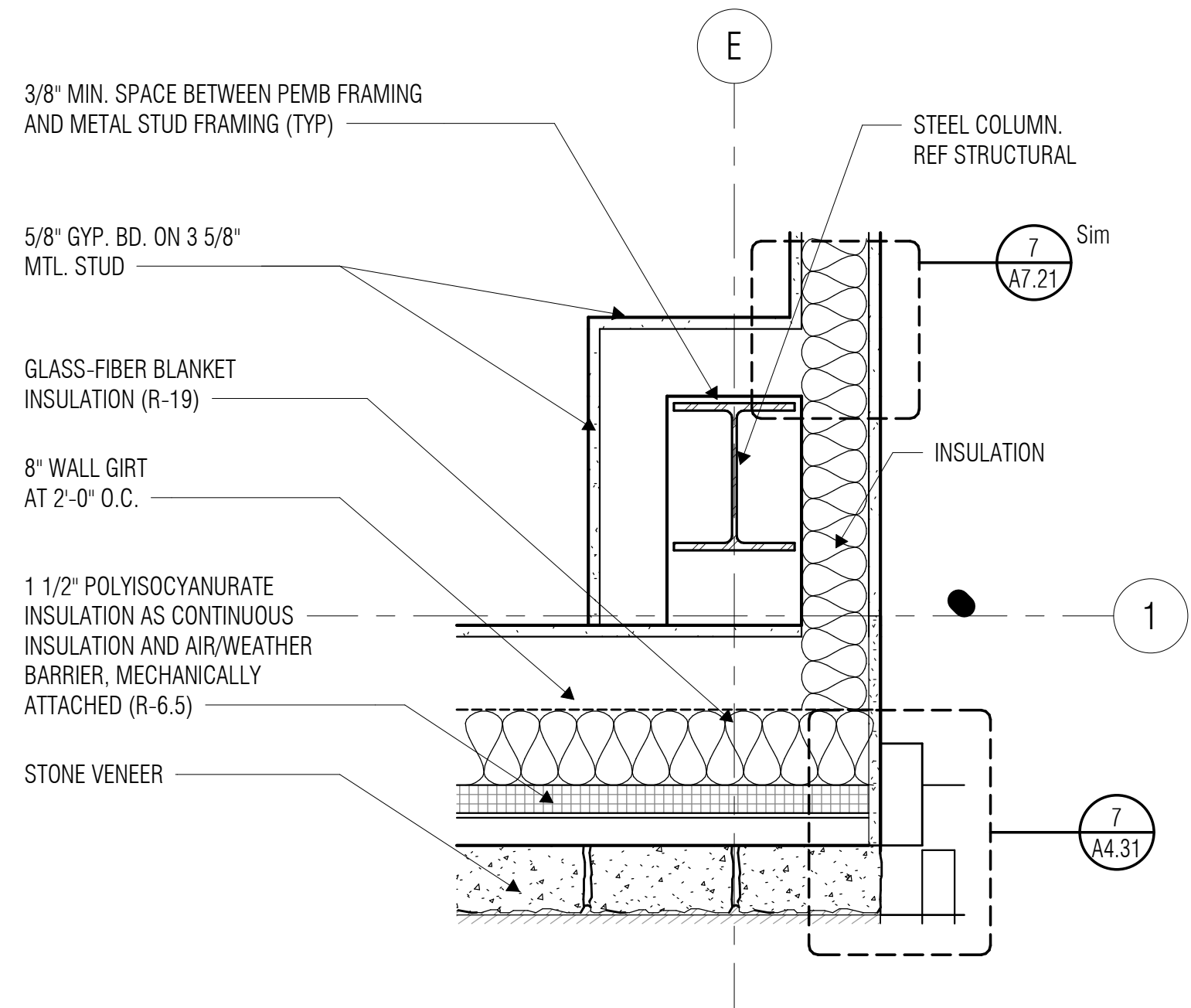


- 6 TYPICAL CASEWORK DETAILS  
SCALE: 3" = 1'-0"





**1 COLUMN DETAIL**  
SCALE: 1 1/2" = 1'-0"



**2 COLUMN DETAIL**  
SCALE: 1 1/2" = 1'-0"



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Director	Drawn By
LB	MO
Designer	Quality Control
Proj. Arch.	
LH	

PROJECT NO.

24-103.00

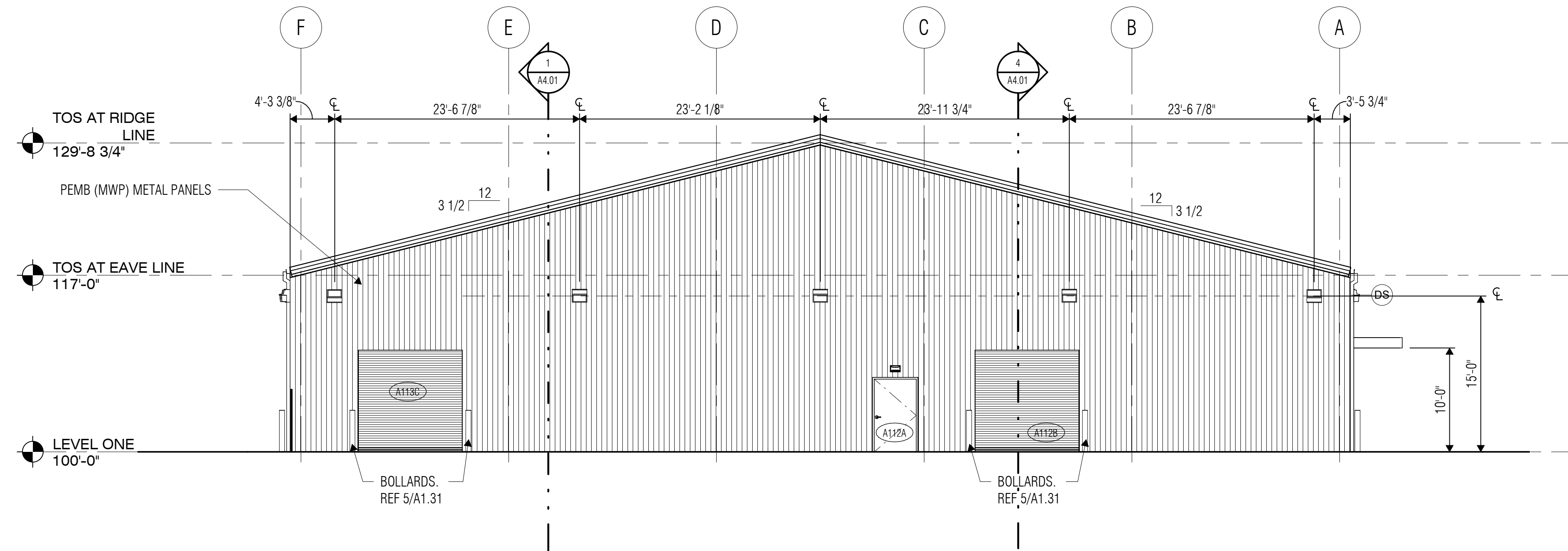
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PLAN DETAILS

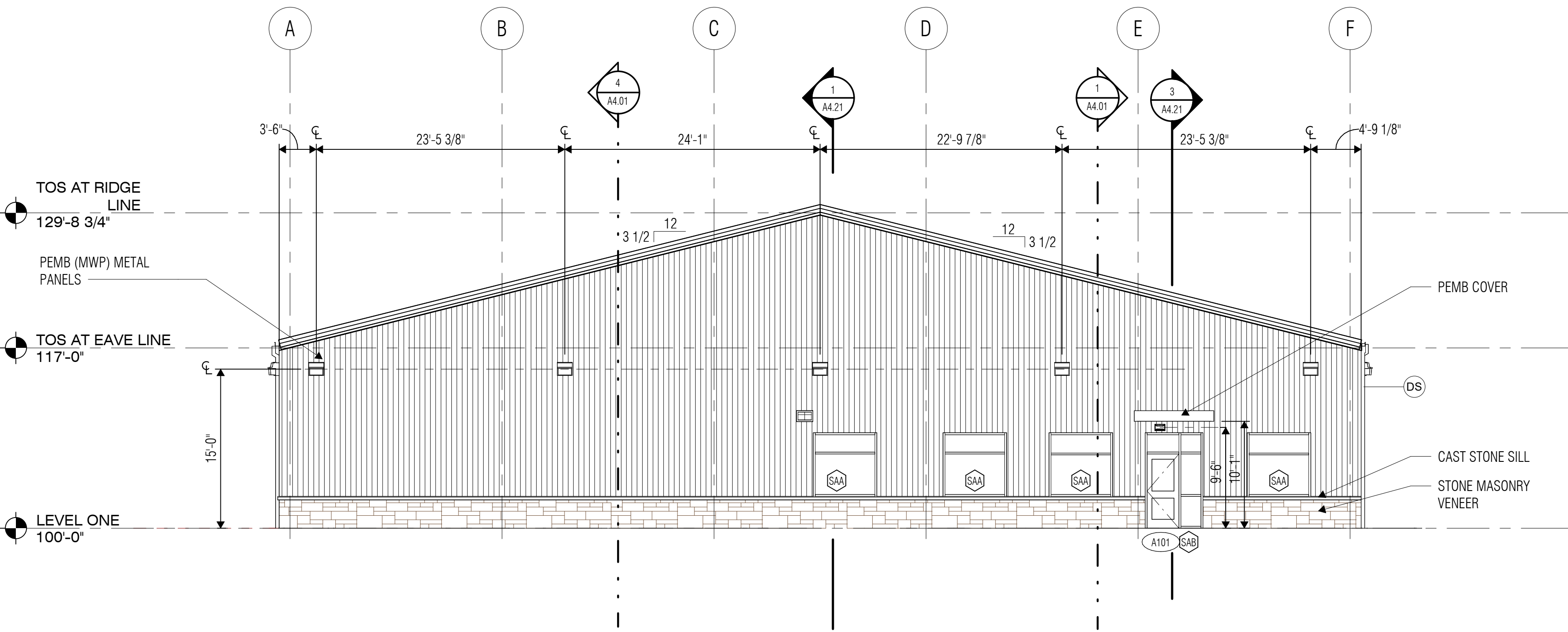
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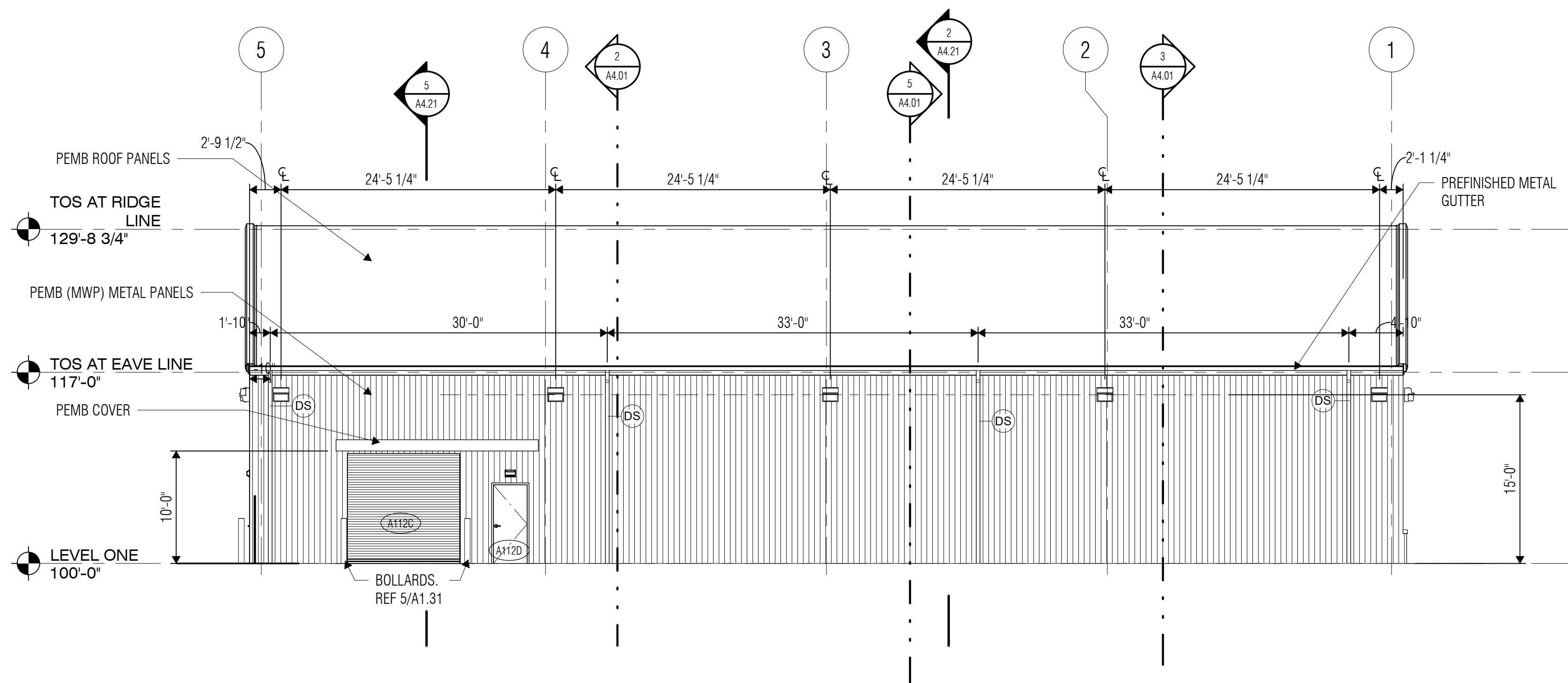




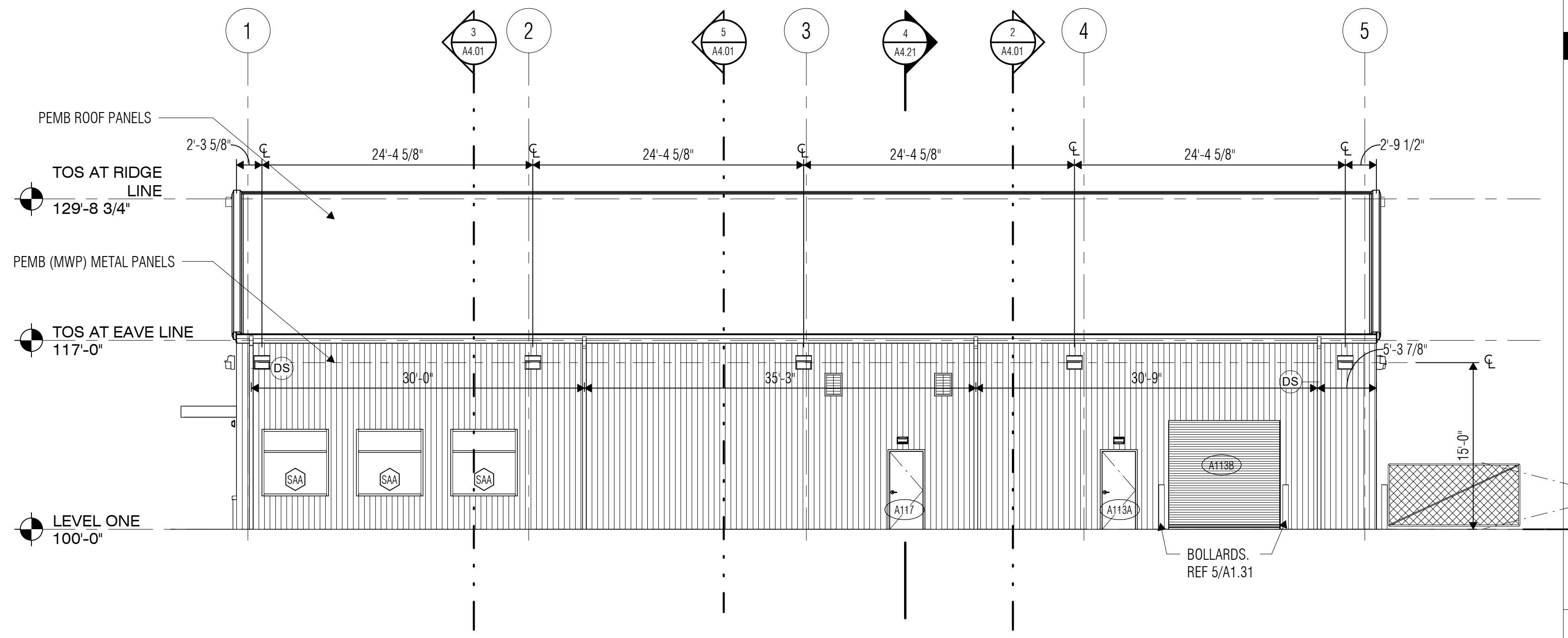
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SCALE: 1/8" = 1'-0"



2 BUILDING ELEVATION - WEST  
SCALE: 1/8" = 1'-0"



4 BUILDING ELEVATION - NORTH  
SCALE: 1/8" = 1'-0"



3 BUILDING ELEVATION - SOUTH  
SCALE: 1/8" = 1'-0"

#### EXTERIOR ELEVATION NOTES

1. Refer to Sheet 2/A2.21 for Typical Control Joint and Building Expansion Joint Details.
2. Based on the applicable design criteria, submit the proposed pattern of control joints in masonry veneer, CMU and stucco/cement plaster to the Architect for review and approval prior to construction.
3. Verify mounting heights of all Electrical and Mechanical items on the exterior of the building prior to construction, whether specifically indicated on the Exterior Elevations or not.
4. Install cast stone in accordance with the recommendations of the Cast Stone Institute, unless specifically noted or detailed otherwise.
5. Terminate recessed and projected masonry veneer courses at 4" from intersecting window frames, door frames, sloping roofs, etc., unless noted otherwise.

#### EXTERIOR ELEVATION LEGEND

- DS DOWNSPOUT  
CJ CONTROL JOINT, REF. 2 & 10/A2.21  
1T ALUMINUM STOREFRONT, REF. SHEET A7.21



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Drawn By MO  
Quality Control

#### PROJECT NO.

24-103.00

#### SHEET TITLE

EXTERIOR ELEVATIONS

#### SHEET NO.

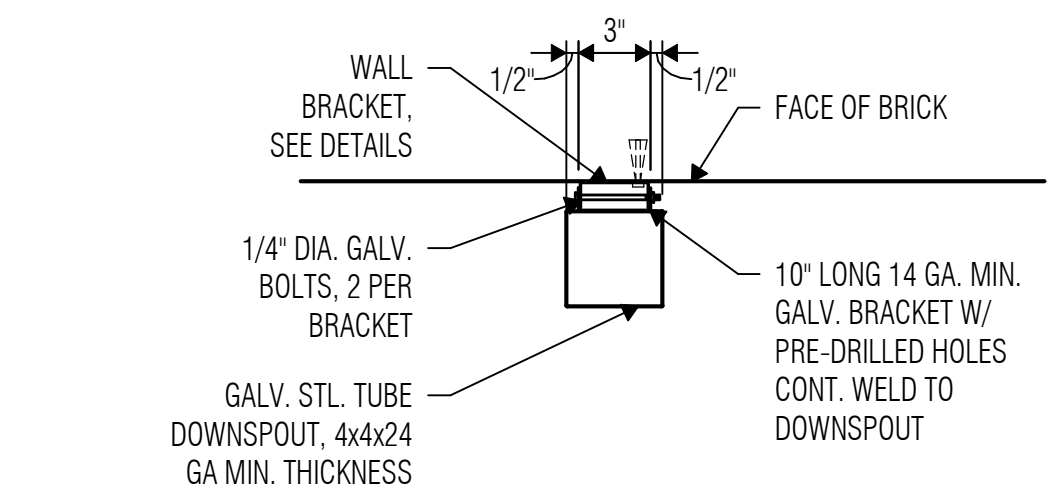
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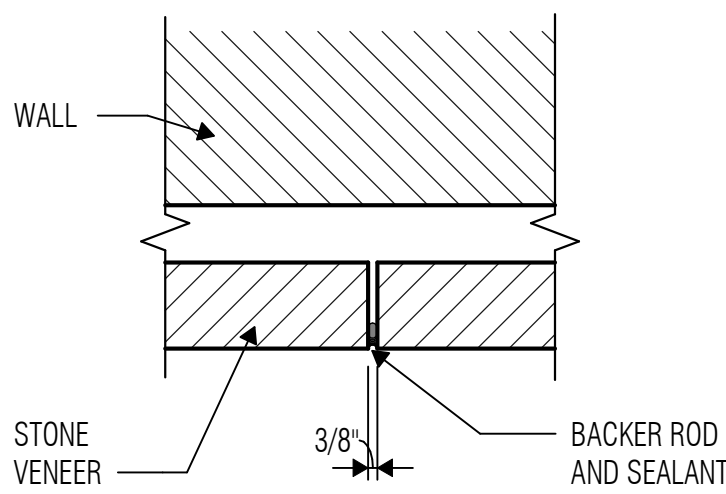
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WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE

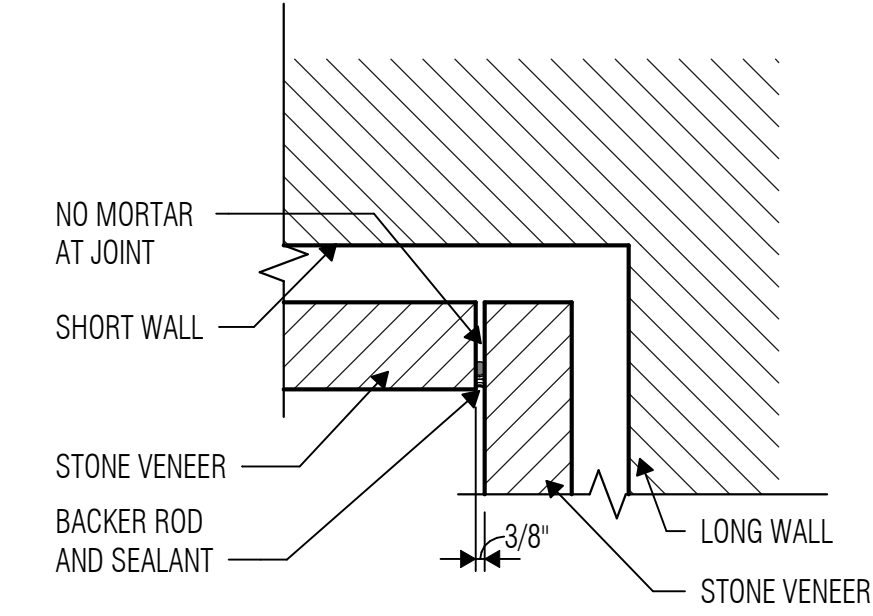




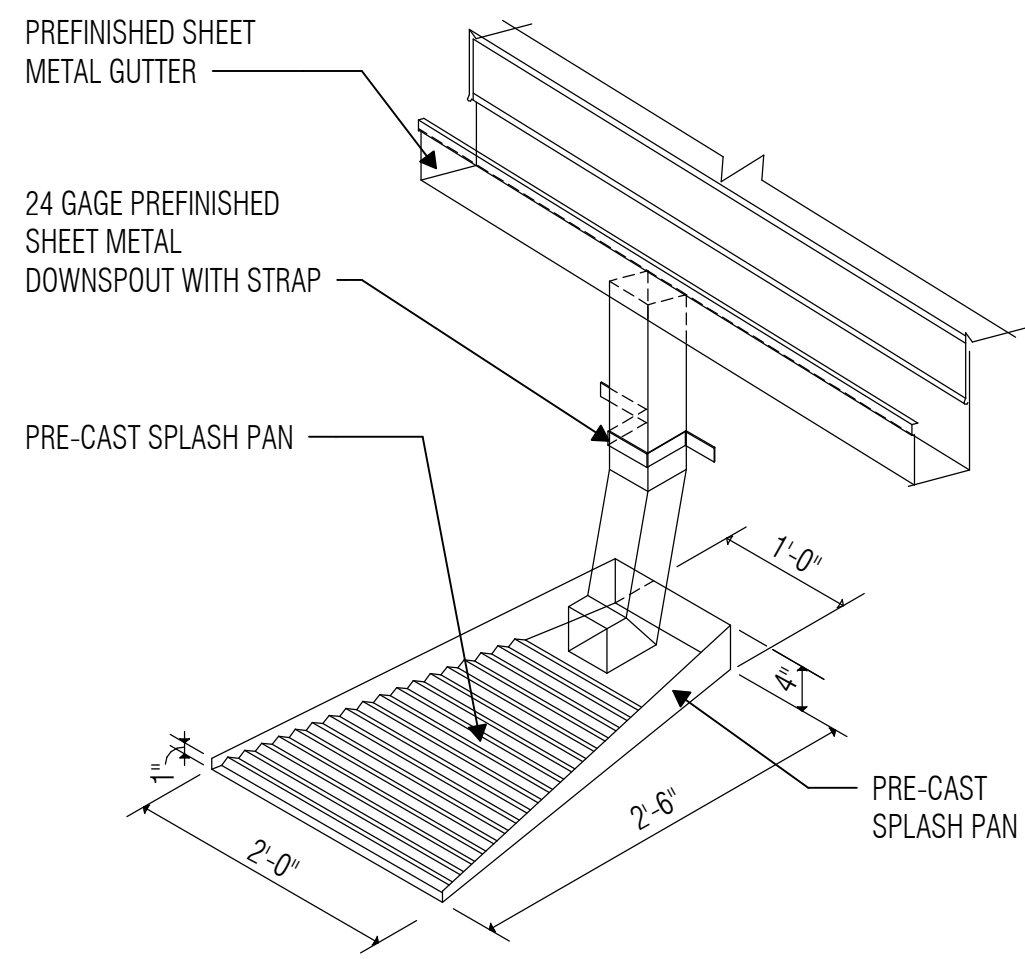
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SCALE: 1 1/2" = 1'-0"



2 STONE VENEER CONTROL JOINT  
SCALE: 1 1/2" = 1'-0"



3 STONE VENEER CONTROL JOINT INSIDE CORNER  
SCALE: 1 1/2" = 1'-0"



4 DOWNSPOUT & SPLASH PAN at ROOF  
SCALE: 1 1/2" = 1'-0"



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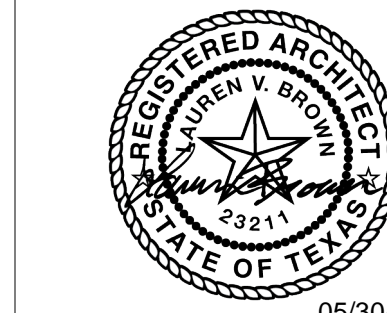
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SHEET TITLE

EXTERIOR ELEVATION  
DETAILS

SHEET NO.

A3.11

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1 Addendum 01	05/23/2025

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Designer  
Proj. Arch.  
LH

Drawn By  
MO  
Quality Control

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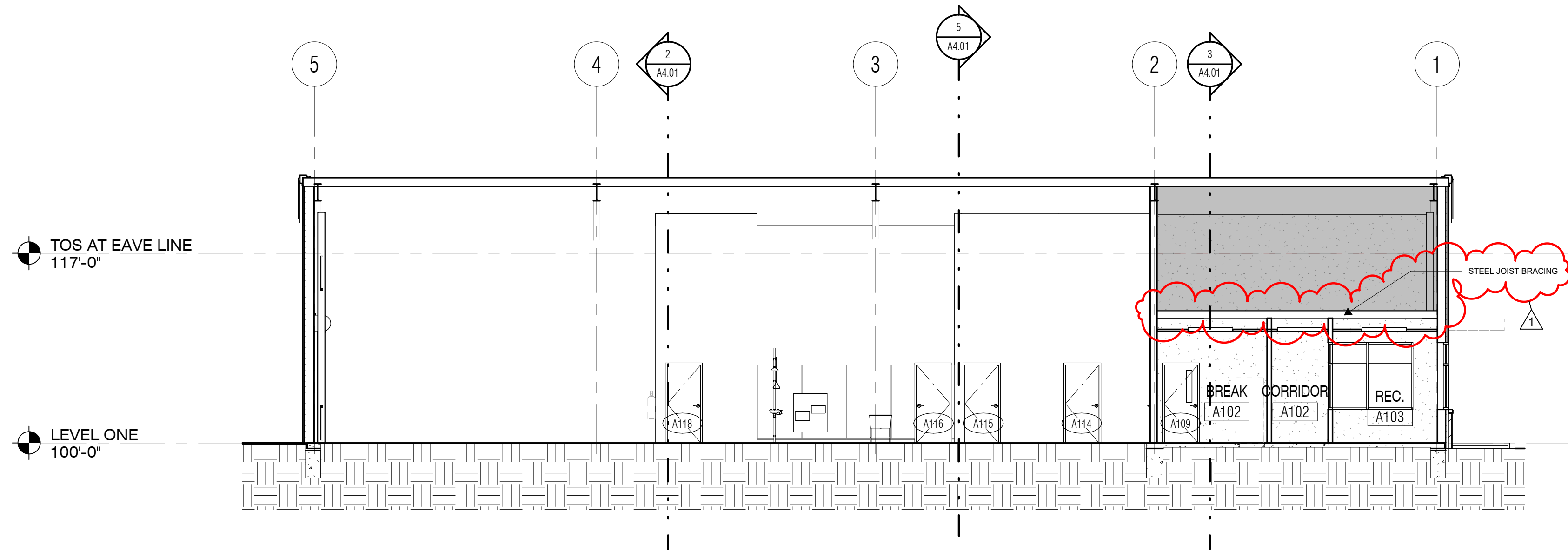
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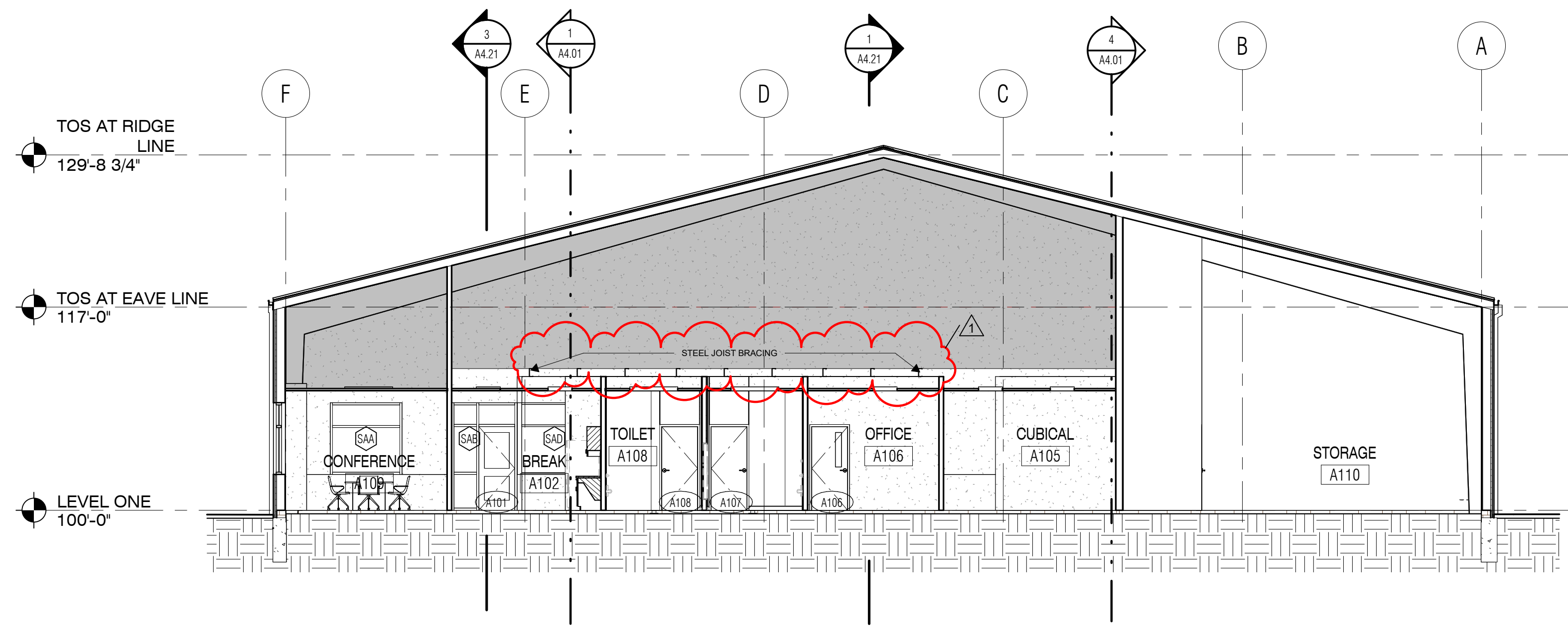
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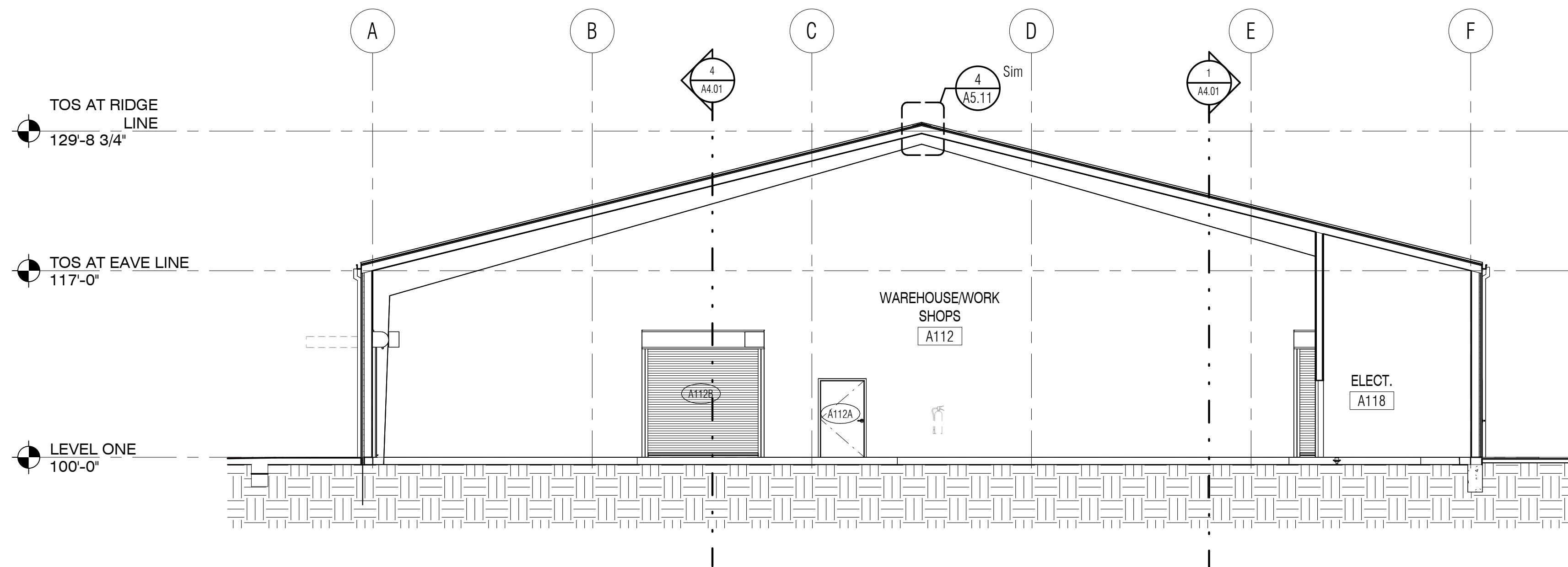
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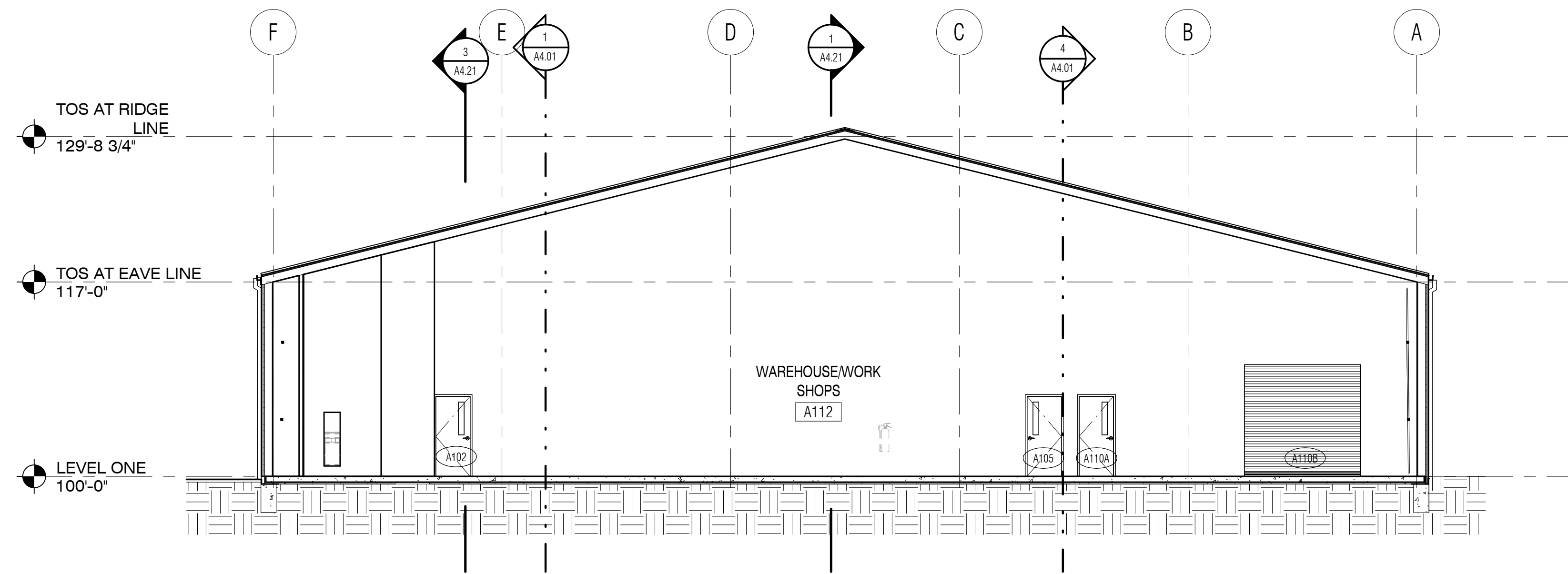
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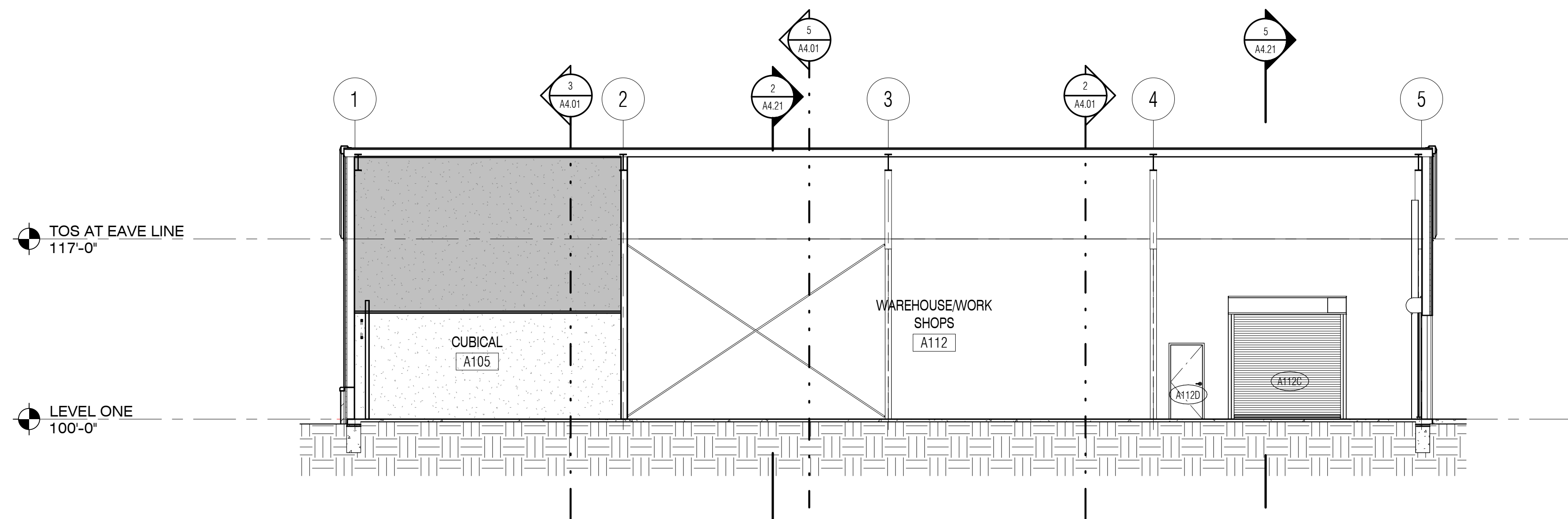
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2 BUILDING SECTION  
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5 BUILDING SECTION  
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4 BUILDING SECTION  
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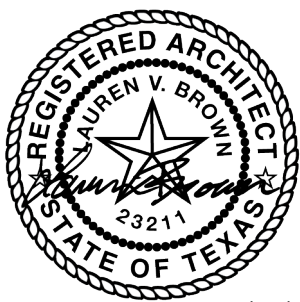
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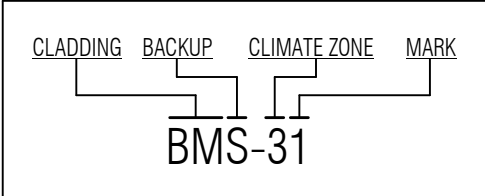
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BUILDING ASSEMBLY  
TYPES

SHEET NO.

A4.11

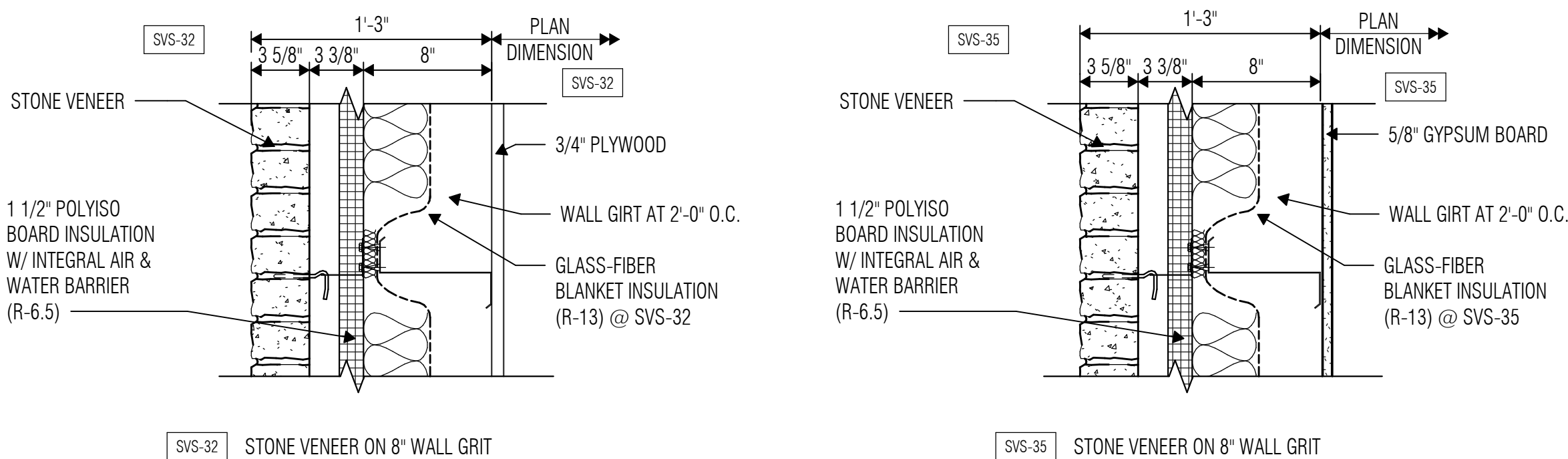
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BUILDING ASSEMBLY LEGEND MASTER LIST

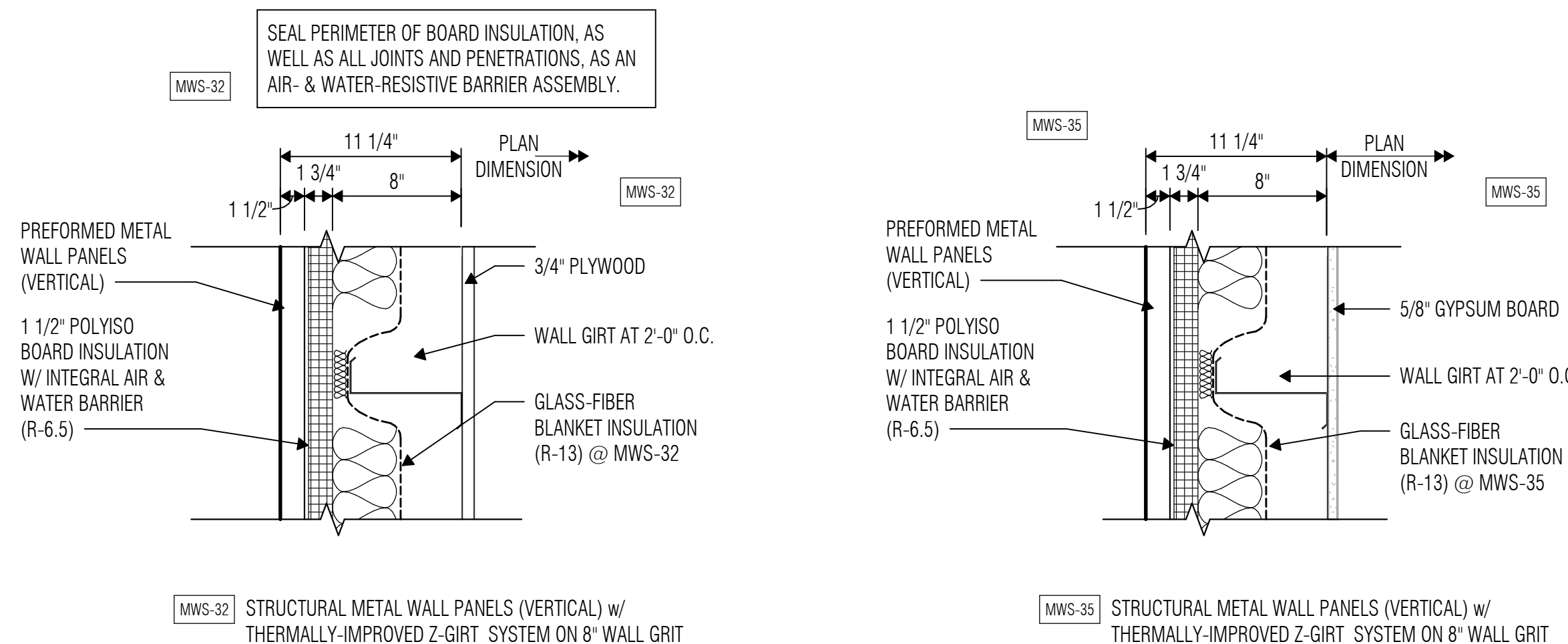
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Wall		MWS-32	Metal Wall Panel (Vertical) on 8" Girt w/ 3/4" Plywood
Wall		MWS-35	Metal Wall Panel (Vertical) on 8" Girt w/ 5/8" Gyp Bd
Wall		SVS-32	Stone Veneer on 8" Girt w/ 3/4" Plywood
Wall		SVS-35	Stone Veneer on 8" Girt w/ 5/8" Gyp Bd
Floor			
Floor	1	CSG-01	Concrete Slab on Grade
Roof			
Roof	3	MRM-31	Structural Metal Roof Panel System on Metal Building System Framing, w/8" Purlins and Liner System Insulation



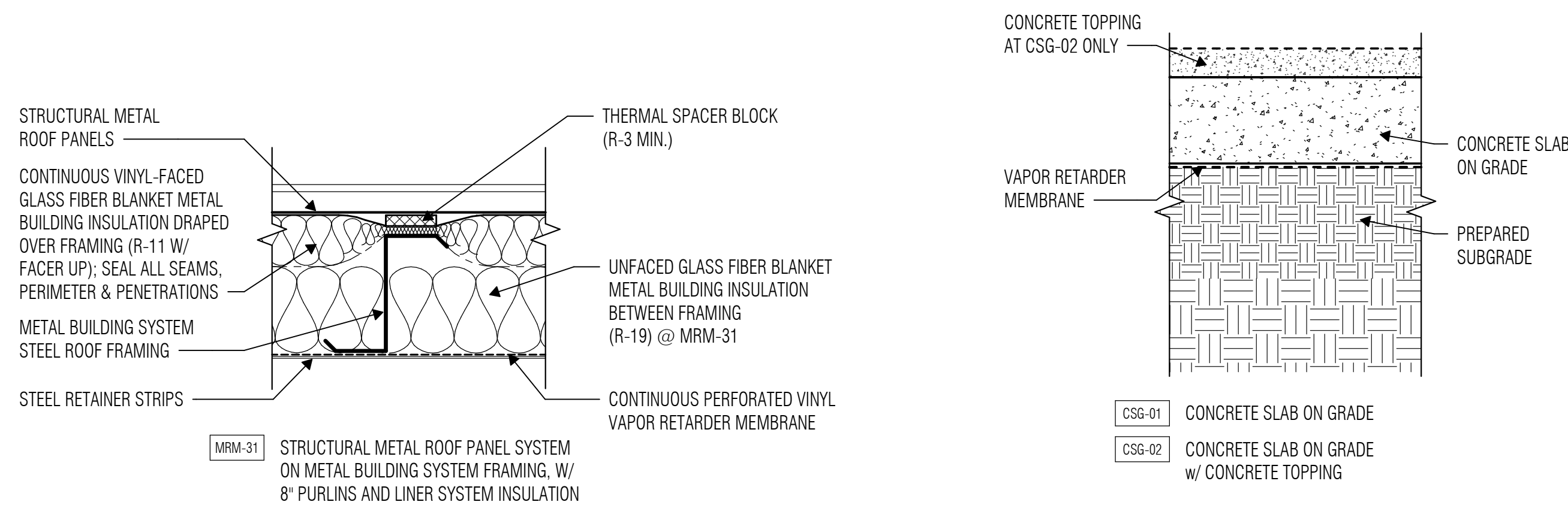
BUILDING ENVELOPE ASSEMBLY - WALL TYPES - STONE VENEER

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WALL TYPES CZ2 METAL WALL PANELS

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



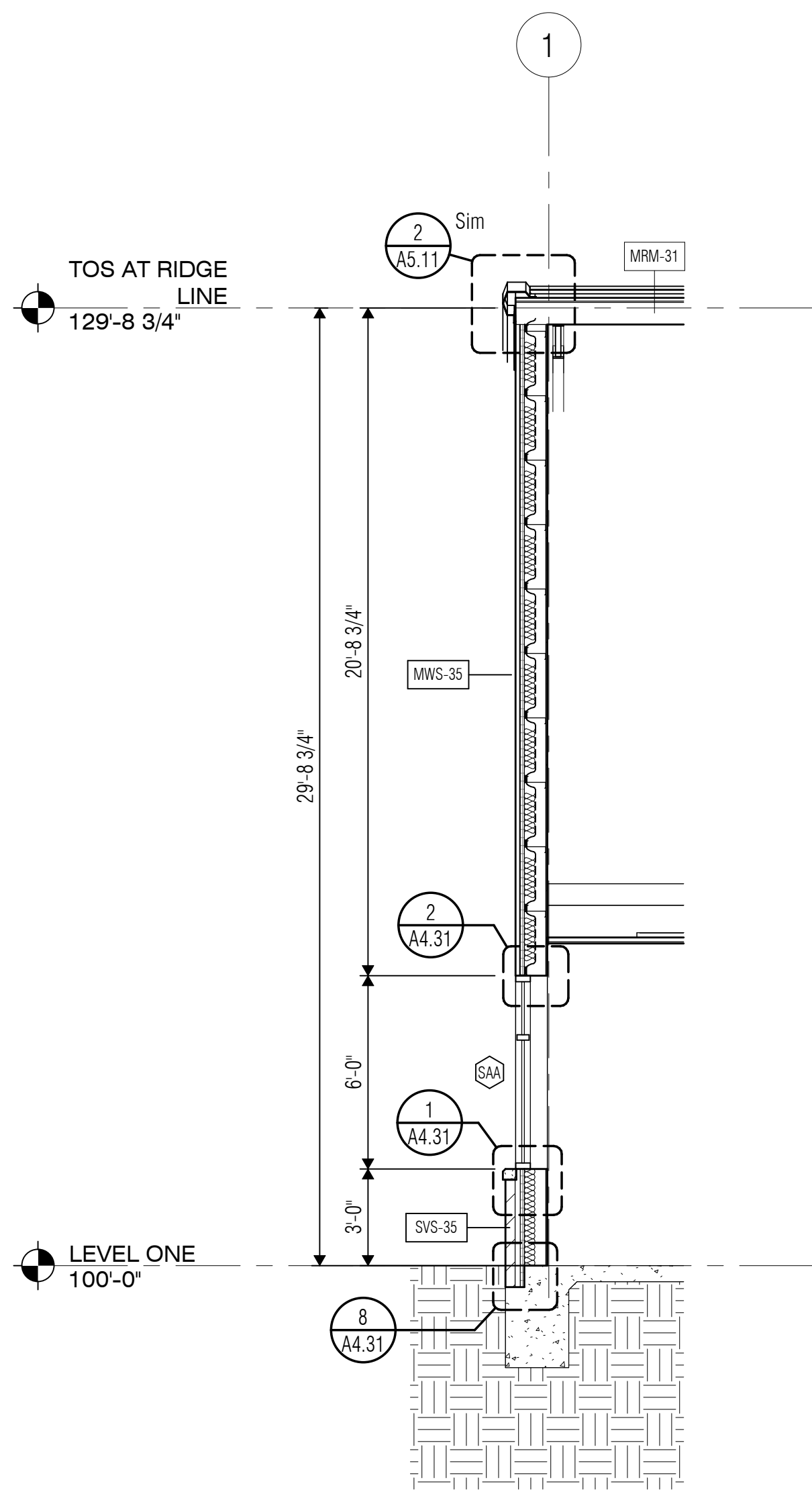
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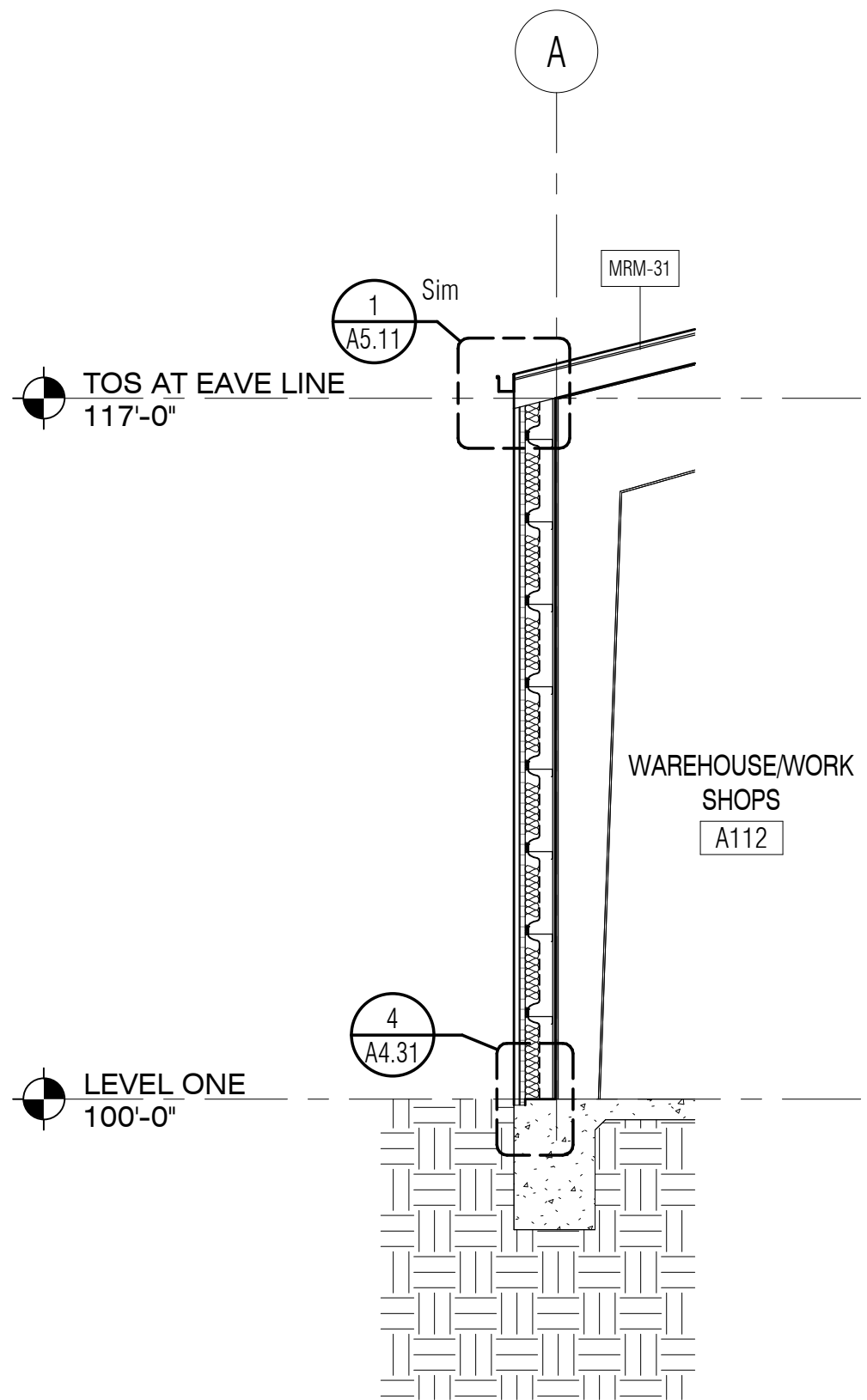
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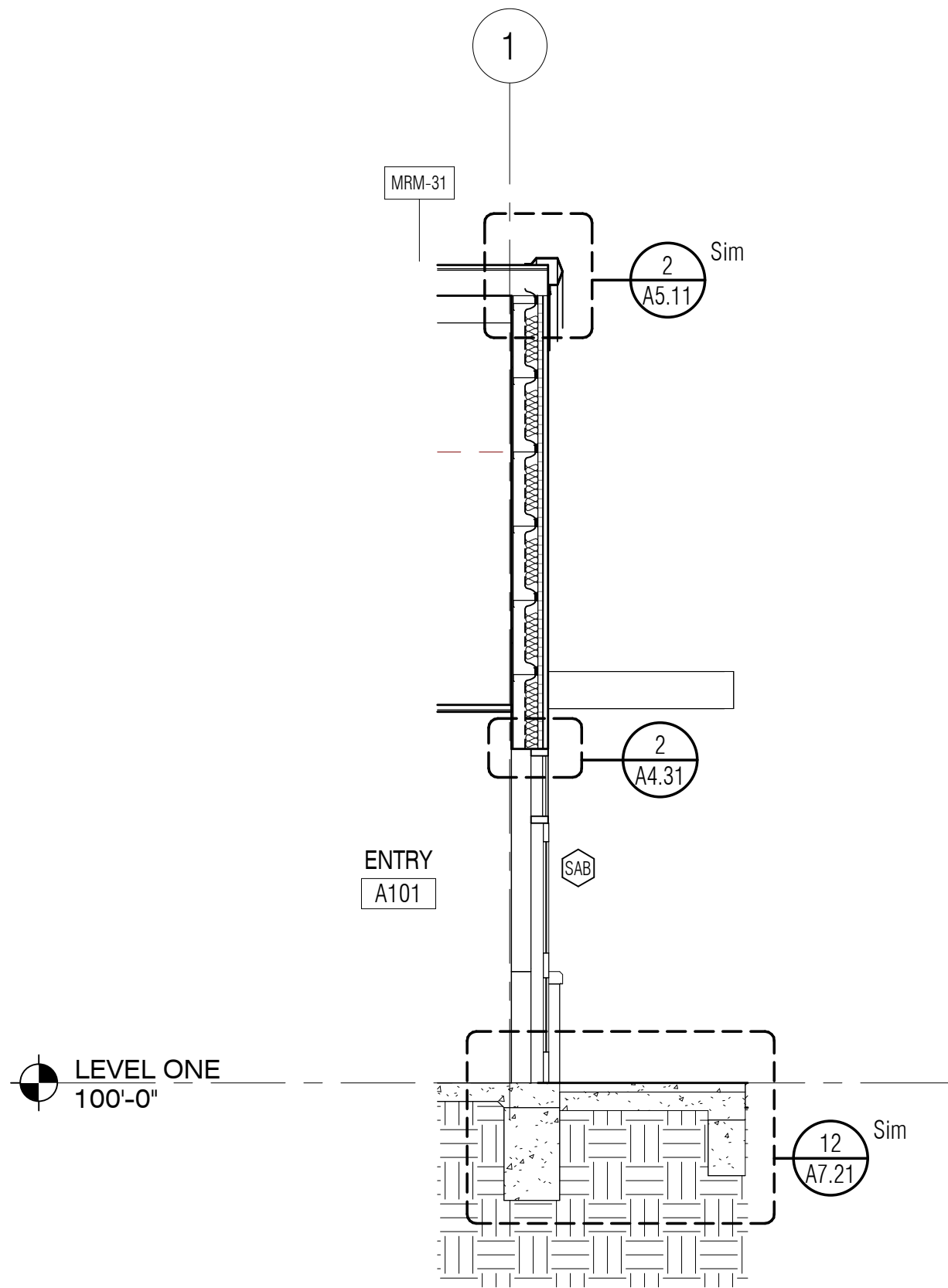




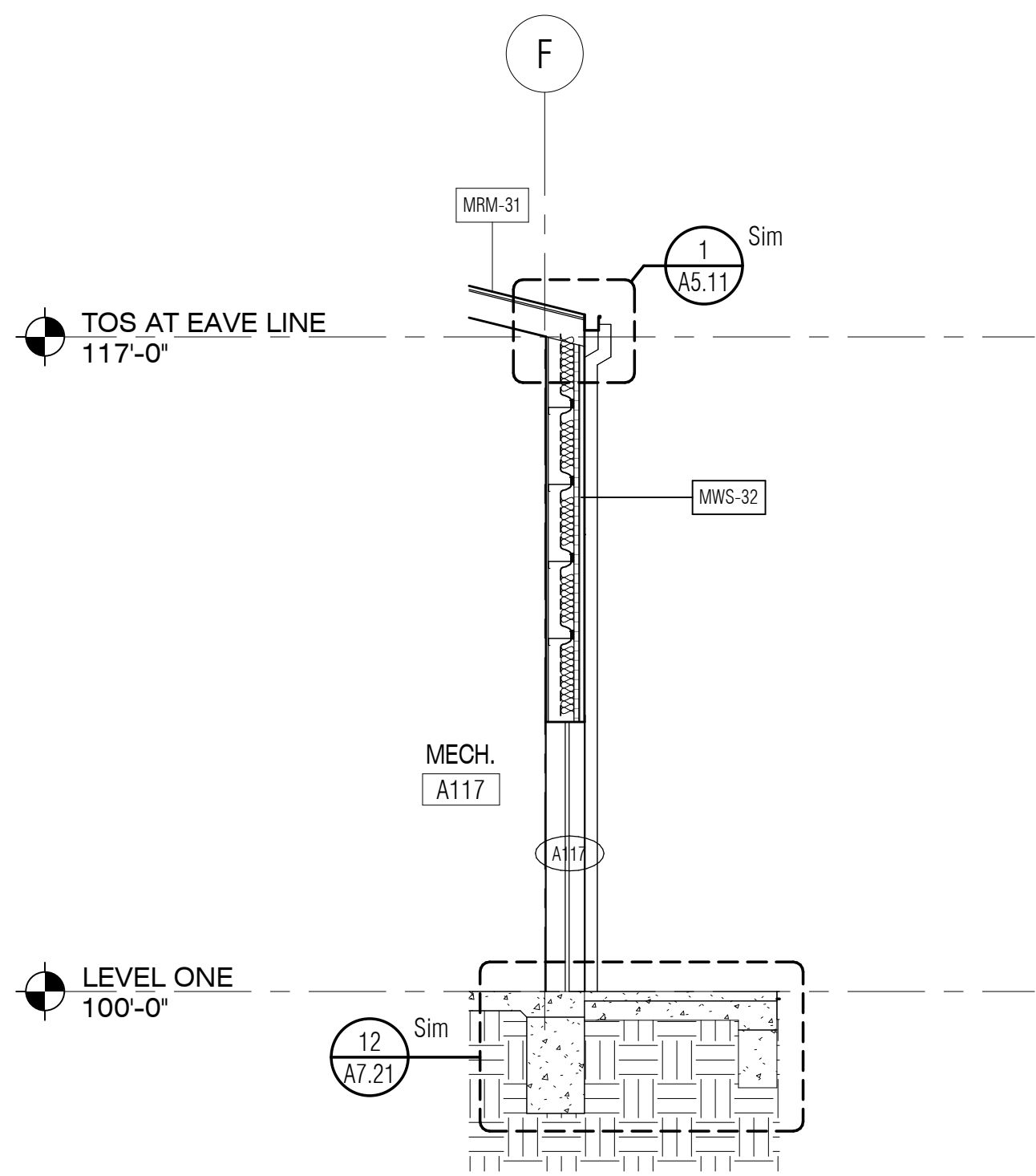
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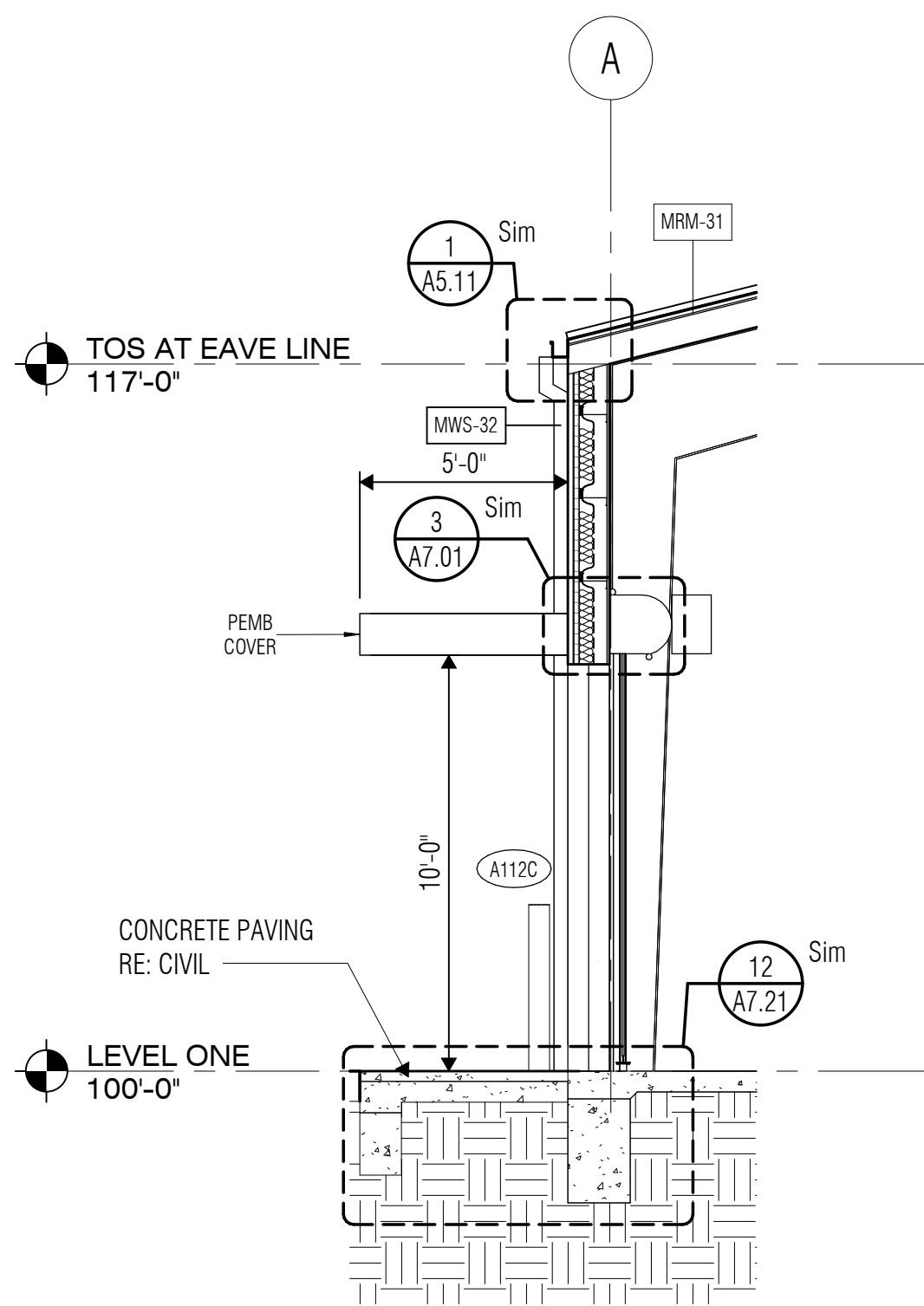
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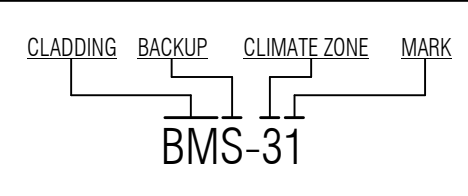
3 WALL SECTION  
SCALE: 1/4" = 1'-0"




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



5 WALL SECTION  
SCALE: 1/4" = 1'-0"



BUILDING ASSEMBLY LEGEND MASTER LIST			
VLK_Building Assembly Legend	VLK_Building Assembly Legend Order	TYPE MARK	DESCRIPTION
Wall			
Wall		MWS-32	Metal Wall Panel (Vertical) on 8" Girt w/ 3/4" Plywood
Wall		MWS-35	Metal Wall Panel (Vertical) on 8" Girt w/ 5/8" Gyp Bd
Wall		SVS-32	Stone Veneer on 8" Grit w/ 3/4" Plywood
Wall		SVS-35	Stone Veneer on 8" Grit w/ 5/8" Gyp Bd
Floor			
Floor	1	CSG-01	Concrete Slab on Grade
Roof			
Roof	3	MRM-31	Structural Metal Roof Panel System on Metal Building System Framing, w/8" Purlins and Liner System Insulation



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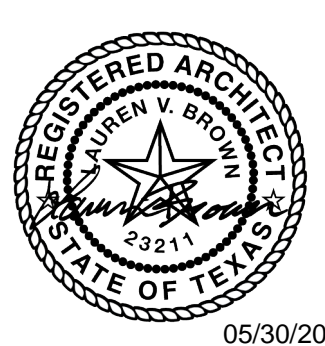
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05/30/2025

ISSUED: May 30, 2025

**REVISIONS**

Revision No.	Revision Date
--------------	---------------

Director LB  
Designer MO  
Proj. Arch. LH

Drawn By MO  
Quality Control

**PROJECT NO.**  
24-103.00

**SHEET TITLE**  
WALL SECTIONS

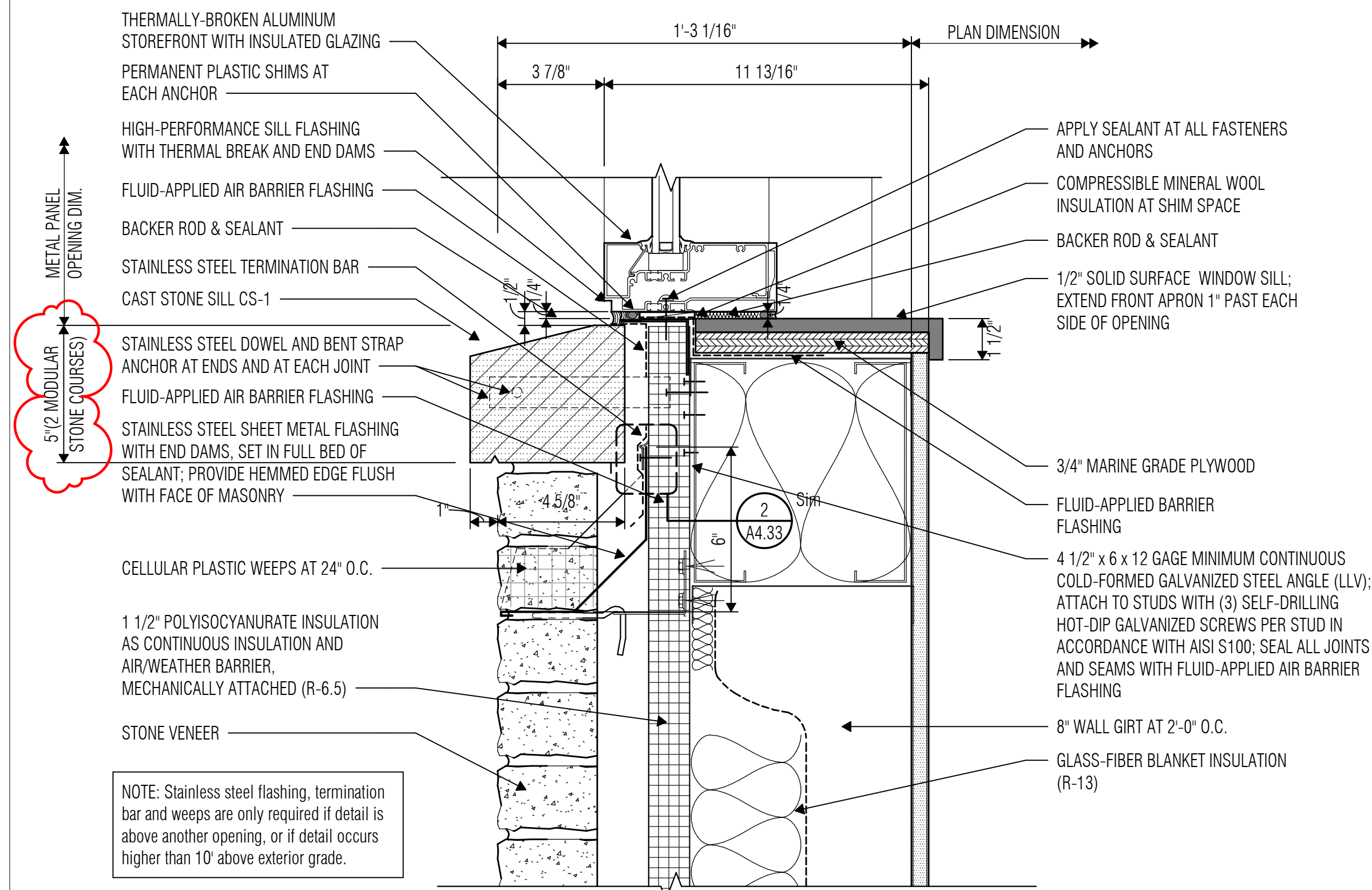
**SHEET NO.**  
A4.21

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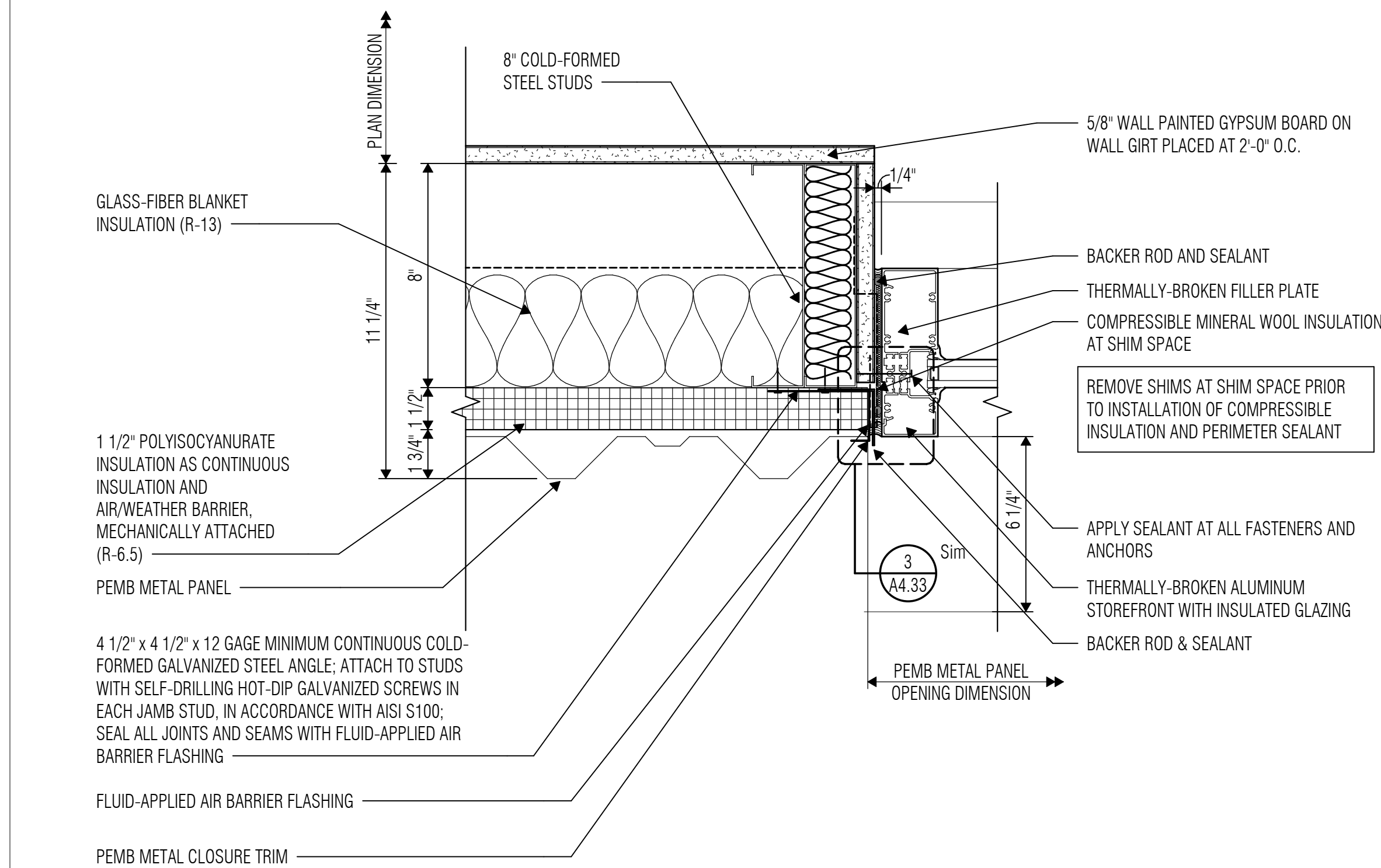
WHITE SETTLEMENT (SD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE

