

National Bank & Trust - Bastrop

809 SAM HOUSTON DR
BASTROP TX 78602



ARCHITECTURE | DESIGN | CONSTRUCTION

15810 PARK TEN PLACE, SUITE 300
HOUSTON, TEXAS 77084
713-465-4650
www.sligroup.com

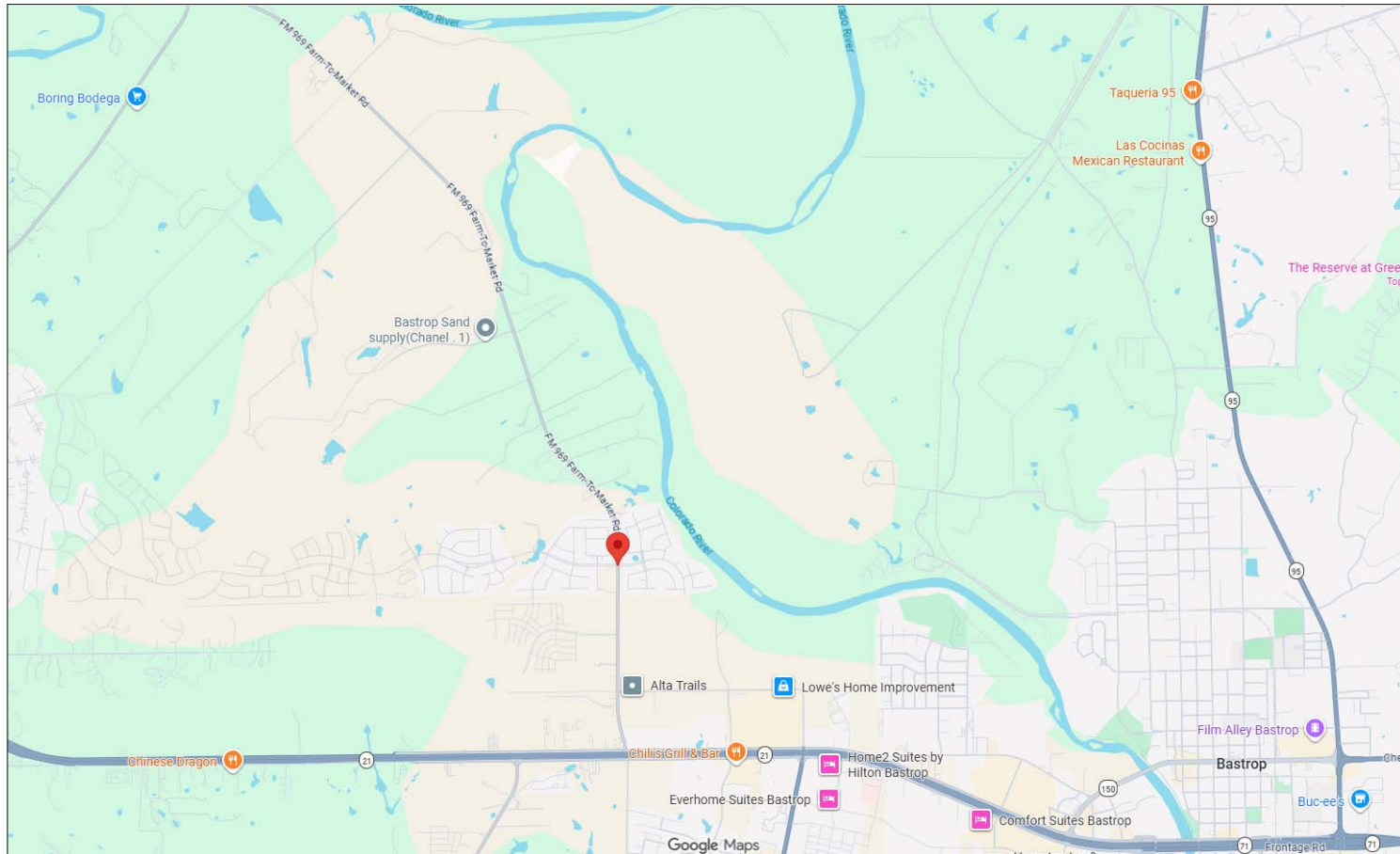
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SEPTEMBER 11,2026: ISSUED FOR BID AND PERMIT

RENDERING



VICINITY MAP



GENERAL

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- T-1.10 GENERAL NOTES
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- T-1.30 FIRE APPARATUS SITE ACCESS PLAN
- T-1.40 LIFE SAFETY PLAN

CIVIL

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ABBREVIATIONS

ABBR	DEFINITION	ABBR	DEFINITION
AC	AIR CONDITIONER	INCL	INCLUDING
ACT	ACOUSTICAL CEILING TILE	INS	INSULATION
ADD	ADDITIONAL	INT	INTERIOR
ADJ	ADJACENT	JAN	JANITOR
AFF	ABOVE FINISH FLOOR	JC	JANITOR'S CLOSET
AFC	AT FINISH CEILING	JT	JOINT
ALUM	ALUMINUM	LP	LOW POINT
ARCH	ARCHITECTURAL	LAM	LAMINATED
BD	BOARD	LAV	LAVATORY
BFF	BELOW FINISH FLOOR	LGT	LIGHTING
BLDG	BUILDING	MAX	MAXIMUM
BLKG	BLOCKING	MBM	METAL BUILDING MANUFACTURER
BM	BEAM	MECH	MECHANICAL
BO	BOTTOM OF	MEMB	MEMBRANE
BRG	BEARING	MFR	MANUFACTURER
CSB	CHALKBOARD	MIN	MINIMUM
CI	CAST IRON	MISC	MISCELLANEOUS
CIP	CAST-IN-PLACE	MO	MASONRY OPENING
CJ	CONTROL JOINT	MTL	METAL
CL	CENTERLINE	NIC	NOT IN CONTRACT
CLR	CLEAR	NO	NUMBER
CLR	CLEAR	NTS	NOT TO SCALE
CLO	CLOSET	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	OHD	OVERHEAD DOOR
CONT	COLUMN	OPNG	OPENING
CONC	CONCRETE	OPP	OPPOSITE
CONT	CONTRIBUTUS	OPP HD	OPPOSITE HAND
CPT	CERAMIC TILE	PART	PARTITION
CT	DETAIL	PC	PRECAST
DET	DETAIL	PEMB	PRE-ENGINEERED METAL BUILDING
DF	DRINKING FOUNTAIN	PLAM	PLASTIC LAMINATE
DN	DOWN	PT	PRESSURE TREATED
DN	DOWN	PTD	PAINTED
DR	DOOR	PVC	POLYVINYL CHLORIDE
DWG	DRAWING	QT	QUARRY TILE
EA	EACH	QTY	QUANTITY
EJ	EXPANSION JOINT	R	RADIUS or RISER
ELEC	ELECTRICAL	RA	RETURN AIR
ELEV	ELEVATION or ELEVATOR	RD	ROOF DRAIN
EXT	EXTERIOR	REF	REFERENCE
EQ	EQUAL	REF	REINFORCING or REINFORCED
EQUIP	EQUIPMENT	REQ	REQUIRED
EXIST	EXISTING	REV	REVISION
FD	FLOOR DRAIN	RTU	ROUGH OPENING
FD	FOUNDATION	RTU	ROUGH OPENING
FE	FIRE EXTINGUISHER	SECT	SECTION
FEC	FIRE EXTINGUISHER CABINET	SIM	SIMILAR
FF	FINISH FLOOR	SPEC	SPECIFICATION
FFE	FINISH FLOOR ELEVATION	SQ	SQUARE
FFT	FINISH FLOOR TRANSITION	SSTL	STAINLESS STEEL
FIN	FINISH	STD	STANDARD
FIXT	FIXTURE	STL	STEEL
FR	FIRE-RATED	STRUC	STRUCTURAL
FRP	FIBERGLASS REINFORCED PLASTIC	SUSP	SUSPENDED
FT	FOOT	TREAD	TREAD
FV	FIELD VERIFY	TBD	TO BE DETERMINED or TACKBOARD
GA	GALVANIZED	TDC	TRENCH DRAIN
GALV	GALVANIZED	TO	TO
GC	GENERAL CONTRACTOR	TOP	TOP OF
GL	GLASS	TOP OF CONCRETE	TOP OF CONCRETE
GYP BD	GYP SUM BOARD	TOS	TOP OF STEEL
HC	HANDICAP ACCESSIBLE	TOW	TOP OF WALL
HDR	HARDWARE	THK	THICK
HGT	HEIGHT	TYP	TYPICAL
HM	HOLLOW METAL	UNO	UNLESS NOTED OTHERWISE
HORIZ	HORIZONTAL	VERT	VINYL COMPOSITION TILE
HP	HIGH POINT	WD	WOOD
HVAC	HEATING, VENTILATION, AND AIR	WIDW	WIDE FLANGE
IN	CONDITIONING	WIF	WATERPROOFING
INCH	INCH	WPR	WATERPROOFING

DRAWING SYMBOLS LEGEND

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	NORTH ARROW		PARTITION TYPE		COLUMN GRID
	DRAWING NAME, NUMBER, AND SCALE		WINDOW TYPE		CENTERLINE
	ENLARGED DETAIL REFERENCE		DOOR IDENTIFICATION		BREAK LINE
	EXTERIOR ELEVATION		ROOM NAME		SPOT ELEVATION
	BUILDING SECTION		ROOM NUMBER		
	WALL SECTION		INTERIOR ELEVATION		
	SECTION DETAIL		DIMENSION LINES		
	VERTICAL ELEVATION		MATCH LINE		
			REVISION NUMBER & AFFECTED AREA		
			FIRE EXTINGUISHER		

TYPICAL MOUNTING HEIGHTS:

CONVENIENCE OUTLETS	15" (FLOOR TO BOTTOM OF BOX UNLESS OTHERWISE NOTED ON PLAN)
LIGHT SWITCHES	45" (FLOOR TO BOTTOM OF BOX)
FIRE ALARM PULL STATIONS	45" (FLOOR TO BOTTOM OF PULL)
TELEPHONE OUTLETS	15" (FLOOR TO BOTTOM OF BOX OR AS NOTED ON PLAN)
WALL TELEPHONE OUTLETS	45" (FLOOR TO BOTTOM OF BOX)
DATA CABLE OUTLETS	15" (FLOOR TO BOTTOM OF BOX)
SMOKE AND HEAT DETECTORS	CEILING MOUNTED

GENERAL NOTES:

1. NOTIFY ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS.
2. ALL WORK SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES.
3. ALL DIMENSIONS ARE TO FINISHED FACE OF PARTITIONS.
4. ALL DOORS ON AN ACCESSIBLE ROUTE SHALL HAVE A MIN. 18" CLEAR ON THE PULL SIDE, A MIN. 12" CLEAR ON THE PUSH SIDE WHEN DOOR IS EQUIPPED WITH BOTH A LATCH AND CLOSER.
5. ALL DOORS TO RECEIVE NEW AMERICAN DISABILITIES ACT COMPLIANT HARDWARE.

BUILDING CODE AND PROJECT INFORMATION

LEGAL DESCRIPTION

TYPE LEGAL DESCRIPTION

SCOPE OF WORK

DESIGN AND BUILD A 2,947 SQ. FT. BANK WITH A 3-LANE DRIVE-THRU CANOPY AND ONE LANE ATM CANOPY

BUILDING CODE

2018 IBC WITH CITY OF BASTROP AMENDMENTS
2023 NEC WITH CITY OF BASTROP AMENDMENTS
2018 IPC WITH CITY OF BASTROP AMENDMENTS
2018 IFC WITH CITY OF BASTROP AMENDMENTS
2018 IECC WITH CITY OF BASTROP AMENDMENTS
2018 IMC WITH CITY OF BASTROP AMENDMENTS

OCCUPANCY CLASSIFICATION, EGRESS & OCCUPANT LOADS

OCCUPANCY TYPE: B-BUSINESS
CONSTRUCTION TYPE: VB
ALLOWABLE HEIGHT: 40'-0"
ACTUAL HEIGHT: 26'-0"FT

ALLOWABLE BUILDING AREA PER FLOOR: 9,000 S.F

ACTUAL BUILDING AREA: 2,947 S.F

TOTAL: 2,974 S.F

OCCUPANT LOAD: B-BUSINESS
FACTOR: 150 GROSS SQ.FT./OCCUPANTS

TOTAL: 20 OCCUPANTS

EXIST REQUIRED: 1
EXIST PROVIDED: 2

MAXIMUM ALLOWABLE TRAVEL DISTANCE: 100FT.
MAXIMUM ACTUAL TRAVEL DISTANCE: 82FT.
AREAS OF REFUGE REQUIRED: ROOM_N/A

PLUMBING FACILITIES

WATER CLOSETS FOR MEN PER FLOOR: 1
WATER CLOSETS FOR WOMEN PER FLOOR: 1

LAVATORIES FOR MEN PER FLOOR: 1
LAVATORIES FOR WOMEN PER FLOOR: 1

PROJECT TEAM

ARCHITECT/CONTRACTOR

SLI GROUP
15810 PARK TEN PLACE, SUITE 300
HOUSTON, TEXAS 77084
713-465-4650

STRUCTURAL ENGINEER

CJG Engineers - Houston LLC
6051 North Course Drive, Suite 375
Houston, Texas 77072

CIVIL ENGINEER

CARLSON BRIGANCE & DOERING, INC.
5701 W. William Cannon Drive
Austin, TX 78749

MEP ENGINEER

E|B|E, Inc.
12603 Southwest Freeway, Suite 170
Stafford, TX 77477

SURVEYOR

Thompson Engineering
10665 Richmond Avenue
Building Five, Suite 192
Houston, Texas 77042

TDLR FILE NUMBER EAB PROJECT NUMBER:

TABS2027002661

FIRE RESISTANCE (HRS.)

EXTERIOR BEARING WALLS 0
INTERIOR BEARING WALLS 0
STRUCTURAL FRAME 0
CORRIDORS 0
SHAFT ENCLOSURE 0
ROOFS/CEILINGS: 0
EXTERIOR DOORS AND WINDOWS 0
SMOKE BARRIER SEPERATIONS 0

FIRE EXTINGUISHERS CLASS 2A MAX. SEP. 75 FT.

ALARM SYSTEMS REF: N/A
SPRINKLER: NO/PARTIAL/YES
SPRINKLER TYPE: NFPA 13/NFPA13R/NFPD 13D/OTHER
STANDPIPE: NO/PARTIAL/YES
CLASS: I/II/III/WET/DRY

SITE

CURRENT ZONING:
PROPOSED ZONING:

REQUIRED SET BACKS

FRONT:
BACK:
SIDES:

PARKING SPACES REQUIRED: 12
PARKING SPACES PROVIDED: 22
ACCESSIBLE PARKING SPACES REQUIRED: 01
ACCESSIBLE PARKING SPACES PROVIDED: 01

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10/07/26

DRAWING TITLE

TITLE SHEET

DRAWN BY RG SHEET NO.

CHECKED BY BL

APPROVED BY TB

T-1.00

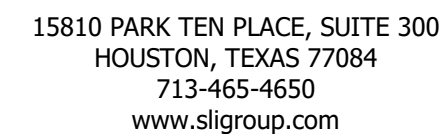
Project Number : 8989

T-1.20

1 OVERALL DEVELOPMENT FIRE APPARATUS SITE ACCESS PLAN
1" = 40'-0"

CURBS LOCATED ON EITHER SIDE OF A FIRE LANE SHALL BE PAINTED RED OR A RED STRIPE SHALL BE PLACED ALONG THE PAVEMENT WHERE THERE IS NO CURB. WHERE A FIRE LANE PASSES BETWEEN HEAD IN PARKING SPACES, THE RED STRIPE SHOULD BE PLACED ALONG THE REAR OF THESE SPACES CLEARLY DEFINING THE FIRE LANE. PAINTED CURBS AND FIRE LANE STRIPES SHALL ALSO BE CONSPICUOUSLY AND LEGIBLY MARKED WITH THE WARNING "FIRE LANE - NO PARKING TOW WAY ZONE" IN WHITE LETTERS AT LEAST THREE (3) INCHES IN HEIGHT, AT INTERVALS NOT EXCEEDING (50) FEET. WHERE FIRE LANES ARE CLEARLY DEFINED BY CURB/PAVEMENT STRIPING, FIRE LANE SIGNS ARE NOT REQUIRED. FIRE LANE SIGNS SHOULD BE PLACED EVERY (75) FEET ALONG ANY FIRE LANE WHERE PAVEMENT OR CURB STRIPING IS NOT PRACTICAL. ANY COLOR OTHER THAN RED MAY BE USED IN "NO PARKING" AREAS THAT ARE NOT APPROVED FIRE LANES. RED COLORED CURBS, PAVEMENT STRIPING OR WHEEL STOPS SHALL BE USED ONLY TO DESIGNATE APPROVED FIRE LANES

FH	FIRE HYDRANT
	FIRE LANE



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264 FM 969 BLDG. 3
BASTROP, TX 78602

Project Number : 8989

	DATE
ISSUED FOR CLIENT APPROVAL	08.17.2026
ISSUED FOR BIDDING	09.11.2026
ISSUED FOR PERMIT	09.11.2026
ISSUED FOR CONSTRUCTION	

[illegible]

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09/25/26

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FIRE APPARATUS SITE ACCESS PLAN

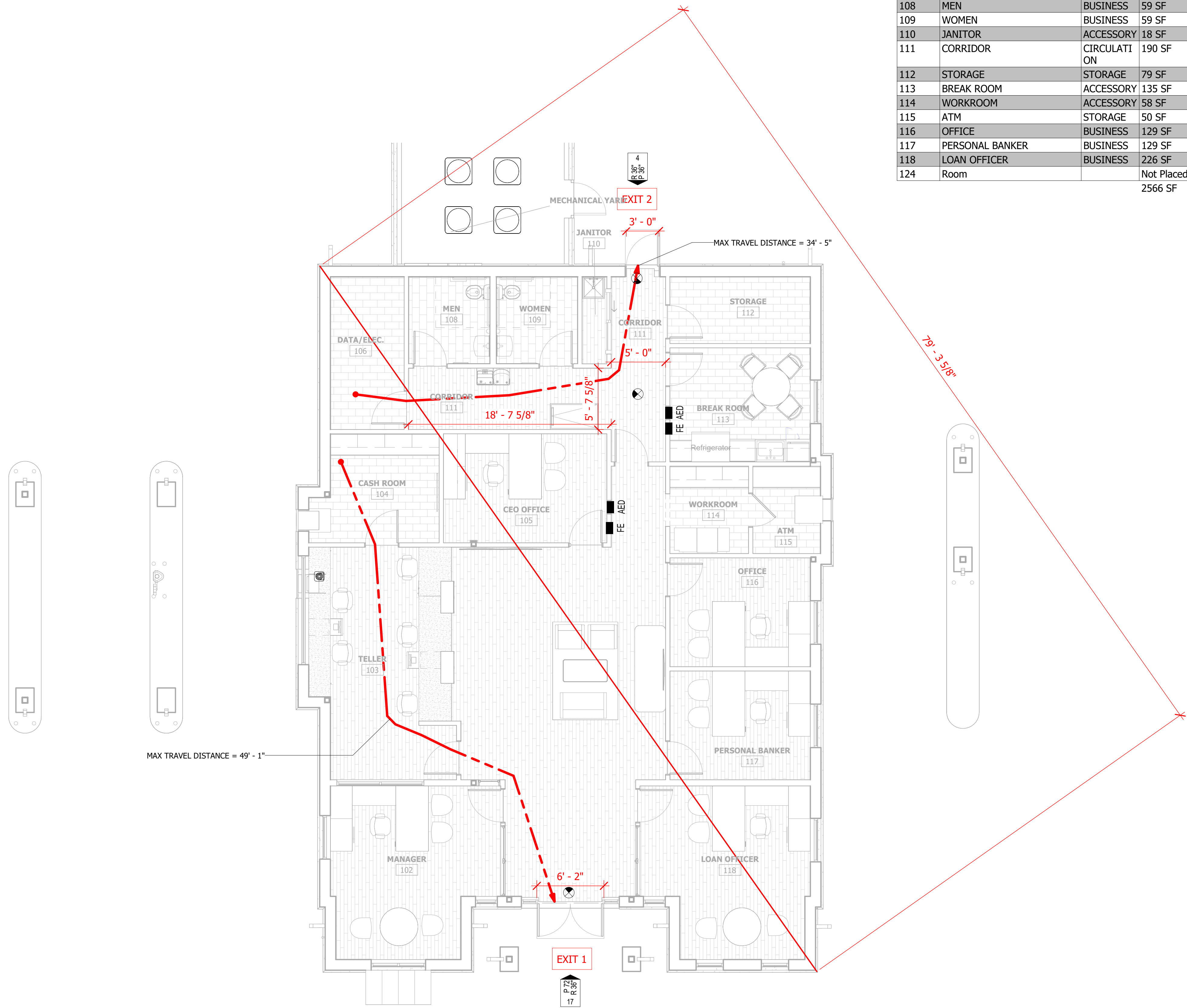
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CA

TB

T-1.30

OCCUPANT LOAD FOR					
Number	Name	Occupancy	Area	Occupant Factor	Occupancy Load
100	LOBBY	BUSINESS	587 SF	150	4
102	MANAGER	BUSINESS	226 SF	150	2
103	TELLER	BUSINESS	266 SF	150	2
104	CASH ROOM	BUSINESS	108 SF	150	1
105	CEO OFFICE	BUSINESS	150 SF	150	2
106	DATA/ELEC.	ACCESSORY	95 SF	300	1
108	MEN	BUSINESS	59 SF	0	
109	WOMEN	BUSINESS	59 SF	0	
110	JANITOR	ACCESSORY	18 SF	300	1
111	CORRIDOR	CIRCULATION	190 SF	0	
112	STORAGE	STORAGE	79 SF	300	1
113	BREAK ROOM	ACCESSORY	135 SF	150	1
114	WORKROOM	ACCESSORY	58 SF	300	1
115	ATM	STORAGE	50 SF	300	1
116	OFFICE	BUSINESS	129 SF	150	1
117	PERSONAL BANKER	BUSINESS	129 SF	150	1
118	LOAN OFFICER	BUSINESS	226 SF	150	2
124	Room		Not Placed		
			2566 SF		21



LIFE SAFETY:

NOTE:
FIRE EXTINGUISHER: FE
FIRE EXTINGUISHER SPEC: MP10 CLASS A, 10LBS
FIRE EXTINGUISHER CABINET SPEC:
LARSEN 2409-4-FG-AL-LTG
AED SPEC: PHILIPS AA-M5066A-WC280-100-SL-A
AED CABINET SPEC: LARSEN S1414-RD

EMERGENCY LIGHTING: REF. SHEET E-2.1 & E-2.2
EXIT SIGNS: REF. SHEET E-2.1 & E-2.2
SMOKE DETECTORS: REF. SHEET MEP
PANIC HARDWARE: REF. SHEET A-2.00

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS AND QUANTITY OF SMOKE DETECTORS AND ILLUMINATED EXIT SIGNS.
2. REFER TO A-3.00 FOR COMPOSITION OF RATED PARTITIONS.
3. REFER TO A-2.00 FOR DOOR SCHEDULE IDENTIFYING FIRE RATING RATINGS
4. IF AN OPENING OCCURS IN A RATED WALL, REFER TO THE SPECIFICATIONS FOR REQUIREMENTS.
5. IF REQUIRED, FIRE ALARM SYSTEM WILL REQUIRE SEPARATE PERMIT AND SUBMITTAL. ISSUANCE OF A BUILDING PERMIT DOES NOT IMPLY APPROVAL TO INSTALL THE FIRE ALARM SYSTEM. SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA STANDARD 72 AND THE COUNTY FIRE MARSHALL.
6. ALL EXITS SHALL COMPLY WITH ACCESSIBLE STANDARDS AND DISCHARGE TO A PAVED PUBLIC WAY, OR A PAVED SIDEWALK WHICH LEADS TO A PUBLIC WAY.
7. BUILDING WILL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY FIRE CODE AND REFERENCED DOCUMENTS.

APPLICABLE CODES

2015 IBC WITH CITY OF HOUSTON AMENDMENTS
2020 NEC WITH CITY OF HOUSTON AMENDMENTS
2015 UPC WITH CITY OF HOUSTON AMENDMENTS
2015 IFC WITH CITY OF HOUSTON AMENDMENTS
2015 IECC WITH CITY OF HOUSTONAMENDMENTS
2015 UMC WITH CITY OF HOUSTON AMENDMENTS
2012 TAS TEXAS ACCESSIBILITY STANDARDS (ADOPTED MARCH
2012)

LEGEND

- | | |
|---|---|
|  | NEW PARTITION NON-RATED
RE: A3.00 FOR PARTITION TYPES |
|  | LONGEST EXIT ROUTE PER LEVEL |
|  | EXIT ROUTE |
|  | EXIT POINT WITH WIDTH INDICATED IN INCHES
OCCUPANT LOAD SHOWN VERTICAL
P-PROVIDES EXIT WIDTH OF EGRESS COMPONENT
R-REQUIRED EXIT WIDTH OF EGRESS COMPONENT |
|  | FIRE EXTINGUISHER CABINET &
FIRE EXTINGUISHER |
|  | AUTOMATED EXTERNAL DEFIBRILLATOR CABINET
& AUTOMATED EXTERNAL DEFIBRILLATOR |



ARCHITECTURE | DESIGN | CONSTRUCTION

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REVISIONS

[illegible]

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09/18/26

DRAWING TITLE

LIFE SAFETY PLAN

DRAWN BY R

1. *Journal of the American Medical Association*, 2000; 283: 2689-2693.

SHEET NO.

CHECKED BY CA

C

T 1

T-1.40

APPROVED BY _____ T_____

T

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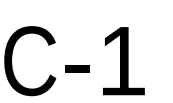
264 FM 969 BLDG 3
BASTROP, TEXAS 78602

BASTROP FIRE DEPARTMENT		
FIRE DESIGN CODES	IFC 2018 W/ COA LOCAL AMENDMENTS	
FIRE FLOW DEMAND @ 20 PSI	1,500 GPM	
INTENDED USE	COMMERCIAL	
CONSTRUCTION CLASSIFICATION	V-A	
BUILDING FIRE AREA (SF)	2,947 sf	
AUTOMATIC FIRE SPRINKLERS	NO	
REDUCED FIRE FLOW DEMAND	NO	
AFD FIRE HYDRANT FLOW TEST DATE		
AFD FIRE HYDRANT FLOW TEST LOCATION		

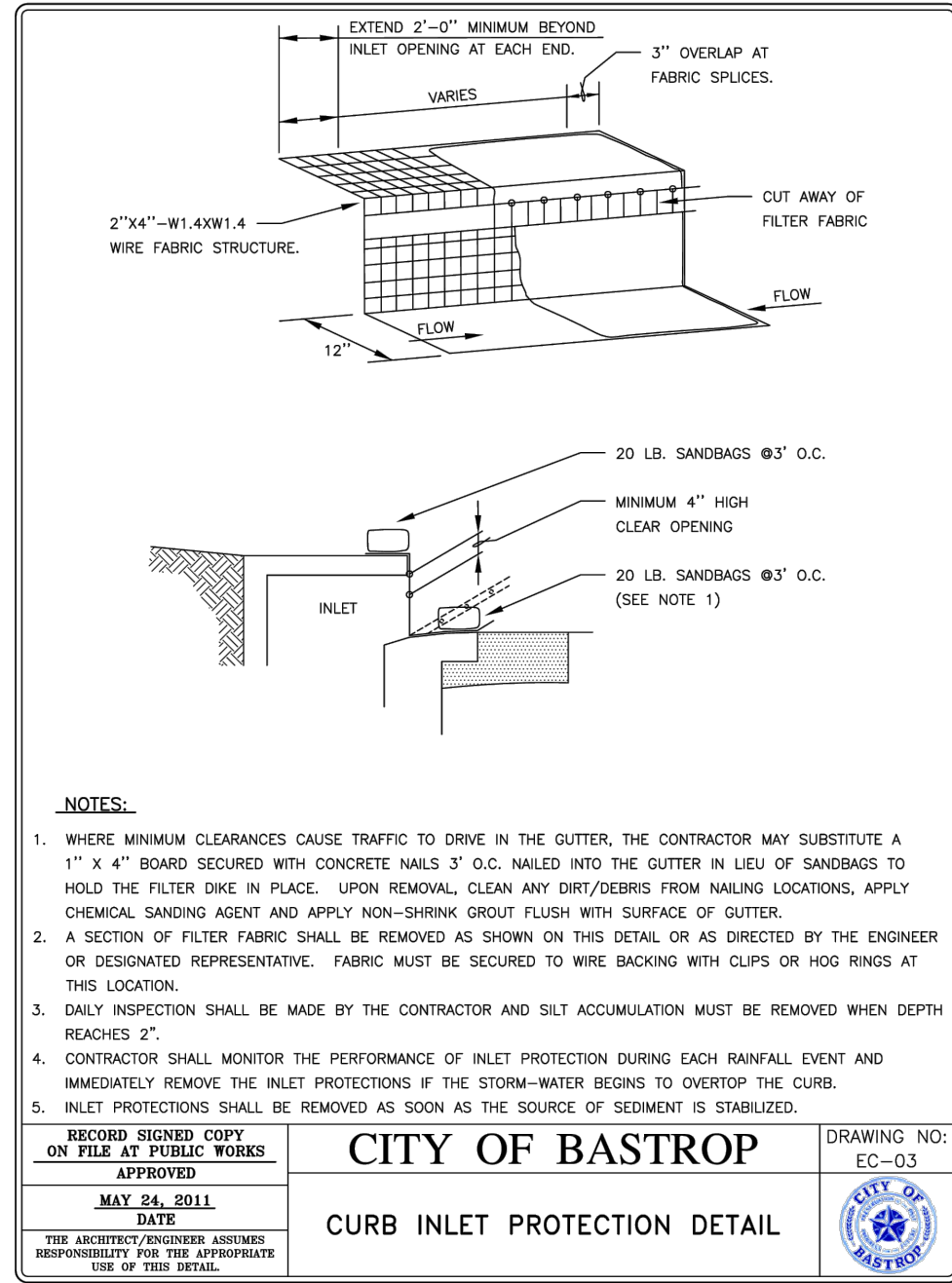
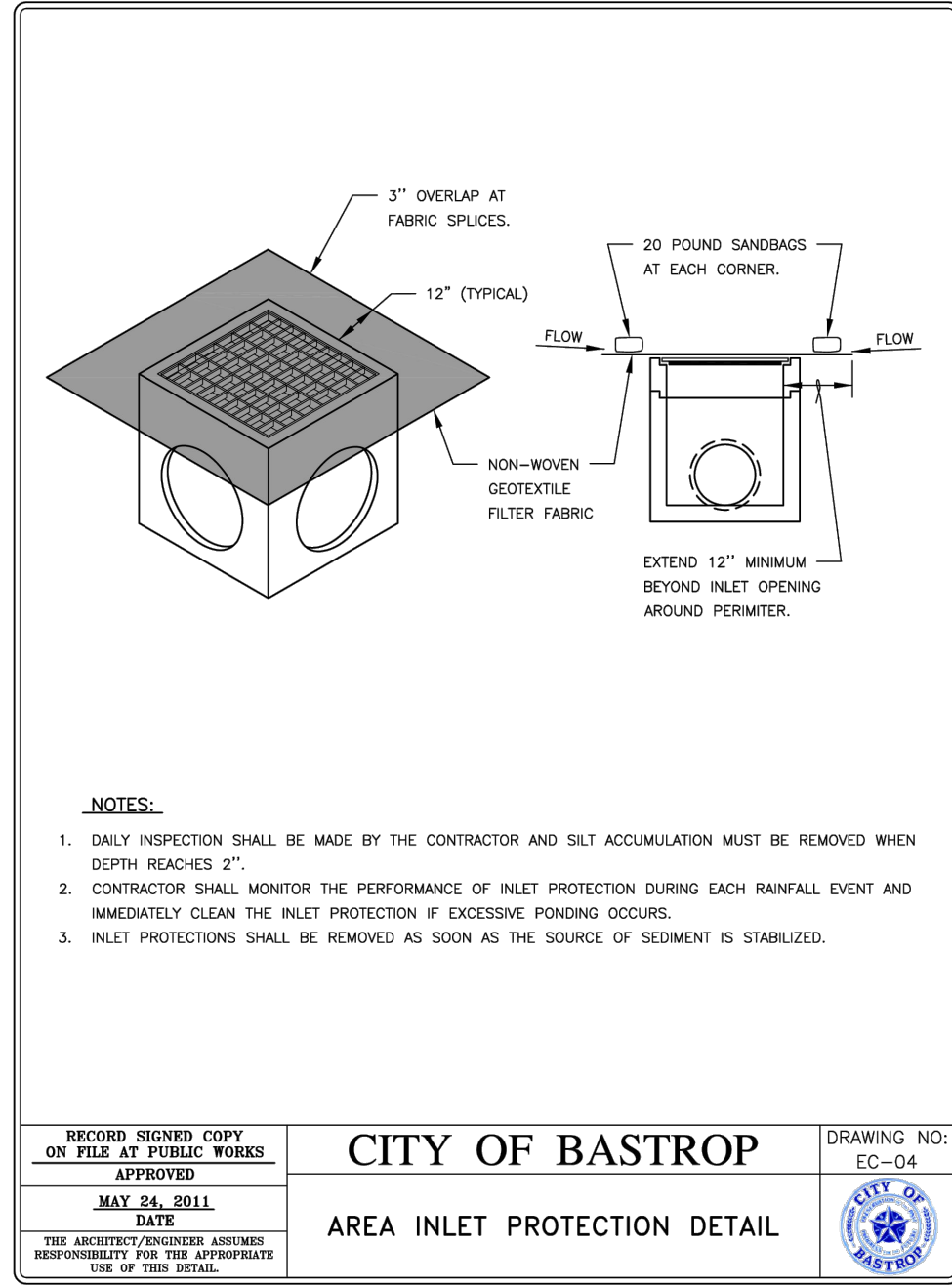
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NO.	REVISION / CORRECTIONS DESCRIPTION	REVISE (R) ADD (A) VOID (V) SHEET NO'S	TOTAL # SHEETS IN PLAN SET	NET CHANGE IMP. COVER (SQ. FT)	TOTAL SITE IMP. COVER (SQ. FT.)/(%)	BASTROP APPROVAL/DATE	BASTROP APPROVED BY	DATE IMAGED	TRANS COUNT APPROVED DATE	TNR APPROVED BY
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NOTED: ALL REVISIONS AND CORRECTIONS SHOULD BE REVIEWED AND APPROVED BY BASTROP COUNTY



C-2



1. WASHOUT SHALL BE INSTALLED PRIOR TO PLACING ANY CONCRETE ON-SITE.
2. INSTALL DIRECTIONAL SIGNS AS NECESSARY TO INDICATE WASHOUT LOCATION TO CONCRETE SUPPLY VEHICLES.
3. WASHOUT SHALL BE INSPECTED WEEKLY AND AFTER RAIN EVENTS IN ACCORDANCE WITH SWPPP.
4. CONTRACTOR TO MAINTAIN, REPAIR, ENLARGE OR RELOCATE WASHOUT AS NECESSARY TO MEET PROJECT REQUIREMENTS.
5. WHEN NECESSARY DURING CONSTRUCTION, OR AT THE COMPLETION OF ALL CONSTRUCTION, CONCRETE SHALL BE REMOVED AND LAWFULLY DISPOSED OF AND THE WASHOUT AREA FILLED WITH COMPACTED SELECT FILL.
6. CONCRETE WASHOUT SHALL NOT BE LOCATED WITHIN 50' OF STORM INLET, DITCH, OR SUBSURFACE DRAINAGE SYSTEM.



CONCRETE WASHOUT DETAIL
N.T.S

D. RESTORATION SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1 INCH HIGH WITH % COVERAGE, PROVIDED NO BARE SPOTS LARGER THAN 20 SQUARE FEET EXIST.

(B) TCEQ AND EPA PERMITTING SHALL ALSO BE THE RESPONSIBILITY OF THE RESPONSIBLE PARTY AND THEIR ENGINEER.



Carlson, Brigrance & Doering, Inc.