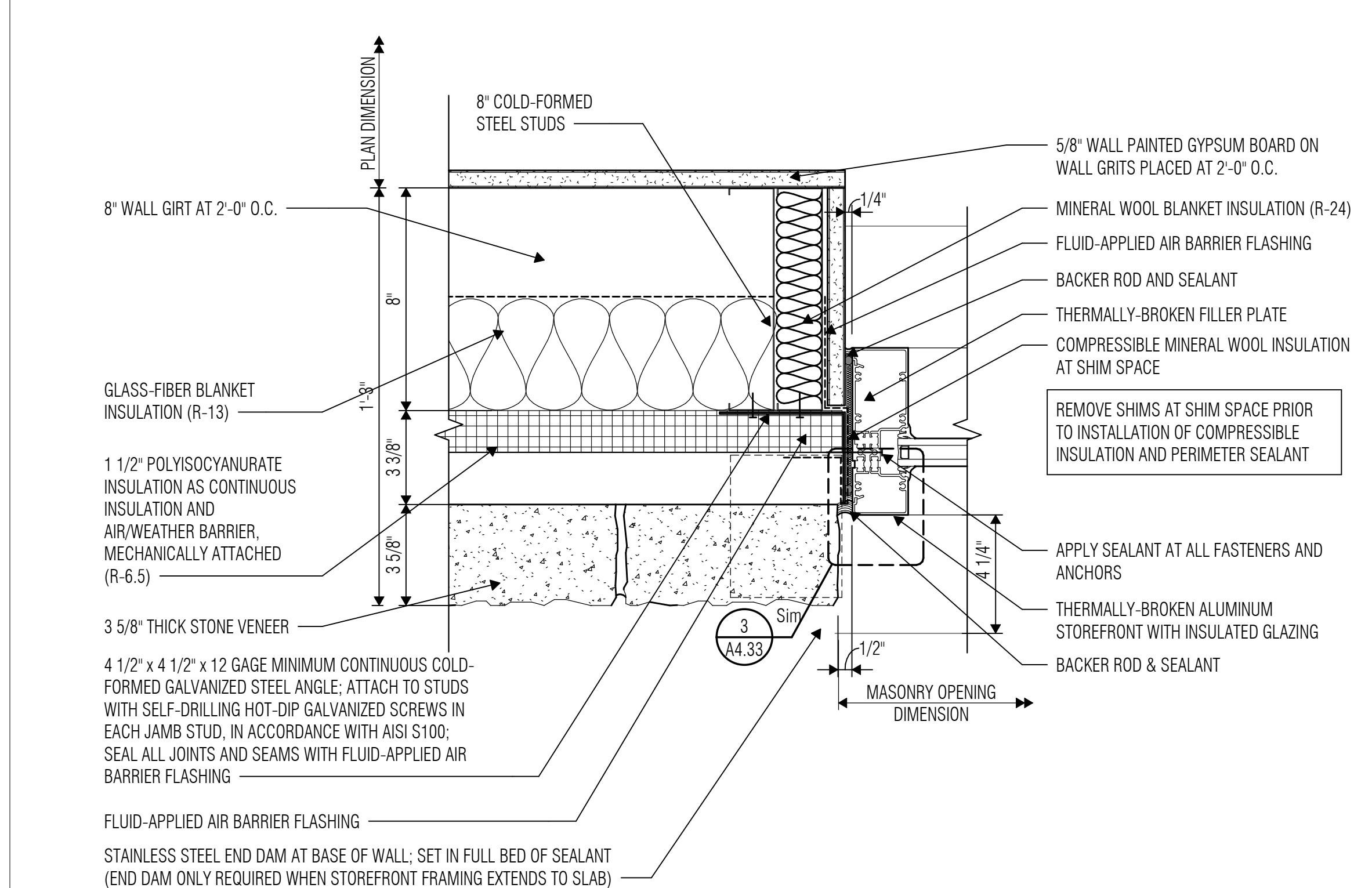




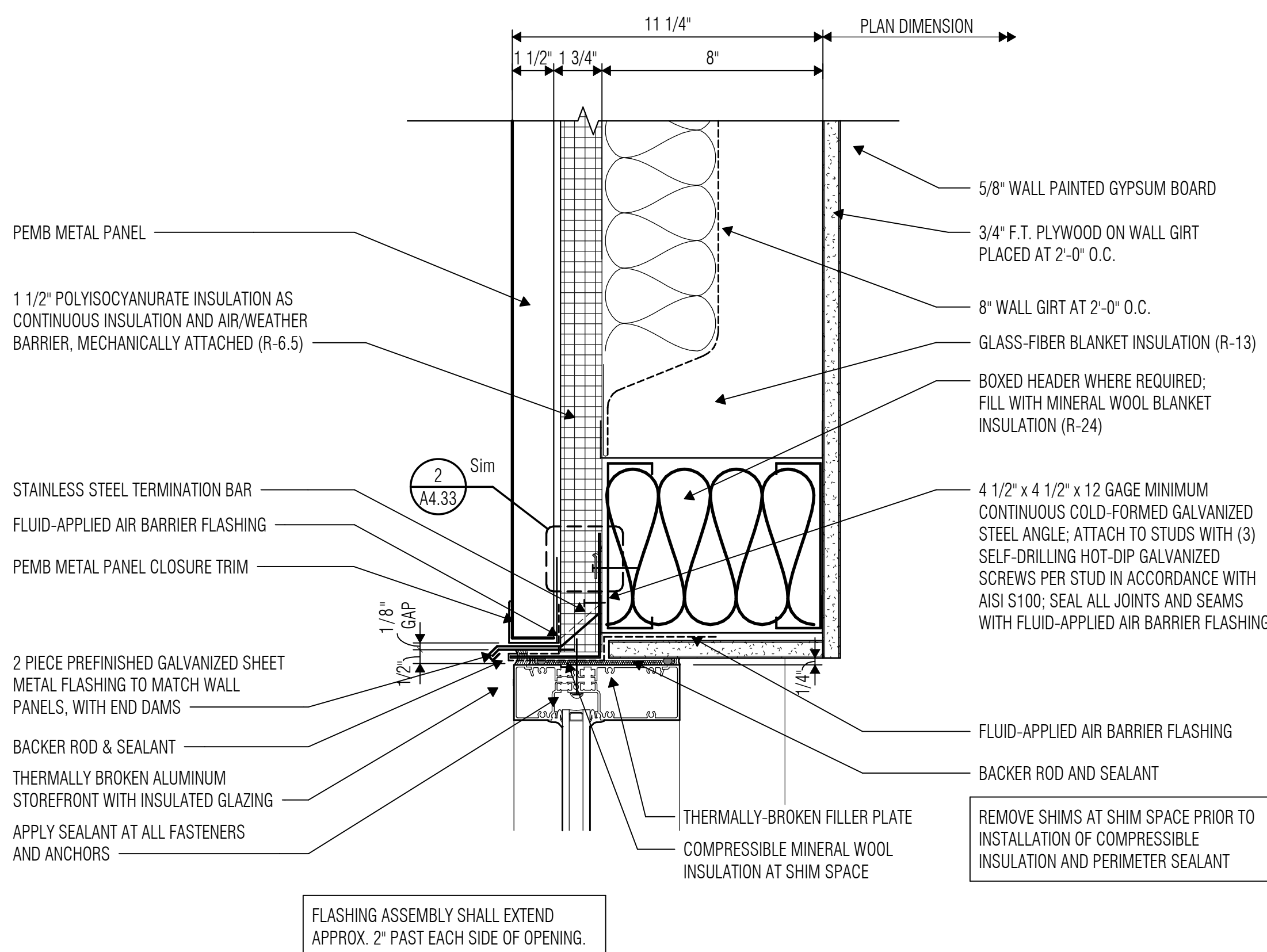
① **STONE VENEER WALL AT STOREFRONT SILL**  
SCALE: 3" = 1'-0"



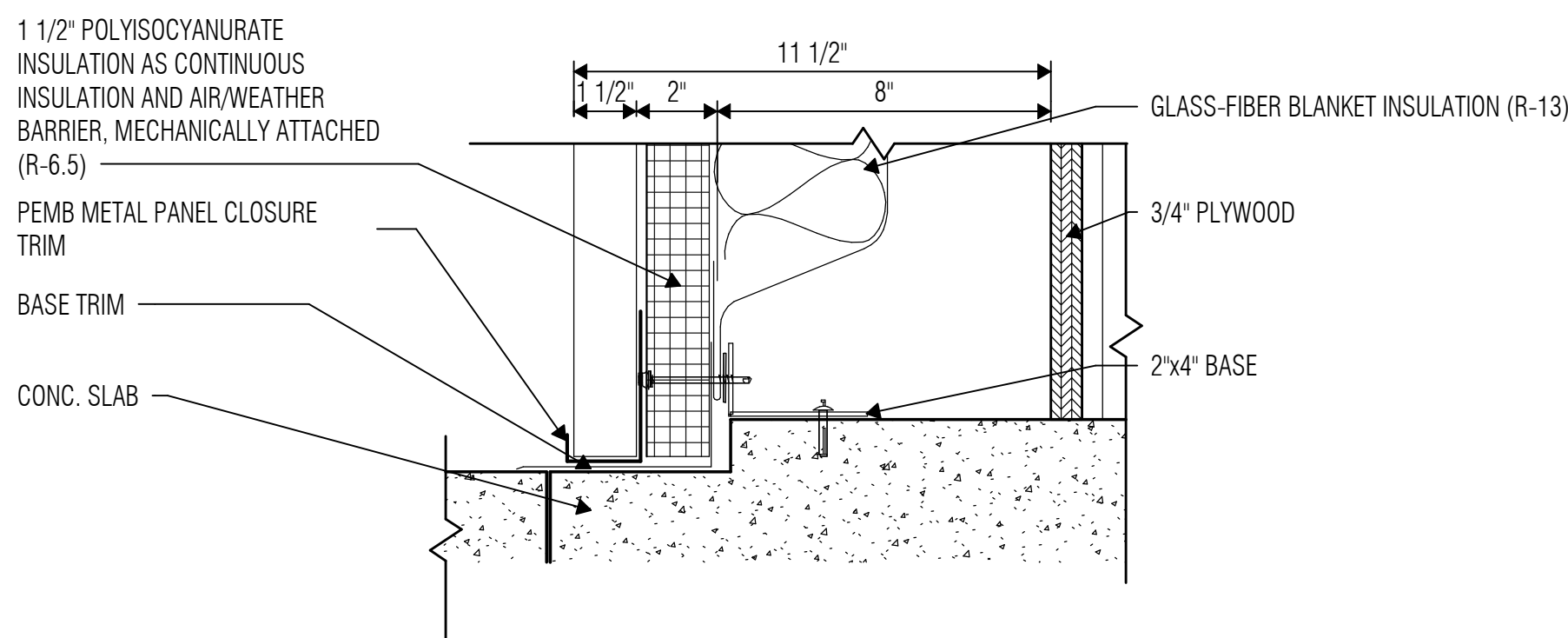
④ **METAL PANEL WALL AT STOREFRONT JAMB**  
SCALE: 3" = 1'-0"



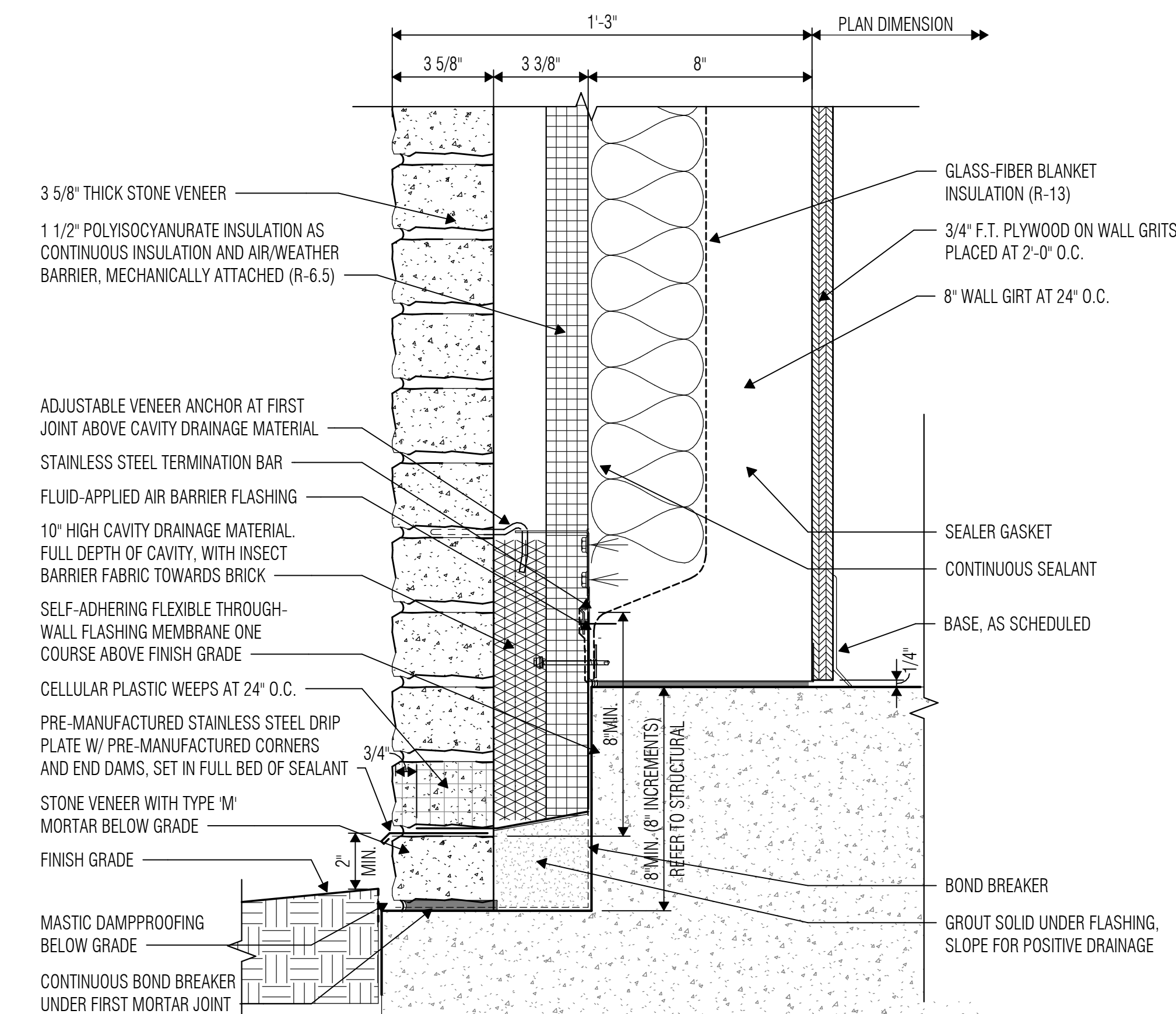
⑦ **STONE VENEER WALL AT STOREFRONT JAMB**  
SCALE: 3" = 1'-0"



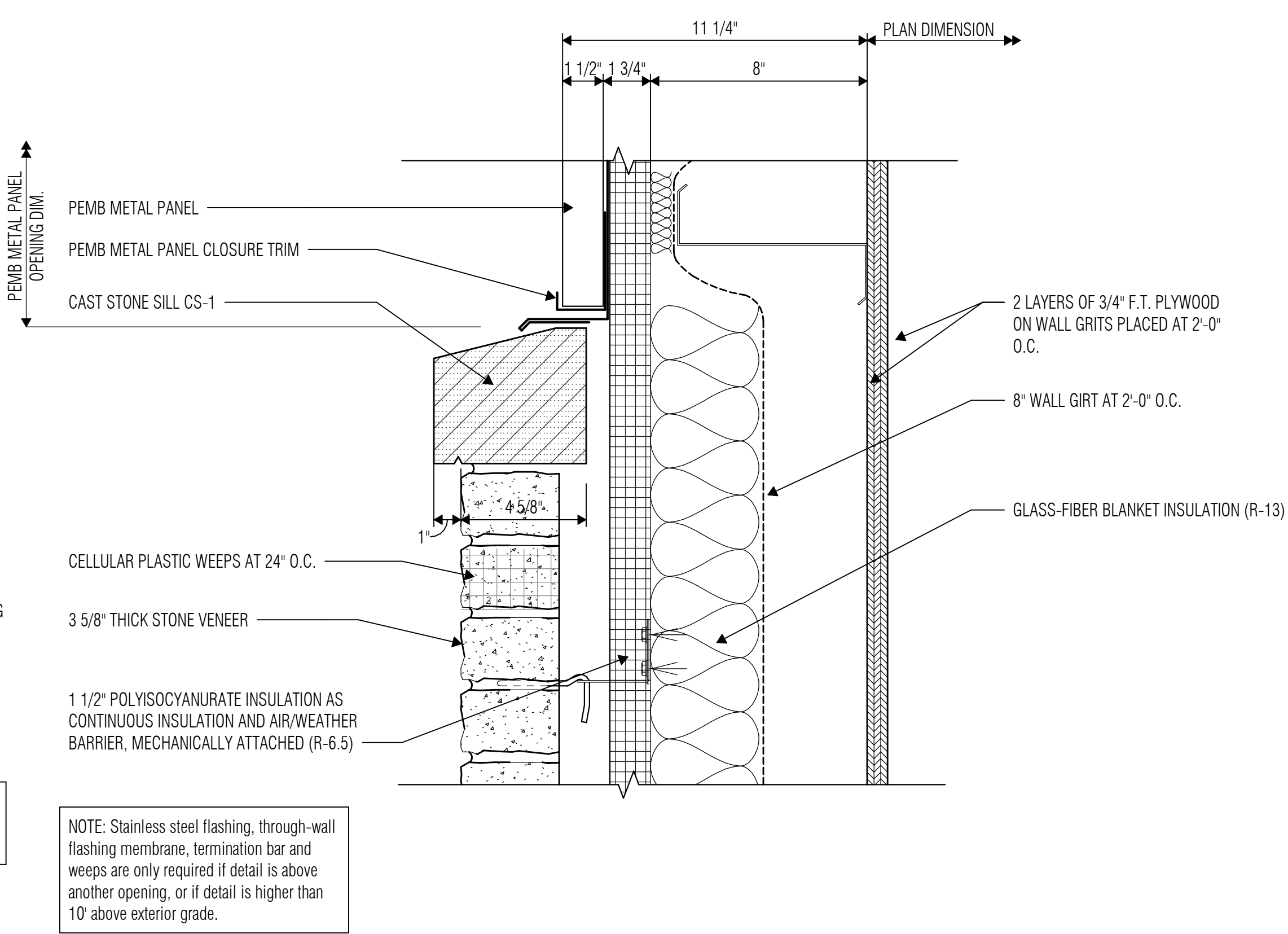
② **METAL WALL PANEL WALL AT STOREFRONT HEAD**  
SCALE: 3" = 1'-0"



⑥ **BASE DETAIL**  
SCALE: 3" = 1'-0"



⑧ **STONE VENEER WALL AT GRADE**  
SCALE: 3" = 1'-0"



③ **METAL PANEL WALL AT STOREFRONT SILL**  
SCALE: 3" = 1'-0"



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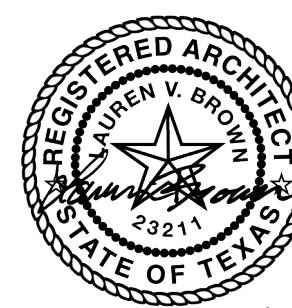
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05/30/2025

ISSUED: May 30, 2025

**REVISIONS**

Revision No.	Revision Date
1 Addendum 01	05/23/2025

Director  
LB  
Designer  
Proj. Arch.  
LH

Drawn By  
MO  
Quality Control

**PROJECT NO.**

**24-103.00**

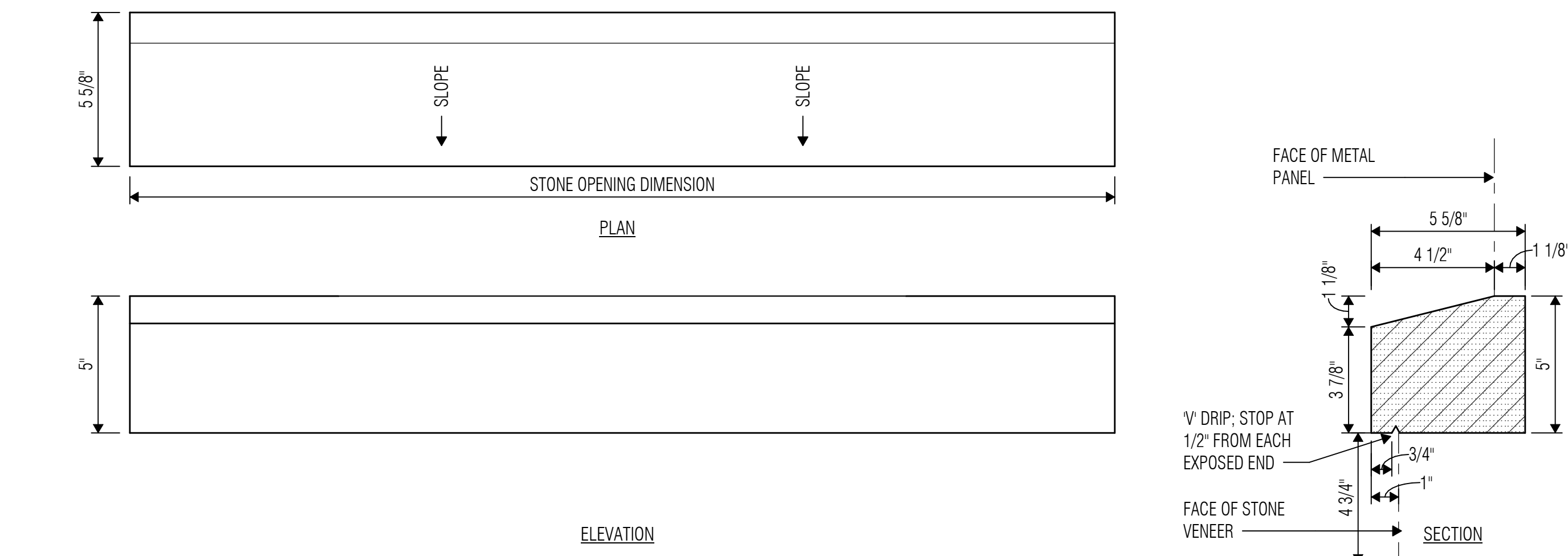
**SHEET TITLE**

**BUILDING ASSEMBLY  
DETAILS**

**SHEET NO.**

**A4.31**





\*CS-1.BM.L.30  
AT 3' WINDOW SETBACK IN  
STONE VENEER W/ LUGS

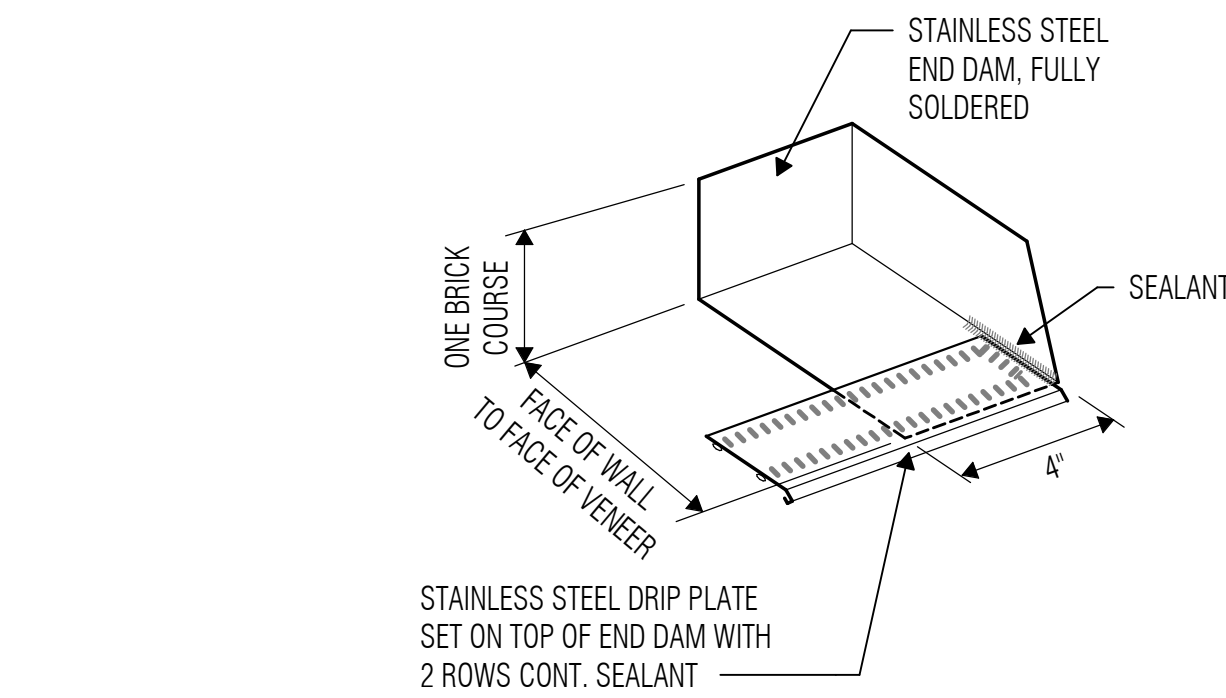
## 1 CAST STONE SHAPE - CS-1

SCALE: 3" = 1'-0"

## 2 TERMINATION BAR DETAIL

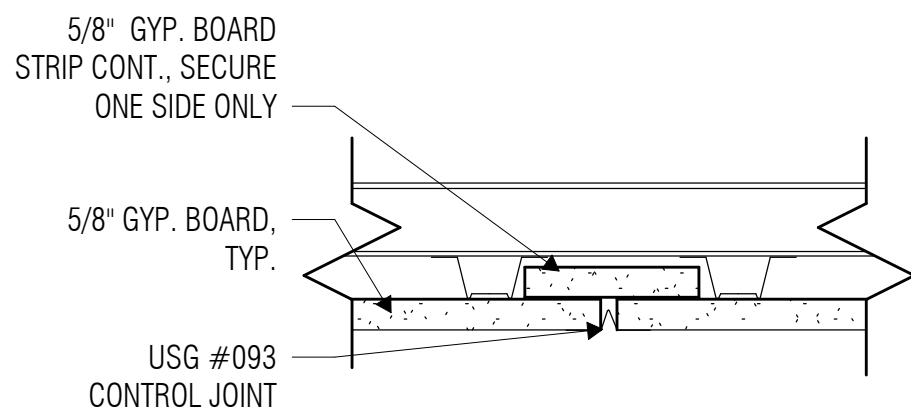
SCALE: 6" = 1'-0"

GD010



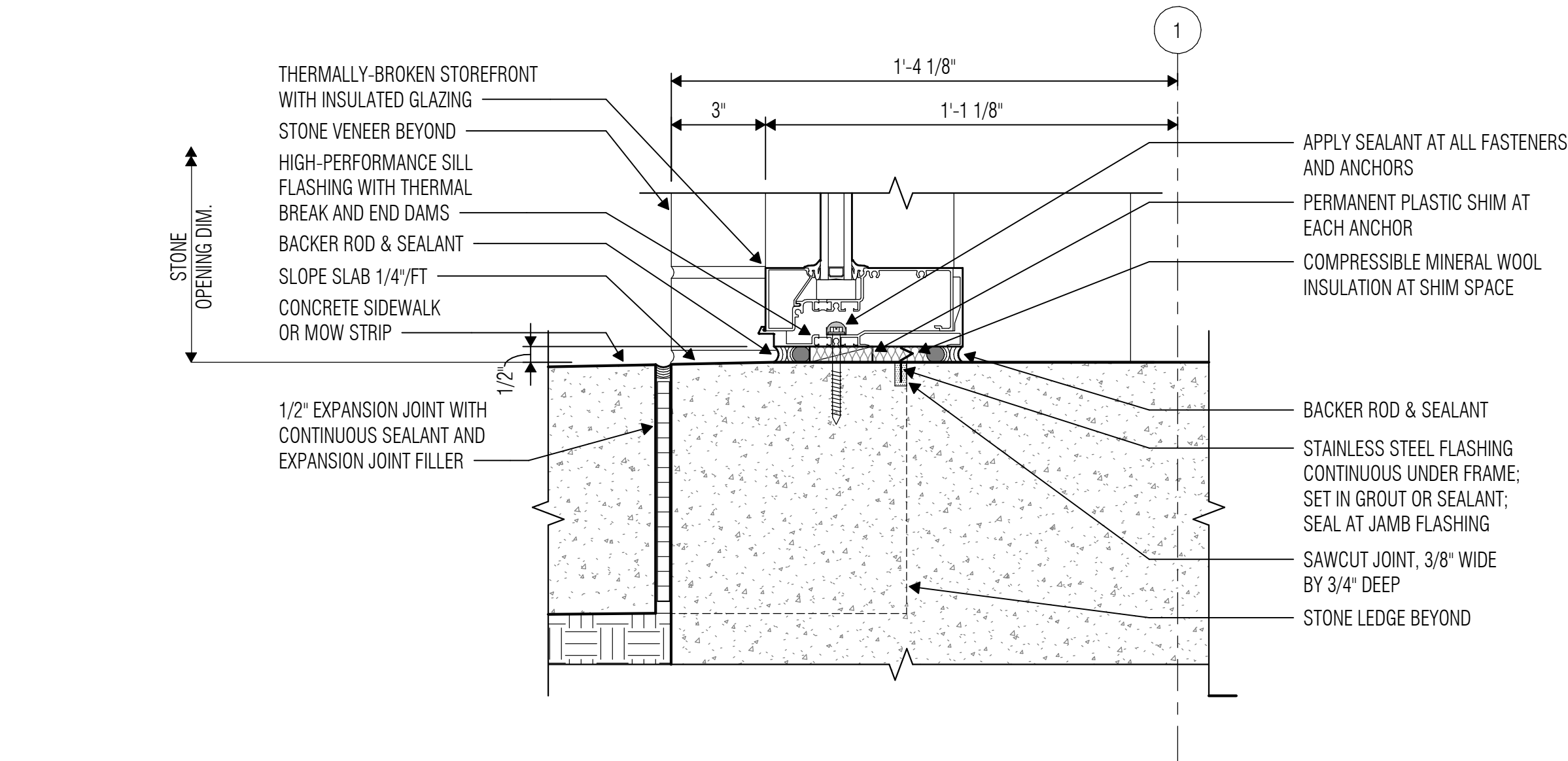
## 8 STAINLESS STEEL END DAM AT DOOR & WINDOW JAMBS

SCALE: 3" = 1'-0"



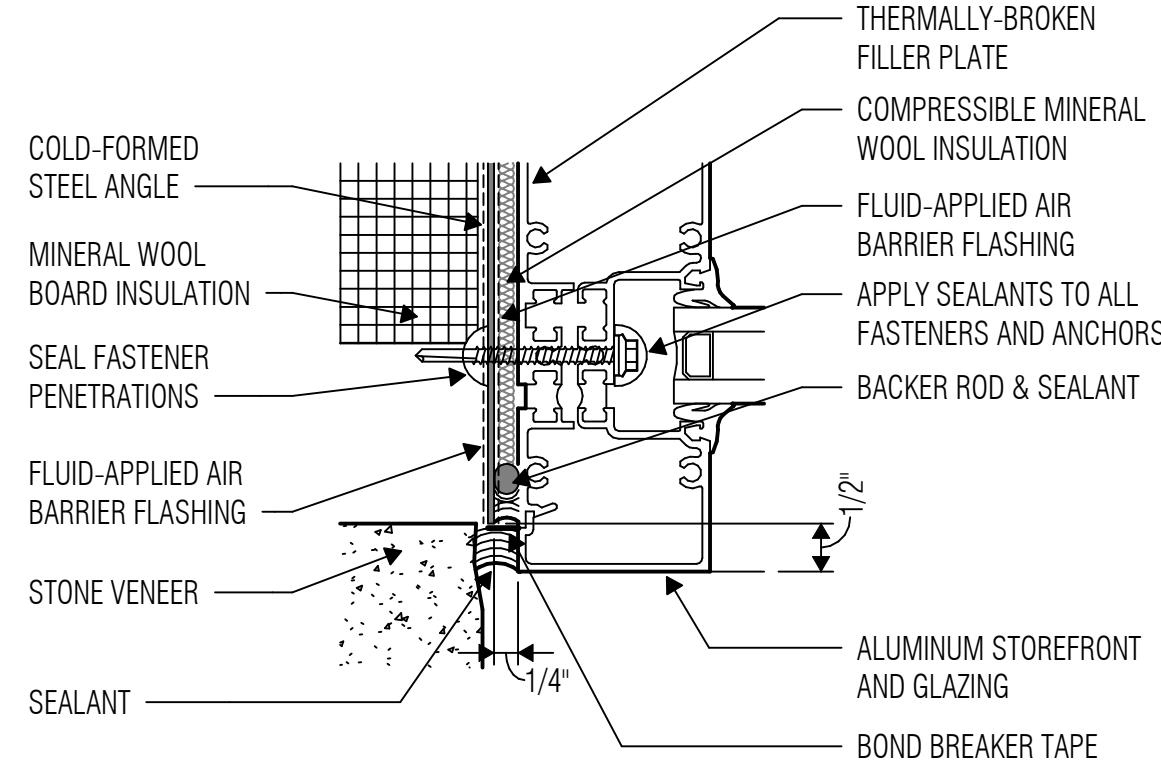
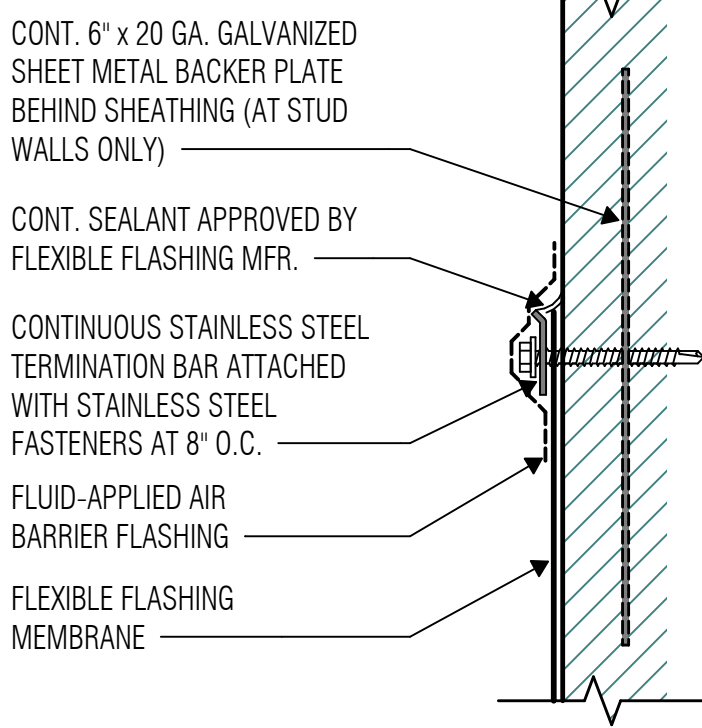
## 10 GYP. BOARD CJ

SCALE: 3" = 1'-0"



## 9 STOREFRONT SILL AT SLAB

SCALE: 3" = 1'-0"



## 3 DETAIL at STOREFRONT JAMB FLASHING

SCALE: 6" = 1'-0"

GD014



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### REVISIONS

Revision No. Revision Date

Director LB  
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Proj. Arch. LH  
Drawn By MO  
Quality Control

### PROJECT NO.

24-103.00

### SHEET TITLE

BUILDING ASSEMBLY  
DETAILS

### SHEET NO.

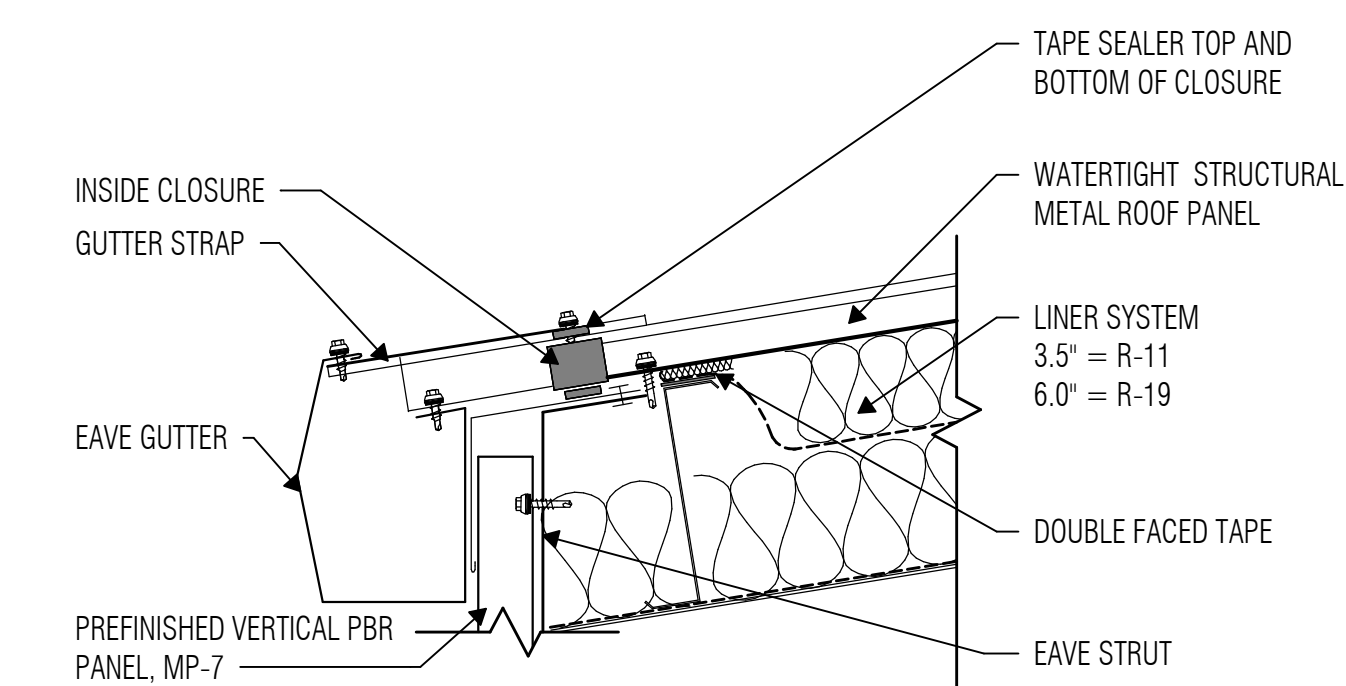
A4.33

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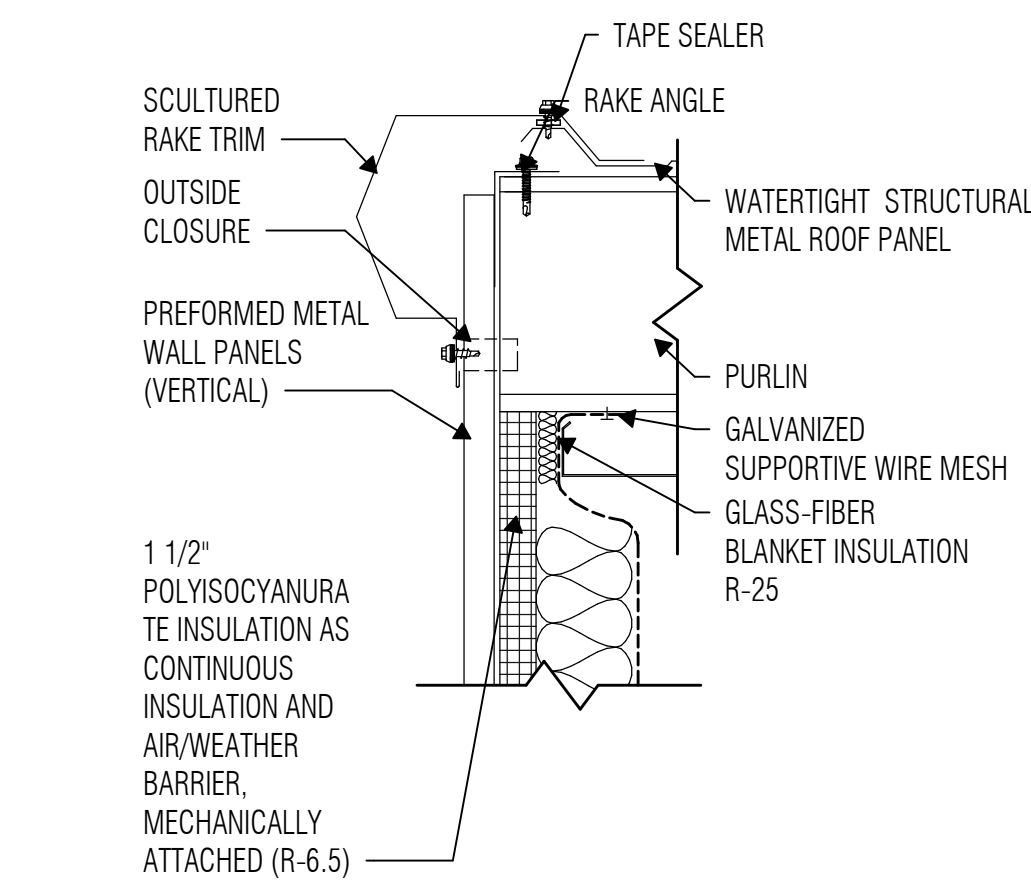
WHITE SETTLEMENT ISD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE

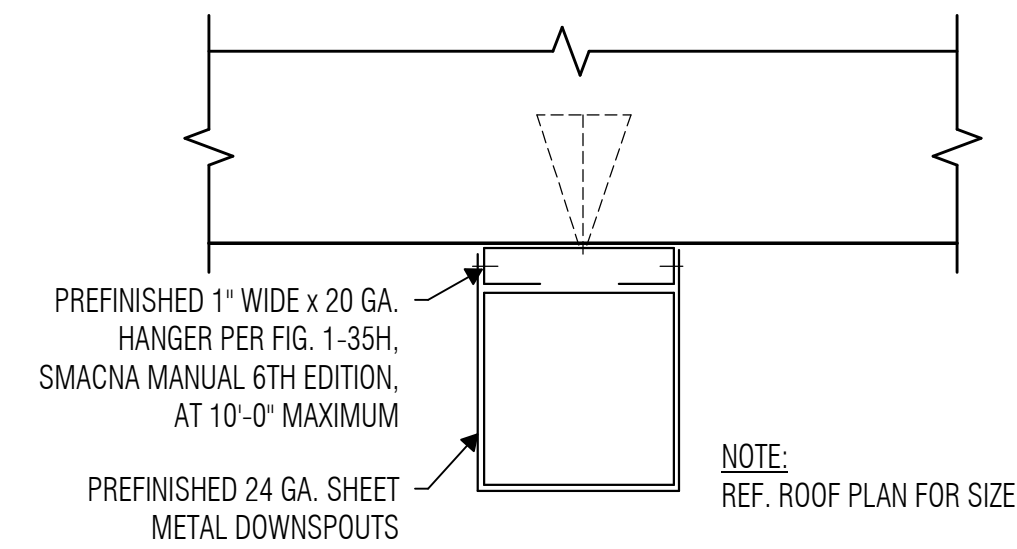




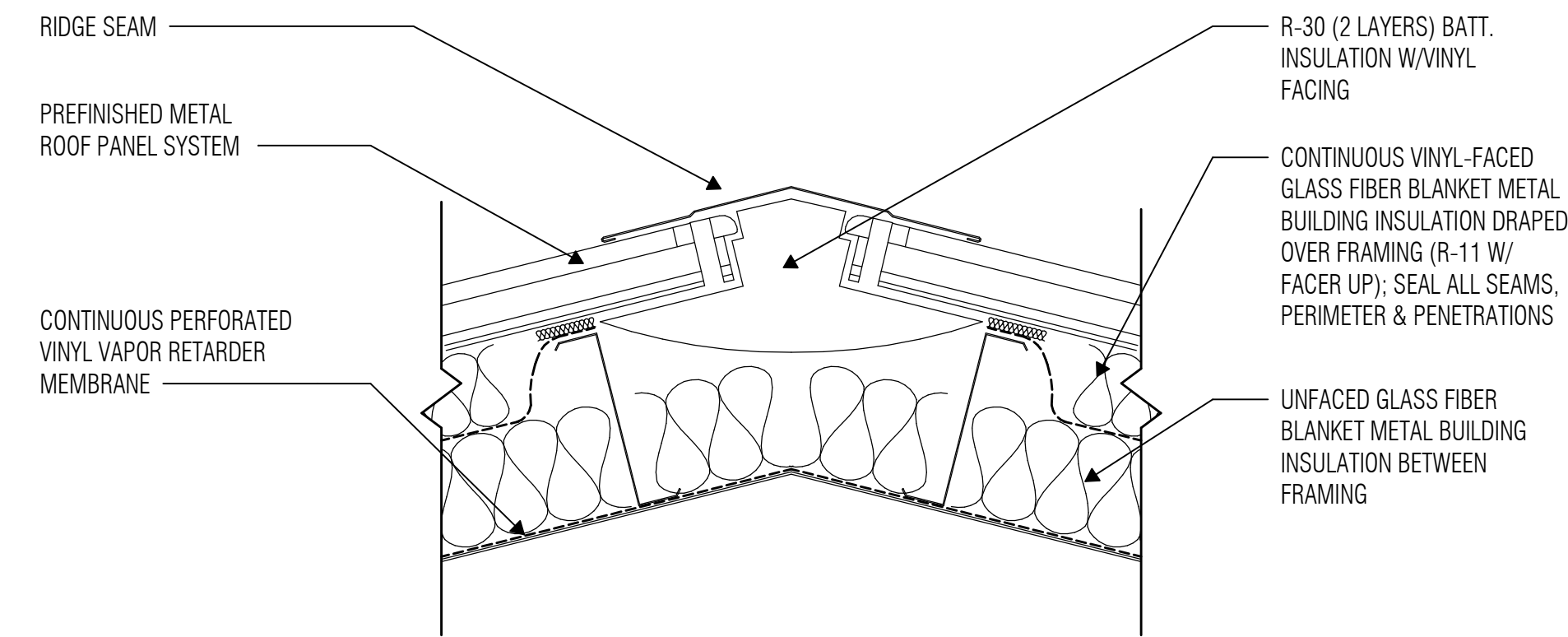
1 GUTTER DETAIL  
SCALE: 1 1/2" = 1'-0"



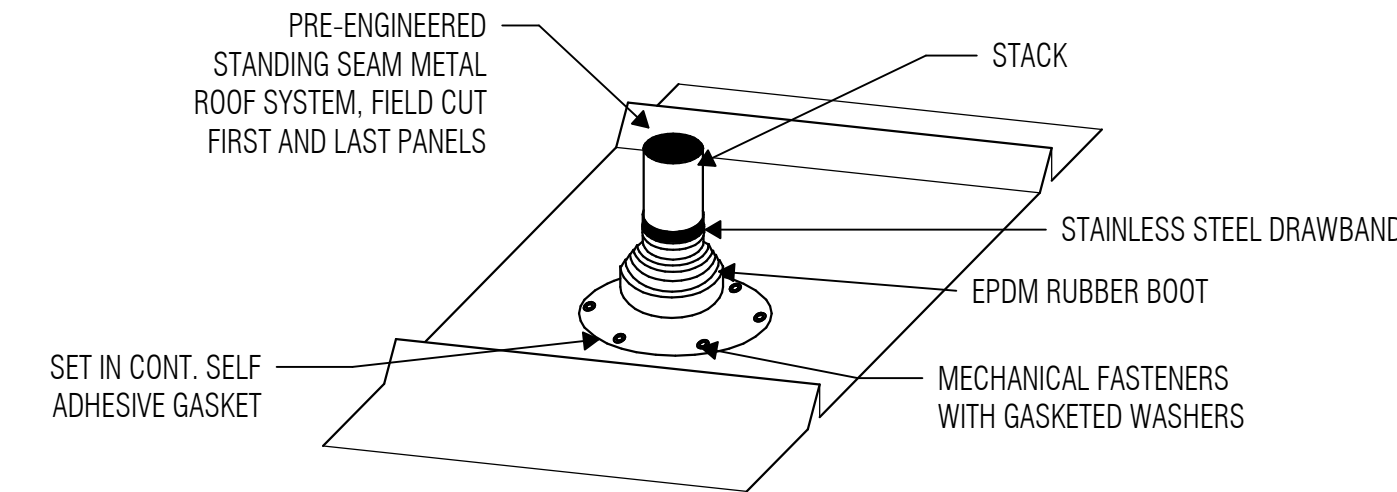
2 RAKE DETAIL  
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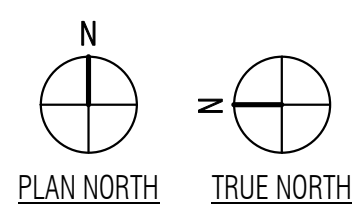
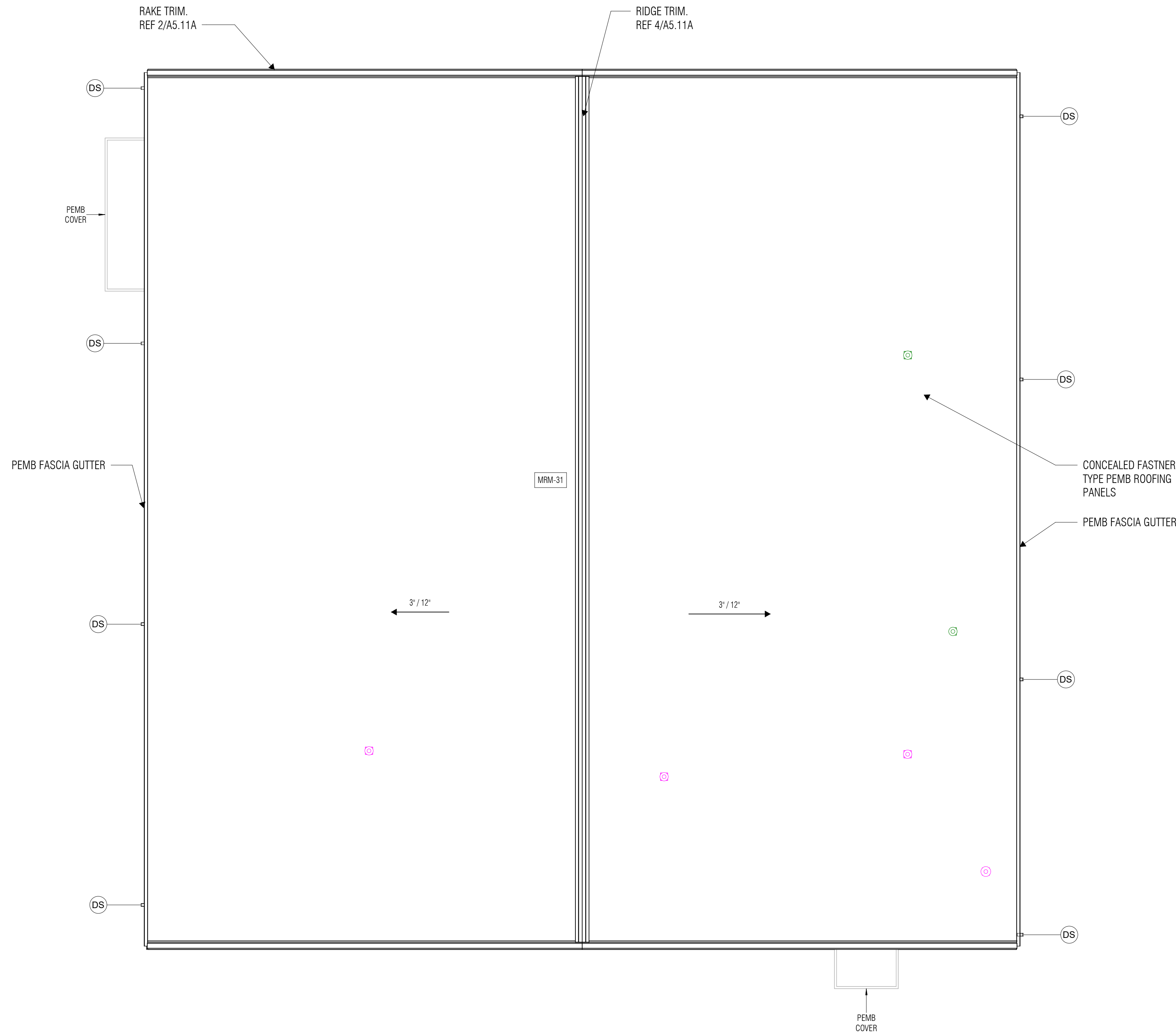
3 RECT DOWNSPOUT PLAN  
SCALE: 3" = 1'-0"



4 ROOF DETAIL - RIDGE  
SCALE: NTS



5 VENT STACK PREFINISHED METAL ROOF  
SCALE: 1 1/2" = 1'-0"



7 ROOF PLAN - UNIT A  
SCALE: 1/8" = 1'-0"



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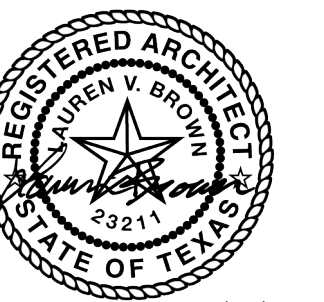
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ISSUED: May 30, 2025

REVISIONS

Revision No.	Revision Date
--------------	---------------

Director	Drawn By
LB	MO
Designer	Quality Control
Designer	
Proj. Arch.	
LH	

PROJECT NO.

24-103.00

SHEET TITLE

ROOF PLAN

SHEET NO.

A5.11





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Revision No. Revision Date

Director LB  
Designer LH  
Proj. Arch. LH  
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Quality Control

PROJECT NO.

24-103.00

SHEET TITLE

REFLECTED CEILING PLAN

SHEET NO.

A6.11

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WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE

REFLECTED CEILING PLAN NOTES

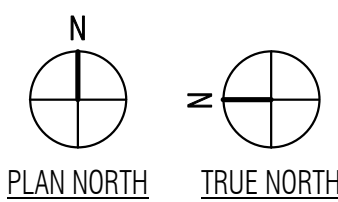
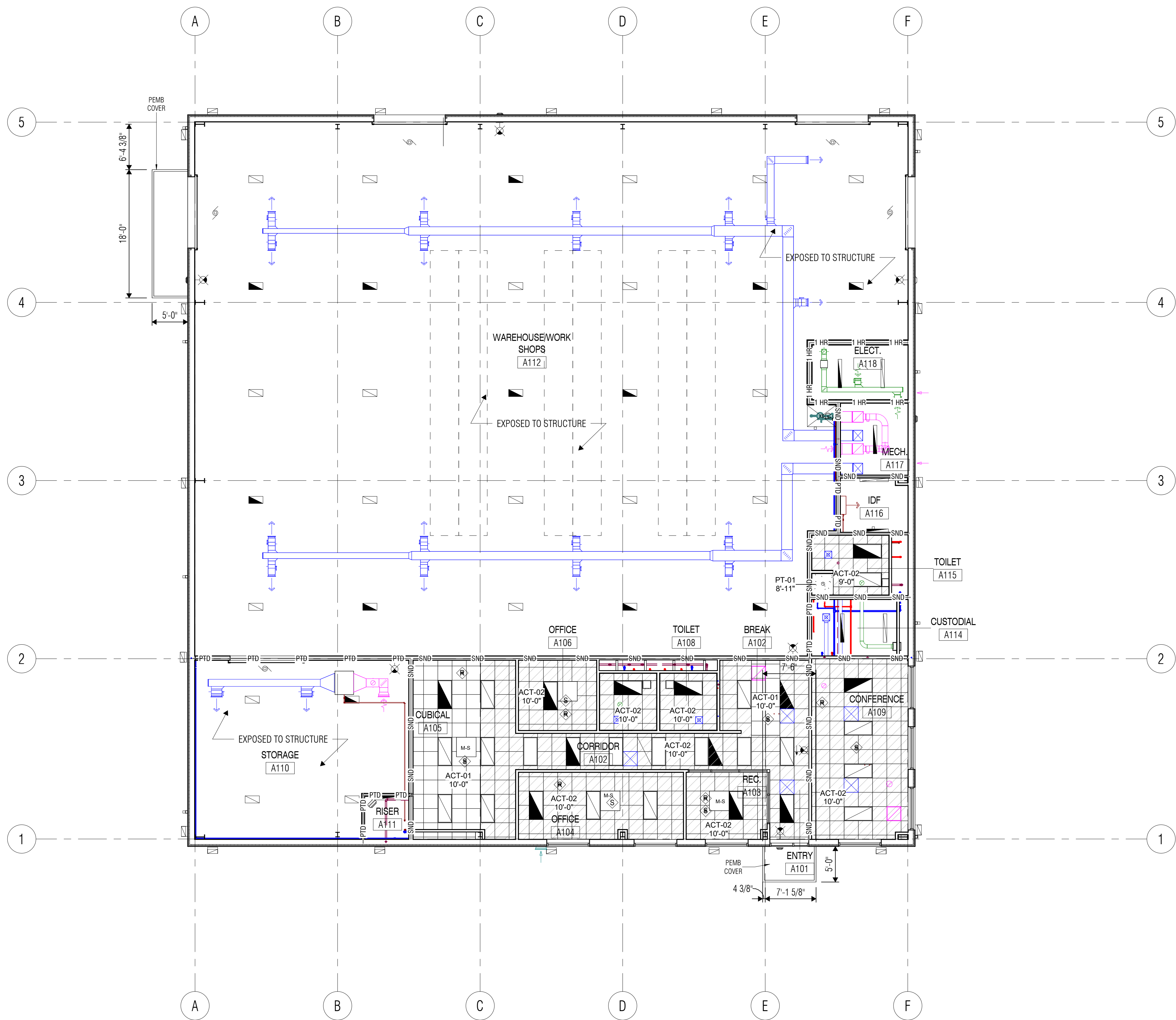
- All ceiling heights shall be [9'-1 1/8"] [8'-11 3/4"] [other] A.F.F. unless noted otherwise.
- Refer to Detail10/A4.33 for Typical Gypsum Board Ceiling Control Joint Detail.
- Provide vented reveals at perimeter of all non-insulated exterior plaster soffits. Provide venting strips or perforated panels at perimeter of all non-insulated metal panel soffits (refer to Detail 10/10.1). Venting at non-insulated soffits shall be provided whether specifically indicated on the drawings or not.
- Provide partition to deck (PTD) at walls surrounding spaces with exposed structure. Refer to Reflected Ceiling Plan Legend for PTD requirements.
- Provide hold-down clips for all acoustic lay-in ceiling panels at vestibules, at sloped ceilings, at fire-rated ceilings, and within 6 feet of exterior doors without vestibules.
- At ceiling furring details, the suspended assemblies, bracing, blocking, etc. shown on the details are for schematic representation only. Provide stable, secure and permanent assemblies at these locations in accordance with recommended light-gage steel framing installation practices.
- At partitions that do not extend to deck above, extend partition 4" minimum above highest adjacent ceiling and brace per Floor Plan Legend and Floor Plan Notes.

REFLECTED CEILING PLAN LEGEND

	ACT-01	ACOUSTIC LAY-IN CEILING TILE 24" X 24"
	ACT-02	ACOUSTIC LAY-IN CEILING TILE 24" X 24" W/3-1/2" THICK SOUND BATTS ABOVE
	PT-01	5/8" WATERPROOF GYPSUM BOARD CEILING, PAINTED PT-01, U.N.O.
		LIGHT FIXTURES. Refer to Electrical Drawings.
		SUPPLY AND RETURN GRILLES. Shown for location purposes only. Refer to Mechanical Drawings.
	M-S	MINI - SPLIT CASSETTE
	P-C	CEILING MOUNTED PROJECTOR
	M-C	CEILING MOUNTED MONITOR

PARTITION LEGEND

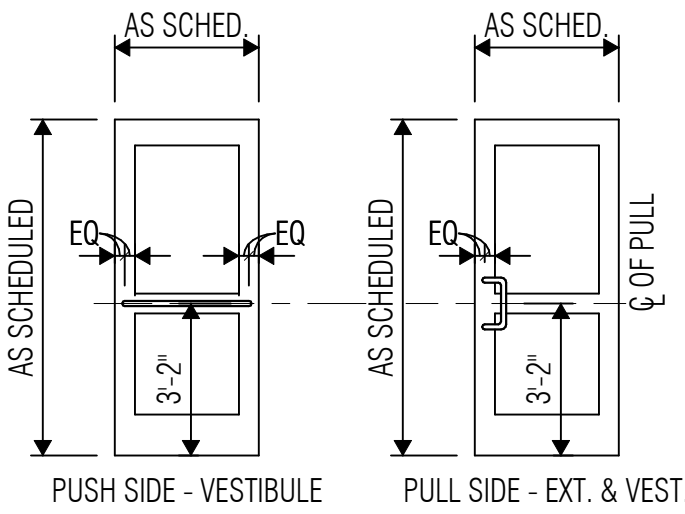
	1-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: "1-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS". Brace partitions per Floor Plan General Notes.
	2-HOUR FIRE BARRIER PARTITION. Extend partition to deck above and seal with firestopping sealant as required for fire-resistance requirements. Paint stenciled label on partitions above ceiling at 15'-0" o.c. as follows: "2-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS". Brace partitions per Floor Plan General Notes.
	SMOKE PARTITION. Extend partition to deck above and seal with sealant as required to resist the passage of smoke. Seal all joints and penetrations. Brace partitions per Floor Plan General Notes.
	ACOUSTICAL DRYWALL PARTITION / SOUND- CONDITIONED CMU PARTITION. Extend partition to deck above and seal with acoustical sealant. Seal all joints and penetrations with acoustical sealant. Brace partitions per Floor Plan General Notes.
	NON-RATED PARTITION TO DECK. Extend partition to deck above. Brace partitions per Floor Plan General Notes.



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

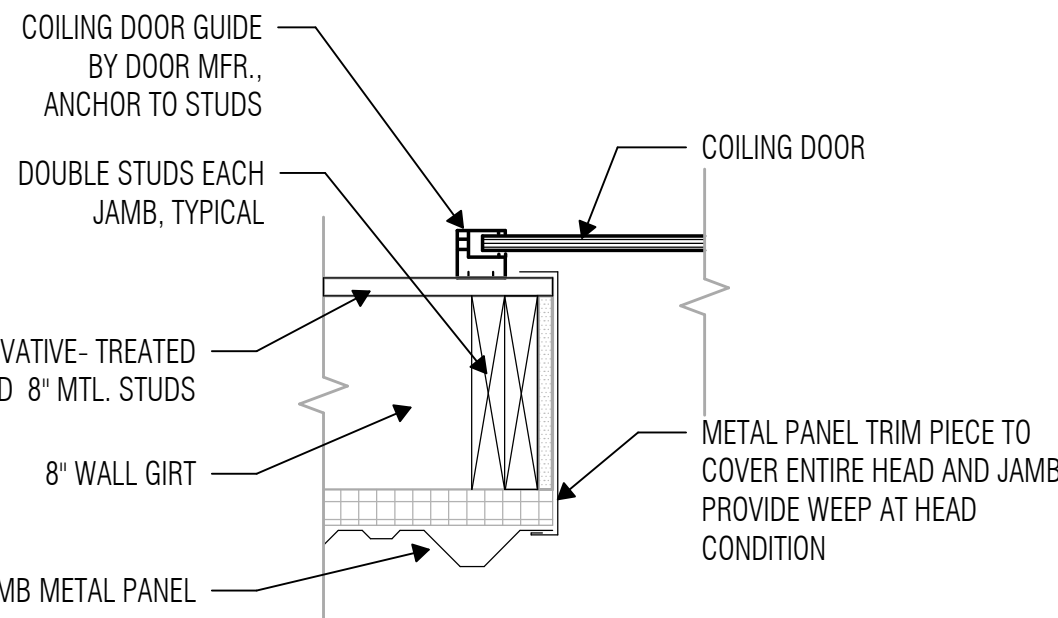


DOOR SCHEDULE												
DOOR	DOOR TYPE	FRAME TYPE	DOOR OPENING		DETAIL - REF. A7.11 U.N.O.			FIRE RATING	HDWR SET	KEYED NOTES	REMARKS	AAOS Shared HW Set
			WIDTH	HEIGHT	HEAD	JAMB	SILL					
A101	E	--	3'-0"	7'-0"	--	3/A4.33	12/A7.21			9, 10	REFER TO STOREFRONT ELEVATION SAB	1.0
A102	D	4	3'-0"	7'-0"	13/A7.01	14/A7.01	15/A7.01		HM.3F.M	10, 11	HARDWARE TO INCLUDE WEATHERSTRIPPING	5.0
A103	E	--	3'-0"	7'-0"	10/A7.21	7/A7.21	9/A7.21			--	REFER TO STOREFRONT ELEVATION SAD	10.0
A104	C	1	3'-0"	7'-0"	9/A7.01	10/A7.01	15/A7.01		HM.3F.M	--		10.0
A105	D	4	3'-0"	7'-0"	13/A7.01	14/A7.01	15/A7.01		HM.3F.M	9, 10, 11	HARDWARE TO INCLUDE WEATHERSTRIPPING	6.0
A106	C	1	3'-0"	7'-0"	13/A7.01	14/A7.01	15/A7.01		HM.3F.M	--		10.0
A107	A	1	3'-0"	7'-0"	13/A7.01	14/A7.01	15/A7.01		HM.3F.M	--		11.0
A108	A	1	3'-0"	7'-0"	13/A7.01	14/A7.01	15/A7.01		HM.3F.M	--		11.0
A109	C	1	3'-0"	7'-0"	13/A7.01	14/A7.01	15/A7.01		HM.3F.M	--		13.0
A110A	D	3	3'-0"	7'-0"	11/A7.01	12/A7.01	15/A7.01		HM.3F.M	--		8.0
A110B	P2	--	10'-2"	9'-9 3/8"	5/A7.01	6/A7.01	20/A7.01			--		14.0
A111	A	2	4'-0"	7'-0"	17/A7.01	18/A7.01	15/A7.01		HM.3F.M	--		12.0
A112A	B	1	4'-0"	7'-0"	7/A7.01	8/A7.01	12/A7.21		HM.3F.M	9, 10		4.0
A112B	P1	--	10'-0"	9'-9 3/8"	3/A7.01	4/A7.01	12/A7.01			--		14.0
A112C	P1	--	10'-0"	9'-9 3/8"	3/A7.01	4/A7.01	12/A7.01			--		14.0
A112D	B	1	3'-0"	7'-0"	7/A7.01	8/A7.01	12/A7.21		HM.3F.M	9, 10		4.0
A113A	B	1	3'-0"	7'-0"	7/A7.01	8/A7.01	12/A7.21		HM.3F.M	--		2.0
A113B	P1	--	10'-0"	9'-9 3/8"	5/A7.01	3/A7.01	12/A7.21			--		14.0
A113C	P1	--	10'-0"	9'-9 3/8"	3/A7.01	4/A7.01	12/A7.21			--		14.0
A114	B	4	3'-0"	7'-0"	13/A7.01	14/A7.01	15/A7.01		HM.3F.M	--		9.0
A115	B	4	3'-0"	7'-0"	13/A7.01	14/A7.01	15/A7.01		HM.3F.M	11	HARDWARE TO INCLUDE WEATHERSTRIPPING	11.0
A116	B	4	3'-0"	7'-0"	13/A7.01	14/A7.01	15/A7.01		HM.3F.M	9, 10		7.0
A117	B	1	3'-0"	7'-0"	7/A7.01	8/A7.01	12/A7.21		HM.3F.M	10		2.0
A118	A	3	3'-0"	7'-0"	13/A7.01	14/A7.01	15/A7.01	45 Min	HM.3F.M	10		3.0



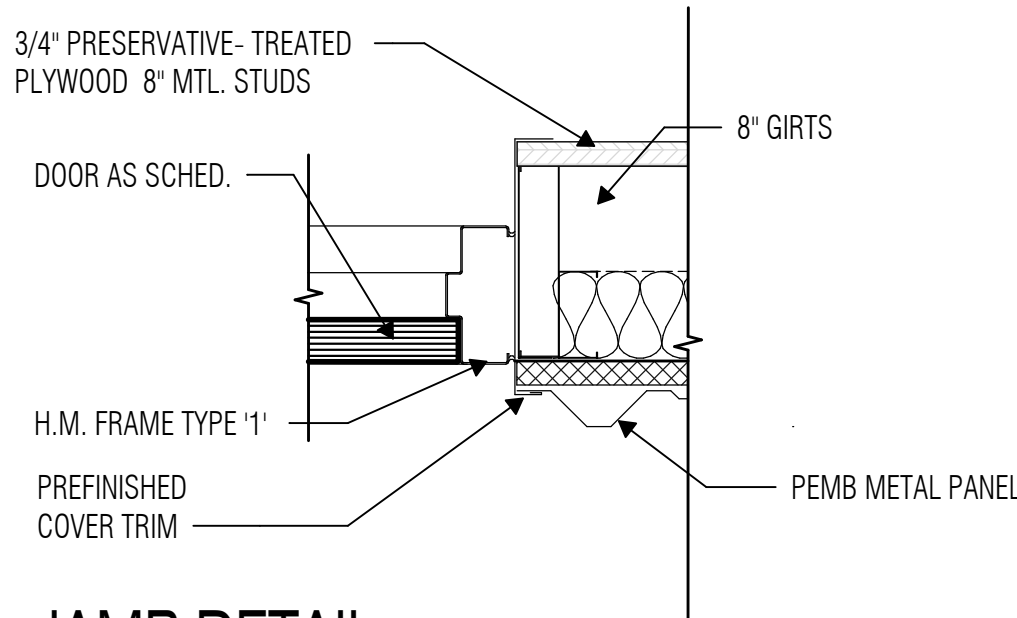
1 PUSH/ PULL HEIGHTS

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



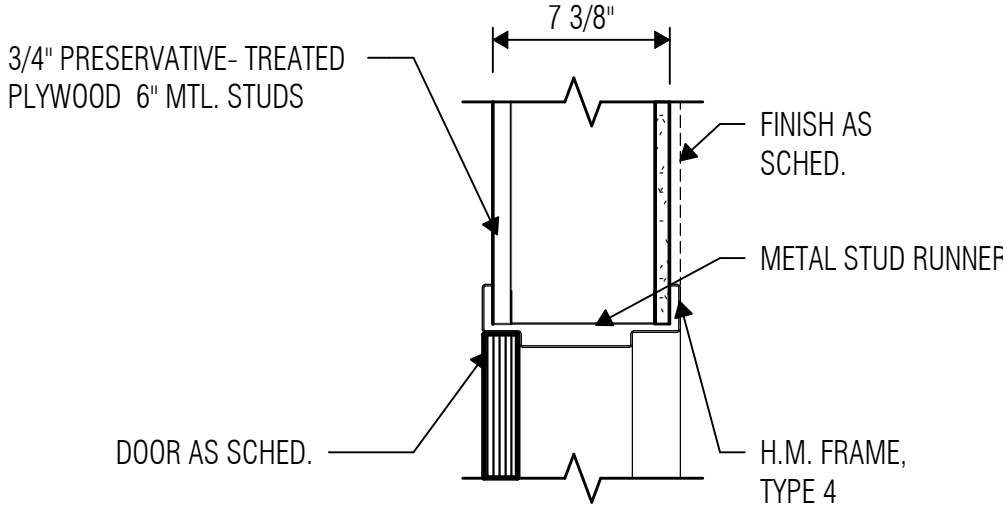
4 JAMB DETAIL - EXTERIOR COILING DOOR

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



8 JAMB DETAIL

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

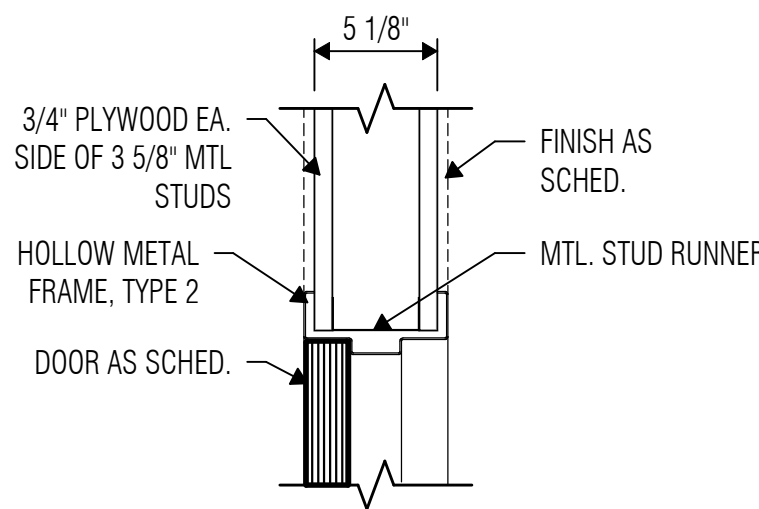


7 HEAD DETAIL

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

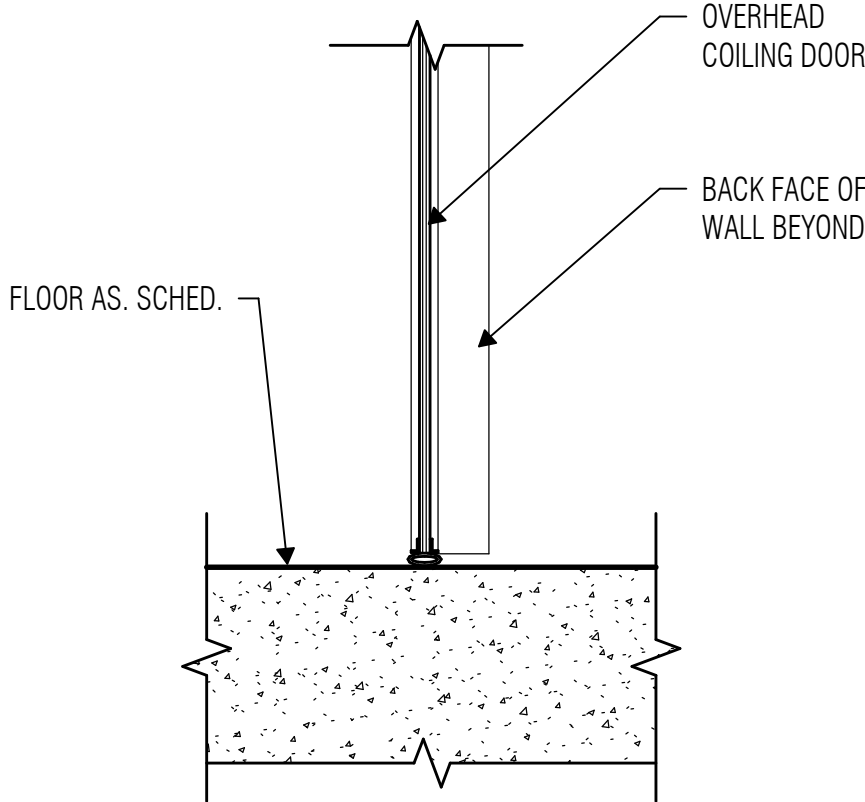
13 HEAD DETAIL - PLYWOOD ON 6" MTL. STUD

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



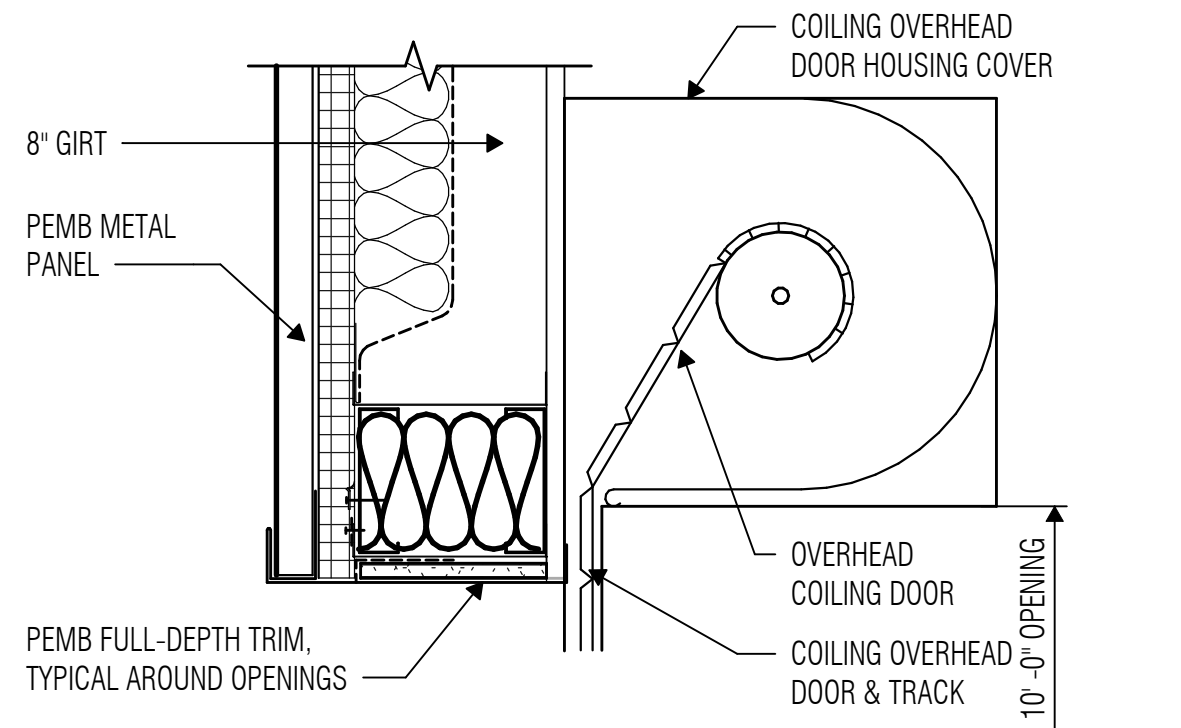
17 HEAD DETAIL - PLYWOOD @ 3 5/8" MTL. STUD

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



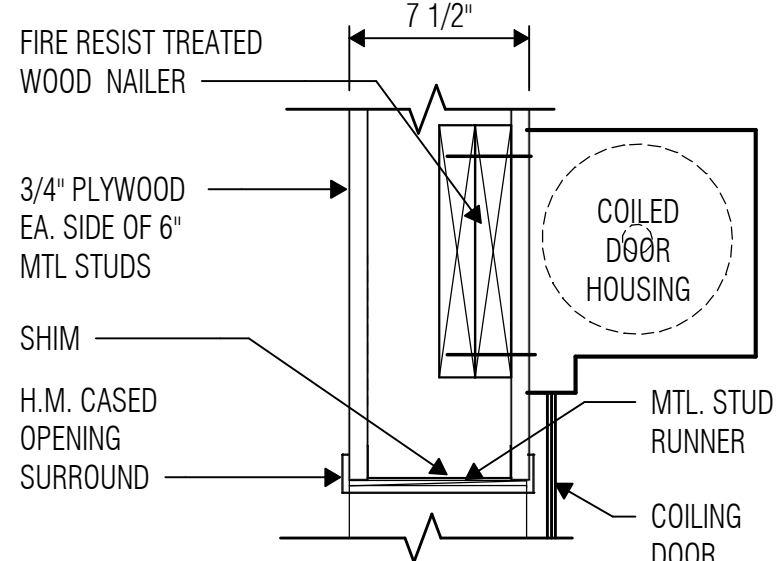
20 SILL DETAIL O.H. DOOR at INT

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



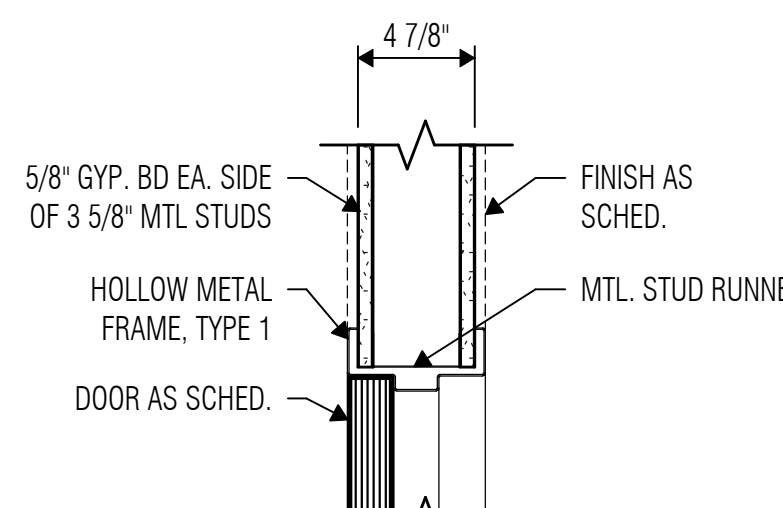
3 HEAD DETAIL - EXTERIOR COILING DOOR

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



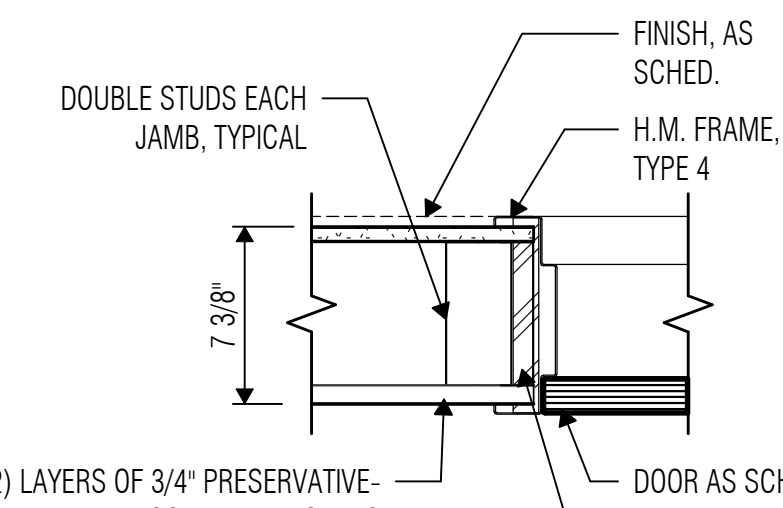
5 HEAD DETAIL COILING DOOR

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



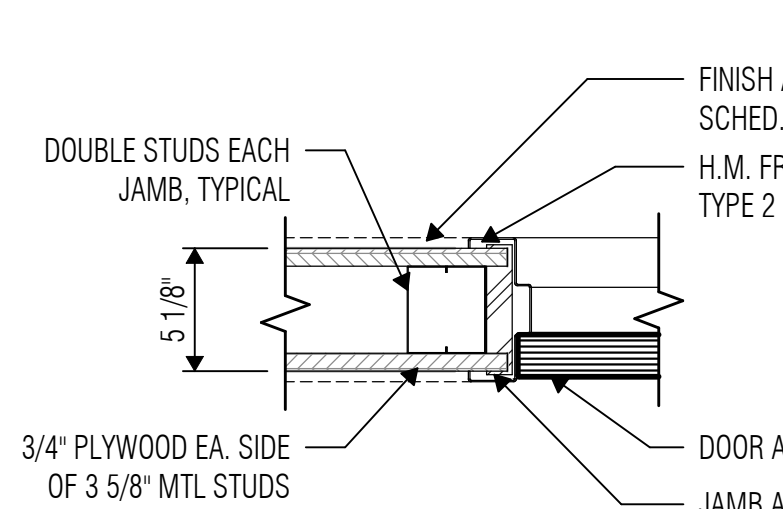
9 HEAD DETAIL - GYP @ 3 5/8" MTL. STUD

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



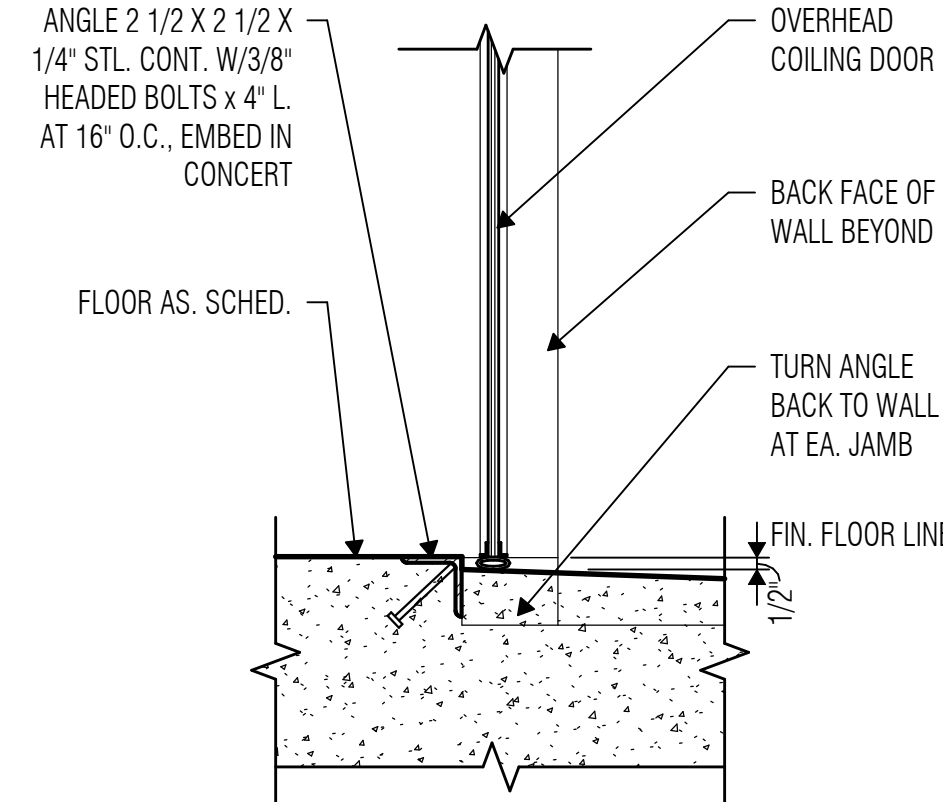
14 JAMB DETAIL - PLYWOOD ON 6" MTL. STUD

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



18 JAMB DETAIL - PLYWOOD @ 3 5/8" MTL. STUD

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



21 SILL DETAIL O.H. DOOR at EXT. LOADING DOCK

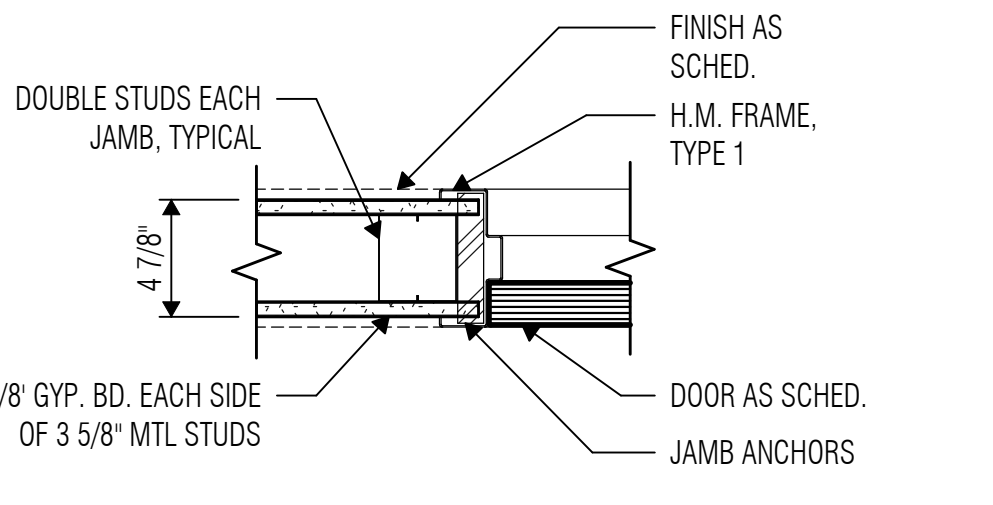
SCALE: 1 1/2" = 1'-0"

## DOOR SCHEDULE NOTES

- At Doors marked "SMK", provide smoke seals at frame and door bottom to resist the passage of smoke. Provide threshold if required by code or if necessary for proper function of door bottom seal.
- At Doors marked "SND", frames to be stuffed with mineral fiber insulation prior to installation and the perimeter of the frame sealed to the surrounding wall with non-hardening acoustical sealant on both sides of the partition. Threshold, where used, shall be sealed to the floor with acoustical sealant.
- At Doors without a Frame Type designation, the door frame is part of a Glazing System, Sound-Control Door Assembly, Tornado-Resistant Door Assembly, etc.
- At Doors with a Frame Type designation "AL", the door frame is an interior aluminum frame that is not part of a glazing system.
- At Doors with a Frame Type designation "N/A", there is no door frame required (e.g. all-glass doors, gates, etc.).
- At Doors with a Frame Type designation "REF DET", refer to the referenced Head and Jamb detail for frame information.
- At Doors with a Door Type or Frame Type designation "EX", the door or door frame is existing to remain.
- Refer to Hardware Schedule for additional information regarding hardware.
- Vision panels at non-rated interior doors shall be 1/4" clear tempered glass (CT4) U.N.O. Vision panels at interior fire-rated glass (CC4) U.N.O. Vision panels at exterior doors shall be 1" tinted tempered insulating glass (TT1) U.N.O.
- Refer to Glazing System Elevation Sheets for Glass Types.
- Refer to Sheet A4.33 for additional typical details

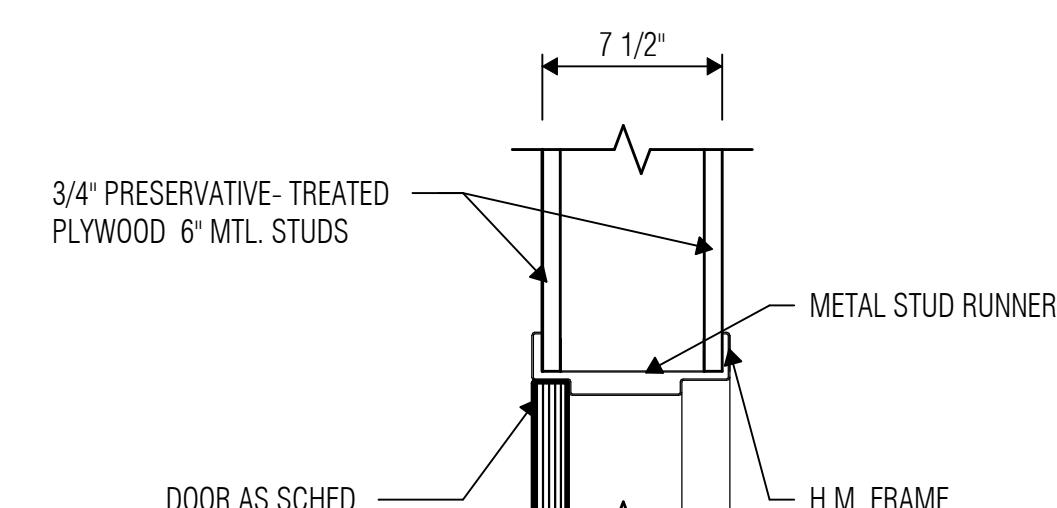
## DOOR KEYED NOTES

KEY NUMBER	KEYED NOTES
1	CASSED OPENING
2	DOUBLE EGRESS DOORS
3	FIRE-RATED WIRED GLASS
4	FIRE-RATED CERAMIC GLASS
5	KEYED REMOVABLE MULLION
6	ELECTROMAGNETIC HOLD-OPEN
7	MANUAL HOLD-OPEN, FLOOR MOUNTED
8	MANUAL HOLD-OPEN, OVERHEAD
9	ACCESS CONTROL / CARD READER
10	DOOR POSITION SWITCH
11	APPLIED SOUND SEALS & THRESHOLD



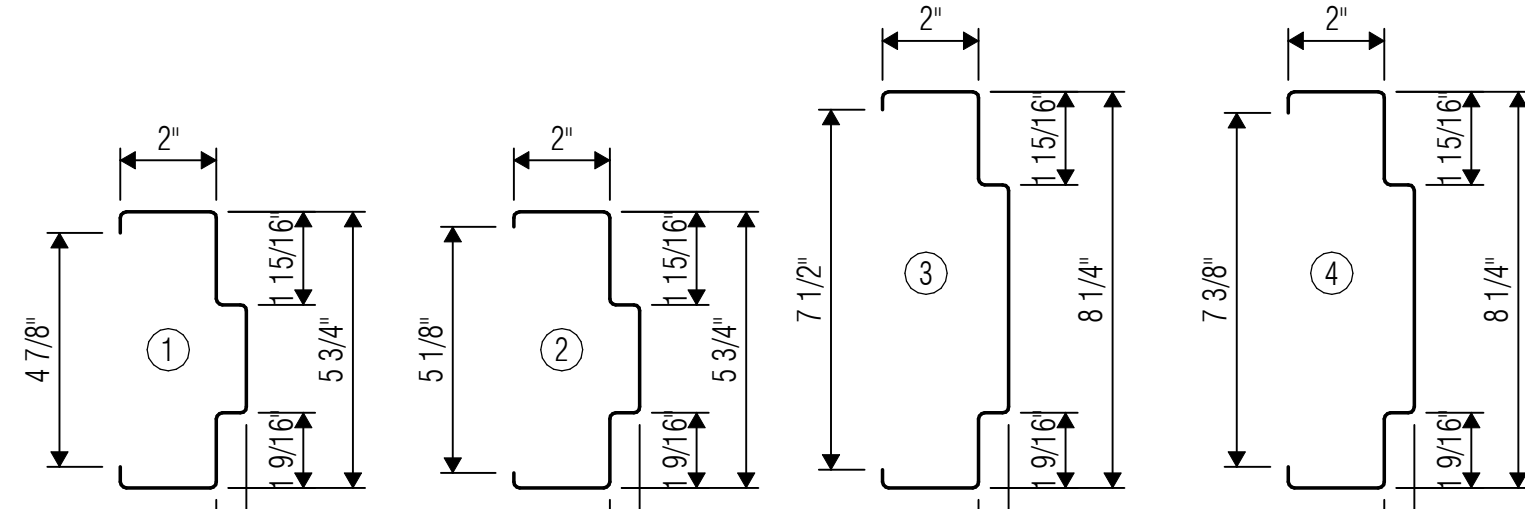
6 JAMB DETAIL - INTERIOR COILING DOOR

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



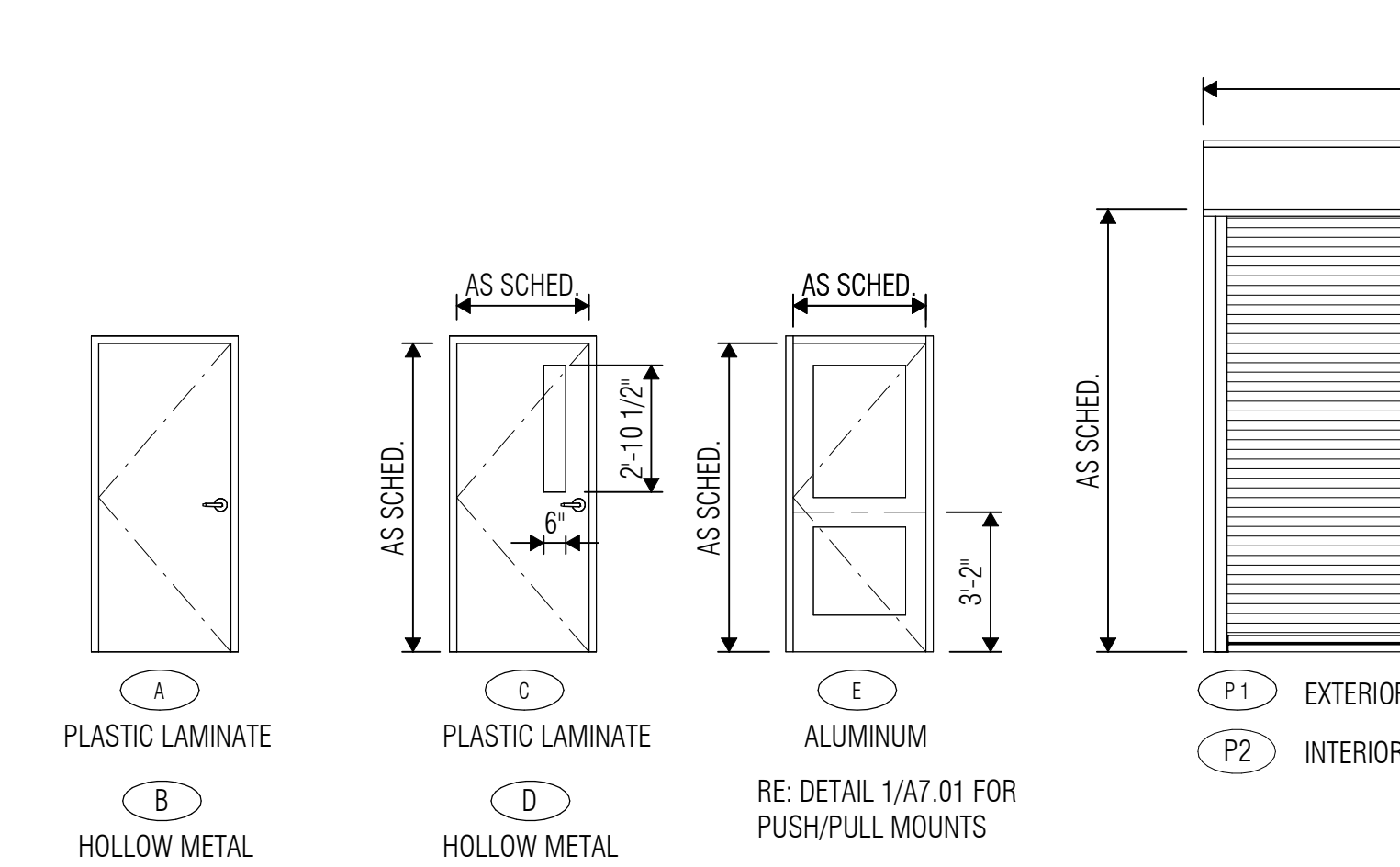
11 HEAD DETAIL - PLY ON BOTH SIDES 6" STUD

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



16 HOLLOW METAL FRAME TYPES

SCALE: 3" = 1'-0"



19 DOOR TYPES

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



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05/30/2025

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## REVISIONS

Revision No.	Revision Date
1 Addendum 01	05/23/2025

Director LB  
Designer LH  
Proj. Arch. LH  
Drawn By MO  
Quality Control

## PROJECT NO.

24-103.00

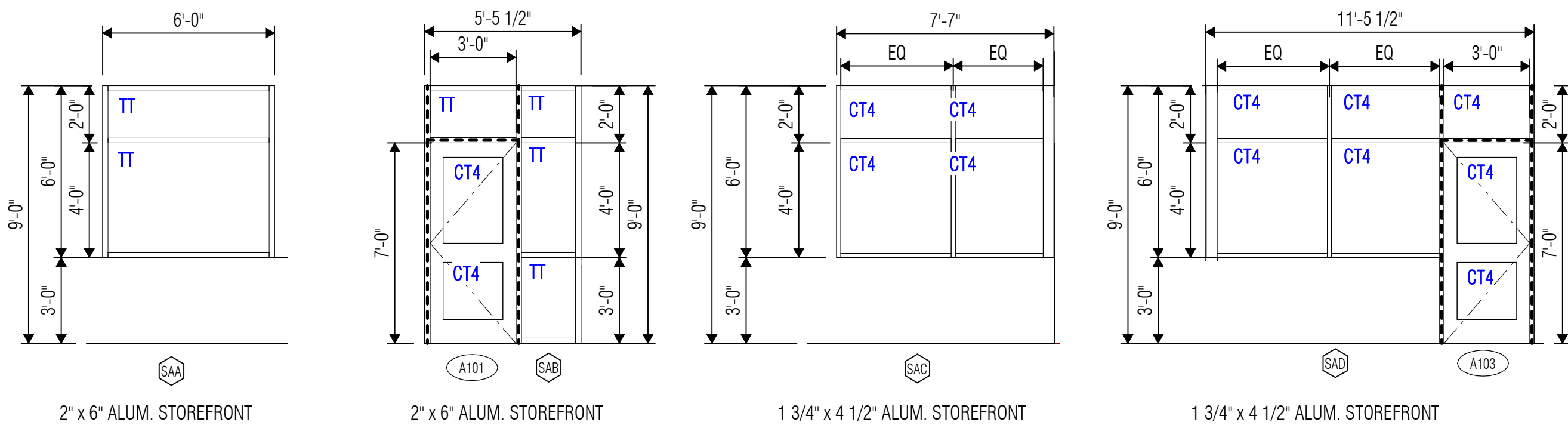
## SHEET TITLE

DOOR SCHEDULE

## SHEET NO.

A7.01





1 ALUMINUM STOREFRONT ELEVATIONS  
SCALE: 1/4" = 1'-0"



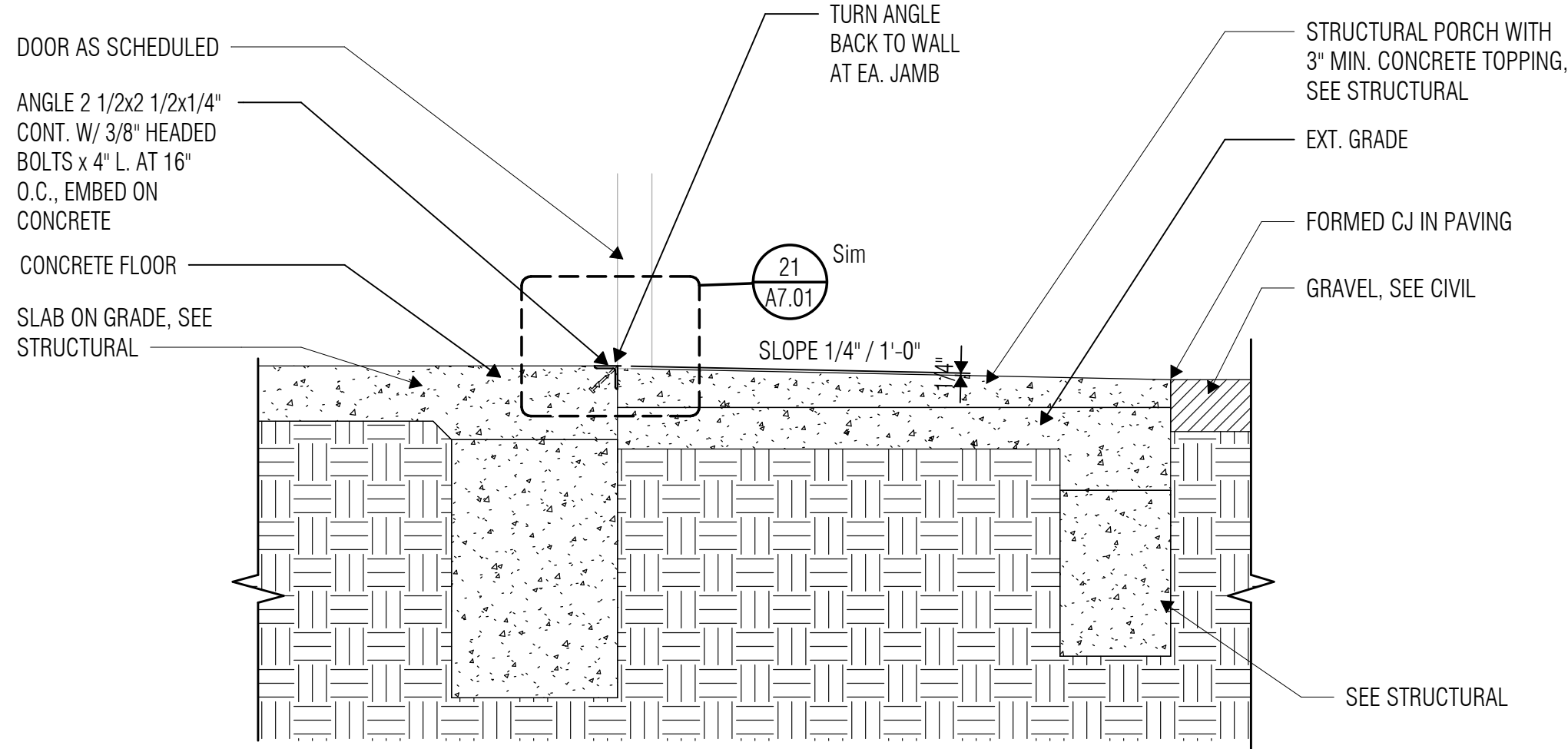
4 HEAD DETAIL  
SCALE: 1 1/2" = 1'-0"

7 JAMB DETAIL INTERIOR  
SCALE: 1 1/2" = 1'-0"

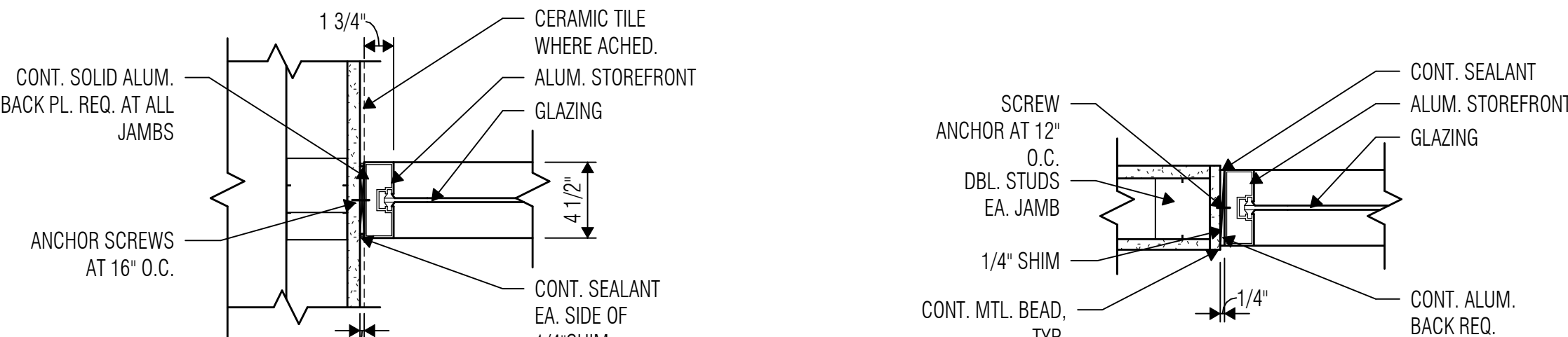


8 THRESHOLD DETAIL A EXT. DOOR  
SCALE: 1 1/2" = 1'-0"

9 THRESHOLD DETAIL A INT. DOOR  
SCALE: 1 1/2" = 1'-0"

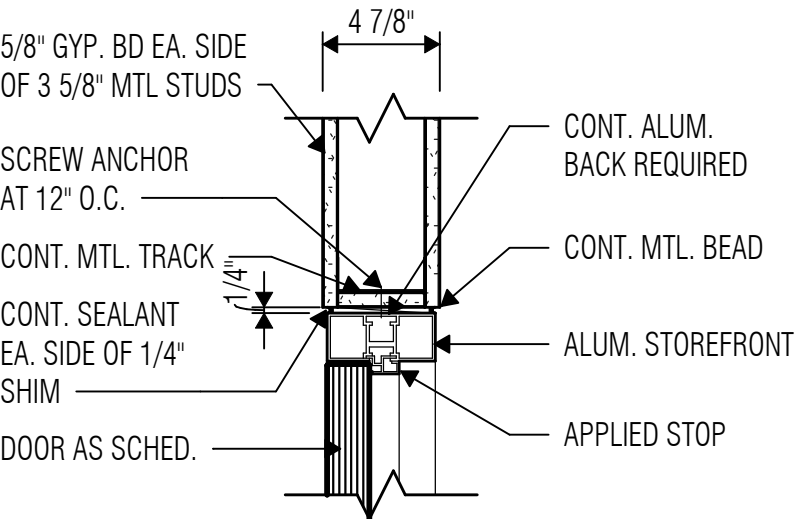


12 STRUCTURAL PORCH WITH CONCRETE TOPPING  
SCALE: 3/4" = 1'-0"



6 JAMB DETAIL INTERIOR  
SCALE: 1 1/2" = 1'-0"

7 JAMB DETAIL INTERIOR  
SCALE: 1 1/2" = 1'-0"



10 HEAD DETAIL - INTERIOR DOOR  
SCALE: 1 1/2" = 1'-0"

## GLAZING SYSTEM NOTES

- Overall dimensions of glazing system elevations reflect rough opening dimensions, inclusive of perimeter joints.
- Provide 3/16" thick heavy wall framing members at all door frames in exterior and interior aluminum Storefront systems.
- Provide 3/16" thick heavy wall door adapters at all door frame members in exterior and interior aluminum Curtain Wall systems.
- Door opening dimensions in Curtain Wall systems reflect 1" door adapters at jamb conditions, and 1-3/4" door adapters at head conditions. Adjust dimensions between multilions at door openings in curtain wall systems as required for actual size of door adapters provided. Door sizes as identified in Door Schedule shall be maintained.
- Refer to 1/A7.01 for Typical Push/Pull Mounting Heights Detail for aluminum/glass doors
- Refer to Sheet A4.33 for additional typical details

## GLASS TYPE LEGEND

TT	TINTED, TEMPERED, 1" GLASS
CT4	CLEAR, TEMPERED, 1/4" GLASS

## GLAZING SYSTEM LEGEND

- STOREFRONT FRAMING WITH 3/16" THICK HEAVY WALL MATERIAL. TYPICAL AT ALL DOOR FRAME MEMBERS IN STOREFRONT GLAZING SYSTEMS.
- CURTAIN WALL FRAMING WITH STEEL REINFORCING PROVIDED BY MANUFACTURER.



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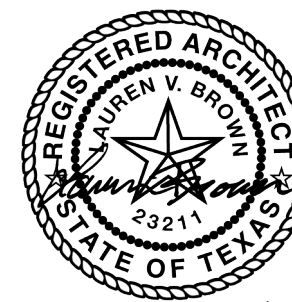
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05/30/2025

ISSUED: May 30, 2025

## REVISIONS

Revision No.	Revision Date
--------------	---------------

Director	Drawn By
LB	MO
Designer	Quality Control
Designer	
Proj. Arch.	
LH	

## PROJECT NO.

24-103.00

## SHEET TITLE

GLAZING ASSEMBLY  
ELEVATIONS

## SHEET NO.

A7.21



MATERIAL FINISH SCHEDULE							
MARK	NOTE: ALL MATERIALS, PRODUCTS, SIZES, COLORS AND PATTERNS ARE THE BASIS OF DESIGN. REFERENCE PROJECT MANUAL FOR ADDITIONAL APPROVED MANUFACTURERS MEETING THE DESIGN INTENT. SUBSTITUTIONS WILL BE CONSIDERED WHEN SUBMITTED IN COMPLIANCE WITH SECTION 01 82 00 – PRODUCT OPTIONS.						
	DESCRIPTION	SPEC SECTION	MANUFACTURER INFO			SIZE	COMMENTS
EXTERIOR FINISH							
CS-1	Cast Stone	04 72 00	Advanced Architectural Stone	Smooth Texture	Natural Limestone	5" x 5 5/8"	*Refer 1/A4.33
MG	Metal Gutter	13 34 19	Chief Buildings	Standard Finish	FS Fieldstone		
MRP	Metal Roof Panel	13 34 19	Chief Buildings	Standard Finish	FS Fieldstone		
MWP	Metal - Wall Panel	13 34 19	Chief Buildings	Standard Finish	FS Fieldstone		
SF	Storefront	08 41 13	As Specified	Standard Finish	Clear Anodized		
ST	Stone Veneer	04 43 00	Acme, Brookstone	Natural Stone, Limestone	Cavern Limestone	Varies	
.FLOOR FINISH							
CO	Concrete - Sealed	03 30 00	As Specified	As Specified	---		
BASE FINISH							
RB	Rubber Base	09 65 00	Roppe	Pinnacle - Coved	193 Black Brown	4" high roll	At all gypsum board and FRP partitions
CEILING FINISH							
ACT	Acoustic Ceiling Tile (24x24) with Sound Batts Above	09 51 00	As Specified				
EXP	Exposed Structure - Painted	09 91 00	As Specified	As Specified	Paint PT-01		
GB	Gypsum Wall Board	09 21 16	As Specified	As Specified	Paint PT-01		
PAINT FINISH							
PT-01	Paint - Typical	09 91 00	Sherwin Williams	As Specified	SW7653 Silverpointe (239-C1)		
PT-02	Paint - Hollow Metal	09 91 00	Sherwin Williams	As Specified	SW7069 Iron Ore (251-C7)		Hollow Metal doors and frames
SURFACE FINISH							
CG-1	Corner Guard	10 26 13	As Specified	90 Degree	Stainless Steel	1/2" Wide Legs	Full height, top of base to ceiling. At storefront, run CG from top of base to storefront sill
HPL	Plastic Laminate - HPL	06 40 00/ 12 32 16	Formica	HPL, -58 Matte Texture	5883-58 Pecan Woodline		Cabinets
SLD-01	Solid Surface - Window Sill	06 40 00	Corian	Concrete Series	Carbon Concrete	1/2" Thick	Window Sills
SLD-02	Solid Surface - Countertop	06 40 00	Corian	Aggregate Series	Carbon Aggregate	1/2" Thick	Countertop and Backsplash, Miter outside corners
TR-01	Solid Surface - Threshold	06 40 00	Grifforn Industries	TT2	Corian, Carbon Concrete	1/2" Thick	Toilet Door Threshold, Typical
WALL FINISH							
FRP	Sanitary Wall Panel (FRP)	09 72 21	Marlite	Pebbled Texture	P151 Light Grey		
PLYWD	Plywood Panel - Marine-Grade	06 10 00	As Specified			3/4" Thick	Butt joints, Sand smooth exposed edges

ROOM FINISH SCHEDULE						
ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALL	CEILING FINISH	REMARKS
A101	ENTRY	CO	RB	PT-01	ACT	
A102	BREAK	CO	RB	PT-01	ACT	
A102	CORRIDOR	CO	RB	PT-01	ACT	
A103	REC.	CO	RB	PT-01	ACT	
A104	OFFICE	CO	RB	PT-01	ACT	
A105	OFFICE	CO	RB	PT-01	ACT	
A105	CUBICAL	CO	RB	PT-01	ACT	
A106	OFFICE	CO	RB	PT-01	ACT	
A107	TOILET	CO	RB	FRP	ACT	
A108	TOILET	CO	RB	FRP	ACT	
A109	CONFERENCE	CO	RB	PT-01	ACT	
A110	STORAGE	CO	---	PLYWD	EXP	
A111	RISER	CO	---	PLYWD	EXP	
A112	WAREHOUSE/WORK SHOPS	CO	RB/ ---	FRP/ PLYWD	EXP	RB & FRP at Shower / Sink Alcove - Refer 4/A2.31
A114	CUSTODIAL	CO	RB	FRP/ PT-01	ACT	FRP at Sink - Refer 2/A2.30
A115	TOILET	CO	RB	FRP	ACT/ PT-01	
A116	IDF	CO	---	PLYWD	EXP	
A117	MECH.	CO	---	PLYWD	EXP	
A118	ELECT.	CO	---	PLYWD	EXP	

FINISH SCHEDULE NOTES	
A.	<b>General Finish Notes</b> 1. Any finish conflict between finish schedules and finish floor plans to be brought to the architect's attention for resolution. 2. Expansion joints shall be continuous through all finish materials.
B.	<b>Interior Surfaces</b> 1. Typical Casework/Millwork cabinet body, doors, and drawer fronts shall be HPL, unless noted otherwise. 2. Provide RB base at all casework/millwork 3. Countertops shall be SLD-02. 4. Window Sills shall be SLD-01. 5. Electrical / Data Outlets and Switches shall be gray devices with stainless steel cover plate.
C.	<b>Ceiling Finishes</b> 1. Refer to Reflected Ceiling Plans for scheduled finish. 2. Except as noted, at ceilings with exposed structure, all exposed elements shall be painted PT-01, including mechanical ductwork, electrical, piping, conduit, J-boxes, etc. All elements shall be run and oriented orthogonally to the architecture.
	3. All interior gyp. bd. ceilings to be painted PT-01, unless noted otherwise. 4. Provide sound batts continuous over lay-in ceiling tiles and light fixtures.
D.	<b>Floor Finishes</b> 1. All toilets and other areas capable of water mitigation shall have a 2" x ½" solid surface threshold with double bevel edge. The thresholds shall be held in place with thin set. 2. Hold wall finish, including plywood, FRP, and gyp bd, off foundation 1/4" - 3/8" Provide sealant between flooring and wall finish.
E.	<b>Base Finishes</b> 1. Provide RB rubber base at all gypsum board and FPR.
F.	<b>Wall Finishes</b> 1. Paint all exposed metal structure, as specified.
G.	<b>Paint Information:</b> 1. <b>Interior Paint</b> a. All interior gypsum board shall be painted PT-01, unless noted otherwise. 2. <b>Hollow Metal Doors and Windows:</b> a. Hollow metal doors and frames to be painted PT-02, unless noted otherwise. 3. <b>Interior Architectural Metal Elements:</b> a. All exposed metal shall be painted PT-01, unless noted otherwise.



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05/30/2025

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REVISIONS	
Revision No.	Revision Date

Director  
LB  
Designer  
Designer  
Proj. Arch.  
LH

Drawn By  
MO  
Quality Control

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MATERIAL FINISH SCHEDULES
SHEET NO.

A9.01







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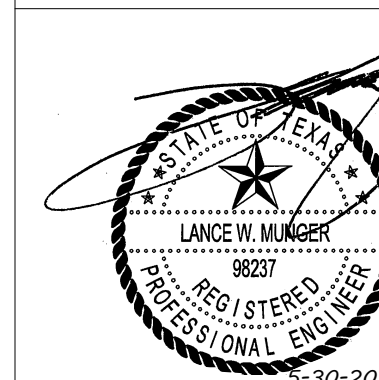
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# REVISIONS

Revision No.	Revision Date
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Director	Drawn By
Approver	Author
Designer	Quality Control
Designer	
Proj. Arch.	
Checker	

# PROJECT NO.

# SHEET TITLE

FOUNDATION PLAN

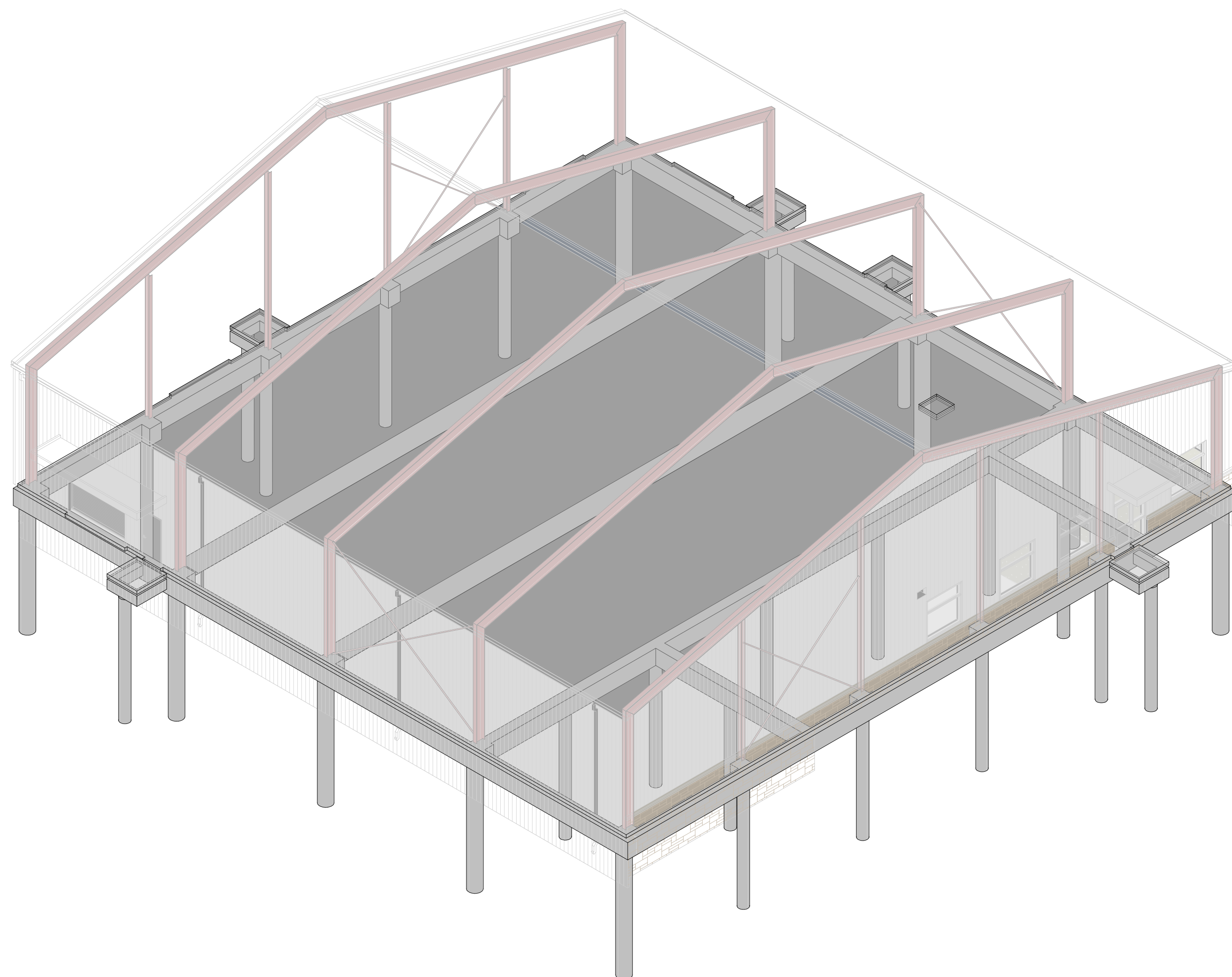
# SHEET NO.

S2.01

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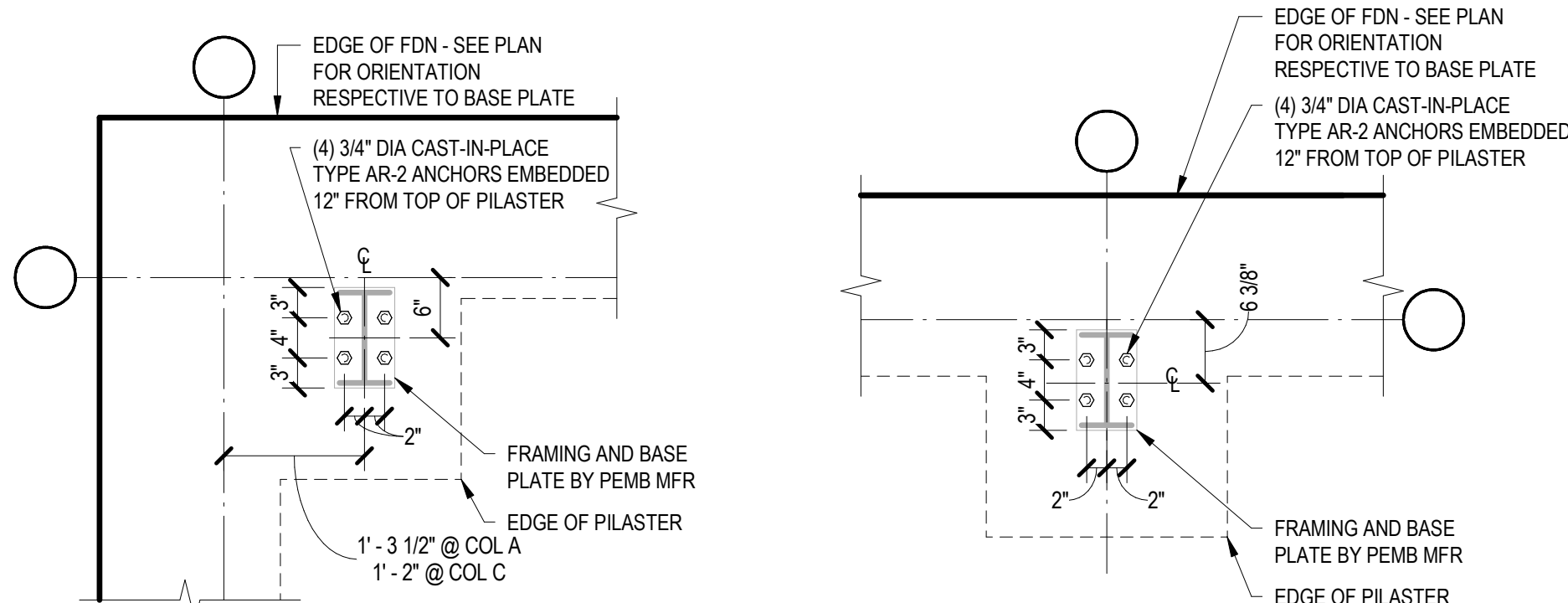
WHITE SETTLEMENT (SD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE



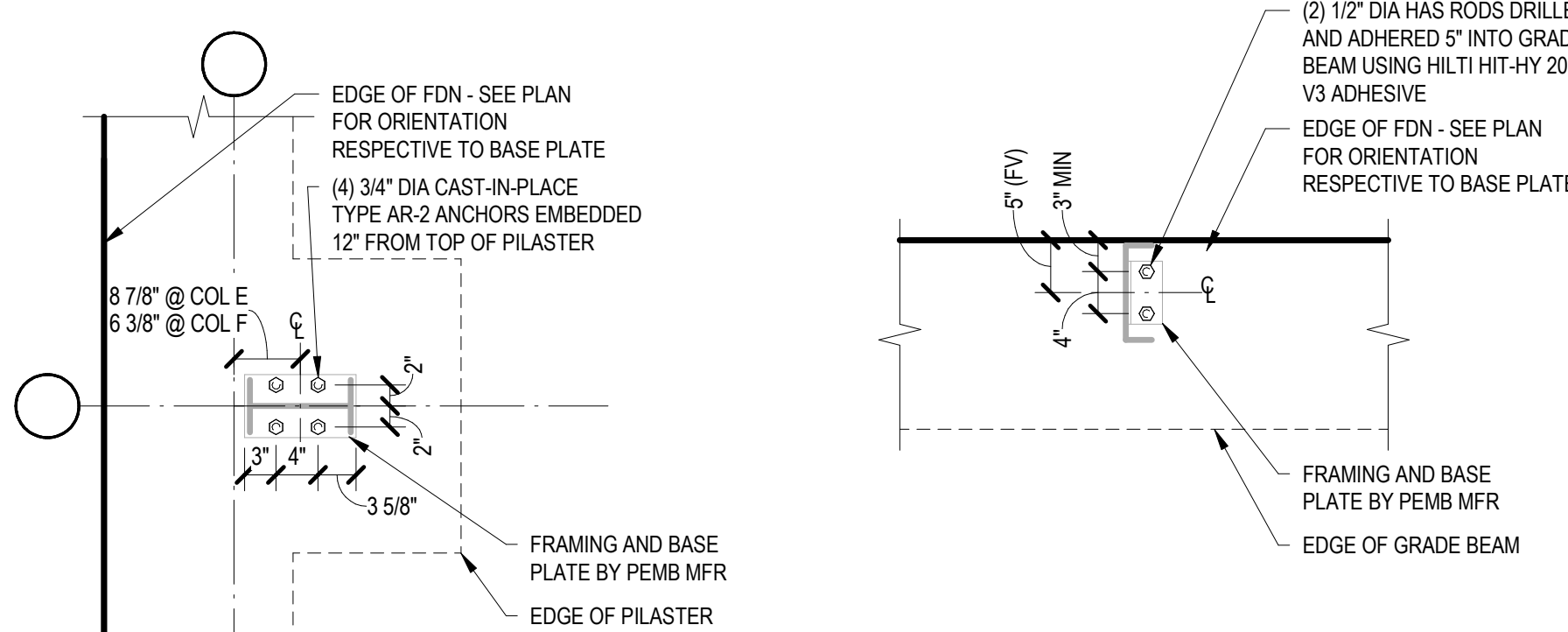
## 2 AXONOMETRIC VIEW - UNIT A OVERALL

3D VIEWS INCLUDED IN THE STRUCTURAL DRAWINGS ARE PROVIDED FOR REFERENCE ONLY AND DO NOT SUPERSEDE THE INFORMATION PRESENTED IN THE 2D PLANS AND DETAILS. PEMB COMPONENTS ARE PROVIDED FOR REFERENCE ONLY AND SHOULD BE VERIFIED WITH FINAL PEMB DRAWINGS.



PEMB COLUMNS A & C

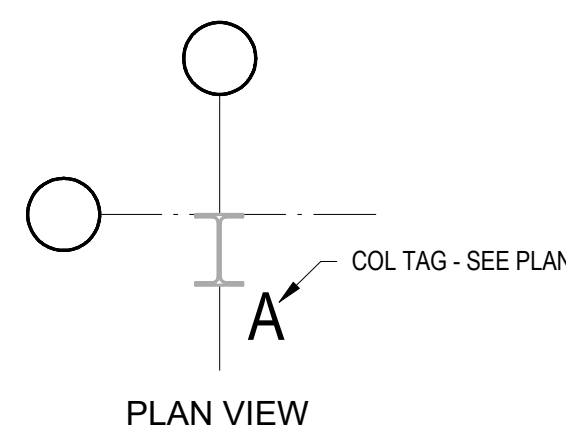
PEMB COLUMNS B & D



PEMB COLUMNS E & F

PEMB COLUMNS G & L

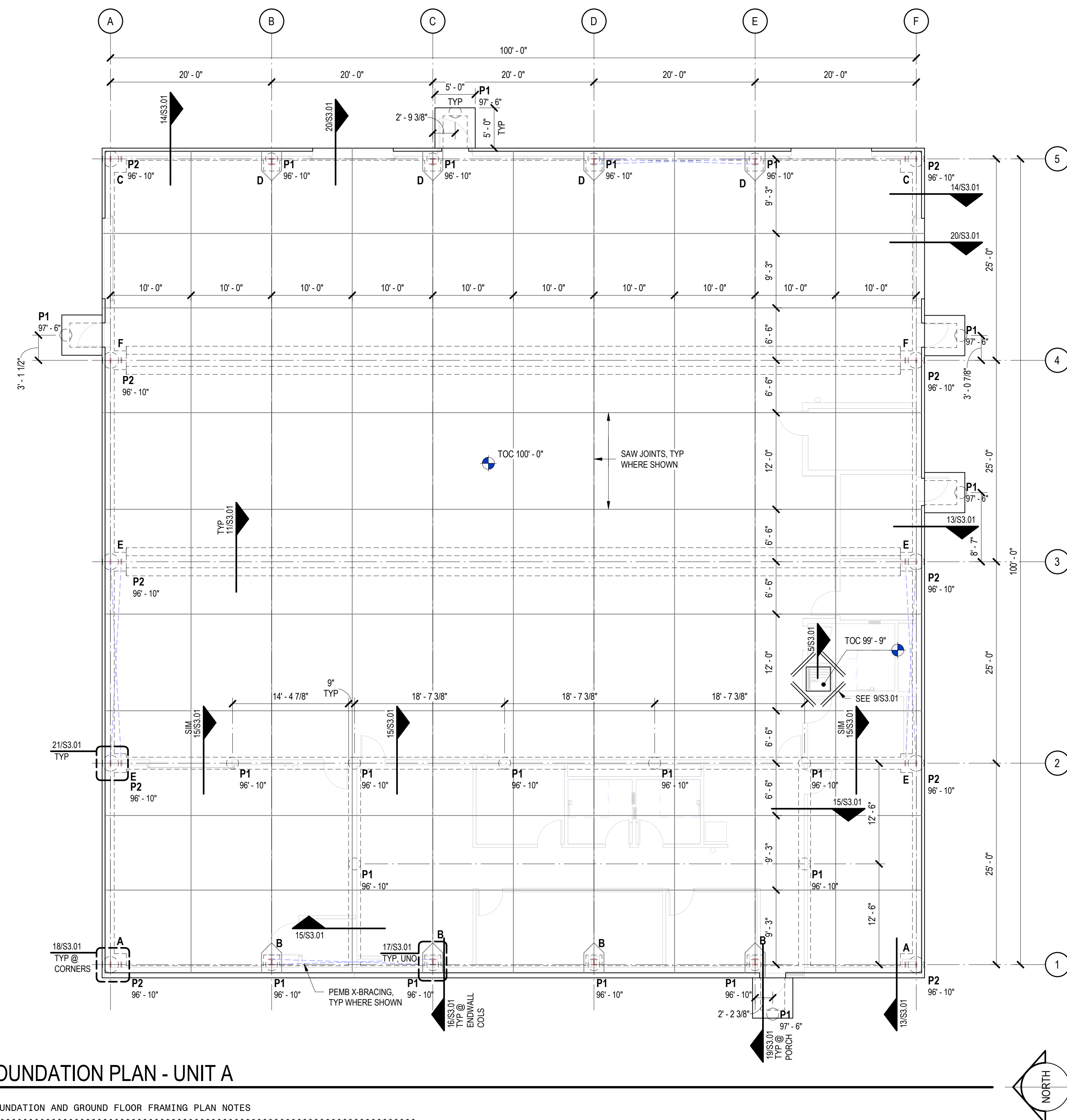
PRE-ENGINEERED METAL BUILDING ANCHOR BOLT NOTES:  
1. PROVIDED ANCHOR EMBEDMENT LENGTHS ARE MEASURED FROM TOP OF GRADE BEAMS AND PILASTERS WHERE TOP OF CONCRETE ELEVATION = 99'-2". ADD 8" TO PROVIDED ANCHOR EMBEDMENT LENGTHS IF MEASURING FROM TOP OF FINISHED SLAB (ELEVATION = 100'-0"). SEE 8/S3.01 FOR ADDITIONAL ANCHOR ROD INFORMATION.  
2. BASED ON PRELIMINARY PEMB MANUFACTURER (CHIEF BUILDINGS) DRAWINGS DATED 04/09/2025  
3. PEMB MANUFACTURER AND GC TO VERIFY ANCHOR BOLT PATTERNS PRIOR TO COLUMN BASE PLATE FABRICATION AND ANCHOR BOLT INSTALLATION.



PLAN VIEW

## 3 PRE-ENGINEERED METAL BUILDING - COLUMN ANCHOR BOLTS TYPICAL DETAIL

NO SCALE



## 1 FOUNDATION PLAN - UNIT A

1/8" = 1'-0"

### FOUNDATION AND GROUND FLOOR FRAMING PLAN NOTES

- SEE CIVIL AND ARCHITECTURAL DRAWINGS FOR LOCATION OF NEW BUILDING ON SITE PLAN.
- TOP OF CONCRETE INDICATED ON PLAN OR SECTIONS IS RELATIVE TO DATUM ELEVATION 100'-0" (LEVEL 1) UNLESS NOTED OTHERWISE. SEE GENERAL NOTES FOR MEAN SEA LEVEL ELEVATION.
- PIER MARKS ARE GIVEN ON PLAN WITH TOP OF PIER ELEVATION NOTED BELOW MARKS. SEE PIER SCHEDULE FOR ADDITIONAL INFORMATION.
- TYPICAL FLOOR SLAB IS A 6" THICK SLAB-ON-GRADE. REFER TO GENERAL NOTES AND TYPICAL DETAILS FOR REINFORCING AND ADDITIONAL SLAB INFORMATION.
- MAINTAIN CONSTANT SLAB THICKNESSES WHERE SLOPES TO DRAIN EXIST. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF SLOPES.
- REFER TO PROJECT SPECIFICATIONS FOR BUILDING PAD PREPARATION REQUIREMENTS.
- IF NEW FOUNDATION ELEMENTS ARE FOUND TO INTERFERE WITH EXISTING AND ACTIVE UTILITIES, NOTIFY AOR AND EOR IMMEDIATELY FOR REVIEW.
- SUBMIT FINAL, SEALED, PRE-ENGINEERED METAL BUILDING DRAWINGS AND CALCULATIONS (INCLUDING FOUNDATION REACTIONS) TO AOR AND EOR PRIOR TO CONSTRUCTION FOR VERIFICATION OF FOUNDATION DESIGN.
- SHEET INDEX:  
GENERAL NOTES -S1.01  
TYPICAL CONCRETE DETAILS -S3.01





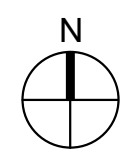
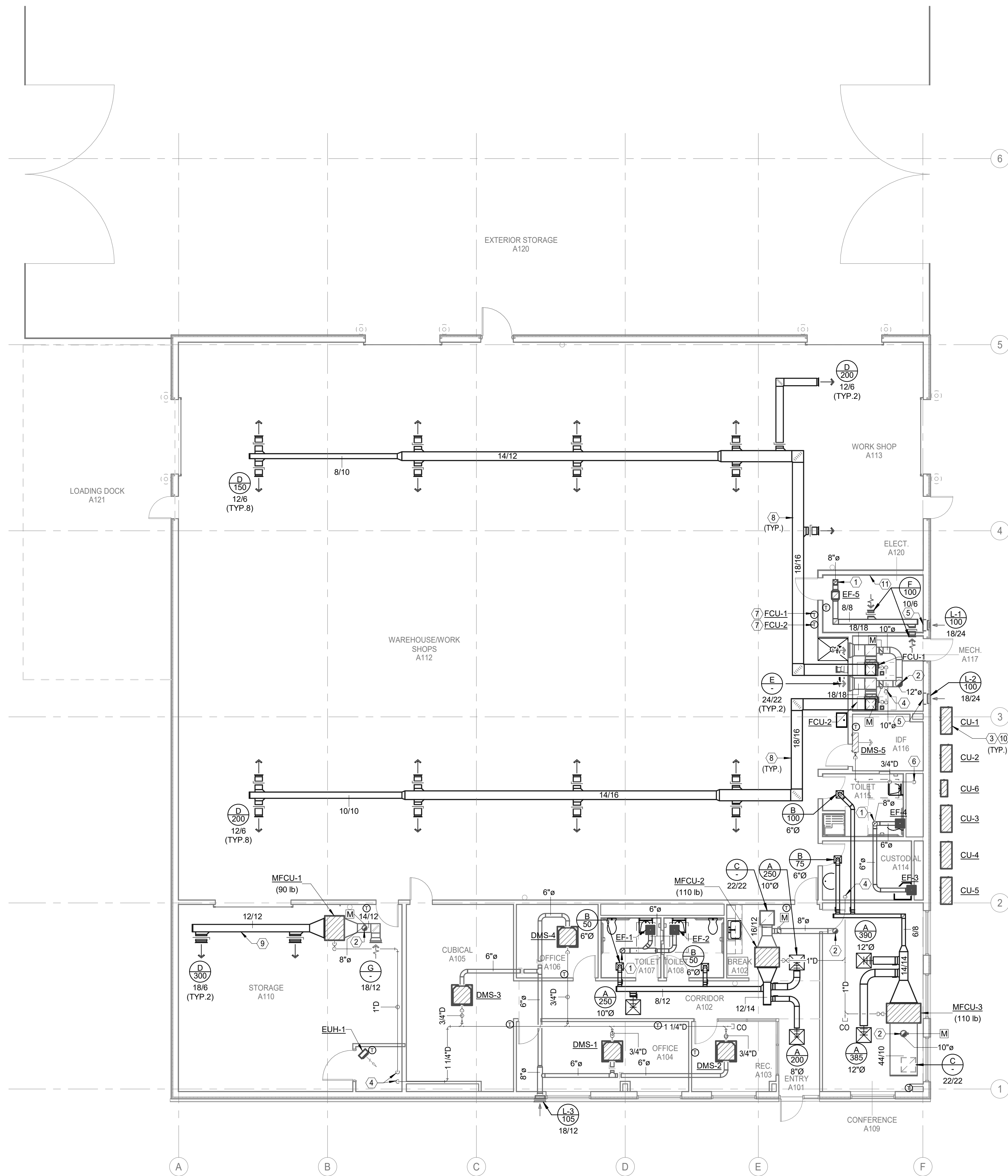


## MECHANICAL GENERAL NOTES

1. REFER TO HEATING, VENTILATION AND AIR CONDITIONING SPECIFICATIONS AND GENERAL CONDITIONS FOR ADDITIONAL REQUIREMENTS.
2. ALL DIFFUSERS AND CEILING GRILLES SHALL BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLANS. RE: GRILLE SCHEDULE ON SCHEDULE SHEET.
3. PROVIDE TURNING VANES IN ALL RECTANGULAR 90 DEGREE MITRED ELBOWS.
4. ALL DUCT SIZES SHOWN ARE INSIDE CLEAR. INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.
5. COORDINATE IN FIELD THE EXACT LOCATION OF ROOF MOUNTED EQUIPMENT WITH STRUCTURAL ENGINEER AND ROOFING CONTRACTOR.
6. SENSORS SHALL BE MOUNTED AT 48" A.F.F. (ABOVE FINISHED FLOOR) UNLESS OTHERWISE NOTED.
7. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
8. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
9. MECHANICAL CONTRACTOR SHALL MAINTAIN MINIMUM 10'-0" CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND ANY BUILDING EXHAUSTS OR VENTS ON THE ROOF.
10. MECHANICAL CONTRACTOR SHALL MAINTAIN MINIMUM 10'-0" CLEARANCE BETWEEN MECHANICAL EQUIPMENT AND ROOF EDGES.

## MECHANICAL KEYED NOTES

1. ROUTE EXHAUST DUCT UP THRU ROOF AND TERMINATE WITH WEATHERPROOF ROOF CAP.
2. ROUTE OUTSIDE AIR DUCT UP THRU ROOF AND TERMINATE WITH WEATHERPROOF ROOF CAP.
3. PROVIDE UNIT WITH CONCRETE HOUSEKEEPING PAD. RE: SPECIFICATIONS FOR MORE INFORMATION.
4. CONDENSATE DRAIN PIPING DOWN TO APPROVED INDIRECT WASTE RECEPTOR. RE: PLUMBING DRAWINGS FOR DRAIN LOCATION.
5. COVER OPENING WITH 1/4" HARDWARE CLOTH.
6. CONDENSATE DRAIN PIPING DOWN TO SINK/LAVATORY TAILPIECE. RE: PLUMBING DRAWINGS FOR DRAIN LOCATION.
7. PROVIDE THERMOSTAT WITH NON-LOCKABLE PLASTIC GUARD.
8. EXPOSED DUCT SHALL BE DOUBLE-WALL LINED ACoustICAL DUCTWORK WITH PAINT GRIP FINISH. COORDINATE PAINTING REQUIREMENTS WITH ARCHITECT. RE: SPECIFICATIONS FOR MORE INFORMATION.
9. EXPOSED DUCTWORK TO BE DOUBLE WALL INTERNALLY LINED.
10. EXTERIOR PIPING SHALL BE INSULATED AND JACKETED PER SPECIFICATIONS.
11. PROPOSED LOCATION OF BMCS PANEL. COORDINATE WITH ELECTRICAL CONTRACTOR.



1

## MECHANICAL PLAN - LEVEL 1 - UNIT A

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

Issued For Permit



ISSUED: May 30, 2025

## REVISIONS

Revision No. Revision Date

Director  
Approver  
Designer  
Proj. Arch.  
Checker

Drawn By  
Author  
Quality Control  
Checker

PROJECT NO.

24-103.00

SHEET TITLE

WAREHOUSE -  
MECHANICAL PLAN - UNIT  
A

SHEET NO.

M3.11





ARCHITECT

WHITE SETTLEMENT (SD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE

Issued For Permit



ISSUED: May 30, 2025

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PROJECT NO.

24-103.00

SHEET TITLE

WAREHOUSE -  
MECHANICAL PLAN - UNIT  
A - ROOF

SHEET NO.

M3.21

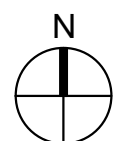
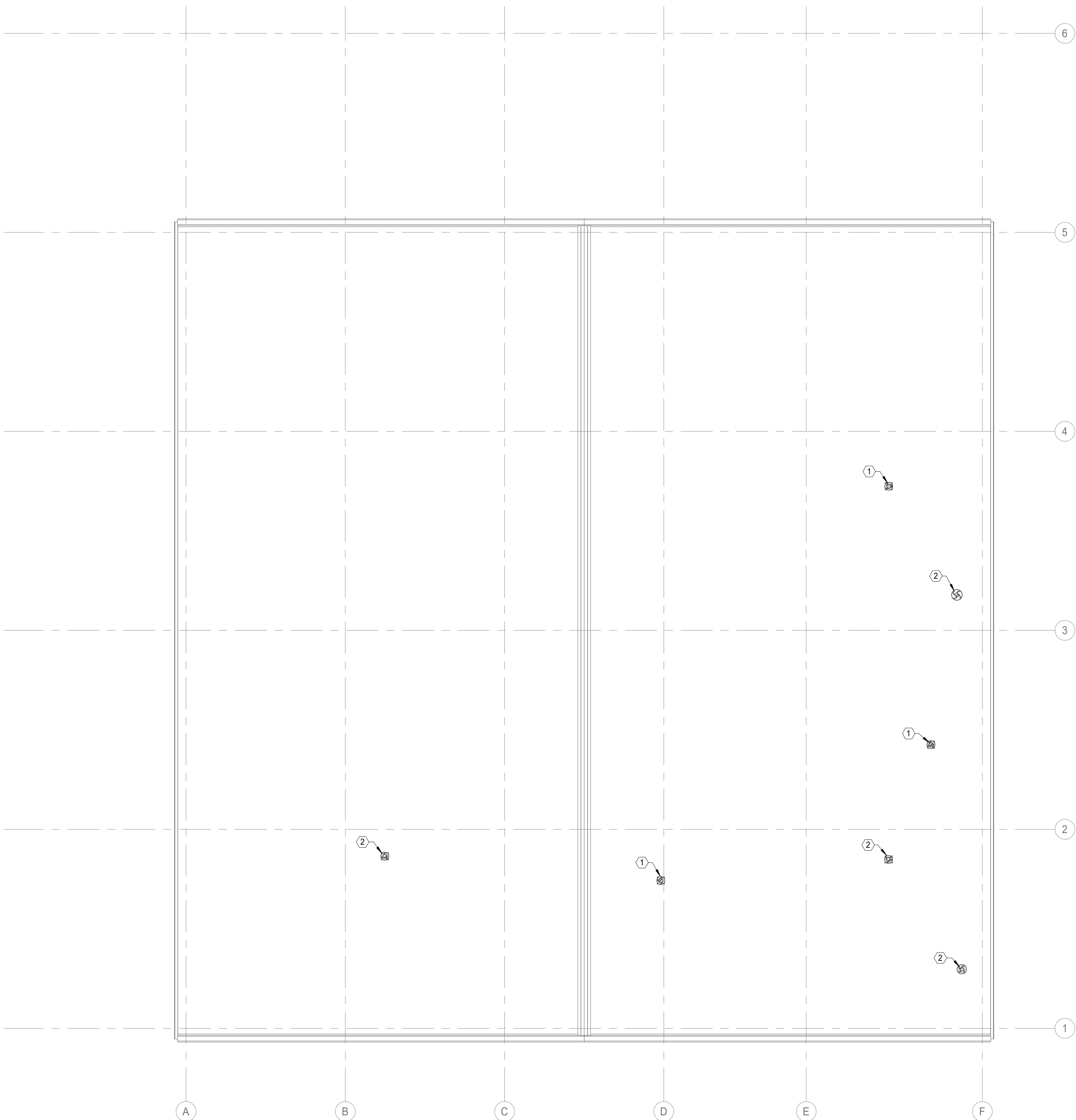
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### MECHANICAL GENERAL NOTES

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10. MECHANICAL CONTRACTOR SHALL MAINTAIN MINIMUM 10'-0" CLEARANCE BETWEEN MECHANICAL EQUIPMENT AND ROOF EDGES.