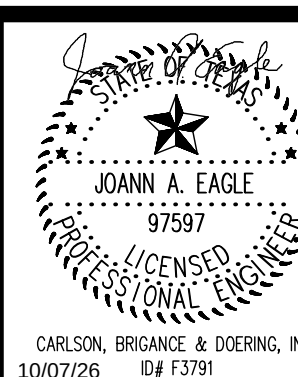
Civil Engineering ♦ Surveying
5501 West William Cannon ♦ Austin, Texas 78749
Phone No. (512) 280-5160 ♦ Fax No. (512) 280-5165

REVISIONS

[illegible]

PRINT DATE:

October 2026



CARLSON, BRIGANCE & DOERING, III
10/07/26 ID# F3791

DRAWING TITLE

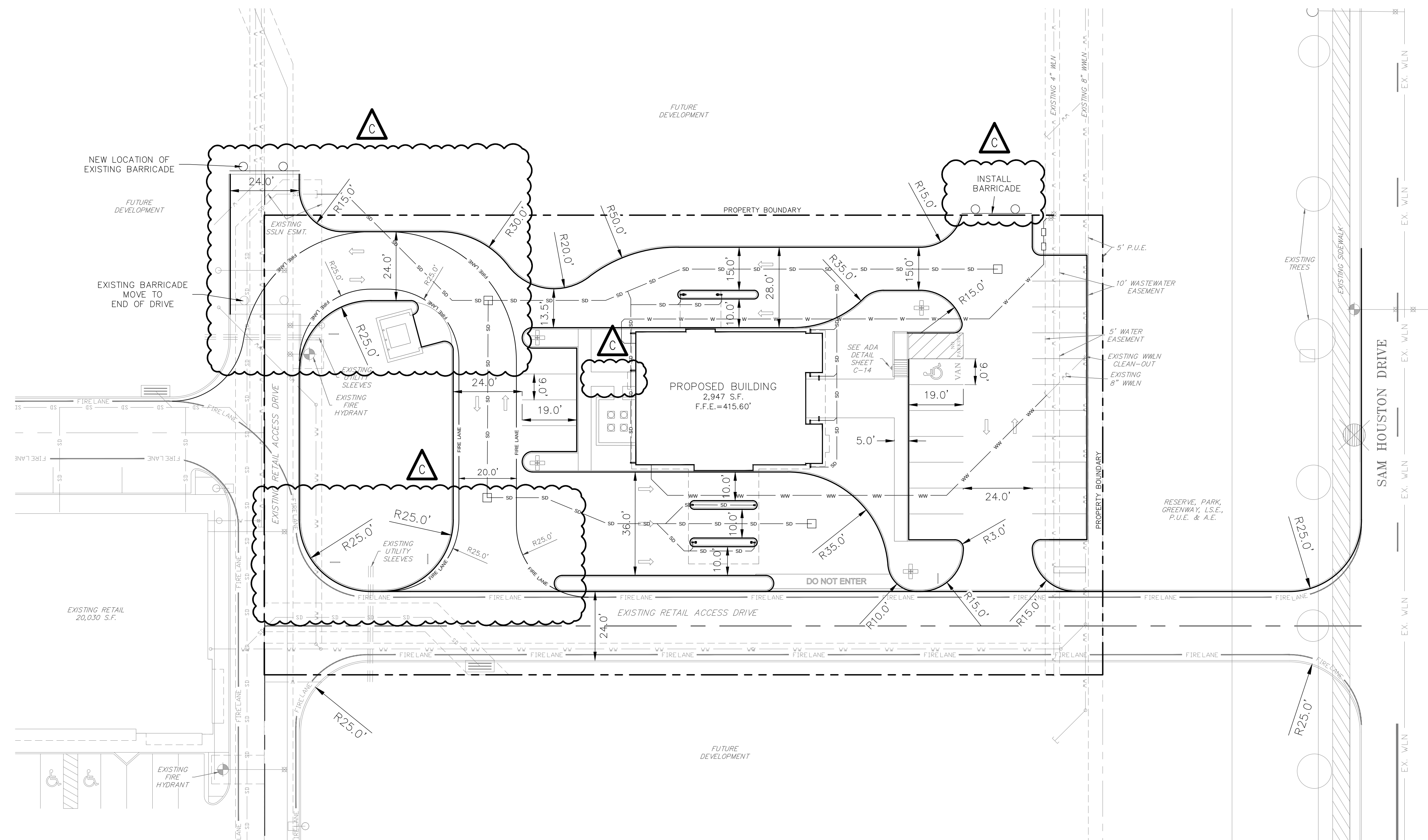
SITE PLAN

DRAWN BY

CP	SHEET NO.
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51

C-7

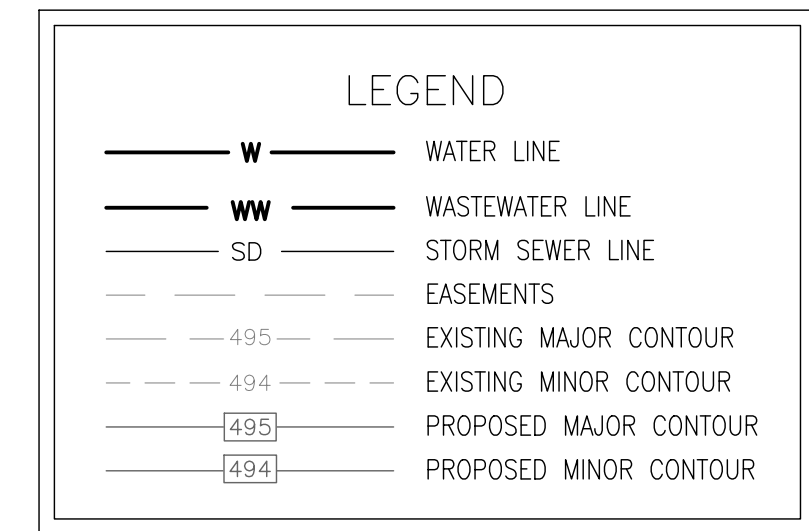


SITE CALCULATIONS

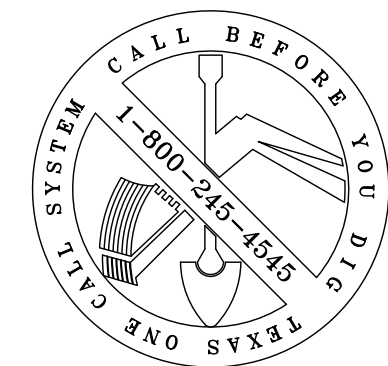
Total Site Area = 1.072 Acres

PROPOSED TOTAL IMPERVIOUS COVER

Pavement area =	<u>29,473</u>	sq. ft. =	<u>0.6766</u>	Acres
Building Area =	<u>2,947</u>	sq. ft. =	<u>0.0677</u>	Acres
Other Areas (sidewalks, etc.) =	<u>1,651</u>	sq. ft. =	<u>0.0379</u>	Acres
Total Proposed Impervious Cover (IC) =	<u>34,071</u>	sq. ft. =	<u>0.782</u>	Acres
Total Proposed Impervious Cover, % =			<u>73.0%</u>	
Allowed Impervious Cover, % =		=	80%	



SCALE: 1" = 20'



THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR WILL AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE INCURRED BY THEIR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, STRUCTURES OR FACILITIES. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES 24 HOURS PRIOR TO COMMENCING CONSTRUCTION.

1. ALL STREETS ARE TO BUILT TO SUBGRADE PRIOR TO UTILITY INSTALLATION.
2. ALL WASTEWATER PIPE SHALL BE SDR-26 PVC WW PIPE UNLESS NOTED OTHERWISE.
3. MANDREL TESTING WILL BE REQUIRED ON ALL FLEXIBLE WASTEWATER PIPE AS PER TEXAS COMMISSION ON ENVIRONMENTAL QUALITY RULES.

1. WATER PIPE 4" & LARGER SHALL BE C900-DR14 PVC. WATER PIPE 3" & SMALLER SHALL BE SCHEDULE 40 W/ MIN. 150 PSI PRESSURE RATING.
2. ALL DOMESTIC WATER PIPE SHALL BE PVOI WITH CASKETED FITTINGS OR BETTER. GLUED JOINTS ARE NOT ALLOWED. PIPE SHALL BE STAMPED WITH NSF OR AWWA
3. ALL WATER/WASTEWATER CROSSINGS MUST BE SEPARATED BY 2.0' MIN. AND CONFORM TO TCEQ CHAPTER 290, RULE 10.01
4. ALL PVC WATERLINE P.I.'S BOTH HORIZONTAL AND VERTICAL, SHALL NOT EXCEED 1" ALLOWABLE JOINT DEFLECTION. ALL DUCTILE IRON WATERLINE P.I.'S BOTH HORIZONTAL AND VERTICAL, SHALL NOT EXCEED 80% OF MANUFACTURERS MAXIMUM RECOMMEND JOINT DEFLECTION.
5. ALL FILL AREAS ARE TO BE COMPACTED TO 95% PROCTOR DENSITY, PRIOR TO UTILITY INSTALLATION.
6. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL VERTICAL BENDS REQUIRED SO AS NOT TO BE IN CONFLICT WITH OTHER UTILITIES.
7. ALL PIPES TO HAVE THRUST BLOCKING PROVIDED, AS REQUIRED. (VIA MECHANICAL RESTRAINTS FOR PUBLIC INFRASTRUCTURE)
8. PIPE RADIUS BENDS LESS THAN 200' REQUIRE 13' PIPE JOINTS.
9. CONTRACTOR TO VERIFY LOCATIONS OF IRRIGATION SLEEVES WITH THE IRRIGATION INSTALLER.
10. UNDERGROUND MAINS FEEDING PRIVATE FIRE HYDRANTS MUST BE INSTALLED AND TESTED IN ACCORDANCE WITH THE FIRE CODE BY A STATE LICENSED CONTRACTOR. A PLUMBING PERMIT FOR THE PROPOSED WORK. THE ENTIRE MAIN MUST BE HYDROSTATICALLY TESTED AT ONE TIME, UNLESS ISOLATION VALVES ARE PROVIDED BETWEEN TESTED SECTIONS.

1. ALL WASTEWATER PIPE SHALL BE SDR26 PVC UNLESS NOTED OTHERWISE. ALL SERVICES TO BE AS SHOWN ON THE PLAN.
2. VERIFY LOCATION OF EXISTING UTILITIES TO BE EXTENDED PRIOR TO INSTALLATION OF ANY LINE WORK.
3. SEE WATER & WASTEWATER DETAILS FOR SERVICE DETAILS.
4. PRIVATE CONSTRUCTION OF WASTEWATER LINES SHALL CONFORM TO THE 2018 UPC SECTION 719.0
5. CLEANEOUTS SHALL BE INSTALLED AT INTERVALS NOT TO EXCEED 100-FT IN STRAIGHT RUNS, PER 2018 UPC SECT. 719.1.
6. ALL PRIVATE WASTEWATER LINES SHALL COMPLY WITH 2018 UPC SECT.717.0 TABLE 717.1.
7. ALL CLEANEOUTS IN DRIVE AREA TO HAVE TRAFFIC BEARING LIDS.

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BASTROP, TX 78602

Project Number : 5816

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September 2026

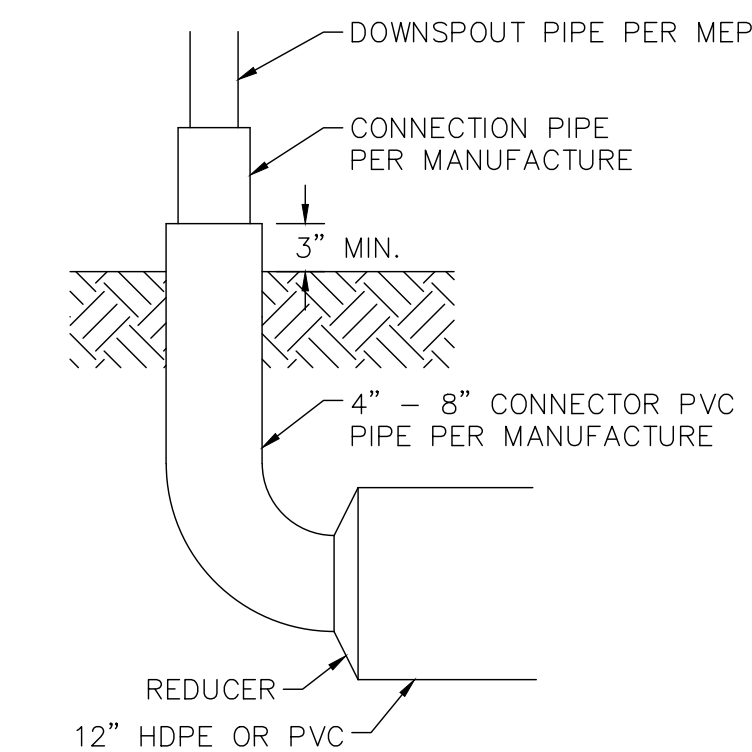


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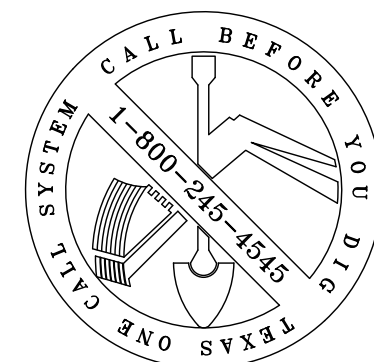


DOWNSPOUT CONNECTION DETAIL
N.T.S.

A decorative flourish is positioned above a scale bar. The scale bar is marked with 0, 20', and 40'.

SCALE: 1" = 20'

NOTE:
STORM SEWER PIPES SHALL BE HDPE
OR RCP, UNLESS OTHERWISE NOTED.



THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR WILL AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE INCURRED BY THEIR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, STRUCTURES OR FACILITIES. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES 24 HOURS PRIOR TO COMMENCING CONSTRUCTION.

NOTES: (THESE NOTES APPLY TO THE ENTIRE DRAINAGE SYSTEM)

1. THE DESIGN INTENT IF THESE PLANS IS FOR ALL BENDS, LATERAL CONNECTIONS, REDUCTIONS, AND FITTINGS TO BE MADE WITH PRE-FABRICATED FITTINGS MANUFACTURED IN ACCORDANCE WITH ASTM C-76, CLASS 3 REQUIREMENTS. ALL DEFLECTIONS SHALL BE A MAXIMUM OF 5 DEGREES. IF THE CONTRACTOR ELECTS TO USE ALTERNATE CONNECTION METHODS THEN A SUBMITTAL SHALL BE APPROVED BY THE ENGINEER AND THE CITY OF BASTROP PRIOR TO COMMENCING PIPE LAYING OPERATIONS.
2. WHERE STORM DRAINAGE IS SHOWN TO BE INSTALLED ON A CURVE THE CONTRACTOR SHALL SUBMIT A LAYING SCHEDULE DEMONSTRATING ANTICIPATED JOINT SEPARATIONS USING 8' JOINTS, A COMBINATION OF 8' AND 4' JOINTS, OR LONG RADIIU PIPE TO ACHIEVE THE NECESSARY RADIUS WITHOUT EXCESSIVE JOINT SEPARATION. PROPOSED INSTALLATION METHOD SHALL BE APPROVED BY THE ENGINEER AND THE CITY OF BASTROP PRIOR TO COMMENCING PIPE LAYING OPERATIONS.

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Project Number : 5816



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REVISIONS

[illegible]

PRINT DATE:

September 2026



CARLSON, BRIGANCE & DOERING, INC.
09/10/2026 ID# F3791

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STORM SEWER PLAN

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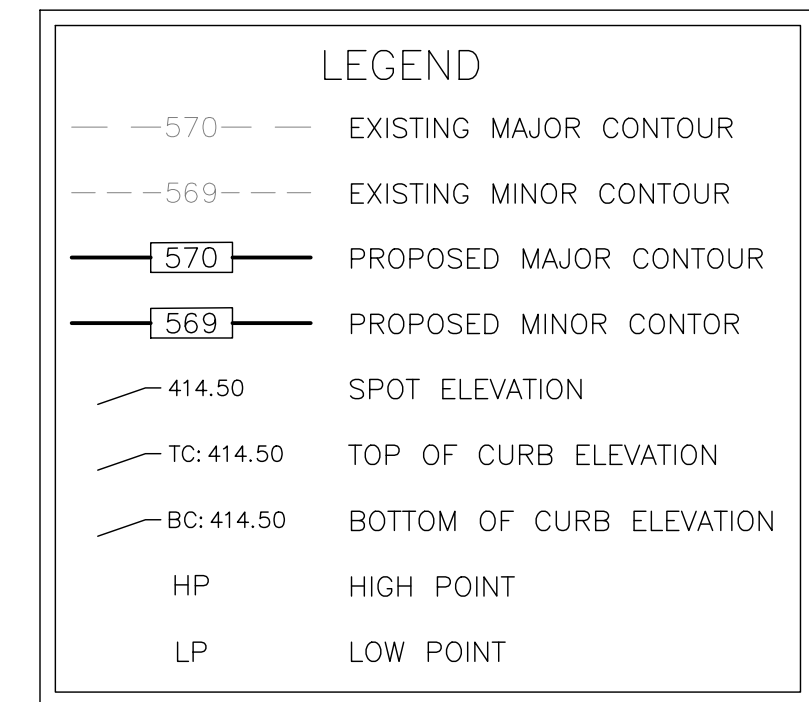
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C-9



SCALE: 1" = 20'



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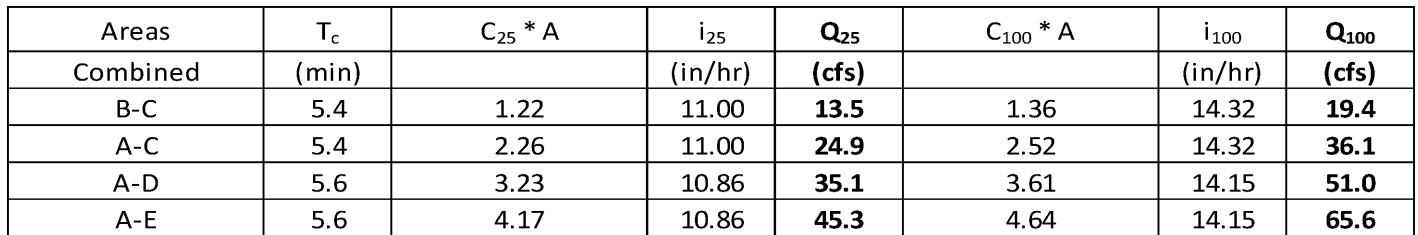
GRADING PLAN

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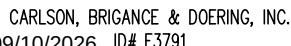
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Areas	T _c	C ₂₅ * A	i ₂₅	Q ₂₅	C ₁₀₀ * A	i ₁₀₀	Q ₁₀₀
Combined	(min)		(in/hr)	(cfs)		(in/hr)	(cfs)
A1-A3	7.0	0.56	10.20	5.7	0.63	13.31	8.3

[illegible]

September 2026



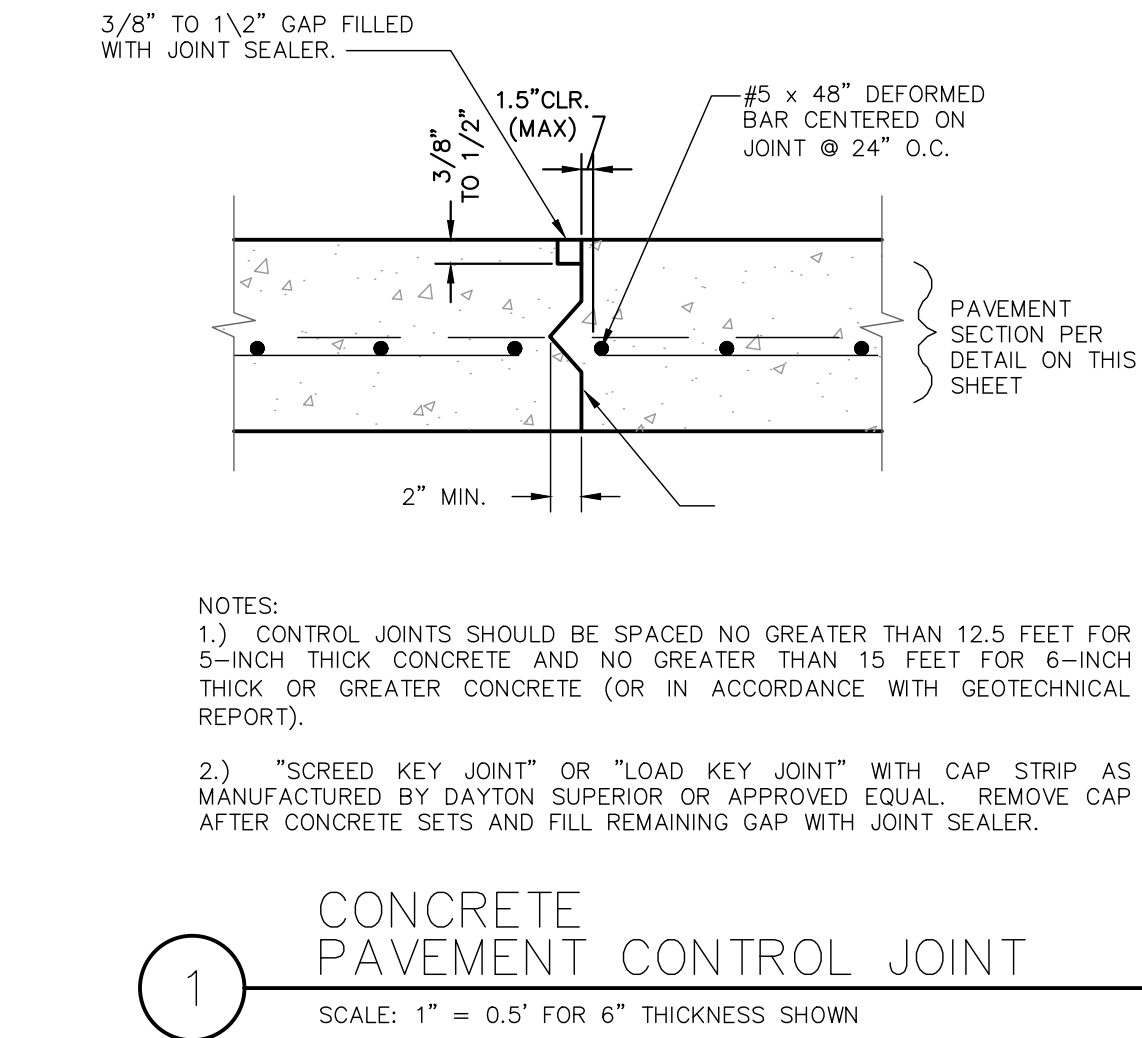
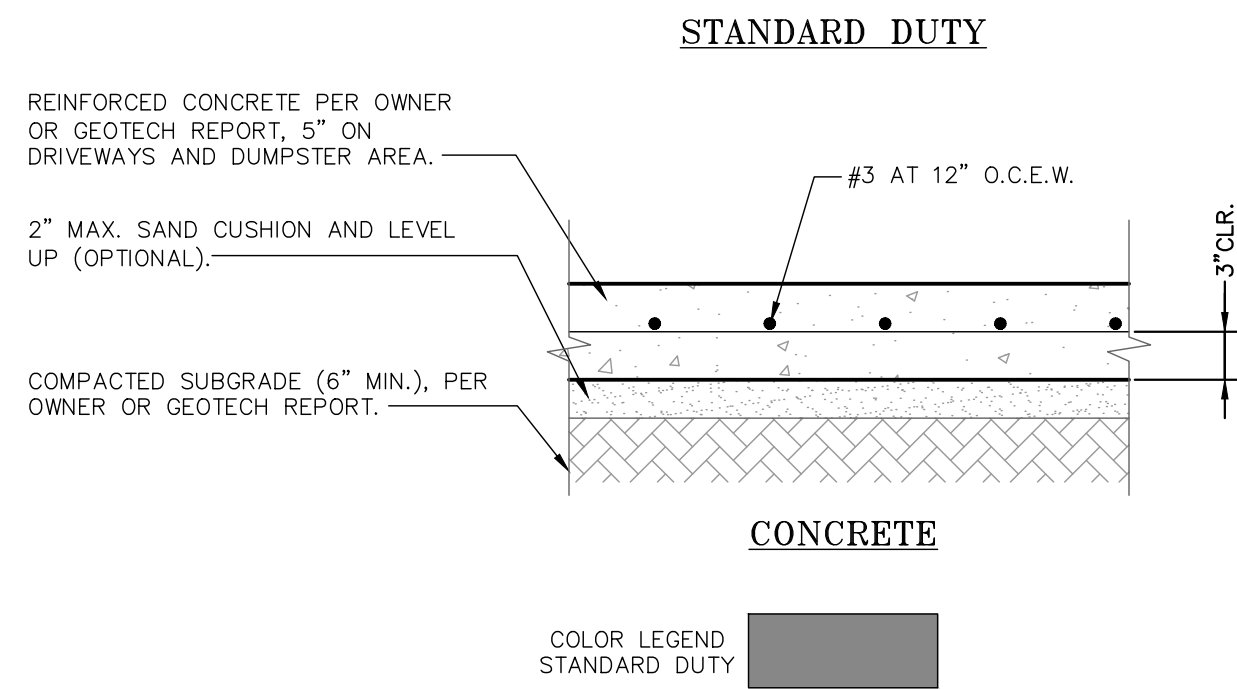
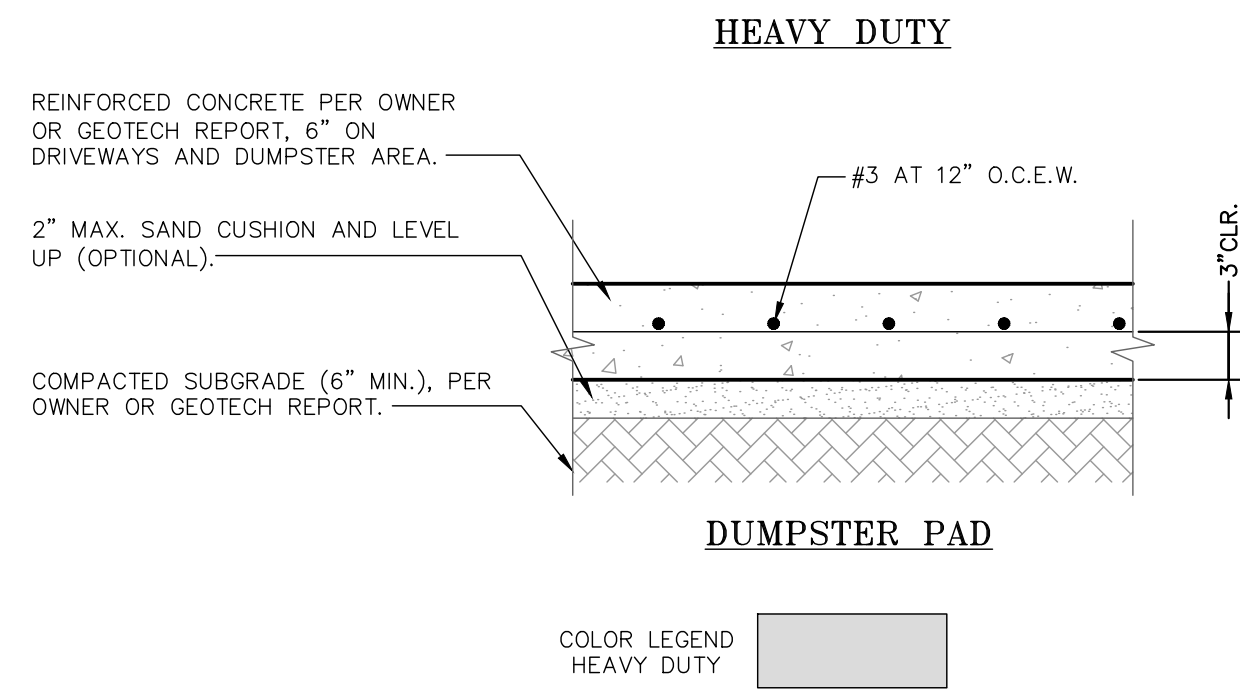
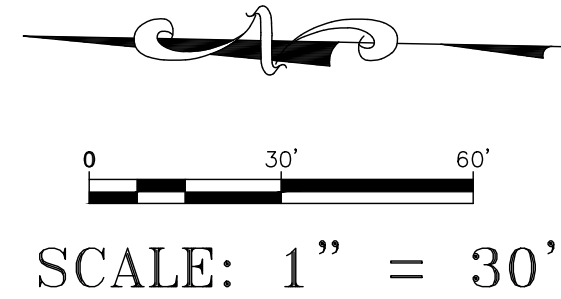
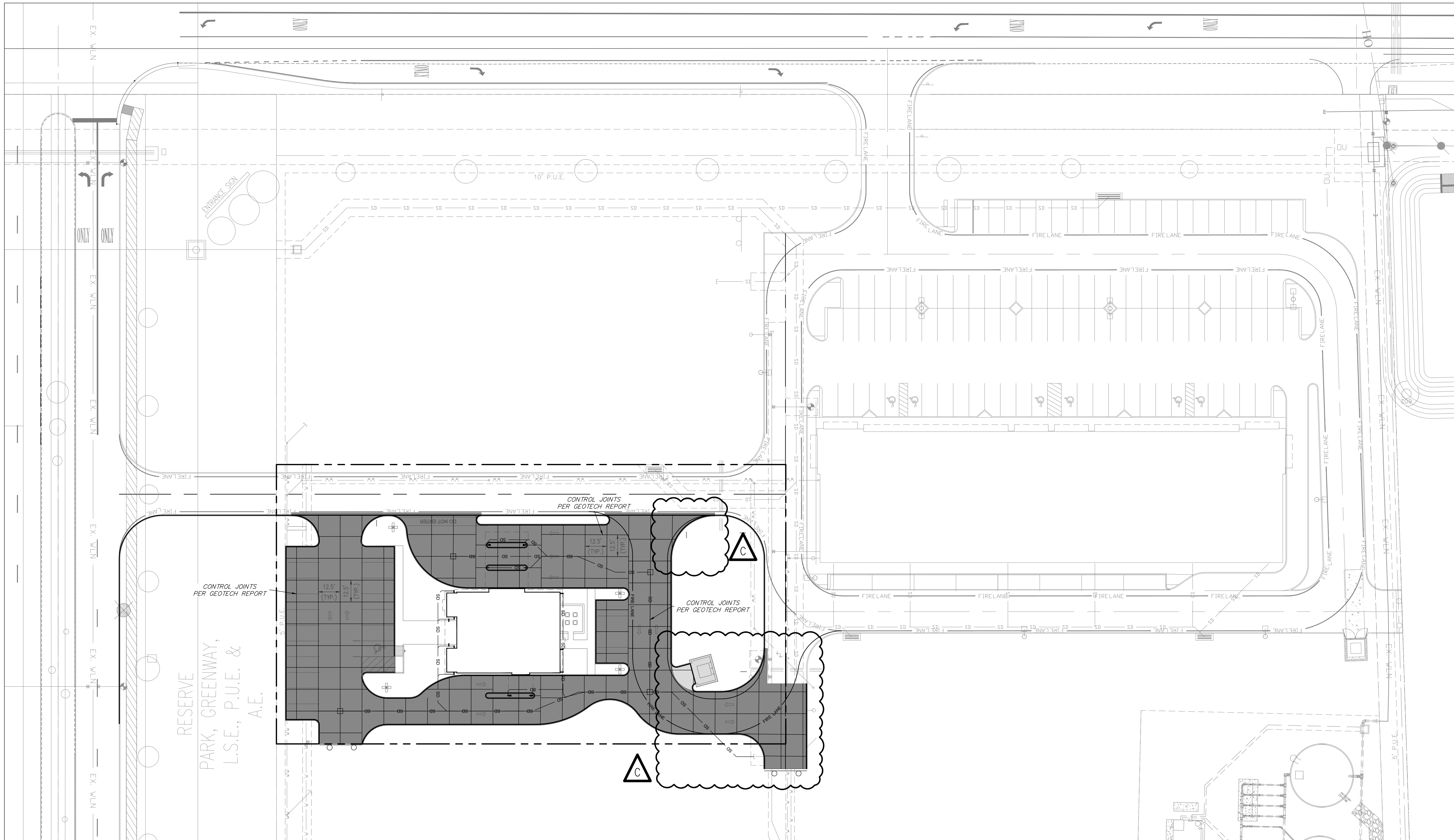
DRAINAGE PLAN

SHEET NO.

C

C-11

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Project Number : 5816



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REVISIONS

MARK	DESCRIPTION	DATE
C	ADDENDUM C	10-7-26

PRINT DATE:

October 2026



DRAWING TITLE

PAVEMENT PLAN

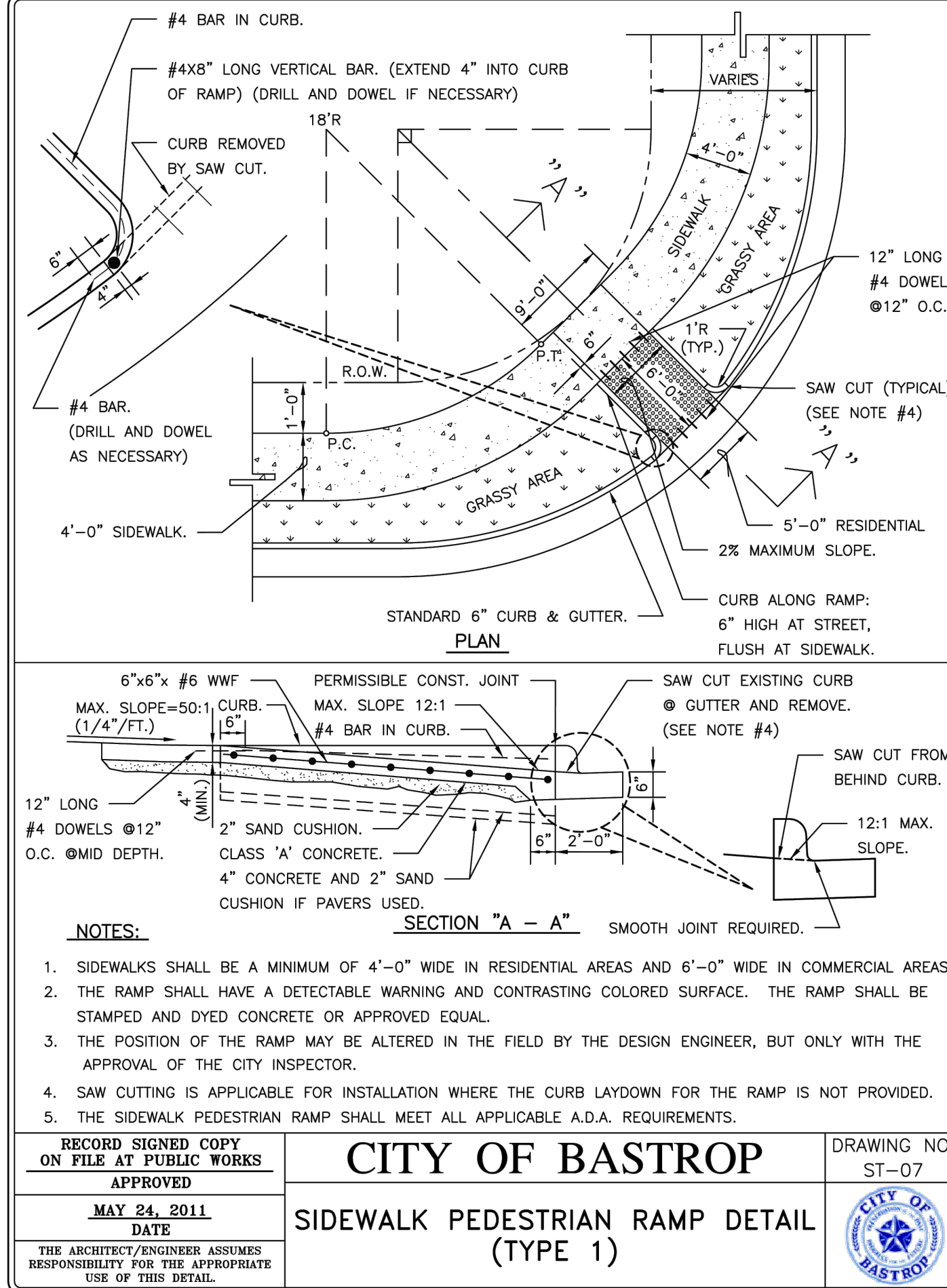
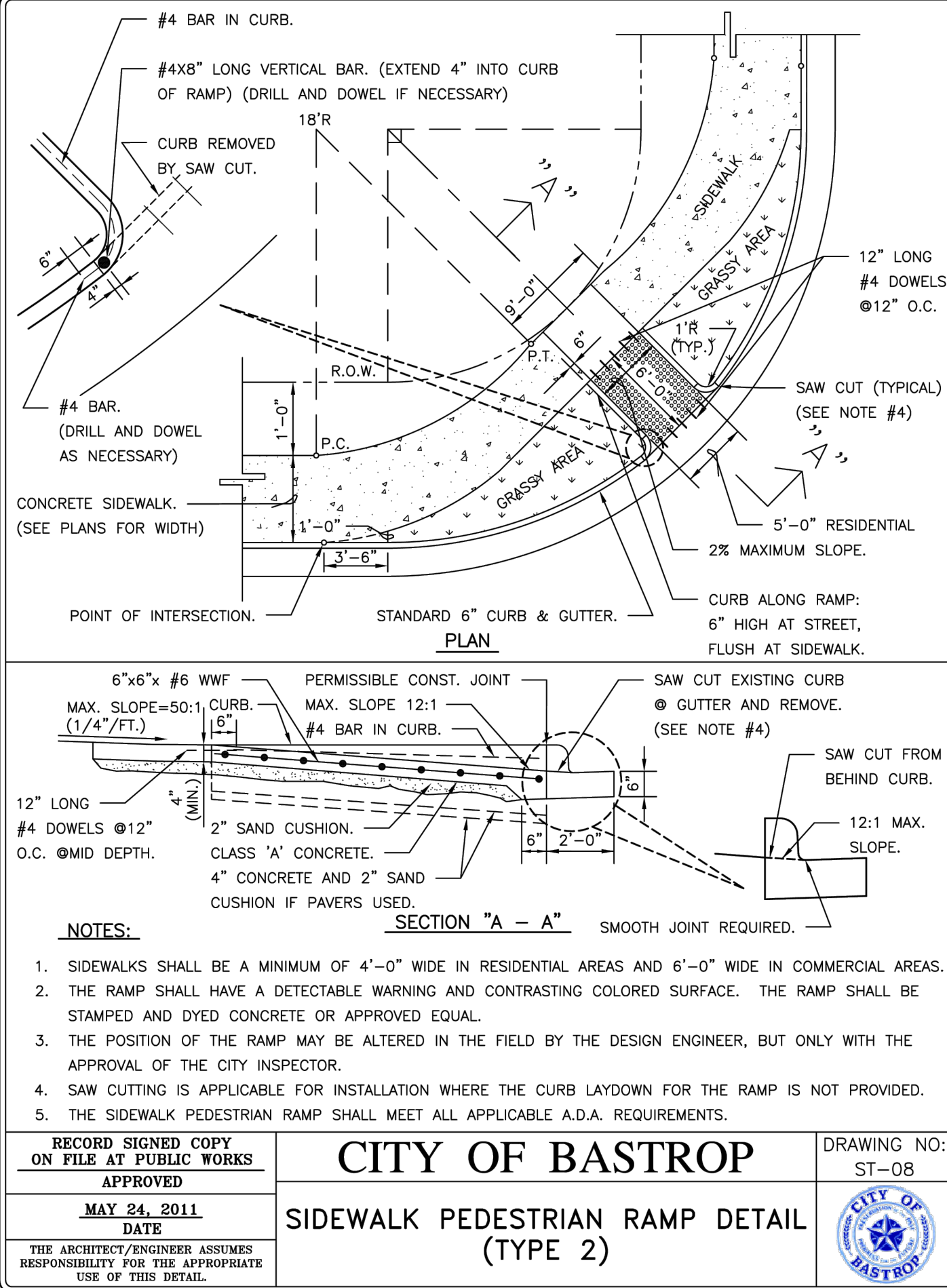
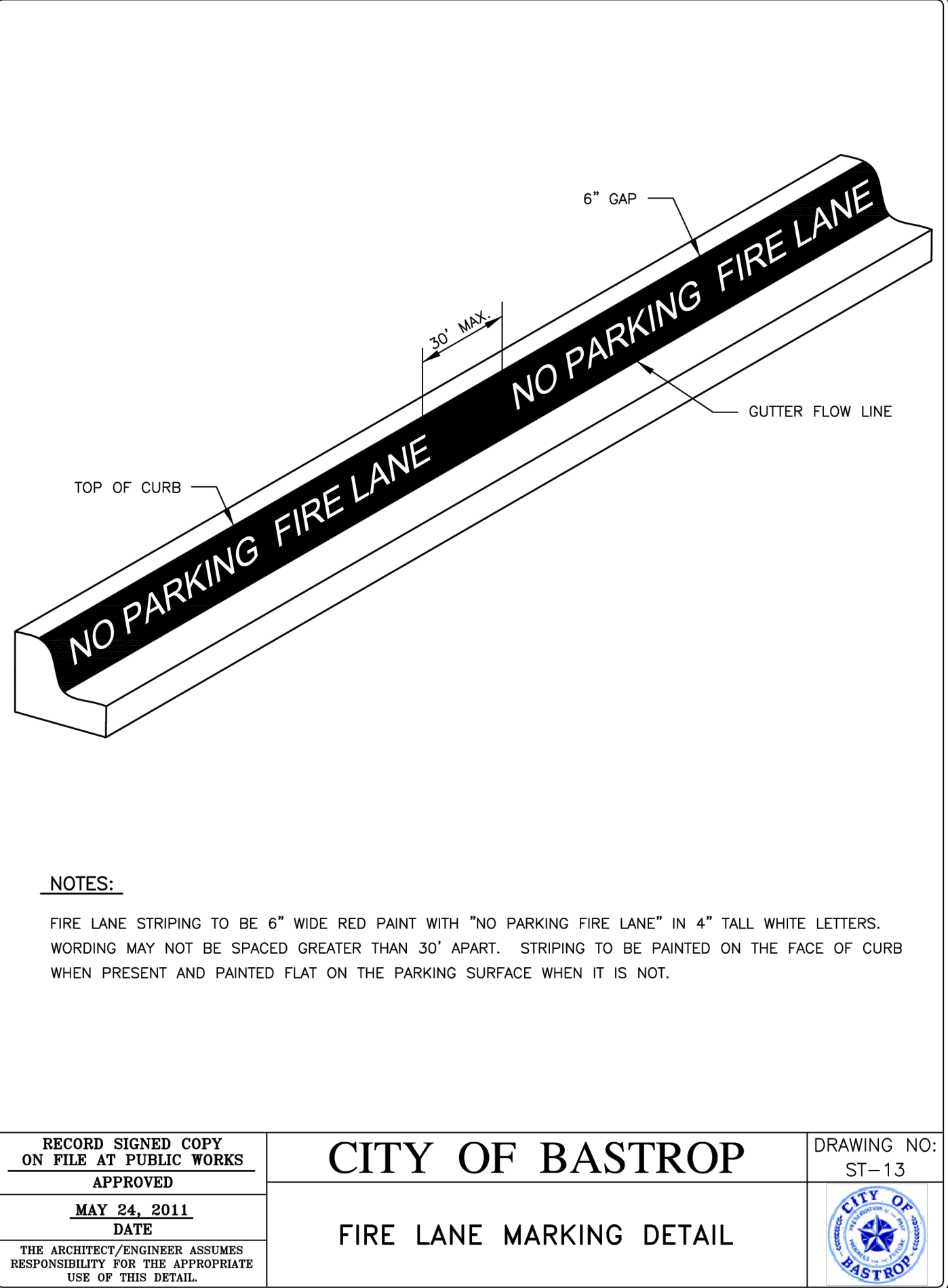
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SHEET NO.