### MECHANICAL KEYED NOTES

- |   |  |
|---|--|
| 1 | TERMINATE EXHAUST DUCT WITH WEATHERPROOF ROOF CAP.     |
| 2 | TERMINATE OUTSIDE AIR DUCT WITH WEATHERPROOF ROOF CAP. |



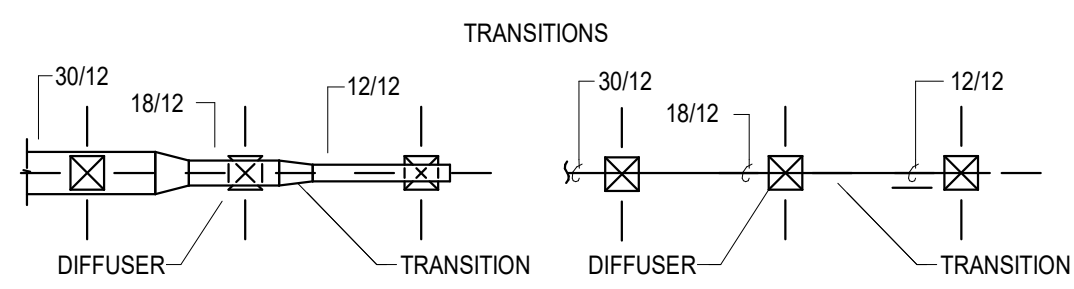
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### MECHANICAL PLAN - ROOF - UNIT A

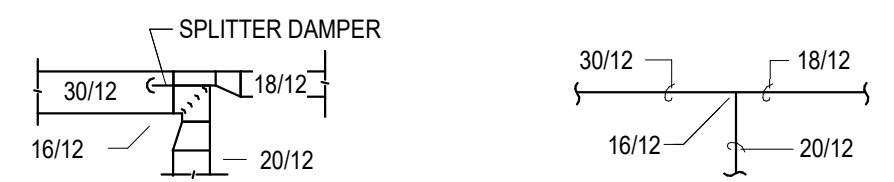
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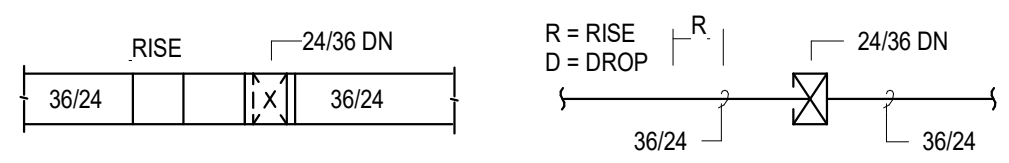
## DUCTWORK SYMBOLS LEGEND



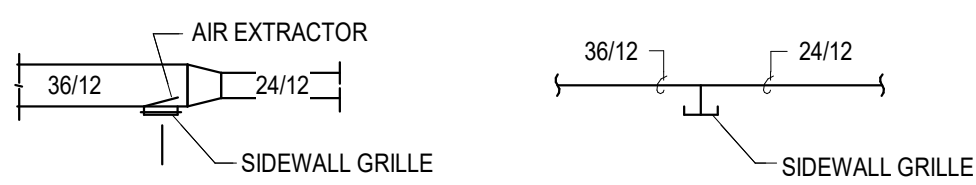
## MAIN BRANCH TAKE-OFFS



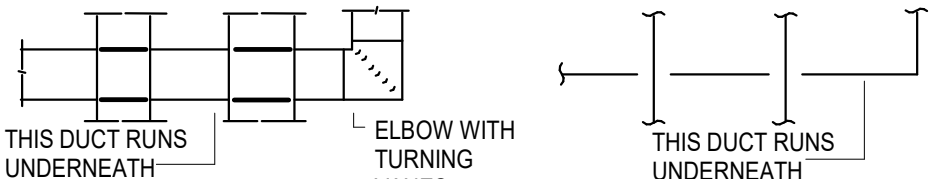
## RISERS



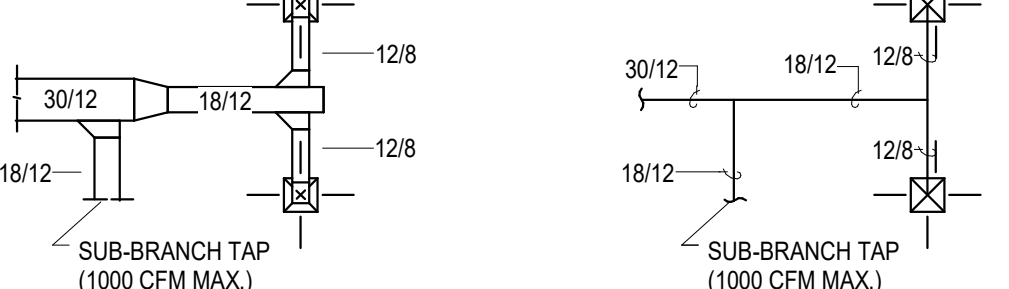
## SIDEWALL REGISTERS



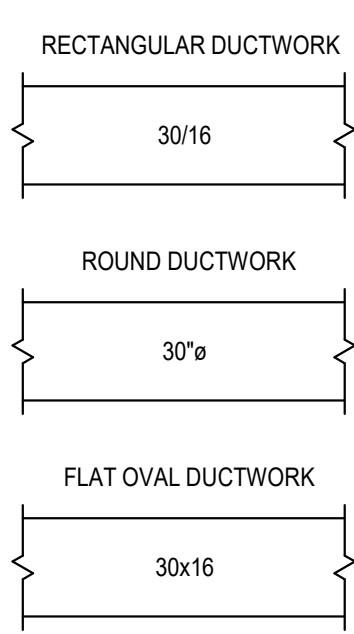
## DUCT CROSSOVERS



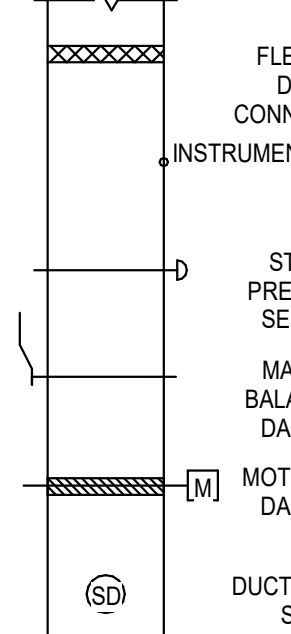
## SUB-BRANCH TAP AND TEE



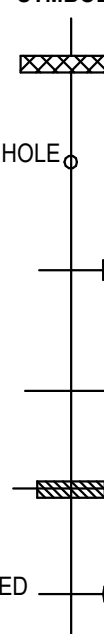
## TWO LINE DUCTWORK LEGEND



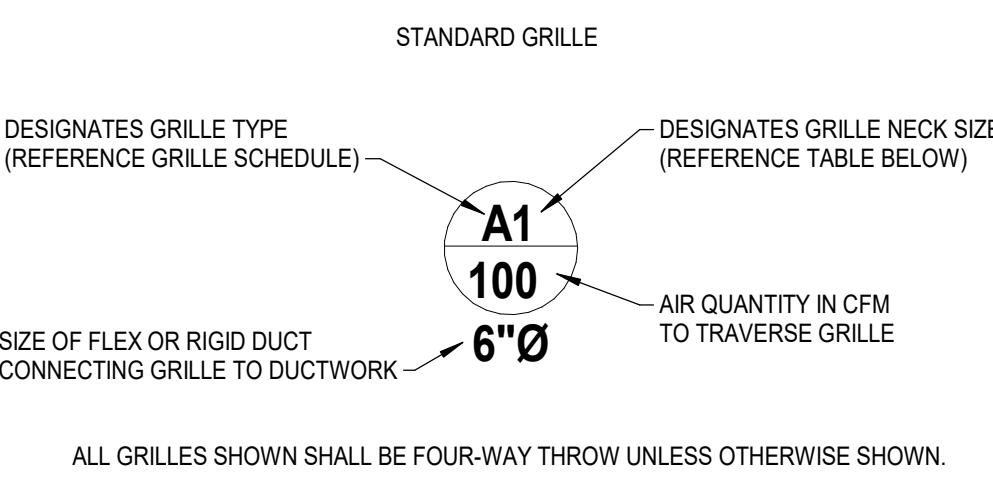
## TWO LINE DUCTWORK SYMBOLS



## ONE LINE DUCTWORK SYMBOLS

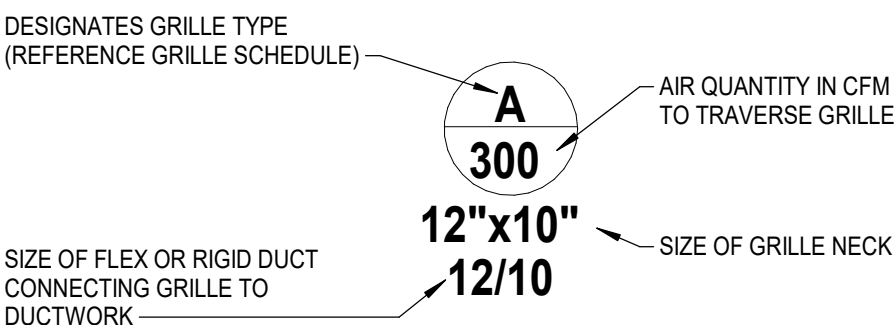


## GRILLE SIZING SCHEDULE



ALL GRILLES SHOWN SHALL BE FOUR-WAY THROW UNLESS OTHERWISE SHOWN.

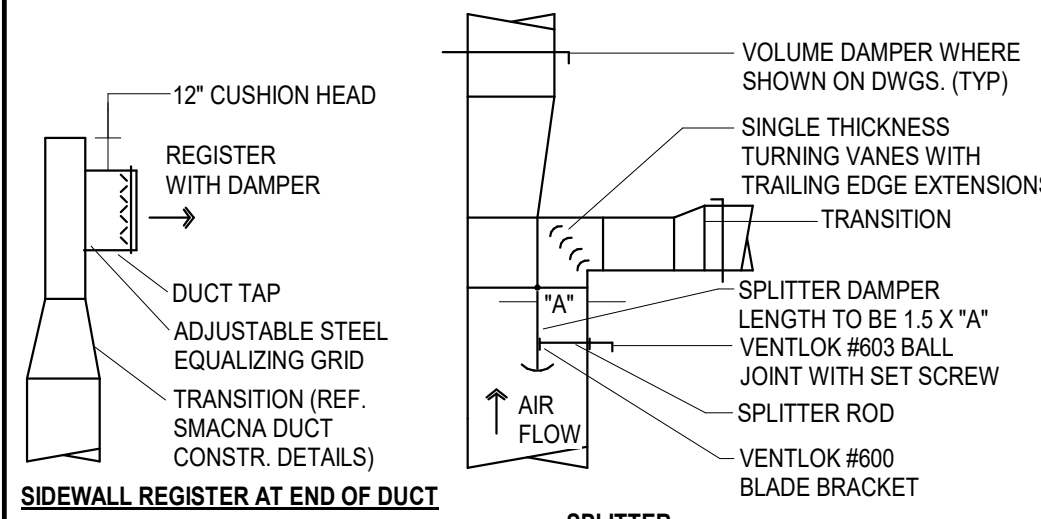
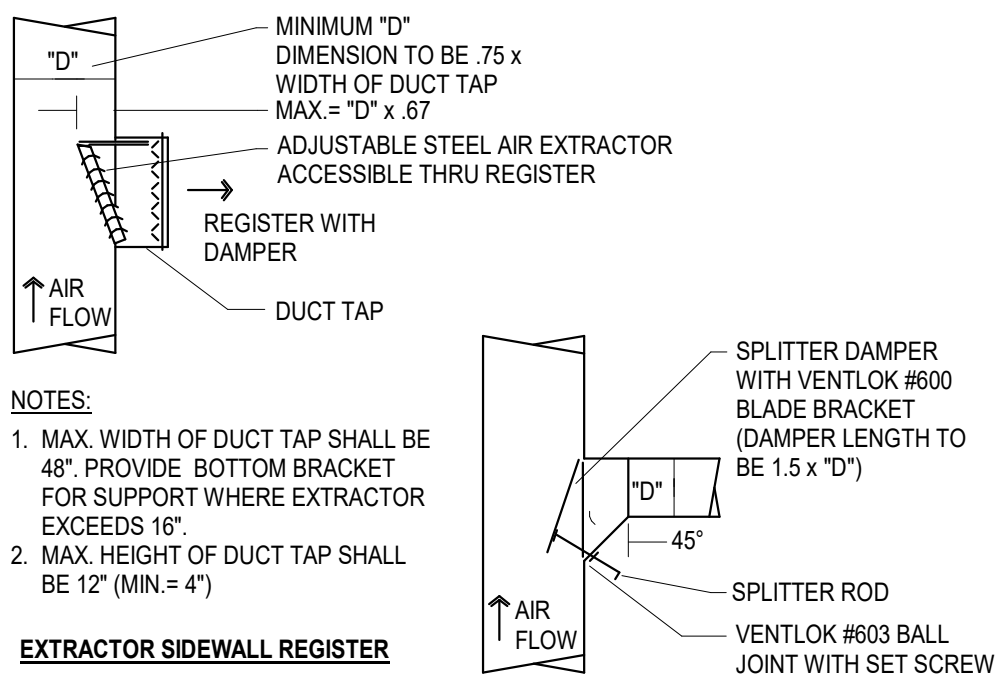
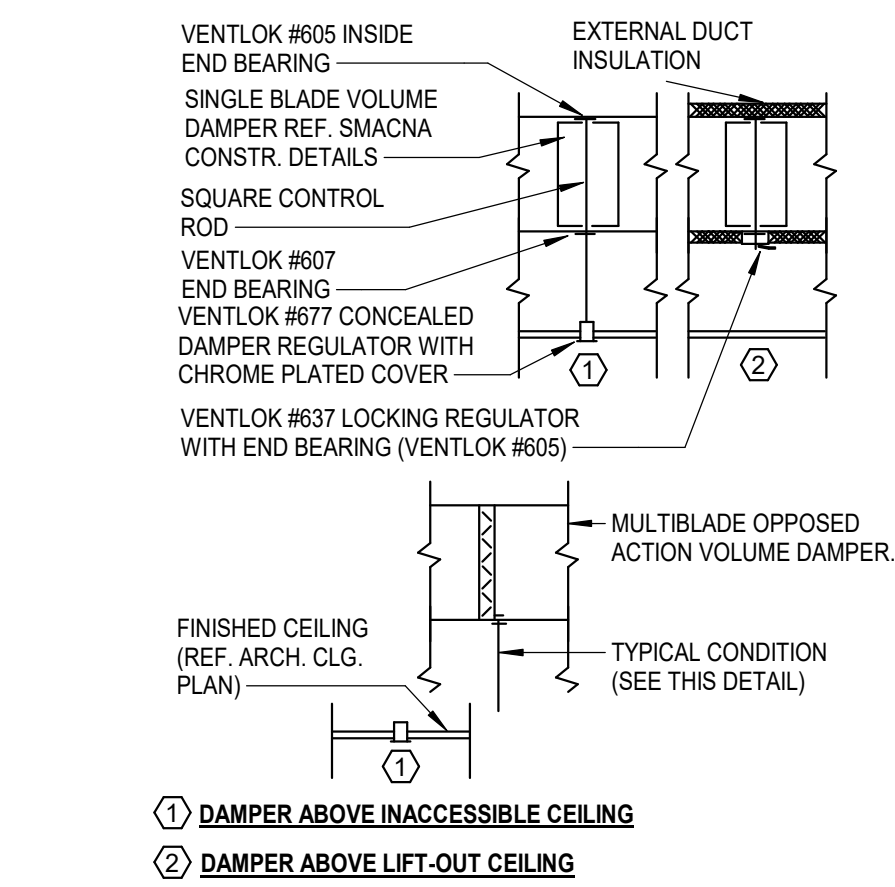
## REGISTER OR NONSTANDARD GRILLE



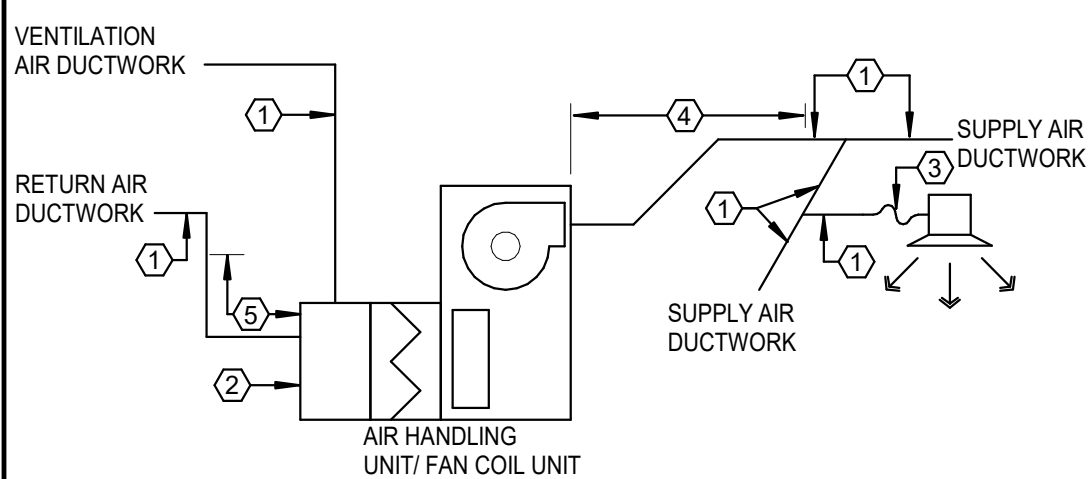
ALL GRILLES SHOWN SHALL BE FOUR-WAY THROW UNLESS OTHERWISE SHOWN. ALL REGISTERS SHALL HAVE A 45° HORIZONTAL DEFLECTION UNLESS OTHERWISE SHOWN.

GRILLE SIZE DESIGNATION	GRILLE NECK SIZE	GRILLE SIZE DESIGNATION	GRILLE NECK SIZE
1	6" x 6"	7	15" x 15"
2	8" x 8"	8	16" x 16"
3	9" x 9"	9	18" x 18"
4	10" x 10"	10	20" x 20"
5	12" x 12"	11	22" x 22"
6	14" x 14"	12	24" x 24"

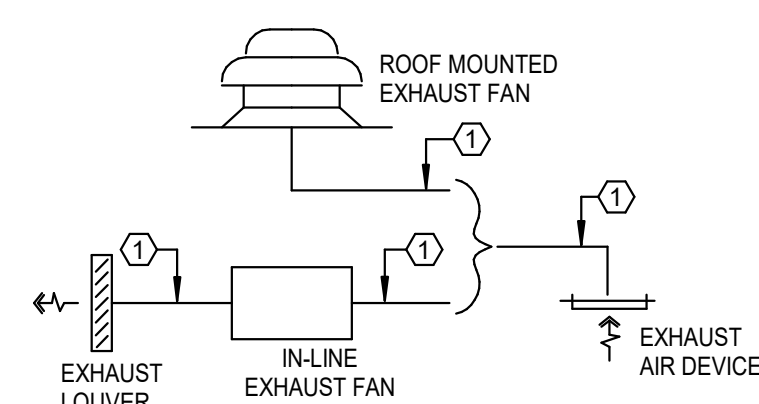
## DUCTWORK CONSTRUCTION DETAILS



## DUCT LINER AND INSULATION



## AIR HANDLING UNITS AND FAN COIL UNITS



## EXHAUST AIR SYSTEMS

- KEYED NOTES:
- SHEETMETAL DUCTWORK WITH EXTERNAL DUCTWORK INSULATION AS SPECIFIED.
  - SHEETMETAL DUCTWORK RETURN AIR PLENUM WITH EXTERNAL DUCTWORK INSULATION AS SPECIFIED.
  - FLEXIBLE DUCTWORK WITH EXTERNAL DUCTWORK INSULATION AS SPECIFIED.
  - SHEETMETAL DUCTWORK WITH EXTERNAL DUCTWORK INSULATION AS SPECIFIED AND 1" THICK 1-1/2 LB LINER AS SPECIFIED FROM AIR HANDLING UNIT DISCHARGE TO 10'-0" DOWNSTREAM.
  - SHEETMETAL DUCTWORK WITH EXTERNAL DUCTWORK INSULATION AS SPECIFIED AND 1" THICK 1-1/2 LB LINER AS SPECIFIED FROM AIR HANDLING UNIT INLET TO 10'-0" UPSTREAM.

## SYMBOL LEGEND

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)		
<b>GENERAL</b>			
(#)	KEY NOTE TAG	→	ELBOW DOWN
Δ	REVISION TAG	↗	90° ELBOW
⊞	NEW EQUIPMENT	↘	45° ELBOW
<b>DUCTWORK</b>			
▢	SUPPLY AIR DUCTWORK	⊞	TEE UP
▤	RETURN AIR AND OUTSIDE AIR DUCTWORK	⊞	TEE DOWN
▥	EXHAUST AIR DUCTWORK	⊞	TOP BRANCH CONNECTION
▦	FLEXIBLE DUCTWORK	⊞	BOTTOM BRANCH CONNECTION
▧	SUPPLY AIR DUCTWORK THROUGH HORIZONTAL PARTITION	⊞	FLANGE
▨	RETURN AIR DUCTWORK THROUGH HORIZONTAL PARTITION	⊞	CAP
▩	EXHAUST AIR DUCTWORK THROUGH HORIZONTAL PARTITION	⊞	CONTINUATION
⬆	FIRE DAMPER (VERTICAL)	⊞	FLOOR DRAIN (REFER TO PLUMBING DRAWINGS)
⬇	FIRE DAMPER (HORIZONTAL)	⊞	GATE VALVE
⬇	SMOKE DAMPER (VERTICAL)	⊞	GLOBE VALVE
⬇	SMOKE DAMPER (HORIZONTAL)	⊞	CHECK VALVE
⬇	COMBINATION FIRE & SMOKE DAMPER (VERTICAL)	⊞	BUTTERFLY VALVE
⬇	COMBINATION FIRE & SMOKE DAMPER (HORIZONTAL)	⊞	BUTTERFLY VALVE WITH OPERATOR
⬇	MANUAL BALANCING DAMPER (SEE DAMPER SCHEDULE)	⊞	PLUG VALVE
⬇	MOTORIZED DAMPER (SEE DAMPER SCHEDULE)	⊞	TWO-WAY CONTROL VALVE
<b>SENSORS</b>			
⊞	THERMOSTAT AND TEMPERATURE SENSOR	⊞	THREE-WAY CONTROL VALVE
⊞	HUMIDISTAT	⊞	PRESSURE REDUCING VALVE
⊞	SMOKE DETECTOR	⊞	PRESSURE RELIEF VALVE
⊞	CO2 DETECTOR	⊞	BALL VALVE
<b>AIR DEVICES</b>			
⊞	GRILLE SIZE TAG (REFER TO GRILLE SIZE LEGEND)	⊞	STRAINER
⊞	SUPPLY AIR GRILLE WITH FOUR-WAY THROW	⊞	UNION
⊞	SUPPLY AIR GRILLE WITH THREE-WAY THROW	⊞	THERMOMETER WELL
⊞	SUPPLY AIR GRILLE WITH TWO-WAY THROW	⊞	PETE'S PLUG
⊞	SUPPLY AIR GRILLE WITH TWO-WAY CORNER THROW	⊞	PRESSURE GAUGE
⊞	RETURN AIR GRILLE	⊞	TEMPERATURE SENSOR IN PIPE
⊞	RETURN AIR GRILLE WITH SOUND BOOT	⊞	VENTURI FLOW METER
⊞	EXHAUST AIR GRILLE	⊞	FLOW SWITCH
⊞	SUPPLY AIR SIDEWALL GRILLE	⊞	FLOW MEASURING STATION
⊞	RETURN AIR SIDEWALL GRILLE	⊞	EXPANSION JOINT
⊞	RETURN AIR OPENING ABOVE CEILING	⊞	FLEXIBLE CONNECTION
<b>PIPING</b>			
⊞	CONDENSER WATER SUPPLY & RETURN (TOTAL OF TWO PIPES, ONLY ONE PIPE SHOWN FOR DRAWING CLARITY)	⊞	GAUGE COCK
⊞	CONDENSER WATER SUPPLY	⊞	SITE GLASS
⊞	CONDENSER WATER RETURN	⊞	DIFFERENTIAL PRESSURE SENSOR
⊞	CHILLED WATER SUPPLY & RETURN (TOTAL OF TWO PIPES, ONLY ONE PIPE SHOWN FOR DRAWING CLARITY)	⊞	TURBINE FLOW METER
⊞	CHILLED WATER SUPPLY	⊞	ANCHOR
⊞	CHILLED WATER RETURN	⊞	PIPE GUIDE
⊞	HOT WATER FOR HYDRONIC HEATING SUPPLY & RETURN (TOTAL OF TWO PIPES, ONLY ONE PIPE SHOWN FOR DRAWING CLARITY)	<b>SUBSCRIPTS AND ABBREVIATIONS</b>	
⊞	HOT WATER FOR HYDRONIC HEATING SUPPLY	AFF	ABOVE FINISHED FLOOR
⊞	HOT WATER FOR HYDRONIC HEATING RETURN	BBS	BELOW BOTTOM OF STRUCTURE
⊞	CONDENSATE DRAIN LINE	BOD	BOTTOM OF DUCT
⊞	AUXILIARY CONDENSATE DRAIN LINE	BOP	BOTTOM OF PIPE
⊞	REFRIGERANT LIQUID & GAS RECIRCULATION LINE (TOTAL OF TWO PIPES, ONLY ONE PIPE SHOWN FOR DRAWING CLARITY)	CA	COMBUSTION AIR
⊞	REFRIGERANT LIQUID LINE	CFM	CUBIC FEET PER MINUTE
⊞	REFRIGERANT HOT GAS LINE	EA	EXHAUST AIR
⊞	REFRIGERANT SUCTION LINE	FPM	FEET PER MINUTE
⊞	ELBOW UP	NC	NORMALLY CLOSED
		NO	NORMALLY OPEN
		OA	OUTSIDE AIR
		RA	RETURN AIR
		SA	SUPPLY AIR
		<b>RENOVATIONS</b>	
		⊞	POINT OF CONNECTION FROM NEW TO EXISTING
		⊞	ITEM TO REMAIN
		⊞	ITEM TO BE REMOVED

## DAMPER

MARK	ACTUATOR	DUTY	BLADE ACTION	MANUFACTURER	MODEL NUMBER	REMARKS
D-1	MANUAL BALANCING	UNDER 9" WIDE	N/A	N/A	N/A	SEE SMACNA CONSTRUCTION DETAILS REFERENCED "TYPICAL CONSTRUCTION DETAILS FOR LOW VELOCITY DUCTS."
D-2	MANUAL BALANCING	OVER 9" WIDE	OPPOSED	RUSKIN	MD-35	MANUAL DAMPER WITH STANDARD CONSTRUCTION FEATURES AND VENTLOK #639 LOCKING REGULATOR.
D-3	MOTORIZED	OVER 9" WIDE	OPPOSED	RUSKIN	CD-60	LOW LEAKAGE DAMPER WITH BLADE SEALS

NOTES:  
N/A - NOT APPLICABLE



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ISSUED: May 30, 2025

## REVISIONS

Revision No. Revision Date

Director  
Approver  
Designer  
Proj. Arch.  
Checker

Drawn By  
Author  
Quality Control

PROJECT NO.

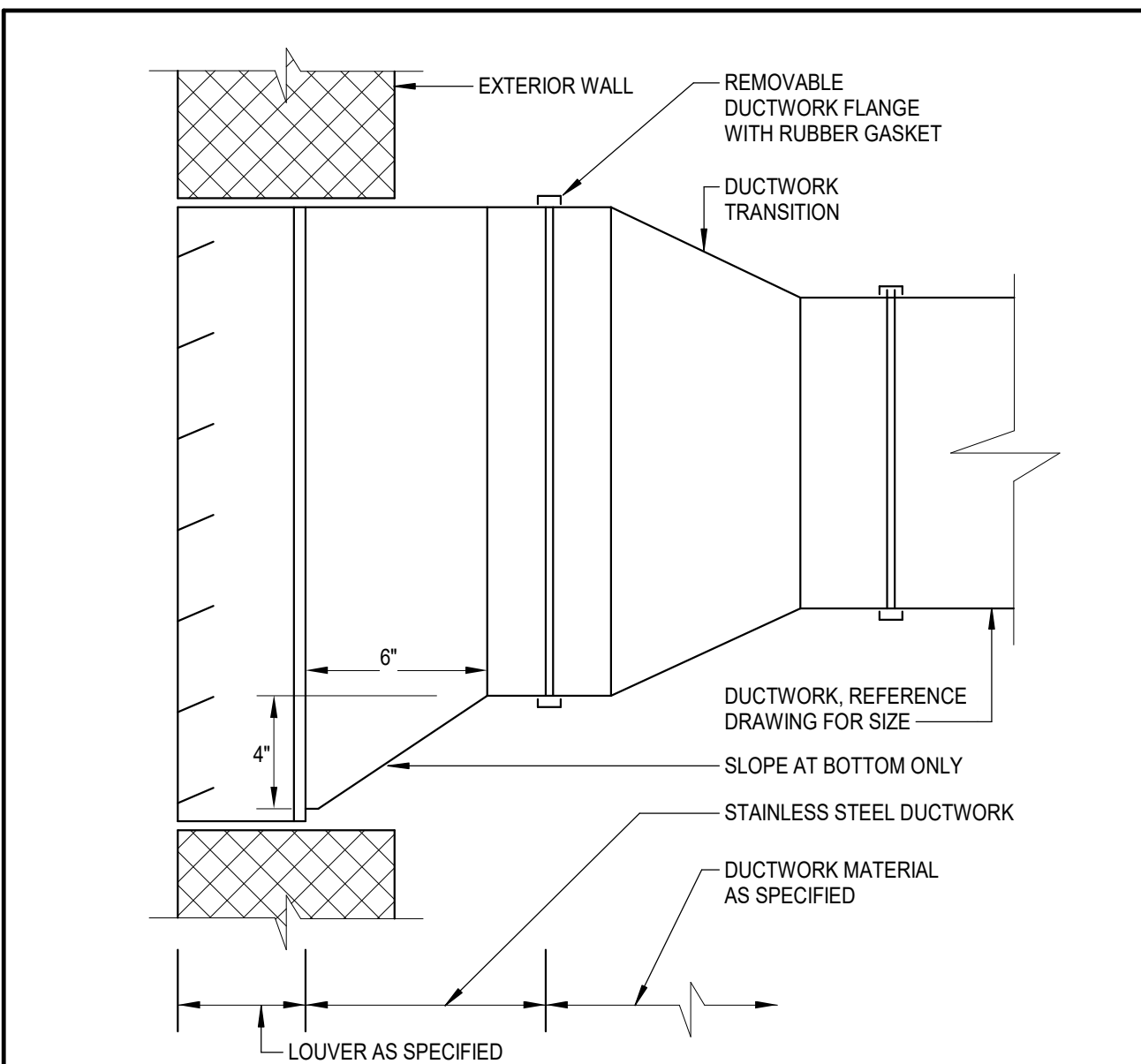
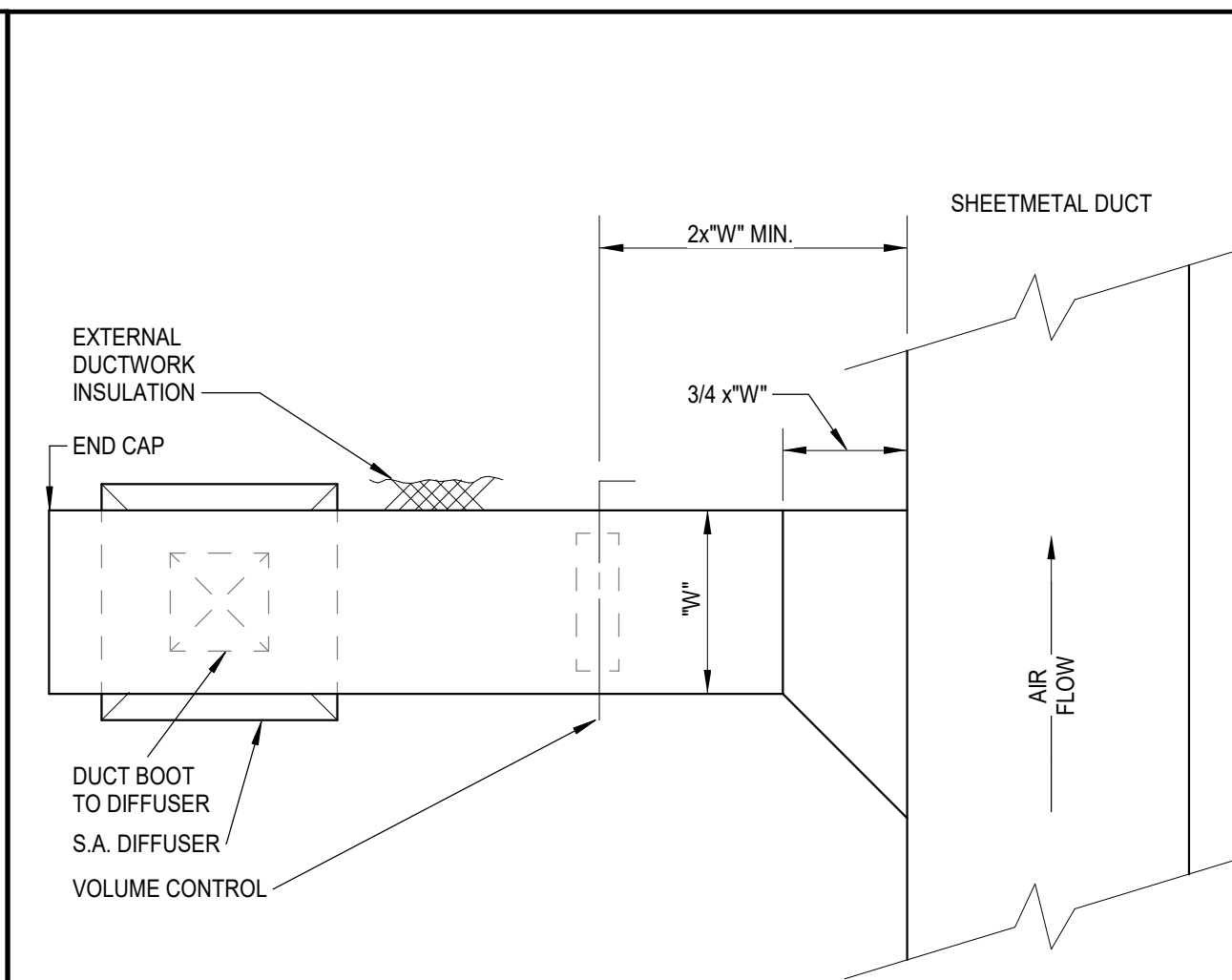
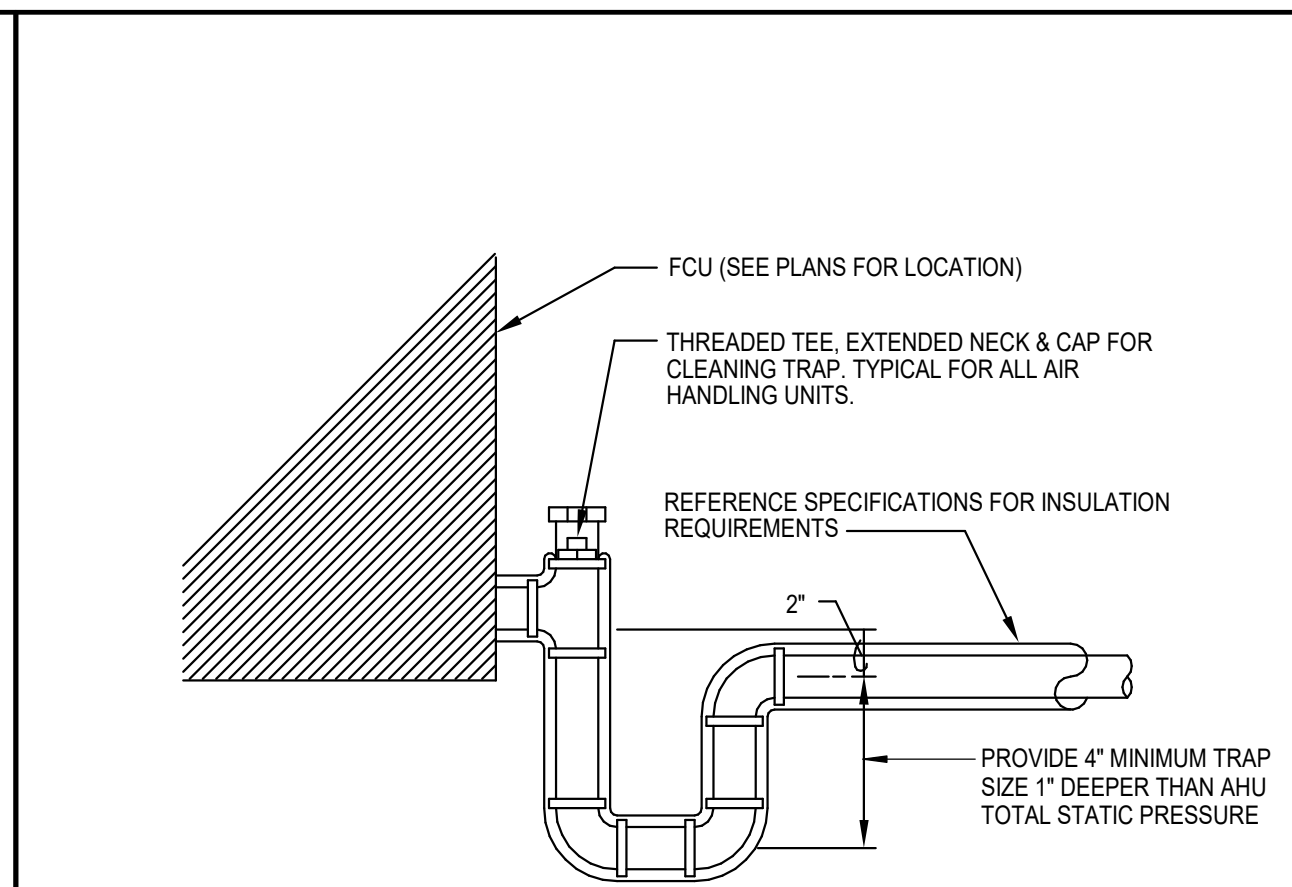
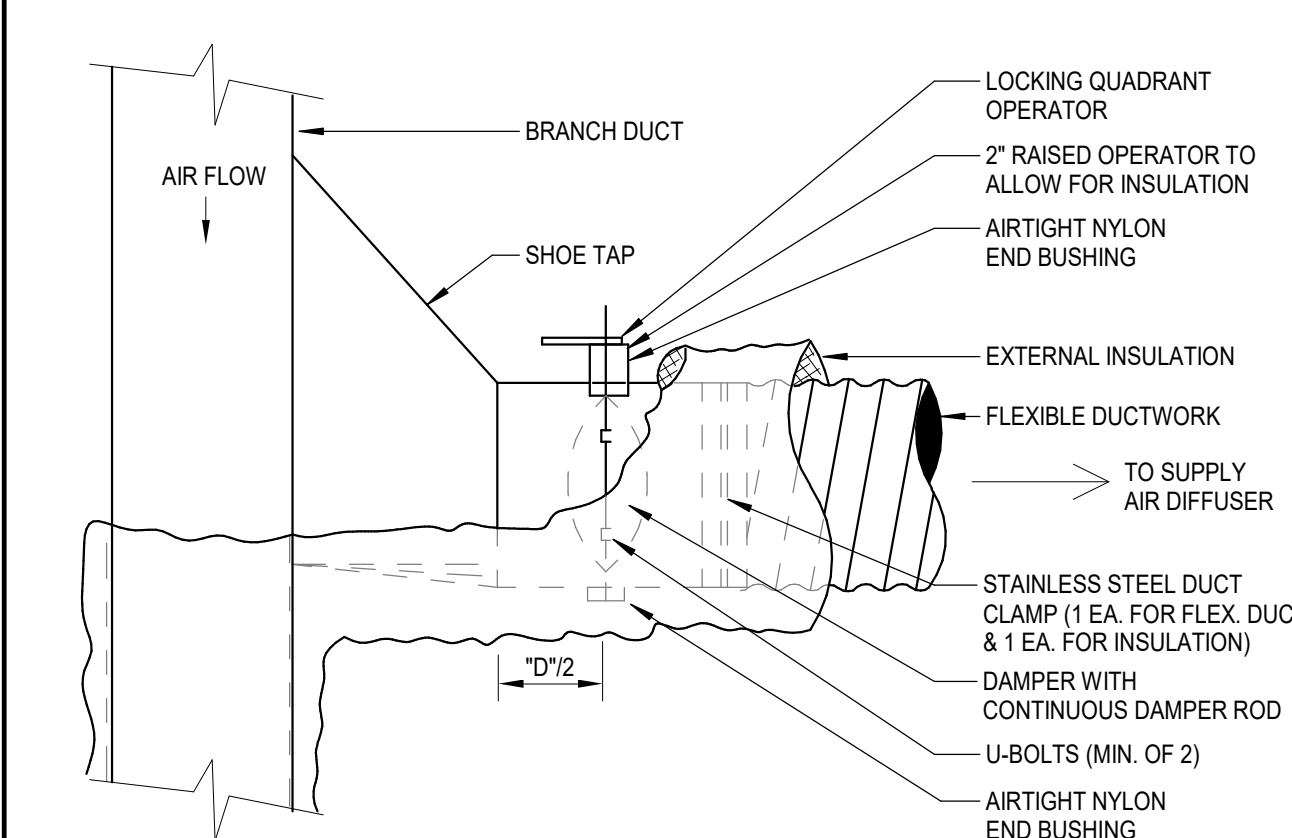
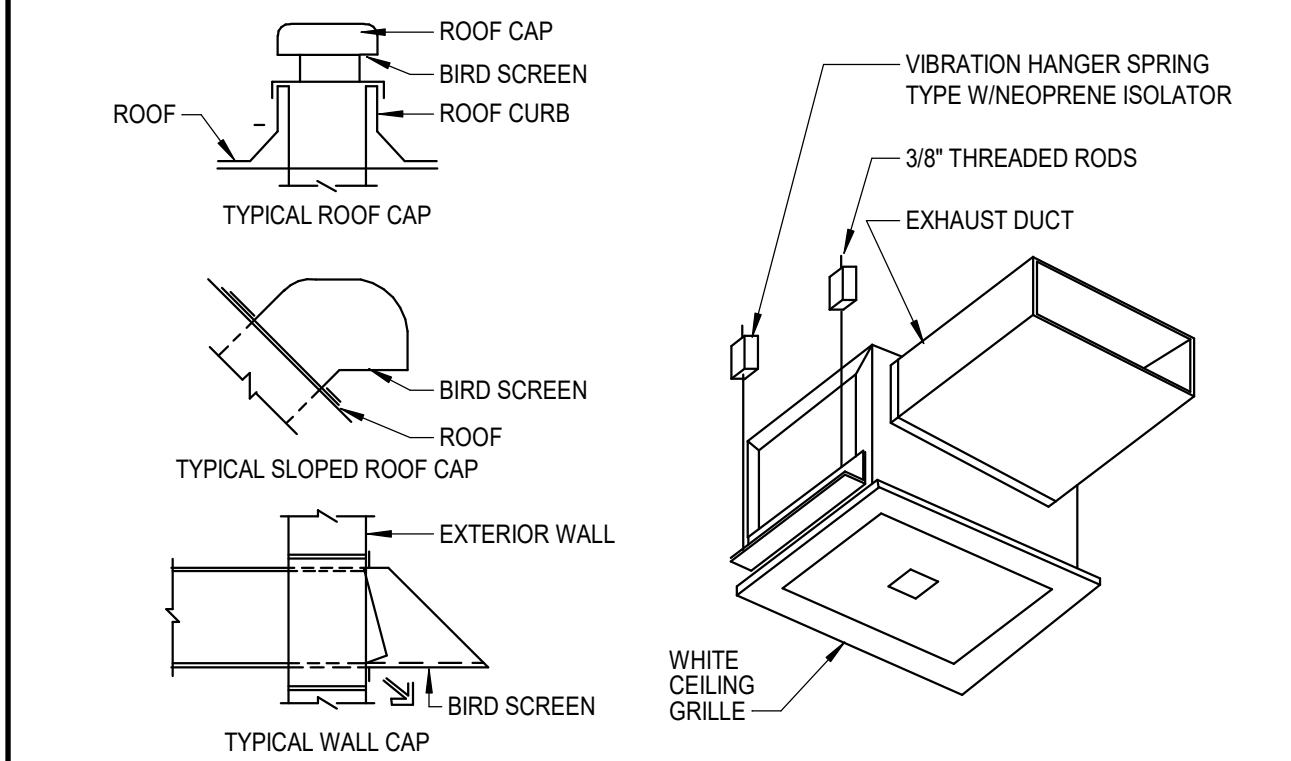
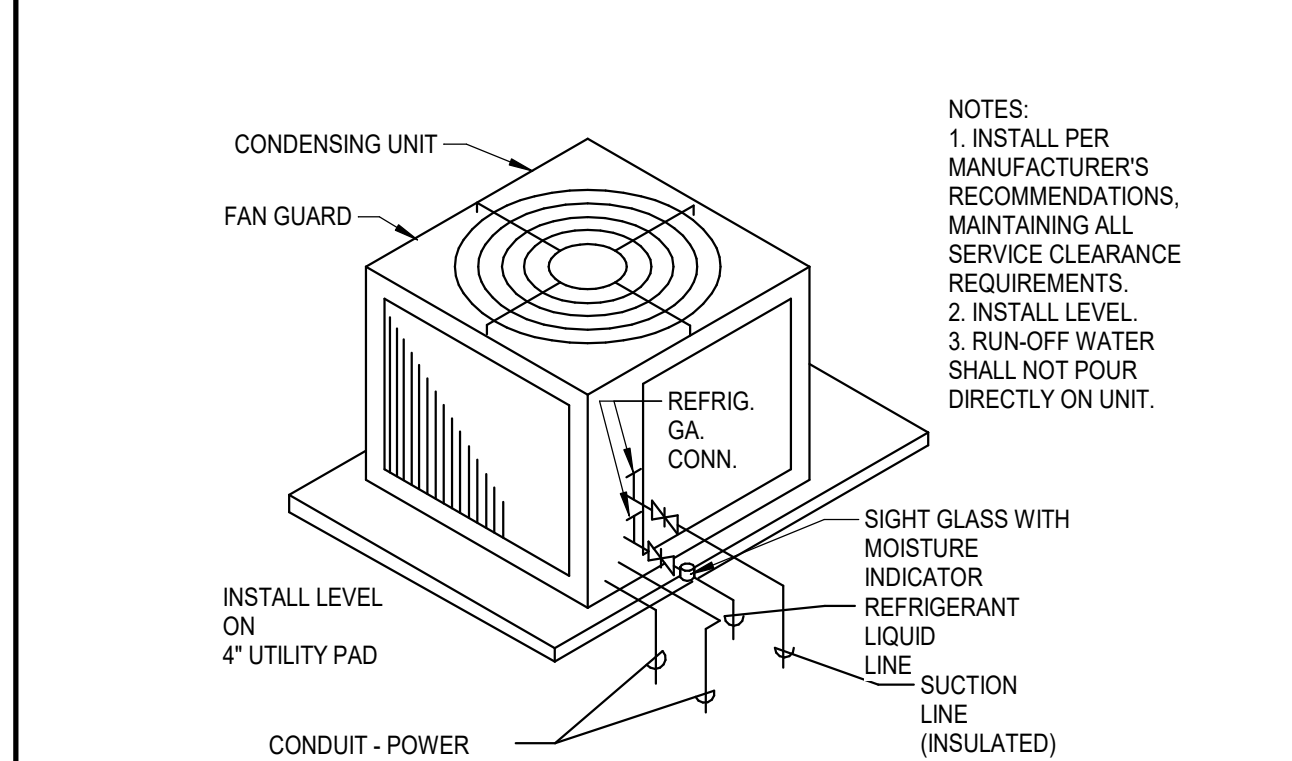
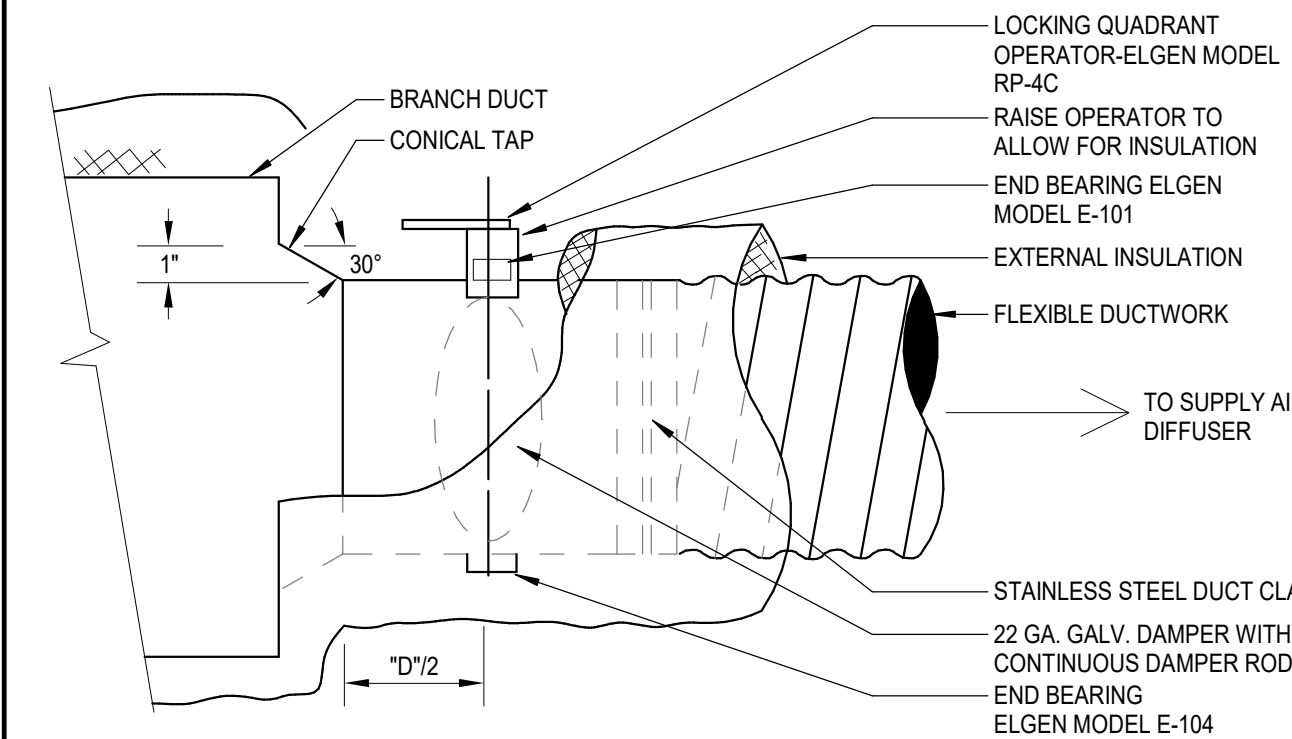
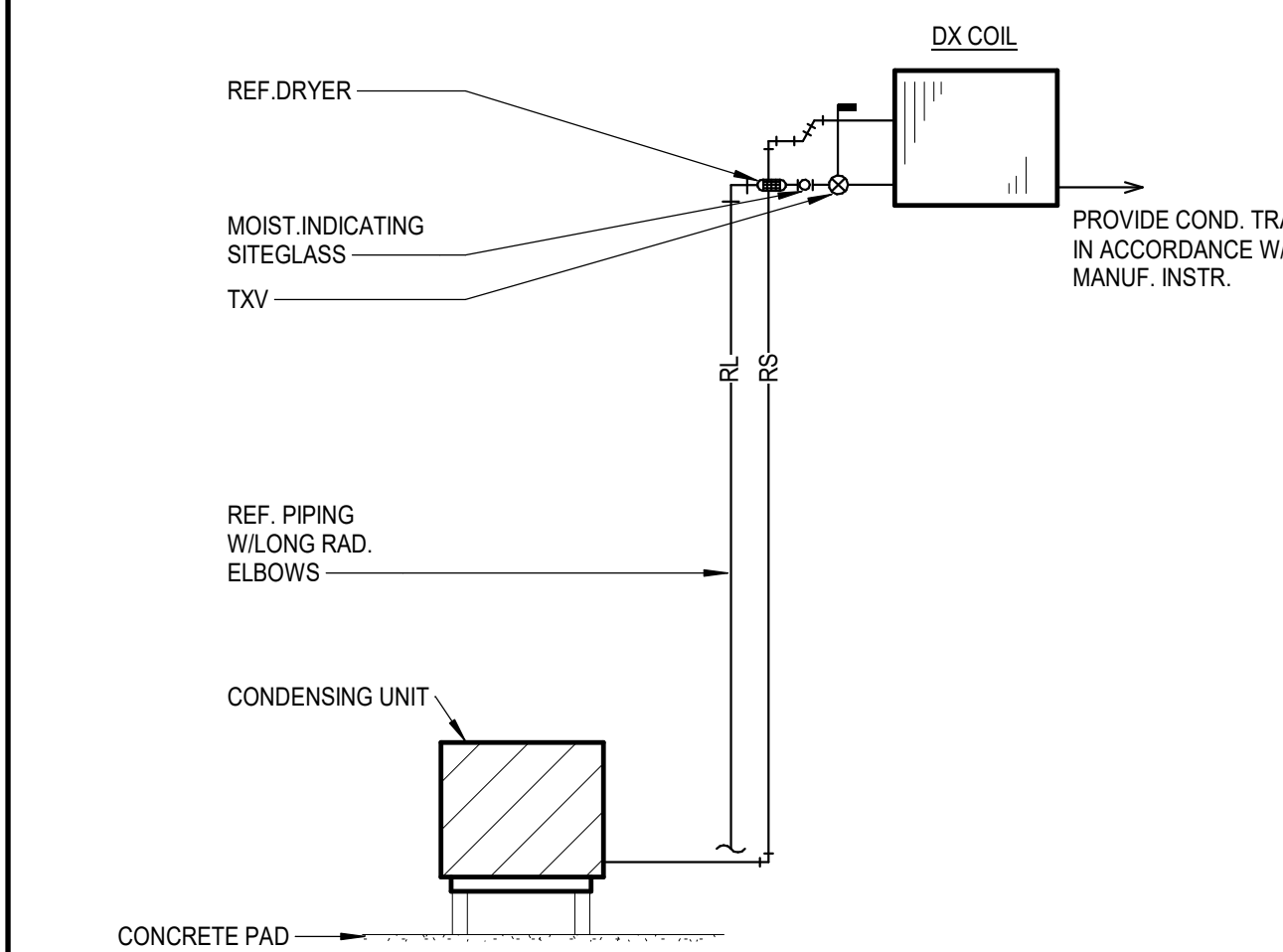
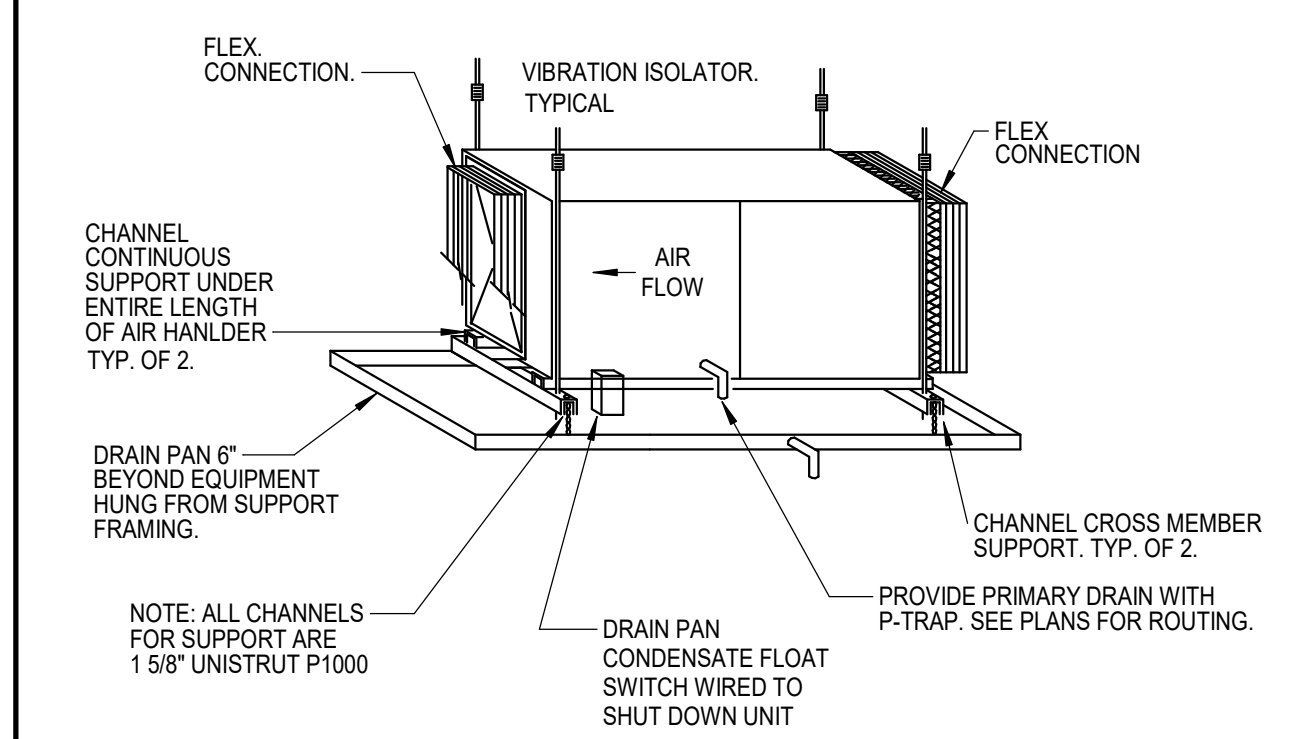
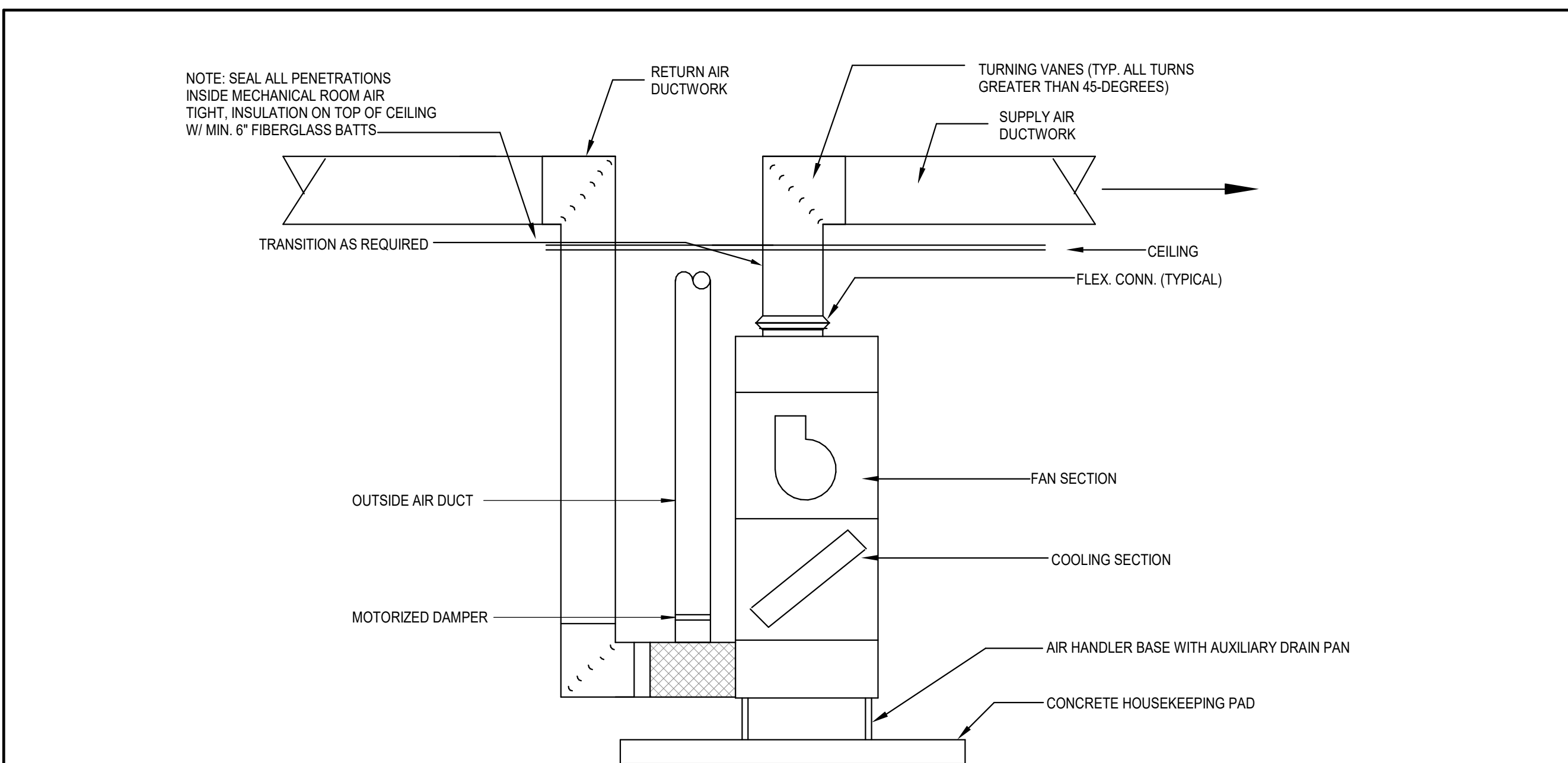
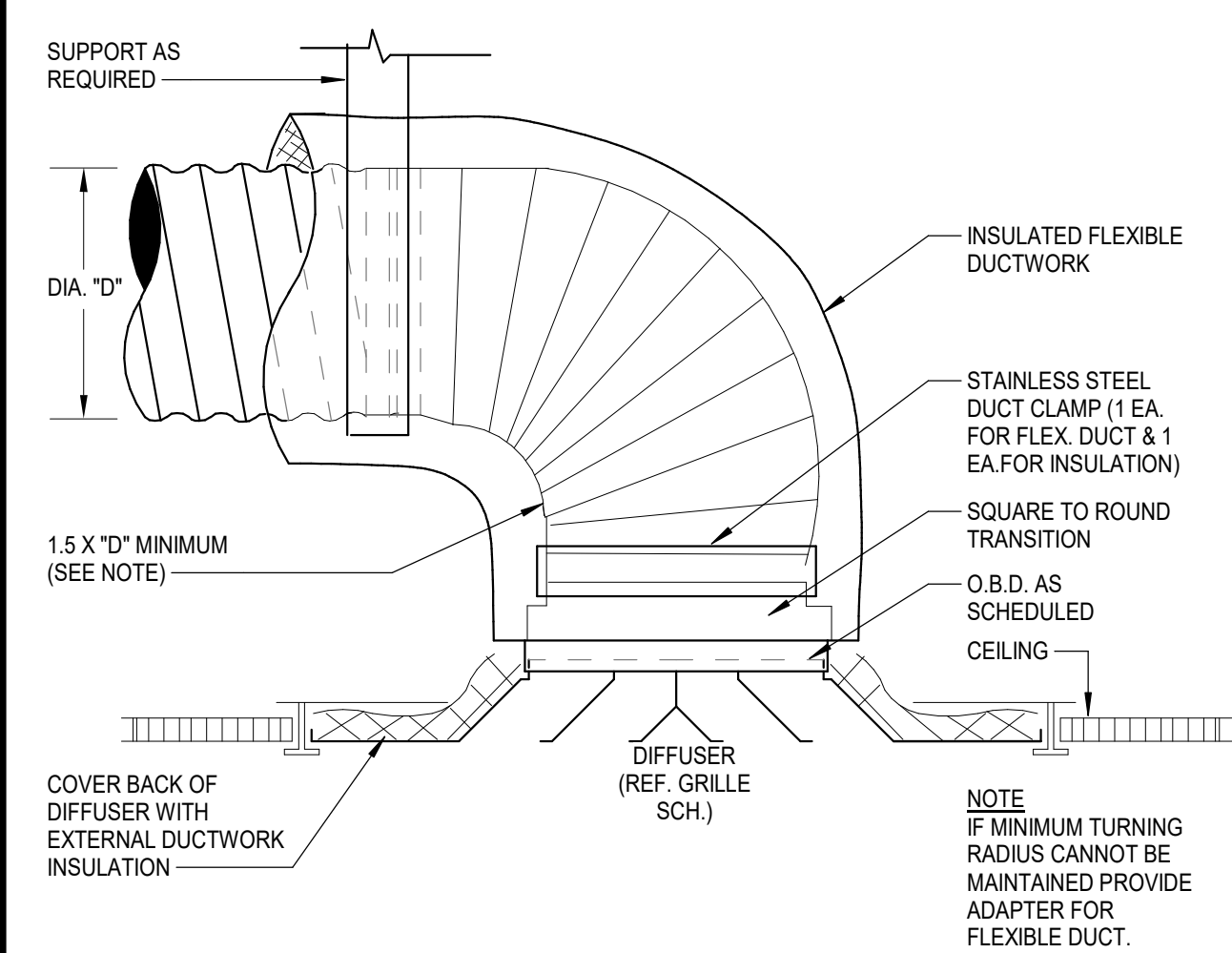
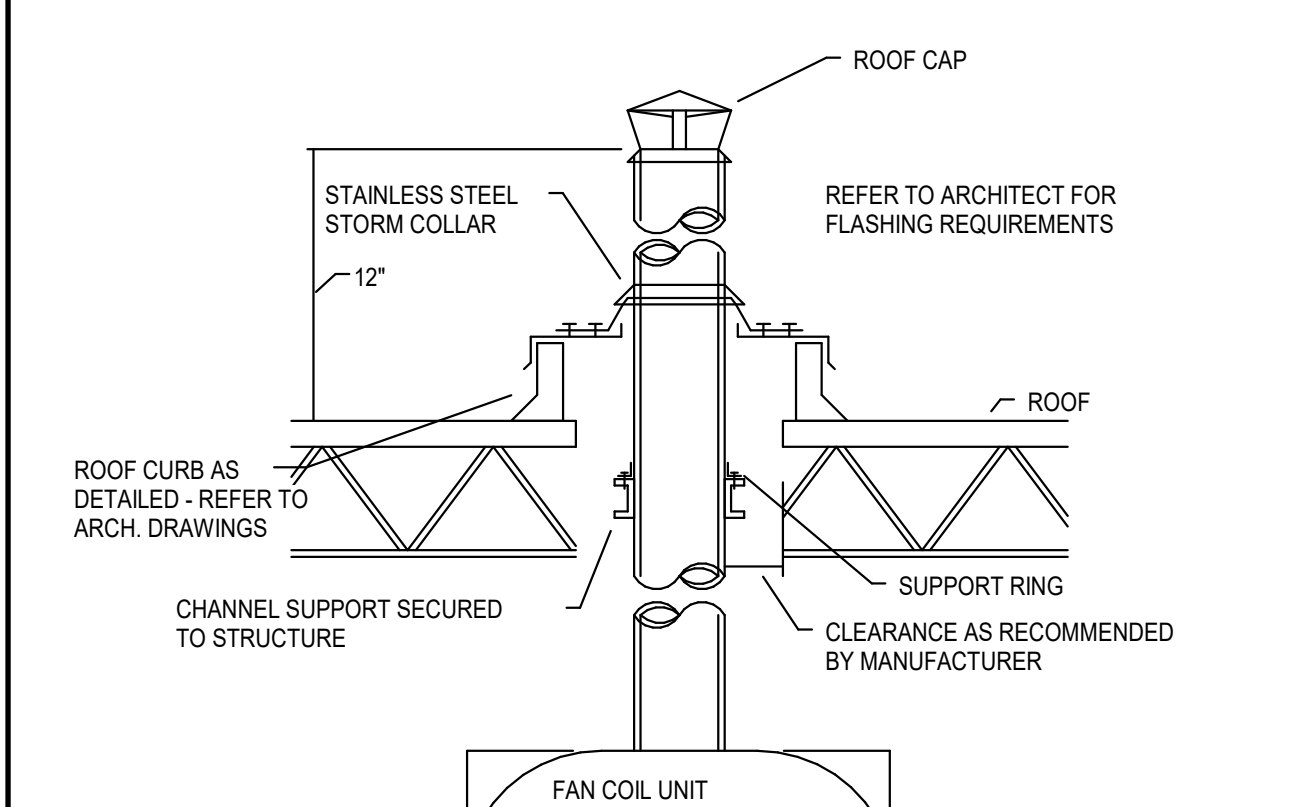
24-103.00

SHEET TITLE

MECHANICAL DETAILS

SHEET NO.

M6.21


11 DUCTWORK AT LOUVER  
SCALE: NONE

7 RIGID DUCT TAP TO SINGLE SUPPLY AIR  
DIFFUSER  
SCALE: NONE

3 CONDENSATE DRAIN PIPING AT FCU  
SCALE: NONE

10 FLEXIBLE DUCT TAP - SHOE  
SCALE: NONE

6 CABINET CEILING FAN  
SCALE: NONE

2 CONDENSING UNIT ON UTILITY PAD  
SCALE: NONE

9 FLEXIBLE DUCT TAP - CONICAL  
SCALE: NONE

5 REFRIGERANT PIPING DIAGRAM  
SCALE: NONE

1 AIR HANDLING UNIT HUNG FROM STRUCTURE  
SCALE: NONE

12 VERTICAL AIR HANDLING UNIT  
SCALE: NONE

8 FLEX DUCT CONNECTION AT SUPPLY AIR  
DIFFUSER  
SCALE: NONE

4 AIR INTAKE/EXHAUST THRU ROOF  
SCALE: NONE





ARCHITECT

WHITE SETTLEMENT (SD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE

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24-103.00

SHEET TITLE

MECHANICAL SCHEDULES

SHEET NO.

M7.11

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**BASIS OF DESIGN**  
THE MANUFACTURER AND MODEL NUMBER LISTED IN THE DRAWINGS OR SPECIFICATIONS ARE THE BASIS OF DESIGN. WHEN PROVIDING EQUIPMENT BY AN ACCEPTABLE MANUFACTURER THAT IS NOT BASIS OF DESIGN, THE CONTRACTOR SHALL PROVIDE AS A PART OF THE SUBMITTAL AND/OR SHOP DRAWING AN ITEMIZED LIST OF ALL MODIFICATIONS REQUIRED TO INSTALL THE NON-BASIS OF DESIGN EQUIPMENT FROM THE INFORMATION DETAILED IN BOTH THE SPECIFICATION SECTION AND EQUIPMENT SCHEDULE. ADDITIONALLY, THE EQUIPMENT MUST ADDRESS THE PHYSICAL CONSTRAINTS OF SPACE INCLUDING COORDINATION WITH OTHER TRADES AND ALL EQUIPMENT CLEARANCES. FINALLY, THE CONTRACTOR SHALL PROVIDE AT NO ADDITIONAL COST TO THE PROJECT ANY SCOPE INCREASE BASED ON THE NON-BASIS OF DESIGN EQUIPMENT FOR THE FOLLOWING MINIMUM ITEMS:  
• ELECTRICAL MODIFICATIONS, INCLUDING WIRING, CONDUIT, DISCONNECTS, OVERCURRENT PROTECTION, PANELS, MOTORS, ETC.  
• PLUMBING MODIFICATIONS, INCLUDING DOMESTIC WATER, SANITARY, CONDENSATE, AND GAS PIPING, ETC.  
• STRUCTURAL MODIFICATIONS  
• CIVIL MODIFICATIONS  
• DUCT AND PIPE CONNECTIONS OR ARRANGEMENTS  
• SPACE HEATING AND COOLING REQUIREMENTS  
• EXHAUST OR VENTILATION REQUIREMENTS  
• VIBRATION ISOLATION REQUIREMENTS  
• CONTROLS REQUIREMENTS TO MEET SPECIFICATIONS

GRILLE

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	DESCRIPTION
A	SUPPLY AIR	DIFFUSER	-	STEEL	WHITE	TITUS	OMNI	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"x24" PLAQUE FACE.
B	SUPPLY AIR	DIFFUSER	-	STEEL	WHITE	TITUS	OMNI	SURFACE MOUNT CEILING FRAME STYLE WITH 12"x12" PLAQUE FACE.
C	RETURN AIR	GRILLE	-	ALUMINUM	WHITE	TITUS	50FF	EXPOSED T-BAR CEILING FRAME STYLE WITH A 24"x24" EGGRATE FACE AND 4" HINGED FILTER RACK.
D	SUPPLY AIR	DIFFUSER	-	STEEL	WHITE	TITUS	300RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1). FACE SIZE AS NOTED.
E	RETURN AIR	GRILLE	-	STEEL	WHITE	TITUS	350RL	FIXED DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1). FACE SIZE AS NOTED.
F	EXHAUST AIR	GRILLE	-	STEEL	WHITE	TITUS	350RL	FIXED DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1). FACE SIZE AS NOTED.
G	RETURN AIR	GRILLE	-	STEEL	WHITE	TITUS	350RLF	FIXED DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1) WITH 1" HINGED FILTER RACK. FACE SIZE AS NOTED.

**GENERAL NOTES:**  
1. DIFFUSER MOUNTING STYLE SHALL BE CONFIRMED WITH ARCHITECTURAL DRAWINGS, REFLECTED CEILING PLAN.  
2. COORDINATE DIFFUSER DISCHARGE PATTERN WITH DRAWINGS.  
3. OMIT SCREW HOLES FOR 4Y-IN STYLE CEILING.  
4. PROVIDE SQUARE/RECTANGLE TO ROUND TRANSITION AS NEEDED.  
5. COORDINATE FINISH WITH ARCHITECT.  
6. PROVIDE VENTLOK CONCEALED DAMPER REGULATOR WITH REMOTE CABLE CONTROL FOR BALANCING DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS. COORDINATE CONTROL LOCATIONS WITH ARCHITECT. REFER TO DUCTWORK CONSTRUCTION DETAILS FOR MORE INFORMATION.  
7. MOUNT SIDEWALL RETURN AND EXHAUST GRILLES WITH BLADES DIRECTED UPWARD TO PREVENT LINE OF SIGHT THROUGH GRILLE.

LOUVER SCHEDULE

MARK	SIZE (HxW)	MINIMUM FREE AREA (SQ. FT.)	ELEVATION (FROM BOTTOM)	CFM	MANUFACTURER	MODEL NO.	LOUVER TYPE	LOUVER REMARKS
L-1	18/24	0.39	11'-11"	100	GREENHECK	EACC-601	ALUMINUM DRAINABLE	1,2,3
L-2	18/24	0.39	11'-11"	100	GREENHECK	EACC-601	ALUMINUM DRAINABLE	1,2,3
L-3	18/12	0.32	9'-11"	105	GREENHECK	ESD-635	ALUMINUM DRAINABLE	1,2

**REMARKS:**  
1. PROVIDE WITH BIRD SCREEN.  
2. COORDINATE EXACT MOUNTING HEIGHT AND FINISH WITH THE ARCHITECT.  
3. PROVIDE INTEGRAL MOTORIZED DAMPER AND CONCEALED LOW VOLTAGE ACTUATOR BY BMCS FOR INTERLOCK WITH EXHAUST FAN. RE: FAN SCHEDULE FOR MORE INFORMATION.

UNIT HEATER - ELECTRIC

MARK	MINIMUM CAPACITY (BTUH)	KW	NUMBER OF STAGES	CURRENT CHAR. V P F	CFM	MANUFACTURER	MODEL	REMARKS
EUH-1	10,236	3	1	208 1 60 350		QMARK	MUH0381	1,2

**REMARKS:**  
1. PROVIDE WITH PENDANT MOUNTED THERMOSTAT.  
2. PROVIDE WITH UNIVERSAL MOUNTING BRACKET. MOUNT MINIMUM 7'-0" TO BOTTOM OF HEATER.

DX FAN/COIL UNIT

MARK	FAN				AIR TEMPERATURE (°F)				COOLING				HEATING				BASIS OF DESIGN				REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT. STATIC PRESSURE (IN. W.C.)	HORSE POWER	CURRENT CHAR. V P F	ENTERING DRY BULB	ENTERING WET BULB	NOM. TOTAL CAPACITY (BTUH)	NOM. SENS. CAPACITY (BTUH)	MINIMUM EER2/ SEER2	NUMBER OF STAGES	ENTERING AIR TEMP (°F)	MINIMUM CAPACITY (BTUH)	NUMBER OF STAGES	MANUFACTURER	MODEL	MCA	MOCP			
FCU-1	1,600	210	0.50	0.5	208 1 60	78.5	64.3	45,000	29,000	9.0/16.0	MOD	62.4	47,500	MOD	DAIKIN	FXTA48A	6.5	15	1,2,3,4,5,6		
FCU-2	1,600	210	0.50	0.5	208 1 60	78.5	64.3	45,000	29,000	9.0/16.0	MOD	62.4	47,500	MOD	DAIKIN	FXTA48A	6.5	15	1,2,3,4,5,6		

**GENERAL NOTES:**  
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.  
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.  
**REMARKS:**  
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.  
2. PROVIDE WITH WALL-MOUNTED WIRED THERMOSTAT WITH GATEWAY FOR BMCS INTEGRATION.  
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.  
4. PROVIDE VERTICAL UNIT.  
5. PROVIDE FILTER RACK.  
6. PROVIDE AUXILIARY DRAIN PAN WITH FLOAT SWITCH.

DUCTLESS MINI-SPLIT - INDOOR UNIT

MARK	FAN					AIR TEMPERATURE (°F)		COOLING			HEATING		BASIS OF DESIGN		REMARKS		
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT. STATIC PRESSURE (IN. W.C.)	HORSE POWER	CURRENT CHAR. V P F	ENTERING DRY BULB	ENTERING WET BULB	TOTAL COOLING (BTUH)	SENSIBLE COOLING (BTUH)	MINIMUM EER2/ SEER2	NUMBER OF STAGES	ENTERING AIR TEMP (°F)	MINIMUM CAPACITY (BTUH)	NUMBER OF STAGES		MANUFACTURER	MODEL
DMS-1	350	25	0.20	0.01	208 1 60	75.0	67.0	10,200	8,500	12.0/20.0	MOD	70.0	13,600	MOD	DAIKIN	PXFA12A	1,2,3,4,7
DMS-2	350	15	0.20	0.01	208 1 60	75.0	67.0	6,500	5,100	12.0/20.0	MOD	70.0	8,500	MOD	DAIKIN	PXFA07A	1,2,3,4,7
DMS-3	512	50	0.20	0.01	208 1 60	75.0	67.0	12,100	9,300	14.0/23.0	MOD	70.0	17,000	MOD	DAIKIN	PXFA15A	1,2,3,4,7
DMS-4	350	15	0.20	0.01	208 1 60	75.0	67.0	6,500	5,100	12.0/20.0	MOD	70.0	8,500	MOD	DAIKIN	PXFA07A	1,2,3,4,7
DMS-5	400	0	0.20	0.01	208 1 60	75.0	67.0	10,900	7,700	12.0/21.0	MOD	-	-	-	DAIKIN	FTKF12AXVJU	1,2,3,5,6,8

**GENERAL NOTES:**  
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.  
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.  
**REMARKS:**  
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.  
2. PROVIDE WITH WALL-MOUNTED WIRED THERMOSTAT WITH GATEWAY FOR BMCS INTEGRATION.  
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.  
4. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP.  
5. PROVIDE WITH CONDENSATE PUMP EQUAL TO ASPEN MINI WHITE. PUMP REQUIRES A SEPARATE 120V POWER SOURCE.  
6. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.  
7. PROVIDE CEILING MOUNTED CASSETTE UNIT.  
8. PROVIDE WALL MOUNTED UNIT.

DUCTED MINI-SPLIT - INDOOR UNIT

MARK	FAN					AIR TEMPERATURE (°F)				COOLING				HEATING				BASIS OF DESIGN				REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT STATIC PRESSURE (IN. W.G.)	HORSE POWER	CURRENT CHAR. V P F	ENTERING DRY BULB	ENTERING WET BULB	MIN. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	MINIMUM EER2/ SEER2	NUMBER OF STAGES	ENTERING AIR TEMP (°F)	MINIMUM CAPACITY (BTUH)	NUMBER OF STAGES	MANUFACTURER	MODEL						
MFCU-1	600	90	0.20	0.1	208 1 60	79.0	64.6	18,000	12,200	11.3/16.0	MOD	61.3	20,000	MOD	DAIKIN	FXSA18A	1,2,3,4,5,6					
MFCU-2	800	150	0.20	0.1	208 1 60	80.0	65.1	30,000	20,300	11.3/16.0	MOD	59.2	34,000	MOD	DAIKIN	FXSA30A	1,2,3,4,5,6					
MFCU-3	950	225	0.20	0.1	208 1 60	81.4	65.7	34,200	23,100	11.3/16.0	MOD	56.4	37,000	MOD	DAIKIN	FXSA36A	1,2,3,4,5,6					

**GENERAL NOTES:**  
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.  
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.  
**REMARKS:**  
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.  
2. PROVIDE WITH WALL-MOUNTED WIRED THERMOSTAT WITH GATEWAY FOR BMCS INTEGRATION.  
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.  
4. SUSPEND UNIT WITH FOUR THREADED HANGER RODS ATTACHED TO TWO UNISTRUT RUNNERS SECURED TO STRUCTURE. PROVIDE SPRING ISOLATION. REFER TO MANUFACTURER FOR MORE DETAILS.  
5. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP.  
6. PROVIDE WITH AUXILIARY DRAIN PAN AND CONDENSATE OVERFLOW SWITCH.

AIR COOLED CONDENSING UNIT

MARK	MIN. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MINIMUM EER2/ SEER2	MIN HEAT CAPACITY (BTUH)	MIN COP	CURRENT CHAR.			RELATED UNIT MARK	BASIS OF DESIGN				REMARKS
						V	P	F		MANUFACTURER	MODEL	MCA	MOCP	
CU-1	45,000	103	9.0/16.0	47,500	8.5	208	1	60	FCU-1	DAIKIN	RXTA48A	29.4	30	1,2,3,4
CU-2	45,000	103	9.0/16.0	47,500	8.5	208	1	60	FCU-2	DAIKIN	RXTA48A	29.4	30	1,2,3,4
CU-3	45,000	103	9.0/16.0	47,500	8.5	208	1	60	MFCU-2/DMS-1/DMS-2/DMS-4	DAIKIN	RXTA48A	29.4	30	1,2,3,4,6
CU-4	34,200	103	11.3/16.0	37,000	8.5	208	1	60	MFCU-3	DAIKIN	RXTA36A	19.8	20	1,2,3,4
CU-5	34,200	103	11.3/16.0	37,000	8.5	208	1	60	MFCU-1/DMS-3	DAIKIN	RXTA36A	19.8	20	1,2,3,4,6
CU-6	10,900	103	12.0/21.0	-	-	208	1	60	DMS-5	DAIKIN	RKF12A	12.4	15	1,2,3,5

**GENERAL NOTES:**  
1. MINIMUM RECOMMENDED CLEARANCE AROUND ROOFTOP UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.  
**REMARKS:**  
1. PROVIDE WITH WIND BAFFLES AND LOW AMBIENT CONTROL DOWN TO 17°F.  
2. PROVIDE WITH DISCONNECT SWITCH.  
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.  
4. PROVIDE HEAT PUMP UNIT.  
5. PROVIDE COOLING ONLY UNIT.  
6. PROVIDE MANUFACTURER'S BRANCH JOINT PIPING KIT AS REQUIRED FOR MULTI-PORT SYSTEM.

FAN SCHEDULE

MARK	LOCATION	CFM	EXT. STATIC PRESSURE (IN. W.C.)	MAX RPM	HORSE POWER	CURRENT CHAR.			LOCALLY SWITCHED	INTERLOCK WITH	FAN TYPE	DRIVE TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
						V	P	F							
EF-1	TOILET - A107	75	0.20	824	0.01	120	1	60	LIGHTS	-	CEILING	DIRECT	GREENHECK	SP-A90	1,2,3,4,5,6
EF-2	TOILET - A108	75	0.20	824	0.01	120	1	60	LIGHTS	-	CEILING	DIRECT	GREENHECK	SP-A90	1,2,3,4,5,6
EF-3	CUSTODIAL - A114	100	0.20	827	0.01	120	1	60	LIGHTS	-	CEILING	DIRECT	GREENHECK	SP-A110	1,2,3,4,5,6
EF-4	TOILET - A115	100	0.20	814	0.01	120	1	60	LIGHTS	-	CEILING	DIRECT	GREENHECK	SP-A200	1,2,3,4,5,6
EF-5	ELECT. - A120	200	0.20	1,241	0.05	120	1	60	THERMOSTAT (BMCS)	L-1A-2	INLINE	DIRECT	GREENHECK	CSPA390-VG	1,2,3,4,5

**GENERAL NOTES:**  
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.  
2. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.  
**REMARKS:**  
1. REFERENCE MANUFACTURER FOR INSTALLATION GUIDE.  
2. PROVIDE BACKDRAFT DAMPER.  
3. PROVIDE WITH DISCONNECT SWITCH.  
4. SUSPEND UNIT WITH FOUR THREADED HANGER RODS ATTACHED TO TWO UNISTRUT RUNNERS SECURED TO STRUCTURE. PROVIDE NEOPRENE ISOLATION. REFER TO MANUFACTURER FOR MORE DETAILS.  
5. PROVIDE WITH FAN SPEED CONTROLLER.  
6. PROVIDE WITH DECORATIVE FACE GRILLE.





ARCHITECT

WHITE SETTLEMENT (SD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE

Issued For Permit



ISSUED: May 30, 2025

REVISIONS

Revision No. Revision Date

Director  
KG  
Designer  
MMA  
Proj. Arch.  
MN

Drawn By  
MMA  
Quality Control

PROJECT NO.

24-103.00

SHEET TITLE

ELECTRICAL SITE PLAN

SHEET NO.

E1.00

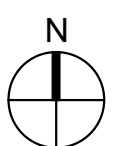
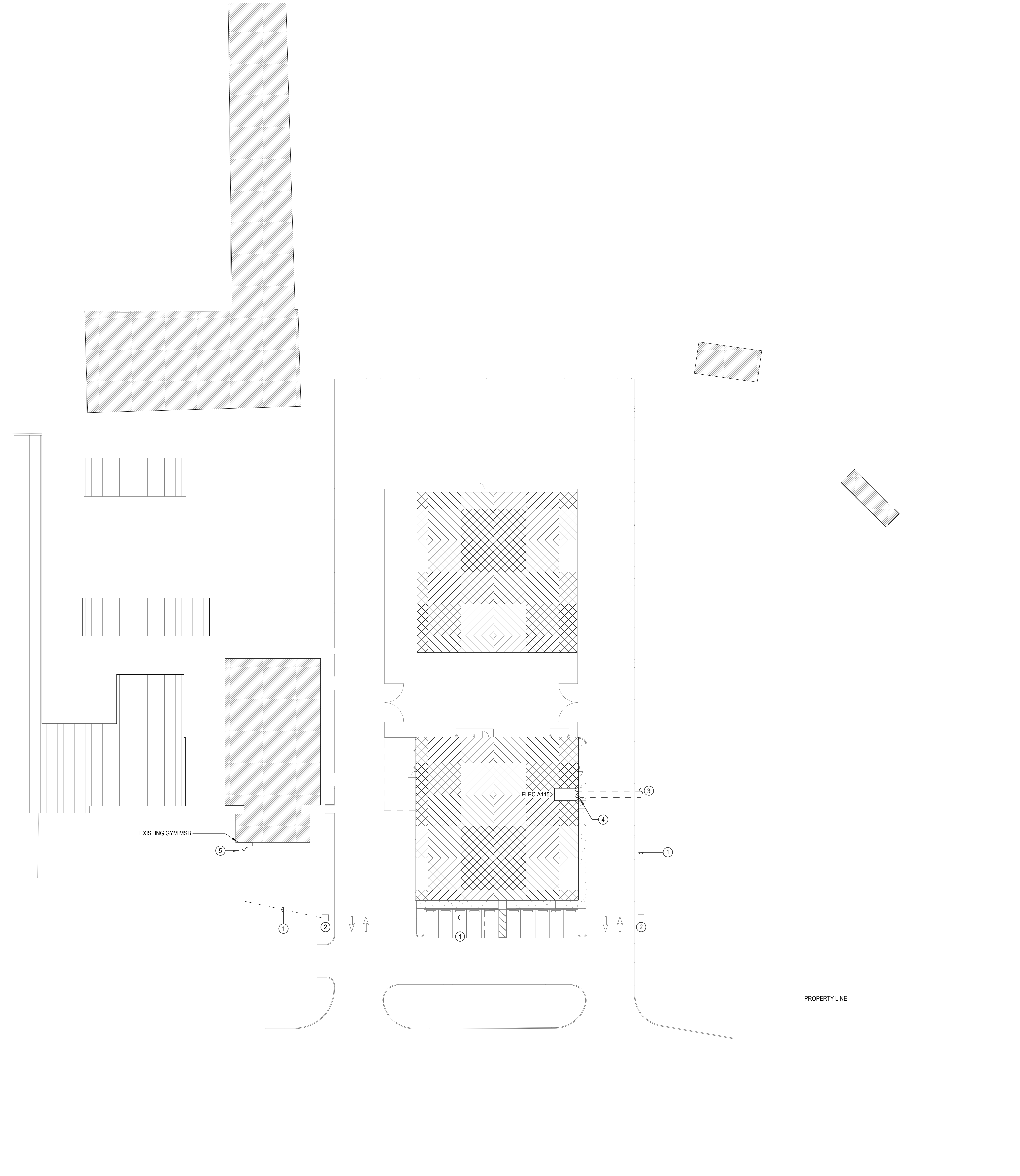
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#### POWER GENERAL NOTES

- ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
- CONTRACTOR SHALL REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT AND SCHEDULES. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL DISCONNECTS, BRANCH CIRCUITRY, STARTERS/CONTROLS, CIRCUIT BREAKERS AND CONNECTIONS REQUIRED TO POWER EQUIPMENT.
- CONTRACTOR TO COORDINATE EXACT LOCATION OF DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
- ALL RECEPTACLES LOCATED WITHIN 6'-0" OF SINK SHALL BE GFCI TYPE.
- CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF RECEPTACLES AND SWITCHES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ELECTRICAL ROUGH-IN. ADJUST DEVICES AS REQUIRED SO THAT NO DEVICES ARE INSTALLED BEHIND CABINETS OR SHELVES.
- ALL BLANK FACE GFCI DEVICES SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION AND NOT BEHIND EQUIPMENT.
- CONTRACTOR SHALL REFER TO TECHNOLOGY SERIES CONSTRUCTION DOCUMENTS FOR EXACT LOCATION AND REQUIREMENTS OF ALL LOW VOLTAGE BACK BOXES, FITTINGS, AND CONDUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL EXTERIOR OUTLETS SHALL BE WP GFI IN METAL WHILE IN USE LOCKABLE ENCLOSURE WITH EXCEPTION TO INTEGRAL RTU RECEPTACLES.

#### ELECTRICAL KEYED NOTES

- CONDUITS FOR ADP: REFER TO ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- PULL BOX WITH HEAVY DUTY COVER. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- PROVIDE UNDERGROUND CONDUIT WITH STUB-UP AND PULLSTRING FOR 2ND PHASE WAREHOUSE FROM PANEL ADP IN ELEC A115. CONDUIT ROUTING AND DEPTH TO ABIDE BY NEC 230.6.
- APPROXIMATE LOCATION OF SERVICE DISCONNECT. REFER TO ONE LINE AND FLOOR PLANS FOR EACH PROJECT FOR MORE INFORMATION.
- INTERCEPT EXISTING STUB-UP CONDUITS WITH PULLWIRE IN THIS APPROXIMATE LOCATION FROM EXISTING GYM MSB TO ROUTE NEW FEEDER TO PANEL 'ADP'. REFER TO ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.



1

#### ELECTRICAL SITE PLAN

Scale: 1" = 30'-0"





ARCHITECT

WHITE SETTLEMENT (SD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE

Issued For Permit



ISSUED: May 30, 2025

REVISIONS

Revision No. Revision Date

Director KG  
Designer MMA  
Proj. Arch. MMA  
MN

Drawn By MMA  
Quality Control

PROJECT NO.

24-103.00

SHEET TITLE

WAREHOUSE - LIGHTING  
PLAN - UNIT A

SHEET NO.

E3.11

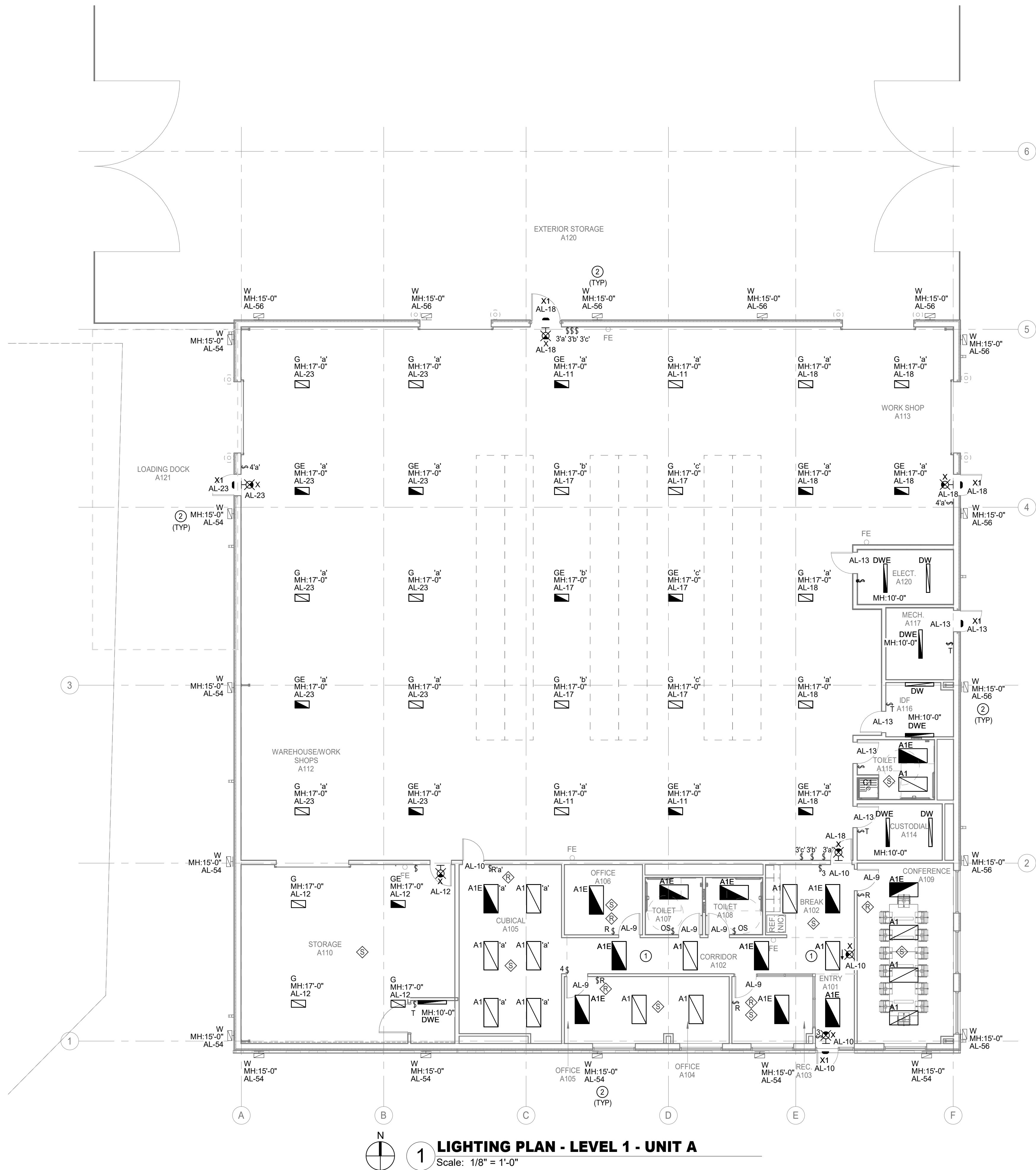
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### ELECTRICAL KEYED NOTES

- 1 LIGHTING CONTROLS IN THIS AREA TO BE FULL AUTOMATIC ON PER 2018 IECC C405.2.1.1
- 2 EXTERIOR LIGHTING CIRCUIT TO BE CONTROLLED VIA BMCS ROUTED THROUGH CONTACTOR

### LIGHTING GENERAL NOTES

- 1 PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.
- 2 ALL JUNCTION BOXES, CONDUITS, AND WIRES SHALL BE SIZED PER NEC.
- 3 CONNECT ALL EXIT LIGHTS AHEAD OF ANY LOCAL OR AUTOMATIC SWITCHING DEVICE. PROVIDE POWER VIA NEAREST LIGHTING CIRCUIT NOT TO EXCEED 16A.
- 4 REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION & MOUNTING HEIGHTS OF ALL LIGHTING FIXTURES SHOWN ON THIS DRAWING.
- 5 REFER TO SHEETS E8.00 FOR LIGHTING FIXTURE SCHEDULE AND LIGHTING CONTACTOR SCHEDULE.
- 6 ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.
- 7 ELECTRICAL CONTRACTOR SHALL CONFIRM COMPATIBILITY OF ALL LIGHTING CONTROL SYSTEMS.
- 8 PROVIDE A CONSTANT HOT FROM PANEL BOARD DIRECTLY TO ALL EMERGENCY BATTERY PACKS IN EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS. EMERGENCY LIGHTING FIXTURES SHALL TURN ON TO FULL BRIGHTNESS IN CASE OF POWER LOSS.
- 9 ALL CLASSROOMS AND SPACES DO NOT REQUIRE DAYLIGHT HARVESTING CONTROLS, UNLESS NOTED ON PLAN. PER 2018 IECC C405.2.3 WATTAGE REQUIREMENT.
- 10 CORRIDOR LIGHTING DOES NOT REQUIRE OCCUPANCY SENSING DEVICES AND/OR DAYLIGHT HARVESTING CONTROLS PER 2018 IECC C405.2 REGARDING EXIT PASSAGEWAYS AND SAFETY/SECURITY REQUIREMENTS.
- 11 LOWER CASE LETTER INDICATES SWITCHING SCHEME.
- 12 ALL ABOVE CEILING POWER PACKS TO BE MOUNTED ABOVE ROOM DOORS REGARDLESS OF SCHEMATIC DESIGN SHOWN ON FLOOR PLANS. E.C. SHALL ENSURE INSTALLATION OF ALL POWER PACKS OCCUR ABOVE ROOM DOORS.



### 1 LIGHTING PLAN - LEVEL 1 - UNIT A

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

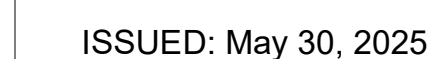




## NEW MAINTENANCE & OPERATIONS WA BEHOI SE

ARCHITECT

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## REVISIONS

Revision No.	Revision Date
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Director	Drawn By
KG	MMA
Designer	Quality Control
MMA	
Proj. Arch.	
MN	

PROJECT NO.

24-103.00

SHEET TITLE

WAREHOUSE - POWER  
PLAN - UNIT A

SHEET NO.

### E3.21

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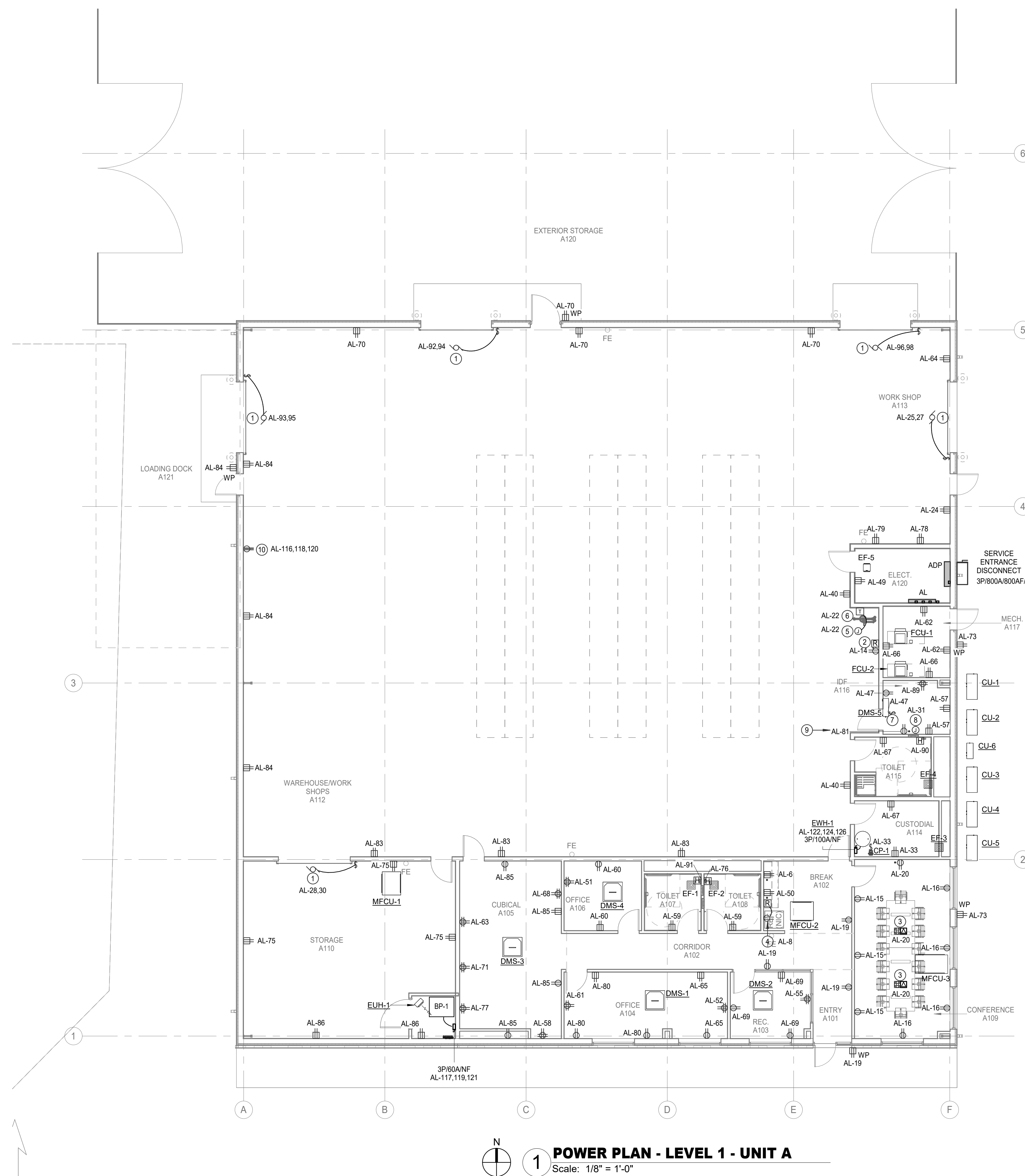
MECHANICAL ROOFTOP EQUIPMENT NOTES	
A	DISCONNECT IS FURNISHED WITH UNIT.
B	GFCI RECEPTACLE IS FURNISHED WITH UNIT AND POWERED AS SHOWN ON PLAN.
C	DISCONNECT TO BE MOTOR-RATED SWITCH.
D	INDOOR UNIT OF MINI-SPLIT SYSTEM TO POWER INDOOR UNIT. REFER TO INDOOR FLOOR PLANS FOR ADDITIONAL INFORMATION.
E	FURNISH AND INSTALL DISCONNECT ADJACENT TO UNIT.
F	PROVIDE LOCAL MEANS OF DISCONNECT AT EQUIPMENT AS INDICATED IN SCHEDULE. REFER TO FLOOR PLAN FOR LOCATION OF VFD.
G	INDOOR UNIT OF MINI-SPLIT SYSTEM TO BE POWERED BY OUTDOOR UNIT.
H	DISCONNECT TO BE 2-POLY SWITCH.

### ELECTRICAL KEYED NOTES

1. PROVIDE POWER AND "OPEN-CLOSE-STOP" KEY OPERATED SWITCH FOR OVERHEAD COIL DOOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH DOOR MANUFACTURER AND ARCHITECT PER TO ELECTRICAL ROUGH-IN.
2. PROVIDE FLUSH MOUNTED REMOTE GFCI DEVICE ADJACENT TO DRINKING FOUNTAIN(S). REFER TO DRINKING FOUNTAIN DETAIL FOR ADDITIONAL VOLTAGE TRANSFORMER AS REQUIRED.
3. CONCEALED SERVICE MULTILAYER FLOOR BOX WITH CAPACITY FOR WIRING DEVICES AND ROUGH-IN.
4. PROVIDE POWER TO REFRIGERATOR. PROVIDE REMOTE GFCI RESET BUTTON.
5. PROVIDE JUNCTION BOX ABOVE CEILING FOR CONNECTION OF EMERGENCY SHOWER WATER LOW DETECTION EQUIPMENT TO 240VOLTAGE TRANSFORMER AS REQUIRED. COORDINATE INSTALLATION WITH SECTION 22. COORDINATE WITH OWNER FOR INTERLOCKING WITH SECURITY SYSTEM.
6. PROVIDE WHEEL/DROPPED RISER-24"X18"X18" EMERGENCY SHOWER WATER FLOW INDICATOR LIGHT. COORDINATE CONNECTION TO 240VOLTAGE SWITCH WITH DIVISION 22. COORDINATE LIGHT LOCATION WITH ARCHITECT PER TO ROUGH-IN.
7. POWER FOR CONDENSATE PUMP. SWITCH TO BE PROVIDED FOR AS MEANS OF DISCONNECT.
8. PROVIDE POWER FOR ACP AT THIS APPROXIMATE LOCATION. COORDINATE POWER REQUIREMENTS WITH MANUFACTURER AND LOCATION WITH ARCHITECT PER TO ROUGH-IN.
9. PROVIDE POWER FOR INTRUSION DETECTION PANEL AT THIS APPROXIMATE LOCATION. COORDINATE POWER REQUIREMENTS AND LOCATION WITH ARCHITECT PER TO ROUGH-IN.
10. PROVIDE POWER FOR FORKLIFT CHARGER AT THIS APPROXIMATE LOCATION. COORDINATE POWER REQUIREMENTS WITH MANUFACTURER AND LOCATION WITH ARCHITECT PER TO ROUGH-IN.

## POWER GENERAL NOTES

- |   |   |
|---|---|
| 1 | ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PROBLEMS PERTAINING TO CIRCUIT AVAILABILITY OR LOAD CAPACITY PRIOR TO INSTALLATION.  |
| 2 | CONTRACTOR SHALL REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL DISCONNECTS, BRANCH CIRCUITS, STARTERS/CONTROLS, CIRCUIT BREAKERS AND CONNECTIONS REQUIRED TO POWER EQUIPMENT. |
| 3 | CONTRACTOR TO COORDINATE LOCATION OF ELECTRICAL DISCONNECT SWITCHES, JUNCTION BOXES AND SINGLE POLE TOGGLE SWITCHES FOR MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.  |
| 4 | ALL RECEPTACLES SHALL BE 15 AMP OR 20 AMP TYPE. ALL OF THE SINK SHALL BE GFI TYPE.  |
| 5 | CONTRACTOR SHALL COORDINATE EXACT LOCATION OF RECEPTABLES AND SWITCHES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ELECTRICAL ROUGH-IN. ADJUST DEVICES AS REQUIRED TO MATCH DEVICES TO ARCHITECTURAL ELEVATIONS.   |
| 6 | ALL BLANK FACE GFI DEVICES SHALL BE ADJUSTED IN A READILY ACCESSIBLE LOCATION AND NOT BEHIND EQUIPMENT.   |
| 7 | CONTRACTOR SHALL REFER TO TECHNOLOGY SERVICE REQUIREMENT DOCUMENTS FOR EXACT LOCATION AND REQUIREMENTS OF ALL LOW VOLTAGE BACKBONES, FITTINGS, AND CONDUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.   |
| 8 | ALL EXTERIOR OUTLETS SHALL BE WP IN GFI METAL W/HE-1 USE LOCKABLE ENCLOSURE WITH KEY TO BE NOTED ON DRAWING.  |





SYMBOL SCHEDULE		
SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)	
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)		
	LIGHT FIXTURE	
	FIXTURE ON EMERGENCY CIRCUIT	
	DOWNLIGHT FIXTURE	
	LIGHT FIXTURE - WALL MOUNTED	
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT	
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT	
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED	
	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED	
SWITCHES		
	LINE VOLTAGE SINGLE POLE SWITCH	
	LINE VOLTAGE 2-POLE SWITCH	
	LINE VOLTAGE 3-WAY SWITCH	
	LINE VOLTAGE 4-WAY SWITCH	
	LINE VOLTAGE KEYED SWITCH	
	LINE VOLTAGE KEYED 3-WAY SWITCH	
	LINE VOLTAGE WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED	
	LINE VOLTAGE WALL MOUNTED DIMMER SWITCH WITH VACANCY SENSOR, MANUAL ON / AUTO OFF.	
	LINE VOLTAGE WALL MOUNTED SWITCH WITH VACANCY SENSOR, MANUAL ON / AUTO OFF.	
	LINE VOLTAGE WALL MOUNTED SWITCH WITH VACANCY SENSOR, AUTO ON / AUTO OFF.	
	LINE VOLTAGE SWITCH WITH PILOT LIGHT	
	MOMENTARY CONTACT SWITCH	
	PUSH BUTTON	
	6-HOUR TIMER SWITCH WITH HOLD	
	6-HOUR TIMER SWITCH WITH NO HOLD	
	20 AMP GENERATOR TRANSFER DEVICE	
LOW VOLTAGE LIGHTING CONTROLS		
	LOW VOLTAGE LIGHTING CONTROLLER WALL SWITCH	
	BMS TIMER LOCAL OVERRIDE SWITCH	
	CEILING MOUNTED PHOTO SENSOR	
	CEILING MOUNTED VACANCY SENSOR, MANUAL ON / AUTO OFF	
	CEILING MOUNTED OCCUPANCY SENSOR, AUTO ON / AUTO OFF	
	LIGHTING CONTROLLER WITH GTD, ZONES AS REQUIRED.	
RECEPTACLES AND OUTLETS		
	SIMPLEX RECEPTACLE	
	DUPLEX RECEPTACLE	
	POWER POLE	
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE	
	CEILING MOUNTED RECEPTACLE	
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE	
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE	
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE	
	FLUSH FLOOR CONCEALED SERVICE DUPLEX RECEPTACLE OUTLET	
	FLUSH FLOOR CONCEALED SERVICE DOUBLE DUPLEX RECEPTACLE OUTLET	
	CONCEALED SERVICE MULTI-ACCESS FLOOR BOX WITH WIRING DEVICES AS INDICATED ON DRAWINGS, SIZE TO MATCH DEVICE QUANTITIES.	
	REMOTE BLANK FACE GFCI DEVICE.	
	PROVIDE DUPLEX RECEPTACLE WITH (2) USB CHARGING PORTS.	
	E.C. TO PROVIDE ROUGH-IN FOR CARD READER JUNCTION BOX. REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.	

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
MISCELLANEOUS EQUIPMENT	
	FIRE ALARM CONTROL PANEL
	FIRE ALARM REMOTE ANNUNCIATOR
	TRANSFORMER FOR DOOR BELL/BUZZER
	CHIME/BUZZER
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	DISCONNECT SWITCH AS REQUIRED
	FUSED DISCONNECT SWITCH AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
	MOTOR STARTER
	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26
ELECTRICAL EQUIPMENT	
	ELECTRICAL DISTRIBUTION OR PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
SUBSCRIPTS AND ABBREVIATIONS	
WP	INDICATES WEATHERPROOF
WG	INDICATES WIREGUARD
H	INDICATES HORIZONTAL
TL	INDICATES TWIST LOCK
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
ERMS	ENERGY REDUCTION MAINTENANCE SWITCH
1-L	REFER TO ONE-LINE DIAGRAM
1-	INDICATES WALL MOUNTED DEVICE
•	NEXT TO ANY SYMBOL, INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES
GENERAL NOTES:	
-ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF NEMA-3R MINIMUM.	

CONTRACTOR NOTES:

IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO NOTIFY THE ARCHITECT OF ANY DISCREPANCIES ENCOUNTERED ON THE PLANS OR IN EXISTING SITE CONDITIONS PRIOR TO COMMENCEMENT OF WORK.  
  
CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF THE WORK. THE BASE PROPOSAL SHALL INCLUDE MODIFICATIONS TO SYSTEMS AND DEVICES AS REQUIRED BY STATE AND LOCAL CODES WHETHER INDICATED OR NOT ON CONTRACT DOCUMENTS. THE SUBMISSIONS OF A PROPOSAL WILL BE EVIDENCE THAT SUCH AN EXAMINATION AND COMPLIANCE WITH GOVERNING CODES/REQUIREMENTS HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED, OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORSEEN HAD AN EXAMINATION AND CODE/REQUIREMENTS REVIEW BEEN MADE, WILL NOT BE ACCEPTED.

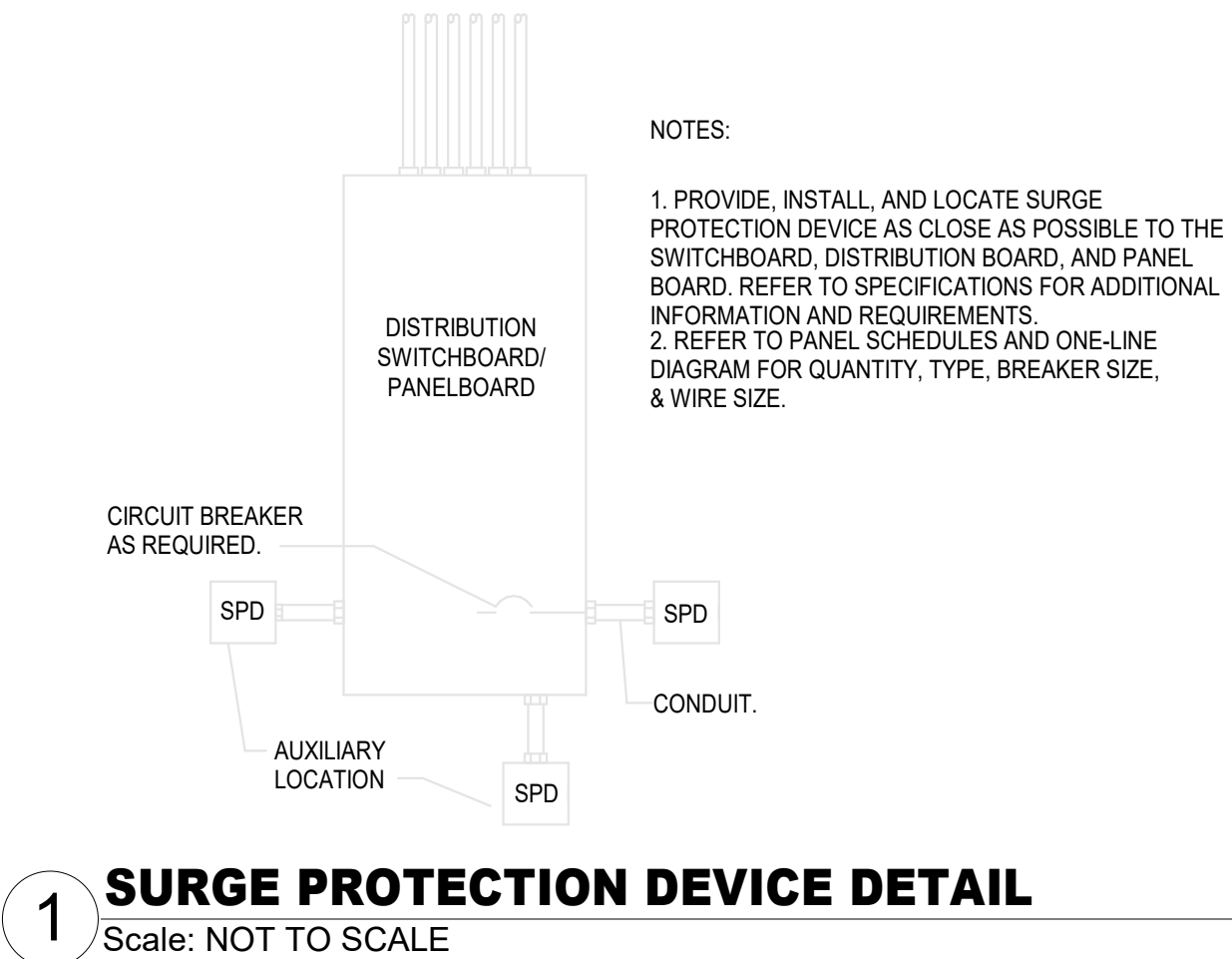
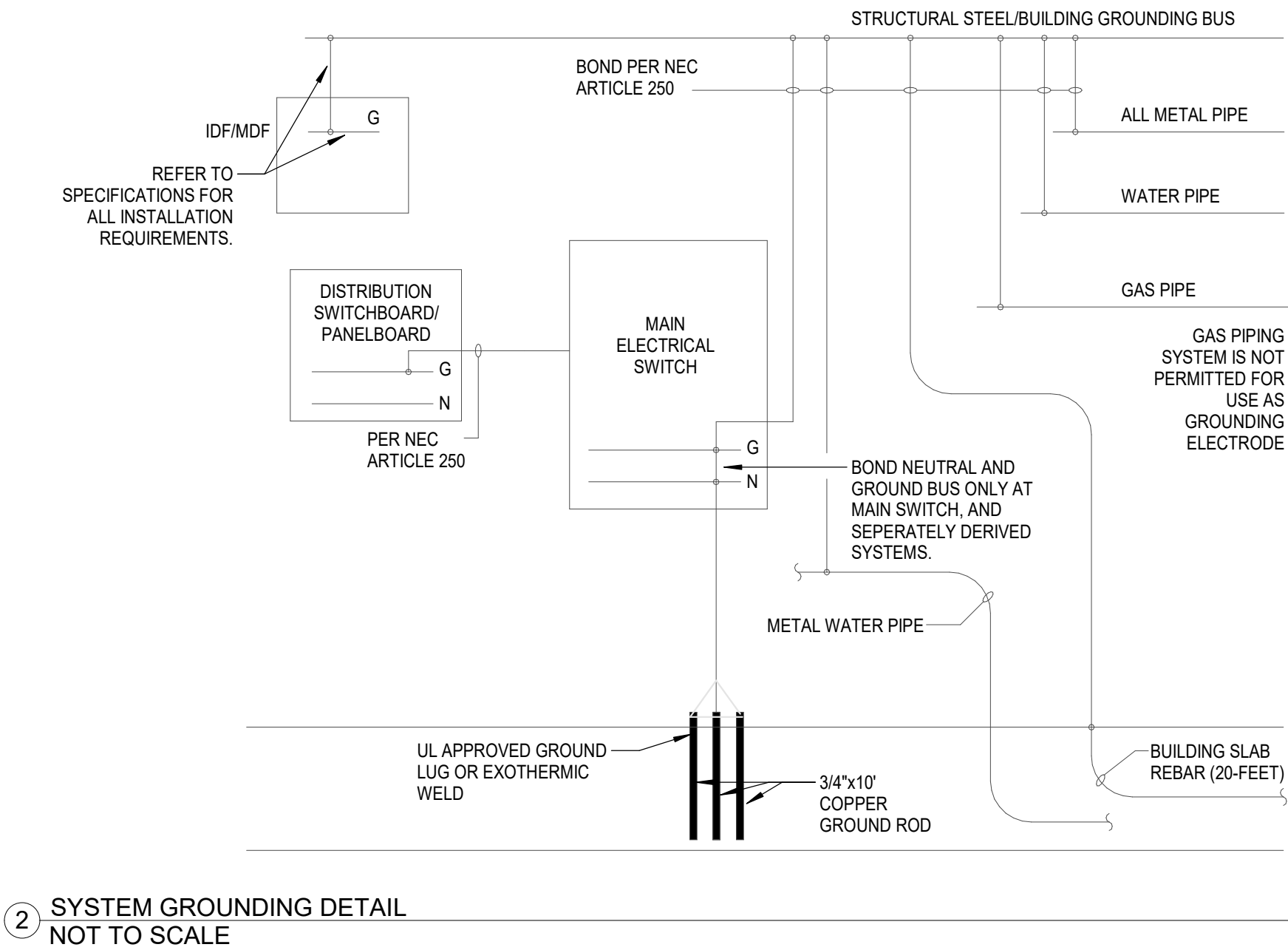
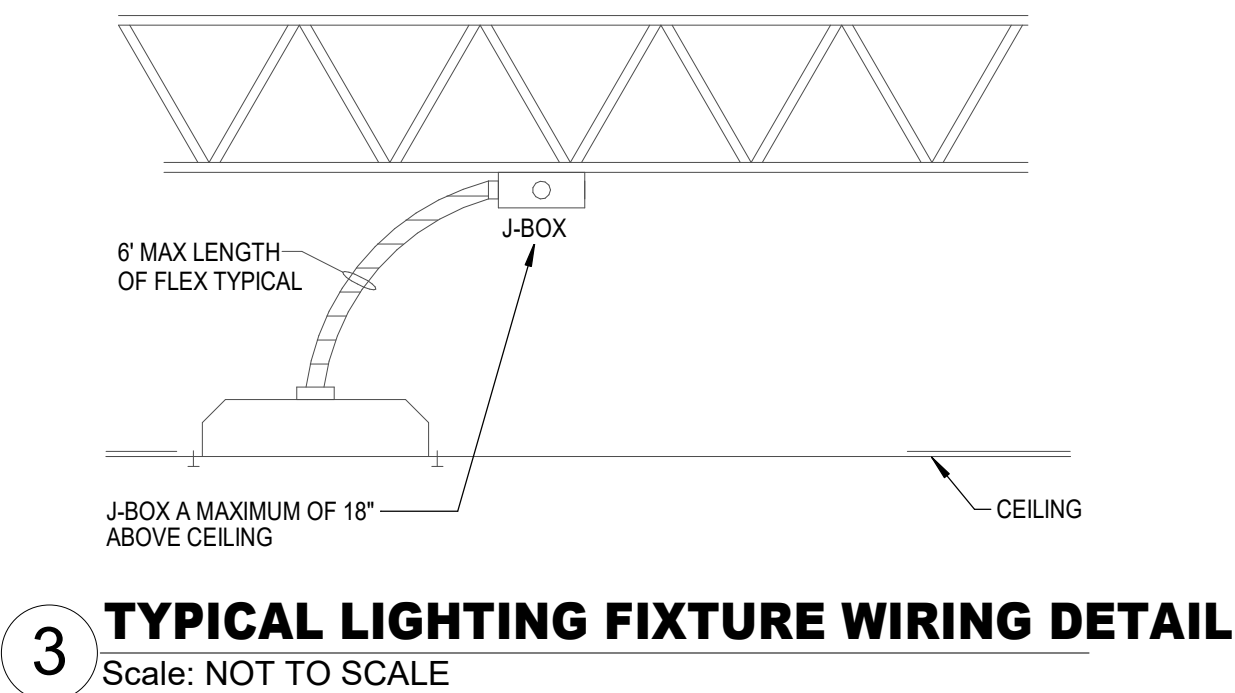
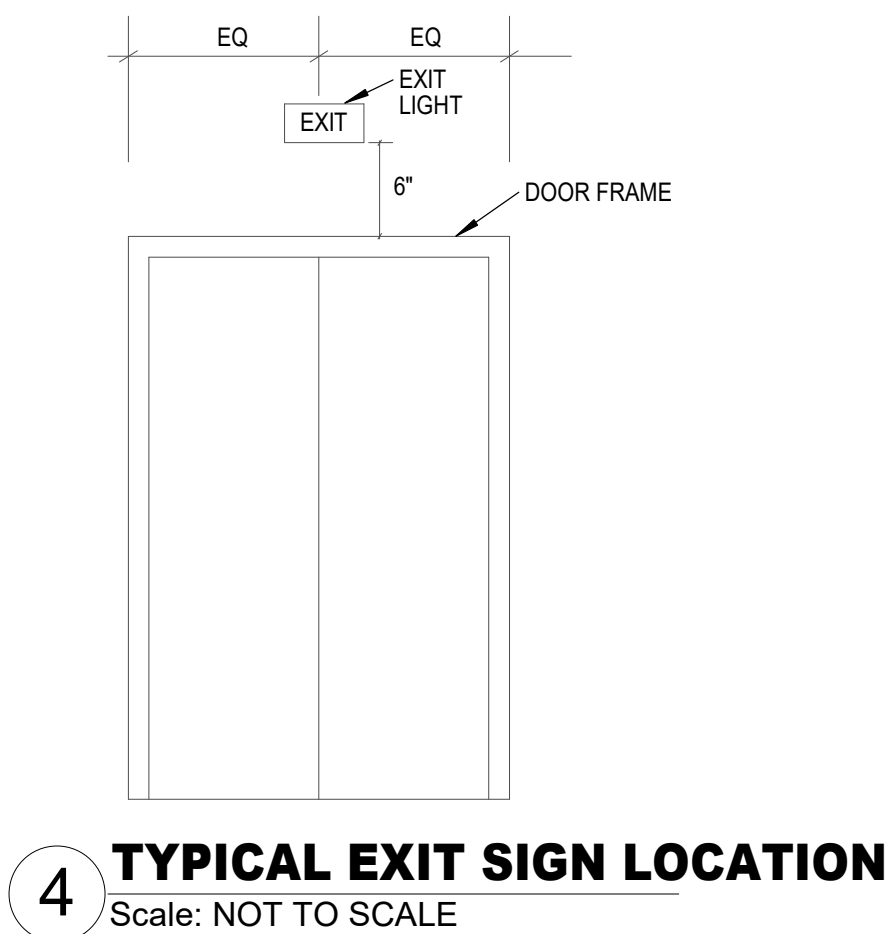
FIRE DETECTION AND FIRE ALARM NOTE:

A LICENSED FIRE ALARM PLANNING SUPERINTENDENT CERTIFIED TO A MINIMUM LEVEL III, IN THE SUB FIELD OF FIRE ALARM SYSTEMS THROUGH THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET) SHALL PROVIDE PLANS AND CALCULATIONS FOR A MANUAL AND AUTOMATIC FIRE DETECTION AND ALARM SYSTEM TO COMPLY WITH THE BUILDING SPACE LAYOUT, BUILDING OCCUPANCY, NFPA 72, LOCAL AND STATE CODE REQUIREMENTS. FURNISH AND INSTALL ALL REQUIRED FIRE ALARM DEVICES, AS REQUIRED BY CODE. VERIFY EXACT REQUIREMENTS IN THE FIELD. COORDINATE ALL LOCATIONS WITH DRAWINGS APPROVED BY AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION. ALL WORK SHALL BE INCLUDED WITHIN BASE BID.

LIGHTING FIXTURE SCHEDULE NOTES									
1	FIXTURES SHOWN ON THE FLOORPLAN HAVING A DESIGNATION OF "E" FOLLOWING THE BASE DESIGNATION (I.E. - A FIXTURE TYPE "AE, C2E, FE") AND/OR A HALF SHADED REGION SHALL BE THE BASE FIXTURE TYPE EQUIPPED WITH THE APPROPRIATE BATTERY BACK-UP. BATTERY BACK-UPS SHALL BE INTEGRAL TO THE FIXTURE AND REMOTE SHALL BE SELECTED ONLY IN INSTANCES WHERE IT IS SPECIFIED OR WHEN IT IS THE ONLY AVAILABLE EMERGENCY OPTION. THE LOCATION OF REMOTE BATTERY BACKUPS SHALL BE SELECTED BY THE OWNER/ARCHITECT PRIOR TO INSTALLATION BY THE CONTRACTOR.								
2	ALL REQUIRED TEST SWITCHES FOR THE BATTERY BACK-UPS SHALL BE INTEGRAL TO THE FIXTURE.								
3	REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT INDICATED IN THE LIGHTING FIXTURE SCHEDULE. WHERE THERE IS AN INCONSISTENCY BETWEEN THE LIGHTING FIXTURE SCHEDULE AND THE SPECIFICATIONS, THE GREATER QUANTITY OR HIGHER QUALITY OF WORK SHALL BE INCLUDED IN THE PROPOSAL.								
4	UNLESS OTHERWISE INDICATED ON THE SCHEDULE ABOVE, THE ARCHITECT/OWNER SHALL SELECT ALL FINISHES, COLORS, AND TRIMS.								
5	ALL LED FIXTURE BOARDS AND DRIVERS SHALL BE OF THE LATEST GENERATION, BASED UPON THE INDIVIDUAL MANUFACTURER'S STATED LITERATURE. IF A "GEN 5" IS AVAILABLE, "GEN 4" FIXTURES ARE NOT ACCEPTABLE.								
6	EXIT SIGNS AND EMERGENCY BATTERY BACK-UPS SHALL BE CONNECTED TO THE NEAREST LIGHTING CIRCUIT AHEAD OF ALL SWITCHING AS REQUIRED TO MAINTAIN THE BATTERIES AT FULL CHARGE. THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL WIRING AS REQUIRED.								
7	LIGHTING FIXTURE MANUFACTURERS OTHER THAN THOSE LISTED IN THE LIGHTING FIXTURE SCHEDULE AND DESIRING TO BID THIS PROJECT SHALL REQUEST PRIOR APPROVAL OF THE FIXTURES THEY WISH TO SUBSTITUTE. PRIOR APPROVAL REQUEST SHALL INCLUDE FIXTURE CUT SHEETS.								
8	FOR PRIOR APPROVALS AND SUBMITTALS THAT DEVIATE FROM NOMINAL VOLTAGE AND/OR DELIVERED LUMENS, IT SHALL BE UP TO THE ENGINEER'S SOLE DISCRETION TO APPROVE OR DECLINE THESE FIXTURES BASED ON ANY AND ALL FACTORS INCLUDING BUT NOT LIMITED TO INTENDED LIGHTING LEVELS FOR EACH SPACE AND IMPACT ON THE OVERALL ELECTRICAL POWER SYSTEM.								
9	ALL LIGHTING SPECIFIED SHALL BE 4000K INTERIOR UNLESS NOTED OTHERWISE.								
10	THE CONTRACTOR SHALL PROVIDE ALL HARDWARE AND ACCESSORIES AS REQUIRED TO INSTALL FIXTURES IN LOCATIONS AS ILLUSTRATED WITH MOUNTING METHODS DESIRED.								
11	WHEN A UNIVERSAL (120-277V) VOLTAGE OPTION IS AVAILABLE, IT SHALL BE PROVIDED. OTHERWISE PROVIDE AS INDICATED IN SCHEDULE.								
12	FOR ALL SUSPENDED FIXTURES, COORDINATE THE EXACT MOUNTING ELEVATION ABOVE FINISHED FLOOR WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE SUSPENSION HARDWARE IN LENGTHS AS REQUIRED.								
13	ALL EXTERIOR LIGHT FIXTURES RECESSED IN A CANOPY OR SURFACED MOUNTED DIRECTLY TO THE BOTTOM OF A CANOPY SHALL BE UL OR ETL LISTED AS WET LOCATION, WHERE SPECIFICALLY STATED IN THE LIGHTING FIXTURE SCHEDULE AS "DAMP LOCATION" FIXTURES AND PROTECTED BY THE BUILDING STRUCTURE FROM FALLING OR WIND DRIVEN RAIN OR SNOW, THEY MAY BE EITHER DAMP OR WET LOCATION LISTED.								
14	ALL EXTERIOR LIGHT FIXTURES NOT RECESSED IN A CANOPY OR SURFACED MOUNTED DIRECTLY TO THE BOTTOM OF A CANOPY SHALL BE UL OR ETL LISTED AS WET FROM ABOVE LOCATION.								

LIGHTING FIXTURE SCHEDULE										
Type Mark	MANUFACTURER	CATALOG NUMBER		MOUNTING	LAMP TYPE	CCT	CRI	VOLTAGE	LOAD	REMARKS
			MODEL							
A1	METALUX	24C22-40VHE-UNV-L840-CD1		RECESSED	4042L LED	4000 K	80	120 V	26 W	IC RATED 2'X4' LED CENTER BASKET TROFFER
A1E	METALUX	24C22-40VHE-UNV-L840-CD1-EL14WSD		RECESSED	4042L LED	4000 K	80	120 V	26 W	SAME AS FIXTURE TYPE A EXCEPT WITH 90-MINUTE EMERGENCY BATTERY PACK
C1	HALO	H0C6P200D10		RECESSED	2000L LED	4000 K	80	120 V	21 W	IC RATED 6-INCH MEDIUM BEAM DOWNLIGHT.
DW	METALUX	4LED-LD55-W-UNV-L840-CD1		SURFACE / PENDANT	5000L LED	4000 K	80	120 V	31 W	4" LENSED LED STRIPLIGHT WITH WIREGUARD AND 0-10V DIMMING DRIVER.
DWE	METALUX	4LED-LD55-W-UNV-L840-CD1-EL14W		SURFACE / PENDANT	5000L LED	4000 K	80	120 V	31 W	SAME AS FIXTURE TYPE DW EXCEPT WITH 90-MINUTE EMERGENCY BATTERY PACK
G	METALUX	BMK-18-WCL-UNV-L840-CD-FINISH-C10-MS360-U		PENDANT	18000L LED	4000 K	80	120 V	114 W	STEM MOUNTED ROUND LED HIGHBAY WITH INTEGRAL OCCUPANCY SENSOR
GE	METALUX	BMK-18-WCL-UNV-L840-EL20-W-REM-CD-FINISH-C10-MS360-U		PENDANT	18000L LED	4000 K	80	120 V	114 W	SAME AS FIXTURE TYPE G EXCEPT WITH 90-MINUTE EMERGENCY BATTERY PACK
W	MCGRAW-EDISON	1ST-SA1C-730-U-14FT-FINISH		WALL	4559L LED	3000 K	80	120 V	34 W	IDA APPROVED MOUNT FIXTURE AT +15'-0" AFF
X	EVENLITE	AUR-FINISH		WALL / SURFACE	LED	4000 K	80	120 V	2 W	UNIVERSAL LED EXIT SIGN WITH WHITE HOUSING, RED LETTERING AND EMERGENCY BATTERY BACK-UP OR EQUAL
X1	EVENLITE	WW-EM-FINISH-PHOTOCELL		WALL	1530L LED	3000 K	80	120 V	17 W	WALL MOUNTED LED LIGHT FIXTURE WITH 90-MINUTE EMERGENCY BATTERY PACK.

CONTRACTOR SCHEDULE								
CONTRACTOR ID	LOAD DESCRIPTION	CONTRACTOR RATINGS				CONTROL CIRCUIT		CONTROL TYPE
		VOLTS	AMPS	POLES	CIRCUITS	VOLTS	CIRCUIT	
1	LIGHTING	277	30	4	AL-54, AL-56	120	AL-7	BUILDING MANAGEMENT



ARCHITECT

WHITE SETTLEMENT (SD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE

Issued For Permit

ISSUED: May 30, 2025

REVISIONS

Revision No. Revision Date

Director  
KG  
Designer  
MMA  
Proj. Arch.  
MN

Drawn By  
MMA  
Quality Control

PROJECT NO.  
24-103.00

SHEET TITLE  
ELECTRICAL DETAILS

SHEET NO.  
E6.00

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PROJECT NO.

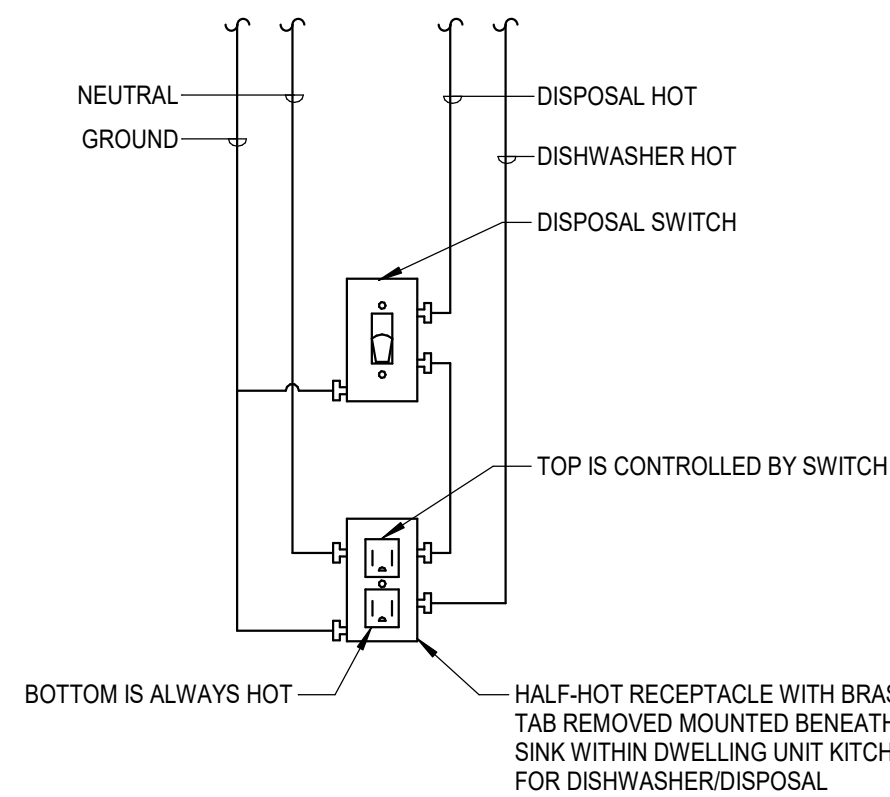
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SHEET TITLE

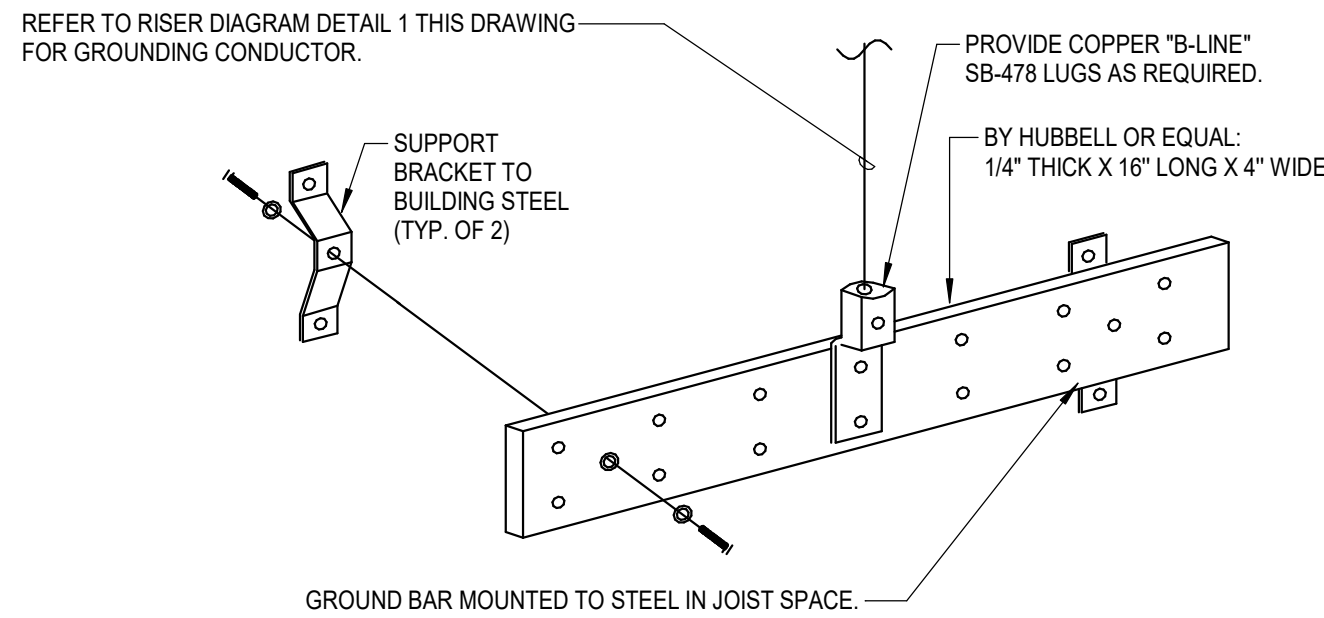
ELECTRICAL DETAILS

SHEET NO.

E6.01

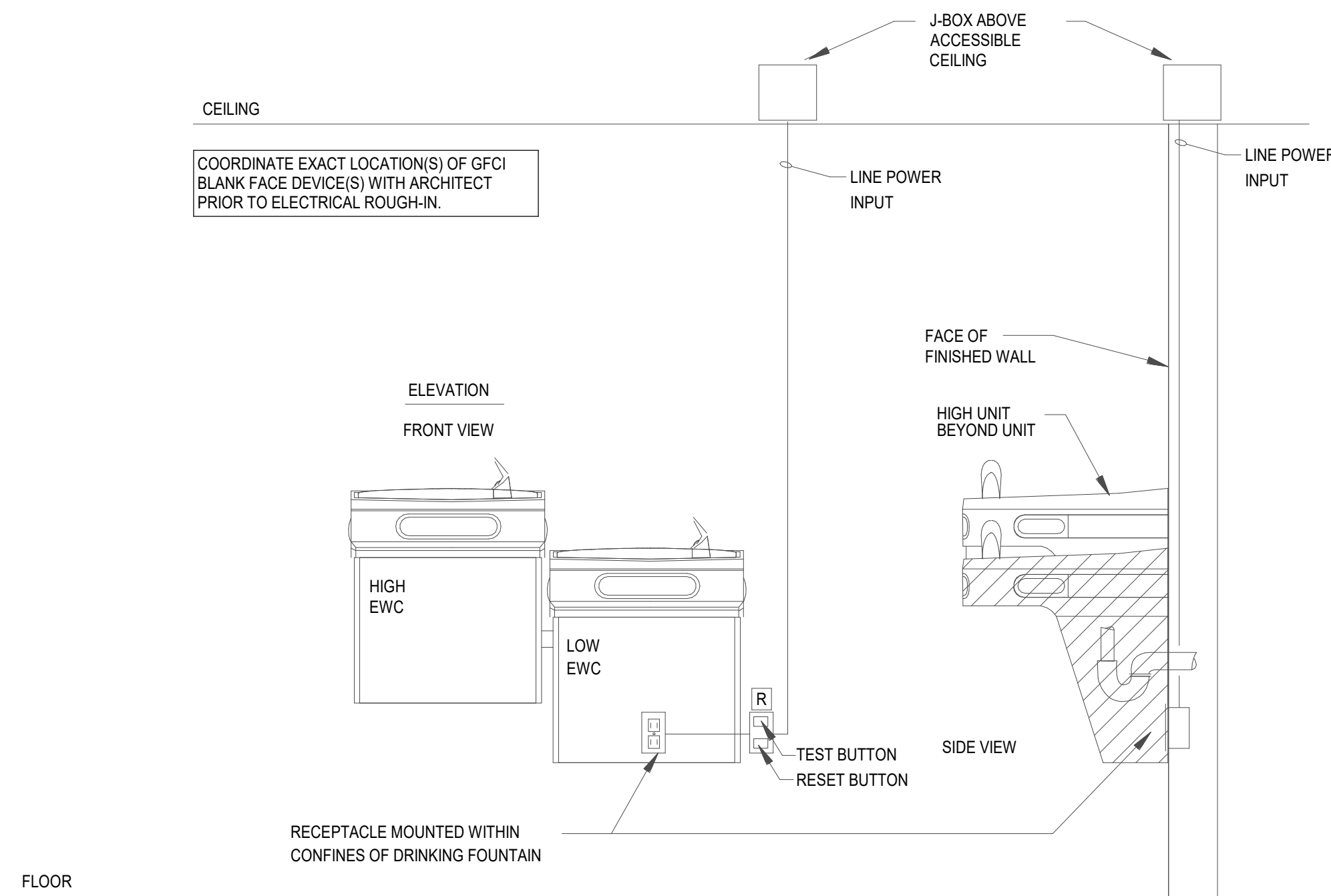


5 ELECTRICAL DISHWASHER DISPOSAL POWER DETAIL  
Scale: NOT TO SCALE



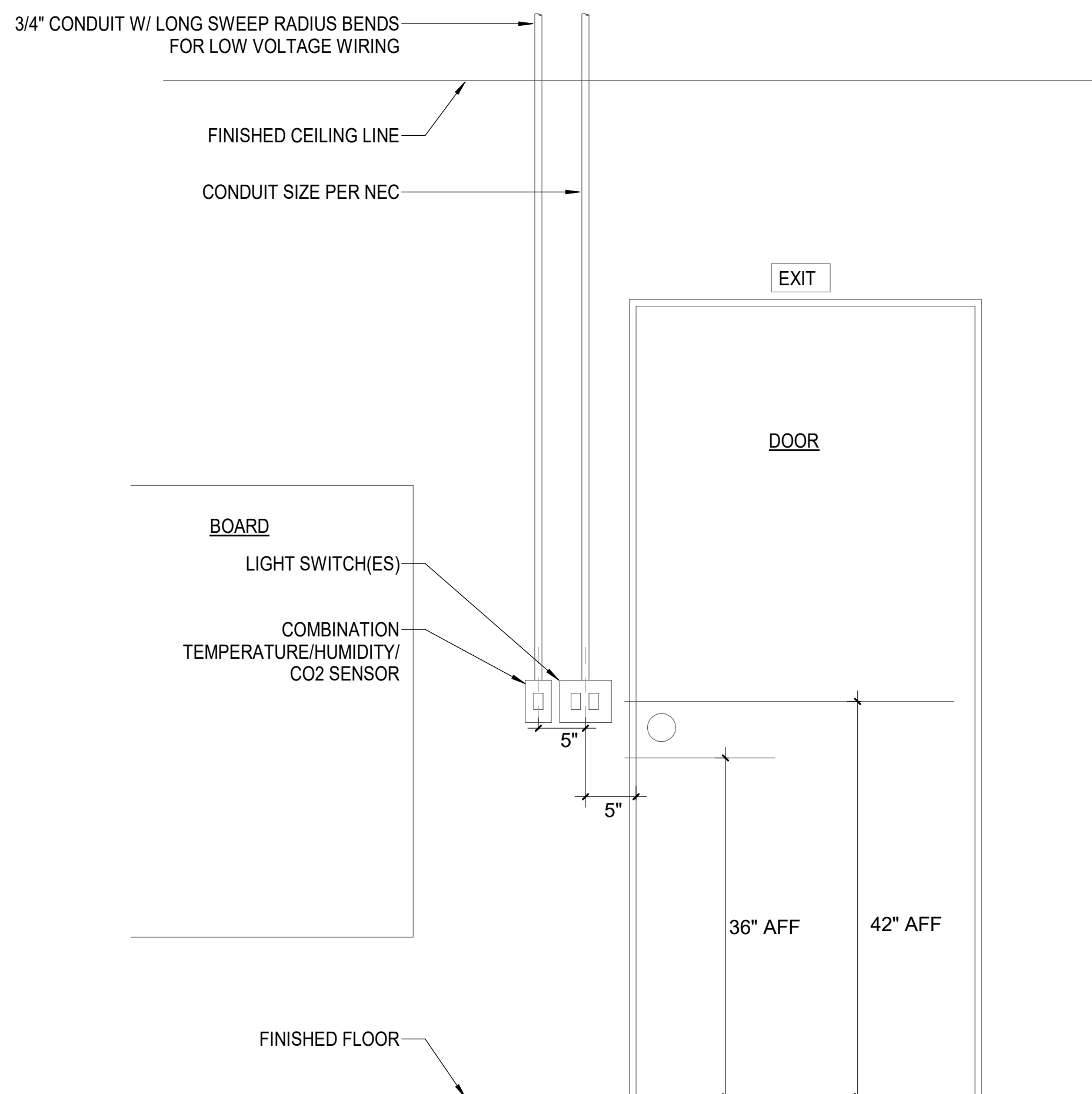
NOTICE TO BIDDERS:  
GROUND BAR IS A LONG LEAD ITEM. COORDINATE  
DELIVERY DATE WITH CONSTRUCTION TIMELINE SO AS  
NOT TO DELAY CABLING INSTALLATION.

2 GROUND BAR DETAIL  
Scale: N.T.S.

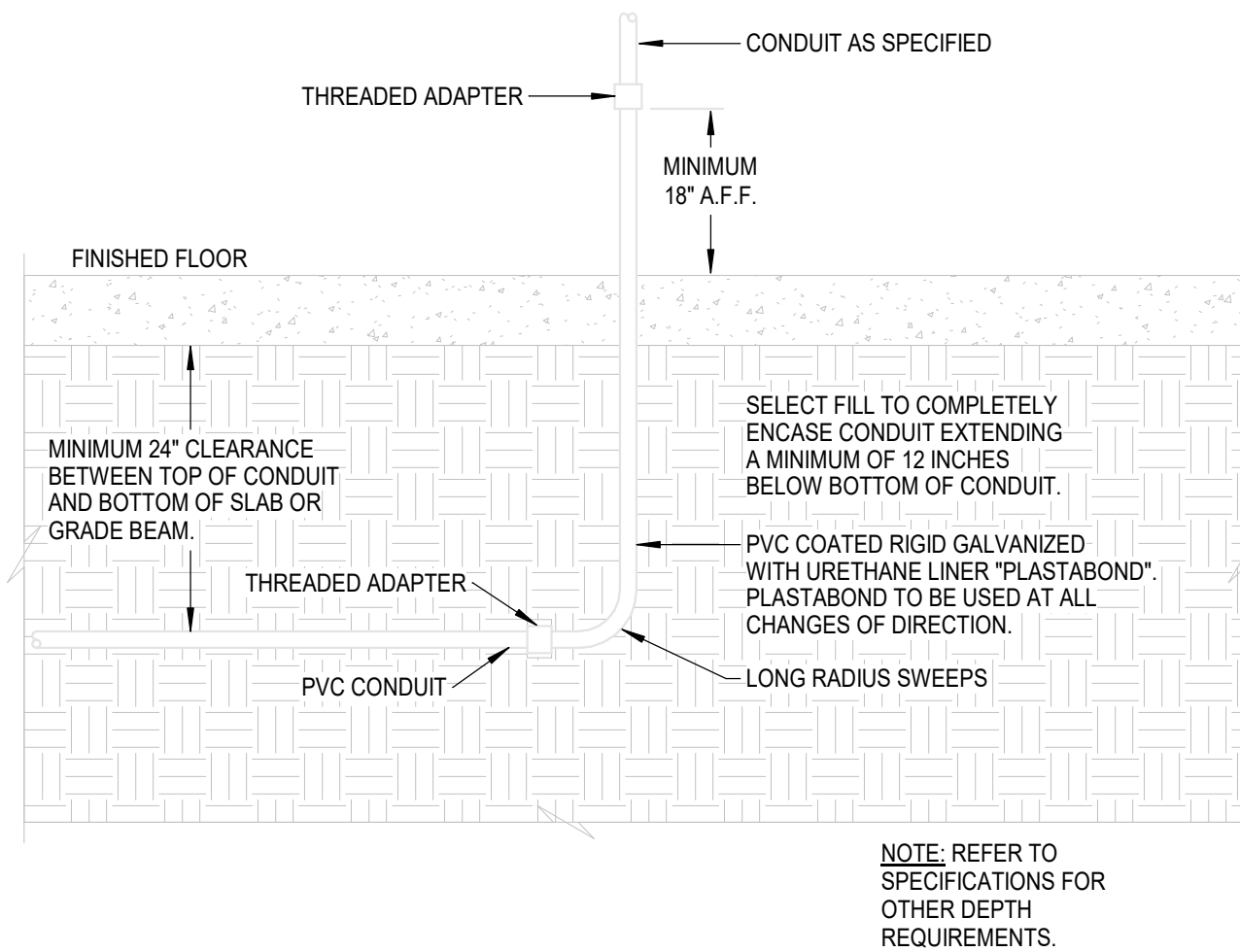


4 ELECTRICAL REQUIREMENTS AT WATER FOUNTAIN  
Scale: NOT TO SCALE

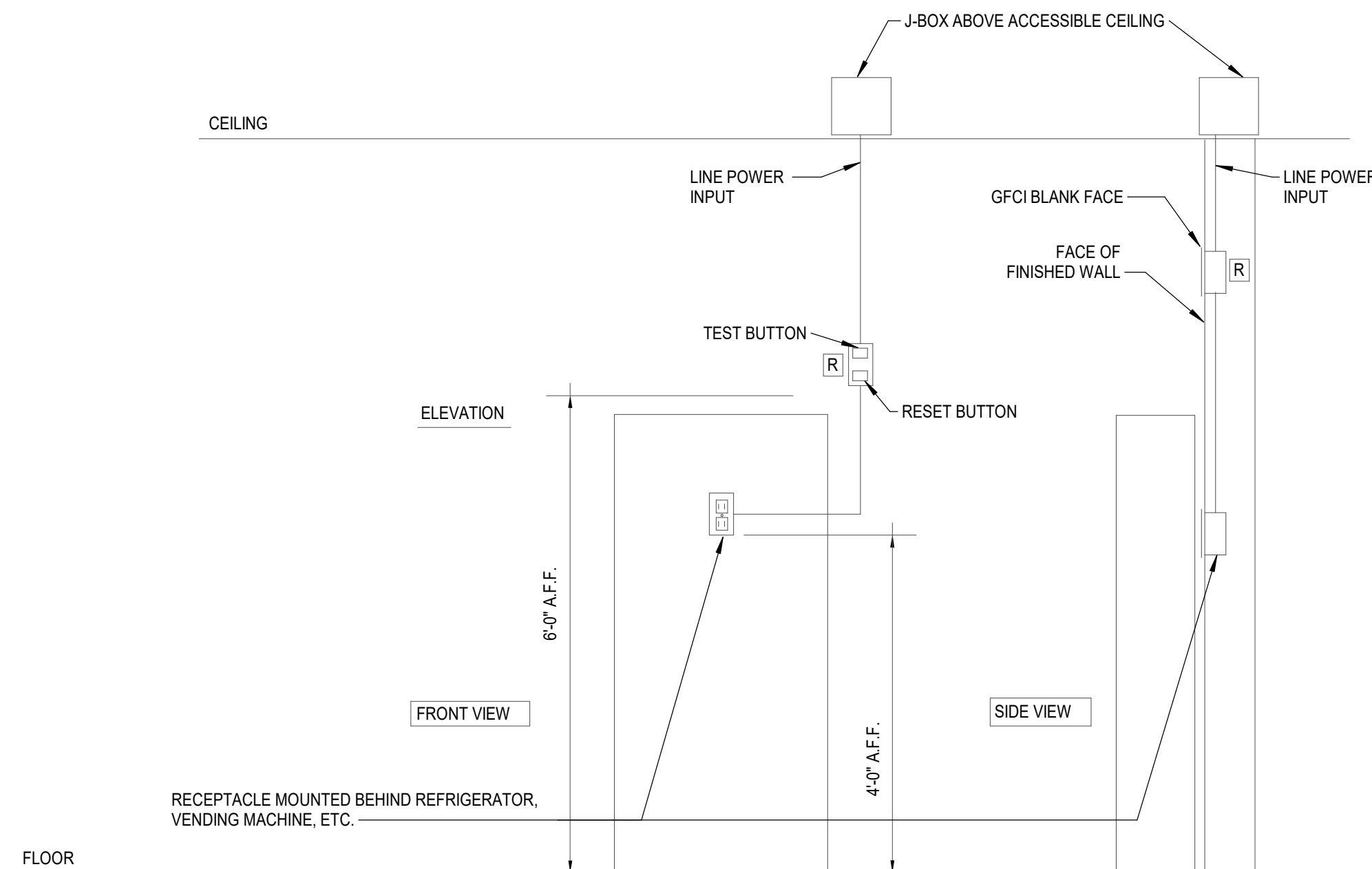
- NOTES:
- ELECTRICAL, MECHANICAL, AND BMCS CONTRACTORS MUST COORDINATE ALL DIVISION 26 REQUIREMENTS.
  - REFER TO MECHANICAL DRAWINGS FOR ALL BMCS SENSOR LOCATIONS.
  - ALL CONDUIT SYSTEMS AND BACK-BOXES SHALL BE PROVIDED BY DIVISION 26.
  - ALL BMCS SENSORS AND ASSOCIATED WIRING SHALL BE PROVIDED BY BMCS CONTRACTOR.



1 TYPICAL DOOR ROUGH-IN DETAIL  
Scale: N.T.S.



6 CONDUIT BELOW BUILDING SLAB  
Scale: NOT TO SCALE



3 GFCI REQUIRED EQUIPMENT DETAIL  
Scale: NOT TO SCALE





ARCHITECT

WHITE SETTLEMENT ISD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE

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MN

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MMA  
Quality Control

PROJECT NO.

24-103.00

SHEET TITLE

ONE LINE DIAGRAM

SHEET NO.