CHECKED BY JAE

C-12

APPROVED BY JAE



1. ALL GRATE INLETS TO BE BUILT IN A SUMP.
GRATE INLETS NOT BUILT IN A SUMP PER DETAIL WILL NOT BE ACCEPTED.



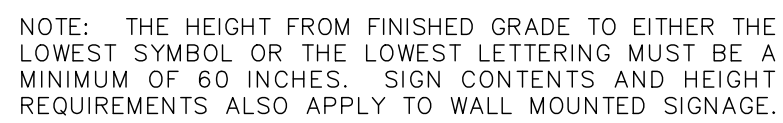
1. PRE-CAST GRATE INLET SUBSTITUTION ALLOWED, CONTRACTOR TO MAKE SUBMITTAL PRIOR TO ORDERING AND CHECK DEPTH REQUIREMENTS.

"BUILDING MOUNTED"

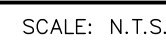


ADA PARKING SPACE SYMBOL

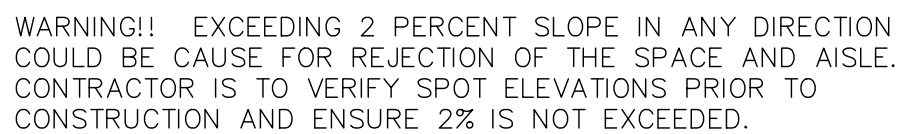
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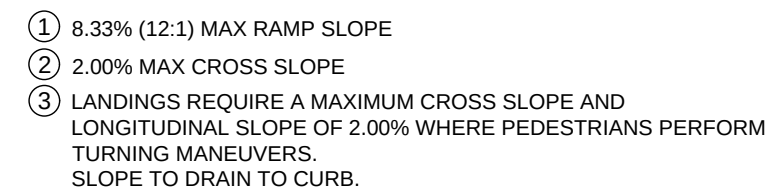
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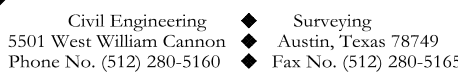


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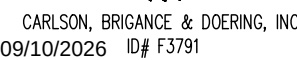
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Project Number : 5816

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September 2026

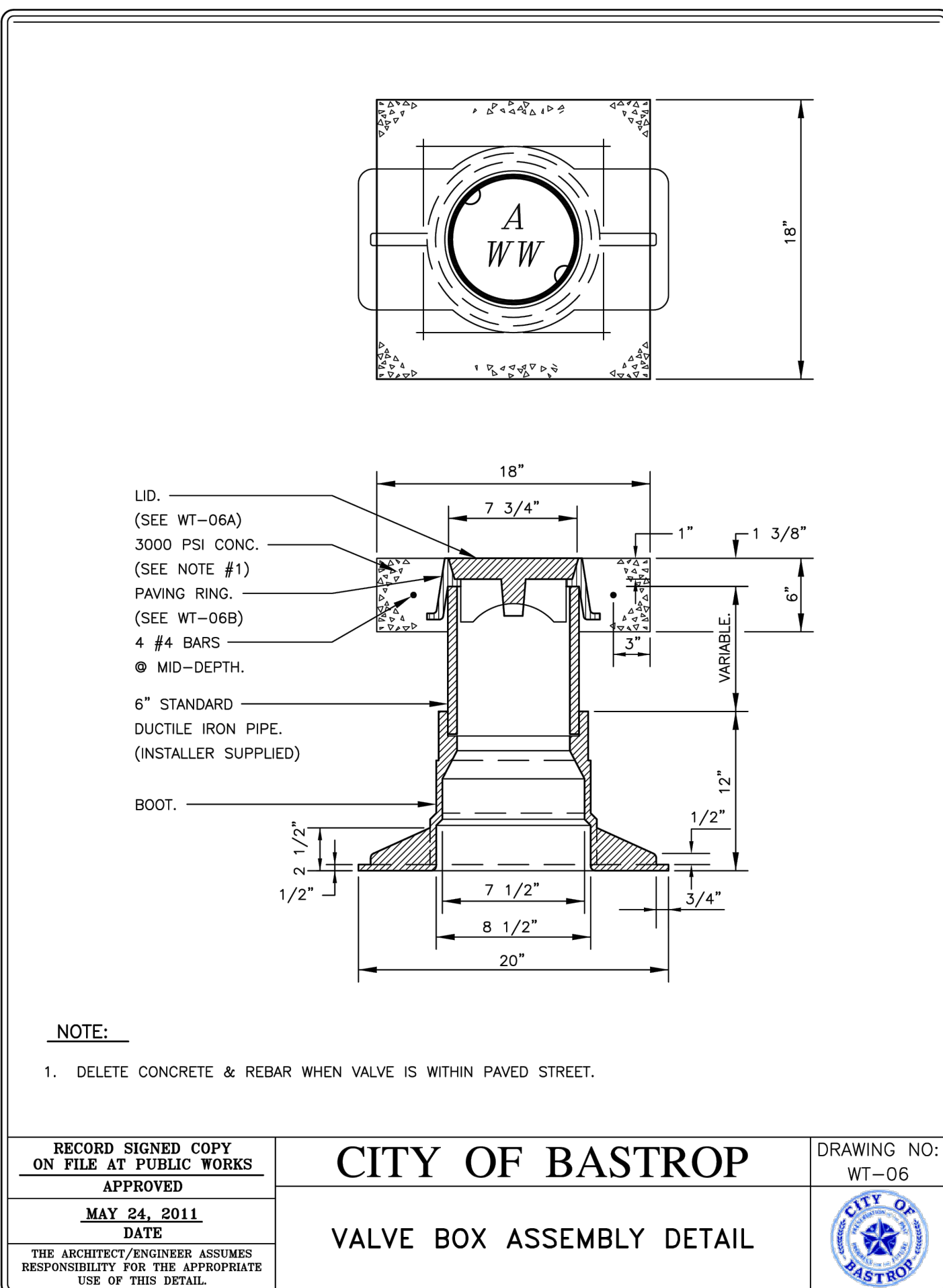
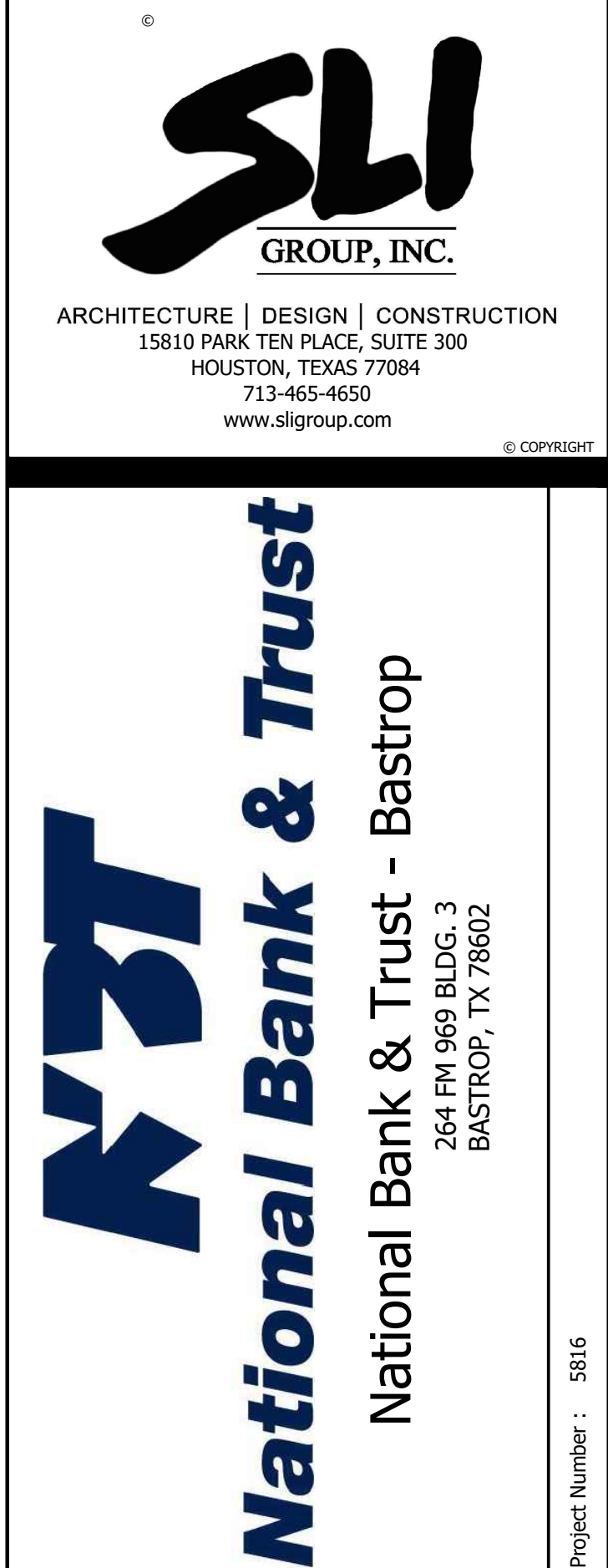
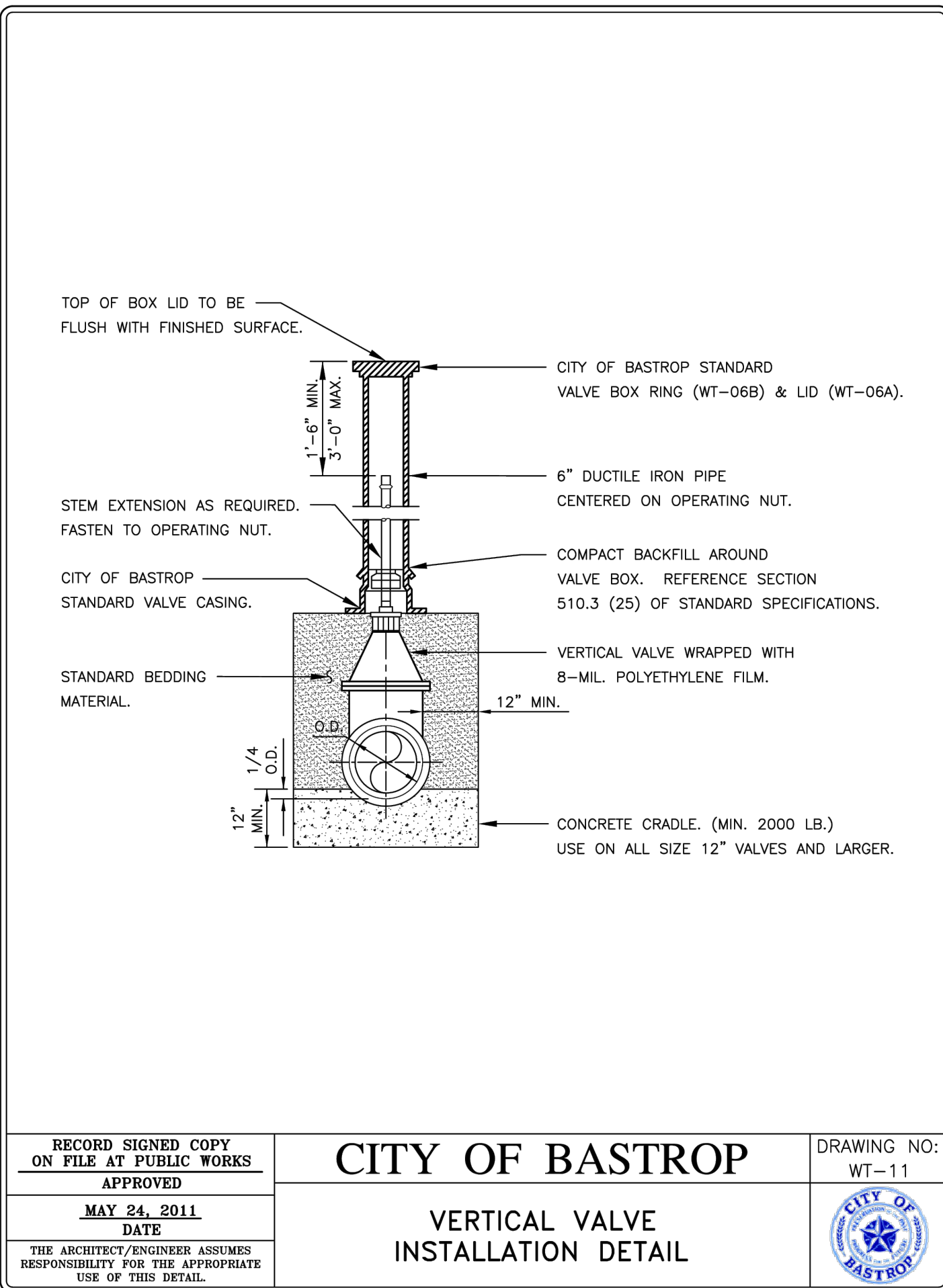
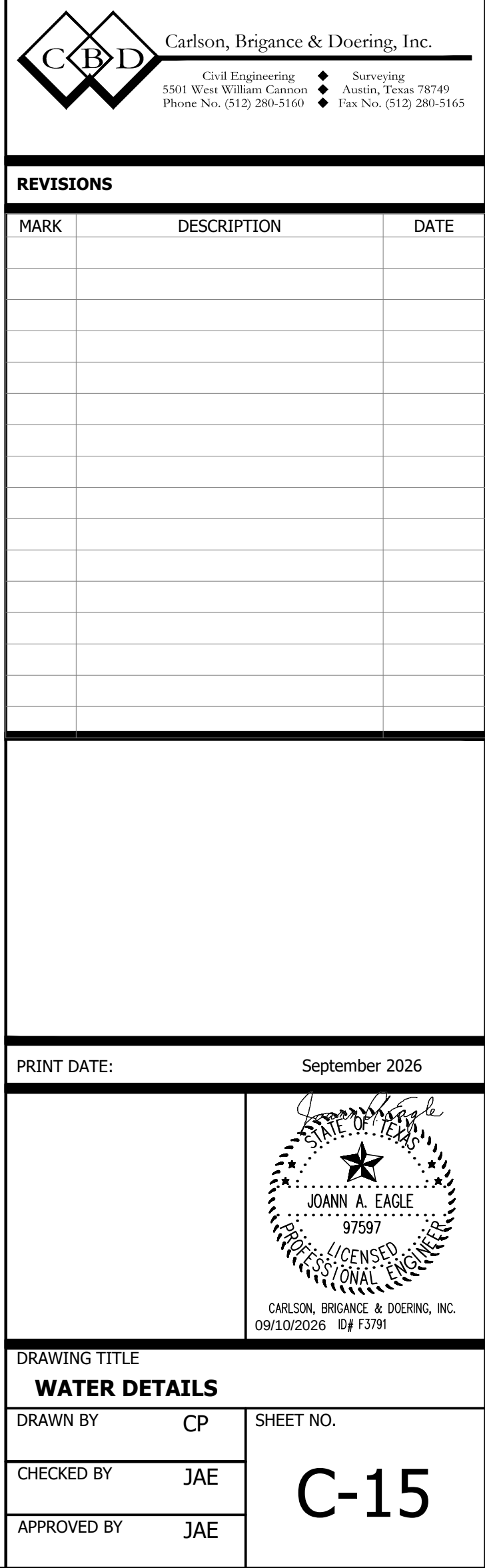


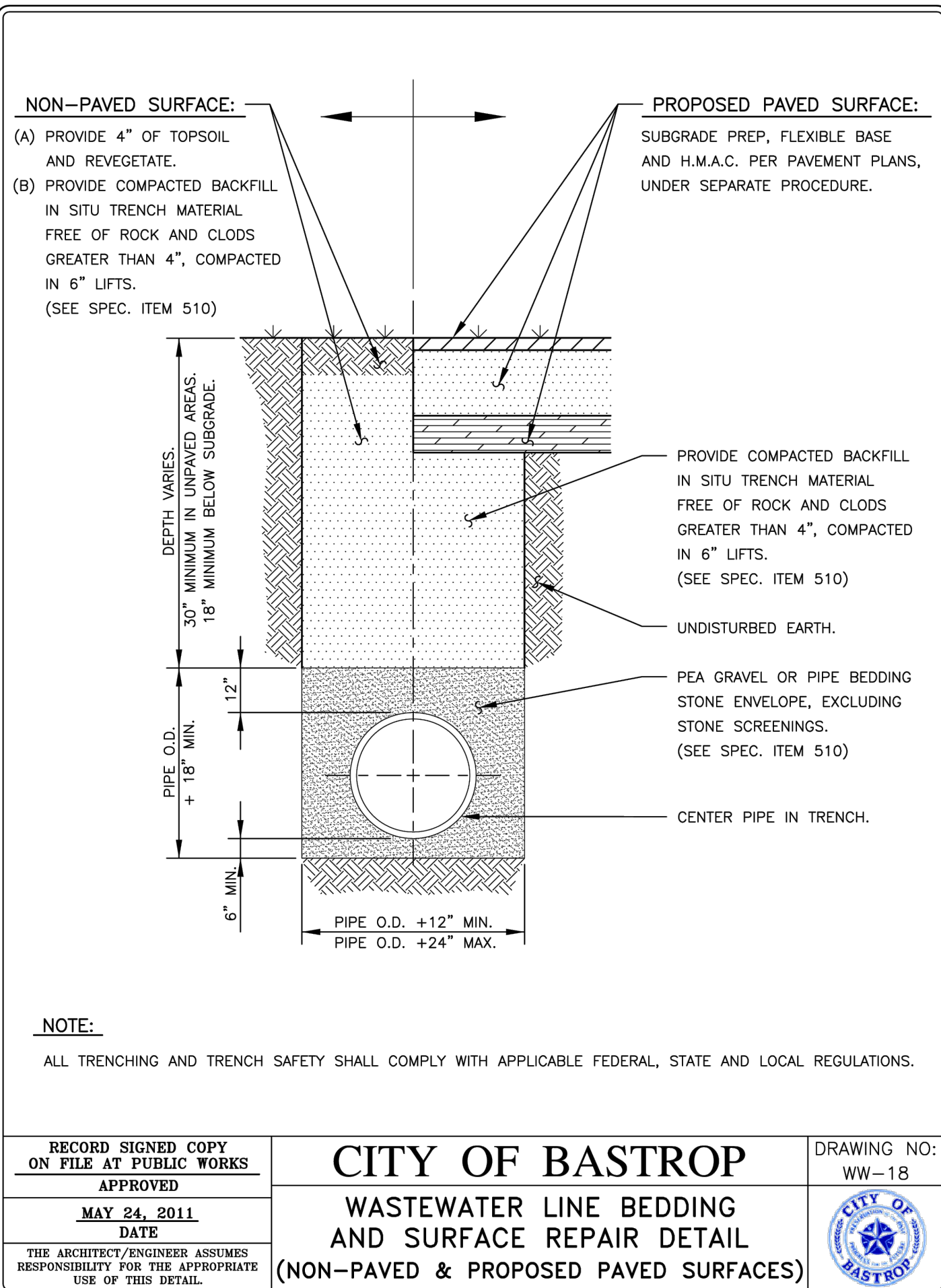
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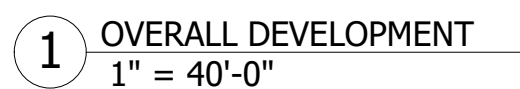
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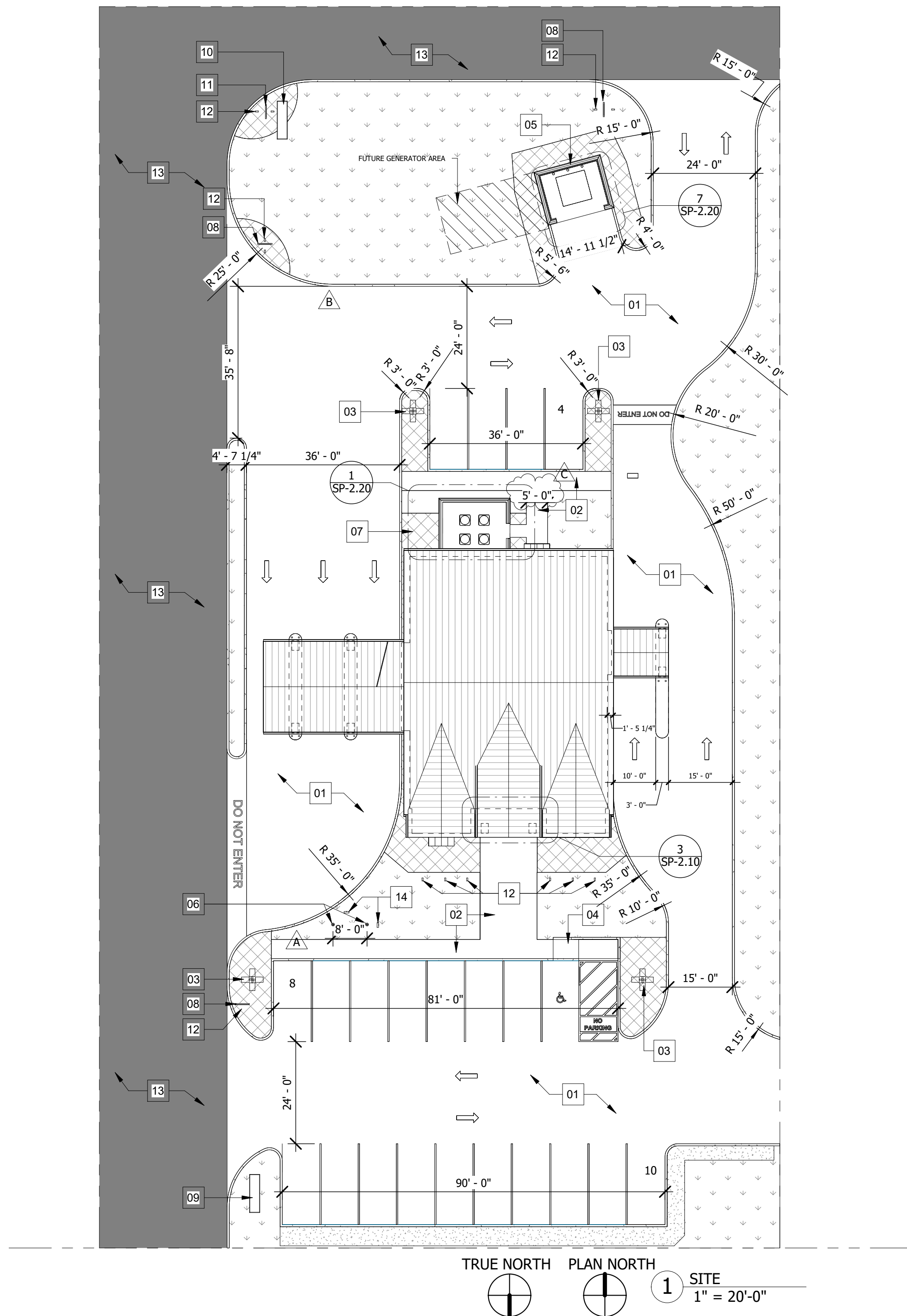
JAF

C-14









GENERAL NOTES

1. ALL MECHANICAL EQUIPMENT TO SCREENED FROM VIEW PER ZONING ORDINANCE.
2. ALL LIGHTING TO COMPLY WITH LIGHTING ORDINANCE. CITY LIGHT-POLLUTION RESTRICTIONS REQUIRE EXTERIOR LIGHTING TO BE 3000K.
3. DEVELOPMENT TO COMPLY WITH ZONING ORDINANCE.
4. ALL PAINTED PARKING STRIPING SHALL BE 4" WHITE.
5. SOIL POISON FOR WEEDS UNDER BUILDING PAD.
6. NEW SIDEWALKS ALONG xxx.
7. "FIRE LANES" SHALL BE MARKED WITH A RED PAINTED LINE AT LEAST FIVE (5) INCHES WIDE AROUND THE PERIMETER THEREOF WITH THE WORDS "FIRE LANE" AND "NO PARKING" IN WHITE LETTERS AT LEAST FOUR (4) INCHES HIGH PAINTED ON THE SURFACE. THE WORDS "FIRE LANE NO PARKING"

SITE KEYED NOTES

NOTE NUMBER	NOTE TEXT
01	CONCRETE PAVING RE: CIVIL DWGS.
02	NEW CONCRETE SIDEWALK RE: CVIIL DWGS.
03	PROPOSED POLE LIGHT FIXTURE RE: ELECTRICAL DWGS.
04	ADA RAMP RE: CIVIL DWGS.
05	NEW DUMPSTER ENCLOSURE RE:SP-2.10
06	FLAGPOLES (2)- WINDSTORM RATED PER LOCAL BUILDING CODE
07	NEW MECHANICAL ENCLOSURE RE:SP-2.10
08	DIRECTIONAL SIGN RE:A-14.10 / A-14.11
09	MONUMENT SIGN RE:A-14.10
10	OPTION - MONUMENT SIGN RE:A-14.10
11	OPTION DIRECTIONAL SIGN RE:A-14.10 / A-14.11
12	DIRECTIONAL SIGN GROUND LIGHTING ON BOTH SIDES
13	EXISTING CONCRETE PAVING
14	FLAGPOLES (2) GROUND LIGHTING

	DATE
ISSUED FOR CLIENT APPROVAL	08.17.2026
ISSUED FOR BIDDING	09.11.2026
ISSUED FOR PERMIT	09.11.2026
ISSUED FOR CONSTRUCTION	

REVISIONS

MARK	DESCRIPTION	DATE
A	ADDENDUM A	09.18.26
B	ADDENDUM B	09.25.26
C	ADDENDUM C	10.07.26

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09/25/26

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SITE PLAN

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cr

APPROVED BY TB

SP-1.10



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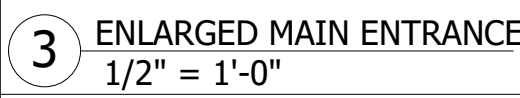
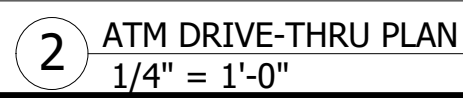
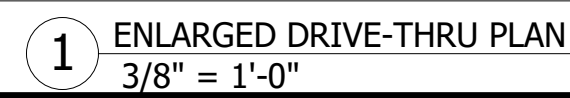


National Bank & Trust

National Bank & Trust - Bastrop

809 SAM HOUSTON DR
BASTROP TX 78602

Project Number : 8989

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09/18/26

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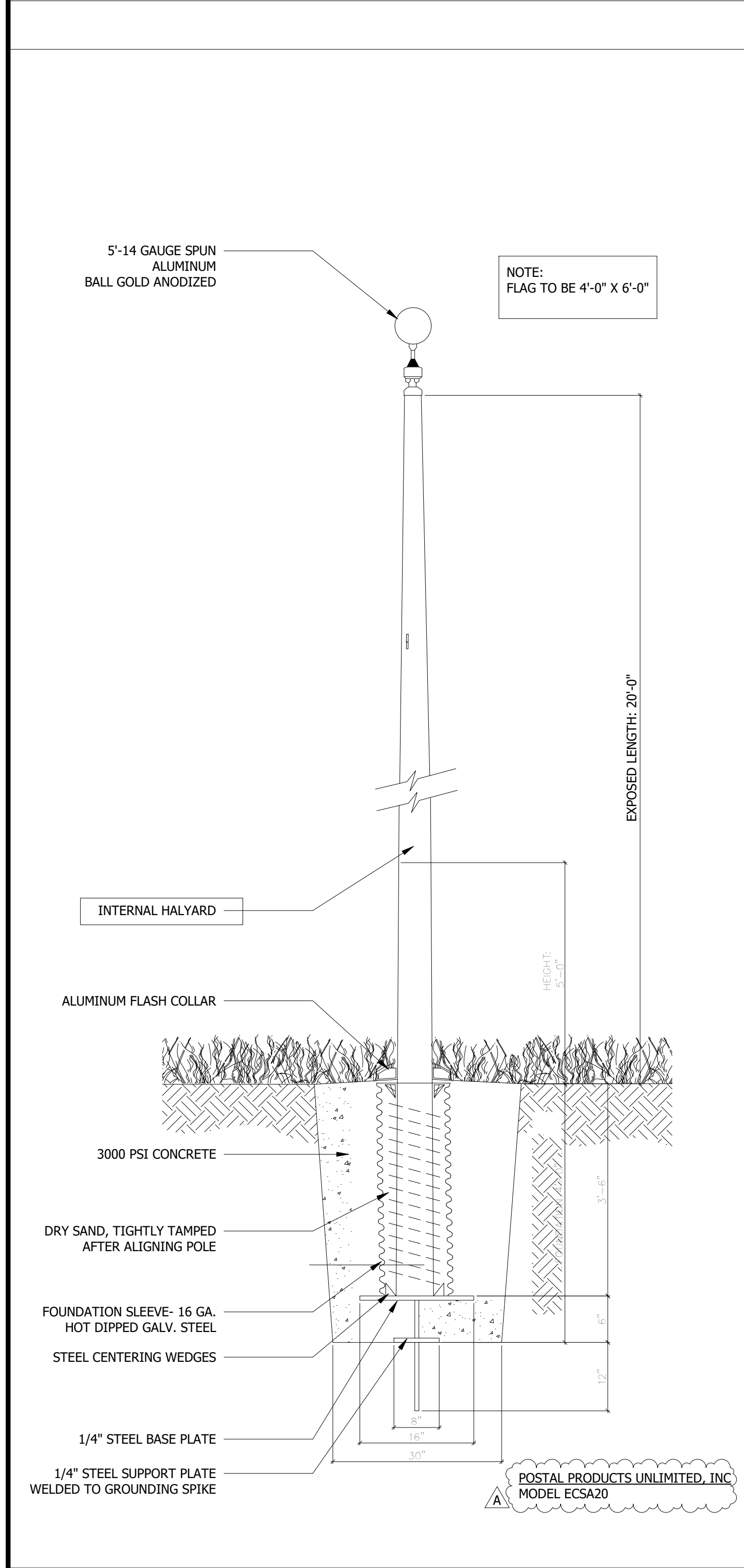
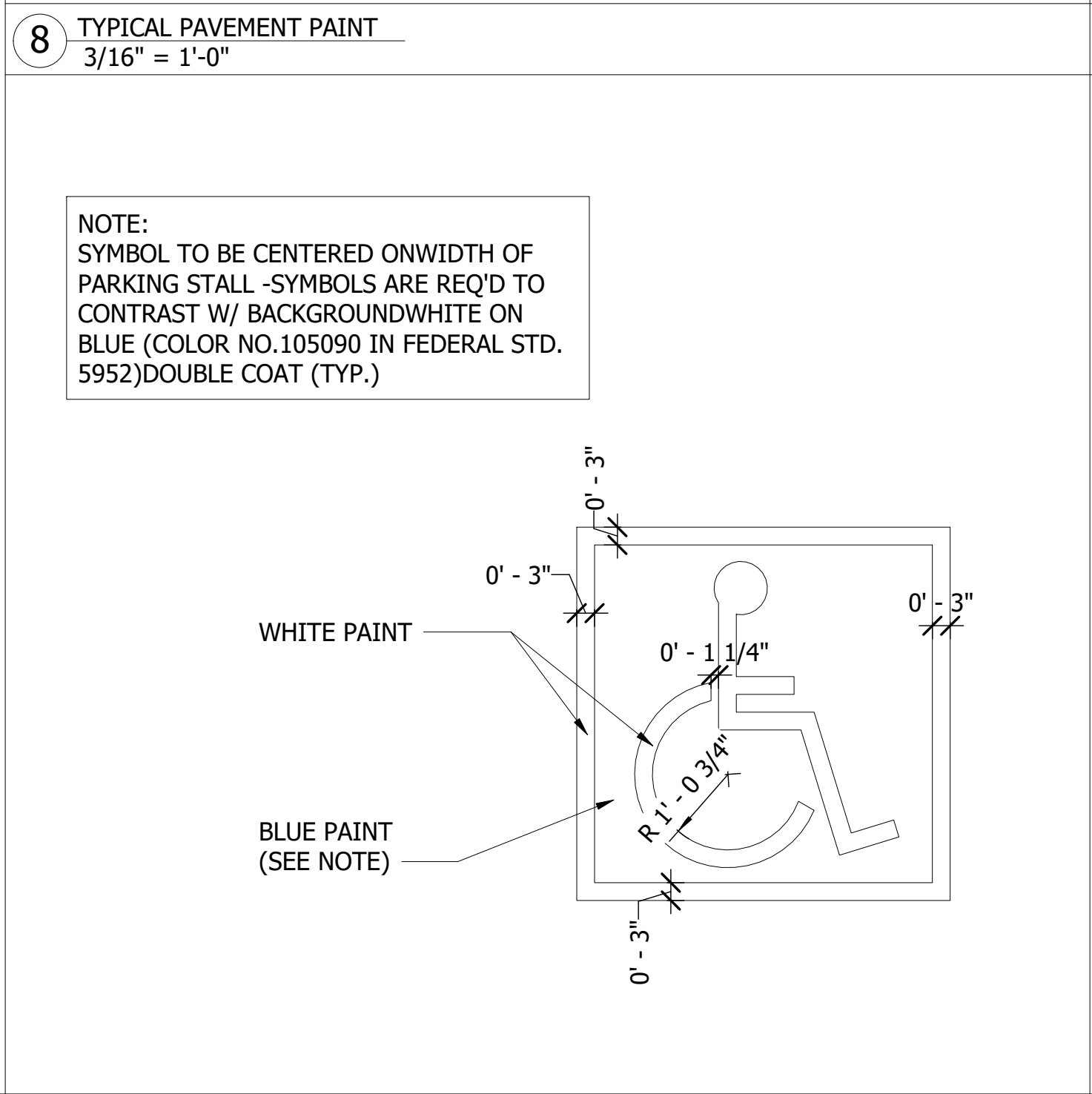
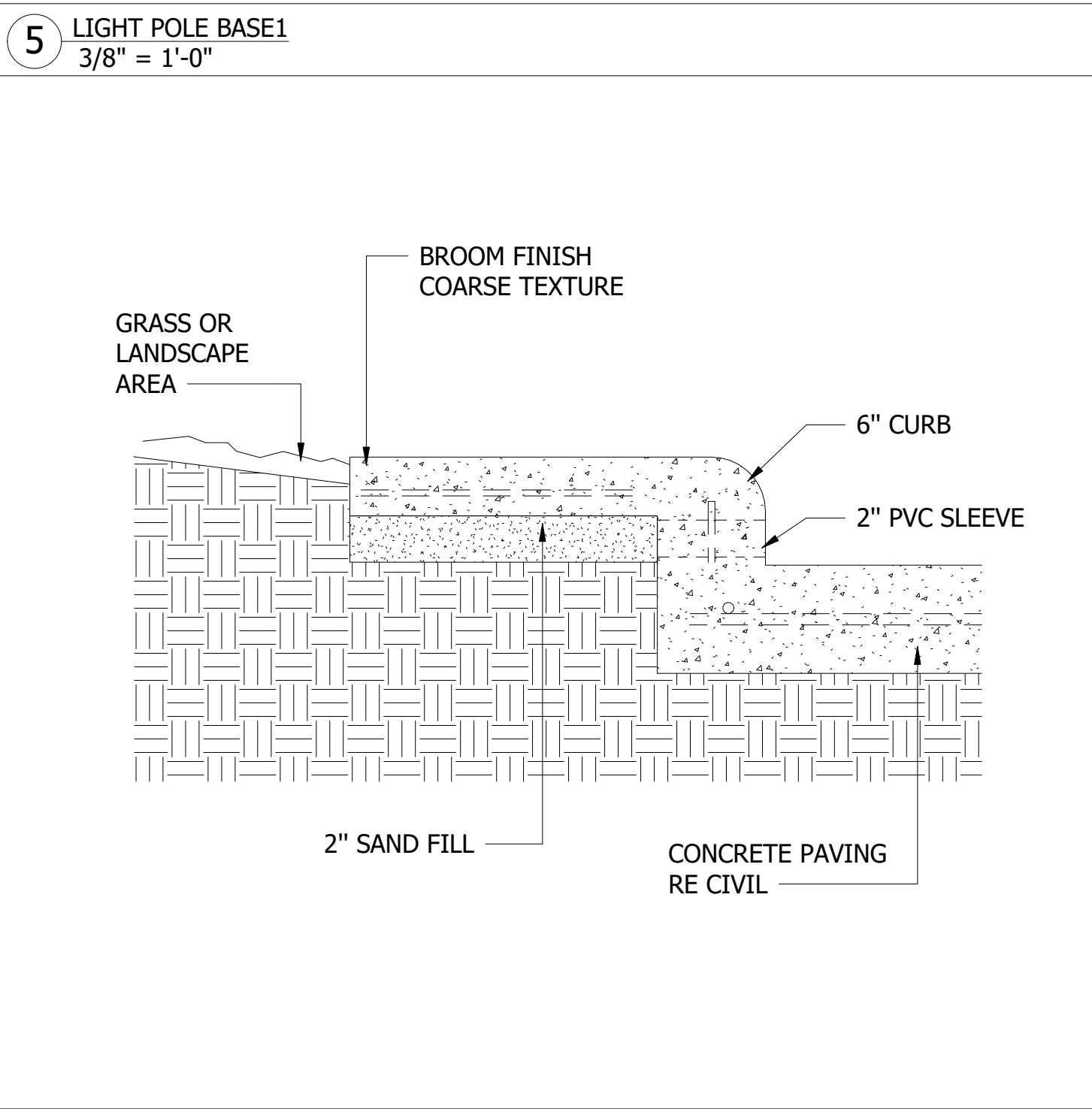
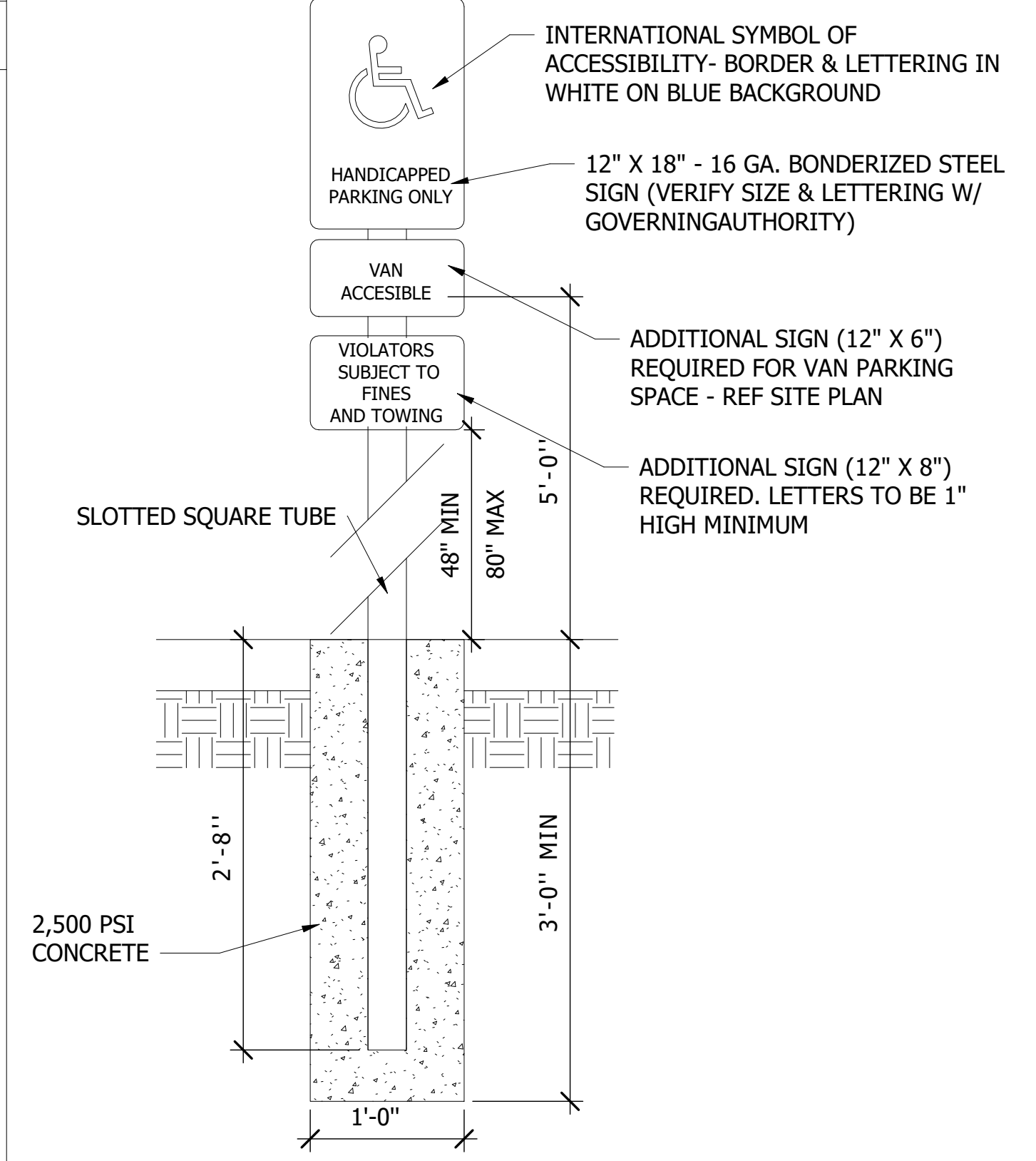
SP-2.10|