E7.00

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Branch Panel: AL													
Location: MECH. A117					Volts: 120/208 Wye				A.I.C. Rating: 42,000				
Supply From: ADP					Phases: 3				Enclosure: Type 1				
Mounting: Recessed					Wires: 4				Mains: 400A MCB				
Phase in kVA													
Note	CKT	Circuit Description	Wire	Breaker	A	B	C	Breaker	Wire	Circuit Description	CKT	Note	
	3	SPD	#6	60	3	0.0/0.0		1	20	#12 EF-1 TOILET A108	2		
	5					0.0/0.0		1	20	#12 EF-5 ELECT. A115	4		
	7	BMCS	#12	20	1	0.1/0.2		1	20	#12 Receptacles BREAK A101	6		
	9	Lighting Room A110, A107, A105, A104, A103...	#12	20	1		0.3/0.4	1	20	#12 Lighting Room A122, A102, A101, A106	10		
	11	Lighting Room A116, A115, A117, A119, A118	#12	20	1	0.3/0.5		1	20	#12 Lighting Storage A112	12		
	15	Receptacles CONFERENCE A110	#12	20	1		0.5/0.7	1	20	#12 Receptacles WAREHOUSE/WORK SHOPS A111	14		
	17	Lighting WAREHOUSE/WORK SHOPS A111	#12	20	1			1	20	#12 Receptacles CONFERENCE A110	16		
	19	Receptacles BREAK A101	#12	20	1	0.7/0.9		1	20	#10 Lighting Room A111, A114	18		
	21	EF-3 CUSTODIAL A119	#12	20	1		0.0/0.2	1	20	#12 Receptacles CONFERENCE A110	20		
	23	Lighting Room A111, A113	#12	20	1			1	20	#12 Receptacles WAREHOUSE/WORK SHOPS A111	22		
	25							1	20	#6 Receptacles WORK SHOP A114	24		
	27	OVERHEAD COIL DOOR WORK SHOP A114	#12	20	2	0.3/0.0		1	20	#12 EF-2 TOILET A109	26		
	29	EF-4 TOILET A118	#12	20	1		0.3/0.3	2	20	#12 OVERHEAD COIL DOOR STORAGE A112	28		
	31	ACP IDF A116	#12	20	1	0.2/1.5		2	20	#12 CUH-1 MECH. A116	30		
	33	Receptacles CUSTODIAL A119	#12	20	1		0.2/1.5		2	#12		32	
	35	FCU-1 MECH. A116	#12	15	2		0.7/0.7	2	15	#12 FCU-2 MECH. A116	34		
	37						0.7/0.7	2	15	#12 Receptacles WORK SHOP A114	36		
	39	DMS-1 OFFICE A104	#12	15	2		0.7/0.4		1	20	#12	38	
	41							2	15	#12		40	
	43	CU-4 OUTDOOR	#12	20	2	2.1/1.3		2	15	#12 CU-6 OUTDOOR	42		
	45					2.1/2.1		2	15	#12 CU-5 OUTDOOR	44		
	47	Receptacles, COND PUMP IDF A117	#12	20	1		0.2/2.1	2	20	#12 CU-5 OUTDOOR	46		
	49	Receptacles ELECT. A115	#12	20	1	0.2/0.2		1	20	#12 Receptacles BREAK A101	48		
	51	Receptacles OFFICE A107	#12	20	1		0.4/0.4	1	20	#12 Receptacles OFFICE A104	50		
--	53	SPARE	--	20	1			0.0/0.3	1	#12 South/West Exterior Facade Lighting	52		
	55	Receptacles REC. A103	#12	20	1	0.4/0.3		1	20	#12 North/East Exterior Facade Lighting	54		
	57	Receptacles IDF A117	#12	20	1		0.4/0.4	1	20	#12 Receptacles CUBICAL A106	56		
	59	Receptacles TOILET A108, 109	#12	20	1			0.4/0.4	1	#12 Receptacles OFFICE A107	58		
	61	Receptacles OFFICE A105	#12	20	1	0.4/0.4		1	20	#12 Receptacles MECH. A116	60		
	63	Receptacles CUBICAL A106	#12	20	1		0.4/0.5	1	20	#8 Receptacles WORK SHOP A114	62		
	65	Receptacles OFFICE A104	#12	20	1			0.4/0.4	1	#12 Receptacles MECH. A116	64		
	67	Receptacles CUSTODIAL A119, A118	#12	20	1	0.4/0.4		1	20	#12 Receptacles CUBICAL A106	66		
	69	Receptacles REC. A103	#12	20	1		0.5/0.7	1	20	#12 Receptacles WAREHOUSE/WORK SHOPS A111	68		
	71	Receptacles CUBICAL A106	#12	20	1			0.4/0.1	1	#12 FIRE/SMOKE DAMPERS	70		
	73	Maintenance Receptacles	#12	20	1	0.4/0.1		1	20	#12 FIRE ALARM SAFETY DEVICES	72		
	75	Receptacles STORAGE A112	#8	20	1		1.5/1.0	1	20	#12 HAND DRYER TOILET A109	74		
	77	Receptacles CUBICAL A106	#12	20	1			0.4/0.5	1	#10 Receptacles WORK SHOP A114	76		
	79	Receptacles WORK SHOP A114	#8	20	1	0.5/0.5		1	20	#12 Receptacles OFFICE A105	78		
	81	INTRUSION DETECTION PANEL IDF A116	#12	20	1	0.2/0.0		1	20	-- SPARE	80	--	
	83	Receptacles STORAGE A113	#12	20	1			0.5/0.7	1	#12 Receptacles WAREHOUSE/WORK SHOPS A111	82	--	
	85	Receptacles CUBICAL A106	#12	20	1	0.7/1.5		1	20	#8 Receptacles	84	--	
--	87	SPARE	--	20	1	0.0/0.0		1	20	-- SPARE	86	--	
	89	Tech Rack IDF A117	#12	20	1			1.5/1.0	1	#12 HAND DRYER TOILET A118	88		
	91	HAND DRYER TOILET A108	#12	20	1	1.0/0.3		2	20	#12 OVERHEAD COIL DOOR WAREHOUSE/WORK...	90		
	93	OVERHEAD COIL DOOR WAREHOUSE/WORK...	#12	20	2	0.3/0.3		2	20	#12 OVERHEAD COIL DOOR WAREHOUSE/WORK...	92		
	95		#12	20	2	0.3/0.3		2	20	#12 OVERHEAD COIL DOOR WORK SHOP A114	94		
	97		#12	20	2	0.7/0.3		2	20	#12 OVERHEAD COIL DOOR WORK SHOP A114	96		
	99	DMS-2 REC. A103	#12	15	2	0.7/0.7		2	15	#12 DMS-3 CUBICAL A105	98		
	101		#12	15	2	0.7/0.9		2	15	#12 MFCU-1 STORAGE A112	100		
	103	DMS-4 OFFICE A106	#12	15	2	0.9/0.9		2	15	#12 MFCU-3	102		
	105	MFCU-2	#12	15	2	3.1/0.9		2	15	#12 MFCU-3	104		
	107		#12	15	2	3.1/0.9		2	15	#12 MFCU-3	106		
	109	CU-1 OUTDOOR	#10	30	2	3.1/3.1		2	30	#10 CU-2 OUTDOOR	108		
	111		#10	30	2	3.1/3.1		2	30	#10 CU-2 OUTDOOR	110		
	113	CU-3 OUTDOOR	#10	30	2	3.1/1.0		3	50	#12 FORKLIFT CHARGER WAREHOUSE/WORK SHOPS A111	112		
	115		#10	30	2	2.1/1.0		3	50	#12 FORKLIFT CHARGER WAREHOUSE/WORK SHOPS A111	114		
	117		#10	30	2	2.1/1.0		3	50	#12 FORKLIFT CHARGER WAREHOUSE/WORK SHOPS A111	116		
	119	BP-1	#8	35	3	2.1/1.0		3	85	#4 EWH-1 CUSTODIAL A119	118		
	121		#8	35	3	2.1/8.0		3	85	#4 EWH-1 CUSTODIAL A119	120		
--	123	SPARE	--	20	1	0.0/8.0		3	85	#4 EWH-1 CUSTODIAL A119	122		
--	125	SPARE	--	20	1	0.0/8.0		1	20	-- SPARE	124		
--	127	SPARE	--	20	1	0.0/0.0		1	20	-- SPARE	126		
--	129	SPARE	--	20	1	0.0/0.0		1	20	-- SPARE	128		
--	131	SPARE	--	20	1	0.0/0.0		1	20	-- SPARE	130		
--	133	SPARE	--	20	1	0.0/0.0		1	20	-- SPARE	132		
--	135	SPARE	--	20	1	0.0/0.0		1	20	-- SPARE	134		
--	137	SPARE	--	20	1	0.0/0.0		1	20	-- SPARE	136		
--	139	SPARE	--	20	1	0.0/0.0		1	20	-- SPARE	138		
--	141	SPARE	--	20	1	0.0/0.0		1	20	-- SPARE	140		
--	143	SPARE	--	20	1	0.0/0.0		1	20	-- SPARE	142		
--	145	SPARE	--	20	1	0.0/0.0		1	20	-- SPARE	144		
Total Load:					37.7 kVA	36.9 kVA	38.7 kVA						
Total Amps:					315 A	307 A	323 A						
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals								
HVAC		73.7 kVA	100.00%	73.7 kVA									
Heating		3.0 kVA	100.00%	3.0 kVA	Total Conn. Load: 113.2 kVA								
Lighting		5.3 kVA	125.00%	6.6 kVA	Total Est. Demand: 108.6 kVA								
Miscellaneous		9.4 kVA	100.00%	9.4 kVA	Total Conn. Current: 314 A								
Receptacles		21.9 kVA	72.83%	16.0 kVA	Total Est. Demand Current: 301 A								
Notes:													
Abbreviations:													
G - PROVIDE GFCI CIRCUIT BREAKER													
LF - PROVIDE PERMANENT LOCK-OFF DEVICE													
LO - PROVIDE PERMANENT LOCK-ON DEVICE													
A - BRANCH CIRCUIT INCLUDED BY ALTERNATE													

Switchboard: ADP							
Location: ELECT. A120			Volts: 120/208 Wye		A.I.C. Rating: 42,000		
Supply From: Utility			Phases: 3		Enclosure: Type 1		
Mounting: Surface			Wires: 4		Mains Rating: 800A MLO		
CKT	Circuit Description		Trip Rating	# of Poles	Load	Wire	Remarks
1	SPD		100	3	0.1 kVA	1L	
2	AL		400	3	113.2 kVA	1L	
3	PREPARED SPARE		400	3	0.0 kVA		
4	PREPARED SPACE		100	3	0.0 kVA		
5	PREPARED SPACE		100	3	0.0 kVA		
6	PREPARED SPACE		100	3	0.0 kVA		
					Total Conn...	113.3 kVA	
					Total Amps:	315	
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals		
HVAC		73.7 kVA	100.00%	73.7 kVA			
Lighting		5.3 kVA	125.00%	6.6 kVA	Total Conn. Load: 113.3 kVA		
Miscellaneous		9.5 kVA	100.00%	9.5 kVA	Total Est. Demand: 108.7 kVA		
Receptacles		21.9 kVA	72.83%	16.0 kVA	Total Conn. Current: 315		
Heating		3.0 kVA	100.00%	3.0 kVA	Total Est. Demand... 302		
Notes:							



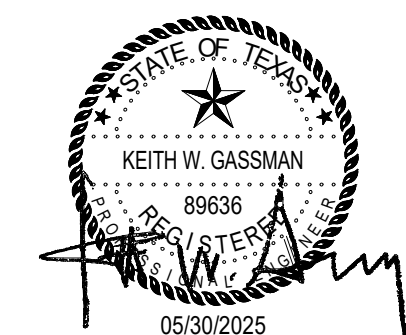


ARCHITECT

WHITE SETTLEMENT (SD)  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE

Issued For Permit



ISSUED: May 30, 2025

REVISIONS

Revision No.	Revision Date
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Director	Drawn By
Approver	Author
Designer	Quality Control
Checker	

PROJECT NO.

24-103.00

SHEET TITLE

PLUMBING SITE PLAN

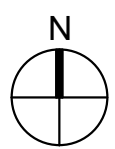
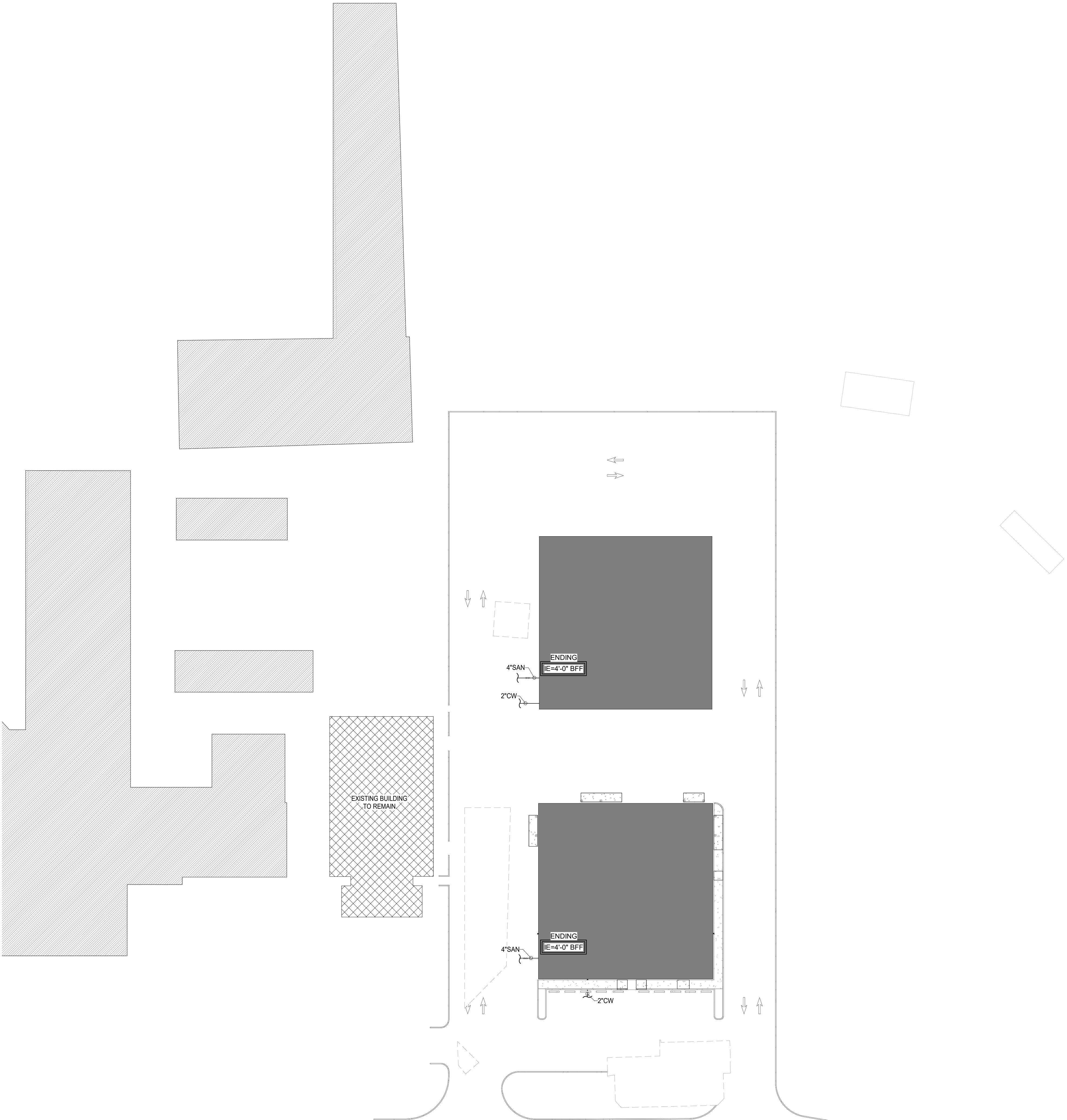
SHEET NO.

P1.00

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PLUMBING GENERAL NOTES:

1. ALL WORK, METHODS, AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE CITY BUILDING CODE AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
2. THIS CONTRACTOR SHALL COORDINATE ROUTING OF PIPING BELOW SLAB WITH PLUMBING AND ELECTRICAL CONDUIT. SHOULD A CONFLICT OCCUR THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN.
3. ALL SANITARY PIPING 3" AND LARGER SHALL BE ROUTED AT 1/8" SLOPE PER FOOT UNLESS OTHERWISE NOTED. ALL PIPE LESS THAN 3" SHALL BE ROUTED AT 1/4" SLOPE PER FOOT.
4. CONTRACTOR SHALL COORDINATE ROUTING OF PIPING IN CEILING SPACES WITH MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK, AND CONDUIT. SHOULD A CONFLICT OCCUR THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN.
5. CONTRACTOR TO FIELD VERIFY AS NECESSARY THE EXACT ROUTING AND SIZES OF ALL PIPING.
6. SANITARY VENT TERMINALS THROUGH ROOF SHALL BE NO LESS THAN 10'-0" FROM ANY FRESH AIR INTAKES.
7. CONTRACTOR SHALL COORDINATE ALL WORK IN OPEN CEILINGS AND AROUND CLOUDS TO NEATLY RUN CONDUITS, DUCTWORK, AND PIPING.



1

**PLUMBING SITE PLAN**  
Scale: 1" = 30'-0"

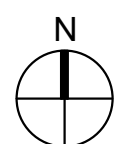
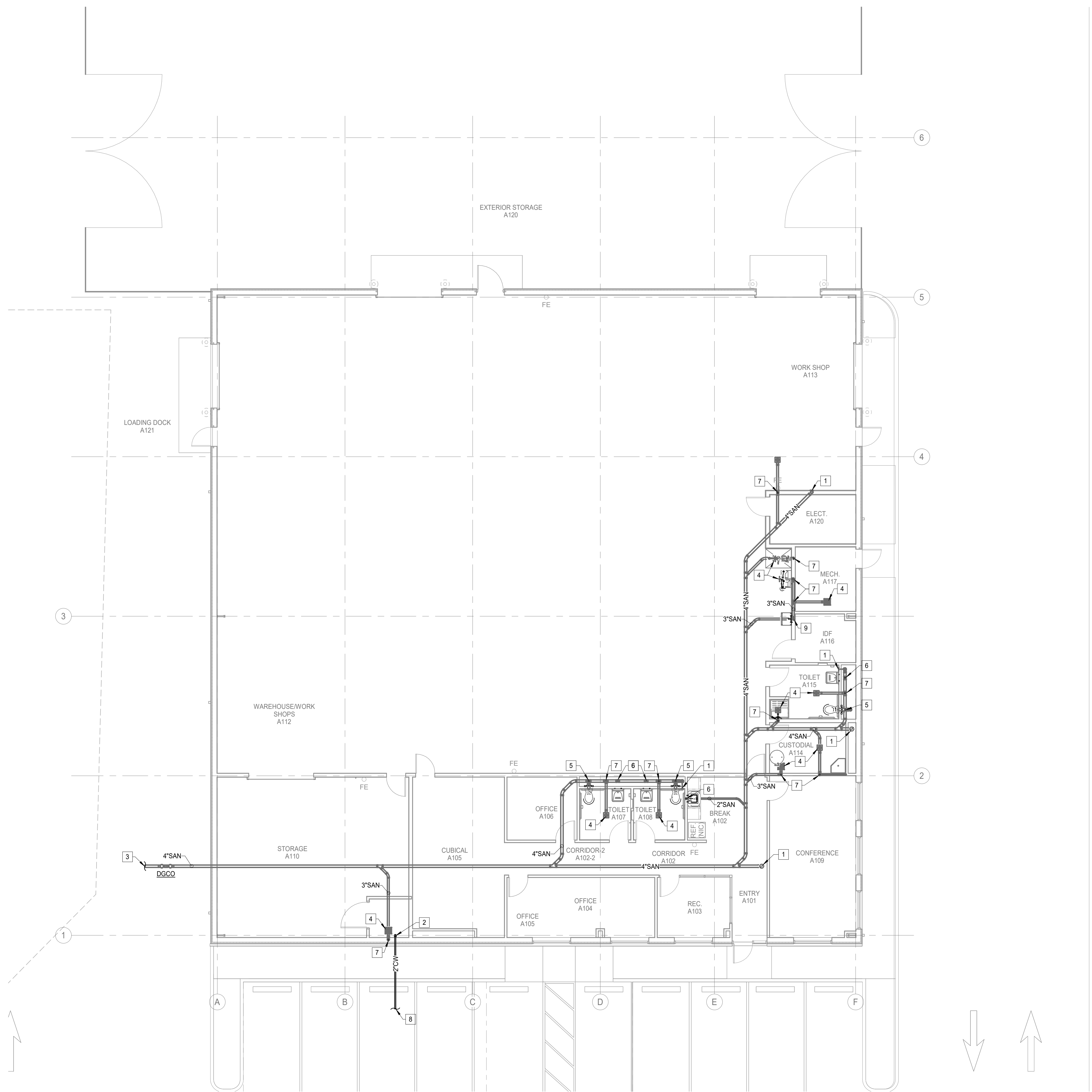


## PLUMBING GENERAL NOTES:

1. ALL WORK, METHODS, AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE CITY BUILDING CODE AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
2. THIS CONTRACTOR SHALL COORDINATE ROUTING OF PIPING BELOW SLAB WITH PLUMBING AND ELECTRICAL CONDUIT. SHOULD A CONFLICT OCCUR THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN.
3. ALL SANITARY PIPING 3" AND LARGER SHALL BE ROUTED AT 1/8" SLOPE PER FOOT UNLESS OTHERWISE NOTED. ALL PIPE LESS THAN 3" SHALL BE ROUTED AT 1/4" SLOPE PER FOOT.
4. CONTRACTOR SHALL COORDINATE ROUTING OF PIPING IN CEILING SPACES WITH MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK, AND CONDUIT. SHOULD A CONFLICT OCCUR THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING AN ALTERNATIVE PIPING PLAN.
5. CONTRACTOR TO FIELD VERIFY AS NECESSARY THE EXACT ROUTING AND SIZES OF ALL PIPING.
6. SANITARY VENT TERMINALS THROUGH ROOF SHALL BE NO LESS THAN 10'-0" FROM ANY FRESH AIR INTAKES.
7. CONTRACTOR SHALL COORDINATE ALL WORK IN OPEN CEILINGS AND AROUND CLOUDS TO NEATLY RUN CONDUITS, DUCTWORK, AND PIPING.

## PLUMBING KEYED NOTES

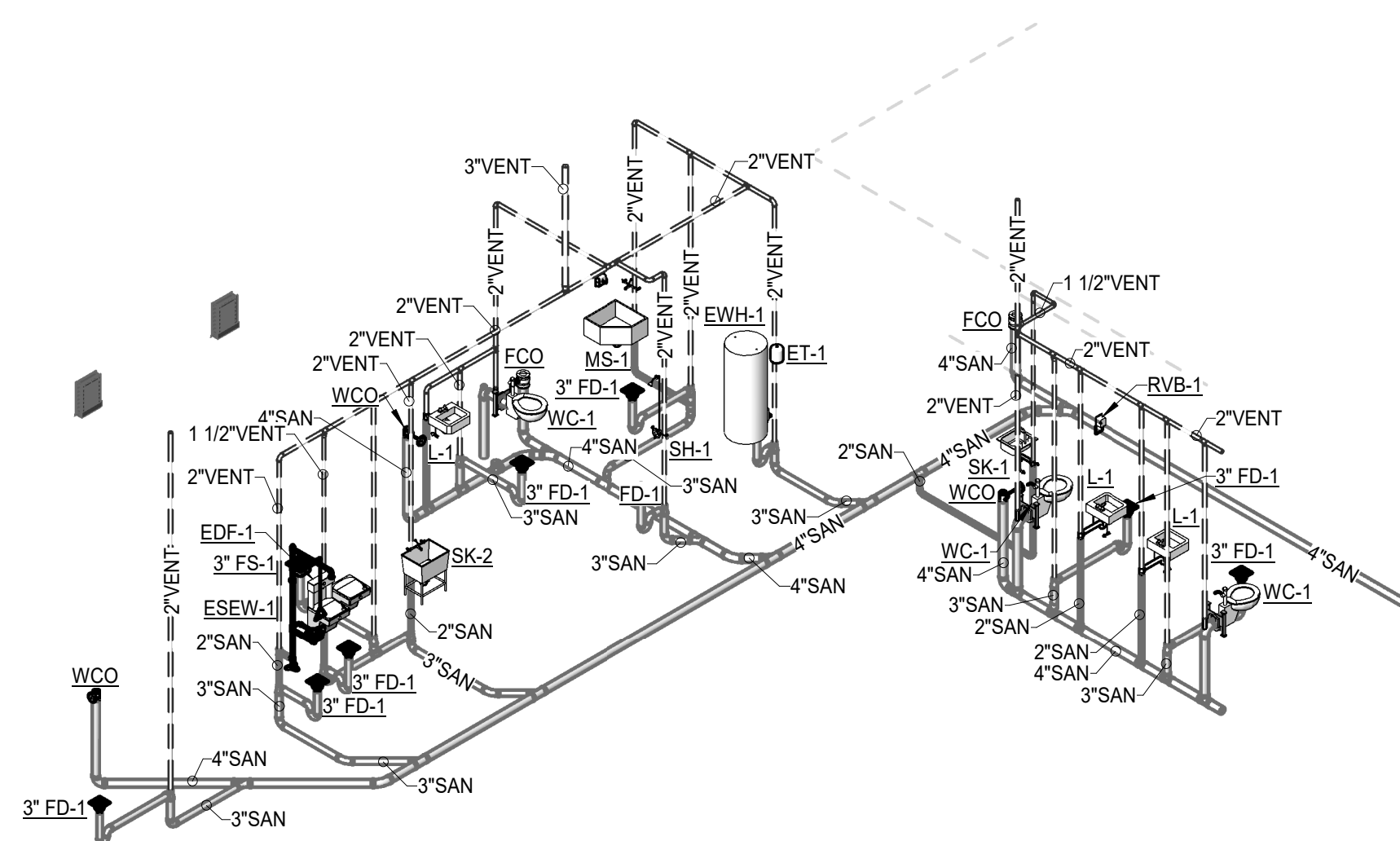
- |   |   |
|---|---|
| 1 | FULL SIZE LINE DOWN FROM CLEANOUT (MAXIMUM OF 4')             |
| 2 | DOMESTIC WATER ENTRY.   |
| 3 | SANITARY PIPING OUT TO SITE. REFER TO CIVIL FOR CONTINUATION. |
| 4 | 3" SANITARY PIPING DOWN FROM ABOVE.                           |
| 5 | 4" SANITARY PIPING DOWN FROM ABOVE. 3" VENT PIPING ROUTED UP. |
| 6 | 2" SANITARY PIPING DOWN FROM ABOVE.                           |
| 7 | 3" SANITARY PIPING DOWN FROM ABOVE. 2" VENT PIPING ROUTED UP. |
| 8 | 2" COLD WATER ENTRY, SIZED FOR 49 WFU'S @ 51 GPM.             |
| 9 | 2" SANITARY PIPING DOWN FROM ABOVE.                           |



1

## PLUMBING UNDERFLOOR PLAN - LEVEL 0 - UNIT A

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

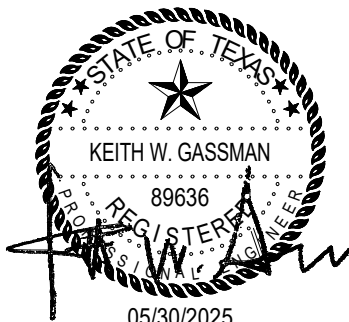


2

## WASTE AND VENT RISER - TOILET A107/A108/A115

Scale: N.T.S.

Issued For Permit



ISSUED: May 30, 2025

## REVISIONS

Revision No. Revision Date

Director	Drawn By
Approver	Author
Designer	Quality Control
Proj. Arch.	
Checker	

## PROJECT NO.

24-103.00

## SHEET TITLE

WAREHOUSE -  
UNDERFLOOR PLUMBING  
PLAN - UNIT A

## SHEET NO.

P3.01





# NEW MAINTENANCE & OPERATIONS WAREHOUSE

ALL WORK, METHOD, AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE CITY BUILDING CODE AND INSPECTION REGULATIONS AND ALL CITY ORDINANCES.

THIS CONTRACTOR SHALL COORDINATE ROUTING OF PIPING BELOW SLAB WITH PLUMBING AND ELECTRICAL CONDUIT. SHOULD A CONFLICT OCCUR THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO THE START OF ANY WORK.

ALL SANITARY PIPING 4" AND LARGER SHALL BE ROUTED AT 18" SLOPE PER FOOT UNLESS OTHERWISE NOTED. ALL PIPE LESS THAN 4" SHALL BE ROUTED AT 14" SLOPE PER FOOT.

ALL SANITARY PIPING SHALL BE INSTALLED IN AN ALTERNATE PIPING PLAN TO AVOID MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK, AND CONDUIT. SHOULD A CONFLICT OCCUR THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO THE START OF ANY WORK.

THIS CONTRACTOR SHALL FIELD VERIFY AS NECESSARY THE EXACT ROUTING AND SIZES OF ALL PIPING.

5. CONTRACTOR SHALL VENT TERMINUS THROUGH ROOF SHALL BE NO LESS THAN 10'-0" FROM ANY FRESH AIR INTAKES.

THIS CONTRACTOR SHALL COORDINATE ALL WORK IN OPEN CEILING AND AROUND CLOUDS TO CONDUITS, DUCTWORK, AND PIPING.

1	ROUTE 1 1/2" COLD WATER LINE DOWN WALL AND ACROSS TO SERVE PLUMBING FIXTURES.
2	ROUTE HOT WATER BRANCH SUPPLY LINE DOWN WALL TO SERVE LAVATORY. ROUTE HOT WATER BRANCH RETURN LINE UP AND RECONNECT INTO HOT WATER CIRCULATION TRUNK LINE IN CEILING SPACE.
3	2" COLD WATER LINE, SIZED FOR 49 WFPS = 51 GPM.
4	ROUTE COLD WATER LINE UP.
5	1 1/2" HOT AND COLD WATER-ROUTED DOWN TO SERVE PLUMBING FIXTURE(S); 2" VENT PIPING ROUTED UP.
6	FULL SIZE LINE DOWN FROM CLEANOUT (MAXIMUM OF 4')
7	ROUTE 1 1/2" COLD WATER LINE DOWN WALL TO SERVE PLUMBING FIXTURE.
8	1" HOT AND COLD WATER ROUTED DOWN TO SERVE PLUMBING FIXTURE(S); 2" VENT PIPING ROUTED UP.
9	2" VENT THROUGH ROOF.
10	2" VENT THROUGH ROOF.



## REVISIONS

Revision No.	Revision Date
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PROJECT NO.

SHEET TITLE

SHEET NO.

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PLUMBING PIPING LEGEND	
SYMBOLS	DESCRIPTION
— SAN —	SANITARY OR WASTE PIPING ABOVE GRADE (SAN)
— SAN —	SANITARY OR WASTE PIPING BELOW GRADE (SAN)
— GW —	GREASE WASTE PIPING (GW)
— GW —	GREASE WASTE PIPING BELOW GRADE (GW)
— SD —	STORM DRAIN PIPING (SD)
— SD —	STORM DRAIN PIPING BELOW GRADE (GW)
— SSD —	SUB-SOIL DRAIN OR FOOTING DRAIN (SSD)
— AW —	ACID WASTE PIPING (AW)
— AW —	ACID WASTE PIPING BELOW GRADE (AW)
— PD —	PUMPED DISCHARGE (PD)
— CD —	CONDENSATE DRAIN PIPING (CD)
— D —	CONDENSATE - INDIRECT DRAIN PIPING (D)
— V —	VENT PIPING (V)
— CW —	COLD WATER PIPING (CW)
— HW —	HOT WATER PIPING (HW)
— HWR —	HOT WATER RETURN PIPING (HWR)
— SCW —	SOFT COLD WATER PIPING (SCW)
— CDW —	CHILLED DRINKING WATER PIPING (CDW)
— TP —	TRAP PRIMER LINE (TP)
— F —	FIRE PROTECTION PIPING (F)
— AS —	AUTOMATIC SPRINKLER PIPING (AS)
— GAS —	NATURAL GAS PIPING (G)
— GV —	GAS VENT PIPING (GV)
— AIR —	COMPRESSED AIR PIPING (A)
—>—>—>	FLOW DIRECTIONAL ARROW
— — —	SHUT-OFF VALVE
— — —	BALANCING VALVE (BV)
— — —	SOLENOID VALVE (SV)
— — —	BALL VALVE (BV)
— — —	BUTTERFLY VALVE
— — —	LUBRICATED PACKED PLUG STOP STOP COCK (PC)
— — —	HORIZONTAL SWING CHECK
— — —	UNION
— — —	HORIZONTAL SWING CHECK
— — —	REDUCER OR INCREASER
— — —	ECCENTRIC REDUCER
— — —	REDUCED PRESSURE BACKFLOW PREVENTER (RPBFP)
— — —	PIPING DOWN
— — —	RISE OR DROP PIPING
— — —	PIPING UP -OR- PIPING UP & DOWN
— — —	CAP ON END OF PIPE
— — —	CLEANOUT (WALL OR CEILING) (CO)
— — —	FLOOR CLEANOUT (FCO)
— — —	EXTERIOR CLEANOUT WITH 18"x18"x4" CONCRETE PAD (ECO)
— — —	TWO-WAY CLEANOUT (PROVIDE 18"x24"x4" CONCRETE PAD OUTSIDE)
— — —	FIRE DEPARTMENT VALVE AT RISER
— — —	FIRE HYDRANT
— — —	FIRE DEPARTMENT CONNECTION
— — —	PRESSURE REDUCING VALVE (PRV)
— — —	BRANCH CONNECTION OUT OF TOP
— — —	BRANCH CONNECTION OUT OF BOTTOM
— — —	BRANCH CONNECTION OUT OF SIDE
— — —	WYE & 1/8TH BEND BRANCH CONNECTION
— — —	WYE BRANCH CONNECTION
— — —	HOSE BIBB
— — —	PRESSURE GAUGE WITH COCK
— — —	THERMOMETER
— — —	GAS PRESSURE REGULATOR
— — —	TEST COCK
— — —	GAS METER
— — —	WALL HYDRANT
— — —	VALVE IN RISE
— — —	ASME TEMPERATURE & PRESSURE RELIEF VALVE
— — —	VACUUM RELIEF VALVE
— — —	ANGLE VALVE
— — —	OS&Y VALVE
— — —	ROOF DRAIN
— — —	REFER TO KEYED NOTE
— — —	FLOW SWITCH
— — —	FLOOR SINK (FS)
— — —	FLOOR DRAIN (FD)
— — —	FLOOR DRAIN WITH P-TRAP (FD)
— — —	FLOOR DRAIN WITH P-TRAP AT 45° ANGLE (FD)
— — —	HUB DRAIN (HD)
— — —	ACCESS PANEL FOR TRAP PRIMER OR SHOCK ABSORBER
— — —	ACCESS PANEL LOCATION SYMBOL
— — —	SHOCK ABSORBER
— — —	AIR CHAMBER
— — —	EXISTING
— — —	NEW
— — —	VENT THRU ROOF
— — —	BELOW FINISHED FLOOR
— — —	ABOVE FINISHED FLOOR
— — —	NEW CONNECTION
— — —	INVERT ELEVATION
— — —	DELTA CHANGE SYMBOL
— — —	RISER FLAG

ELECTRIC WATER HEATER SCHEDULE											
MARK	BASIS OF DESIGN		STORAGE CAPACITY	KW	WH GALS. PER HR. RECOVERY RATE 100°F RISE	STORED WATER TEMP	ELECTRICAL CHAR.				REMARKS
	MANUFACTURER	MODEL					V	P	MCA	MOCp	
EW-H-1	AO SMITH	DVE-120	100 GAL	24.0	0	140	208	3	66	85	
1	IF THE MAXIMUM FUSE SIZE OF THE EQUIPMENT PROVIDED EXCEEDS THE SPECIFIED AMOUNT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COSTS RELATED TO INCREASED FUSE SIZE / WIRE SIZE. PROVIDE HOUSEKEEPING PAD AS RECOMMENDED BY MANUFACTURER.										
2											

BOOSTER PUMP SCHEDULE											
MARK	BASIS OF DESIGN		DESCRIPTION	TYPE	GPM HP	HEAD PSI	HP MIN	ELECTRICAL CHAR.			MAX RPM
	MANUFACTURER	MODEL						V	P	F	
BP-1	BELL & GOSSETT	5SVX11	BOOSTER PUMP	DUPLEX	52	70	4	208	3	60	3600
1	PROVIDE ALL REQUIRED APPURTENANCES FOR A COMPLETE OPERATING SYSTEM.										
2	ALL INSTALLATIONS TO BE AS PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS.										
3	PROVIDE HOUSEKEEPING PAD AS RECOMMENDED BY MANUFACTURER.										

CIRCULATION PUMP SCHEDULE											
MARK	BASIS OF DESIGN		DESCRIPTION	TYPE	GPM	HEAD FEET	HP MIN	ELECTRICAL CHAR.			MAX RPM
	MANUFACTURER	MODEL						V	P	F	
CP-1	GRUNDFOS	UP 1542F	CIRCULATION PUMP	INLINE BRONZE	25	12'-0"	1/25	120	1	60	1750

DOMESTIC HW EXPANSION TANK SCHEDULE							
MARK	BASIS OF DESIGN		DESCRIPTION	MAX WORK PRESSURE (PSI)	TANK VOLUME GALLONS	MAX. ACCEPT. GALLONS	DIAMETER (INCHES)
	MANUFACTURER	MODEL					
ET-1	WATTS	PLT-5	HOT WATER EXPANSION TANK	150	2.1	1.48	8"

DOMESTIC HW EXPANSIONTANK SCHEDULE NOTES	
ET SCHEDULE NOTES	
PROVIDE ASME POTABLE WATER EXPANSION TANK ON THE COLD WATER SUPPLY LINE, DOWNSTREAM OF THE CHECK VALVE. PROVIDE HOUSEKEEPING PAD.	
PROVIDE UNION CONNECTION.	

PLUMBING FIXTURE SCHEDULE	
TYPE	FIXTURE DESCRIPTION
DRAINAGE FIXTURE (CO, FD, FS, HD, TD)	
DGO	DESCRIPTION: TWO (2) EXTERIOR CLEANOUTS INSTALLED AT CIVIL'S POINT OF CONNECTION. REFER TO ECO FOR FIXTURE INFORMATION. REFER TO DETAIL FOR INSTALLATION INFORMATION.
FCO	DESCRIPTION: FLOOR CLEANOUT, CAST IRON BODY AND ADJUSTABLE TOP ASSEMBLY WITH GASKET SEAL, AND ROUND SCOTARTED STAINLESS STEEL COVER. MIFAB C1100-R.
FD-1	SERVICE: TOILET ROOMS AND GENERAL USE  DESCRIPTION: FLOOR DRAIN, DURA-COATED CAST IRON BODY, ADJUSTABLE 6" DIAMETER STAINLESS STEEL STRAINER WITH VANDAL PROOF SCREWS, INTEGRAL CLAMPING DEVICE, BOTTOM OUTLET. ZURN Z415B.  TRAP SEAL: PROVIDE PRO-SET SYSTEMS, INC. TRAP GUARD FACTORY FITTED TO MATCH EACH FLOOR DRAIN BY SIZE, MODEL, AND MANUFACTURER.  ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH ARCHITECTURAL DRAWINGS / FLOOR CONSTRUCTION.  FS-1 SERVICE: MECHANICAL ROOM  DESCRIPTION: A R.E. COATED CAST IRON BODY 12" SQUARE FLOOR SINK WITH 8" DEEP SUMP, BOTTOM OUTLET, LOOSE SET CAST IRON SECONDARY STRAINER, CLAMPING DEVICE, TRAP PRIMER TAP, AND HALF TOP GRATE. ZURN Z1901.  ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION WITH EQUIPMENT PLACEMENT.  WCO DESCRIPTION: WALL CLEANOUT, CAST IRON CLEANOUT FERRULE WITH DUCTILE IRON COMBINED COVER/PLUG AND ROUND STAINLESS COVER PLATE WITH CENTER SECURING SCREW. MIFAB C1400 WITH C1400-HDB. PROVIDE MIFAB C1400 CAST IRON CLEANOUT TEE IN LIEU OF FERRULE AS REQUIRED FOR WALL CONSTRUCTION.  DRINKING FOUNTAIN (EDF) EDF-1 DESCRIPTION: WALL MOUNT, BARRIER FREE, 81/2" ELECTRIC DRINK FOUNTAIN WITH ELECTRONIC BOTTLE FILLER SENSOR AND SHIELDED VANDER-RESISTANT BUBBLER (BOTTLE FILLER ON THE LOW AND RIGHT-HAND SIDE), 8 GPM OF 90 DEGREE WATER AT 90 DEGREE AMBIENT AND 80 DEGREE INLET WATER. ELKAY EZSTLBWSK. PROVIDE CANE TOUCH SKIRT TO COMPLY WITH ADA GUIDELINES.  P-TRAP: 1-1/4" CHROME PLATED CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON. MCGUIRE 8872.  SUPPLIES: 1/2" I.P.S. X 3/8" O.D. CHROME PLATED STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISER. MCGUIRE 2165.  CARRIER: RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 3" X 4-1/2" BASE ANCHORED TO CONCRETE SLAB WITH (4) 1/2" BOLTS. ADJUSTABLE SLEEVE FOR CONNECTION TO HANGER PLATE PROVIDED BY FIXTURE MANUFACTURER. MIFAB MC-33.  ROUGH-IN: 2" WASTE, 2" VENT, 1/2" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.  FIXTURES RVB-1 DESCRIPTION: REFRIGERATOR VALVE BOX, 4-3/8" X 4-1/8", 20 GAUGE STEEL WITH COATED FINISH AND QUARTER TURN VALVE. PROVIDE FILTER WHEN MAKING FINAL CONNECTION. GUY GRAY MB1AB WITH AQUA-PURE AP717 FILTER.  ROUGH-IN: 1/2" COLD WATER. COORDINATE ROUGH-IN LOCATION/HEIGHT/FINAL CONNECTION WITH EQUIPMENT BEING INSTALLED AND WITH ARCHITECT/CASEWORK DRAWINGS.  HYDRANTS (HB, RH, WH) WH-1 SERVICE: EXTERIOR USE  DESCRIPTION: WALL HYDRANT (FREEZELESS), CHROME PLATED BRASS FINISH WITH ANTI-SIPHON VACUUM BREAKER, SELF-DRAINING. INSTALL WITH BOTTOM OF HYDRANT 24" A.F.F. WOODFORD MODEL B85.  ROUGH-IN: 3/4" COLD WATER.  LAVATORY (L) L-1 DESCRIPTION: LAVATORY (A.D.A. COMPLIANT), WALL HUNG, VITREOUS CHINA, 28-1/4" X 20-5/8" X 8-1/2" DEEP BOWL WITH FRONT OVERFLOW, SINGLE FAUCET HOLE. BRADLEY TLX-1.  FAUCET: CHROME PLATED BRASS LAVATORY, SINGLE METAL LEVER HANDLE OPERATION ON 4" CENTERS, VANDAL RESISTANT 0.5 GPM AERATOR. ZURN Z8104-XL.  STRAINER: 1-1/4" 17 GAUGE OFFSET WHEEL-CHAIR STRAINER, CHROME PLATED BRASS GRID DRAIN WITH ELBOW AND 17 GAUGE OFFSET TAILPIECE. MCGUIRE 155WC. GRAVITY FED TRAP PRIMER TAILPIECE, 1/2" NOMINAL BRANCH CONNECTION. SIOUX CHIEF 213-092.  P-TRAP: 1-1/4" 17 GAUGE CHROME PLATED HEAVY CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE 8872.  SUPPLIES: 1/2" I.P.S. X 3/8" O.D. CHROME PLATED LOOSE KEY STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165LK.  TMV: THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, BRONZE FINISH, UNION CONNECTION, SP51 PRESSURE DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W. INSTALL PER EVERY TWO FIXTURES.  CARRIER: RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 4" SQUARE BASE ANCHORED TO CONCRETE WITH (4) 1/2" BOLTS. ADJUSTABLE SLEEVE, THREADED CONCEALED ARMS, ALIGNMENT BAR, LOCKING DEVICE, AND LEVELING SCREWS. WADE W520-M38.  ROUGH-IN: 2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.  MOP SINK (MS) MS-1 DESCRIPTION: MOP SINK, 28" X 28" X 12" PRE-CAST TERRAZZO, 12" SHOULDERS / 6" THRESHOLD, STAINLESS STEEL CAPS, WALL GUARD, HOSE & BRACKET, TILING FLANGE. FIAT T58CR1000.  FAUCET: CHROME PLATED BRASS FAUCET WITH INTEGRAL STOPS AND VACUUM BREAKER, 3/4" HOSE THREAD OUTLET, PAIL HOOK, LEVER HANDLES. CHICAGO 887-CCP.  ROUGH-IN: 3" WASTE, 2" VENT, 3/4" HOT AND COLD WATER. PROVIDE CHECK VALVES IN BOTH SUPPLIES.  SHOWER (SH)

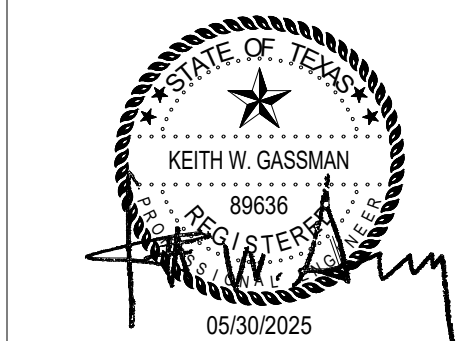
PLUMBING FIXTURE SCHEDULE	
TYPE	FIXTURE DESCRIPTION
ESEW-1	DESCRIPTION: EMERGENCY DRENCH SHOWER/FACE AND EYEWASH (A.D.A. COMPLIANT), FLOOR MOUNTED WITH STAINLESS CONSTRUCTION, YELLOW ABS PLASTIC SHOWER HEAD, ACTIVATED BY STAINLESS STEEL HANDLE, 20 GPM FLOW CONTROL, ABS PLASTIC DUAL STREAM EYE-FACE WASH HEADS ACTIVATED BY PUSH PLATE ACTUATOR, INTEGRAL 3.2 GPM FLOW CONTROL, ENCON SAFETY MODEL 01050251.  ROUGH-IN: 2" WASTE, 2" VENT, 1" HOT WATER, 1" COLD WATER. PROVIDE WITH FLOOR DRAIN BELOW STATION AS DETAILED ON FLOOR PLANS. REFER TO ARCHITECTURAL/CASEWORK DRAWINGS FOR HEIGHT REQUIREMENTS.  SH-1 DESCRIPTION: SHOWER (A.D.A. COMPLIANT), JOB BUILT BASE INSTALLED PER ARCHITECTURAL DRAWINGS.  CONTROLS: PRESSURE BALANCING SHOWER CONTROL VALVE WITH LEVER HANDLE AND INTEGRAL CHECK STOPS, STAINLESS STEEL ESCUTCHEON, MAX 2.5 GPM WITH HAND-HELD SHOWER HEAD AND 60" FLEXIBLE STAINLESS STEEL HOSE, VACUUM BREAKER, MOUNTING BRACKET, 24" SLIDE BAR, MIXING VALVE ACOM 538AD-LVR.  DRAIN: FLOOR DRAIN FD-1 AS SCHEDULED.  ROUGH-INS: 2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.  SINK (HS, SK) SK-1 SERVICE: LARGE BREAK ROOM SINK (A.D.A. COMPLIANT)  DESCRIPTION: SINK, COUNTER MOUNTED, SELF-RIMMING, 18 GAUGE TYPE 304 STAINLESS STEEL, 31" X 22" X 5-1/2" DEEP, SINGLE COMPARTMENT WITH FAUCET DECK, FOUR FAUCET HOLES ON 8" CENTERS, ELKAY "LUSTERTONE" LRA031225.  FAUCET: CHROME PLATED FAUCET WITH 8" SPOUT, TWO WRISTBLADE HANDLES ON 8" CENTERS, VANDAL RESISTANT AERATOR WITH MAX FLOW 1.5 GPM. ZURN Z831CA-VL-CT.  P-TRAP: 1-1/2" 17 GAUGE CHROME PLATED CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE 8912.  SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165.  TMV: THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, BRONZE FINISH, UNION CONNECTION, SP51 PRESSURE DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W. INSTALL PER EVERY TWO FIXTURES.  ROUGH-INS: 2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.  SK-2 DESCRIPTION: UTILITY TUB WITH STEEL LEGS, 34" X 18" X 24" ONE PIECE MOLDED CONSTRUCTION, MUSTEE "UTILATUB" 21F.  FAUCET: CHROME FINISH, 4" CENTER SET BRASS FAUCET, 7" SWING SPOUT WITH AERATOR, LEVER HANDLES, REPLACEABLE SEATS AND STEM. MUSTEE 93.600.  ROUGH-IN: 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER.  TRAP PRIMER (TP-2) TP-1 SERVICE: SERVES UP TO 1.4 FLOOR DRAIN TRAPS. REFER TO PLANS.  DESCRIPTION: ELECTRONIC TRAP PRIMER WITH DISTRIBUTION UNIT AND NEMA 1 BOX, SURFACE MOUNT IN MECHANICAL ROOM OR MOUNT ABOVE ACCESSIBLE CEILING. PRECISION PLUMBING PRODUCTS MINI-PRIME MPB-500-115V WITH DISTRIBUTION UNIT.  ROUGH-IN: 3/4" COLD WATER.  WATER CLOSET (WC) WC-1 DESCRIPTION: WATER CLOSET (A.D.A. COMPLIANT), WALL HUNG, 1.6 GALLON PER FLUSH SIPHON JET ACTION, VITREOUS CHINA, ELONGATED BOWL WITH 1-1/2" TOP SPUD INLET AND BOLT COVERS, AMERICAN STANDARD "AFWALL" 3351.101.  SEAT: ELONGATED OPEN FRONT WHITE PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES. BEMIS 1955SSCT.  FLUSH VALVE: 1.28 GALLON FLUSH CYCLE, EXPOSED, MANUAL FLUSH, CHROME PLATED CLOSET FLUSHMETER, VACUUM BREAKER, SPUD COUPLING FOR 1-1/2" TOP SPUD. ZURN Z6200-HET.  CARRIER: MIFAB MC-10 HORIZONTAL OR MC-12-13 VERTICAL.  SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS. MCGUIRE 2165LK.  ROUGH-INS: 4" WASTE, 3" VENT, 1" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.

PLUMBING GENERAL NOTES	
1. WITHIN THE EXISTING BUILDING, EXISTING WATER, WASTE AND VENT SERVICES ARE TO BE MODIFIED AS REQUIRED AND REUSED FOR THE INSTALLATION OF NEW AND/OR RELOCATED PLUMBING FIXTURES. REFER TO PLUMBING FLOOR PLANS FOR POINTS OF CONNECTION.	
2. WITHIN THE EXISTING BUILDING, SAWCUT AND REMOVE EXISTING FLOOR SLAB AS REQUIRED TO PROVIDE NEW AND/OR RELOCATED PLUMBING FIXTURES, CLEANOUTS, AND UNDERSLAB WASTE AND VENT PIPING. PATCH AND REFINISH FLOOR TO MATCH EXISTING.	
3. IN AREAS WHERE THE FLOOR SLAB IS REMOVED, CONTRACTOR SHALL ALSO REMOVE UNDERSLAB WASTE AND VENT PIPING WHICH SERVES FIXTURES DESIGNATED FOR REMOVAL. PRIOR TO ANY REMOVAL, FIELD VERIFY THAT LINES TO BE REMOVED DO NOT SERVE ANY EXISTING FIXTURES TO REMAIN OR NEW FIXTURES TO BE INSTALLED.	
4. IN AREAS WHERE THE FLOOR SLAB IS NOT REMOVED, CONTRACTOR SHALL ABANDON IN PLACE ANY UNDERSLAB WASTE AND VENT PIPING NO LONGER NEEDED, UNLESS THE PIPING MUST BE REMOVED TO ACCOMMODATE NEW CONSTRUCTION, IF NEW WORK DOES NOT NECESSITATE THEIR REMOVAL, CUT AND PLUG SUCH LINES BELOW SLAB, AND PATCH FLOOR TO MATCH EXISTING.	
5. FIELD VERIFY EXACT LOCATION, SIZE, DEPTH, DIRECTION OF FLOW, CAPACITY, PIPE MATERIAL AND CONDITION OF EXISTING WASTE PIPING PRIOR TO BEGINNING CONSTRUCTION. ENSURE THAT PROPER CONNECTIONS TO AND EXTENSION OF SUCH UTILITIES CAN BE MADE.	
6. WASTE LINES TO BE RE-USED OR RECONNECTED TO SHALL BE THOROUGHLY RODDED OUT AND FLUSHED TO ENSURE THEY ARE FREE FROM BLOCKAGES.	
7. CONTRACTOR SHALL COORDINATE ROUTING OF PIPING BELOW SLAB WITH COLUMN FOOTINGS, GRADE BEAMS, UNDERGROUND PLUMBING AND ELECTRICAL UTILITIES, AND OTHER SUB-SURFACE BUILDING ELEMENTS.	
8. CONTRACTOR SHALL COORDINATE ROUTING OF PIPING IN CEILING SPACES WITH MECHANICAL, AND ELECTRICAL EQUIPMENT, DUCTWORK AND CONDUIT. SHOULD A CONFLICT OCCUR THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN.	
9. CONTRACTOR TO COORDINATE ALL REMODEL WORK WITH THE WORK OF OTHER TRADES TO AVOID CONFLICTS AND TO MINIMIZE INTERRUPTION OF SERVICES.	
10.COORDINATE ALL FIXTURE AND EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS WITH LATEST ARCHITECTURAL DRAWINGS AND SPECIFICATIONS PRIOR TO ANY ROUGH-INS.	
11.DO NOT ROUGH-IN FROM THESE DRAWINGS. REFER TO LATEST ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS.	
12.CONTRACTOR TO FIELD VERIFY AS NECESSARY THE EXACT ROUTING AND SIZES OF ALL PIPING.	
13.ALL WORK, METHODS AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE CITY BUILDING CODE, INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.	
14.THE PROPER INSTALLATION OF NEW FIXTURES AND THE PROPER CONTINUED OPERATION OF EXISTING FIXTURES TO REMAIN SHALL DETERMINE THE EXTENT AND NATURE OF PLUMBING REMODEL WORK.	
15.EACH VENT SHALL TERMINATE VERTICALLY NOT LESS THAN 6" ABOVE ROOF. MAINTAIN MINIMUM 10'-0" DISTANCE BETWEEN VENT TERMINALS THROUGH ROOF AND ALL FRESH AIR INTAKES, AND A MINIMUM 5'-0" FROM ANY EXTERIOR WALL.	
16.PRIOR TO BEGINNING CONSTRUCTION, COORDINATE BUILDING BACKFLOW PREVENTION REQUIREMENTS WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PROVIDE AS DIRECTED.	



ARCHITECT

Issued For Permit



ISSUED: May 30, 2025

REVISIONS

Revision No. Revision Date

Director  
Approver  
Designer  
Proj. Arch.  
Checker

Drawn By  
Author  
Quality Control

PROJECT NO.

24-103.00

SHEET TITLE

PLUMBING LEGEND & SCHEDULES

SHEET NO.

P6.11

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WHITE SETTLEMENT ISD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE



Issued For Permit



ISSUED: May 30, 2025

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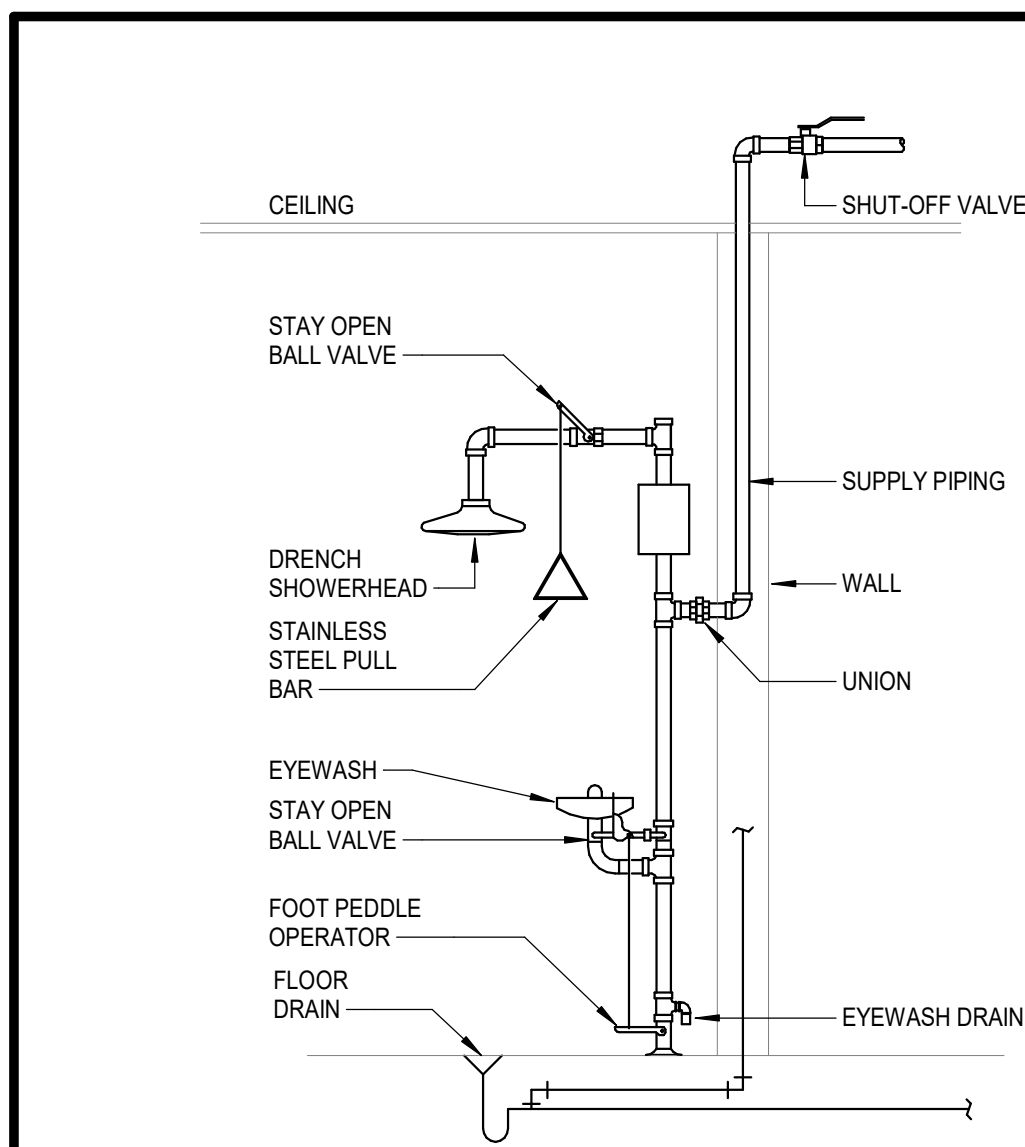
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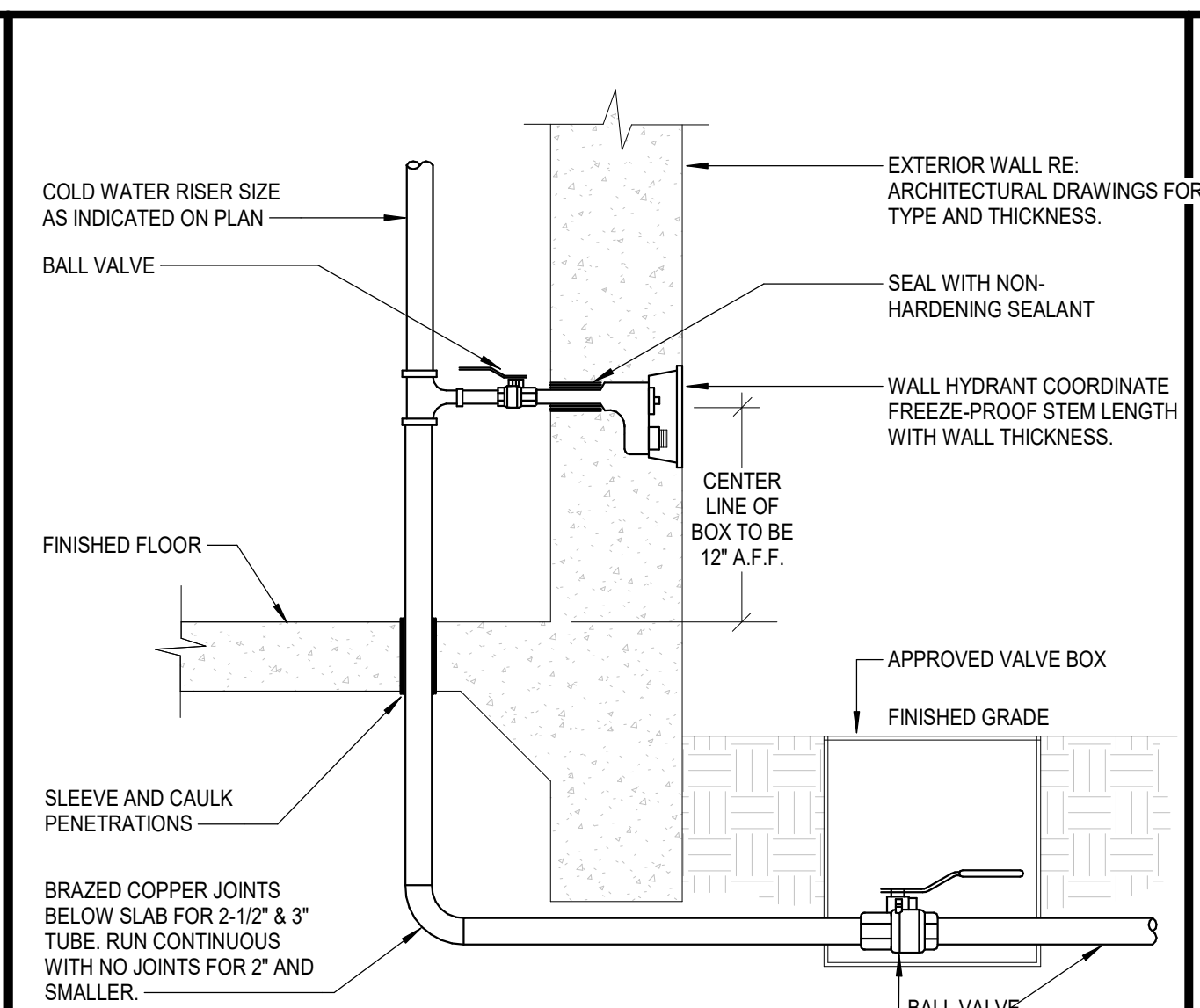
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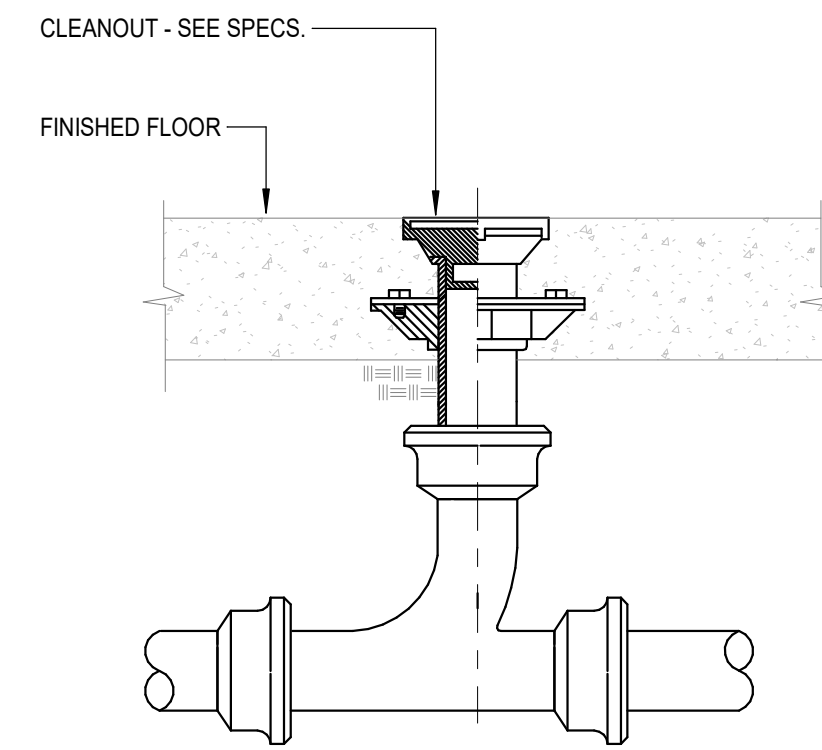
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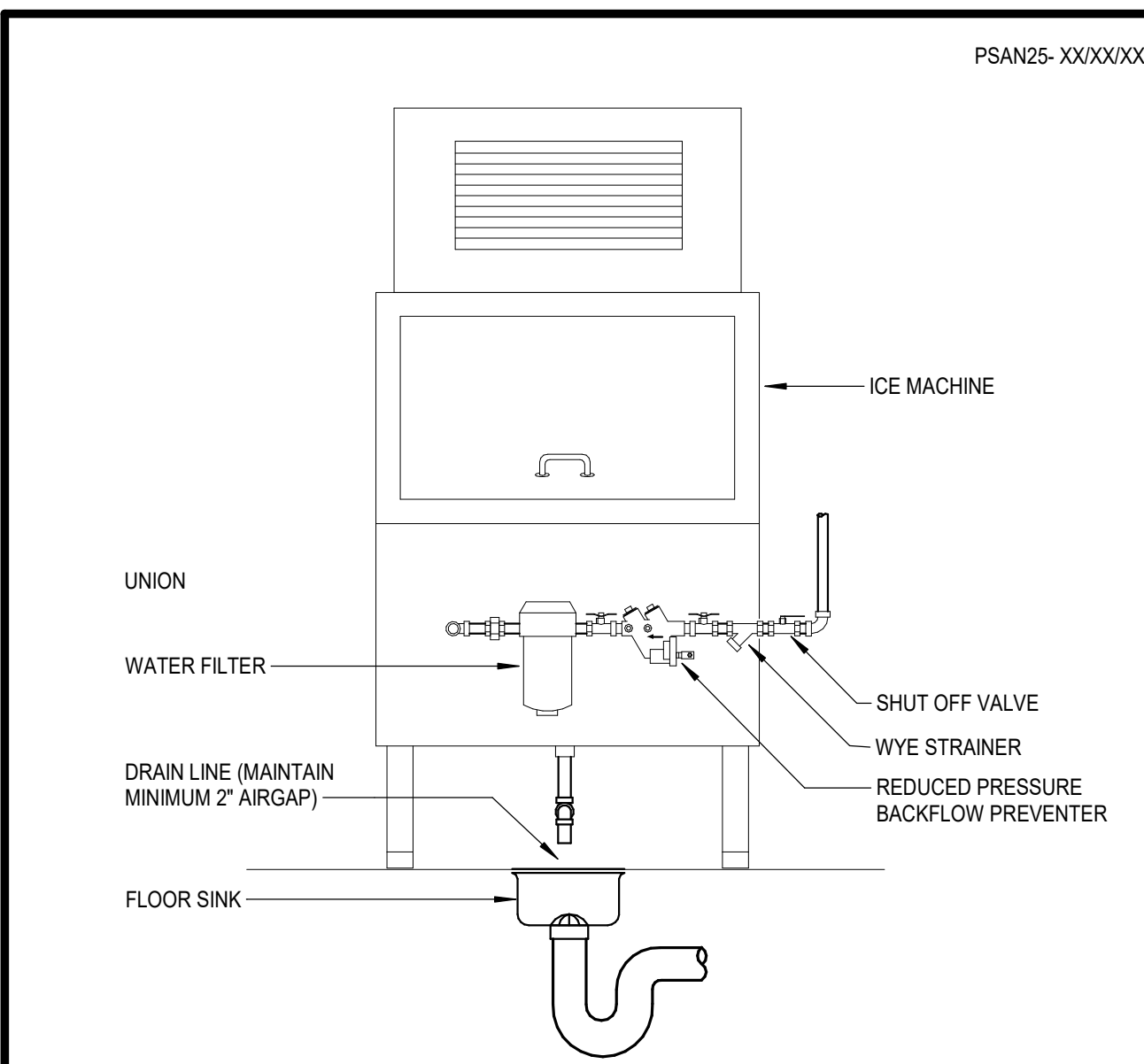
**12 EMERGENCY SHOWER / EYEWASH CONNECTION**  
SCALE: NONE



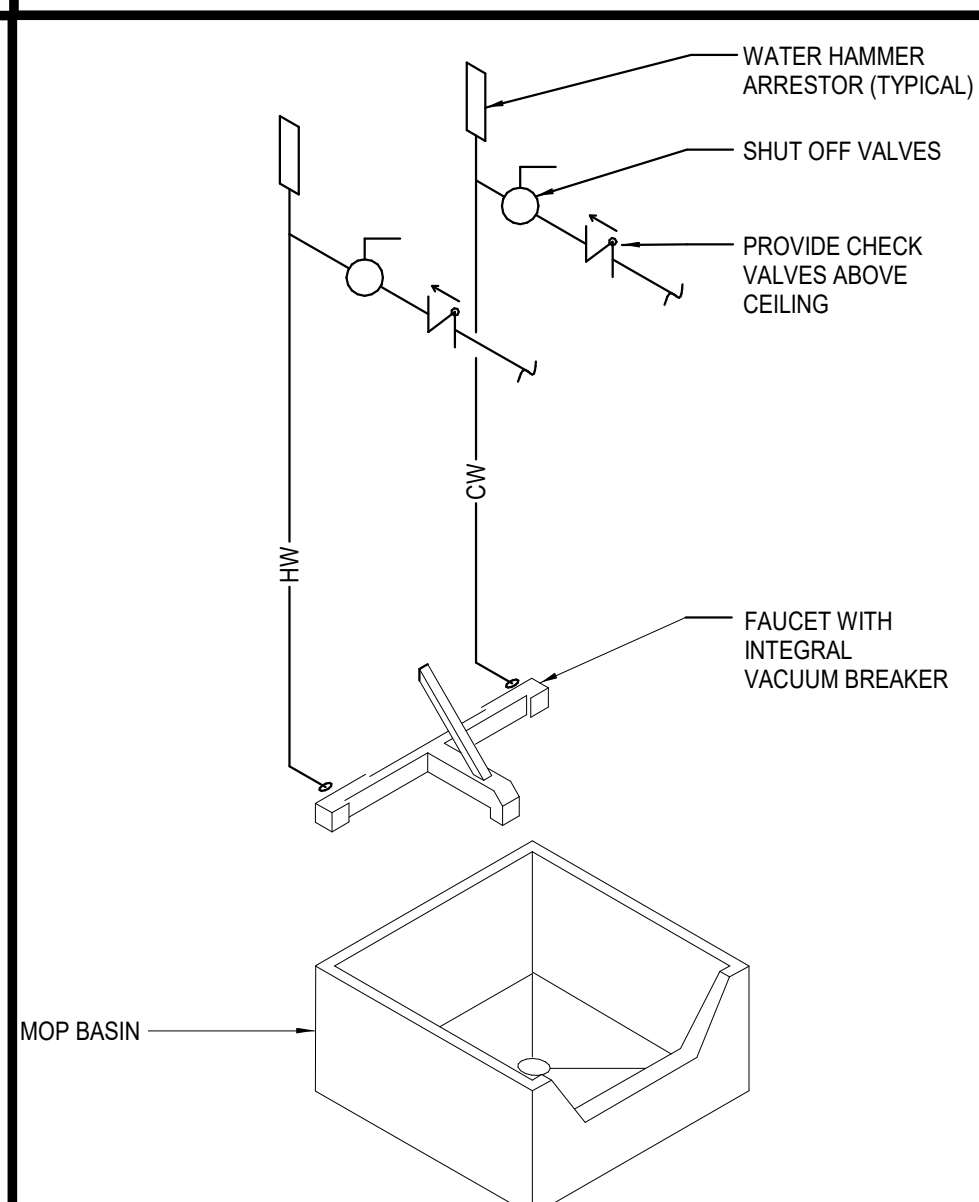
**8 DOMESTIC WATER ENTRY**  
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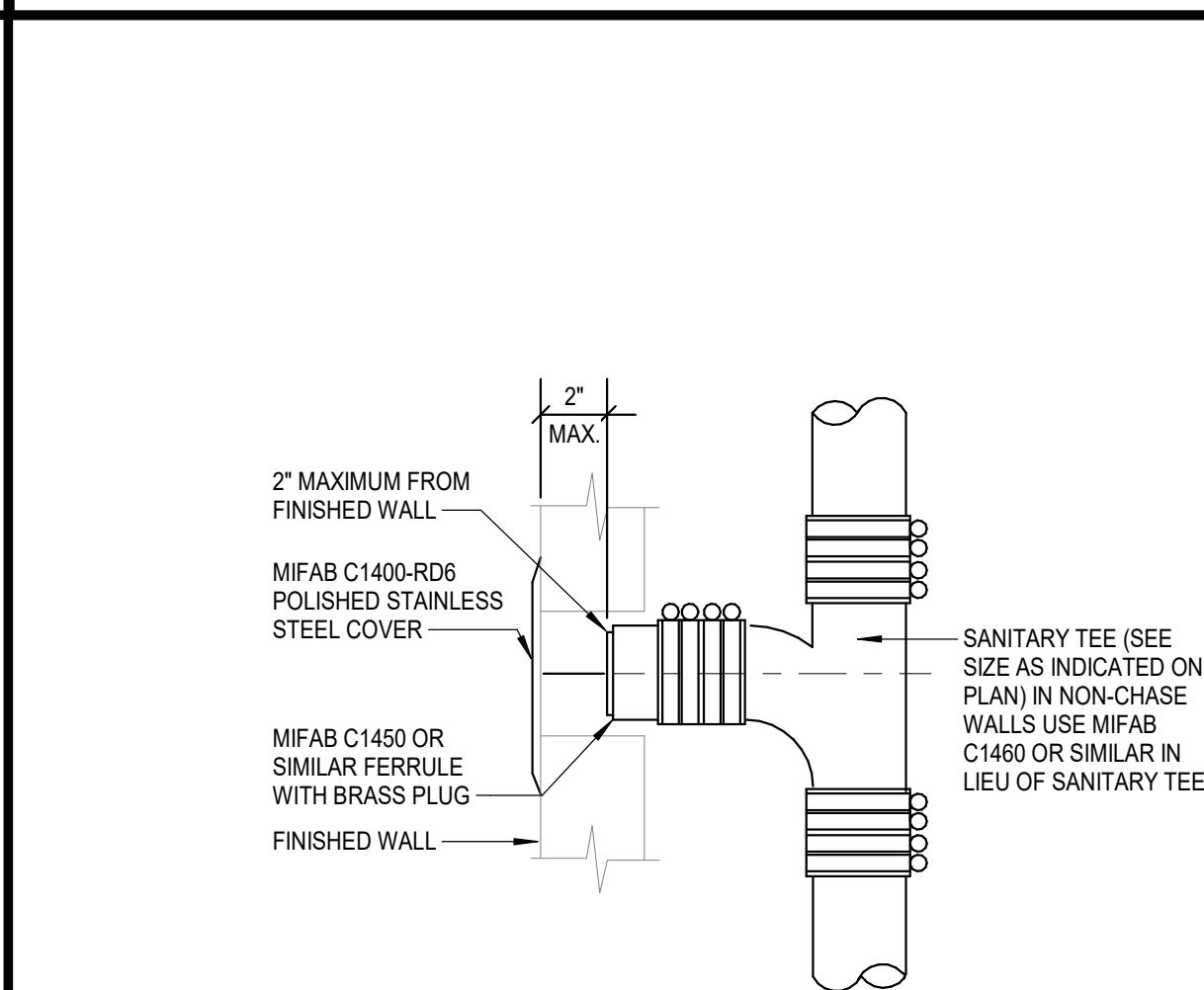
**4 FLOOR CLEANOUT**  
SCALE: NONE



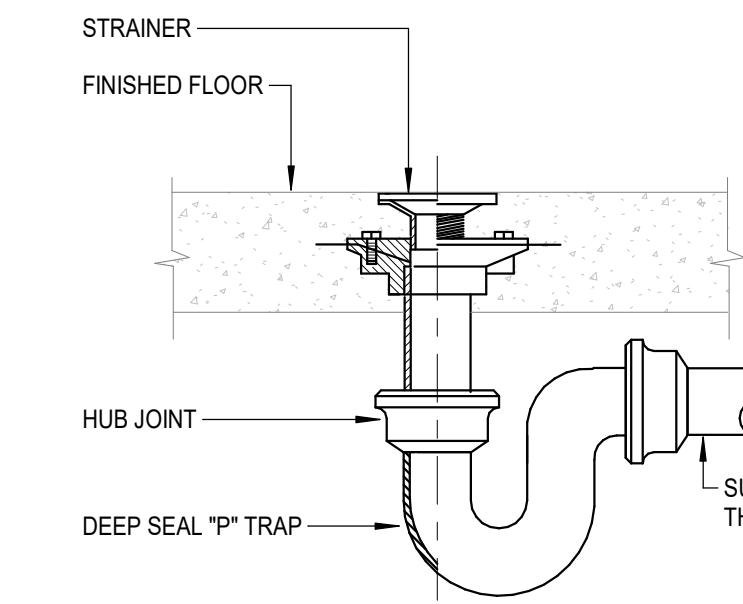
**15 ICE MACHINE CONNECTION**  
SCALE: NONE