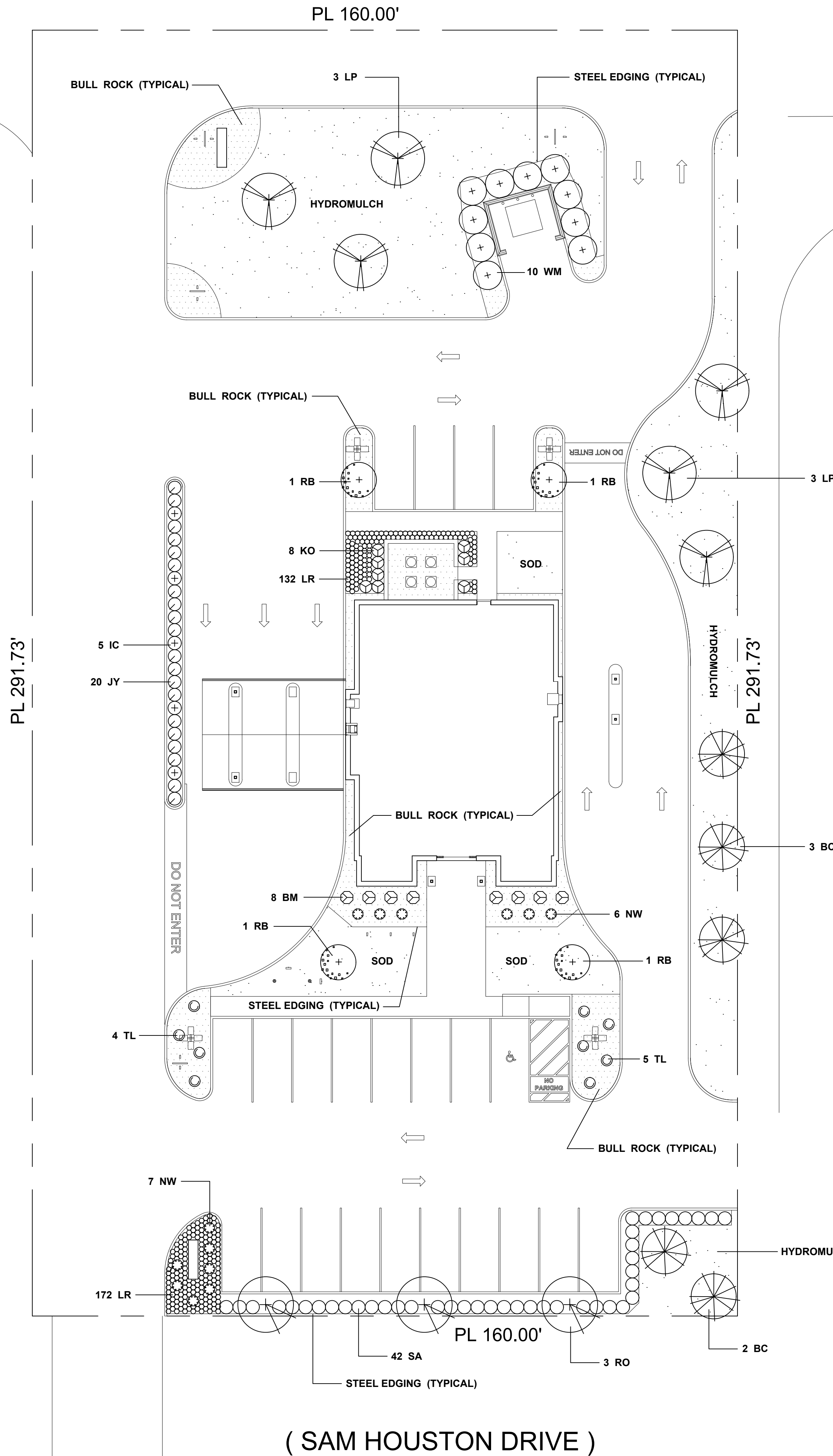
Project Number : 8989

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- NOTES :
- 1.) ALL NEW LANDSCAPE TREES AND SHRUBS TO BE IRRIGATED WITH A PROFESSIONALLY DESIGNED AND INSTALLED AUTOMATIC LANDSCAPE IRRIGATION SYSTEM WITH RAIN AND FREEZE SENSORS. SEE IRRIGATION PLAN TO BE PROVIDED AFTER SITE AND LANDSCAPE PLAN APPROVAL. (IRRIGATION OF HYDROMULCHED TURFGRASS AREAS IS OPTIONAL)
 - 2.) HYDROMULCH ALL CONSTRUCTION DISTURBED TURFGRASS AREAS.



CITY OF BASTROP - LANDSCAPE ANALYSIS FORM			
A.) REQUIRED LANDSCAPE AREA			
TOTAL SITE AREA			46,677 SF
REQUIRED LANDSCAPE AREA	46,677 X .20 (20%) =		9,335 SF
LANDSCAPE AREA PROVIDED			11,016 SF
B.) REQUIRED STREETSCAPE LANDSCAPE AREA			
REQUIRED STREETSCAPE LANDSCAPE AREA	9,335 X .50 (50%) =		4,668 SF
STREETSCAPE LANDSCAPE AREA PROVIDED			1,337 SF
C.) STREETSCAPE TREES			
SAM HOUSTON DRIVE	160.00' / 30 =	5 STREET TREES REQUIRED	
		5 PROVIDED	
D.) STREETSCAPE SCREEN SHRUBS			
SAM HOUSTON DRIVE	42 'SILVERADO' SAGE PROVIDED (36" O.C.)		

PLANT LIST				
QUANT.	SYMBOL	PLANT TYPE	SIZE	NOTES
5	B C	BALD CYPRESS <i>Taxodium distichum</i>	65 GAL. 9" HT. X 4" - 5" SPR. , MATCHING	SINGLE-TRUNK , DOUBLE-STAKED
8	B M	BAMBOO MUHLY <i>Muhlenbergia dumosa</i>	3 GAL.- 5 GAL. 5" O.C. , FULL , HEALTHY, MATCHING	24" HT. MINIMUM
5	I C	ITALIAN CYPRESS <i>Cupressus sempervirens</i>	30 GAL. 9" - 11" HT. X 1" - 1-1/2" SPR. , MATCHING	SINGLE-TRUNK , SINGLE-STAKED
20	J Y	JAPANESE 'YEW' <i>Podocarpus macrophyllus</i>	5 GAL. 3" - 3 1/2" HT. X 1" MIN. SPR.	3" O.C. , FULL , HEALTHY, MATCHING
8	K O	KNOCK-OUT SHRUB 'ROSE' <i>Rosa compacta 'Double Knock-Out'</i>	3 GAL. 2" - 9" O.C. , FULL , HEALTHY, MATCHING	12" - 16" HT. X 14" - 18" SPR.
6	L P	LOBLOLLY PINE <i>Pinus taeda</i>	65 GAL. 3" CAL. MIN.	SINGLE-TRUNK , DOUBLE-STAKED
319	L R	LIRIOPE, 'BIG BLUE' <i>Liriope spicata 'Big Blue'</i>	1 GAL. 13" O.C. , FULL , HEALTHY, MATCHING	6" - 8" HT. X 6" - 8" SPR.
13	N W	PINK 'SHRUB' ROSE, 'NEARLY WILD' <i>Rosa compacta 'Nearly Wild'</i>	3 GAL. 5" O.C. , FULL , HEALTHY, MATCHING	12" - 16" HT. X 14" - 18" SPR.
4	R B	REDBUD <i>Cercis canadensis texensis</i>	30 GAL. 9" - 10" HT. X 4" - 5" SPR.	SINGLE-TRUNK , DOUBLE-STAKED
3	R O	SHUMARD RED OAK <i>Quercus shumardii</i>	65 GAL. 3" CAL. MIN.	SINGLE-TRUNK , DOUBLE-STAKED
42	S A	SAGE, 'SILVERADO' <i>Leucophyllum frutescens 'Silverado'</i>	3 GAL.- 5 GAL. 3" O.C. , FULL , HEALTHY, MATCHING	24" - 28" HT. X 18" - 22" SPR.
9	T L	TEXAS LANTANA <i>Lantana urticoides</i>	3 GAL.- 5 GAL. FULL , HEALTHY, MATCHING	14" HT. MINIMUM
10	W M	WAX MYRTLE <i>Myrica cerifera</i>	15 GAL. 6" - 8" O.C. , FOLIAGE FULL TO GROUND	4.5' HT. X 3' SPR. MINIMUM
6,325	HYDRO	PRAIRIE 'BUFFALO' GRASS <i>Bouteloua dactyloides 'prairie'</i>	SQ. FT.	WITH GREEN CELLULOSE FIBER AND FERTILIZER , APPLY WHERE INDICATED
137	SOD	BUFFALO GRASS <i>Bouteloua dactyloides</i>	SQ. YD.	SOLID SOD , ROLLED

LEGEND		
5	BC	BALD CYPRESS
6	LP	LOBLOLLY PINE
3	RO	SHUMARD RED OAK
4	RB	TEXAS RED BUD
10	WM	WAX MYRTLE
5	IC	ITALIAN CYPRESS
8	BM	BAMBOO MUHLY
20	JY	JAPANESE YEW
8	KO	RED 'KNOCK-OUT' ROSE
13	NW	PINK 'NEARLY WILD' ROSE
42	SA	'SILVERADO' SAGE
9	TL	TEXAS LANTANA
319	LR	'BIG BLUE' LIRIOPE
SOD 137 sy HYDRO 6,325 sf		BUFFALO GRASS
		BULL ROCK

COLOR CODE
FOR MARKING
UNDERGROUND UTILITY LINES

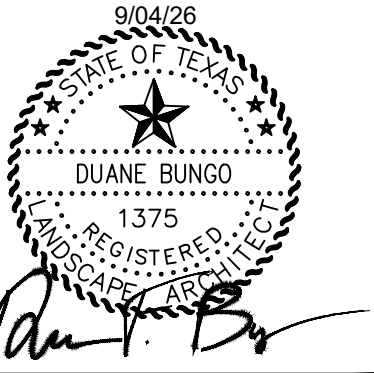
- ELECTRIC
- GAS-OIL-STEAM
- COMMUNICATION CATV
- WATER
- SEWER
- PROPOSED EXCAVATION

811 Know what's below.
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INTEGRATED LANDSCAPE
ARCHITECTURE, LLC
765 LONG WOOD AVENUE
LAKEWAY, TEXAS 78734
E-MAIL : INFO@LANDARCHTX.COM
PHONE : 713-973-7851

CERTIFICATION AND SEAL
I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF TEXAS AS SIGNED BY MY HAND AND SEAL.
DUANE F. BUNGO TX REG- 1375
EXP: 10/31/2026



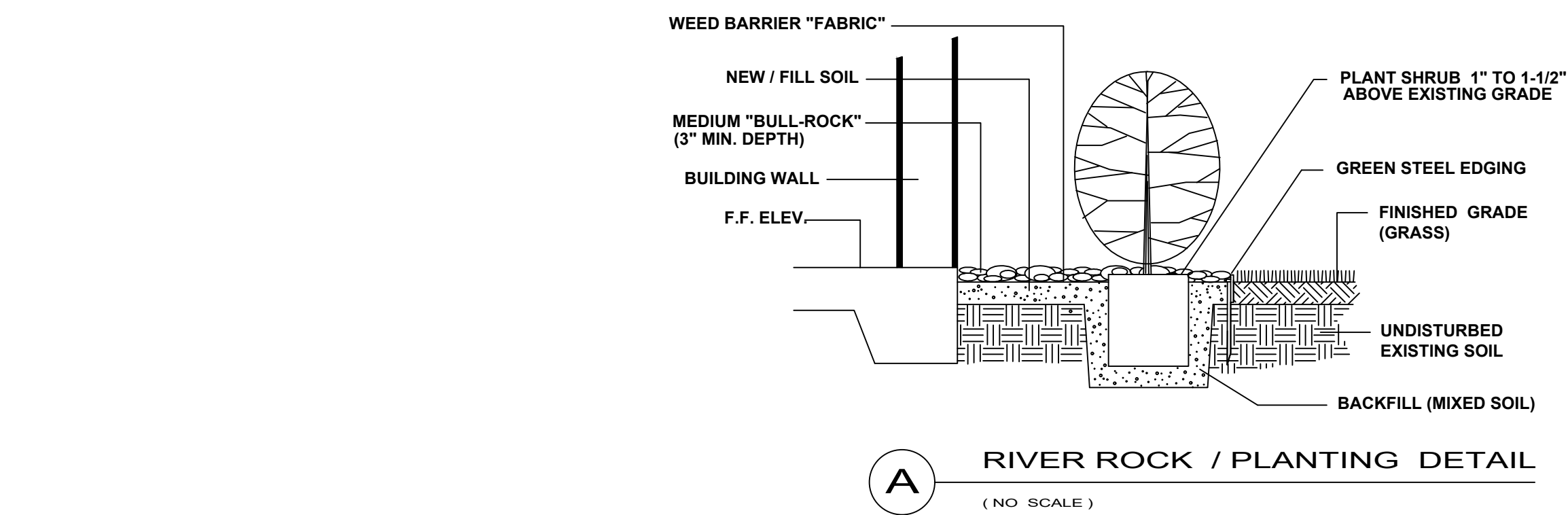
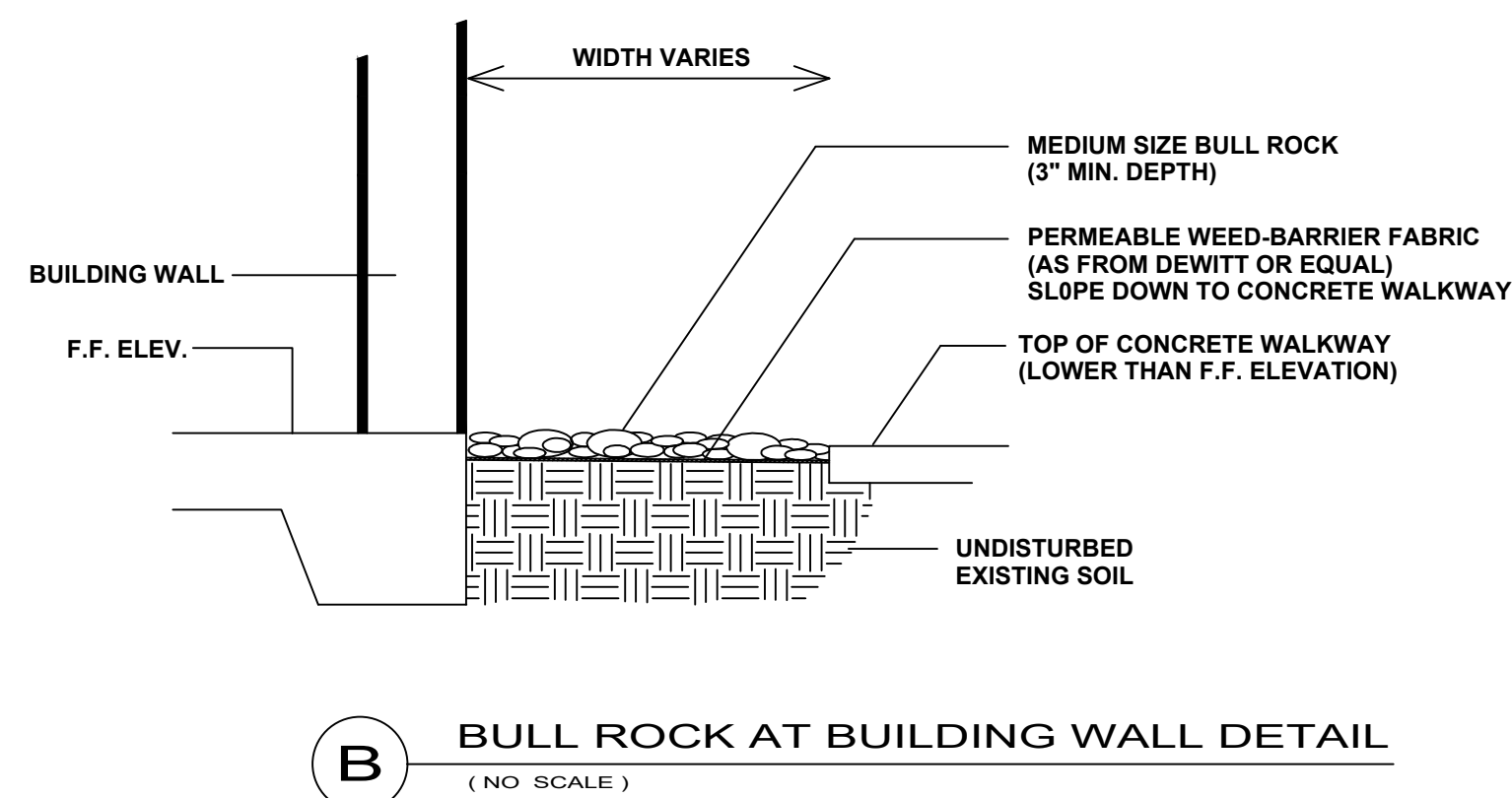
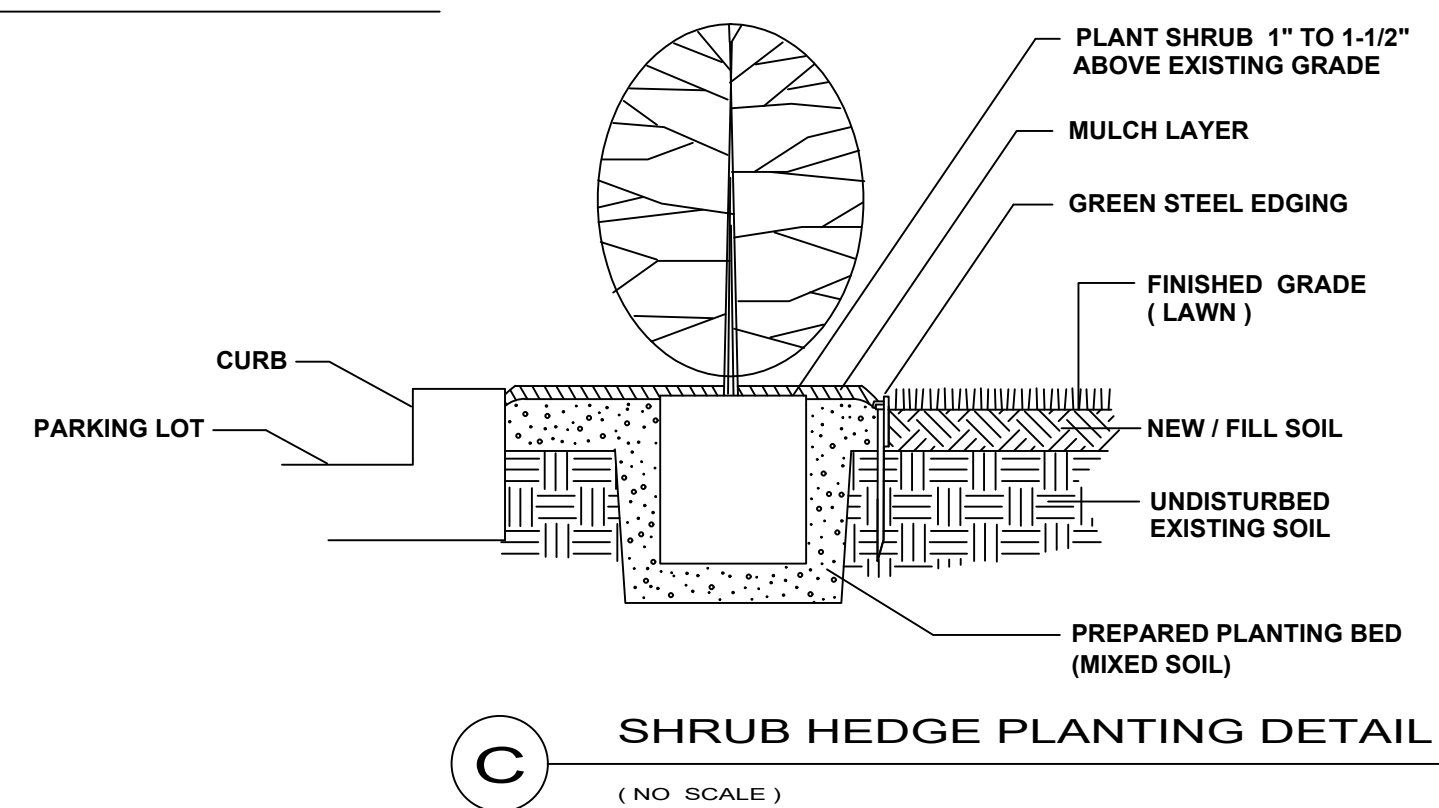
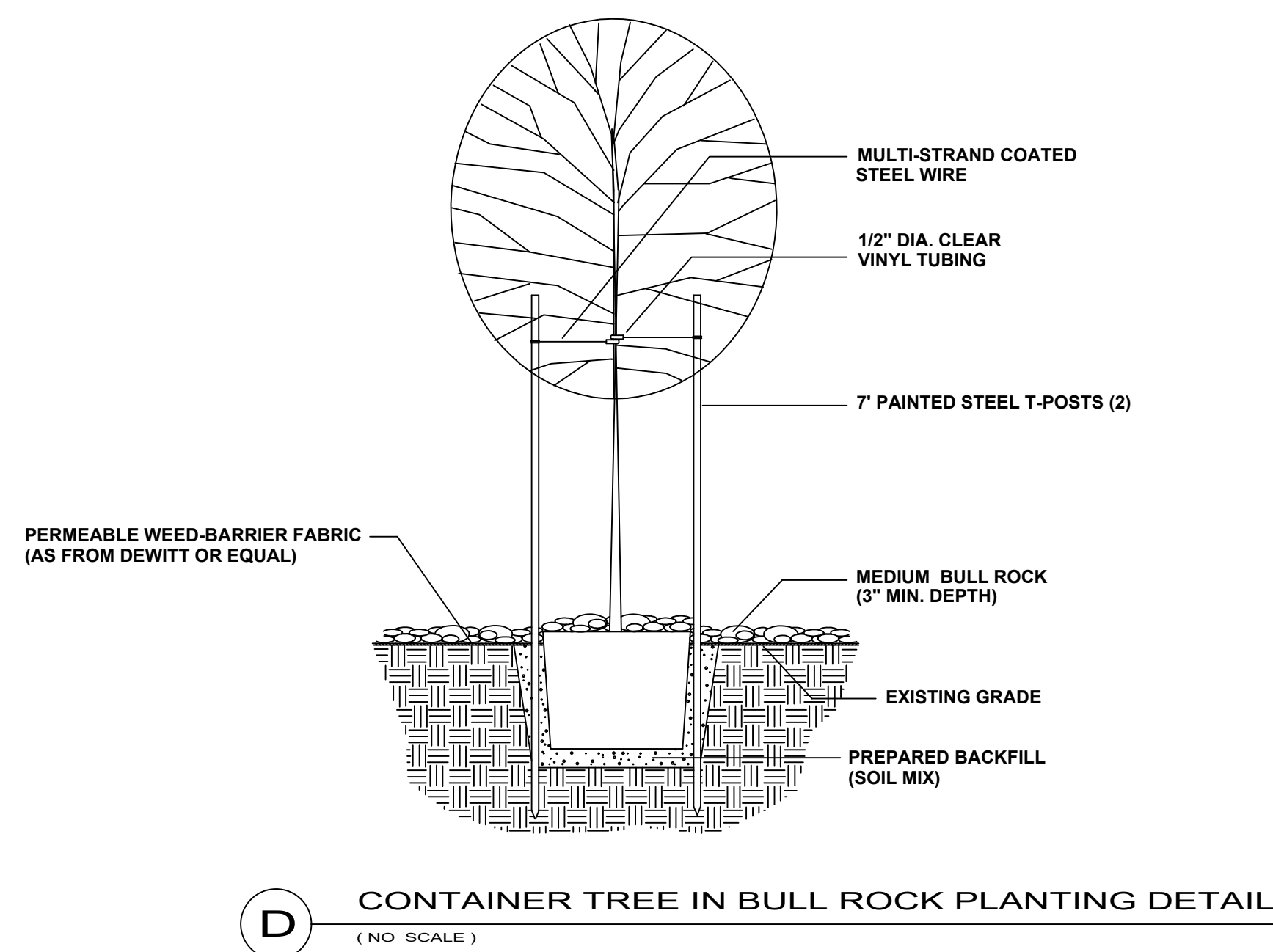
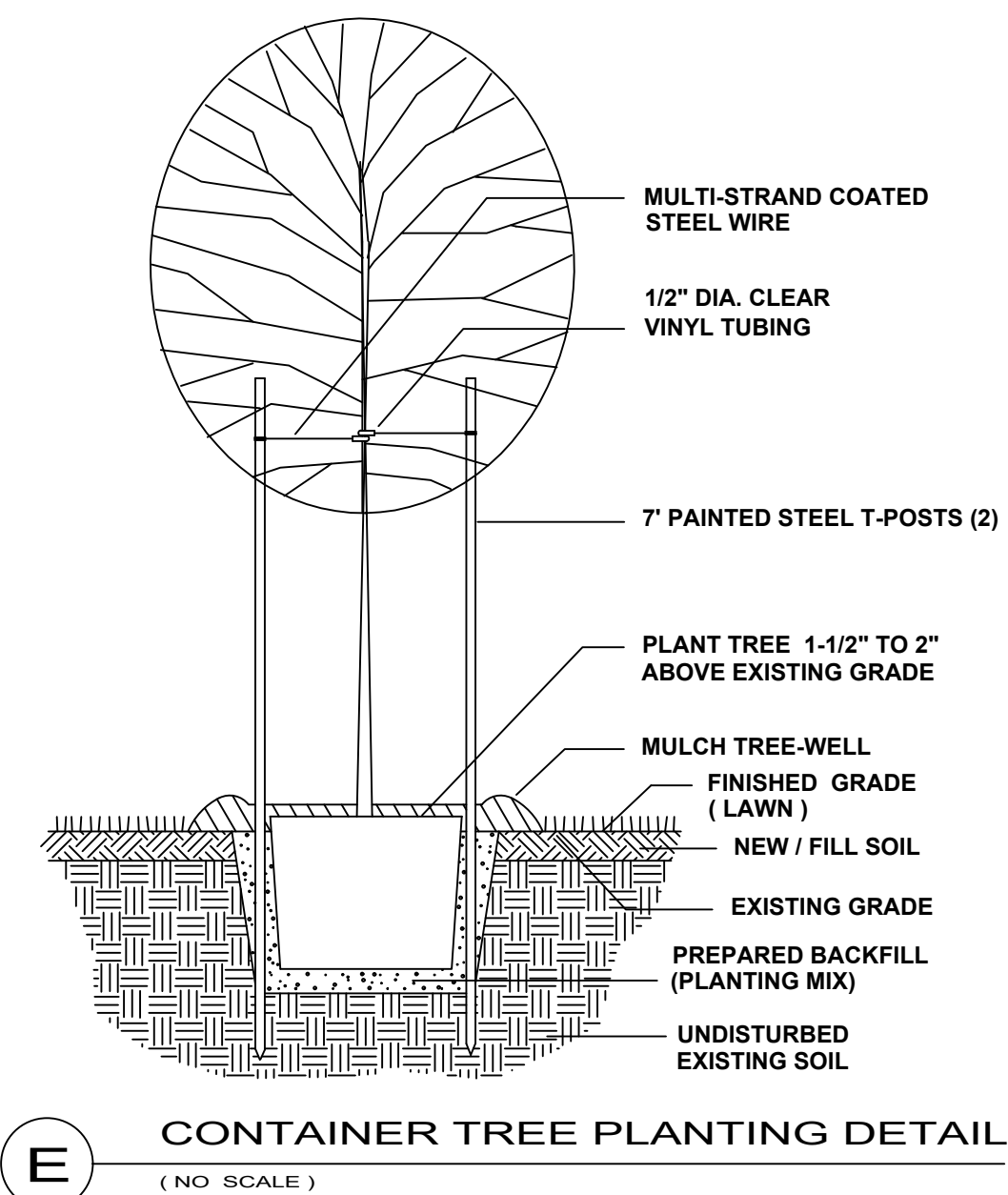
ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
1	08/05/26	ISSUE FOR REVIEW
2	08/20/26	ISSUE FOR REVIEW
3	09/04/26	ISSUE FOR PERMIT & BID

NATIONAL BANK & TRUST
SAM HOUSTON DRIVE, BASTROP , TEXAS

Landscape
Plan

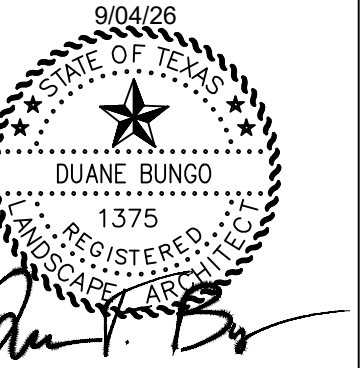
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L1





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DAVID F. BUNGO TX REG: 1375
DATE: 10/31/2026

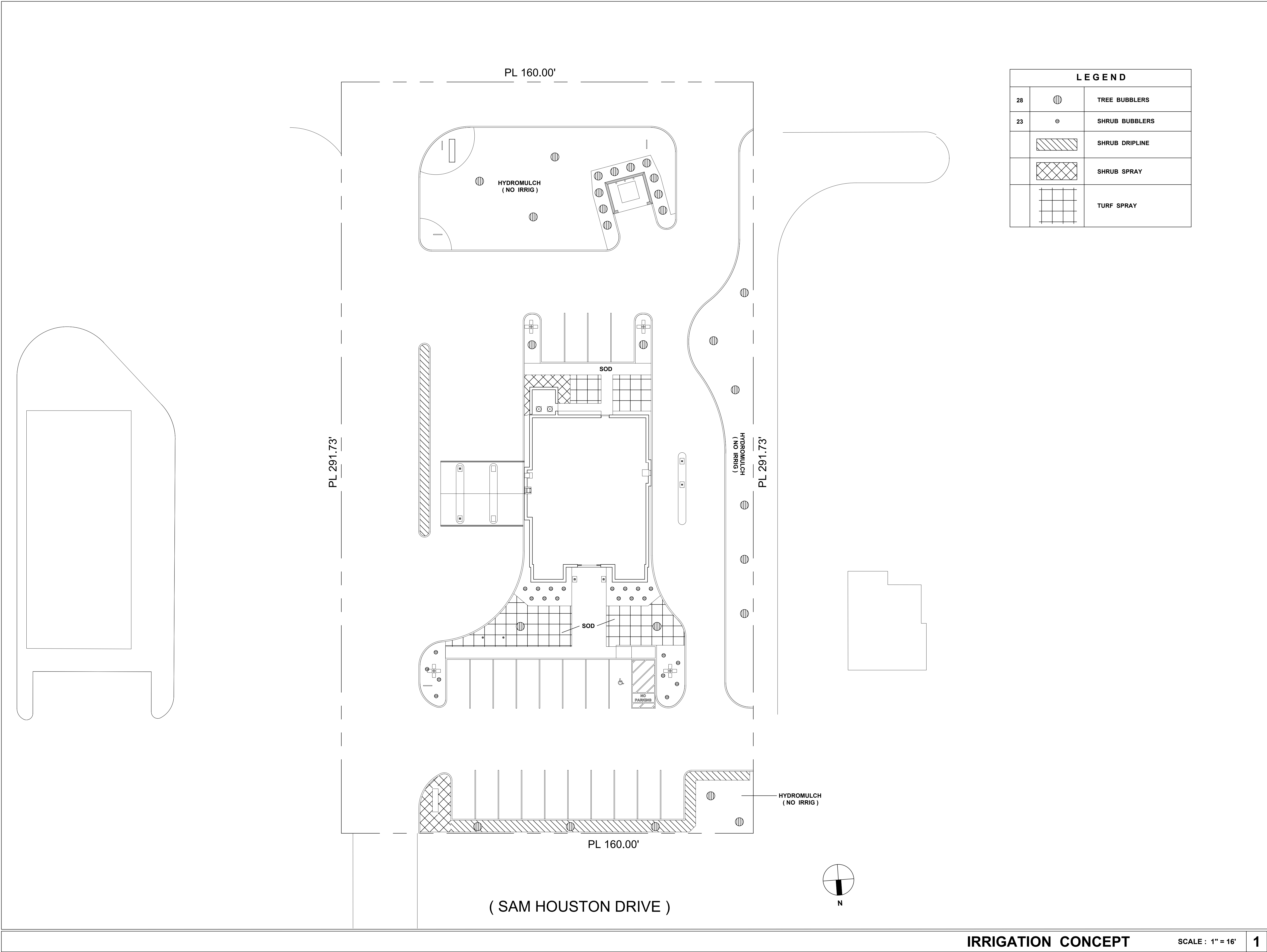
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SAM HOUSTON DRIVE, BASTROP, TEXAS

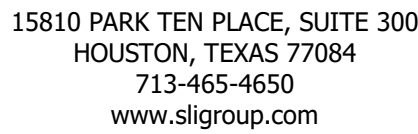
Irrigation Concept

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IR1



1. NOTIFY ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS.
2. ALL DIMENSIONS ARE TO FINISHED FACE OF PARTITIONS; RE: A-3.0 FOR PARTITION WIDTHS.
3. ALL PARTITIONS TO BE TYPE "A1" UNLESS NOTED OTHERWISE.
4. ALL COLUMNS TO BE TYPE "E1" UNLESS NOTED OTHERWISE.
5. ALL DOORS ON ACCESSIBLE ROUTES SHALL HAVE A MIN. OF 18" CLEAR ON THE PULL SIDE AND A MIN. OF 12" CLEAR ON THE PUSH SIDE WHEN DOOR IS EQUIPPED WITH BOTH A LATCH AND A CLOSER.
6. FIRE EXTINGUISHERS ARE TO BE 10 LB. ABC TYPE, AND LOCATED AS SHOWN.
7. REFER TO SHEET A-2.0 FOR DOOR, WINDOW, AND HARDWARE SCHEDULES AND INFORMATION.
8. ADD BLOCKING BEHIND ALL GRAB BARS AND BATHROOM ACCESSORIES.



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264 FM 969 BLDG. 3
BASTROP, TX 78602

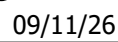
Project Number : 8989

	DATE
ISSUED FOR CLIENT APPROVAL	08.17.2026
ISSUED FOR BIDDING	09.11.2026
ISSUED FOR PERMIT	09.11.2026
ISSUED FOR CONSTRUCTION	

[illegible]

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DRAWING TITLE

FLOOR PLAN

DRAWN BY

CHECKED BY

A-1.00

1 ANNOTATED PLAN
1/4" = 1'-0"

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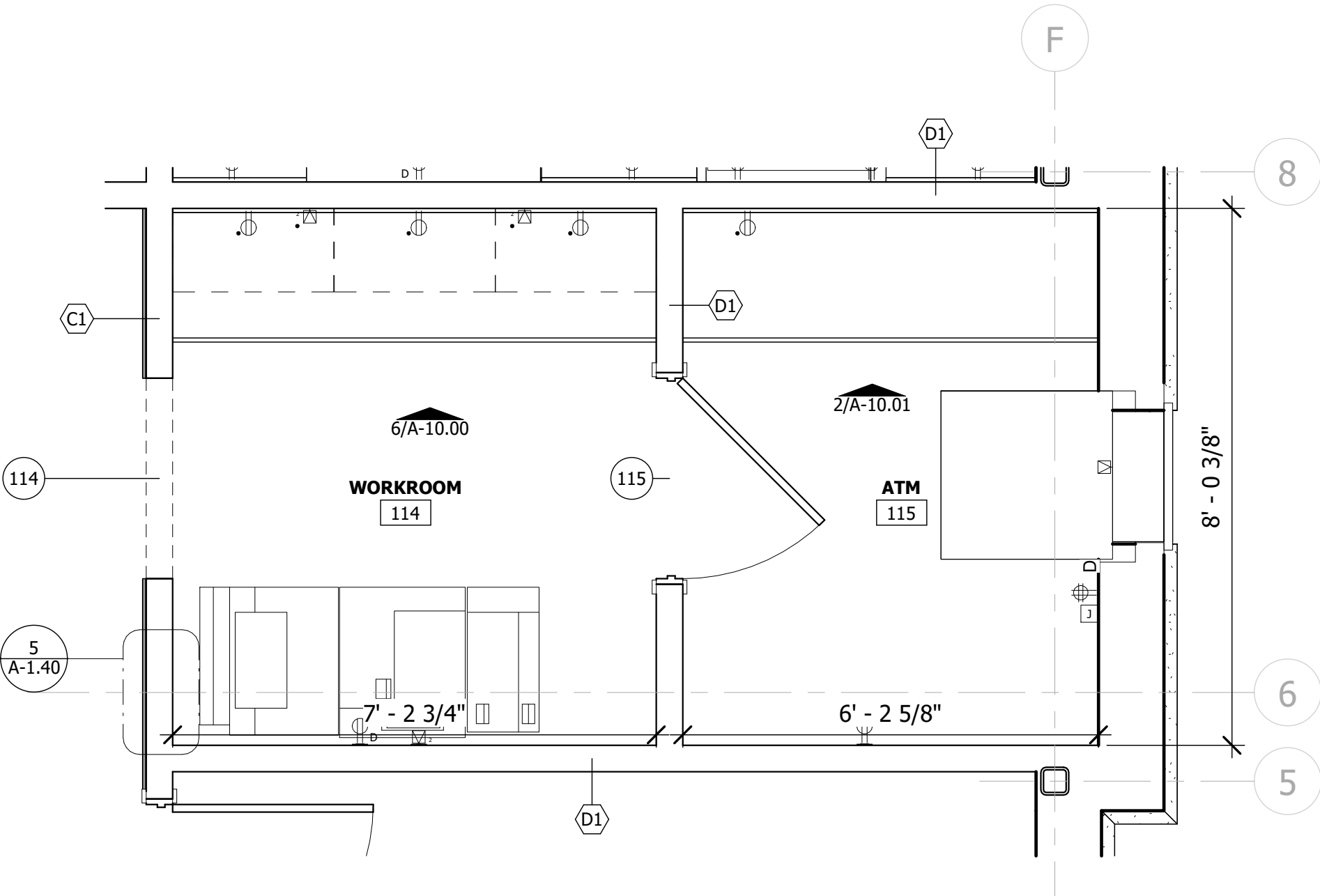
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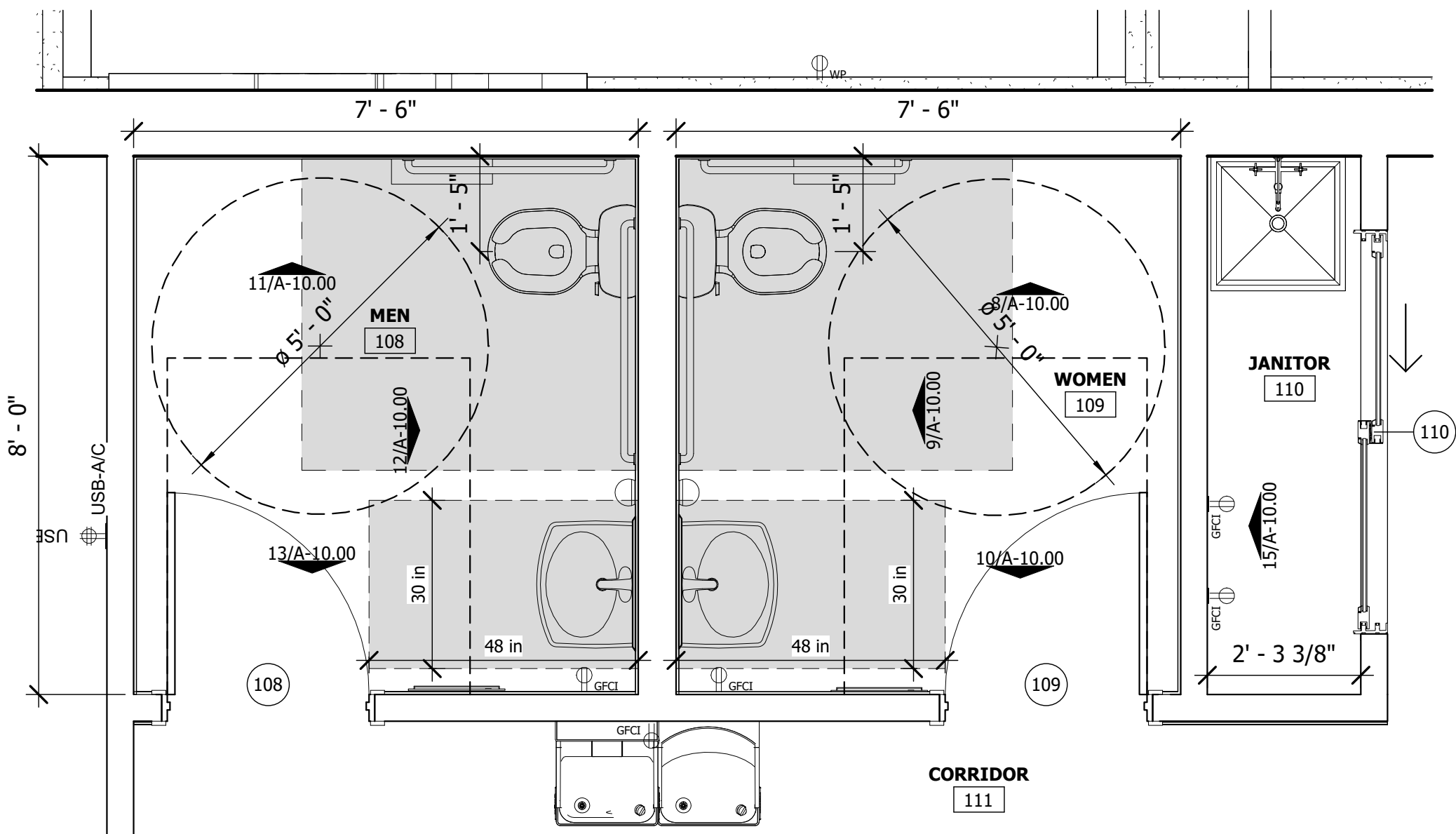
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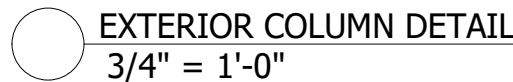
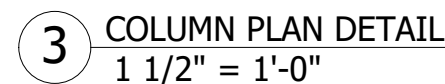
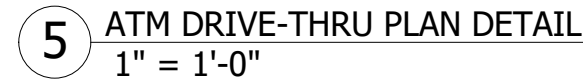
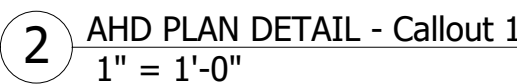
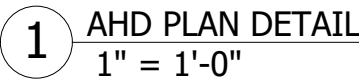
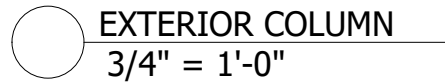
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2 LEVEL 1 - ANNOTATED PLAN - Callout 2
1/2" = 1'-0"





5/8" GYP.

3/4" PLY.

6

0' - 2 3/4"

0' - 7 3/4"

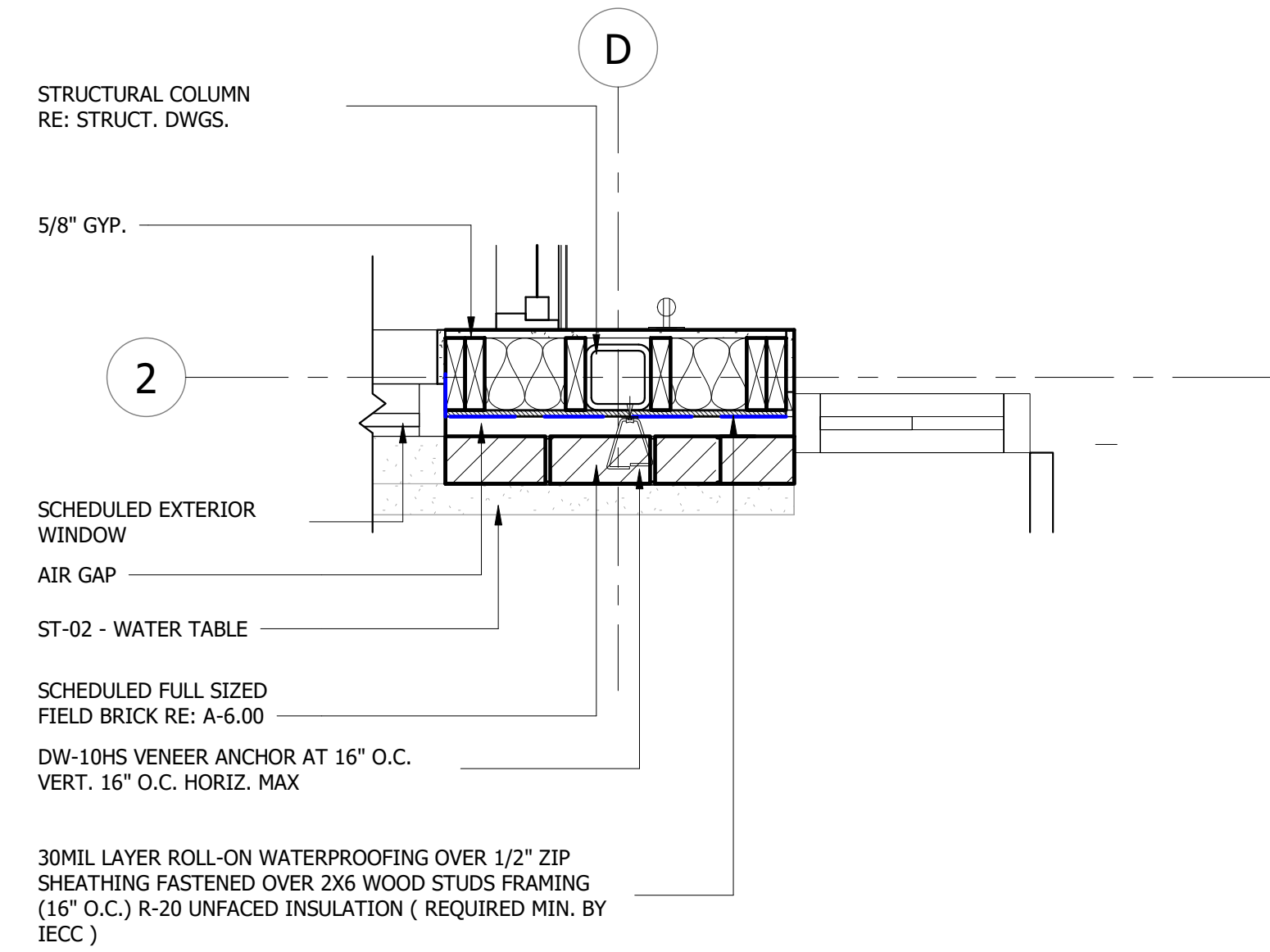
0' - 3 7/8"

5/8" GYP.

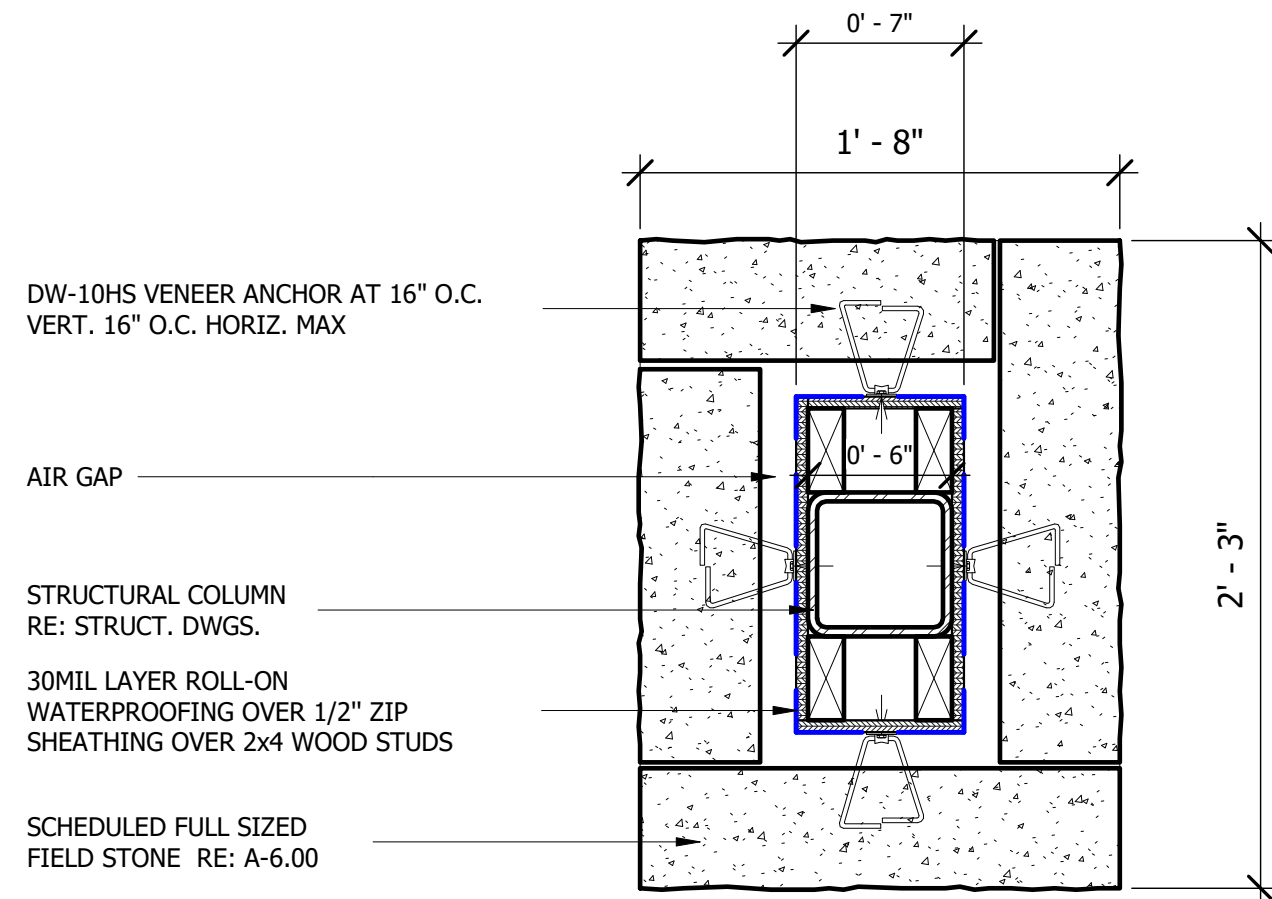
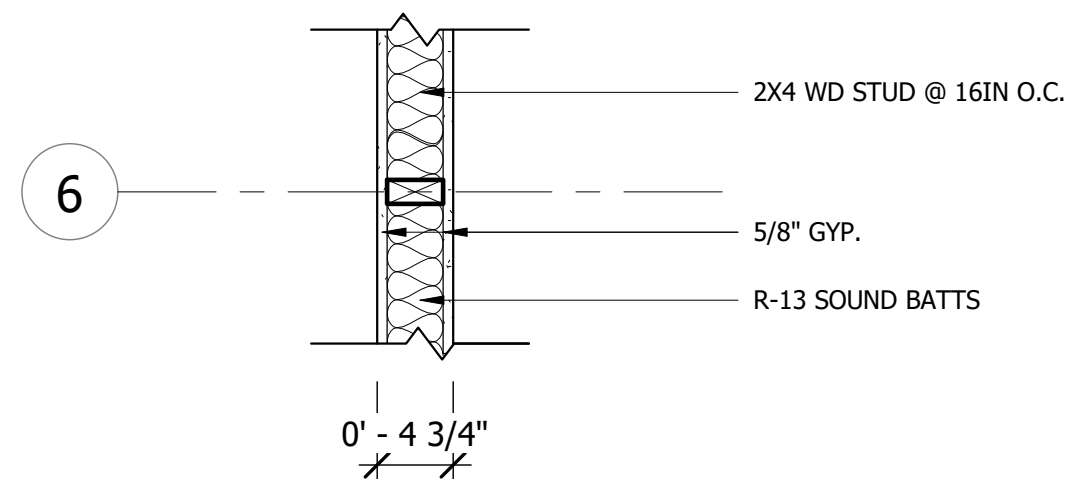
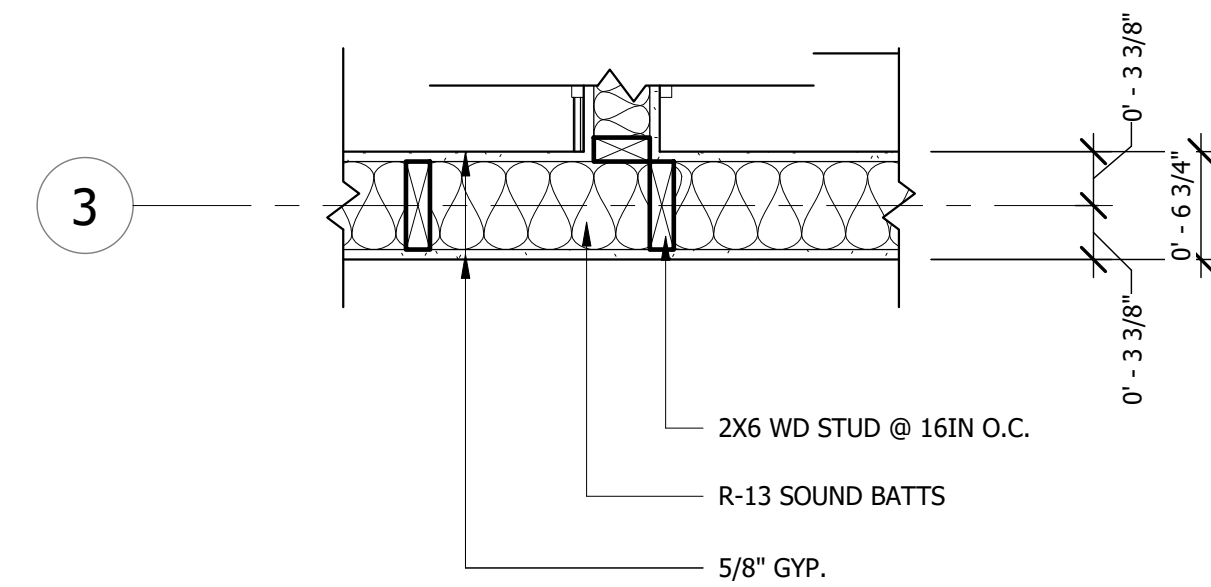
STRUCTURAL COLUMN
RE: STRUCT. DWGS.

2X4 WD STUD @ 16IN O.C.

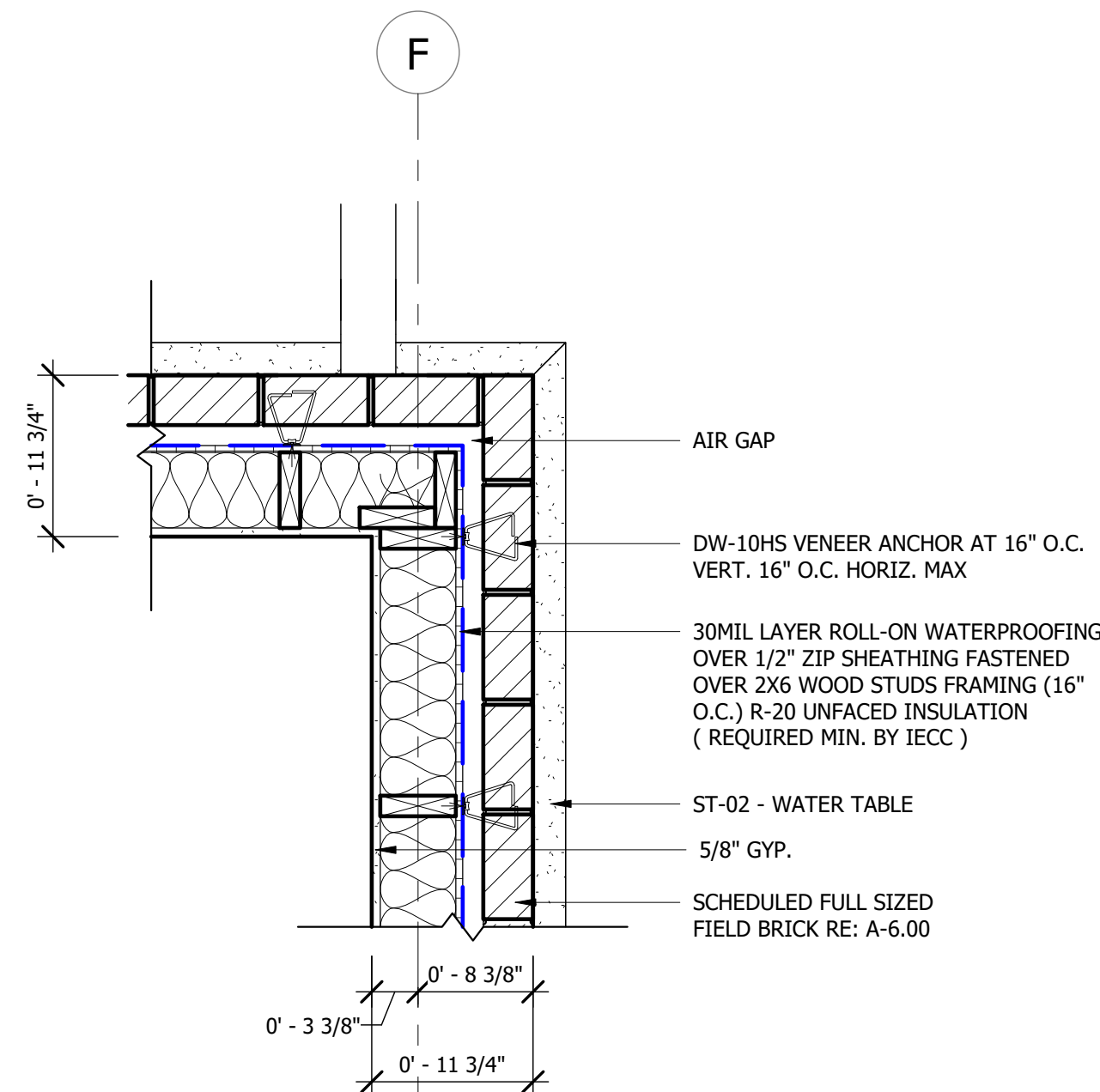
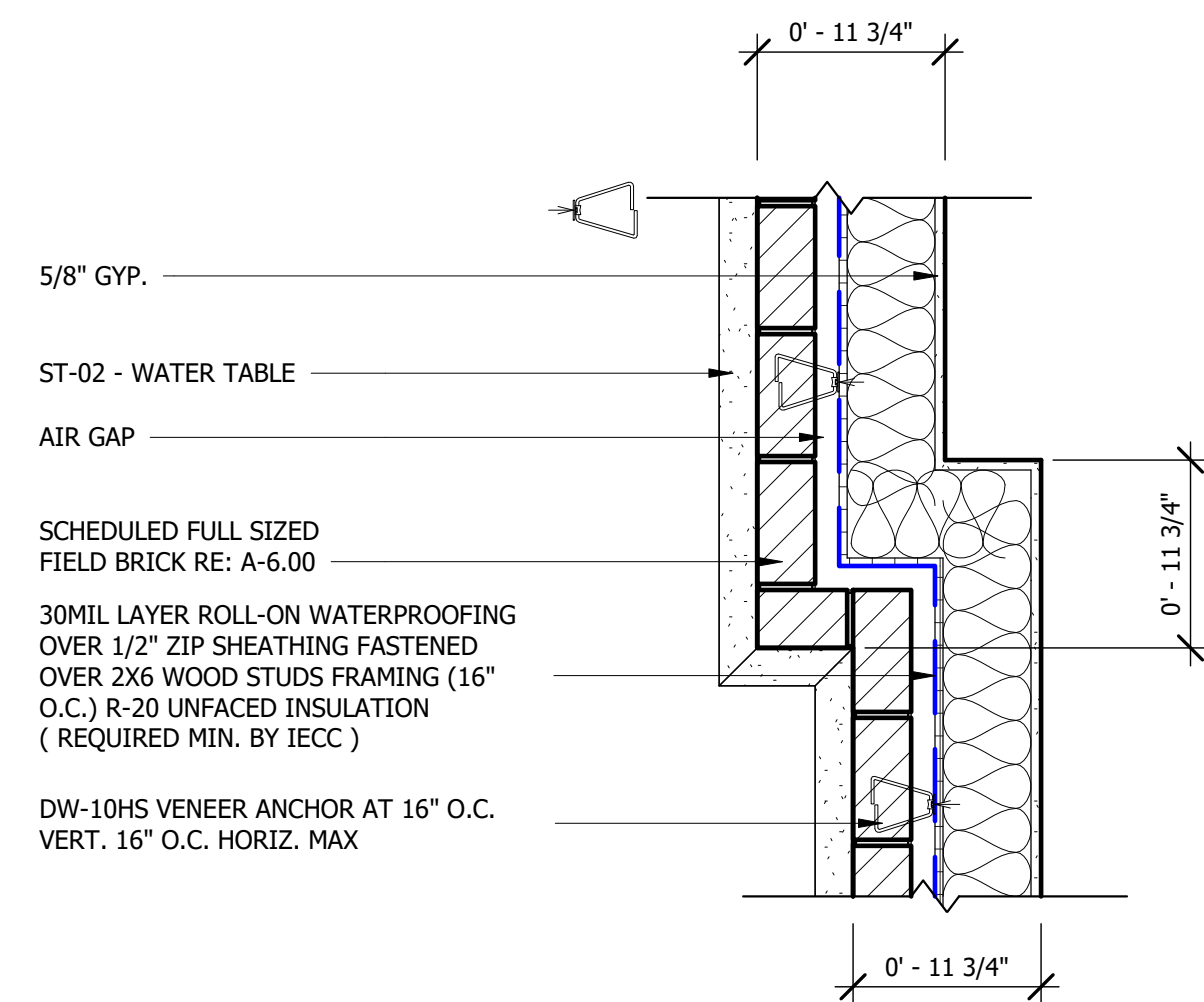
R-13 SOUND BATTS



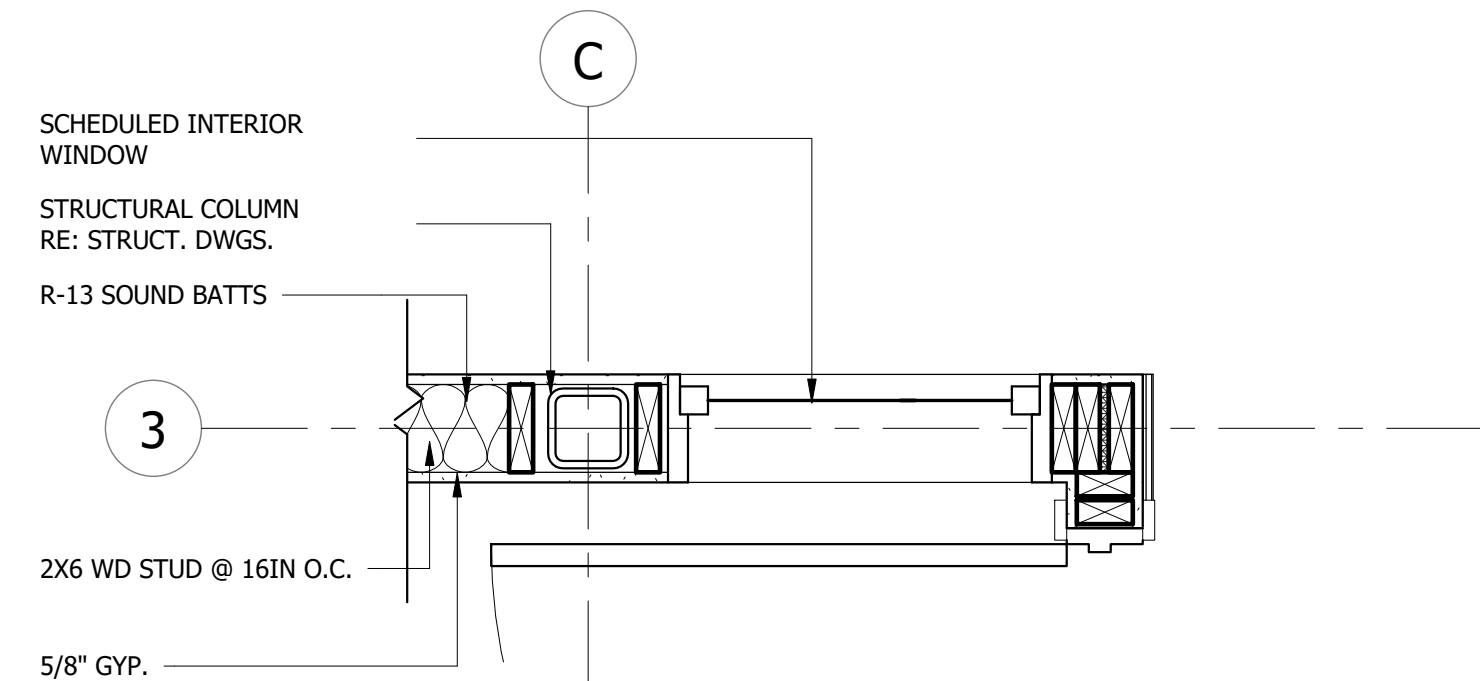
3 ANNOTATED PLAN - Callout 7
1" = 1'-0"



5 LEVEL 1 - ANNOTATED PLAN - Callout 2 - Callout 1
1" = 1'-0"



6 ANNOTATED PLAN - Callout 1
1" = 1'-0"



1 ANNOTATED PLAN - Callout 5
1" = 1'-0"

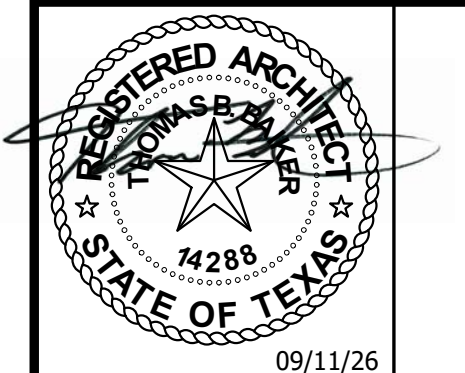


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PLAN DETAILS		
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APPROVED BY	TB	

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2. REMODEL PROJECTS REQUIRE FIELD VERIFICATION BY SUBCONTRACTOR
3. SAMPLE SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL

- 2 ea. Top Pivot - (by s.f. mfr.)
- 2 ea. Intermediate Pivot - (by s.f. mfr.)
- 2 ea. Bottom Pivot - (by s.f. mfr.)
- 1 ea. Threshold - (by s.f. mfr., to match existing)
- 2 ea. Push and pull bar set
- 1 set Weatherstripping - (by s.f. mfr.)
- 2 ea. Closer - (by s.f. mfr.)
- 1 set Flush Bolt (top & bottom, by s.f. mfr.)
- 1 ea. Cylinder with Thumb Turn Lock and Lock Indicator on Interior Side - (by s.f. mfr.)