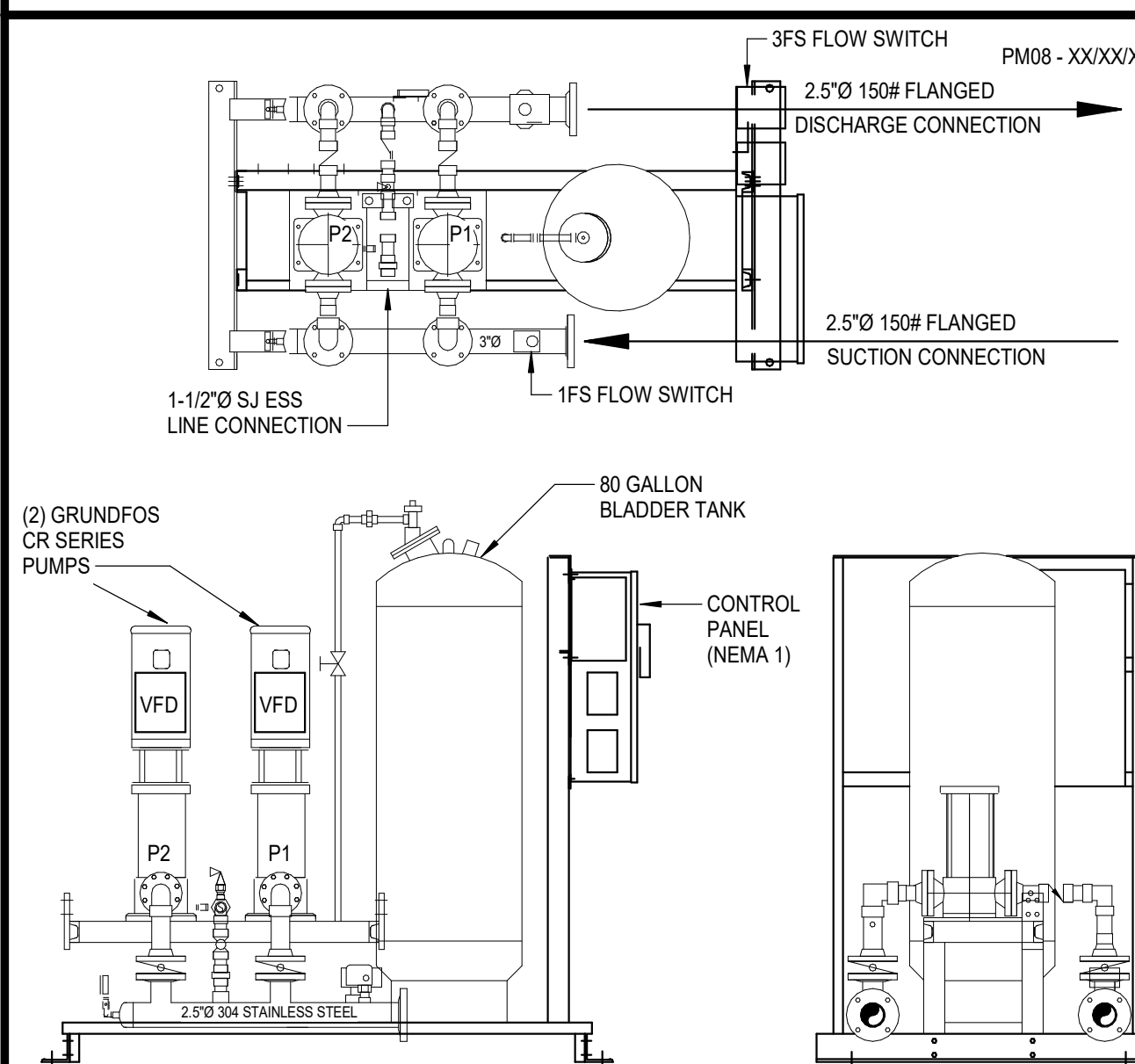
**11 MOP SINK**  
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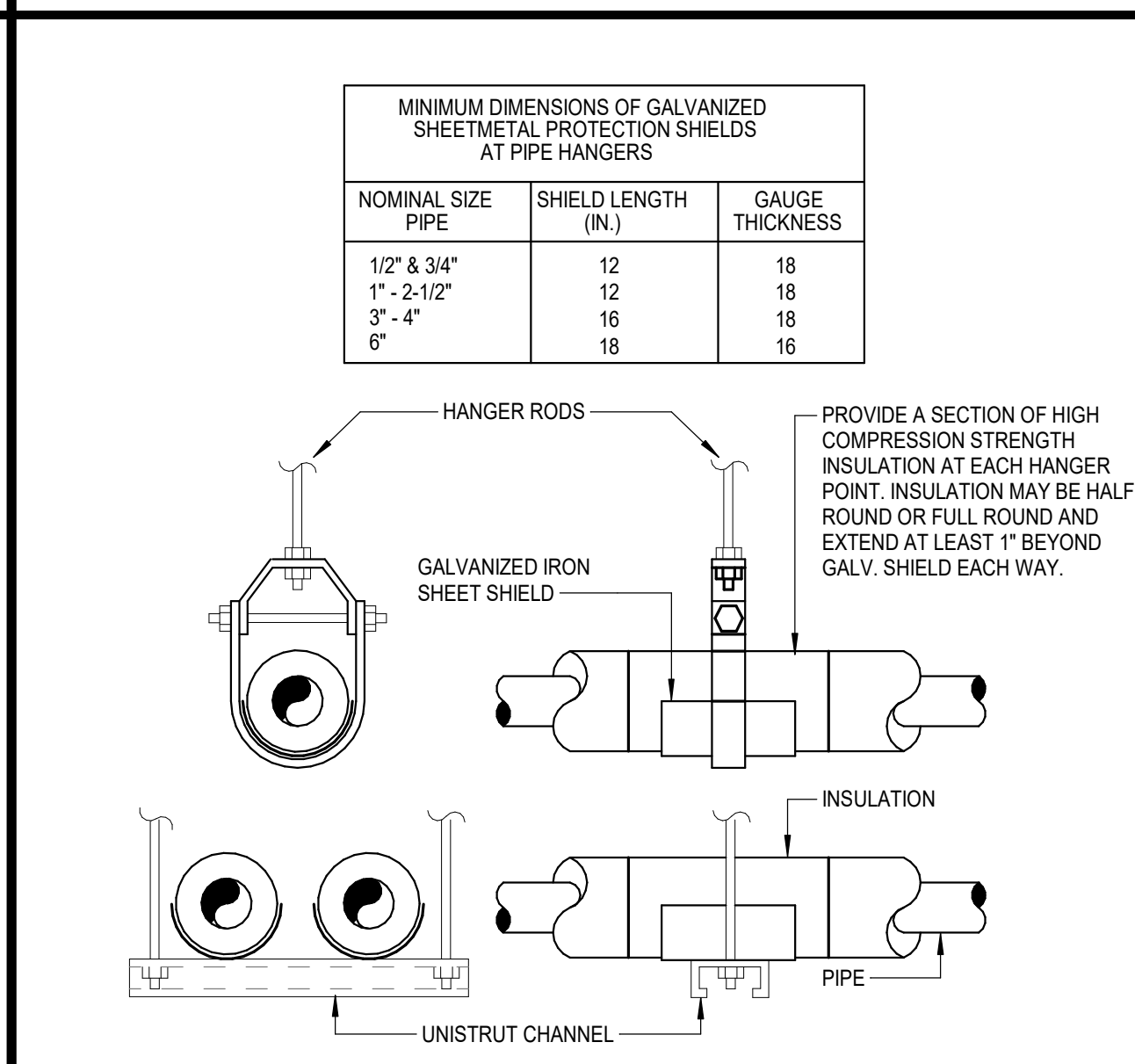
**7 WALL CLEANOUT**  
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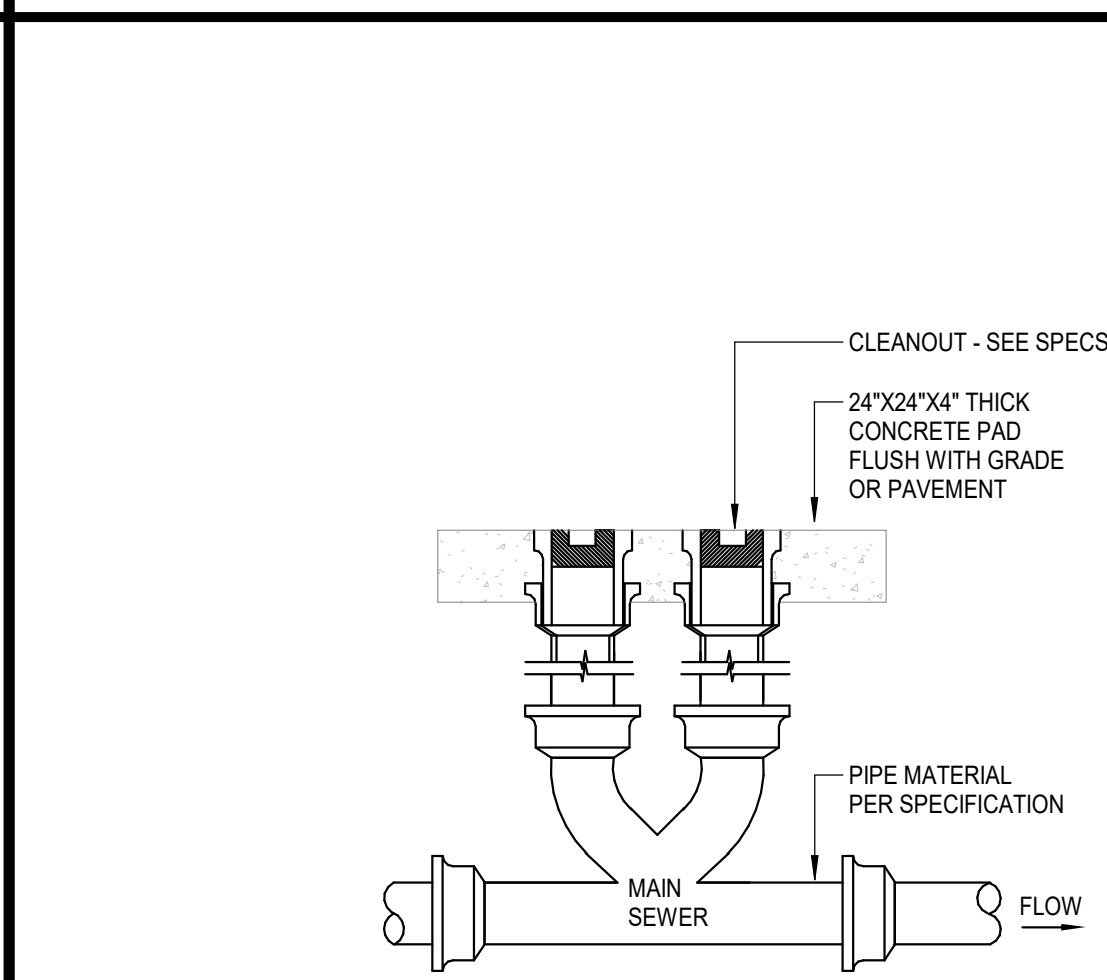
**3 FLOOR DRAIN**  
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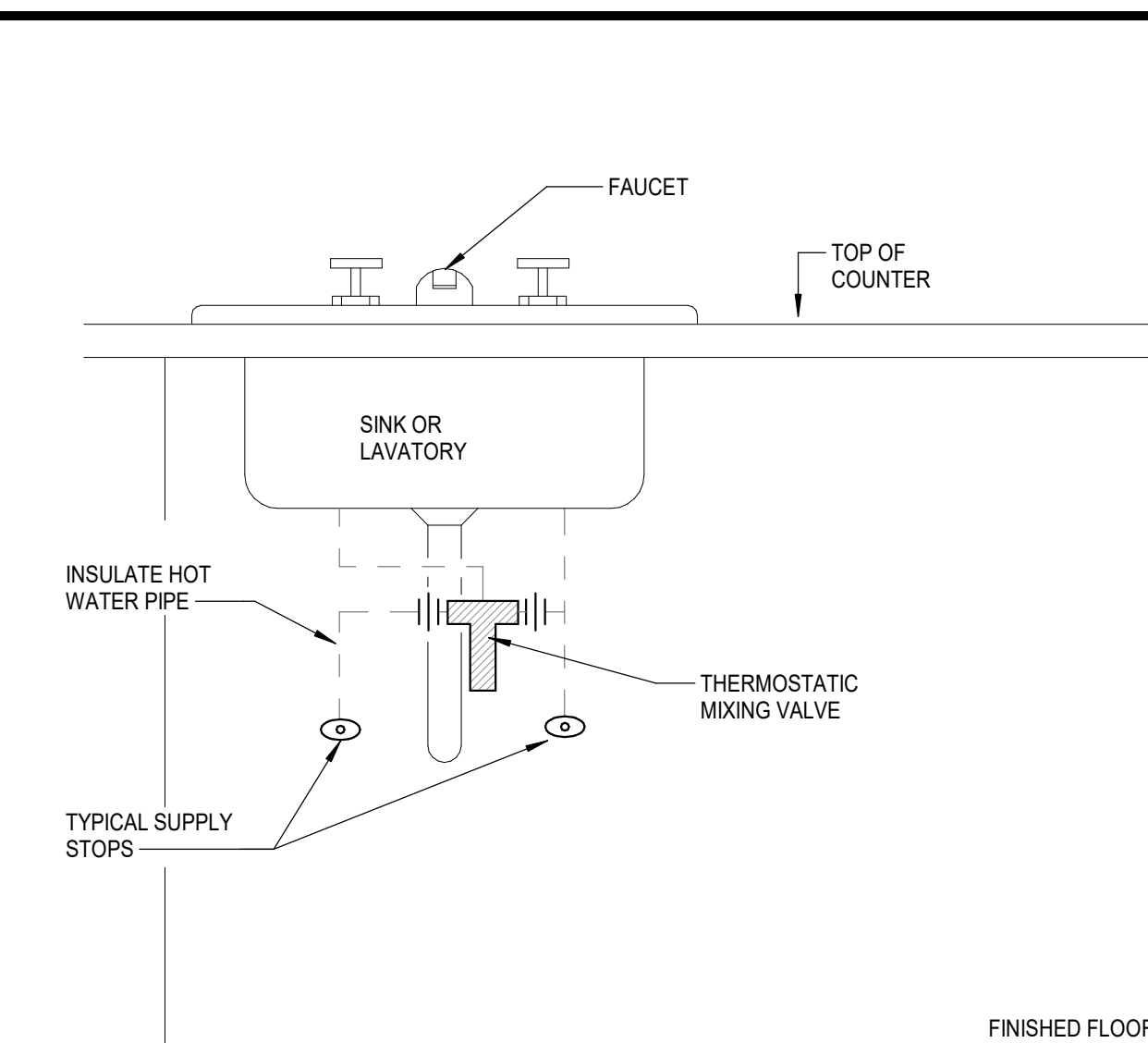
**14 DUPLEX DOMESTIC BOOSTER PUMP PKG**  
SCALE: NONE



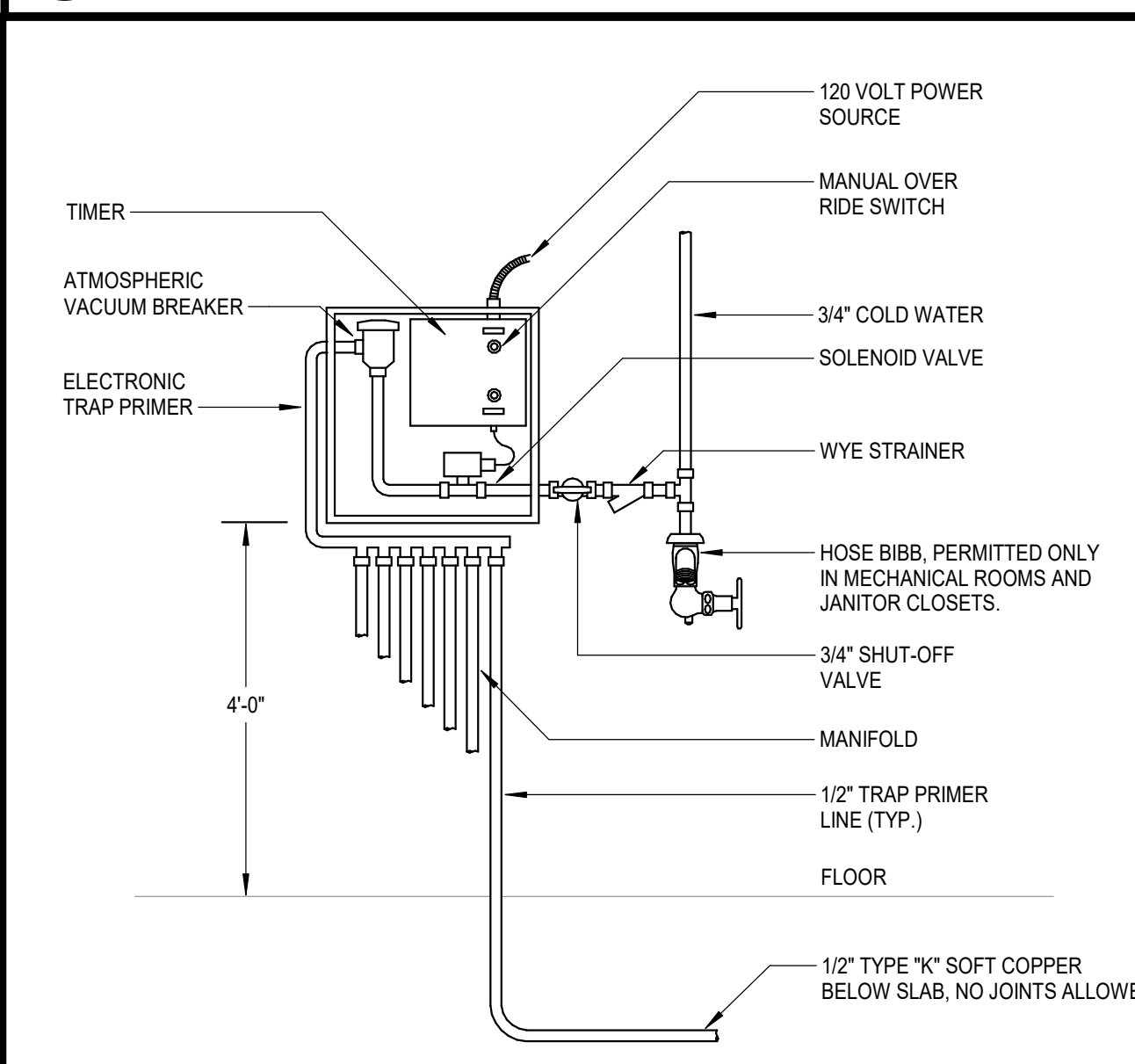
**10 PIPE SHIELDS FOR INSULATED PIPING**  
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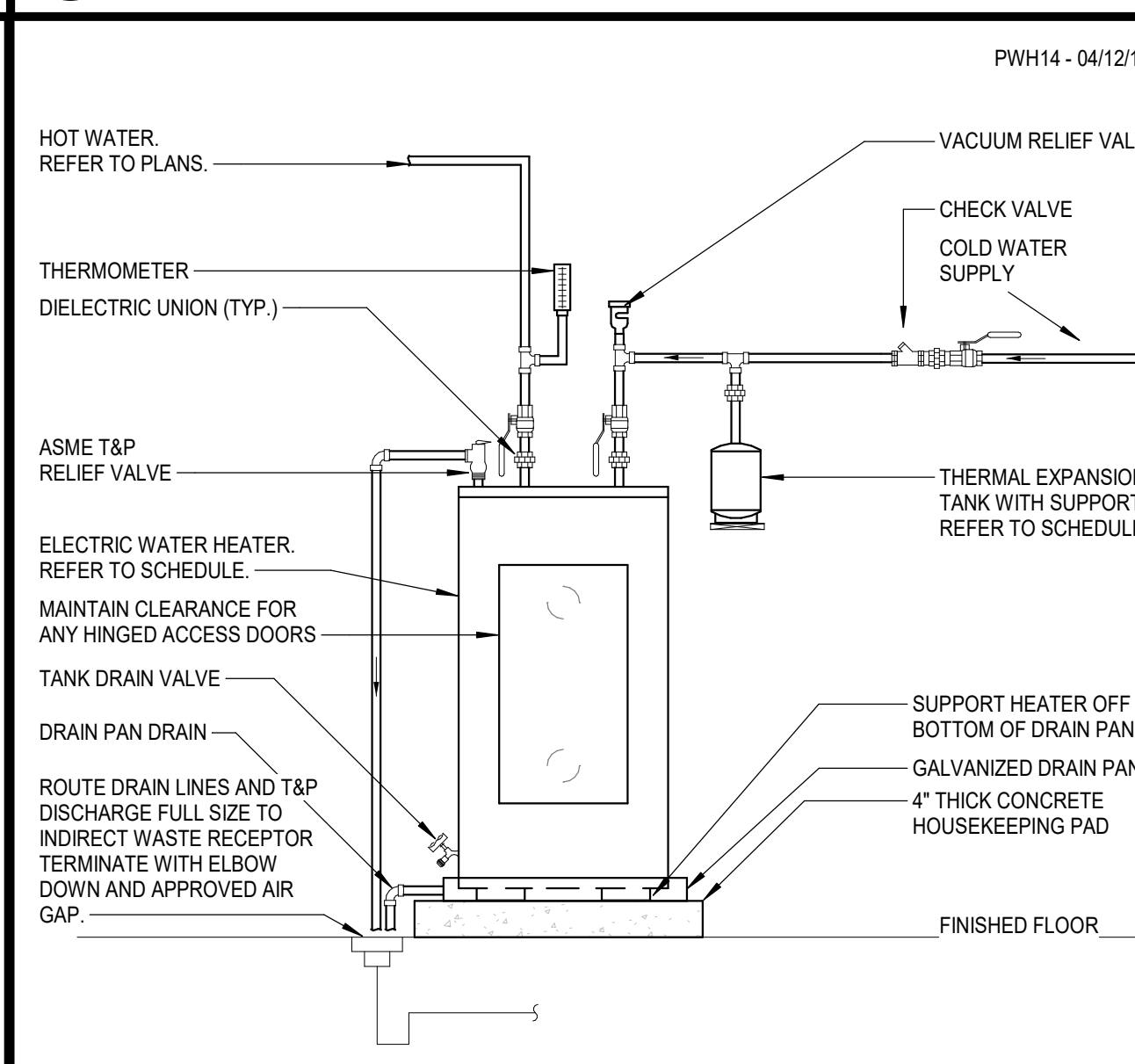
**6 TWO-WAY EXTERIOR CLEANOUT**  
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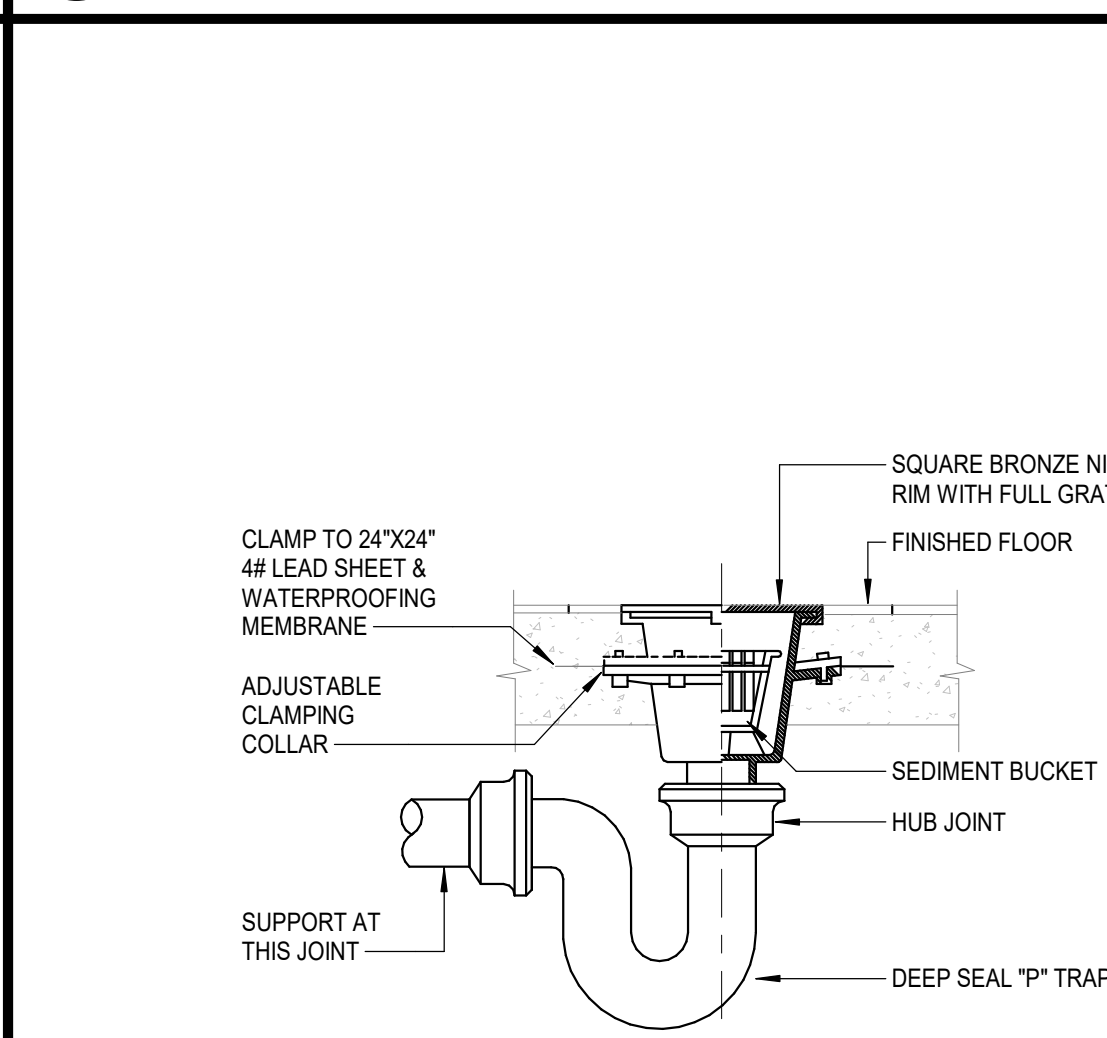
**2 THERMOSTATIC MIXING VALVE AT SINK/LAVATORY DUAL TEMPERATURE**  
SCALE: NONE



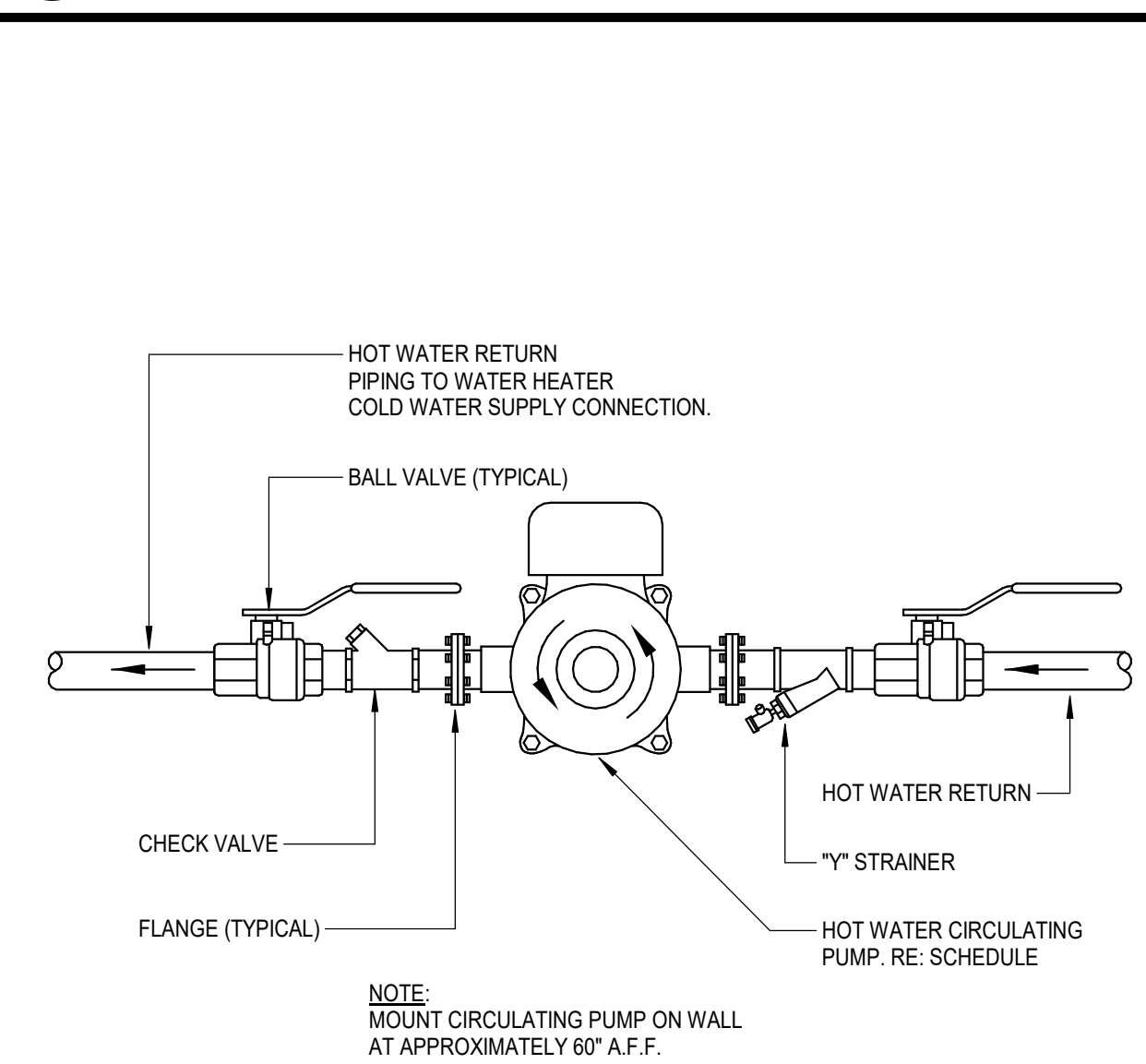
**13 ELECTRONIC TRAP PRIMER**  
SCALE: NONE



**9 ELECTRIC WATER HEATER PIPING**  
SCALE: NONE



**5 FLOOR SINK**  
SCALE: NONE



**1 HOT WATER CIRCULATING PUMP PIPING**  
SCALE: NONE



TELECOMMUNICATIONS

1.0 GENERAL NOTES

- THE GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS AND OTHER REQUIREMENTS OF DIVISION 0 & 1 SHALL APPLY TO ALL WORK WITHIN THESE DOCUMENTS. THE AUDIOVISUAL, ELECTRICAL, COMMUNICATION, MECHANICAL, AND SECURITY PLANS AND SPECIFICATIONS MAY APPLY TO THE WORK SPECIFIED. ANY CONTRADICTING INFORMATION SHALL BE SUBMITTED VIA AN RFI.
- THE SPECIFICATIONS AND DRAWINGS ARE TO BE EXECUTED AS A PART OF THE CONTRACT BETWEEN THE OWNER AND THE PRIME CONTRACTOR. ALL SCOPE EXECUTION AND DELINEATION SHALL BE MANAGED BY THE PRIME CONTRACTOR; ALL ATLAS CONSULTING DOCUMENTS ARE TO INDICATE REQUIRED SCOPE AND NOT EXECUTION RESPONSIBILITY.
- THE CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING SITE CONDITIONS ON AN ON-GOING BASIS TO DETERMINE THE EXTENT OF WORK AND CONDITION UNDER WHICH IT WILL BE DONE. IF SITE CONDITIONS PRESENT A CONFLICT WITH THE CONTRACT DOCUMENTS THE OWNER, OR CONSULTANT, SHOULD BE CONSULTED AS NEEDED FOR CLARIFICATION OR DIRECTION REGARDING ANY PROJECT RELATED QUESTIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE OWNER, OR CONSULTANT, VIA AN RFI.
- ALL SUBCONTRACTORS HIRED BY THE PRIME CONTRACTOR SHALL REVIEW THE PROVIDED TECHNOLOGY SPECIFICATIONS AND DRAWINGS FOR ALL REQUIRED EXECUTION. THESE DOCUMENTS CONTAIN COORDINATION REQUIREMENTS FOR DIVISION 0, 1, 10, 11, 14, 23, 26, & 32. IF ANY OF THE WORK PRESENTED WITHIN THE DOCUMENTS REQUIRES CLARIFICATION OR COORDINATION, THE PRIME CONTRACTOR SHALL SUBMIT AN RFI BEFORE PROCEEDING WITH THE WORK.
- ANY WORK THAT HINDERS OR INHIBITS THE EXECUTION OF THESE DOCUMENTS BY COORDINATING SUBCONTRACTORS SHALL BE BROUGHT TO THE ATTENTION OF THE PRIME CONTRACTOR.
- ALL INSTALLED EQUIPMENT, CABLING, AND LABOR REQUIRED TO COMPLETE THE DEFINED SCOPE IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR AND THEIR SUBCONTRACTORS. DURING THE COURSE OF CONSTRUCTION ALL OF THESE ITEMS SHALL BE PROTECTED AND KEPT FROM HARM. SHALL ANY DAMAGE OCCUR BEFORE THE PUNCH LIST, IT WILL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER.

2.0 STRUCTURED CABLING PATHWAYS

- THE MINIMUM SIZED CONDUIT FOR ALL WALL MOUNTED DATA OUTLETS SHALL BE 1-IN. IN DIAMETER. ANY OUTLET THAT REQUIRES MORE THAN (4) FOUR CABLES SHALL HAVE AN ADDITIONAL 1-IN. CONDUIT ROUTED TO THE BOX.
- REFER TO DIVISION 27 05 33 FOR ALL IN-WALL BOX SIZING. MINIMUM SIZED DATA OUTLET BOX IS DEFINED AS "COMMUNICATION BACKBOX". IN ORDER TO SUPPORT COORDINATING ELECTRICAL RECEPTACLES, ALL WALL MOUNTED DATA OUTLETS SHALL TERMINATE WITHIN A BOX MOUNTING BRACKET.
- ALL BACKBOXES SUPPORTING A WALL MOUNTED DATA OUTLET WITH (4) FOUR OF LESS CABLES REQUIRE A SINGLE GANG REDUCING RING TO BE INSTALLED FOR MOUNTING OF THE OUTLET FACEPLATE.
- A MINIMUM SIZED CONDUIT PATHWAY ASSEMBLY IS DEFINED AS A MINIMUM SIZED CONDUIT, BACKBOX, REDUCING RING, AND PULL-STRING AS SPECIFIED.
- ANY ROOM WITH CABLING TRANSITIONING FROM ANOTHER SPACE SHALL HAVE A CONDUIT SLEEVE INSTALLED FOR CABLE PROTECTION. THESE SLEEVES SHALL BE DEDICATED FOR STRUCTURED CABLING AND NOT SHARED.
- WITHIN A 100 FOOT LENGTH, THERE SHOULD BE NO GREATER THAN 180 DEGRESS WORTH OF BENDS WITHIN THE MINIMUM ALLOWED TO BE A 90 DEGREE BEND. IF THESE CONDITIONS CANNOT BE MET, A J-BOX MUST BE PLACED IN THE RUN WITH THE ABILITY TO ACCESS THE BOX THROUGH THE CEILING.
- ALL REFLECTED CEILING PLANS INDICATE THE TYPE OF FINISHED CEILING WITHIN THE SPACE FOR DIRECTION ON HOW TO MOUNT INFRASTRUCTURE AND EQUIPMENT. ALL SPECIFIC TYPES AND HEIGHTS SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS FOR REQUIRED LABOR, LIFTS, ETC.
- FOR ALL TERMINATIONS SUPPORTING AN EXTERNAL DEVICE WITHIN A HARDLID OR EXPOSED CEILING, PROVIDE A MINIMUM SIZED CONDUIT ASSEMBLY FROM THE INTERIOR SURFACE TO THE NEAREST ACCESSBILE CEILING.
- ALL LOCATIONS OF DATA OUTLETS THAT SHOW A COUNT OF "0" SHOULD BE TREATED AS A TYPICAL PATHWAY TO BE USED FOR FUTURE DEVICE(S). BLANK PLATE SHALL BE PROVIDED.

3.0 ELECTRICAL

- ALL RECEPTACLES SUPPORTING TELECOMMUNICATION RACKS, WALL MOUNTED CABINET, OR ENCLOSURES SHALL BE ON A DEDICATED CIRCUIT WITH AN ISOLATED GROUND.
- ALL ELECTRICAL INFORMATION SHOWN WITHIN THESE DOCUMENTS ARE FOR REFERENCE OR INSTALLATION LOCATION ONLY. ALL SPECIFICS SHALL BE COORDINATED WITH THE ELECTRICAL DRAWINGS AND SPECIFICATIONS.
- ALL WALL MOUNTED DATA OUTLETS SHALL HAVE CORRESPONDING RECEPTACLE INSTALLED WITHIN 6", UTILIZING BOX MOUNTING BRACKET AS SPECIFIED IN DIVISION 27 05 33.

4.0 COMMUNICATIONS CABLE

- COMMUNICATIONS CABLE SHALL NOT BE PAINTED.
- LABEL CABLES PER OWNER STANDARD. COORDINATE FINAL NOMENCLATURE WITH OWNER PRIOR TO INSTALLATION.
- ALL CABLING INSTALLED UNDERGROUND IN CONCRETE SLABS, IN DIRECT CONTACT WITH THE EARTH, IN LOCATIONS SUBJECT TO SATURATION WITH LIQUIDS AND UNPROTECTED LOCATIONS EXPOSED TO WEATHER SHALL BE CONSTRUCTED WITH APPROPRIATE WEATHER PROOFING COMPOUNDS AND SHEATHING.
- AT NO TIME SHALL ZIP TIES BE USED TO SECURE CABLE IN BUNDLES OR TO PATHWAY/SUPPORTS. ANY CABLES FOUND TO BE SECURED BY ZIP TIE WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

5.0 COMMUNICATIONS ROOMS

- CONTRACTOR TO PROVIDE AUTOCAD FLOOR PLAN AS-BUILT ON "D" SIZE PAPER, LAMINATED WITH PLASTIC AND MOUNTED BEHIND CUT PLEXI-GLASS ON THE WALL IN THE TELECOMMUNICATIONS ROOM.
- ALL VERTICAL TRANSITIONS, FROM WALL OR UNDERGROUND, SHALL HAVE A VERTICAL LADDER TRAY INSTALLED TO THE NEAREST CEILING SUPPORTED TRAY. PROVIDE A MINIMUM OF 12" TRAY WITH WALL MOUNT KITS.
- ALL QUANTITIES OF PATCH PANELS SHOWN ARE GRAPHICAL IN NATURE AND DO NOT ACCOUNT FOR ACCURATE CABLE COUNT. PROVIDE NECESSARY PATCH PANELS TO MATCH DROP COUNT PLUS 10% GROWTH.

6.0 ABBREVIATIONS

OF	OWNER FURNISHED
OI	OWNER INSTALLED
CF	CONTRACTOR FURNISHED
CI	CONTRACTOR INSTALLED
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
MDF	MAIN DISTRIBUTION FRAME
IDF	INTERMEDIATE DISTRIBUTION FRAME
LAN	LOCAL AREA NETWORK
N/A	NOT APPLICABLE
NIC	NOT INCLUDED IN CONTRACT
REF	REFERENCE
TYP	TYPICAL

TELECOMMUNICATIONS RESPONSIBILITY MATRIX		
TELECOMMUNICATIONS RESPONSIBILITY MATRIX	SPECIFICATION SECTION	INSTALLATION TYPE
HORIZONTAL CABLING	27 10 00	
BACKBONE CABLING	27 10 00	CFCI
TELECOMMUNICATIONS ROOM BUILDOUT	27 10 00	CFCI
UPS DEVICES	27 10 00	CFCI
COPPER PATCH CORDS	27 10 00	CFCI
FIBER PATCH CORDS	27 10 00	CFCI
NETWORK SWITCHES	-	OFOI
WIRELESS ACCESS POINTS	-	OFCI
PHONES	-	OFOI
PATHWAYS	27 05 33	CFCI
FLOOR BOXES	DIVISION 26	CFCI

AUDIOVISUAL RESPONSIBILITY MATRIX		
AUDIOVISUAL RESPONSIBILITY MATRIX	SPECIFICATION SECTION	INSTALLATION TYPE
BUILDING NETWORK CABLING	27 10 00	CFCI
AUDIOVISUAL CABLING	27 41 00	CFCI
AUDIOVISUAL SPECIALTY BACKBOXES	27 41 00	CFCI
DISPLAY MOUNTS	-	OFCI
FLAT PANEL DISPLAYS	-	OFCI
PATHWAYS	27 05 33	CFCI
FLOOR BOXES	DIVISION 26	CFCI

AUDIOVISUAL AND BUILDING COMMUNICATIONS

1.0 GENERAL NOTES

- THE GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS AND OTHER REQUIREMENTS OF DIVISION 0 & 1 SHALL APPLY TO ALL WORK WITHIN THESE DOCUMENTS. THE AUDIOVISUAL, ELECTRICAL, COMMUNICATION, MECHANICAL, AND SECURITY PLANS AND SPECIFICATIONS MAY APPLY TO THE WORK SPECIFIED. ANY CONTRADICTING INFORMATION SHALL BE SUBMITTED VIA AN RFI.
- THE SPECIFICATIONS AND DRAWINGS ARE TO BE EXECUTED AS A PART OF THE CONTRACT BETWEEN THE OWNER AND THE PRIME CONTRACTOR. ALL SCOPE EXECUTION AND DELINEATION SHALL BE MANAGED BY THE PRIME CONTRACTOR; ALL ATLAS CONSULTING DOCUMENTS ARE TO INDICATE REQUIRED SCOPE AND NOT EXECUTION RESPONSIBILITY.
- ANY AUDIOVISUAL WORK REQUIRING CUTTING, PATCHING, OR MODIFYING ANY BUILDING STRUCTURE SHALL HAVE THE METHOD OF IMPLEMENTATION SUBMITTED TO THE OWNER VIA AN RFI.
- ALL SUBCONTRACTORS HIRED BY THE PRIME CONTRACTOR SHALL REVIEW THE PROVIDED TECHNOLOGY SPECIFICATIONS AND DRAWINGS FOR ALL REQUIRED EXECUTION. THESE DOCUMENTS CONTAIN COORDINATION REQUIREMENTS FOR DIVISION 0, 1, 10, 11, 23, & 26. IF ANY OF THE WORK PRESENTED WITHIN THE DOCUMENTS REQUIRES CLARIFICATION OR COORDINATION, THE PRIME CONTRACTOR SHALL SUBMIT AND RFI BEFORE PROCEEDING WITH THE WORK.
- ALL INSTALLED EQUIPMENT, CABLING, AND LABOR REQUIRED TO COMPLETE THE DEFINED SCOPE IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR AND THEIR SUBCONTRACTORS. DURING THE COURSE OF CONSTRUCTION ALL OF THESE ITEMS SHALL BE PROTECTED AND KEPT FROM HARM. SHALL ANY DAMAGE OCCUR BEFORE THE PUNCH LIST, IT WILL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER.
- ALL MOUNTED DEVICES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE; ANY SYSTEM THAT WEIGHS MORE THAN 200LBS SHALL HAVE A SET OF ENGINEERED DRAWINGS SUBMITTED VIA AN RFI FOR APPROVAL BY OWNER AND DESIGN TEAM. CONTRACTOR TO PROVIDE IN WALL 5/8" FRT PLYWOOD BLOCKING FOR ALL WALL MOUNTED AUDIOVISUAL DEVICES OVER 25LBS.

2.0 AUDIOVISUAL PATHWAYS

- ALL AUDIOVISUAL CABLING IS SUBJECT TO FOLLOW THE PATHWAY REQUIREMENTS OF DIVISION 27 05 33.
- ANY SPECIALTY BACKBOXES REQUIRED FOR INSTALLATION SHALL BE COORDINATED BY THE PRIME CONTRACTOR. ALL PATHWAYS TERMINATING WITHIN BACK BOX SHALL BE COORDINATED FOR REQUIRED CABLE ROUTING.
- THE MINIMUM SIZED CONDUIT FOR ALL AUDIOVISUAL PATHWAYS SHALL BE 1.25 IN. IN DIAMETER.
- REFER TO DIVISION 27 05 33 FOR ALL IN-WALL BOX SIZING. MINIMUM SIZED AUDIOVISUAL OUTLET BOX IS DEFINED AS "COMMUNICATION BACKBOX".
- A MINIMUM SIZED CONDUIT PATHWAY ASSEMBLY IS DEFINED AS A MINIMUM SIZED CONDUIT, BACKBOX, AND PULL-STRING AS SPECIFIED.
- ANY ROOM WITH CABLING TRANSITIONING FROM ANOTHER SPACE SHALL HAVE A CONDUIT SLEEVE INSTALLED FOR CABLE PROTECTION. THESE SLEEVES SHALL BE DEDICATED FOR AUDIOVISUAL AND NOT SHARED.

3.0 ELECTRICAL

- ALL SPECIALTY BACKBOXES AND FLOOR BOXES SHALL BE COORDINATED BY THE PRIME CONTRACTOR. RECEPTACLES SUPPORTING AUDIOVISUAL EQUIPMENT AND RACKS SHALL BE INSTALLED WITHIN PROVIDED INFRASTRUCTURE.
- ALL RECEPTACLES SUPPORTING AUDIOVISUAL EQUIPMENT AND RACKS SHALL BE ON A DEDICATED CIRCUIT WITH AN ISOLATED GROUND.

TECHNOLOGY SHEET INDEX

T1.01	TECHNOLOGY INDEX
T1.02	TECHNOLOGY INDEX
T1.11	TECHNOLOGY OVERALL SITE PLAN
T2.11	TECHNOLOGY OVERALL PLAN - LEVEL 1
T2.11A	TECHNOLOGY UNIT PLAN - LEVEL 1 - UNIT A
T6.11A	TECHNOLOGY UNIT RCP - LEVEL 1 - UNIT A
T8.01	TECHNOLOGY ENLARGED PLANS
T9.01	TECHNOLOGY DETAILS
T9.02	TECHNOLOGY DETAILS



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LH	

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24-103.00

SHEET TITLE

TECHNOLOGY INDEX

SHEET NO.

T1.01





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WHITE SETTLEMENT ISD  
WHITE SETTLEMENT, TX

## NEW MAINTENANCE & OPERATIONS WAREHOUSE



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TECHNOLOGY INDEX

SHEET NO.

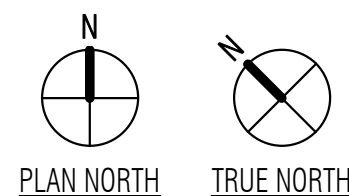
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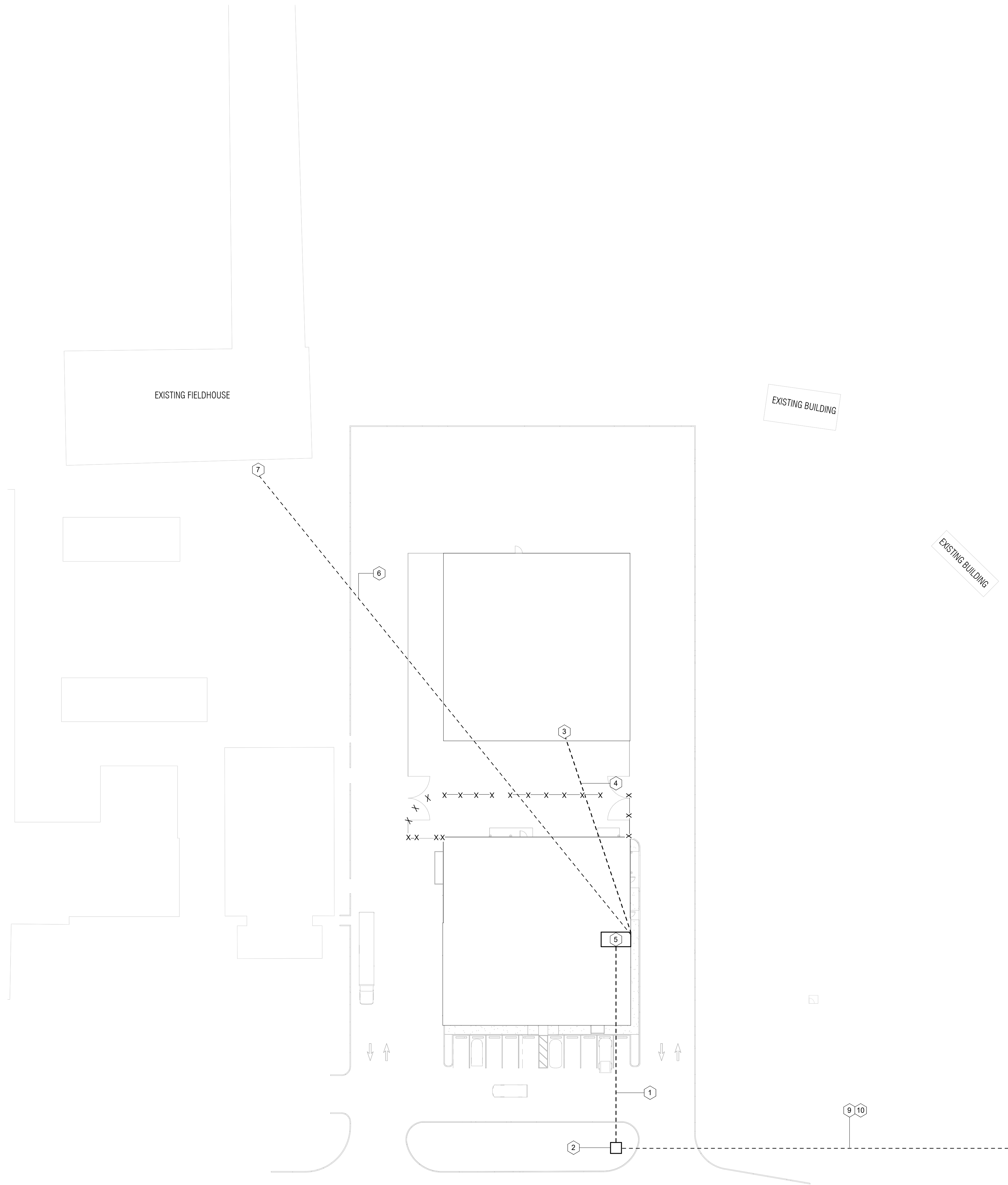
## TECHNOLOGY SYMBOL LEGEND

[illegible]






1 TECHNOLOGY OVERALL SITE PLAN  
SCALE: 1" = 30'-0"



KEYNOTE LEGEND	
1	(2) 4 IN. EACH WITH A 3-CELL FABRIC INNERDUCT, FROM SITE RIGHT-OF-WAY TO BUILDING MDF. (1) 3 IN. CONDUIT FROM BUILDING MDF TO TRANSPORTATION BUILDING. EACH CONDUIT SHALL BE SCHEDULE 40 PVC, EXTENDING A MAXIMUM OF 4 IN. ABOVE SLAB IN TELECOMMUNICATION ROOM. PROVIDE WITH NON-SPLIT BUSHINGS AND NYLON PULL-STRING.
2	LOCATION OF 11 IN. X 20 IN. X 12 IN. HANDHOLE FOR ROUTING OF UNDERGROUND CABLING.
3	LOCATION OF 11 IN. X 21 IN. X 12 IN. HANDHOLE FOR SERVICE OF FUTURE PEM BUILDING. COORDINATE FINAL LOCATION WITH THE FUTURE SLAB AND ENSURE IT IS LOCATED WITHIN THE INTERIOR OF THE BUILDING.
4	(1) 3 IN. CONDUIT WITH A 3-CELL FABRIC INNERDUCT, FROM BUILDING MDF TO NEW HANDHOLE SERVING FUTURE PEM BUILDING. CONDUIT SHALL BE SCHEDULE 40 PVC, EXTENDING A MAXIMUM OF 4 IN. ABOVE SLAB IN TELECOMMUNICATION ROOM.PROVIDE WITH NON-SPLIT BUSHINGS AND NYLON PULL-STRING
5	LOCATION OF IDF A 116.
6	(1) 3 IN. CONDUIT FROM BUILDING MDF TO EXISTING PULLBOX SERVING FIELDHOUSE. CONDUIT SHALL BE SCHEDULE 40 PVC, EXTENDING A MAXIMUM OF 4 IN. ABOVE SLAB IN TELECOMMUNICATION ROOM.PROVIDE WITH NON-SPLIT BUSHINGS AND NYLON PULL-STRING.
7	LOCATION OF EXISTING PULLBOX SERVING FIELDHOUSE.
9	TRANSPORTATION BUILDING IS APPROXIMATELY 550-FEET FROM NEW HANDHOLE, ROUTE CONDUIT ON FACE OF TRANSPORTATION BUILDING AND ROUTE TO SURFACE MOUNTED PULLBOX.
10	(1) 3 IN. CONDUIT FROM BUILDING MDF TO TRANSPORTATION BUILDING. CONDUIT SHALL BE SCHEDULE 40 PVC, EXTENDING A MAXIMUM OF 4 IN. ABOVE SLAB IN TELECOMMUNICATION ROOM.





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SHEET TITLE

TECHNOLOGY OVERALL  
SITE PLAN

SHEET NO.

T1.11

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SHEET TITLE

TECHNOLOGY UNIT PLAN -  
LEVEL 1 - UNIT A

SHEET NO.

T2.11A

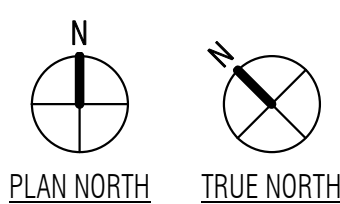
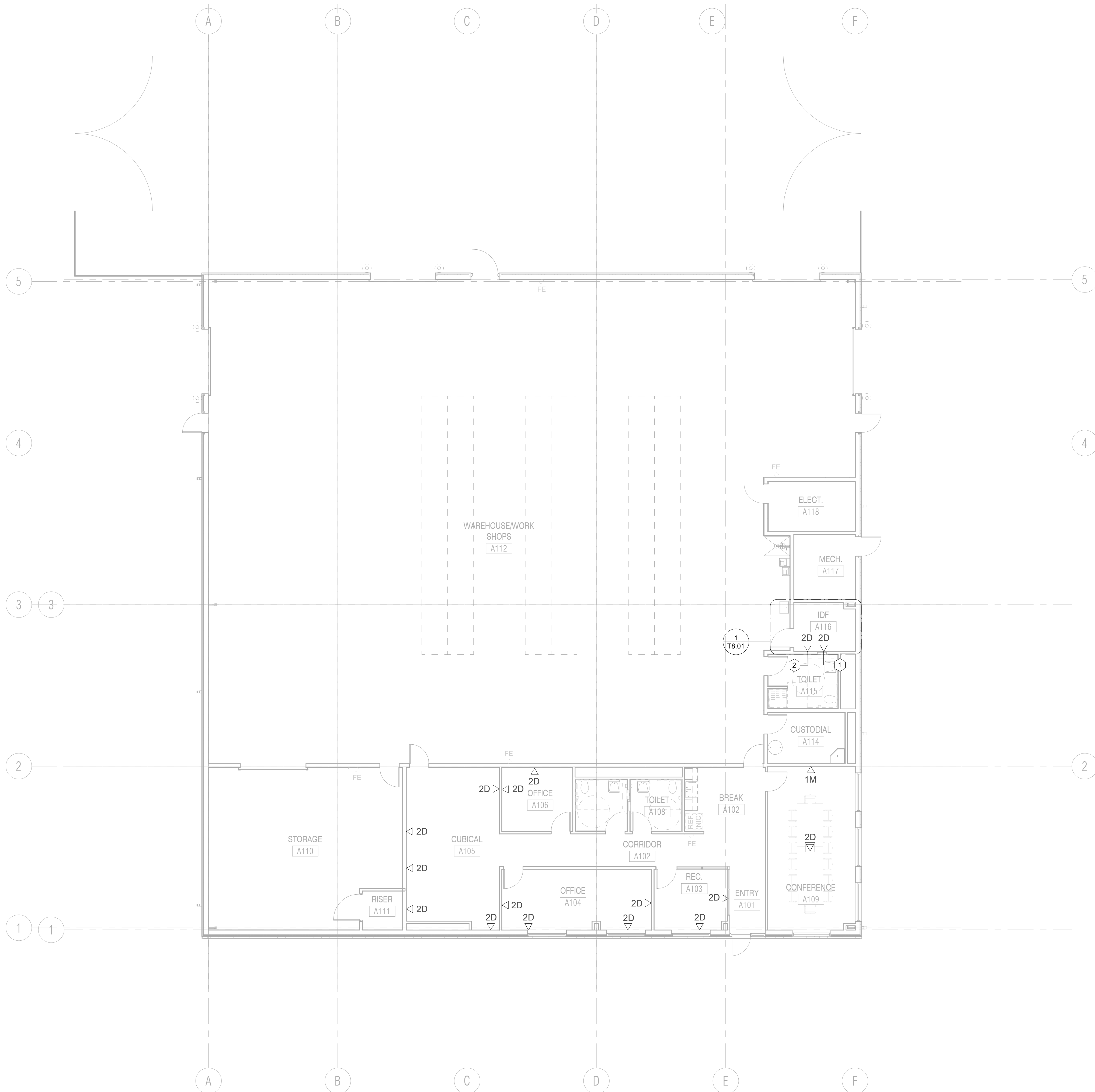
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NEW MAINTENANCE & OPERATIONS WAREHOUSE

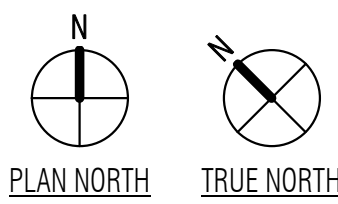
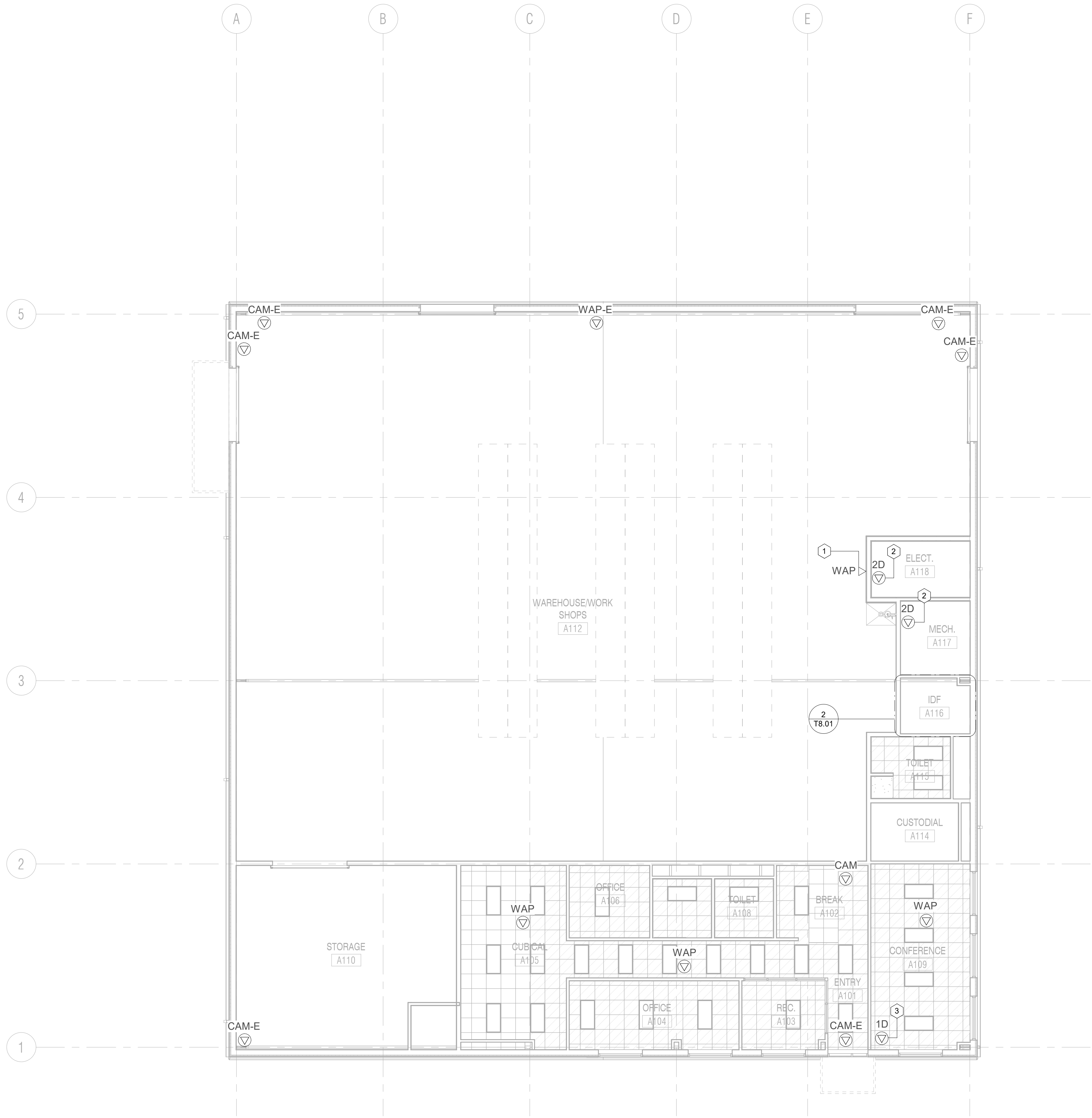
KEYNOTE LEGEND

- 1 LOCATION OF DATA DROPS TO BE CONTAINED WITHIN PROVIDED ACCESS CONTROL ENCLOSURE. TERMINATE ON SURFACE MOUNTED BLOCK WITHIN ENCLOSURE. COORDINATE FINAL TERMINATION LOCATION WITH TY-SERIES SHEETS.
- 2 LOCATION OF DATA DROPS TO BE CONTAINED WITHIN PROVIDED INTRUSION DETECTION ENCLOSURE. TERMINATE ON SURFACE MOUNTED BLOCK WITHIN ENCLOSURE. COORDINATE FINAL TERMINATION LOCATION WITH TY-SERIES SHEETS.



1 TECHNOLOGY FLOOR PLAN - LEVEL 1 - UNIT A  
SCALE: 1/8" = 1'-0"



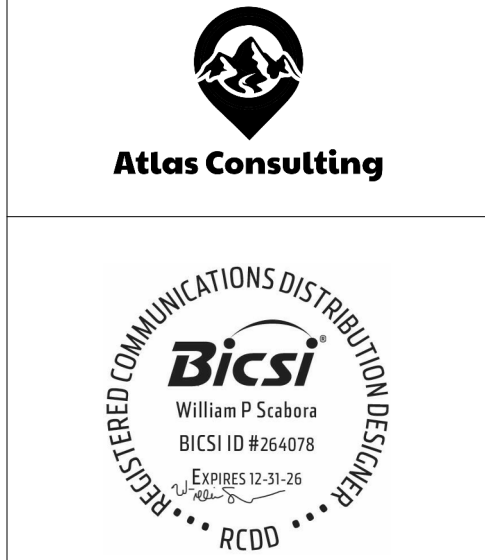


1 **TECHNOLOGY ROP - LEVEL 1 - UNIT A**  
SCALE: 1/8" = 1'-0"

KEYNOTE LEGEND	
1	WIRELESS ACCESS POINT AT THIS LOCATION TO BE MOUNTED AT 15-FEET AFG.
2	DATA OUTLET LOCATION TO BE USED FOR BUILDING CONTROL SYSTEM LOCATION TO TERMINATE WITHIN A SURFACE MOUNTED BOX ON THE CORRIDOR WALL, PROVIDE WITH 30' SERVICE LOOP. COORDINATE PATHWAY AND TERMINATION WITH PROVIDING CONTRACTOR, PRIOR TO TESTING.
3	DATA OUTLET LOCATION TO BE DEDICATED FOR VIDEO INTERCOM DEVICE. DATA DROP TO TERMINATE ABOVE ROUGH-IN ON SURFACE MOUNTED BOX. ROUTE PATCH CORD WITHIN PROVIDED PATHWAY. PROVIDE A MINIMUM OF A 15' PATCH CORD, AT THIS LOCATION.

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SHEET TITLE  
TECHNOLOGY UNIT RCP -  
LEVEL 1 - UNIT A

SHEET NO.

**T6.11A**

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KEYNOTE LEGEND	
1	6 INCH VERTICAL WIRE MANAGER
2	2-POST RACK
3	3/4 INCH FIRE RATED PLYWOOD, MINIMUM GRADE AC
4	TELECOMMUNICATIONS BONDING BUS BAR
5	LOCATION OF INCOMING SITE CONDUITS.
6	12 INCH HORIZONTAL CABLE TRAY
7	ACCESS CONTROL PANEL
8	INTRUSION DETECTION PANEL

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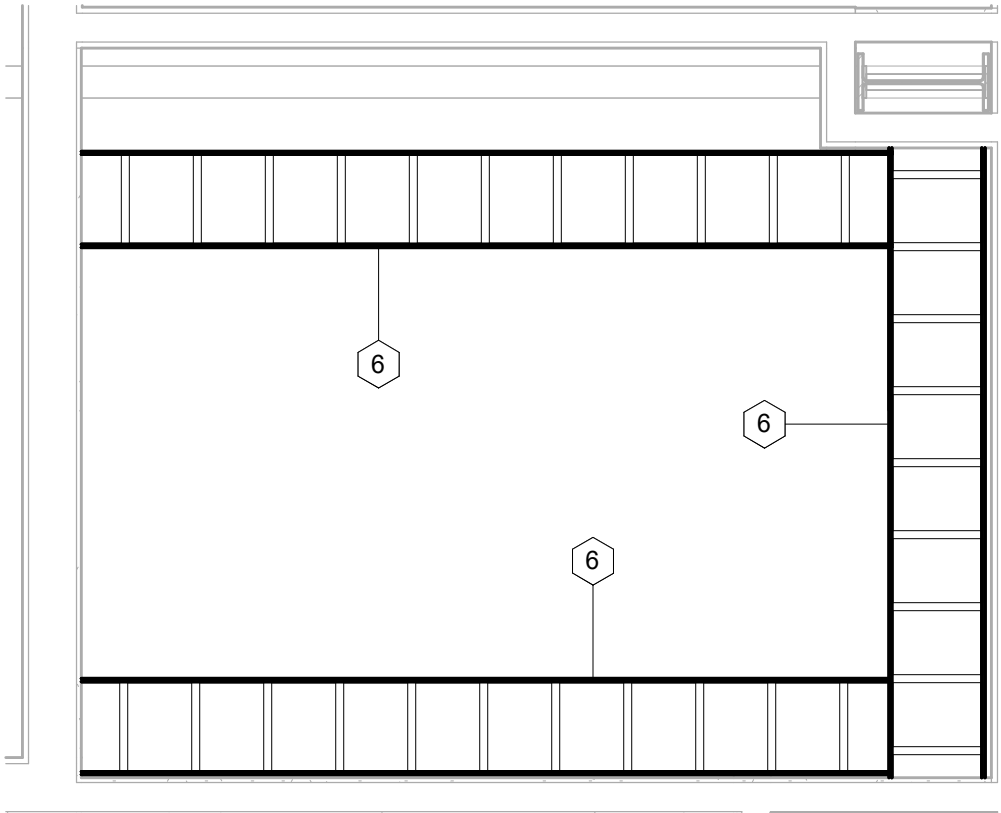
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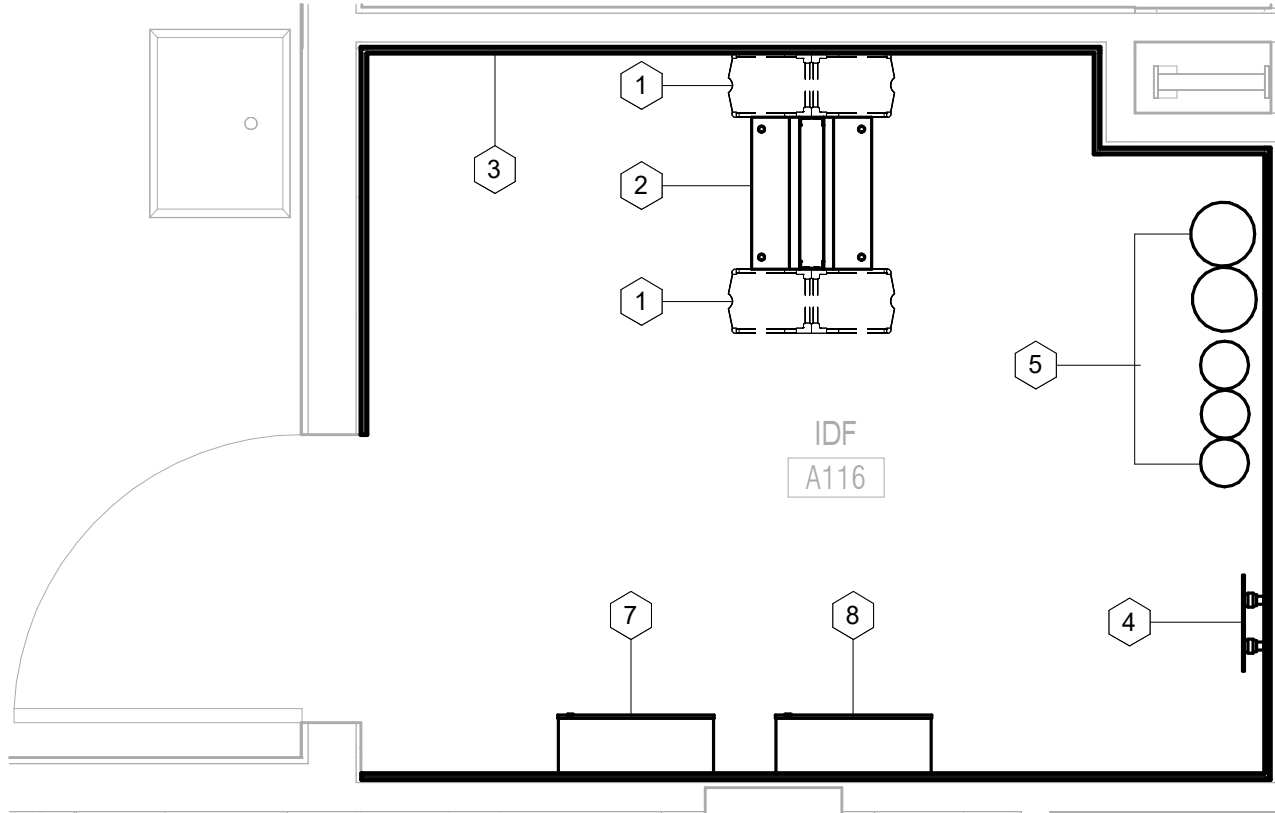
TECHNOLOGY ENLARGED PLANS

SHEET NO.

T8.01



2 TECHNOLOGY ENLARGED RCP - IDF A116  
SCALE: 1/2" = 1'-0"



1 TECHNOLOGY ENLARGED PLAN - IDF A116  
SCALE: 1/2" = 1'-0"





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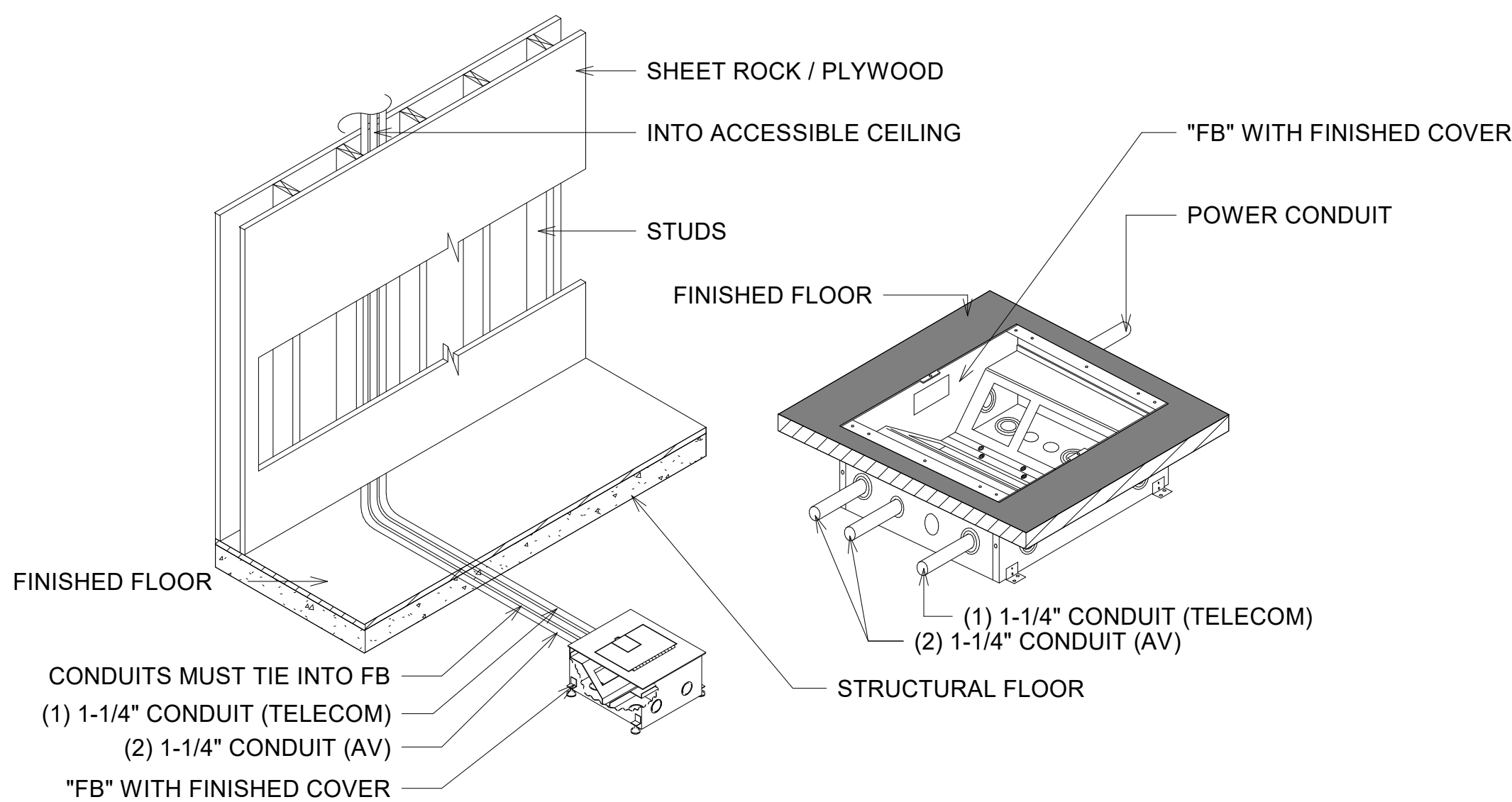
TECHNOLOGY DETAILS

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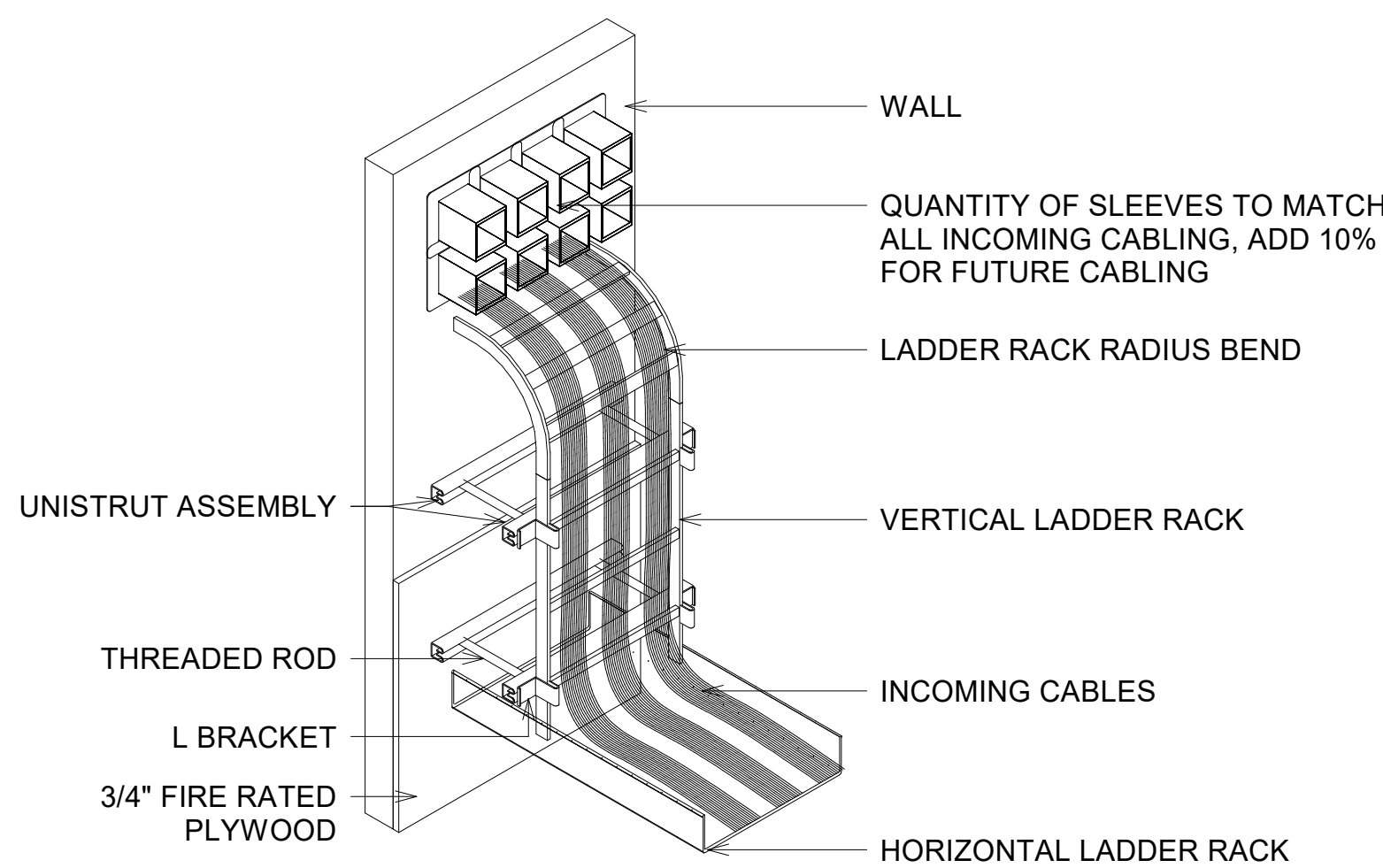
T9.01

GENERAL NOTES:

- FLOOR PLAN SHOWS INTENDED CONDUIT PATH WITH LINE TO NEAREST WALL.
- "FB" ALSO REQUIRE AC POWER BY OTHERS (PATHWAY NOT SHOWN).
- ROUTE TELECOM CONDUIT ABOVE CEILING TO ACESIBLE CEILING. (TYPICAL).
- MOUNT AV CONDUITS ABOVE FINISHED CEILING AND SWEEP 90 DEGREES INTO RECESSED BACKBOX.
- SEE AV SCHEMATICS FOR REQUIRED FLOOR CONNECTIONS.
- ALL IN-SLAB CABLING TO BE RATED.
- PROVIDE PRE-POUR FLOOR PAN FOR ANY ON-GRADE LOCATIONS.
- COORDINATE COVER AND FINISH WITH ARCHITECT.