1 1/2 PR	BUTTS - HAGER BB1279 L1 4 1/2 X 4 1/2 FINISH: US10B
1 EA.	PRIVACY LATCHSET - HAGER 3440 - WITHNELL LEVER FINISH:US10B
1 EA.	FLOOR STOP - HAGER 243F FINISH: US10B

1 EA. 9611HD-96 PACKAGED SETS
2 EA. EMTEK 2113US15134
FINISH: DARK BRONZE

*****CLOSER: HAGER 5100 (SURFACE MOUNTED) AND 5200 SERIES-HEAVY DUTY GRADE 1 DOOR CLOSER *****
 *****PANIC BAR OPTIONS: 4500 SERIES (RIM/HEAVY DUTY), 4700 SERIES(RIM/LIGHT COMMERCIAL)AND 4500 SERIES
 (VERTICAL ROD/HEAVY DUTY)*****
 *****KEYPAD ALARM LOCK TRILOGY T2 STABLONE DIGITAL CYLINDRICAL LOCK 2700*****
 *****ALL MAGLOCKS AND KEYFOB HARDWARE BY OWNER*****

1 EA. OFFICE LOCK-HAGER 3450 WITHNELL LEVER
FINISH: US10B

1 EA. FLOOR STOP - HAGER 243F FINISH: US10B

1 EA. CLOSER - HAGERS400 FINISH: US10B
1 EA. THRESHOLD - PEMKO 2005DV 36"
1 EA. WEATHERSTRIPPING - PEMKO 303_S1 EA. DRIP
CAP -PEMKO 346D 40"
1 EA. 170 DEGREE WIDE ANGLE DOOR SCOPE VIEWER"
1 EA. DOOR BOTTOM SWEEP - PEMKO 307DV 36"

1 EA. TRILOGY T2 - DL2700IC LOCK- HAGER 3480
WITHNELL LEVER FINISH: US10B

1 EA. FLOOR STOP - HAGER 243F FINISH: US10B

DOOR #	FROM	TO	DOOR			FRAME		HARDWARE		FIRE RATING	NOTES
			HAND	TYPE	FINISH	TYPE	FINISH	SET	FINISH		
101	EXTERIOR	LOBBY 100	RHR/LHR	A	S.F.	ALUM.	CLEAR ANOD.	01	622		CLOSER
102	LOBBY 100	MANAGER 102	RH	C	STAINED WD	WD	STAINED WD	04			
103	LOBBY 100	TELLER 103	LH	D	STAINED WD	WD	STAINED WD	06			KEYPAD & CLOSER
104	TELLER 103	CASH ROOM 104	RH	D	STAINED WD	WD	STAINED WD	06			KEYPAD & CLOSER
105	LOBBY 100	CEO OFFICE 105	RH	C	STAINED WD	WD	STAINED WD	04			
106	CORRIDOR 111	DATA/ELEC. 106	LH	D	STAINED WD	WD	STAINED WD	06			KEYPAD & CLOSER
108	CORRIDOR 111	MEN 108	LH	D	STAINED WD	WD	STAINED WD	02			
109	CORRIDOR 111	WOMEN 109	RH	D	STAINED WD	WD	STAINED WD	02			
110	JANITOR 110	CORRIDOR 111	SLIDING	E	STAINED WD	WD	STAINED WD	03			
111A	LOBBY 100	CORRIDOR 111	LH	D	STAINED WD	WD	STAINED WD	06			
111B	CORRIDOR 111	EXTERIOR	RH	B	PAINTED	H.M.	PAINTED	05			KEYFOB ACCESS
112	CORRIDOR 111	STORAGE 112	RH	D	STAINED WD	WD	STAINED WD	06			KEYPAD & CLOSER
113	BREAK ROOM 113	CORRIDOR 111	LH	D	STAINED WD	WD	STAINED WD				CLOSER
114	LOBBY 100	WORKROOM 114	CASED OPENING	F	OPENING	GYP	STAINED WD				
115	WORKROOM 114	ATM 115	LH	D	STAINED WD	WD	STAINED WD	06			KEYPAD & CLOSER
116	LOBBY 100	OFFICE 116	LH	C	STAINED WD	WD	STAINED WD	04			
117	LOBBY 100	PERSONAL BANKER 117	RH	C	STAINED WD	WD	STAINED WD	04			
118	LOBBY 100	LOAN OFFICER 118	LH	C	STAINED WD	WD	STAINED WD	04			

CODE	COLOR	SIZE	NOTES
TR-1	Stained to Match WF-1	3/4" x 3 1/2"	BIRCH - UNFINISHED
TR-2	Stained to Match WF-1	1" x 4" x 8"	BIRCH - UNFINISHED

① $1\frac{1}{2}'' = 1'-0''$



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ISSUED FOR PERMIT	09.11.2026
ISSUED FOR CONSTRUCTION	

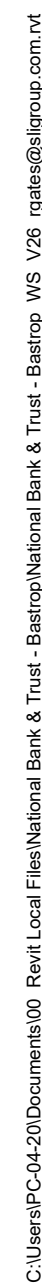
[illegible]

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10/08/26

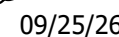
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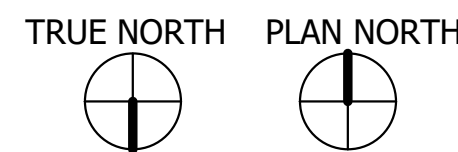
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A-4.00

1. NOTIFY ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS.
2. REMODEL PROJECTS REQUIRE FIELD VERIFICATION BY SUBCONTRACTOR
3. ALL CEILING GRIDS SHALL BE CENTERED IN ROOM UNLESS OTHERWISE SPECIFIED
4. CEILING HEIGHTS TO BE 9'-0" A.F.F. UNLESS OTHERWISE SPECIFIED
5. SIMPSON TSP CLIPS REQUIRED AT ALL FUR-DOWN FRAMING.

	2'X4' LED FIXTURE; RE:ELECTRICAL DRAWINGS
	2'X4' LED FIXTURE WITH EMERGENCY BACKUP; RE:ELECTRICAL DRAWINGS
	UNDERCOUNTER TASK LIGHTING; RE:ELECTRICAL DRAWINGS
	RECESSED INTERIOR ROUND LIGHT FIXTURE; RE:ELECTRICAL DRAWINGS
	RECESSED EXTERIOR ROUND LIGHT FIXTURE WITH EMERGENCY BACKUP; RE:ELECTRICAL DRAWINGS
	EXTERIOR SCONCE LIGHT FIXTURE; RE:ELECTRICAL DRAWINGS
	EXTERIOR SCONCE LIGHT FIXTURE; RE:ELECTRICAL DRAWINGS
	INTERIOR CHANDELIER LIGHT FIXTURE; RE:ELECTRICAL DRAWINGS
	EXTERIOR CHANDELIER LIGHT FIXTURE; RE:ELECTRICAL DRAWINGS
	INTERIOR RECESSED CEILING SPEAKER FIXTURE; RE:ELECTRICAL DRAWINGS



1 LEVEL 1
1/4" = 1'-0'

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ISSUED FOR PERMIT	09.11.2026
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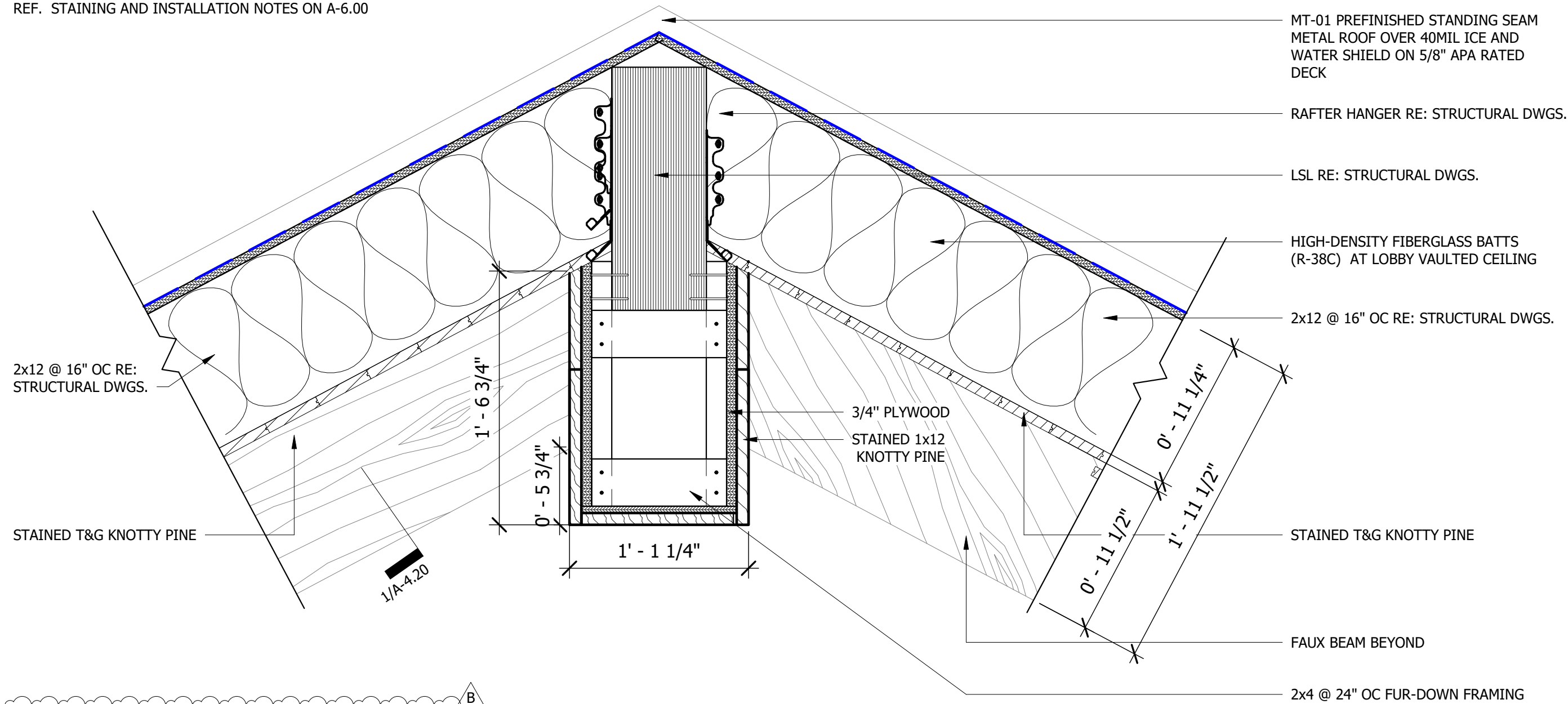
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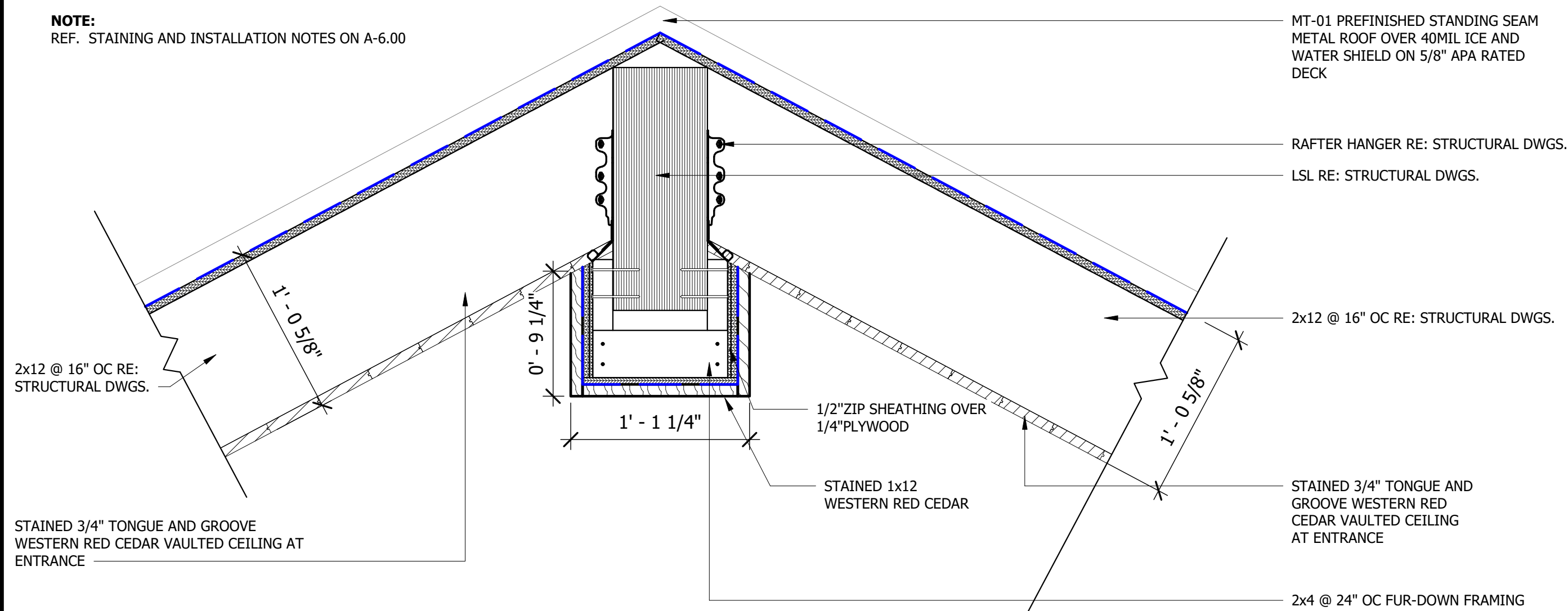
A-4.10

NOTE:
REF. STAINING AND INSTALLATION NOTES ON A-6.00



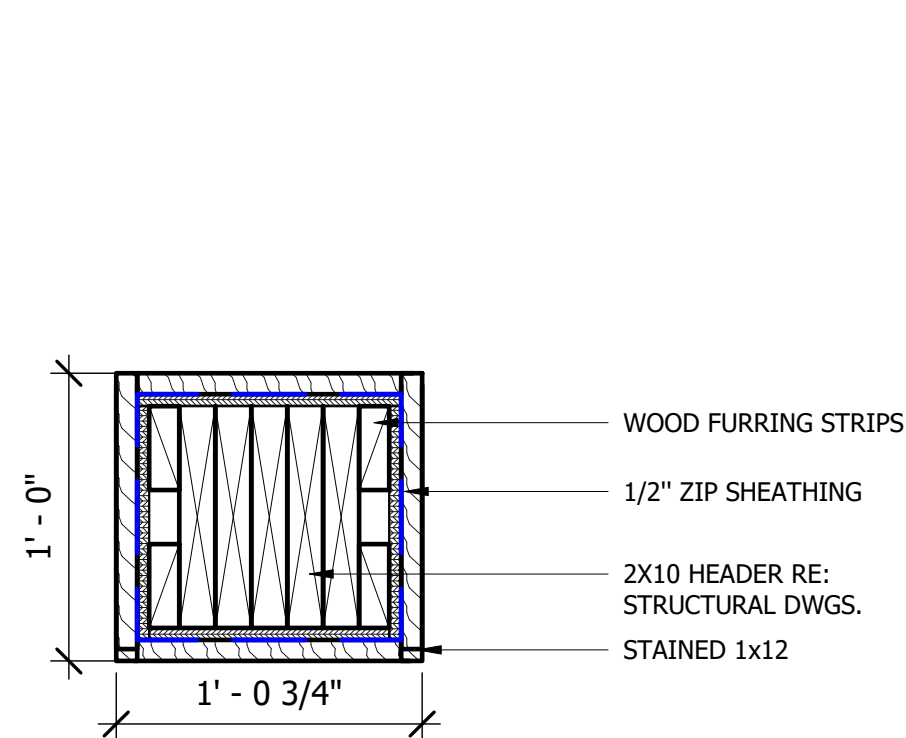
10 LOBBY VAULTED CEILING+ROOF ASSEMBLY
1 1/2" = 1'-0"

NOTE:
REF. STAINING AND INSTALLATION NOTES ON A-6.00



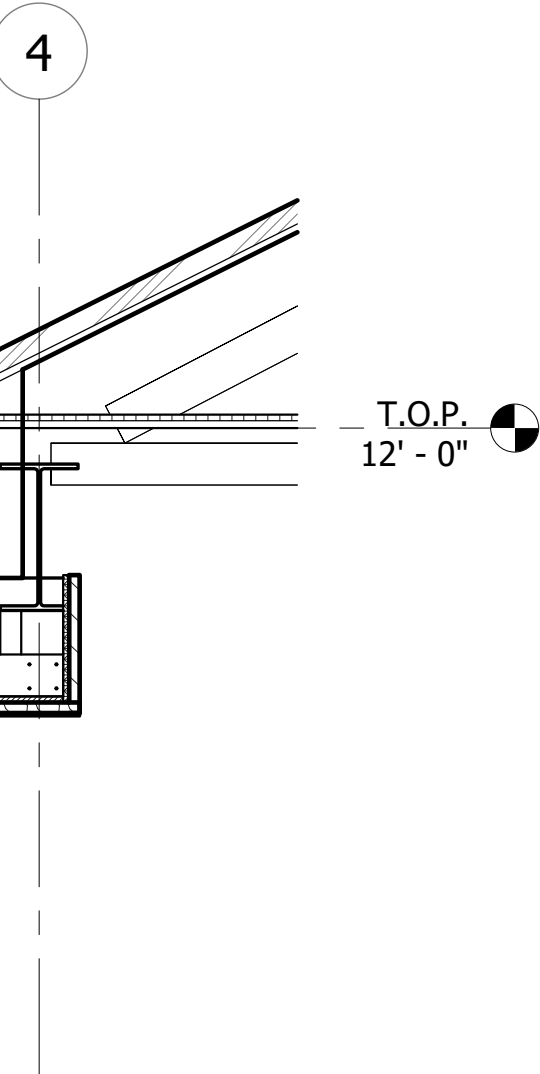
9 ENTRANCE VAULTED CEILING+ROOF ASSEMBLY
1 1/2" = 1'-0"

NOTE:
REF. STAINING AND INSTALLATION NOTES ON A-6.00

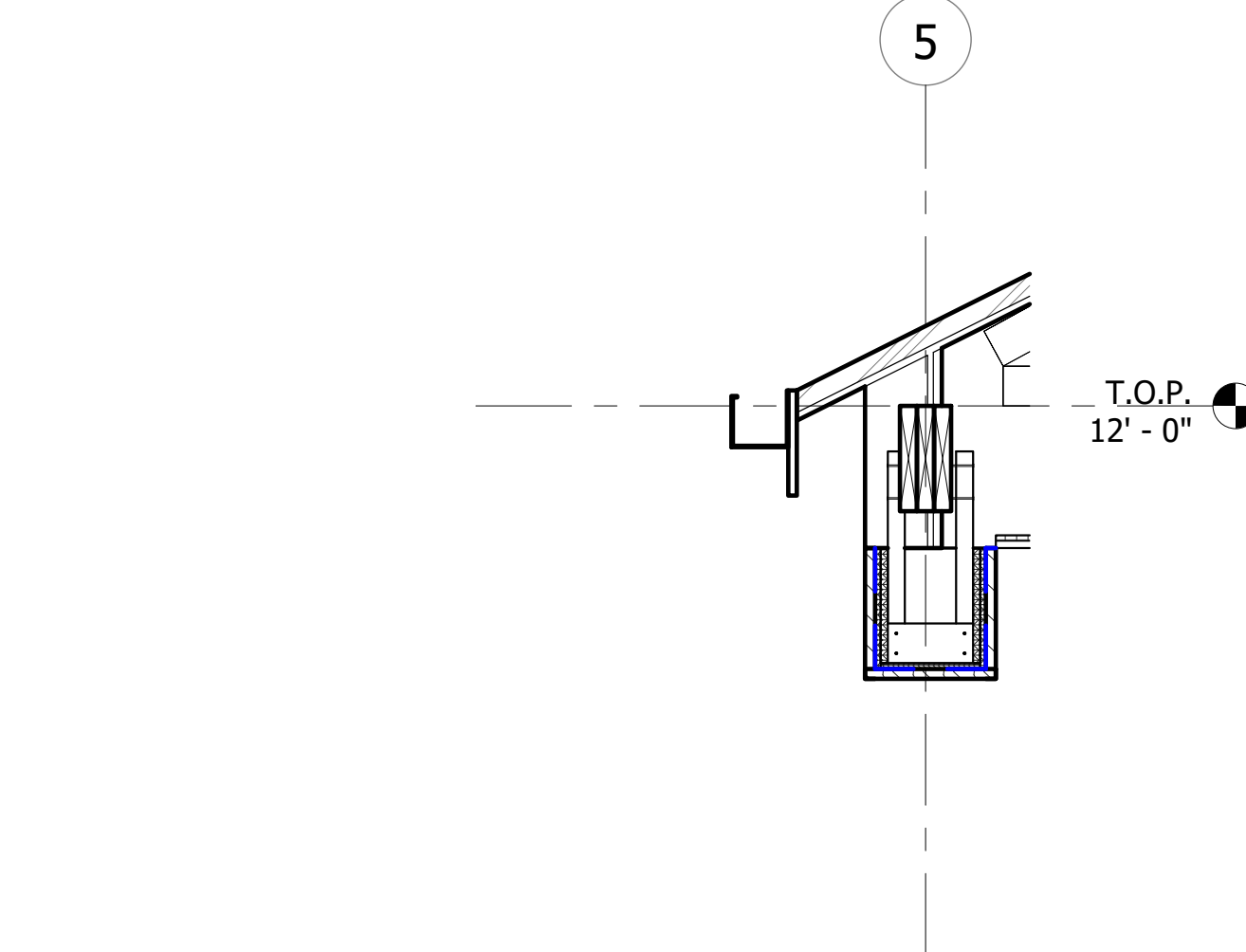


8 FAUX BEAM @ ENTRANCE VAULTED CEILING
1 1/2" = 1'-0"

7 TELLER DRIVE-THRU SOFFIT DETAIL
3/4" = 1'-0"

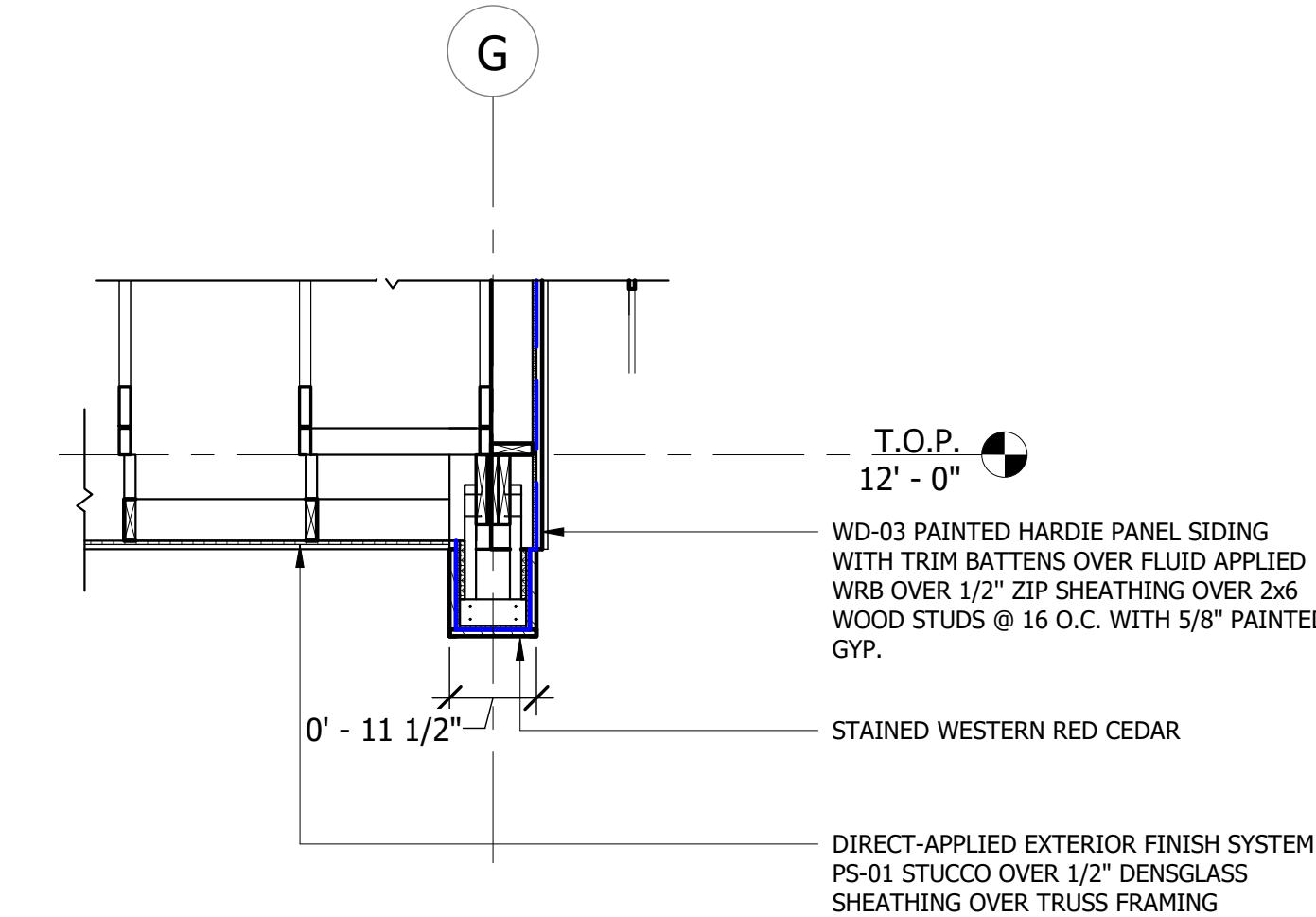


5 Detail 5
1/2" = 1'-0"

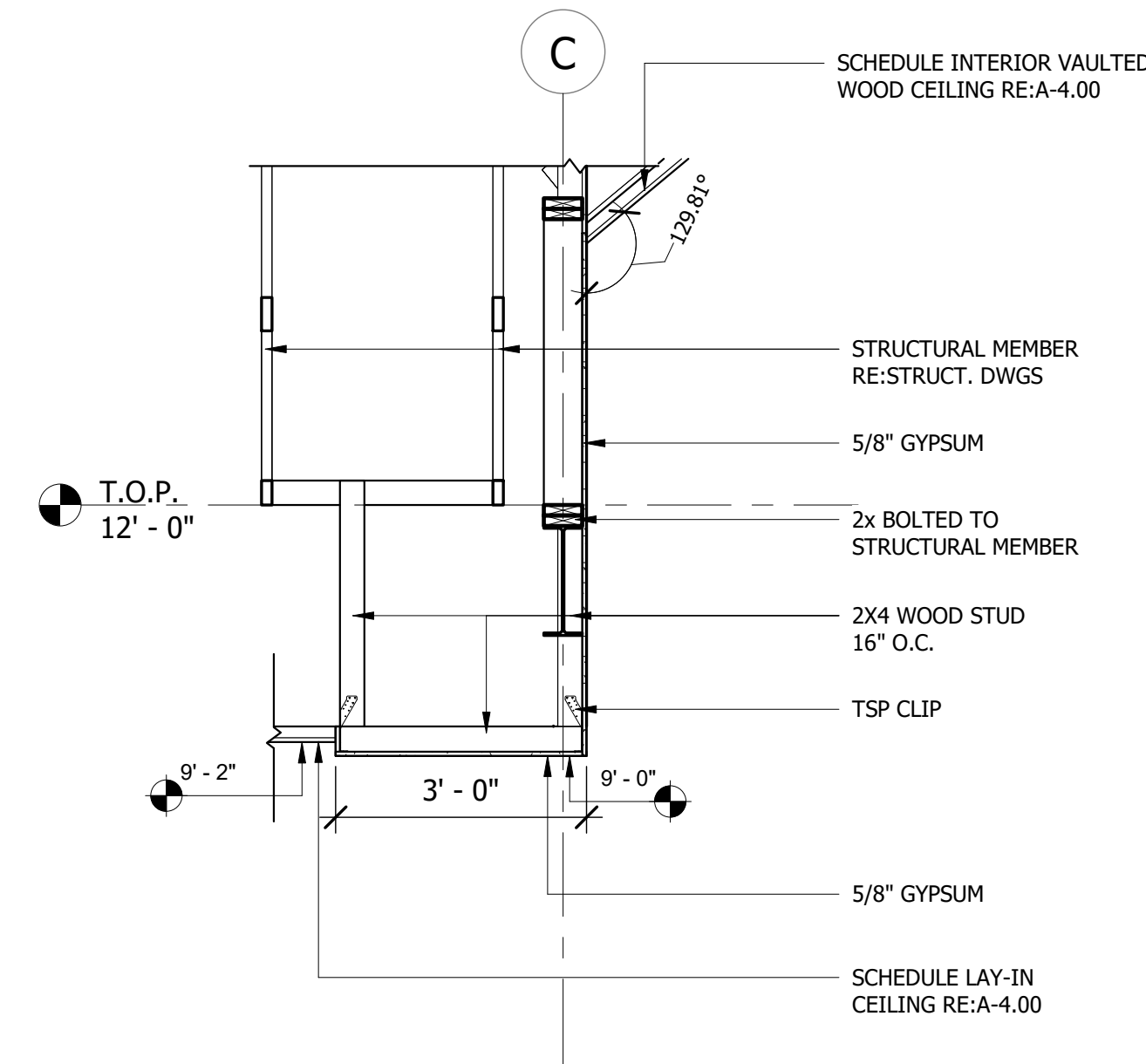


6 ATM DRIVE-THRU SOFFIT DETAIL
3/4" = 1'-0"

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

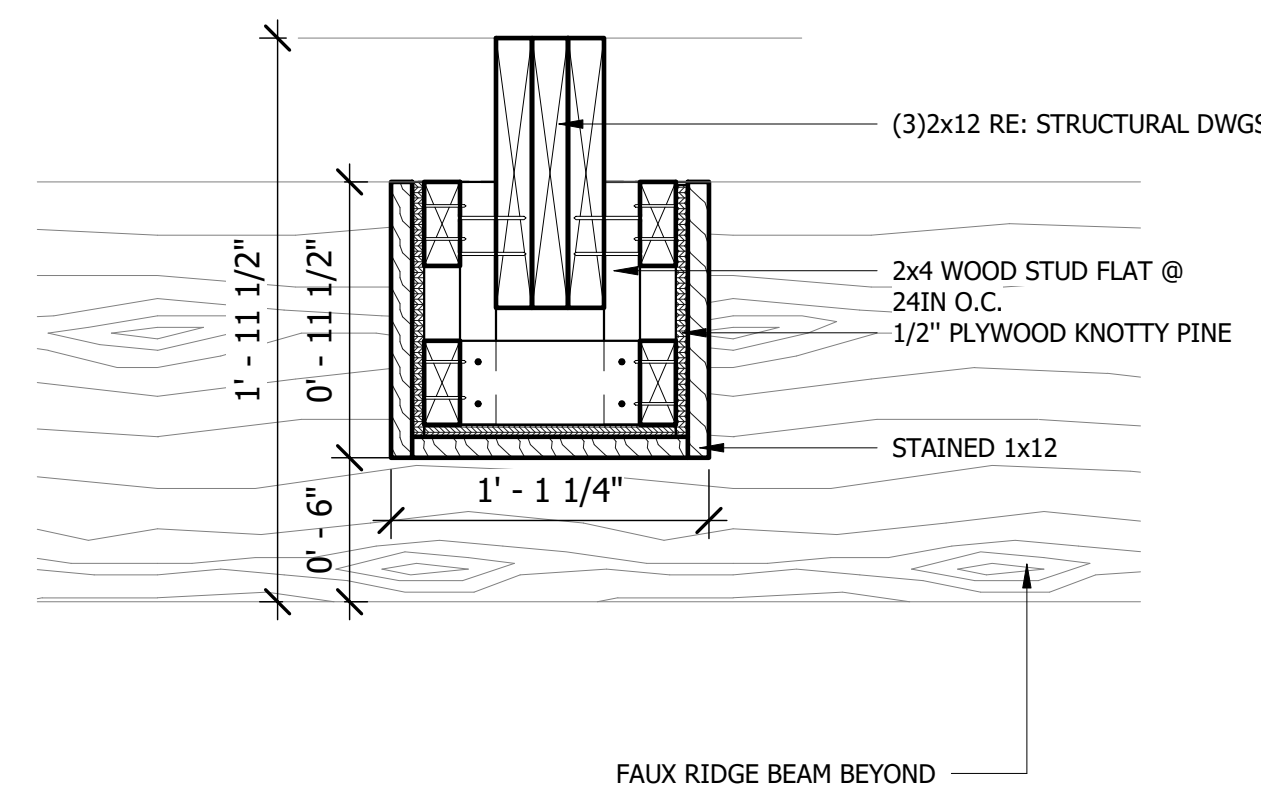


3 CORRIDOR FURR-DOWN
1/2" = 1'-0"



2 TELLER LINE FURR-DOWN
1/2" = 1'-0"

NOTE:
REF. STAINING AND INSTALLATION NOTES ON A-6.00



1 FAUX BEAM @ LOBBY VAULTED CEILING
1 1/2" = 1'-0"



ARCHITECTURE | DESIGN | CONSTRUCTION

15810 PARK TEN PLACE, SUITE 300
HOUSTON, TEXAS 77084
713-465-4650
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NBT
National Bank & Trust

National Bank & Trust - Bastrop

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BASTROP, TX 78602

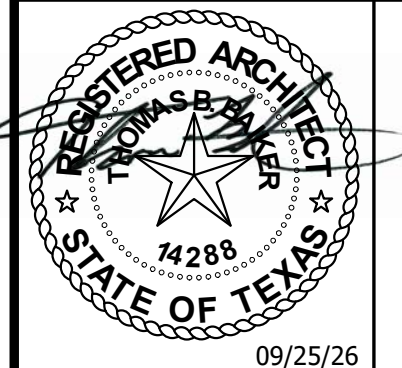
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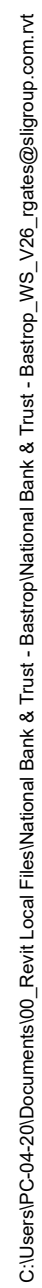
MARK	DESCRIPTION	DATE
B	ADDENDUM B	09.25.26

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APPROVED BY	TB	



1. NOTIFY ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS.

ROOF KEYNOTES	
NOTE NUMBER	NOTE TEXT
01	MR1- PREFINISHED STANDING SEAM METAL ROOF RE:A-6.00
02	NEW GUTTER. SQUARE PROFILE RE:A-6.00
03	4X4 DOWNSPOUT(TIE TO STORM). SQUARE DOWNSPOUT PROFILE RE:A-6.00
04	MR1- PREFINISHED STANDING SEAM METAL ROOF DOOR AWNING RE:A-6.00
05	MR1- PREFINISHED STANDING SEAM METAL ROOF WINDOW AWNING RE:A-6.00



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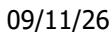
Project Number : 8989

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ROOF PLAN

SHEET NO.

C

A **B**

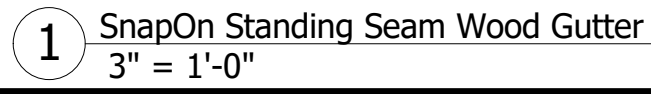


Project Number : 8989

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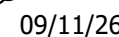


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A-6.00

FAUX EXTERIOR WOOD BEAM

- ## STAIN SAMPLES AND MOCK-UP

- ## STAINING AND INSTALLATION

- | EXTERIOR FINISH SCHEDULE | | |
|--------------------------|---|---|
| TAG | ITEM | STYLE/COLOR |
| BR-01 | MAINFIELD BRICK
MORTAR: GR-01 | MODULAR, TEXAS
PATTERN: RUNNING BOND |
| GL-01 | 1" INSULATED GLAZING | SOLARBAN 60 (2) SOLARGRAY +
CLEAR |
| GR-01 | MORTAR/GROUT | ALMOND-N/VANILLA-N/KHAKI-S |
| GR-02 | MORTAR/GROUT | SPECTRUM WHITE-N/S |
| MT-01 | 24 GA STEEL SNAP ON
STANDING SEAM IN 18"
WIDTHS WITH 1" HIGH SEAMS. | 1" SEAM
COLOR: WEATHERED GALVALUME. |
| MT-02 | GUTTER & D.S. | KYNAR 500, DARK BRONZE |
| PS-01 | STUCCO/PLASTER | COLOR: TBD |
| PT-01 | EXTERIOR PAINT | COLOR: TBD |
| PT-02 | EXTERIOR HOLLOW METAL
DOOR & FRAME | KYNAR 500, DARK BRONZE |
| ST-01 | FULL RED STONE VENEER
MORTAR: GR-02 | TEXAS CREAM
PATTERN: ASHLAR
MORTAR COLOR: |
| ST-02 | CAST STONE - WATER TABLE
MORTAR: GR-01 | #40-KHAKI |
| WD-01 | WESTERN RED CEDAR | STAIN: TBD |
| WD-02 | 1X10 HARDIE BOARD FASCIA | STAIN: TBD |
| WD-03 | PAINTED HARDIE PANEL
SIDING WITH TRIM BATTENS
OR EQ. | SMOOTH PANEL SIDING WITH TRIM
BATTENS
PT-01 |

NOTE NUMBER	NOTE TEXT
01	SOLDIER COURSE BR-01
02	EXTERIOR LIGHT FIXTURE RE: ELEC. DWGS
03	HARDIE BOARD FASCIA. COLOR TO MATCH STAINED RE: SCHEDULE
04	EXTERIOR BUILDING SIGNAGE RE: A-14.10
05	STRUCTURAL STEEL WRAPPED IN STAINED CEDAR
06	GUTTER AND DOWNSPOUT RE:SCHEDULE RE:02/A-5.00
07	DECORATIVE NON-FUNCTIONAL LOUVER VENT
08	MT-01 CANOPY WITH CEDAR STAINED WOOD BRACKETS
09	PAINTED HOLLOW METAL DOOR

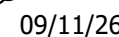
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A-6.10

FAUX EXTERIOR WOOD BEAM

- ## STAIN SAMPLES AND MOCK-UP

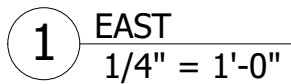
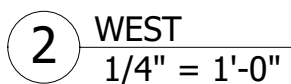
STAIN SAMPLES AND MOCK-UP

- ## STAINING AND INSTALLATION

STAINING AND INSTALLATION

- | EXTERIOR FINISH SCHEDULE | | |
|--------------------------|--|---|
| TAG | ITEM | STYLE/COLOR |
| BR-01 | MAINFIELD BRICK
MORTAR: GR-01 | MODULAR, TEXAS
PATTERN: RUNNING BOND |
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| GR-01 | MORTAR/GROUT | ALMOND-N/VANILLA-N/KHAKI-S |
| GR-02 | MORTAR/GROUT | SPECTRUM WHITE-N/S |
| MT-01 | 24 GA STEEL SNAP ON
FASTENING SEAM IN 18"
WIDTHS WITH 1" HIGH SEAMS. | FLUOROTEE-PANAL 18" WIDE WITH
A 1" SEAM |
| MT-02 | GUTTER & D.S. | COLOR: WEATHERED GALVALUME. |
| PS-01 | STUCCO/PLASTER | KYNAR 500, DARK BRONZE |
| PT-01 | EXTERIOR PAINT | COLOR:TBD |
| PT-02 | EXTERIOR HOLLOW METAL
DOOR & FRAME | COLOR:TBD |
| ST-01 | FULL BED STONE VENEER
MORTAR: GR-02 | KYNAR 500, DARK BRONZE |
| ST-02 | CAST STONE - WATER TABLE
MORTAR: GR-01 | TEXAS CREAM
PATTERN: ASHLAR
MORTAR COLOR: |
| WD-01 | WESTERN RED CEDAR | #40-KHAKI |
| WD-02 | 1X10 HARDIE BOARD FASCIA | STAIN: TBD |
| WD-03 | PAINTED HARDIE PANEL
SIDING WITH TRIM BATTENS
OR EQ. | STAIN: TBD
SMOOTH PANEL SIDING WITH TRIM
BATTENS
PT-01 |

ELEVATION KEYNOTES	
NOTE NUMBER	NOTE TEXT
01	SOLDIER COURSE BR-01
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04	EXTERIOR BUILDING SIGNAGE RE: A-14.10
05	STRUCTURAL STEEL WRAPPED IN STAINED CEDAR
06	GUTTER AND DOWNSPOUT RE:SCHEDULE RE-02/A-5.00
07	DECORATIVE NON-FUNCTIONAL LOUVER VENT
08	MT-01 CANOPY WITH CEDAR STAINED WOOD BRACKETS
09	PAINTED HOLLOW METAL DOOR





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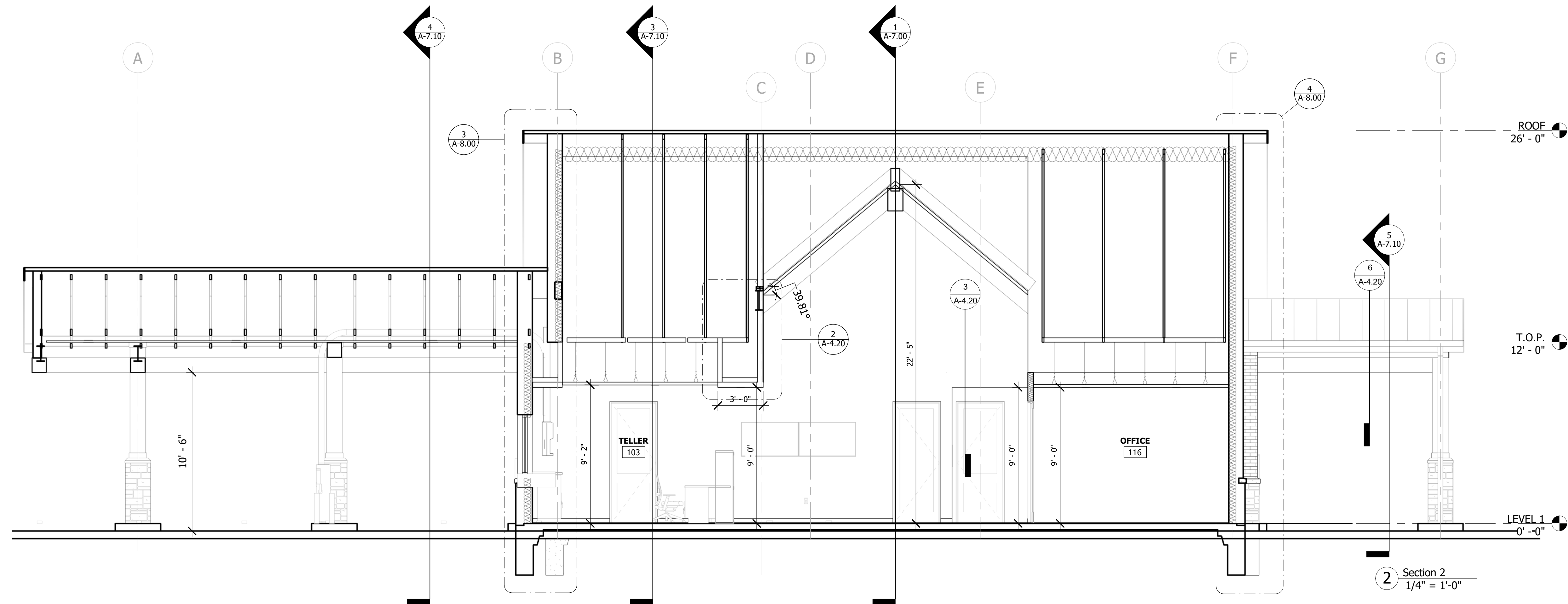
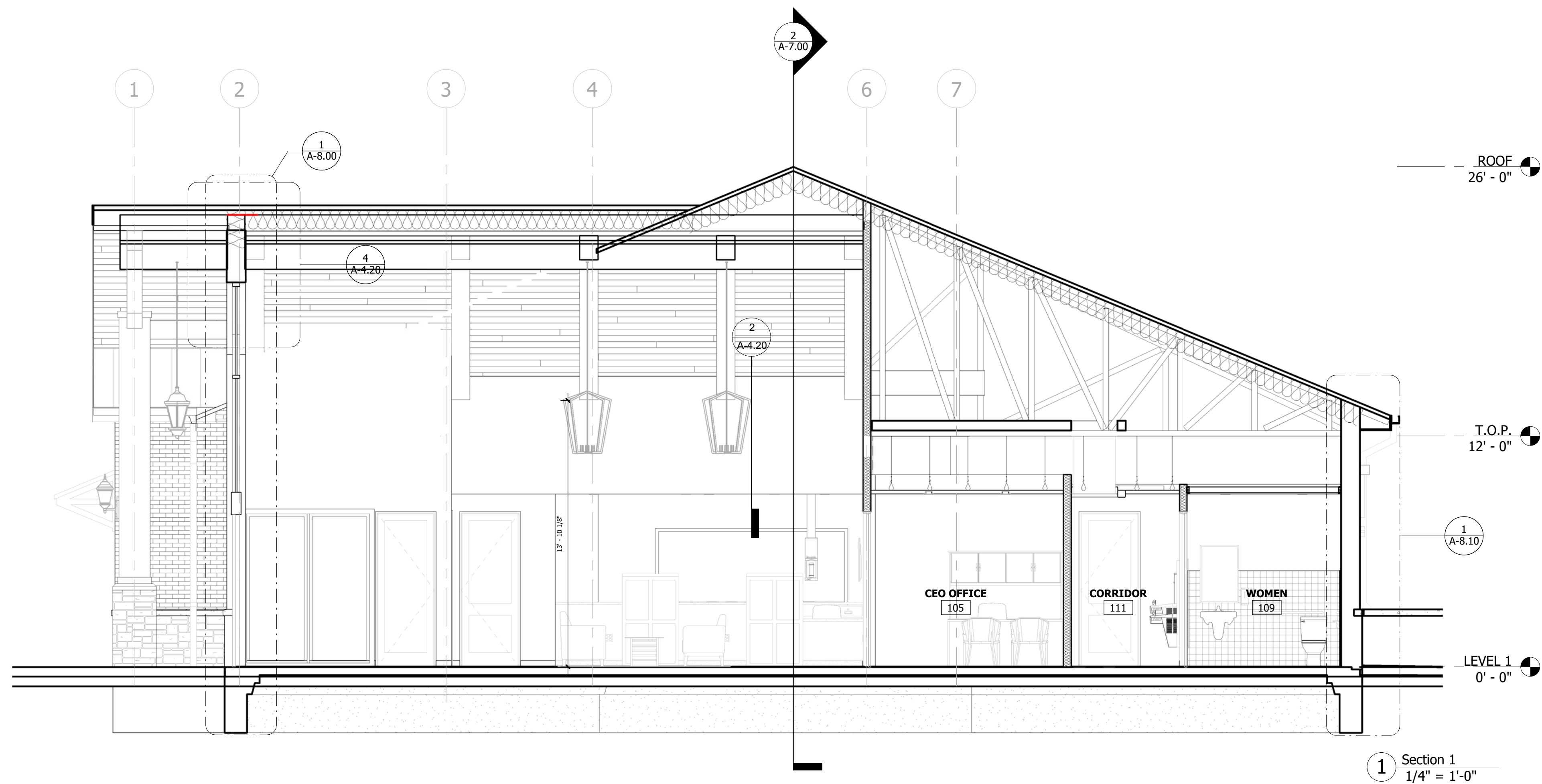
BUILDING SECTIONS

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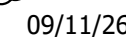


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WALL SECTIONS

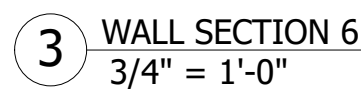
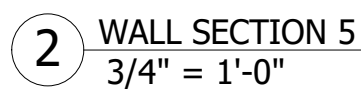
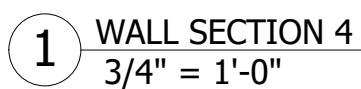
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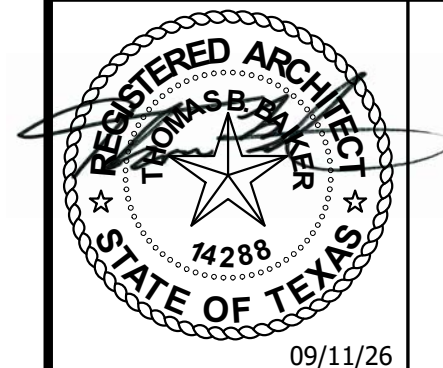
Project Number : 8989

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EXTERIOR TRIMS

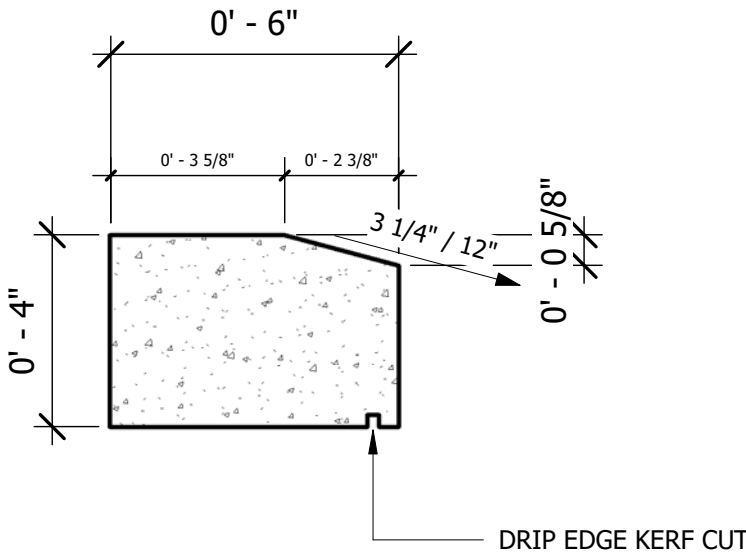
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APPROVED BY _____ TE _____

A-9.00



1 ST-02 - WATER TABLE
3" = 1'-0"

1" AIR SPACE MIN.
1 1/2" AIR SPACE PREFERRED

DW-10HS VENEER ANCHOR AT 16" O.C. VERT.
16" O.C. HORIZ. MAX

SCHED. BRICK W/ 3/8" THICK
MORTAR JOINT

1/2" SHEATHING WITH 1 LAYER OF
WATERPROOFING MEMBRANE

WATERPROOFING TAPE

SOLDIER COURSE
MATCH FIELD BRICK
RE: SCHED. SHEET A-6.00

SELF-ADHESIVE BUTYL FLASHING WITH
PRIMER. SEAL LEADING EDGE
WITH MASTIC

PAINTED LOOSE GALVANIZED
LINTEL RE: STRUCTURAL
DRAWINGS

R-20 UNFACED INSULATION

2x6 WOOD STUD @ 16" O.C.

GALVANIZED SELF-DRILLING SCREW
TO BE FLUSH WITH THE FACE OF ZIP
SYSTEM PANEL OVER DRIVEN
SCREWS SHALL BE TAPED

HEADER
RE: STRUCTURAL

5/8" THICK SHEET ROCK. TAPE AND FLOAT.

POCKET FILLER

SCHED. WINDOW RE: A-2.00

1 1/2" GALVANIZED SELF DRILLING SCREW

SEALANT OVER BACKER ROD

SELF-ADHEARING FLASHING UNDER SILL PAN; LAP OVER ZIP SYSTEM PANEL 4" MIN.

CAST STONE SILL (SLOPE 1:12 MIN.)

DRIP EDGE KERF CUT

AIR WEEP VENTS

1/2" ZIP SHEATHING WITH 40ML FLUID APPLIED WATERPROOFING MEMBRANE

DW-10HS VENEER ANCHOR AT 16" O.C. VERT. 16" O.C. HORIZ. MAX

SCHED. STONE W/ 3/8" THICK MORTAR JOINT

SCHED. WINDOW RE: A-2.00

CAULKING

SILL PAN SCREW BEHIND GYP.BD.

SILL PLAN BEADED IN FULL BED OF SEALANT FASTENED TO SILL PLATE

2x6 WOOD SILL PLATE

2x6 WOOD STUD @ 16" O.C.

GALVANIZED SELF-DRILLING SCREW TO BE FLUSH WITH THE FACE OF ZIP SYSTEM PANEL. OVER DRIVEN SCREWS SHALL BE TAPED

R-20 UNFACED INSULATION

5/8" THICK SHEET ROCK. TAPE AND FLOAT.

3' - 2"

3' - 2 5/8"

MT-01 PREFINISHED STANDING SEAM METAL ROOF OVER 40MIL ICE AND WATER SHIELD ON 5/8" APA RATED DECK

STAINED CEDAR 4X4 DIAGONAL BRACE

STAINED CEDAR 4X4 HORIZONTAL INTO VERTICAL LEG AND NOTCHED FOR DIAGONAL BRACES

STAINED CEDAR 4X4 DIAGONAL BRACE

STAINED CEDAR 2X4 VERTICAL NOTCHED FOR DIAGONAL BRACE

MT-01 PREFINISHED SEAM METAL ROOF OVER 40MIL ICE AND WATER SHIELD ON 5/8" APA RATED DECK

6' - 0"

BOLT

STAINED CEDAR 4X4 HORIZONTAL INTO 4X4 HORIZONTAL

5' - 3"

0' - 1"

0' - 3 1/2"

0' - 3 1/2"

0' - 1"

DW-10HS VENEER ANCHOR AT 16" O.C. VERT. 16" O.C. HORIZ. MAX

SCHED. STONE W/ 3/8" THICK MORTAR JOINT

1/2" ZIP SHEATHING WITH FLUID APPLIED WATERPROOFING MEMBRANE

MORTAR TRAP

WEEP HOLE @ 5'-0" O.C. TYP.

SELF-ADHESIVE BUTYL FLASHING WITH PRIMER. SEAL LEADING EDGE WITH MASTIC. FASTEN TO VERTICAL FACE OF BRICK LEODG ONLY

5/8" THICK SHEET ROCK, TAPE AND FLOAT.

GALVANIZED SELF-DRILLING SCREW TO BE FLUSH WITH THE FACE OF ZIP SYSTEM PANEL. OVER DRIVEN SCREWS SHALL BE TAPED

R-20 UNFACED INSULATION

2"x6" BASE PLATE

FOUNDATION ANCHOR RE: STRUCTURAL

FOUNDATION RE: STRUCTURAL

Diagram illustrating the connection of a glass curtain wall system to a concrete slab. The system includes a continuous 2x4 wood sill and a continuous 2x6 wood sill. The glass is supported by a 2" RACO BR glass frame. The connection is secured with 2x6 wood studs at 16 inches on center (O.C.). The height of the glass panel is indicated as 3' - 2 3/4". The distance from the top of the glass frame to the top of the concrete slab is labeled as 0' - 1 1/2". The distance from the top of the glass frame to the top of the wood sill is labeled as VARIES.

 BUILDING AWNING
1" = 1'-0"

[illegible]

DRAWING TITLE		<div style="font-size: 2em; font-weight: bold; text-align: center;">A-9.10</div>
TYP. DETAILS		
DRAWN BY	RG	
CHECKED BY	BL	
APPROVED BY		<div style="font-size: 1.2em;">SHEET NO.</div>
TB		



NBT
National Bank & Trust

National Bank & Trust - Bastrop
809 SAM HOUSTON DR
BASTROP TX 78602

Project Number : 8989

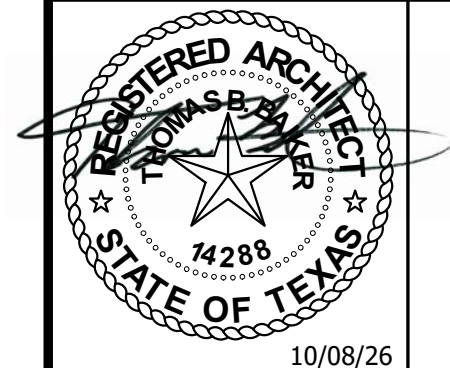
ISSUED FOR CLIENT APPROVAL	DATE 08.17.2026
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ISSUED FOR PERMIT	09.11.2026
ISSUED FOR CONSTRUCTION	

REVISIONS		
MARK	DESCRIPTION	DATE
B	ADDENDUM B	09.25.26
C	ADDENDUM C	10.07.26

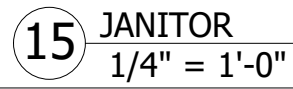
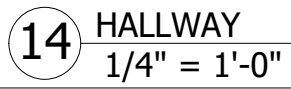
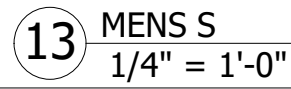
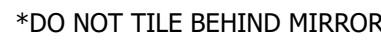
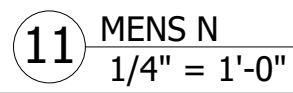
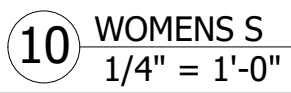
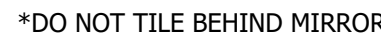
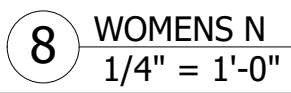
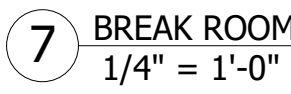
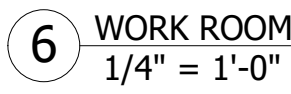
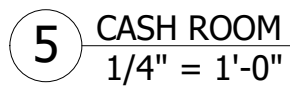
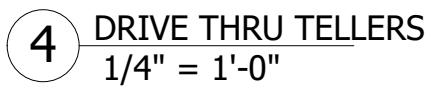
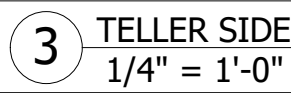
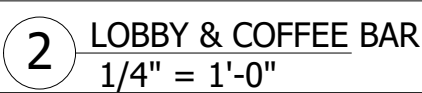
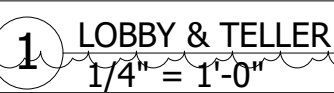
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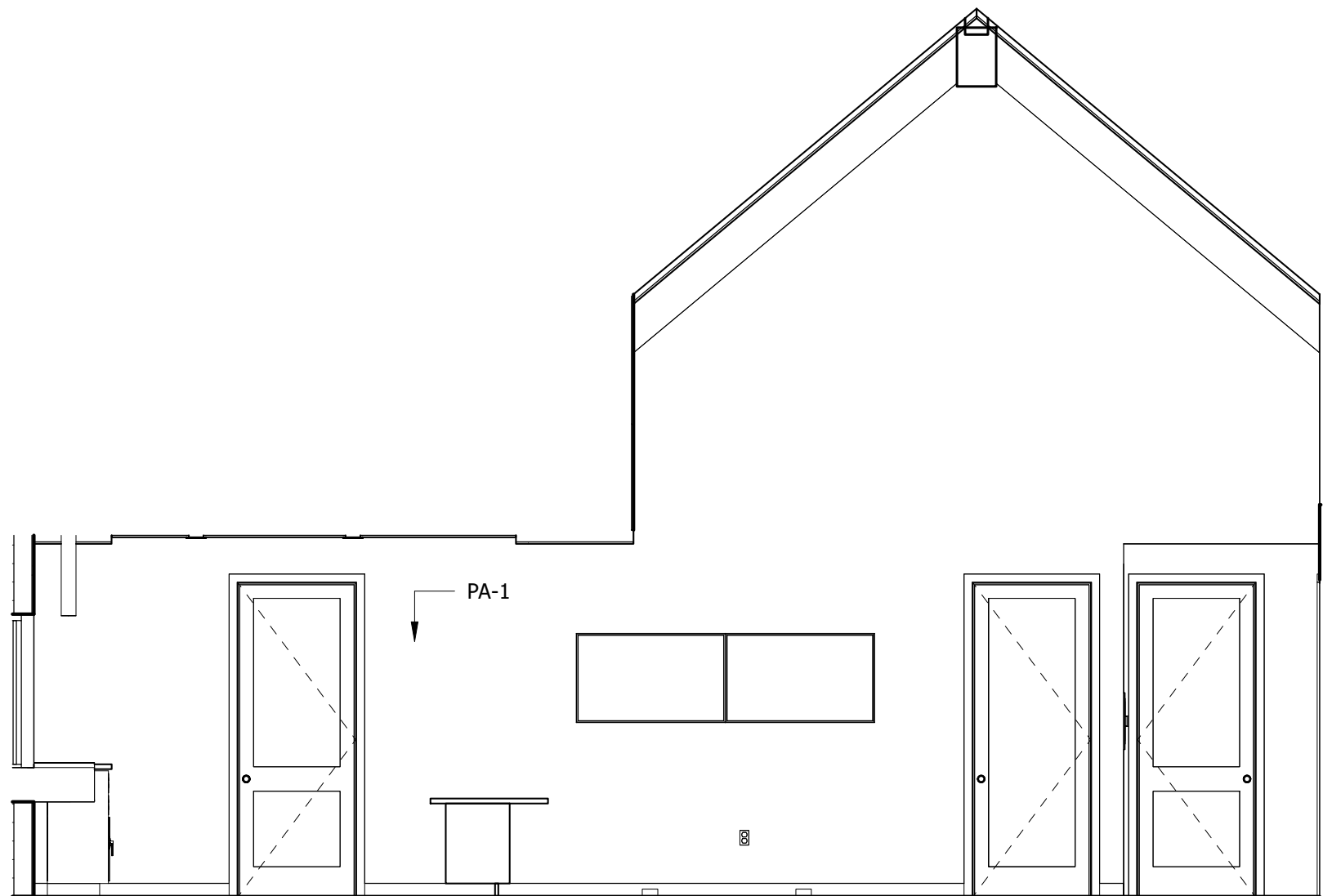
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INTERIOR ELEVATIONS		
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APPROVED BY	BH	





ARCHITECTURE | DESIGN | CONSTRUCTION

15810 PARK TEN PLACE, SUITE 300
HOUSTON, TEXAS 77084
713-465-4650
www.sligroup.com

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NBT
National Bank & Trust

National Bank & Trust - Bastrop

264 FM 969 BLDG. 3
BASTROP, TX 78602

Project Number : 8989

	DATE
ISSUED FOR CLIENT APPROVAL	08.17.2026
ISSUED FOR BIDDING	09.11.2026
ISSUED FOR PERMIT	09.11.2026
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REVISIONS

[illegible]

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09/11/20

DRAWING TITLE

INTERIOR ELEVATIONS

DRAWN BY B

SHEET NO

A-10.01

[illegible]

	A-11.00
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④ TYPICAL COUNTER 1" = 1'-0"	③ BASE CABINET W DRAWER 1" = 1'-0"	② BASE CABINET 1" = 1'-0"	① ADA SINK PANEL 1" = 1'-0"
APPROVED BY Approver			



1

4

SPACE LEFT BLANK FOR STAMP



15810 PARK TEN PLACE, SUITE 300

15810 PARK TEN PLACE, SUITE 300

HOUSTON, TEXAS 77084

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National Bank & Trust

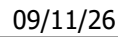
National Bank & Trust - Bastrop

264 FM 969 BLDG. 3
BASTROP, TX 78602

Project Number : 8989

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DRAWING TITLE

DRAWING TITLE

DRAWN BY

DRAWN BY

CHECKED BY

CHECKED BY

APPROVED BY

APPROVED BY

A-12.00

	AMERICAN SPECIALTIES, INC. 441 Saw Mill River Road, Yonkers, NY 10701 (914) 478-8000 • (914) 478-0888 www.americanspecialties.com	MODEL №: 0362 ISSUED: FEB 2007 REVISED: 26 NOV 2021
	SURFACE MOUNTED STAINLESS STEEL AUTOMATIC LIQUID SOAP AND GEL HAND SANITIZER DISPENSER	

FRONT VIEW

SIDE VIEW

REAR VIEW

TOP VIEW

NOTE

ALL DIM'S INCH (MM)

ILLUSTRATION FOR REF ONLY AND NTS

SEE SOAP DISPENSER CARE & MAINTENANCE DOCUMENT ONLINE FOR CLEANING

SPECIFICATION

Surface Mounted Stainless Steel Automatic Liquid Soap and Gel Hand Sanitizer Dispenser shall hold and dispense liquid soap or gel hand sanitizers having a pH in range 7 ± 1.5 and soaps or lotions only having viscosity in range 100-5k cP (mPa·s) or gel sanitizers having viscosities in range 3.5k - 5k cP (mPa·s) and a capacity of 27 oz [8 L] using the refillable soap tank provided or disposable 27 oz [800 ml] bag-in-a-box format. Dispenser body shall be fabricated of alloy 18-8 stainless steel, type 304 with black high-impact ABS plastic top door, bottom plate and concealed gray high-impact ABS plastic back plate comprising a swing-open body secured with a top mounted lock which is opened with special barrel security key provided. All exposed stainless steel surfaces shall be either satin finish or matte black (add suffix -41). Dispenser shall be powered by four (4) AA-size (1.5 V) batteries (not supplied) and shall operate automatically from IR sensor that shall activate soap dispensing when hands are placed in sensor zone. Adjustable sensor detection range shall be preset at 2-3/8" [60] $\pm$ 1-1/2" [38]. An indicator LED shall provide status notification of battery condition and user sensor detection. Unit shall dispense a volume of .03 fl oz to .037 fl oz (1 ml to 1.1 ml) of soap or gel during each activation. A tamper resistant soap level-viewing window shall be provided. An Owner's Manual and Installation Guide (OM & IG) shall be provided with unit in carton.

Surface Mounted Stainless Steel Automatic Liquid Soap and Gel Hand Sanitizer Dispenser shall be Model № 0362 (add -41 for matte black) of American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

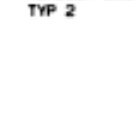
INSTALLATION

Surface mount unit to wall or partition with four (4) № 6 x 15/16" [M3.5 x 24] pan head self-threading pan head or flat head screws (supplied) into dry wall anchors (provided) through concealed mounting holes provided. Alternatively, unit may be installed on stand (Model № FS-0300) with hardware supplied with stand. Recommended installation height for general utility is 42" [1067] to 46" [1168] AFF to bottom of unit. For compliance with 2010 ADA Accessibility Standards install unit so that bottom of unit is no higher than 48" [1219] MAX AFF. Mount unit with bottom 7-7/8" [200] minimum above non-metallic washbasins or countertops and 11-13/16" [300] above stainless steel washbasins or countertops. OM & IG (№ 0610241228) and a MT (№ 0610160837) are provided with unit in carton.

OPERATION

Soap or gel sanitizer is automatically dispensed when hands are placed in sensor zone. Unit is reloaded by unlocking lock with special key (supplied), swinging open dispenser body and removing and refilling tank or replacing disposable internal container. Dispenser will continue to feed properly until empty. Supply is replenished manually on a cycle determined by maintenance needs. Batteries are replaced yearly or as required for heavy duty operation. See OM & IG for full details.

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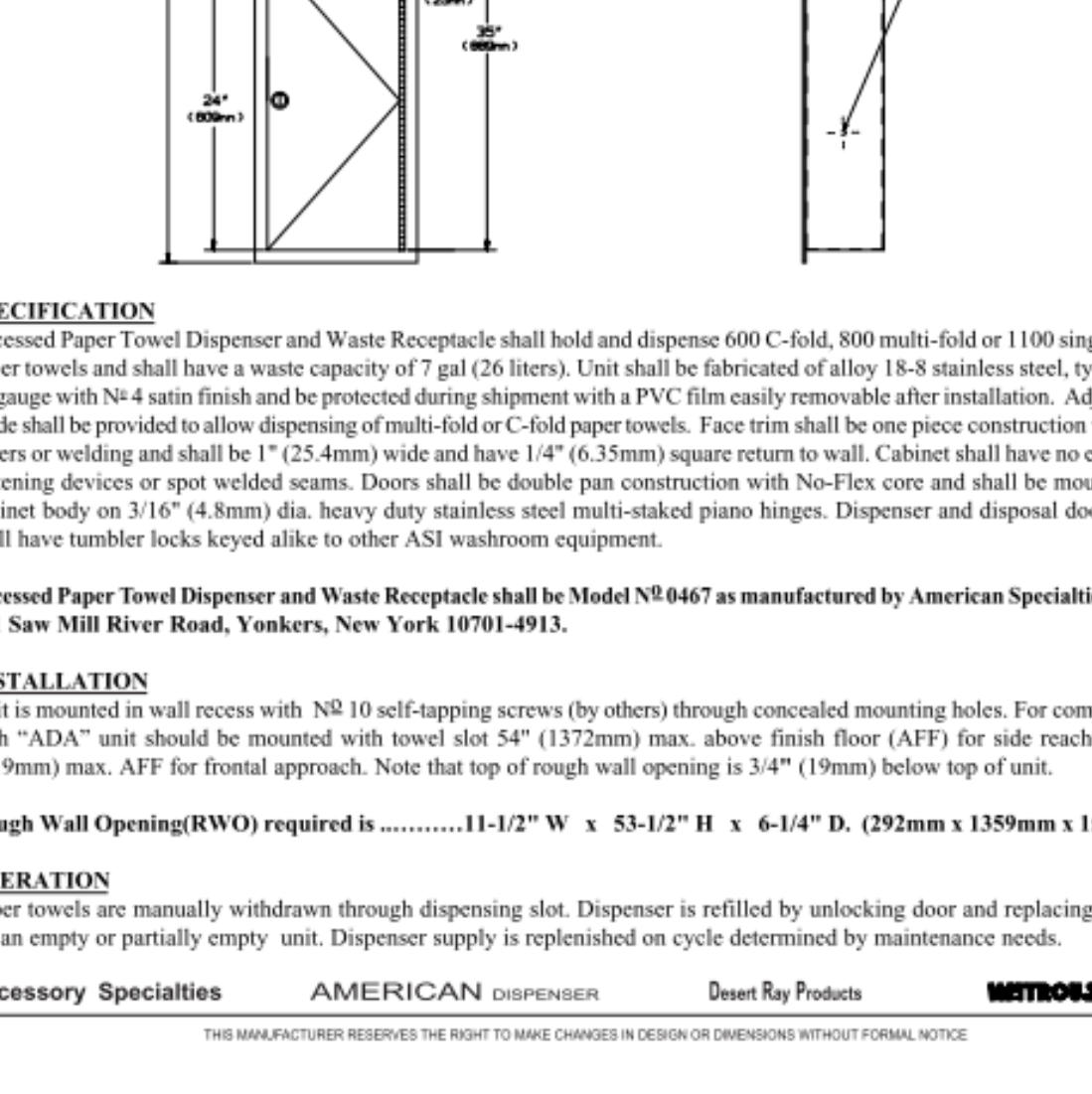
AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000

Model No: 0467

ISSUED: 1-87

REVISED: 9-04

RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE



SPECIFICATION
 Recessed Paper Towel Dispenser and Waste Receptacle shall hold and dispense 600 C-fold, 800 multi-fold or 1100 single-fold paper towels and shall have a waste capacity of 7 gal (26 liters). Unit shall be fabricated of alloy 18-8 stainless steel, type 304, 22 gauge with N-4 satin finish and be protected during shipment with a PVC film easily removable after installation. Adjustable guide shall be provided to allow dispensing of multi-fold or C-fold paper towels. Face trim shall be one piece construction with no miter or welding and shall be 1" (25.4mm) wide and have 1/4" (6.35mm) square return to wall. Cabinet shall have no exposed fastening devices or spot welded seams. Doors shall be double pan construction with No-Flex core and shall be mounted to cabinet body on 3/16" (4.8mm) dia. heavy duty stainless steel multi-staked piano hinges. Dispenser and disposal doors unit shall have tumblers locks keyed alike to other ASI washroom equipment.

Recessed Paper Towel Dispenser and Waste Receptacle shall be Model N° 0467 as manufactured by American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913.

INSTALLATION
 Unit is mounted in wall recess with N-10 self-tapping screws (by others) through concealed mounting holes. For compliance with "ADA" unit should be mounted with towel slot 54" (1372mm) max. above finish floor (AFF) for side reach or 48" (1219mm) max. AFF for frontal approach. Note that top of rough wall opening is 3/4" (19mm) below top of unit.

Rough Wall Opening(RWO) required is11-1/2" W x 53-1/2" H x 6-1/4" D. (292mm x 1359mm x 159mm)

OPERATION
 Paper towels are manually withdrawn through dispensing slot. Dispenser is refilled by unlocking door and replacing towels for an empty or partially empty unit. Dispenser supply is replenished on cycle determined by maintenance needs.

Accessory Specialties

AMERICAN DISPENSER

Desert Ray Products

METROLUX

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT NOTICE

RA-5

Model #3801-36

Technical Data Sheet

1-1/2" Dia. Snap Flange Grab Bar - 36" [914] Length

Grab Bars

MasterFormat Section 10 28 13

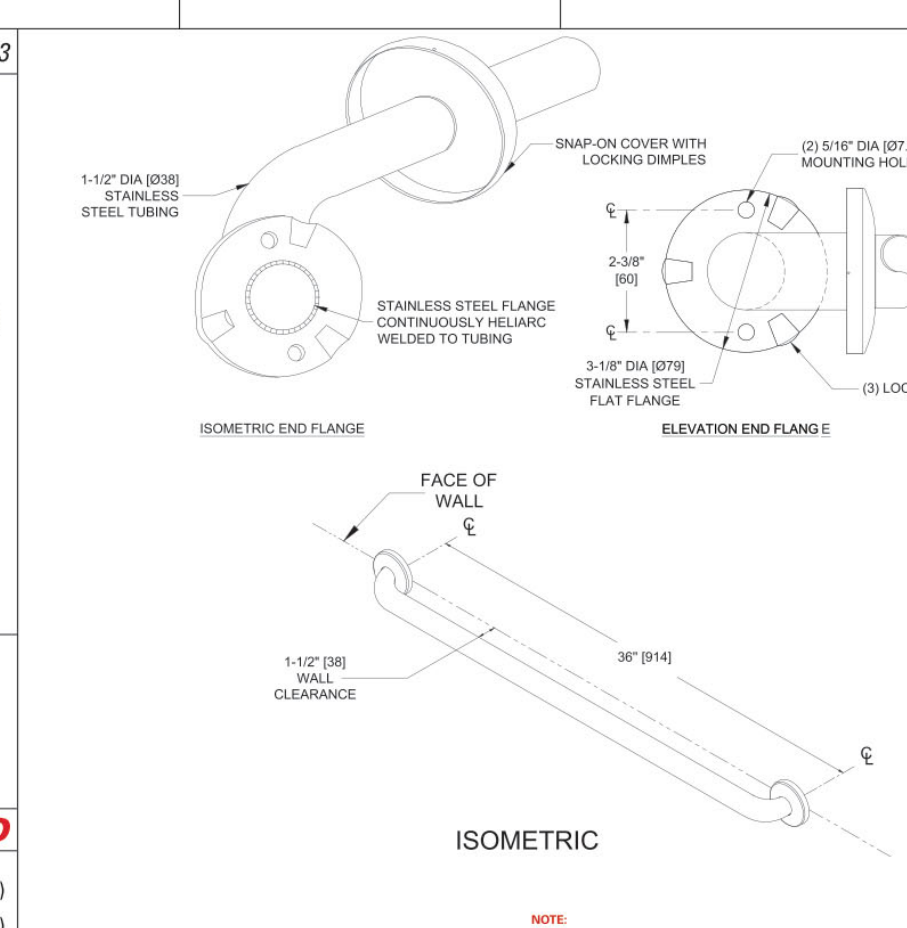


Scan for Information




SUSTAINABILITY/LEED

MR 4.1 (1) MR 6 (1) EQ 4.2 (1)
 MR 4.2 (1) EQ 4.1 (1) EQ 4.4 (1)



ISOMETRIC

NOTE:
ALL DIM'S INCH (MM)
ILLUSTRATION FOR REF ONLY AND NTS

PRODUCT OVERVIEW

Features include cover that snaps over mounting flange dimples to conceal screws and concealed mounting flange of 3-1/8" [79] O.D. with 2 screw holes and 3 locking dimples; 1/8" [3] thick, type 304 stainless steel. Cover is type 304 stainless steel with a satin finish and 22 gauge, 3-3/16" [81] diameter. 1-1/2" O.D. [38] exposed flange horizontal grab bar with a smooth surface.

KEY FEATURES & SPECIFICATIONS

- Straight Grab Bar
- Snap Flange - cover snaps over mounting flange to conceal screws
- Type 304 Stainless Steel - Satin Finish
- Surface Mounted
- 18 gauge tubing with 1-1/2" Outside Diameter [38]
- 36" [914] Length

American Specialties, Inc., | 441 Saw Mill River Road, Yonkers, NY 10701 | (914) 476-9000 | www.americanspecialties.com

Model #3801-36

Revision: R1 Issued: 11/1/2021

Revised: 3/10/2023

CSI: 10 28 13 Toilet Accessories

Page: 1 of 2

AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, Yonkers, NY 10701
(914) 476.9000 • (914) 476.0688
www.americanspecialties.com

MODEL №: 0697-GAL

ISSUED: 01-87

REVISED: 18 JUL 2019

SURFACE MOUNTED SHELF AND DUAL TOILET PAPER HOLDER

ELEVATION

NOTE

ALL DIM'S INCH (MM)

ILLUSTRATION FOR REF ONLY AND NTS

FOR CLEANING INSTRUCTIONS SEE APPROPRIATE SECTIONS IN PRODUCT CARE & MAINTENANCE BULLETIN (PCM) ON ASI WEBSITE

SIDE VIEW

SPECIFICATION

Surface Mounted Shelf & Dual Toilet Paper Holder shall hold two (2) 5" Dia [127] rolls of 1500 sheets or standard toilet paper rolls and shall have 5" [127] x 18" [457] shelf with 5/8" [16] hemmed lip on front edge. All metal parts shall be 18 gage [1.3] 304 stainless steel alloy 18-8. All exposed surfaces shall have satin finish and shall be protected during shipping by a PVC film easily removed after installation. Structural assembly of shelf and brackets/roll supports shall be of welded construction. Rollers (p/n R-003) shall be molded of high impact-resistant polystyrene plastic and two (2) shall be supplied.