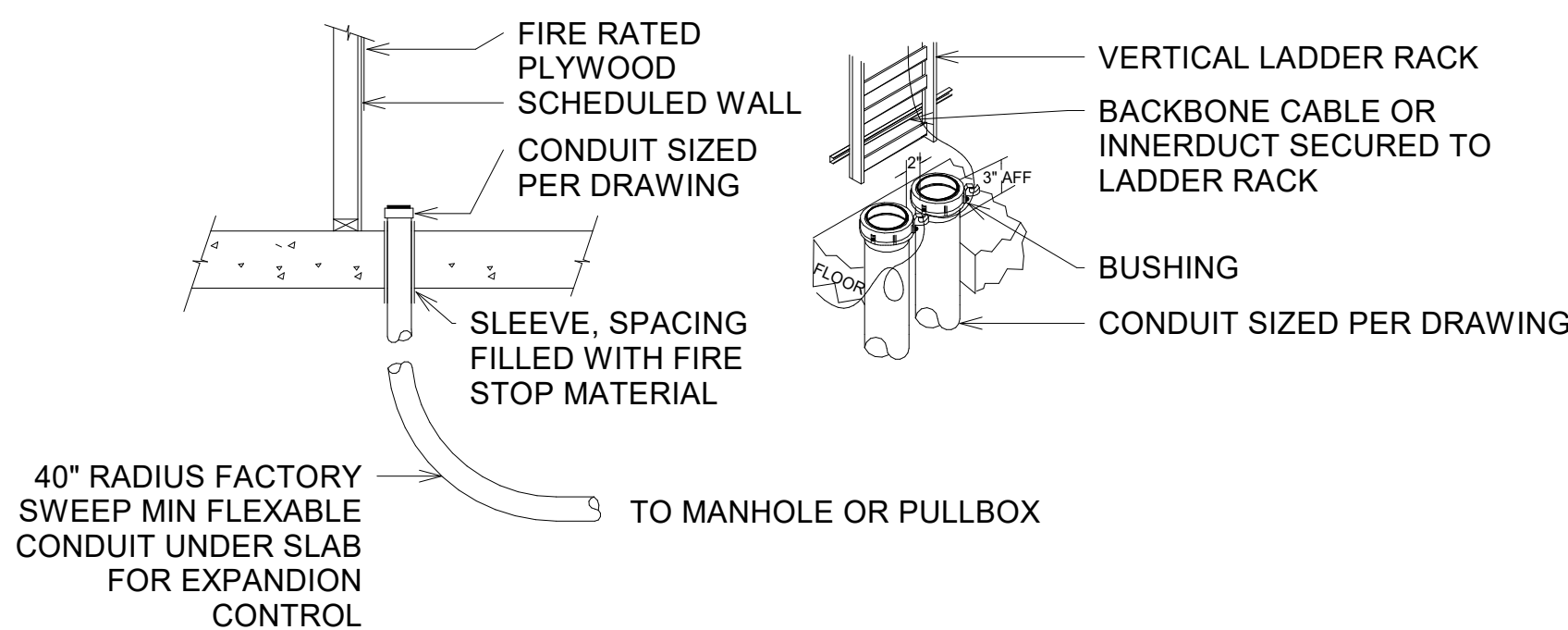
5 "FB" FLOOR BOX ROUGH-IN DETAIL  
NTS



4 INCOMING CABLE PATHWAY DETAIL  
NTS

GENERAL NOTES

- CONDUIT SLEEVES (BY ELECTRICAL CONTRACTOR OR BY G.C. DIRECTION).
- FIRE STOP ALL FLOOR PENETRATIONS WITH APPROVED FIRE STOP SYSTEM RATED FOR SPECIFIES ARCH. SPECIFICATION FOR APPROVED RATED MATERIAL AND METHODS.
- CONDUIT SHALL BE CAPPED OR PLUGGED WITH REMOVABLE COVER AT ALL TIMES DURING CONSTRUCTION.
- CONDUITS SHALL BE CUT DOWN MAX 1'-0" FROM AFF.
- ALL CONDUITS SHALL BE WATERPROOF SEALED AS SOON AS THEY ARE INSTALLED.



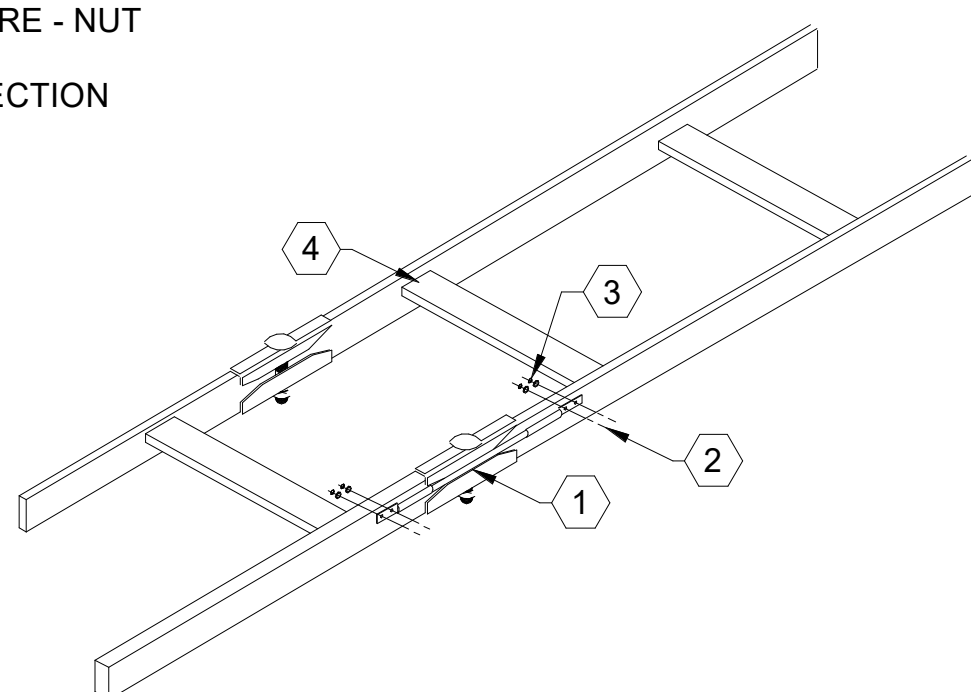
3 CONDUIT SLEEVE DETAIL  
NTS

KEYED NOTES:

- BONDING STRAP
- BONDING HARDWARE - BOLT
- BONDING HARDWARE - NUT
- CABLE RUNWAY SECTION

NOTES:

- RUNWAY ABOVE RACKS SHALL BE ADJUSTABLE RUNWAY.



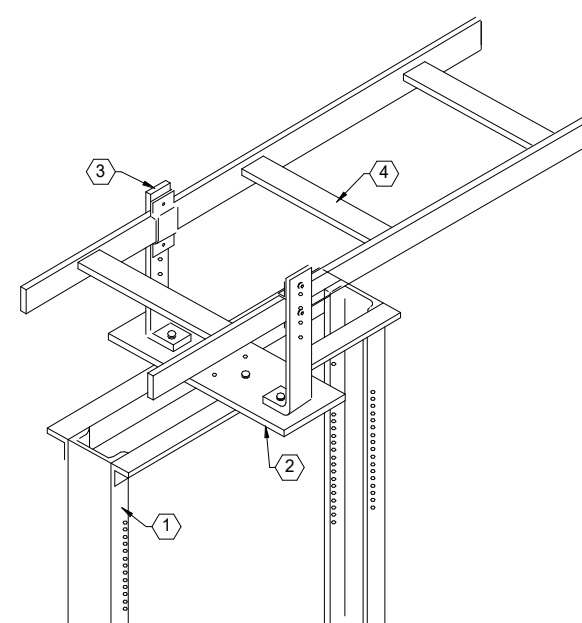
2 CABLE TRAY - BUTT SPLICE W - GROUND STRAP DETAIL  
NTS

KEYED NOTES:

- OPEN FRAME RELAY RACK
- RACK-TO-RUNWAY TOP PLATE
- CABLE RUNWAY ELEVATION BRACKET
- CABLE RUNWAY

NOTES:

- RUNWAY ABOVE RACKS SHALL BE ADJUSTABLE RUNWAY.



1 LADDER RACK - RACK RUNWAY KIT ASSEMBLY DETAIL  
NTS





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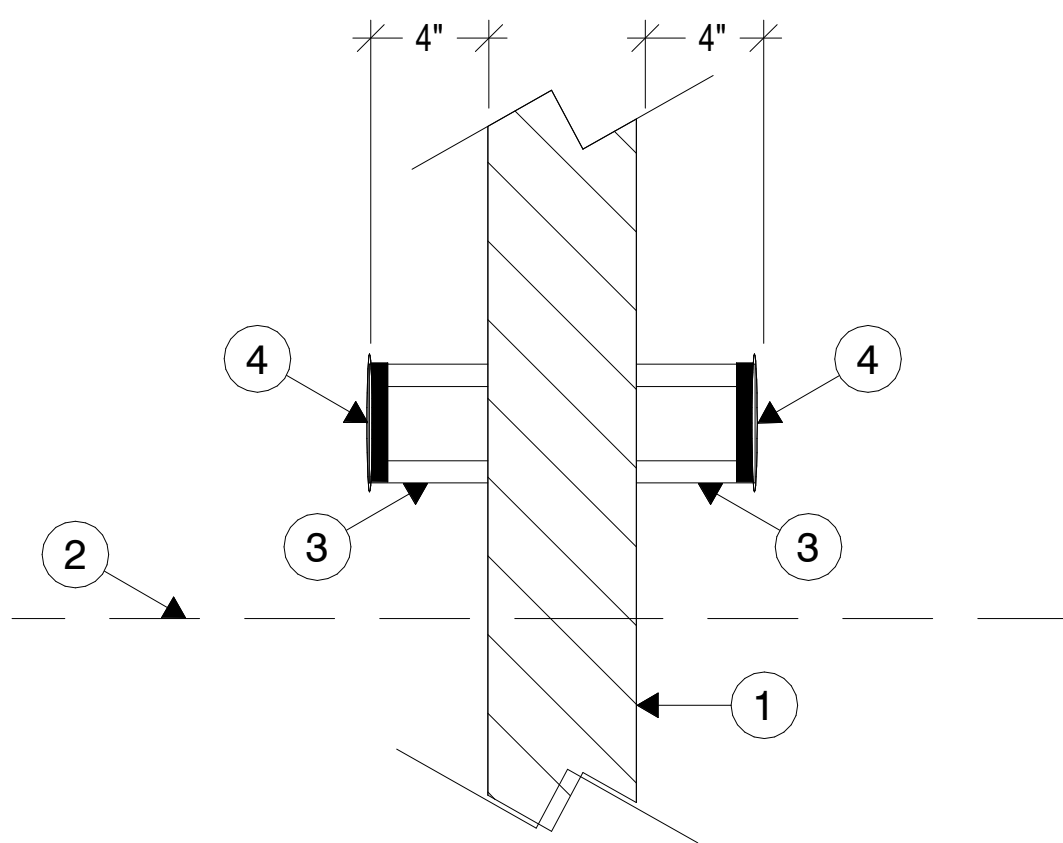
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TECHNOLOGY DETAILS

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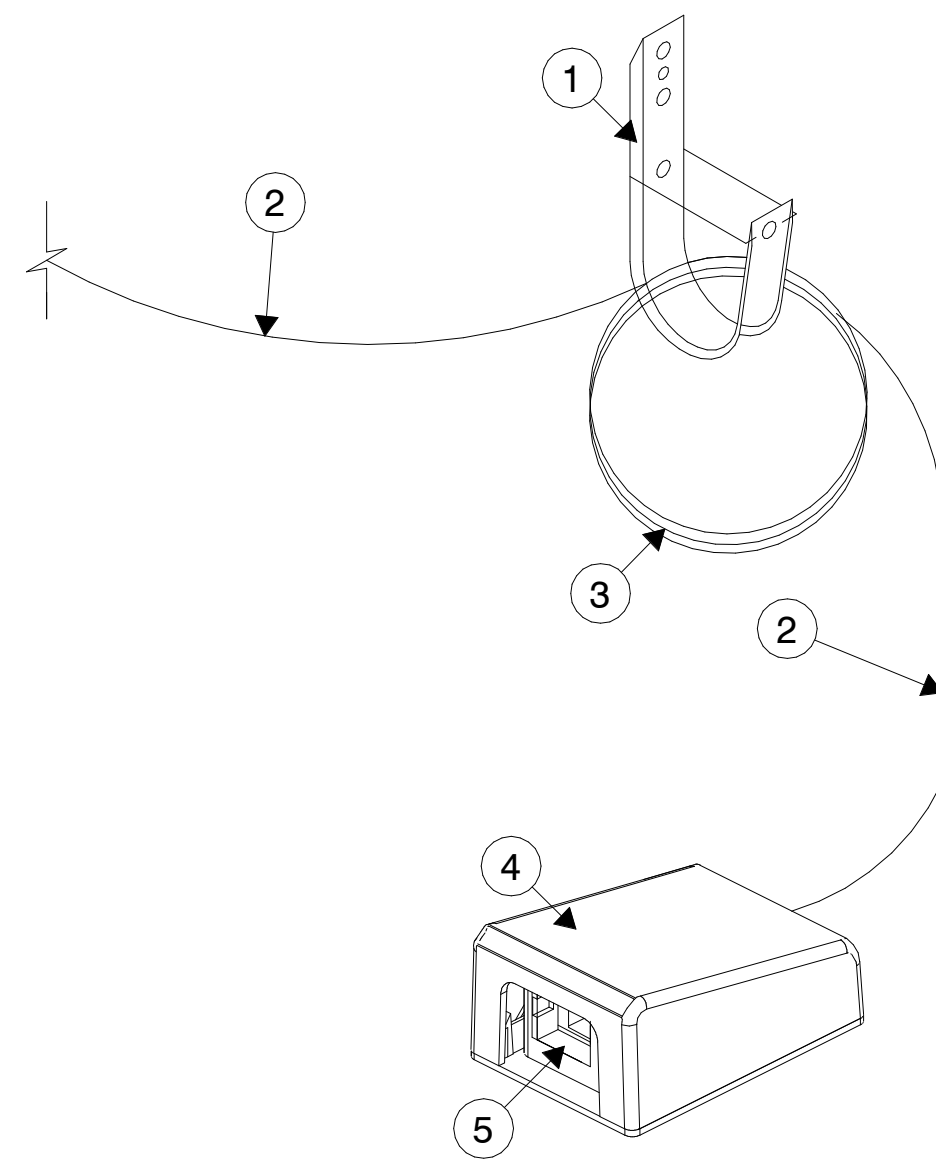
T9.02



4 CONDUIT SLEEVE GOING THROUGH WALL  
NTS

KEYED NOTES:

- 1 SCHEDULED WALL
- 2 SCHEDULED CEILING
- 3 CONDUIT SLEEVE (BY DIV. 26).
- 4 NON-SPLIT BUSHING (BY DIV. 26).



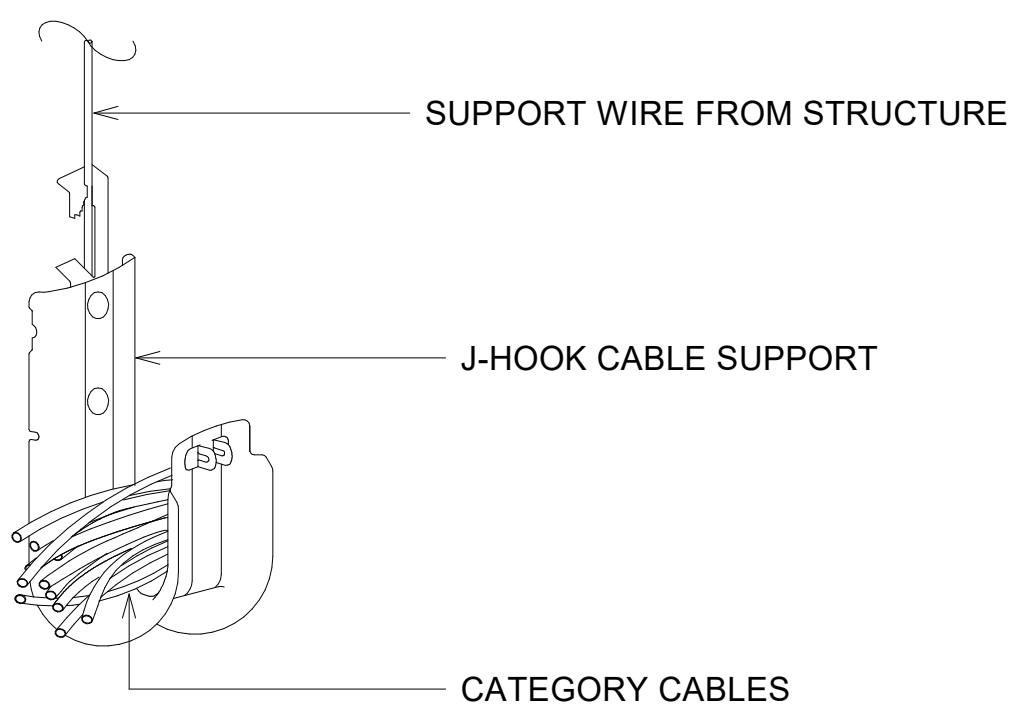
3 ABOVE CEILING SINGLE DATA OUTLET  
NTS

KEYED NOTES:

- 1 J-HOOK WITH RETAINER CLIP ABOVE ACCESSIBLE CEILING (BY DIV. 27).
- 2 DATA CABLE ABOVE ACCESSIBLE CEILING (BY DIV 27).
- 3 20 FOOT SERVICE LOOP ABOVE ACCESSIBLE CEILING NEATLY COILED AND SECURED TO J-HOOK (BY DIV 27).
- 4 SURFACE MOUNT BOX ABOVE ACCESSIBLE CEILING SECURED TO BUILDING STRUCTURE (BY DIV 27).
- 5 DATA INSERT (BY DIV 27).

NOTE:

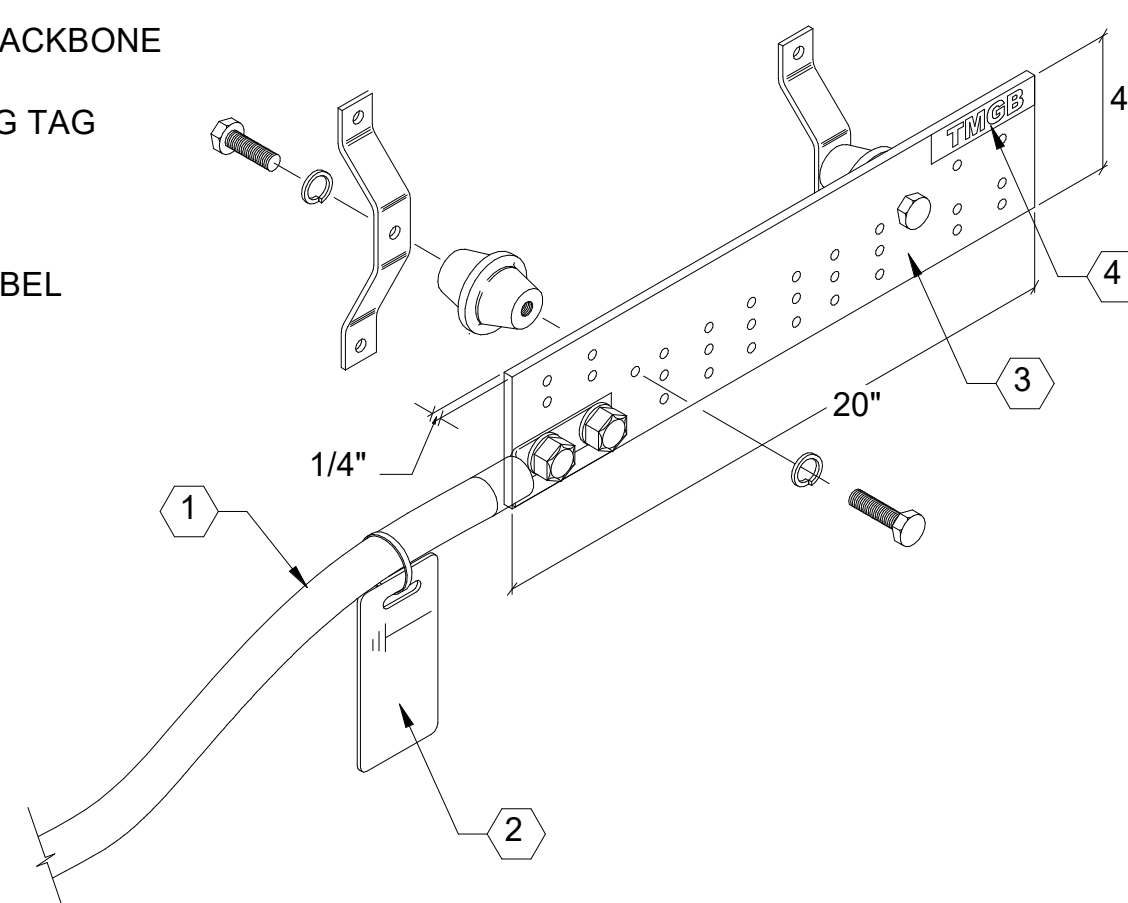
- J-HOOKS MAY BE USED IN ABOVE LAY-IN TILE CEILINGS. SPACE J-HOOK'S EVERY 3FT - 5FT.



2 J-HOOK DETAIL  
NTS

KEYED NOTES:

- 1 BONDING BACKBONE
- 2 GROUNDING TAG
- 3 BUSBAR
- 4 BUSBAR LABEL



1 TELECOM MAIN GROUND BONDING DETAIL  
NTS



## 1.0 GENERAL NOTES

1. THE ENTIRE SET OF CONTRACT DOCUMENTS (DRAWINGS, SPECIFICATIONS/ETC.) SHALL APPLY TO ALL WORK WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS (RPT).
2. SECURITY CONTRACTOR, HEREINAFTER REFERRED TO AS "CONTRACTOR," SHALL PROVIDE ALL MATERIALS, COMPONENTS, TOOLS, AND LABOR TO COMPLETE A VIDEO SURVEILLANCE AND ACCESS CONTROL SYSTEM AS SET FORTH IN THE SECURITY SYSTEM DOCUMENTS, CONTRACTS, AND DRAWINGS.
3. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE TO DETERMINE THE EXTENT OF WORK AND CONDITION UNDER THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS IN RELATION TO FIELD CONDITIONS TO VERIFY ACCURACY, CONFIRMING WITH OWNER, OR THEIR DESIGNATED REPRESENTATIVE, THAT THE REQUIRED WORK HAS BEEN IDENTIFIED PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO THE COMMENCEMENT OF WORK.
4. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE OWNER, OR CONSULTANT, PRIOR TO PROCEEDING WITH THE WORK.
5. ALL WORK BEING PERFORMED IN THE SUPPORT OF THESE DOCUMENTS BY OTHERS SHALL BE EXAMINED AND VALIDATED BY SECURITY CONTRACTOR PRIOR TO WORK BEING COMPLETED. IF ANY OF THIS WORK IS FOUND TO BE INCOMPLETE OR IN ACCORDANCE WITH THESE REQUIREMENTS, THE SECURITY CONTRACTOR SHALL IMMEDIATELY MAKE THE OWNER, OR CONSULTANT, AWARE.

## **2.0 CABLING, PATHWAYS AND COORDINATION NOTES**

1. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUITS, PLUMBING, CORDS, AND JUNCTION BOXES AS REQUIRED BY THE DRAWINGS.
2. ALL CONDUITS AND SPACES SHALL BE COMPLETE UNDER INSTALLATION, WITHIN A 100 FOOT LENGTH, THERE SHOULD NO GREATER THAN 180 DEGREES WORTH OF BENDS, WITH THE MINIMUM ALLOWED TO BE A 90 DEGREE BEND.
3. PRIOR TO SUBSTANTIAL COMPLETION, ALL SECURITY PATHWAY CONDUITS AND UNUSED "SECURITY INTENDED USE CONDUITS" SHALL BE PROPERLY RATED FOR THE PENETRATION LOCATION. REFER TO SPECIFICATIONS FOR DETAILS.
4. BACK BOXES INSTALLED FOR SECURITY DEVICES AND CABLE TERMINATIONS SHALL BE 1 1/4" X 4 1/4" X 3" DEEP. PROVIDE LOW FLOW FIRE RESISTANT GEL OR PUTTY TO THE BACK OF THE CABLEING, CONDUITS SHALL HAVE CONNECTORS, PROTECTIVE BUSHINGS, PLUMB STRINGS, AND SHALL BE GROUNDED.
5. FURNISH AND INSTALL CABLE MANAGEMENT DEVICES (VELCRO WRAPS, ETC.), CEILING MOUNTING HARDWARE, AND CABLE SUPPORTS AS REQUIRED TO PROTECT AND SUPPORT THE CABLEING.
6. CONDUITS TO SECURITY JUNCTION BOXES SHALL BE MINIMUM OF ONE (1") IN DIAMETER AND SHALL BE COMPLETE WITH NYLON PLUMB STRING UNLESS OTHERWISE NOTED.
7. ALL REFLECTED CEILING PLANS INDICATE THE TYPE OF FINISHED CEILING WITHIN THE SPACE FOR DIRECTION ON HOW TO MOUNT INFRASTRUCTURE AND EQUIPMENT. ALL SPECIFIC TYPES AND HEIGHTS SHALL BE COORDINATED WITH THE ARCHITECTURAL TEAM.

### **3.0 GROUNDING AND BONDING**

1. CONTRACTOR SHALL ADHERE TO ALL GROUNDING AND BONDING REQUIREMENTS SET FORTH IN THE ANSI-J-STD-607-8 COMMERCIAL GROUNDING AND BONDING STANDARDS.

## **4.0 ELECTRICAL**

1. FOR SPECIFIC POWER AND RECEPTACLE REQUIREMENTS IN THE PROJECT, REFERENCE ELECTRICAL SPECIFICATIONS AND DRAWINGS AND VERIFY WITH COMMUNICATIONS SPECIFICATIONS AND DRAWINGS. REPORT DISCREPANCIES TO GC PRIOR TO PURCHASE OR INSTALLATION.
2. ELECTRICAL CONTRACTOR SHALL READ, IN THEIR ENTIRETY, ALL OF THE SECURITY CONTRACT DOCUMENTS AND APPLY THEM AS APPROPRIATE FOR WORK IN THIS SECTION. REFERENCE DIVISION 28 SPECIFICATIONS AND "TY" DRAWINGS.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS, COMPONENTS, TOOLS, AND LABOR TO COMPLETE THE SECURITY CABLING PATHWAY, ELECTRICAL POWER DISTRIBUTION, AND GROUNDING SYSTEM AS SET FORTH IN THE SECURITY CONTRACT DOCUMENTS AND THE ELECTRICAL SPECIFICATIONS AND DRAWINGS.

## **5.0 ACCESS CONTROL**

1. DIVISION 8 CONTRACTOR SHALL PROVIDE AND INSTALL ALL ELECTRIC LOCKS AS SHOWN ON "TY" DRAWINGS AND COMPLY WITH DIVISION 8 SPECIFICATIONS.
2. DIVISION 8 CONTRACTOR SHALL PROVIDE AND INSTALL ALL POWER TRANSFER DEVICES AS SHOWN ON "TY" DRAWINGS AND COMPLY WITH DIVISION 8 SPECIFICATIONS.
3. FIRE ALARM CONTRACTOR SHALL PROVIDE FIRE ALARM SIGNAL INTERFACES AS REQUIRED AND COORDINATE WITH THE SECURITY CONTRACTOR. THE RELEASE OF SECURITY CONTROLLED DOORS PER CURRENT LIFE SAFETY CODES AND ADDITIONAL AHJ REQUIREMENTS.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL DOOR PEEL TO INCLUDE CONDUIT, PULL STRINGS, AND JUNCTION BOXES AS SHOWN ON THE "TY" DRAWINGS.
5. ELECTRICAL CONTRACTOR SHALL REFER TO "TY" DRAWINGS TO VERIFY LOCATIONS OF SECURITY GANGL BOXES AND CONDUIT AND PROVIDE THOSE COMPONENTS PRIOR TO THE SECURITY INSTALLATION.
6. SECURITY CONTRACTOR TO LEAVE 2" SERVICE LOOPS OF COMPOSITE CABLEING WITHIN THE SECURITY JUNCTION BOX AND ABOVE THE DESIGNATED SECURITY PANEL.
7. ALL DOORS ARE SET TO FAIL SECURE WITH PUSH-BAR OR HANDLE ACTIVATED REQUEST TO EXIT AND EGRESS AND KEY LOCK INGRESS.
8. SECURITY CONTRACTOR TO SIZE DOOR CONTROLLERS, ENCLOSURES, BOARDS, AND POWER SUPPLIES TO PREPARE FOR FUTURE ACCESS CONTROL DOORS. PROVIDE A MINIMUM OF 10% GROWTH IN ALL PATHWAYS.

<b><u>6.0 SECURITY RESPONSIBILITY MATRIX</u></b>		
<b>SECURITY RESPONSIBILITY MATRIX</b>	<b>SPEC SECTION</b>	<b>PROVIDED BY</b>
<b>BUILDING NETWORK CABLING</b>	<b>27 10 00</b>	<b>CFCI</b>
<b>ACCESS CONTROL SYSTEM</b>	<b>28 10 00</b>	<b>CFCI</b>
<b>INTRUSION DETECTION SYSTEM</b>	<b>28 16 00</b>	<b>CFCI</b>
<b>VIDEO SURVEILLANCE SYSTEM</b>	<b>28 20 00</b>	<b>CFCI</b>
<b>VIDEO INTERCOM</b>	<b>28 10 00</b>	<b>CFCI</b>
<b>PATHWAYS</b>	<b>28 05 33</b>	<b>CFCI</b>
<b>ETHERNET SURGE SUPPRESSION</b>	<b>27 10 00</b>	<b>CFCI</b>
<b>DOOR POSITION SWITCHES</b>	<b>28 10 00</b>	<b>CFCI</b>
<b>EXTERNAL REX</b>	<b>28 10 00</b>	<b>CFCI</b>
<b>INTEGRAL REX</b>	<b>DIVISION 8</b>	<b>CFCI</b>

## SECURITY SYMBOL LEGEND

[illegible]

## 7.0 VIDEO SURVEILLANCE

1. CONTRACTOR SHALL PROVIDE AND INSTALL MOUNTS AND HARDWARE AS SHOWN ON "T" DRAWINGS AND AS SPECIFIED.
2. CONTRACTOR SHALL PROVIDE AND INSTALL CAMERAS AT THE HEIGHT ABOVE GRADE OR ABOVE FINISHED FLOOR AS INDICATED ON THE "T" DRAWINGS.
3. COORDINATE LOCATION OF CAMERAS WITH ALL CEILING MOUNTED ARCHITECTURAL AND MECHANICAL AND ELECTRICAL EQUIPMENT. IF ANY FIELD CONDITIONS CAUSE AN INABILITY TO INSTALL, CONTRACTOR TO PROVIDE AN RFI.
4. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS AS DETAILED IN THE "T" DRAWINGS.
5. CONTRACTOR SHALL PROVIDE AND INSTALL ALL MISCELLANEOUS EQUIPMENT AND ACCESSORIES REQUIRED FOR A FULL TURN KEY INSTALLATION.
6. COORDINATE WITH TELECOMMUNICATIONS CONTRACTOR FOR INSTALLATION OF ALL DATA OUTLETS SUPPORTING CAMERAS.
7. THE CAMERA INSTALLER SHALL VERIFY THERE ARE NO PHYSICAL OBSTRUCTIONS TO THE INTENDED CAMERA VIEW PRIOR TO INSTALLATION. SHOULD ANY OBSTRUCTION BE PRESENT, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CONSULTANT AND OWNER AND ADJUST THE INSTALLATION AS REQUIRED.

## 8.0 INTRUSION DETECTION

1. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL DOOR PREP TO INCLUDE CONDUIT, PULL STRINGS AND JUNCTION BOXES AS SHOWN ON THE "TY" DRAWINGS.
2. ELECTRICAL CONTRACTOR SHALL REFER TO "TY" DRAWINGS TO VERIFY LOCATIONS OF SECURITY GANG BOXES AND CONDUIT AND PROVIDE THOSE COMPONENTS PRIOR TO THE SECURITY INSTALLATION.
3. SECURITY CONTRACTOR TO LEAVE 36" SERVICE LOOPS OF CABLEING AT BOTH THE DEVICE AND HEAD-END LOCATIONS.
4. SECURITY CONTRACTOR TO SIZE CONTROL PANELS, ENCLOSURES, BOARDS AND POWER SUPPLIES TO PREPARE FOR FUTURE INTRUSION DEVICES. PROVIDE A MINIMUM OF 10% GROWTH IN ALL PATHWAYS AND POWER.

## 9.0 SECURITY SHEET INDEX

TY0.00	SECURITY INDEX
TY2.11	SECURITY OVERALL PLAN - LEVEL 1
TY2.11A	SECURITY UNIT PLAN - LEVEL 1 - UNIT A
TY6.11A	SECURITY UNIT RCP - LEVEL 1 - UNIT A
TY9.01	SECURITY DETAILS
TY9.02	SECURITY DETAILS



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## Atlas Consulting



ISSUED: May 30, 2025

## REVISIONS

Revision No.	Revision Date
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Director                      Drawn By  
LVB                              WPS  
Designer                      Quality Control  
EM                              EM  
Proj. Arch.  
LH

Drawn By  
WPS  
Quality Control  
EM

PROJECT NO.

24-103.00

SHEET TITLE

## SECURITY INDEX

SHEET NO.

TY0.00

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KEYNOTE LEGEND	
1	ALL CABLING SHALL BE ROUTED TO IDF A116.



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LVB	WPS
Designer	Quality Control
EM	EM
Proj. Arch.	
LH	

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24-103.00

SHEET TITLE

SECURITY OVERALL PLAN -  
LEVEL 1

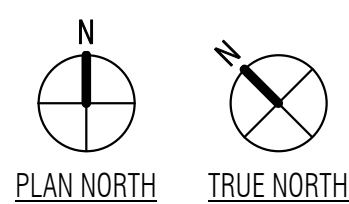
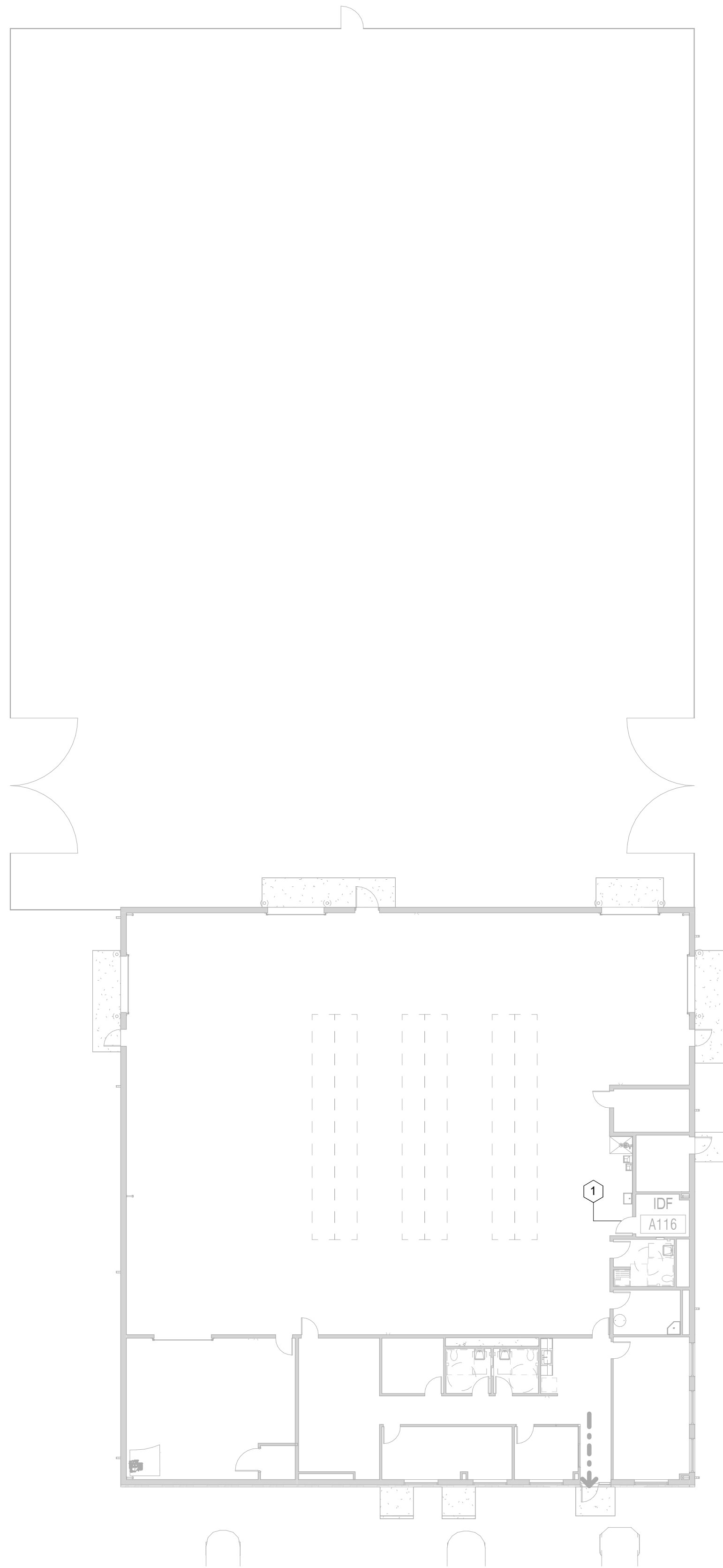
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TY2.11

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WHITE SETTLEMENT (SD  
WHITE SETTLEMENT, TX

NEW MAINTENANCE & OPERATIONS WAREHOUSE



1 SECURITY OVERALL FLOOR PLAN - LEVEL 1  
SCALE: 1/16" = 1'-0"





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Proj. Arch. LH  
Drawn By WPS  
Quality Control EM

PROJECT NO.

24-103.00

SHEET TITLE

SECURITY UNIT PLAN -  
LEVEL 1 - UNIT A

SHEET NO.

TY2.11A

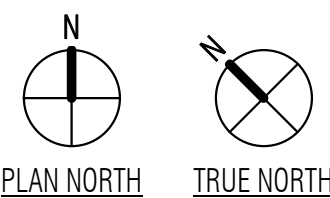
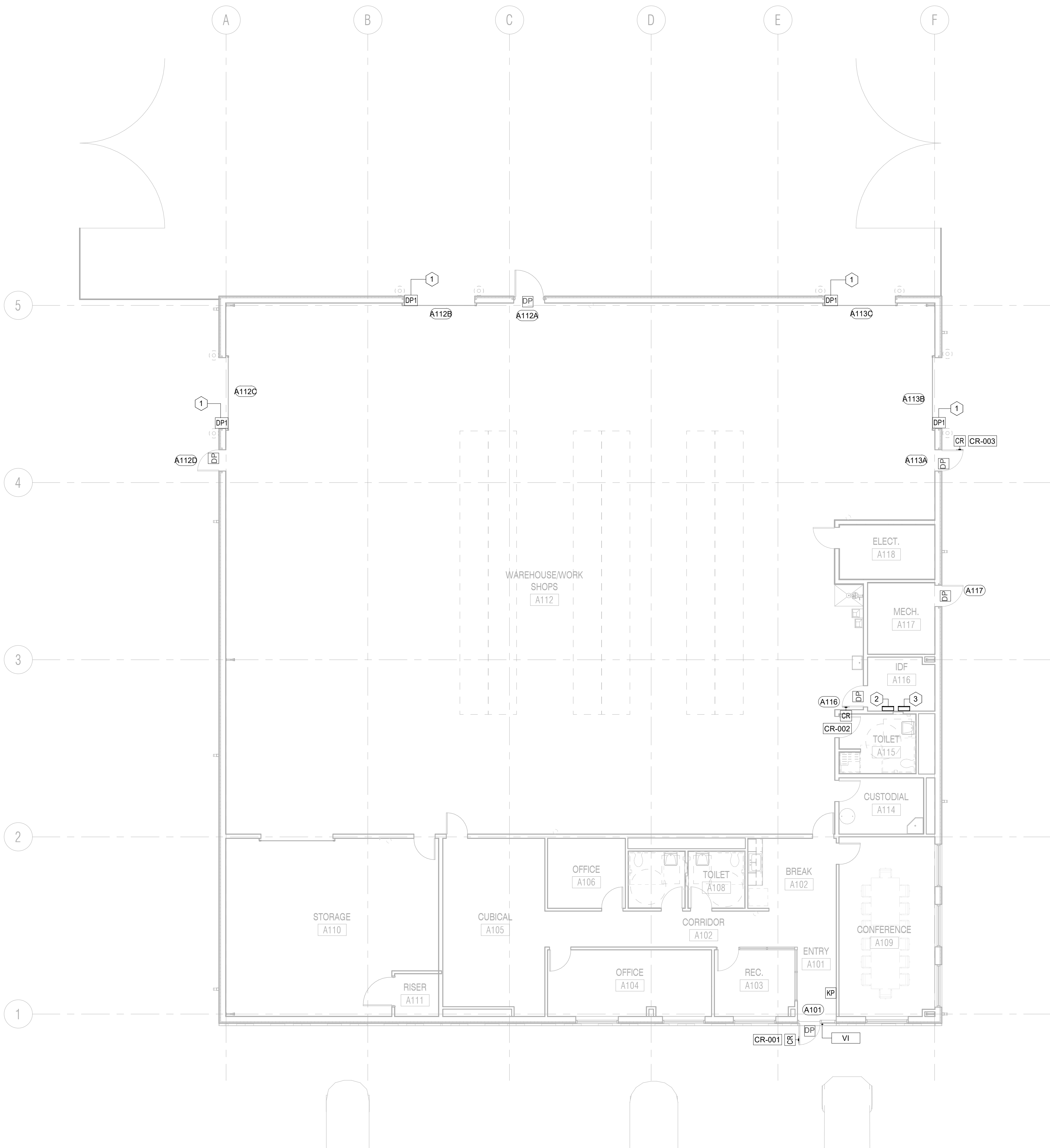
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KEYNOTE LEGEND

1	MINIMUM SIZED CONDUIT PATHWAY FOR DOOR POSITION SWITCH SERVING OVERHEAD DOOR. ROUTE TO NEAREST ACCESSIBLE CEILING OR DIRECTLY INTO NEAREST ACCESS CONTROL/INTRUSION DETECTION PANEL.
2	ACCESS CONTROL PANEL
3	INTRUSION DETECTION PANEL

ACCESS CONTROL SCHEDULE

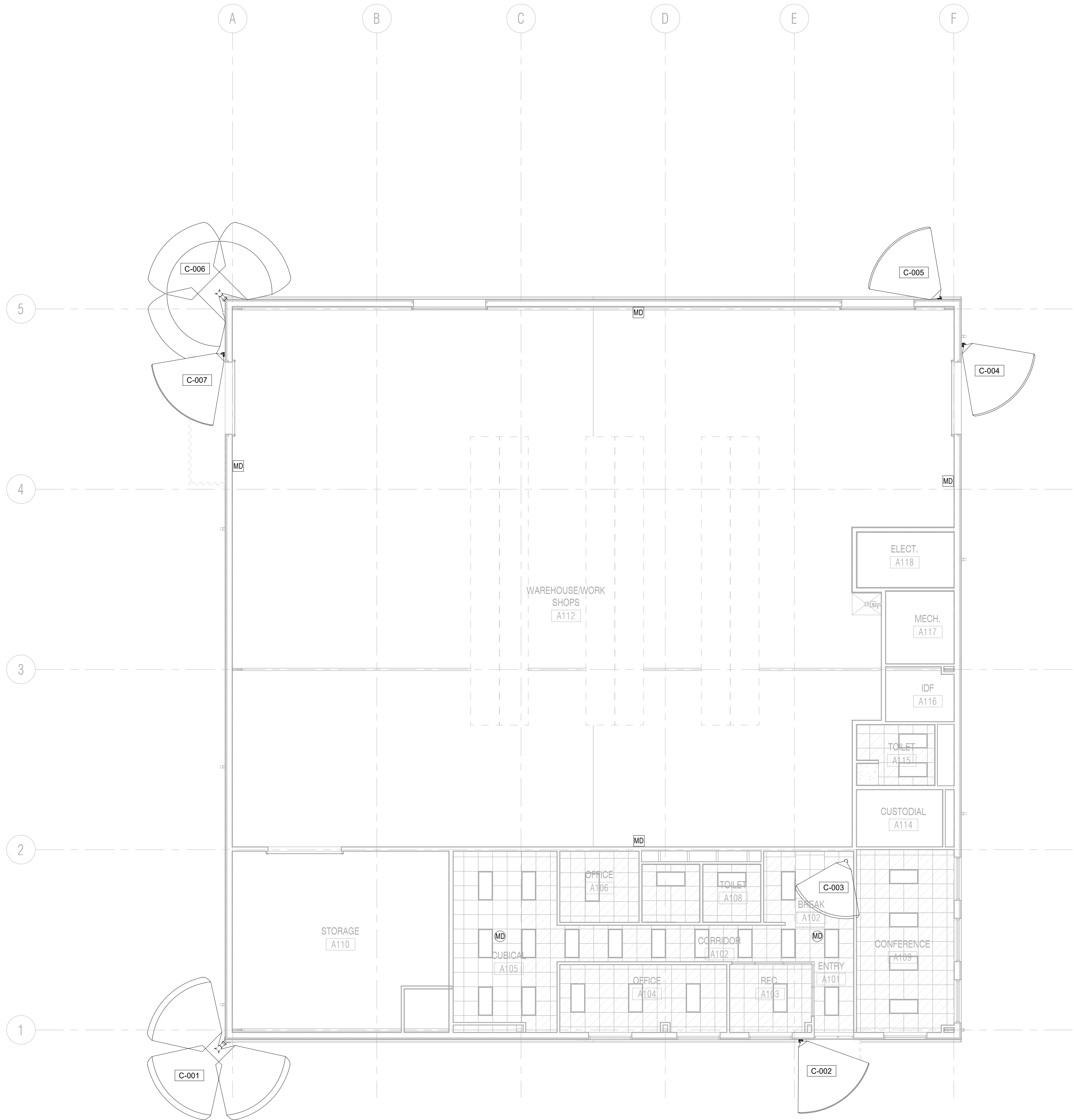
ACCESS CONTROL NUMBER	DOOR NUMBER	ACCESS CONTROL DETAIL
CR-001	A101	TY9.01/1
CR-002	A117	TY9.01/1
CR-003	A111F	TY9.01/1



1 SECURITY FLOOR PLAN - LEVEL 1 - UNIT A  
SCALE: 1/8" = 1'-0"

NEW MAINTENANCE & OPERATIONS WAREHOUSE





1 **SECURITY RCP - LEVEL 1 - UNIT A**  
SCALE: 1/8" = 1'-0"

VIDEO SURVEILLANCE SCHEDULE				
CAMERA NUMBER	CAMERA TYPE	MOUNT TYPE	MOUNTING HEIGHT	CAMERA DETAIL
C-001	MULTI-SENSOR	CORNER	12-FT AFG	TY9.02/2
C-002	SINGLE LENS	WALL	9-FT AFG	TY9.02/1
C-003	SINGLE LENS	CEILING	CEILING	N/A
C-004	SINGLE LENS	WALL	9-FT AFG	TY9.02/1
C-005	SINGLE LENS	WALL	9-FT AFG	TY9.02/1
C-006	MULTI-SENSOR	CORNER	15-FT AFG	TY9.02/2
C-007	SINGLE LENS	WALL	9-FT AFG	TY9.02/1

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Bicsi  
William P. Scabara  
BICS1 ID #264078  
Expires 12/31/24  
RC00

ISSUED: May 30, 2025

REVISIONS

Revision No.	Revision Date
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Director	Drawn By
LVB	WPS
Designer	Quality Control
EM	EM
Proj. Arch.	
LH	

PROJECT NO.

24-103.00

SHEET TITLE

SECURITY UNIT RCP -  
LEVEL 1 - UNIT A

SHEET NO.

TY6.11A



WHITE SETTLEMENT (SD  
WHITE SETTLEMENT, TX

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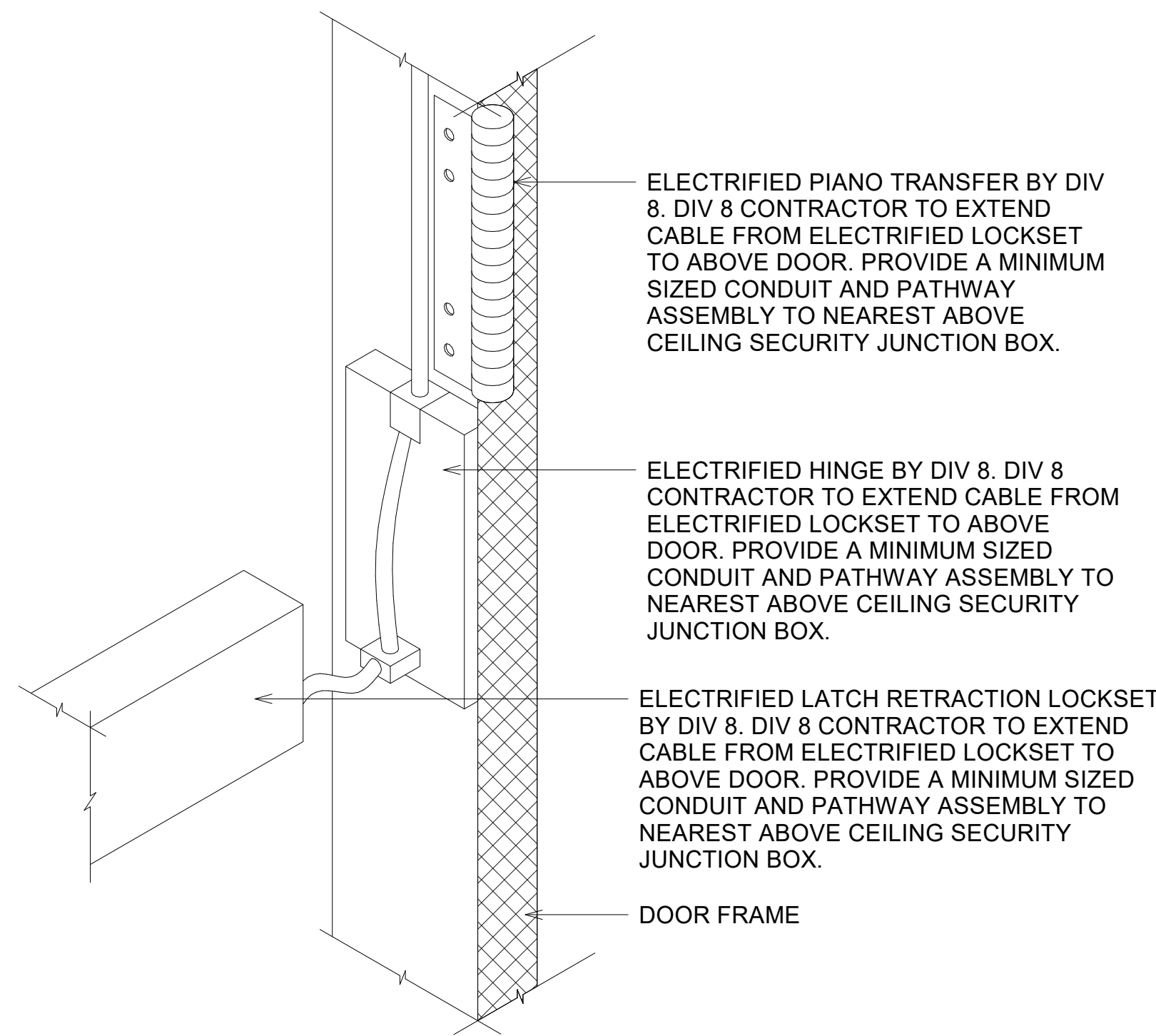
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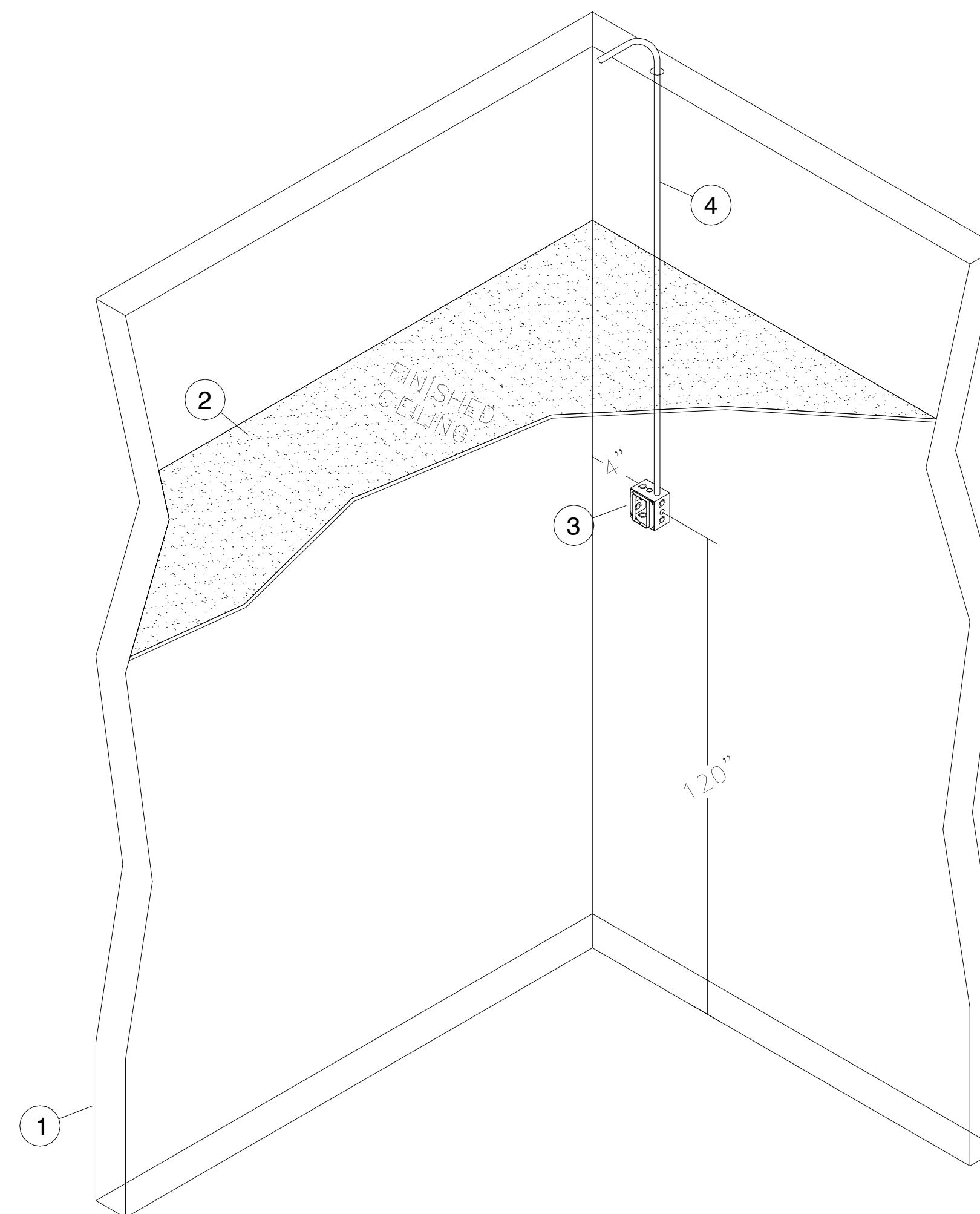
SECURITY DETAILS

SHEET NO.

TY9.01



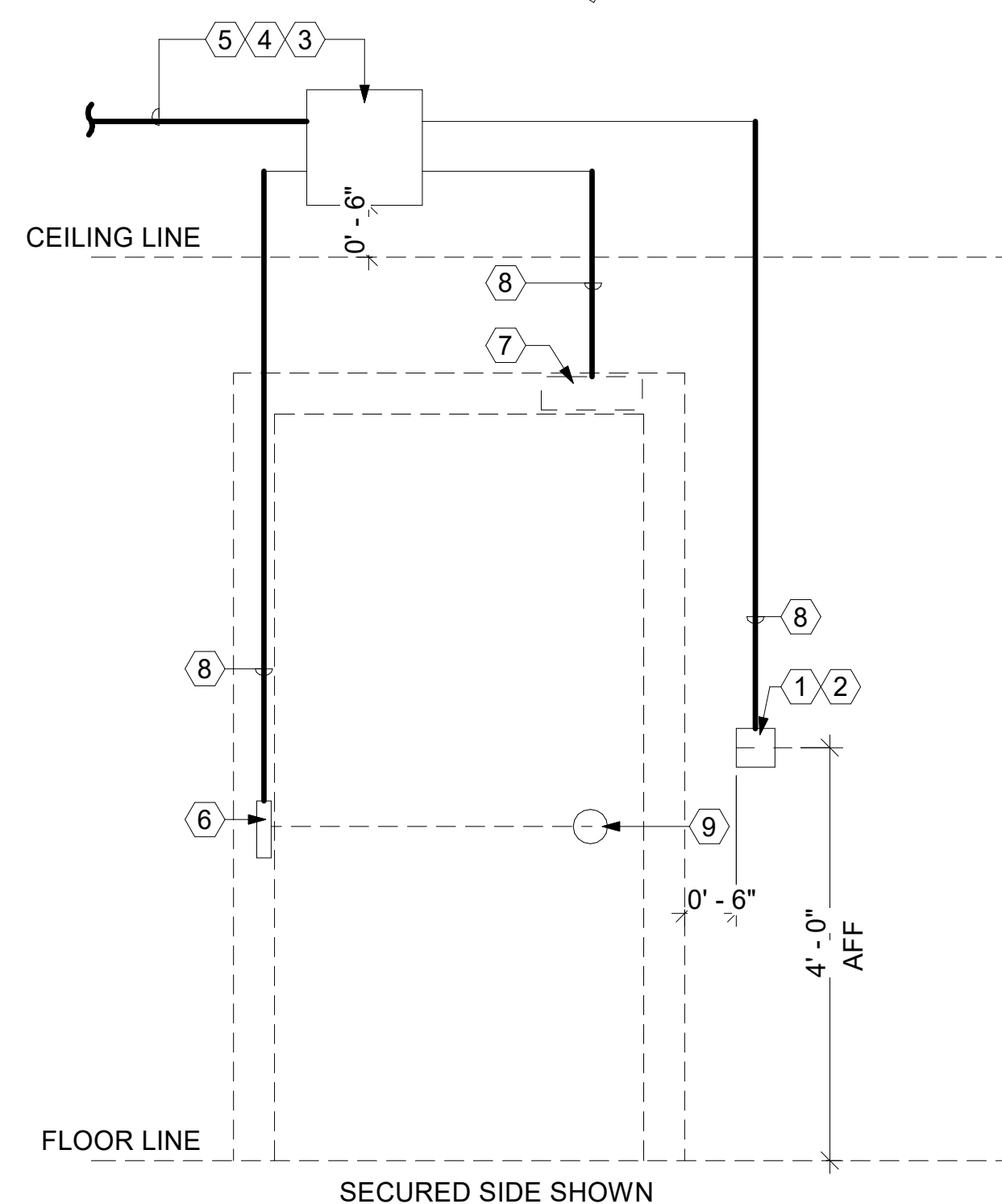
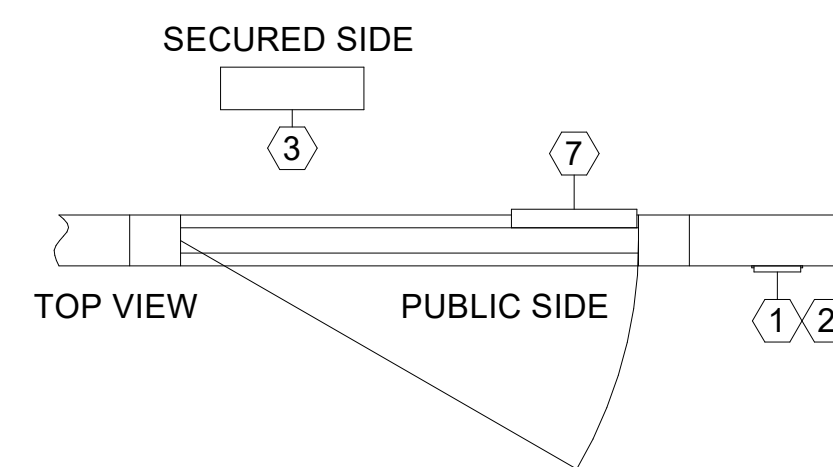
4 WIRE TRANSFER HINGE DETAIL  
NTS



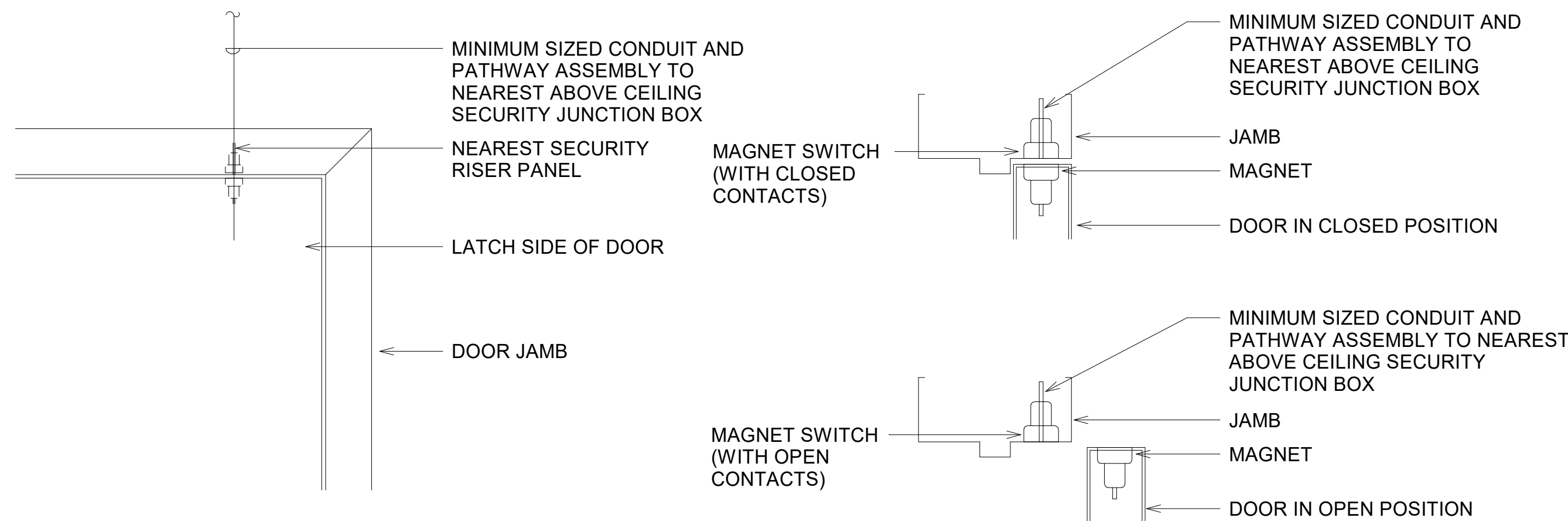
3 INTERIOR WALL MOUNTED MOTION DETECTOR  
NTS

KEYED NOTES:

- 1 SCHEDULED WALL
- 2 SCHEDULED CEILING
- 3 4 11/16" x 4 11/16" x 3" RECESSED DOUBLE GANG BOX WITH SINGLE GANG REDUCING RING (BY DIV. 26).
- 4 MINIMUM SIZED CONDUIT TO THE NEAREST ACCESSIBLE CEILING. (BY DIV 26).



1 ACCESS CONTROL ROUGH-IN DETAIL - WALL MOUNTED CARD READER W/ SINGLE DOOR, NO LATCH RETRACTION  
NTS



2 DOOR POSITION SWITCH - INSTALLATION  
NTS

EQUIPMENT LIST	
1	WALL MOUNTED CARD READER TO BE MOUNTED ON UNSECURED SIDE OF THE DOOR.
2	MINIMUM SIZED SECURITY JUNCTION BOX, MOUNTED AT 48" AFF, ON-CENTER.
3	ABOVE DOOR SECURITY JUNCTION BOX MOUNTED ON SECURED SIDE OF DOOR.
4	BOTTOM OF J-BOX TO BE AT +6" ABOVE CEILING LINE, OR WHERE NO CEILING EXISTS MOUNT AT +9'-6" AFF.
5	COMPOSITE CABLE BACK TO NEAREST ACCESS CONTROL PANEL
6	MORTAR BOX IN DOOR FRAME FOR ELECTRIC HINGE. VERIFY LOCATION OF ALL MORTAR BOXES WITH DOOR FRAME SUPPLIER.
7	MORTAR BOX IN DOOR FRAME FOR DOOR POSITION SWITCH. VERIFY LOCATION OF ALL MORTAR BOXES WITH DOOR FRAME SUPPLIER.
8	MINIMUM SIZED CONDUIT AND PATHWAY ASSEMBLY TO NEAREST ABOVE CEILING SECURITY JUNCTION BOX.
9	ELECTRIFIED LOCKSET. REFER TO DIVISION 8 SPECS.



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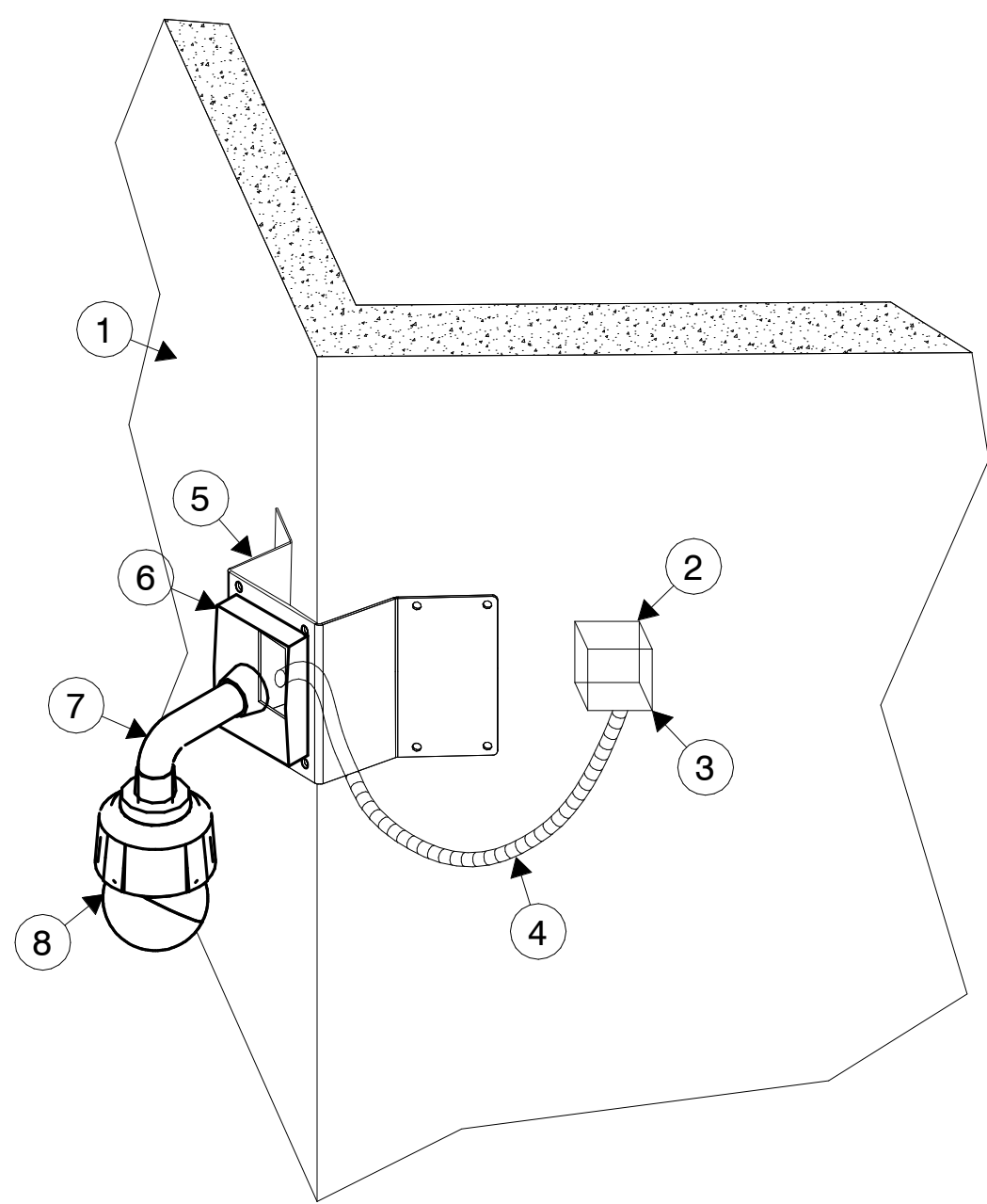
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SHEET TITLE

SECURITY DETAILS

SHEET NO.

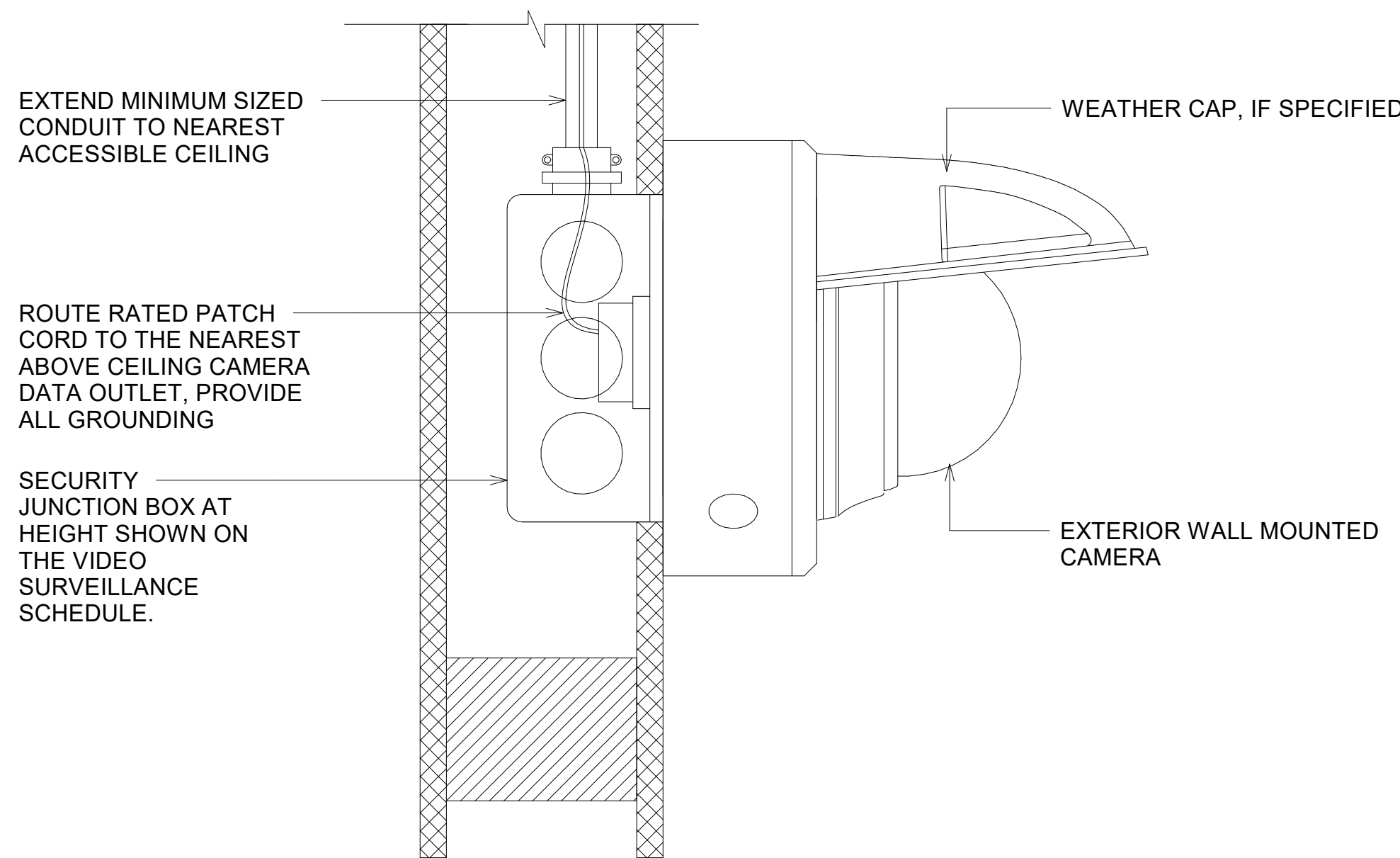
TY9.02



2 EXTERIOR CORNER MOUNTED SURVEILLANCE CAMERA  
1 1/2" = 1'-0"

KEYED NOTES:

- 1 SCHEDULED EXTERIOR WALL
- 2 4 11/16" X 4 11/16" X 3" DOUBLE GANG WATERPROOF BACKBOX INSTALLED FLUSH WITH THE BUILDING CONTRACTOR SHALL INSTALL BACKBOX NO FURTHER THAN 18-INCHES FROM THE CORNER OF THE BUILDING (BY DIV. 26).
- 3 ADJUSTABLE LIQUID-TIGHT BACKBOX WATER PROOF COVER PLATE (BY DIV. 26).
- 4 3/4-INCH SEAL TIGHT FROM BACKBOX COVER PLATE TO WALL MOUNTED CORNER BRACKET (BY DIV. 26). ROUTE RATED PATCH CORD TO THE NEAREST ABOVE CEILING CAMERA DATA OUTLET, PROVIDE ALL GROUNDING.
- 5 CORNER MOUNT BRACKET
- 6 WALL MOUNT BRACKET
- 7 PENDANT KIT
- 8 EXTERIOR CAMERA



1 WALL MOUNTED CAMERA - EXTERIOR  
NTS