Surface Mounted Shelf & Dual Toilet Paper Holder shall be Model № 0697-GAL as manufactured by American Specialties, 441 Saw Mill River Road, Inc., Yonkers, NY 10701-4913

INSTALLATION

Unit is surface mounted on wall or partition using 2x10 self-threading screws (by others) through holes provided in support brackets. For compliance with 2010 ADA accessibility Standards and 2015 ABA Standards, install unit so that centerline of nearest roll holder is 7" [178] min to 9" max [229] from front of toilet and axis of rolls is 15" [381] min AFF (Above Finished Floor) to 23" [584] max AFF. Recommended mounting height for general utility is 32" [813] to 36" [914] AFF.

OPERATION

Toilet paper rolls are self-feeding on user-pull demand until supply is depleted. Rollers are spring loaded for retention and provide free delivery.

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT FORMAL NOTICE

[illegible]

ELECTRICAL LEGEND	
Ⓢ	DUPLEX WALL RECEPTACLE
Ⓢ D	DEDICATED DUPLEX WALL RECEPTACLE
Ⓢ* GFCI	DUPLEX WALL RECEPTACLE, GROUND FAULT INTERCEPT
Ⓢ	QUADPLEX WALL RECEPTACLE
Ⓢ*	DUPLEX WALL RECEPTACLE MOUNTED ABOVE COUNTER
Ⓢ* D	DEDICATED DUPLEX WALL RECEPTACLE MOUNTED ABOVE COUNTER
Ⓢ GFCI	DUPLEX WALL RECEPTACLE, GROUND FAULT INTERCEPT MOUNTED ABOVE COUNTER
Ⓢ*	QUADPLEX WALL RECEPTACLE MOUNTED ABOVE COUNTER
Ⓢ R	FLOOR BOX WITH QUADPLEX AND RJ-45
Ⓢ	DATA BOX WITH (1) RJ-45
Ⓢ	DATA BOX WITH (2) RJ-45
Ⓢ SM	SOFFIT MOUNTED WEATHERPROOF DUPLEX RECEPTACLE
Ⓢ WP	EXTERIOR WEATHERPROOF DUPLEX RECEPTACLE
Ⓢ	CABLE TV
Ⓢ	JUNCTION BOX



Project Number : 8989

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A-13.00

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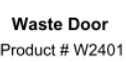
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CHECKED BY _____ Checke

APPROVED BY Approve

REGULATORY INFORMATION

PERPETUAL CALENDAR



WASTE

 $3.10^2 \times 4.0^2$

Can - 2.0" (Optional Wire)

NOTE

commended to cut
to receiving actual u

000 SERIES

DATA

1111 Local 310 217 9

k



ELECTRICAL ROOM SIGNAGE



WOMEN

MEN

RESTROOM SIGNAGE

C:\Users\BrendaHughes\OneDrive - sligroup\Documents\National Bank & Trust - Bastrop WS V26 bhughes@sligroup.com.mt



1. MOUNTING DETAILS- LETTER SHALL BE PIN MOUNTED.
2. LOCATION- ALL SIGNS SHALL BE CENTERED HORIZONTALLY AND VERTICALLY OVER DESIGNATED AREA.
3. APPROVAL: ALL LAYOUTS MUST BE APPROVED BY CLIENT AND ARCHITECT BEFORE FABRICATION.

3'-5"

2'-11"

3'-0"

1'-0"

0'-0"

ATM
LOBBY
DRIVE-THRU

NBT
NORTH BAY TOWNSHIP

THANK YOU FOR VISITING

NBT
NORTH BAY TOWNSHIP

SIDE A

SIDE B

Technical drawing of the NBT Mailbox system showing Side A and Side B views with dimensions.

Side A Dimensions:

- Overall width: 3'-5"
- Top section width: 2'-11"
- Top section height: 1'-0"
- Bottom section height: 2'-0"
- Bottom section width: 1'-0"

Side B Dimensions:

- Overall width: 3'-5"
- Top section width: 2'-11"
- Top section height: 1'-0"
- Bottom section height: 2'-0"
- Bottom section width: 1'-0"

Labels and Features:

- Side A:** LOBBY, ATM, NBT MAILBOX
- Side B:** DRIVE-THRU, NBT MAILBOX

Technical drawing showing the elevation of the NCT Westport Drive-Thru Booth. The drawing includes dimensions for the overall width and height, and the width of the drive-thru opening.

Dimensions:

- Overall width: 3' - 5"
- Overall height: 3' - 0"
- Drive-thru opening width: 2' - 11"
- Drive-thru opening height: 1' - 0"
- Top section height: 2' - 0"
- Bottom section height: 0' - 1 1/2"

Labels:

- DRIVE-THRU
- NCT WESTPORT
- THANK YOU FOR VISITING
- NCT WESTPORT

Side Labels:

- SIDE A
- SIDE B

The diagram illustrates the layout of two drive-thru lanes, Side A and Side B, with dimensions and signage.

Side A:

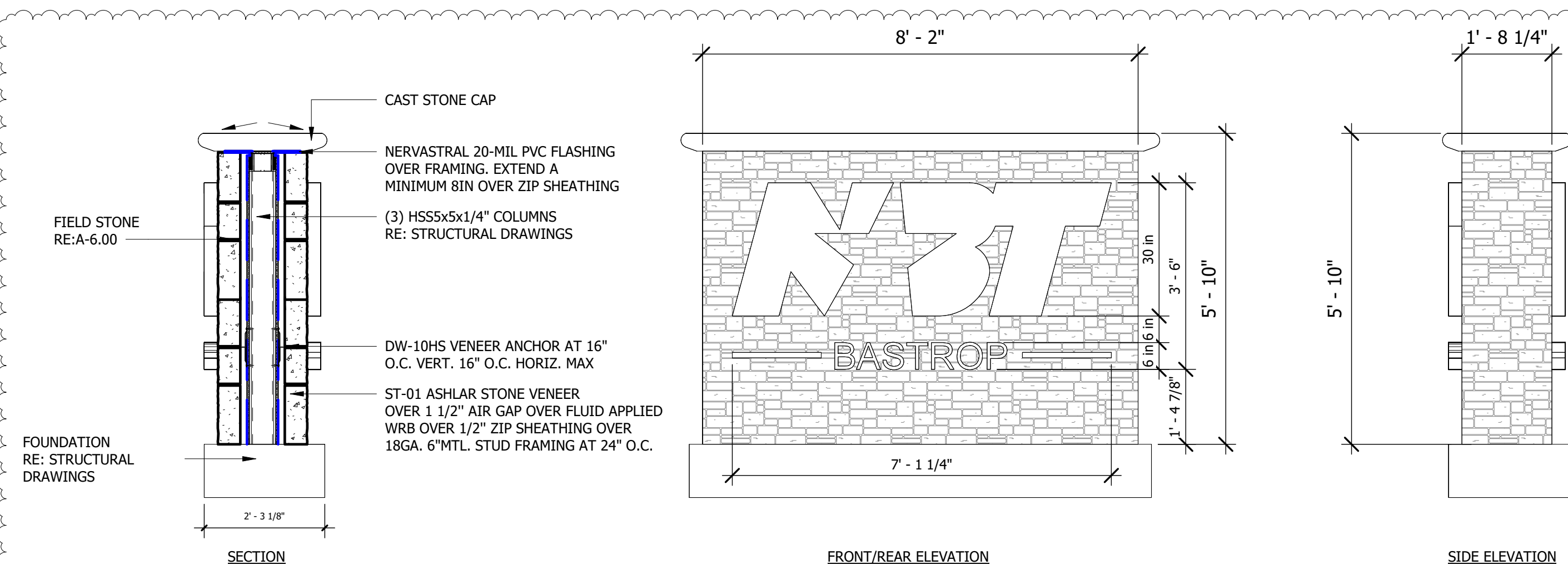
- Overall width: 3'-5"
- Overall height: 3'-0"
- Top section height: 0'-4"
- Bottom section height: 1'-0"
- Top section width: 2'-11"
- Signage: "ATM LOBBY DRIVE-THRU" with "NAT" logo and "RealTime" text.
- Directional arrows: Two black triangles pointing right.

Side B:

- Overall width: 3'-5"
- Overall height: 3'-0"
- Top section height: 0'-4"
- Bottom section height: 1'-0"
- Top section width: 2'-11"
- Signage: "LOBBY ATM" with "NAT" logo and "RealTime" text.
- Directional arrows: Two black triangles pointing right.

[illegible]

A-14.10



MONUMENT SIGN	
SYMBOL:	ES-01
QTY:	1 (OPTION FOR QTY OF 2 MONUMENT SIGNS IF ALLOWED BY AHJ)
LIGHTING:	HALO ILLUMINATED
LETTER:	LETTERS PIN MOUNTED TO BRICK
FONT SIZE:	
FINISH:	
MOUNTING:	GROUND MOUNTED
MANUFACTURER:	
NOTES:	DOUBLE SIDED

A. THE NOTES AND SPECIFICATIONS PROVIDED ON THE STRUCTURAL DRAWINGS ARE EXCERPTS FROM THE RELATING PROJECT SPECIFICATIONS. THEY ARE NEITHER COMPLETE NOR DO THEY REPLACE THE CONTRACT SPECIFICATIONS.

B. MEANS AND METHODS: THE STRUCTURAL DRAWINGS DEPICT THE STRUCTURE IN ITS FINAL CONSTRUCTED CONFIGURATION UNLESS SO STATED OR NOTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DESIGN AND PROVIDE ALL TEMPORARY SUPPORTS REQUIRED FOR THE EXECUTION OF THE CONTRACT. CONSTRUCTING BUT NOT LIMITED TO: GUYS, BRACES, SHORES, RE-SHORES, FALSEWORK, ANY TEMPORARY SUPPORTS OR TEMPORARY ANCHORS. NEITHER THE CONSTRUCTION MEANS AND METHODS NOR CONSTRUCTION SAFETY ARE PART OF THE STRUCTURAL ENGINEER'S EXPERTISE OR SCOPE OF WORK. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS ARE FULLY RESPONSIBLE FOR THE MEANS AND METHODS USED TO CONSTRUCT THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS, METHODS, REGULATIONS AND CONDITIONS AT THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS RELATING TO THE SPECIFIC STRUCTURAL ERECTION ITEMS ADDRESSED IN THE LATEST ASOHA REGULATIONS.

C. LIMITED SITE VISITS IF ANY BY THE STRUCTURAL ENGINEER OF RECORD (SER) ARE SOLELY TO OBSERVE COMPLETED PARTS OF THE STRUCTURE. THE STRUCTURAL ENGINEER OF RECORD (SER) IS NEITHER QUALIFIED TO OBSERVE NOR COMMENT ON CONSTRUCTION MEANS AND METHODS AND JOB SITE SAFETY.

D. PRINCIPAL OPENINGS ARE SHOWN ON THE DRAWINGS. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENINGS, SLEEVES, CURBS, INSERTS, DEPRESSIONS, ETC., NOT SHOWN.

E. TYPICAL DETAILS: GENERAL DETAILS AND NOTES ON THESE SHEETS SHALL APPLY UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE. CONSTRUCTION DETAILS NOT FULLY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS. ALL WORK OR CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES, REGULATION AND SAFETY REQUIREMENTS. ALL DETAILS ARE TYPICAL UNLESS NOTED OTHERWISE. DETAILS SHALL APPLY TO ALL SIMILAR AND LIKE CONDITIONS.

F. DISCREPANCIES: THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY DISCREPANCIES OR OMISSIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS. UPON RECEIPT OF SUCH INFORMATION, THE ENGINEER WILL SEND WRITTEN INSTRUCTIONS TO ALL CONCERNED. ANY DISCREPANCY, OMISSION OR VARIATION NOT REPORTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND WORK SHALL BE PERFORMED IN A MANNER AS DIRECTED BY THE ENGINEER AT NO COST TO THE PROJECT.

G. EXCAVATION: THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURE INCLUDING LAGGING, SHORING, AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT

H. COORDINATION AND OTHER TRADES: IT IS NOT THE INTENT THAT THE STRUCTURAL DRAWINGS BE VIEWED AS STAND ALONE DRAWINGS WITH RESPECT TO PROJECT DIMENSIONS OR ANY OTHER COMPONENT OF THE CONSTRUCTION THAT CAN AND MAY BE IDENTIFIED IN OTHER PARTS OF THE CONTRACT DOCUMENTS. IT REQUIRES THE ENTIRE SET OF CONTRACT DOCUMENTS TO PROPERLY CONSTRUCT THE STRUCTURE AS WELL AS OTHER COMPONENTS OF THE BUILDING. ANCHORS REQUIRED FOR ANCHORING MEP EQUIPMENT AND / OR PIPING ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS TO COORDINATE REQUIREMENTS FROM OTHER DISCIPLINES AND SHALL PROVIDE APPROPRIATE ALLOWANCES INTO THE BID. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSEMBLE AND COORDINATE THE REQUIREMENTS OF ALL COMPONENTS OF THE CONTRACT DOCUMENTS IN ORDER TO PROPERLY MEET THE REQUIREMENTS OF THE CONTRACT. SEE THE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF PIPES, VENTS, CHASES, DUCTS AND OTHER OPENINGS AND DETAILS NOT SHOWN ON THESE STRUCTURAL DRAWINGS. ALL DIMENSIONS ARE TO BE CHECKED AND VERIFIED WITH THE ARCHITECTURAL DRAWINGS.

I. SEE ARCHITECTURAL DRAWINGS FOR ELEVATIONS NOT SHOWN. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL SECTIONS WITH THE ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS.

J. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE GRADES WITH THE CIVIL ENGINEER'S GRADING PLAN AND THE LANDSCAPE ARCHITECT'S PLAN.

K. THE DRAWINGS IN THE STRUCTURAL DOCUMENTS ARE NOT TO BE SCALED FOR ANY PURPOSE, INCLUDING THE DETERMINATION OF QUANTITIES AND THE FIT UP OF MATERIALS.

L. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS AND LATEST ADDENDA AND TO PROVIDE SUCH DOCUMENTS TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS. FABRICATION OF ANY STRUCTURAL MEMBERS AND ERECTION IN THE FIELD.

M. PRECONSTRUCTION MEETINGS: THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING PRECONSTRUCTION MEETINGS FOR THE FOUNDATION AND SUPERSTRUCTURE ELEMENTS OF THE PRIMARY FRAME WITH A MINIMUM OF TWO WEEKS OF NOTICE PRIOR TO START OF THE RELEVANT WORK. ATTENDEES SHALL INCLUDE THE CONTRACTORS, APPROPRIATE SUBCONTRACTORS, ARCHITECT, INSPECTORS, ARCHITECT/ENGINEERS. THE MEETING AGENDA SHALL INCLUDE THE FOLLOWING ITEMS: REVIEW OF WORK SCOPE, PROJECT SCHEDULE FOR THE ELEMENTS BEING DISCUSSED, CONTACT INFORMATION OF RESPONSIBLE PARTIES, INSPECTION POINTS FOR BOTH SER AND SPECIAL INSPECTOR, REVIEW OF DRAWINGS AND CONTRACT DOCUMENTS, DISCUSSING THE SEAL OF THE REGISTERED ENGINEER OF RECORD AFFIXED. ALTERATION OF A SEALED DOCUMENTS WITHOUT PRIOR NOTIFICATION OF THE RESPONSIBLE ENGINEER IS AN OFFENSE OF THE ENGINEERING PRACTICE ACT. THE USE OF REPRODUCTIONS OR ELECTRONIC FILES OF THESE CONTRACT DOCUMENTS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS OR OMISSIONS THAT MAY OCCUR HEREON. DRAWINGS REQUIRING A SPECIALTY STRUCTURAL ENGINEER (SSR) SHALL HAVE CALCULATIONS AND DRAWINGS SEALED BY A LICENSED ENGINEER IN THE STATE OF THE PROJECT.

N. COLD-FORMED WALL STUDS AND CONNECTIONS SHALL BE DESIGNED AND SEALED BY A LICENSED ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED. THE CALCULATIONS AND DETAILED DRAWINGS SHALL BE SUBMITTED FOR APPROVAL SHOWING ALL CALCULATIONS, INCLUDING DESIGN LOADS, MEMBER SIZES AND CONNECTIONS.

O. SHOP DRAWINGS SHALL BE NEW DRAWINGS PRODUCED BY THE CONTRACTOR. ILLEGIBLE REPRODUCTIONS OF THE DESIGN DRAWINGS WILL BE REJECTED. THE USE OF REPRODUCTIONS OR ELECTRONIC FILES OF THE STRUCTURAL DRAWINGS FOR THE PREPARATION OF SHOP DRAWINGS IS NOT ACCEPTABLE WITHOUT PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER OF RECORD. IF SUCH AUTHORIZATION IS OBTAINED, DO NOT SUBMIT SHOP DRAWINGS WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS OF RECORD AFFIXED. ALTERATION OF A SEALED DOCUMENTS WITHOUT PRIOR NOTIFICATION OF THE RESPONSIBLE ENGINEER IS AN OFFENSE OF THE ENGINEERING PRACTICE ACT. THE USE OF REPRODUCTIONS OR ELECTRONIC FILES OF THESE CONTRACT DOCUMENTS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS OR OMISSIONS THAT MAY OCCUR HEREON. DRAWINGS REQUIRING A SPECIALTY STRUCTURAL ENGINEER (SSR) SHALL HAVE CALCULATIONS AND DRAWINGS SEALED BY A LICENSED ENGINEER IN THE STATE OF THE PROJECT.

P. SHOP DRAWINGS ARE AN AID FOR FIELD PLACEMENT AND ARE SUPERSEDED BY THE STRUCTURAL DRAWINGS. IT IS NOT THE INTENT THAT THE STRUCTURAL DRAWINGS BE VIEWED AS DETAILED SHOP DRAWINGS. CONSTRUCTION OF THE STRUCTURE MUST BE DETERMINED FROM THE INFORMATION THAT IS PROVIDED ELSEWHERE IN THE CONTRACT DOCUMENTS. IT IS THE CONTRACTOR'S AND THEIR DETAILER'S OR SUBCONTRACTORS RESPONSIBILITY TO ESTABLISH AND MAINTAIN THE CORRECT CONSTRUCTION OF THE STRUCTURE TO ACHIEVE PROPER FIT-UP OF MATERIALS AND TO ACHIEVE COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE CERTAIN THAT ALL CONSTRUCTION IS IN FULL AGREEMENT WITH THE LATEST STRUCTURAL DRAWINGS.

Q. OMISSION FROM THE SHOP DRAWINGS OF ANY REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF COMPLYING WITH THE OMITTED REQUIREMENTS, EVEN IF THE SHOP DRAWINGS HAVE BEEN REVIEWED, APPROVED AND RETURNED.

R. SHOP DRAWING REVIEW PROCESS - ALL SHOP DRAWINGS WILL BE REVIEWED AND RETURNED IN THE ORDER RECEIVED UNLESS OTHER SPECIFIC INSTRUCTIONS ARE RECEIVED. FOR PROJECTS WITH MULTIPLE WORK AREAS, THE SHOP DRAWINGS MUST BE DIVIDE INTO THE SAME OR SIMILAR AREAS WITH EACH AREA SUBMITTED INDIVIDUALLY UNDER A SEPARATE TRANSMITTAL. IF THE SHOP DRAWINGS ARE NOT DIVIDED INTO AREAS PER THE CONTRACT DOCUMENTS, THAT SUBMITTAL WILL BE REJECTED. EACH SUBMITTAL WILL BE REVIEWED INDIVIDUALLY AND REQUIRE AN INDIVIDUAL TIME FRAME OF TEN (10) WORKING DAYS PER SUBMITTAL. IF MULTIPLE SUBMITTALS ARE RECEIVED WITHIN THE REVIEW TIME FRAME OF A SUBMITTAL, THE REVIEW TIME FRAME WILL BE EXTENDED TO TEN (10) WORKING DAYS PER INDIVIDUAL REVIEW TIME FRAME THAT BEGINS ONCE THE PRIOR SUBMITTAL IS RETURNED. THIS GIVES EACH SUBMITTAL A TEN (10) WORKING DAY REVIEW WINDOW.

- DESIGN CRITERIA:**
BUILDING CODE: INTERNATIONAL BUILDING CODE, 2018 EDITION, ASCE 7-16

ROOF: 20 PSF

WIND LOAD:		
VELOCITY (BASIC)	110 MPH	THREE SECOND GUST (BASIC) ASCE 7-16
EXPOSURE	B	
RISK CATEGORY	II	
INTERNAL PRESSURE COEFFICIENT,	+/- 0.18	
G _{CPI}		

MAIN WIND FORCE RESISTING SYSTEM (MWFRS):	
MAXIMUM HORIZONTAL INTERIOR PRESSURE	24 PSF
MAXIMUM HORIZONTAL EXTERIOR PRESSURE	28 PSF
MAXIMUM GROSS UPLIFT INTERIOR ZONE	16 PSF
MAXIMUM GROSS UPLIFT EXTERIOR ZONE	23 PSF
CORNER ZONE WIDTH	12'-0" FROM EACH CORNER

COMPONENTS AND CLADDING — GROSS ROOF UPLIFT IN PSF		
ZONE	EFFECTIVE WIND AREA (SQUARE FEET)	
	10	200
INTERIOR ZONE/ZONE 1	32	16
EXTERIOR ZONE/ZONE 2	36	19
CORNERS AND OVERHANGS/ZONE 3	44	19
RELIABLE DEAD LOAD	5 PSF	
CORNER ZONE WIDTH	6'-0" FROM EACH CORNER	

COMPONENTS AND CLADDING — WALLS IN PSF		
ZONE	EFFECTIVE WIND AREA (SQUARE FEET)	
	10	200
INTERIOR ZONE/ZONE 4	21	17
EXTERIOR (CORNER) ZONE/ZONE 5	26	18
CORNER ZONE WIDTH	6'-0" FROM EACH CORNER	

ALLOWABLE SOIL BEARING CAPACITY:
(AT 2'—6" BELOW FINISHED GRADE)

TOTAL LOAD	2,000 PSF
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1. SITE PREPARATION FOR THE BUILDING PAD SHALL CONSIST OF THE REMOVAL OF EXISTING PAVEMENT, VEGETATION, ORGANIC MATTER AND ANY ADDITIONAL MATERIAL AS NECESSARY TO PROVIDE THE REQUIRED AMOUNT OF FILL UNDER THE BUILDING.
2. THE SUBGRADE SHALL BE PROFFLOORED WITH A HEAVY, RUBBER-TIRED VEHICLE (STATIC WEIGHT OF AT LEAST 20 TONS AND WITH TIRE PRESSURES OF AT LEAST 90 PSI). THE CONTRACTOR SHALL MAKE AT LEAST TWO COMPLETE PASSES OVER THE AREA WITH THE SECOND PASS PERPENDICULAR TO THE FIRST PASS. AREAS OF THE SUBGRADE THAT ARE OBSERVED TO BE SOFT OR WEAK SHALL BE OVEREXCAVATED AND REPLACED WITH PROPERLY COMPACTED SELECT FILL.
3. SUBGRADE SHALL THEN BE SCARIFIED AND MOISTURE CONDITIONED TO MATCH THE BUILDING PAD PERIMETER TO A SIX (6) INCH DEPTH AND THEN RECOMPACTED TO BETWEEN 95 AND 100 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR DENSITY TEST (ASTM D698). THE MOISTURE CONTENT SHALL BE BETWEEN OPTIMUM AND +3 PERCENT OF THE OPTIMUM MOISTURE CONTENT. PROVIDE A MINIMUM OF FOUR (4) FIELD DENSITY TESTS ON THE SUBGRADE OR ONE (1) FOR EVERY 2,500 SQUARE FEET WHICHEVER IS GREATER.
4. SELECT FILL MATERIAL FOR THE BUILDING PAD SHALL BE AN INORGANIC SANDY CLAY WITH A LIQUID LIMIT BETWEEN 26 AND 36 AND PLASTICITY INDEX BETWEEN 12 AND 20. A STRUCTURAL SELECT FILL PAD MATERIAL SHALL BE TESTED FOR ACCEPTABILITY AND A MOISTURE DENSITY CURVE SHALL BE ESTABLISHED.
5. SELECT FILL SHALL BE PLACED IN EIGHT INCH LOOSE LIFTS AND COMPACTED TO BETWEEN 95 AND 100 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR DENSITY TEST (ASTM D698). THE MOISTURE CONTENT SHALL BE BETWEEN -1 AND +3 PERCENT OF THE OPTIMUM MOISTURE CONTENT FOR SELECT FILL. SELECT FILL MATERIAL SHALL EXTEND TO 5'-0" BEYOND THE BUILDING PERIMETER. PROVIDE A MINIMUM OF FOUR (4) FIELD DENSITY TESTS ON EACH LIFT OF SELECT FILL OR ONE (1) FOR EVERY 2,500 SQUARE FEET WHICHEVER IS GREATER.
6. SELECT FILL MATERIAL SHALL BE TESTED DURING PLACEMENT OF EACH LIFT FOR THE ATTACHED LIMITS IN ACCORDANCE WITH ASTM D4318-98 METHOD B "STANDARD TEST METHOD FOR LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS" TO VERIFY THAT THE SELECT FILL MATERIAL IS IN ACCORDANCE WITH THE ORIGINALLY APPROVED SELECT FILL MATERIAL. PROVIDE A MINIMUM OF ONE (1) TEST PER LIFT OR ONE (1) FOR EVERY 2,500 SQUARE FEET WHICHEVER IS GREATER WITH A MAXIMUM OF TEN (10) PER LIFT.
7. CONTRACTOR SHALL MAINTAIN A CLEAN EXCAVATION THAT IS FREE OF WATER 100% OF THE TIME. CONTRACTOR SHALL PROVIDE PUMPS AS REQUIRED TO REMOVE ANY WATER AT ALL TIMES.
8. THE SITE SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING PAD DURING BUILDING PAD INSTALLATION AND WHEN THE BUILDING PAD AND BUILDING ARE COMPLETED.
9. PLUMBING AND UTILITY TRENCHES WITHIN THE BUILDING PAD SHALL HAVE PIPING BEDDED ON 6" MINIMUM OF CEMENT STABILIZED SAND WITH 4" MINIMUM ALL AROUND. BACKFILL IN UTILITY TRENCHES SHALL CONSIST OF COMPACTED SELECT FILL. PROVIDE A 2'-0" WIDE BENTONITE CLAY PLUG OR FAT CLAY (PI-50) FOR THE FULL DEPTH AND WIDTH OF THE UTILITY TRENCH TO A MINIMUM OF 1'-0" FROM THE BOTTOM OF THE FOUNDATION AT THE EXTERIOR FACE OF BUILDING FOUNDATIONS WHERE UTILITY TRENCHES ENTER THE BUILDING.
10. PROVIDE A MINIMUM TWELVE (12) INCH FAT CLAY CAP (PI-50) FOR A MINIMUM OF 5'-0" AROUND THE PERIMETER OF THE BUILDING. THE CAP SHALL EXTEND AS REQUIRED TO COVER THE LIMITS OF THE BUILDING PAD EXCAVATION AND SELECT FILL BUILDING PAD MATERIALS.

1. GRADE THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND SLABS. WATER SHALL NOT BE ALLOWED TO POND ADJACENT TO THE BUILDING FOUNDATIONS OR SLABS.
2. AS A MINIMUM REQUIREMENT, ALL DOWNSPOUTS FROM ROOF DRAINS AND GUTTERS SHALL BE COLLECTED AND PIPED AWAY FROM THE BUILDING. WHEN WATER IS NOT PIPED AWAY FROM THE BUILDING, DOWNSPOUTS SHALL DUMP ONTO A CAST IN PLACE 4" THICK X 3'-0" WIDE CONCRETE SWALE REINFORCED WITH #4 AT 12" ON CENTER EACH WAY AND EXTENDING 10' AWAY FROM THE BUILDING. REFER TO ARCHITECTURAL AND CIVIL FOR PAVING AND DRAINAGE.
3. TREES AND VEGETATION SHALL NOT BE ALLOWED WITHIN A DISTANCE EQUAL TO THREE QUARTERS THEIR ULTIMATE HEIGHT AWAY FROM THE BUILDING.
4. IRRIGATE VEGETATION AND SOILS ADJACENT TO BUILDING NO MORE THAN 15 MINUTES THREE TIMES A WEEK ON AN AS NEEDED BASIS TO MAINTAIN UNIFORM SOIL MOISTURE CONDITIONS AROUND THE PERIMETER OF THE BUILDING FOLLOWING CONSTRUCTION.

1. PREPARED GRADE AREA UNDER ALL BUILDING SLABS AND GRADE BEAMS SHALL BE COVERED WITH A 15 MIL WATER VAPOR RETARDER MEETING THE REQUIREMENTS OF ASTM 1745 (LATEST EDITION), CLASS A OR BETTER WITH MAXIMUM WATER PERMEANCE OF 0.01 PERCENT. THE WATER VAPOR RETARDER SHALL BE SEAMLESS. THE WATER VAPOR RETARDER SHALL BE INSTALLED, LAPPED AND TAPED WITH MANUFACTURER'S APPROVED PRODUCT IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM E 1643 (LATEST EDITION). PENETRATION SHALL BE SEALED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
2. FOUNDATION DETAILING SHOWN ON THE DRAWINGS IS BASED ON A FOUNDATION DESIGN SPECIFIED IN THE SOIL REPORT BY THOMPSON ENGINEERING, REPORT NO. 26-1119-0030, DATED AUGUST 11, 2026. THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT SHALL NOT SUPERSEDE THE REQUIREMENTS SHOWN ON THE DESIGN DRAWINGS OR IN THE SPECIFICATION. IF THE REQUIREMENTS SHOWN ON THE DRAWINGS ARE GREATER THAN THOSE EXPRESSED IN THE GEOTECHNICAL REPORT, THE CONTRACTOR IS REQUIRED TO SECURE A COPY OF THE GEOTECHNICAL REPORT FROM THE OWNER AND TO HAVE A COPY ON THE JOB SITE AT ALL TIMES FOR HIS USE AND REFERENCE.
3. FOUNDATION DETAILING SHOWN ON THE DRAWINGS IS BASED ON A MINIMUM OF ONE FOOT OF SELECT FILL MATERIAL BENEATH THE FLOOR SLAB AND SHALL EXTEND TO 5'-0" BEYOND THE BUILDING PERIMETER. PROVIDE ADDITIONAL SELECT FILL MATERIAL AS REQUIRED TO BRING THE SLAB UP TO THE FINISH FLOOR ELEVATION SHOWN IN THE CONSTRUCTION DOCUMENTS.
4. ALL BACKFILL FOR BURIED PIPES AND CONDUIT WITHIN THE BUILDING PAD AND EXTENDING OUT MINIMUM 5'-0" BEYOND THE BUILDING SHALL BE BACKFILLED WITH SELECT FILL BACKFILL. DO NOT USE SAND BACKFILL. A 2'-0" WIDE BENTONITE PLUG SHALL BE PROVIDED AT ALL WALL AND FOUNDATION JOINTS. FOR THE BUILDING FOUNDATION, SEE DETAIL 8/53.2F FOR DETAIL AT PIPE BUILDING ENTRY.
5. CONDUITS SHALL NOT BE PLACED IN THE CONCRETE SLAB. CONDUITS SHALL BE PLACED IN THE FLOOR SLAB FILL MATERIAL BENEATH THE WATER VAPOR RETARDER. ALL PENETRATIONS OF THE WATER VAPOR RETARDER SHALL BE SEALED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS. CONDUIT TRENCHES WITHIN THE BUILDING PAD SHALL BE LIMITED TO A MAXIMUM WIDTH OF TWO FEET AND BE SPACED NO CLOSER THAN FOUR FEET CENTER TO CENTER. CONDUITS STACKED WITHIN A SINGLE TRENCH SHALL BE SPACED THE MINIMUM ASPECT RATIO OF LONG SIDE TO SHORT SIDE DIMENSIONS OF THE BOUNDED SLAB AREA DOES NOT EXCEED 15 TO 1. CRACK CONTROL JOINTS SHALL BE MADE USING A "SOFT-CUT" CONCRETE SAW AS SOON AS THE SLAB WILL SUPPORT THE WEIGHT OF THE SAW AND OPERATOR WITHOUT DISTURBING THE FINAL FINISH. THIS SHOULD BE WITHIN THE FIRST SIX HOURS AFTER PLACEMENT. THE CRACK CONTROL JOINTS SHALL BE CUT A MINIMUM 1/8" DEPTH AT 1/8" INCH AND A MAXIMUM 1/4" DEPTH AT 1/4" INCH. REFER TO THE TYPICAL DETAILS AND DRAWINGS FOR INFORMATION ON CONTROL JOINTS, CONSTRUCTION JOINTS, REINFORCING DETAILS, JOINT SEALANT, AND TYPICAL JOINT LAYOUT.
6. THE FLOOR SLAB SUBGRADE SHALL BE PROPERLY COMPACTED, PROOF ROLLED AND SHALL BE FREE OF STANDING WATER, MUD AND FOREIGN SOILS.
7. SLABS ON GROUND SHALL HAVE CONSTRUCTION JOINTS OR CRACK CONTROL JOINTS (REFER TO TYPICAL DETAILS) AT EACH COLUMN LINE AND IN EACH DIRECTION. ADDITIONAL CRACK CONTROL JOINTS SHALL BE PROVIDED SUCH THAT NO AREA BOUNDED BY CONSTRUCTION AND/OR CRACK CONTROL JOINTS CONTAINS MORE THAN 250 SQUARE FEET AND THE RESULTING ASPECT RATIO OF LONG SIDE TO SHORT SIDE DIMENSIONS OF THE BOUNDED SLAB AREA DOES NOT EXCEED 15 TO 1. CRACK CONTROL JOINTS SHALL BE MADE USING A "SOFT-CUT" CONCRETE SAW AS SOON AS THE SLAB WILL SUPPORT THE WEIGHT OF THE SAW AND OPERATOR WITHOUT DISTURBING THE FINAL FINISH. THIS SHOULD BE WITHIN THE FIRST SIX HOURS AFTER PLACEMENT. THE CRACK CONTROL JOINTS SHALL BE CUT A MINIMUM 1/8" DEPTH AT 1/8" INCH AND A MAXIMUM 1/4" DEPTH AT 1/4" INCH. REFER TO THE TYPICAL DETAILS AND DRAWINGS FOR INFORMATION ON CONTROL JOINTS, CONSTRUCTION JOINTS, REINFORCING DETAILS, JOINT SEALANT, AND TYPICAL JOINT LAYOUT.
8. WHERE SLABS ARE TO RECEIVE SENSITIVE ARCHITECTURAL FLOOR FINISHES, ALL JOINTS IN THE FLOOR CONSTRUCTION SHALL BE PLACED TO ALIGN WITH JOINTS IN THE FLOOR FINISHES.

9. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING OF WALLS WHICH ARE ULTIMATELY SUPPORTED TOP AND BOTTOM. SUCH SHORING SHALL NOT BE REMOVED UNTIL ALL SUPPORTING ELEMENTS ARE IN PLACE. THE COMPACTION OF ALL BACKFILL AGAINST THE WALL HAS BEEN COMPLETED, AND THE CONCRETE IN THE WALLS AND SUPPORTING ELEMENTS HAS ATTAINED THE SPECIFIED 28 DAY COMPRESSIVE STRENGTH (F_{cc}).
10. EXCAVATIONS FOR SPREAD FOOTING, COMBINED FOOTING, CONTINUOUS FOOTINGS AND/OR MAT FOUNDATIONS SHALL BE CLEANED AND HAND TAMPED TO A UNIFORM SURFACE. FOOTING EXCAVATIONS SHALL HAVE THE SIDE AND BOTTOM TEMPORARILY LINED WITH 6 MIL VAPOR BARRIER IF CONCRETE PLACEMENT DOES NOT OCCUR WITHIN 24 HOURS OF FOOTING EXCAVATION. PERCHED SLABS MAY BE REQUIRED BASED ON GROUND WATER CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, AND COST ASSOCIATED WITH ALL SELL SLABS. REFER TO THE GEOTECHNICAL REPORT FOR GROUND WATER OR POTENTIAL PERCHED WATER CONDITIONS.
11. REINFORCEMENT PLACEMENT SEQUENCE FOR FOOTINGS AND MATS IS NOTED FOR MAJOR REINFORCEMENT BAR LAYERS ONLY. IN SPREAD FOOTINGS OR MATS, THE CONTRACTOR SHALL COORDINATE AND SEQUENCE ALL OTHER BAR PLACEMENTS AS REQUIRED TO CONFORM TO THE CONTRACT DOCUMENTS.
12. FOUNDATION CONDITIONS THAT DIFFER FROM THOSE NOTED IN THE CONTRACT DOCUMENTS OR AS DESCRIBED IN THE GEOTECHNICAL REPORT SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT, GEOTECHNICAL ENGINEER AND SER BEFORE FURTHER CONSTRUCTION IS ATTEMPTED.
13. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND SER AT LEAST 48 HOURS PRIOR TO PLACEMENT OF CONCRETE IN FOOTINGS.
14. ALL FOOTINGS SHALL BE CONSOLIDATED WITH A CONCRETE VIBRATOR AS PER THE REQUIREMENTS OF ACI 318 AND ACI 308R, LATEST EDITION.



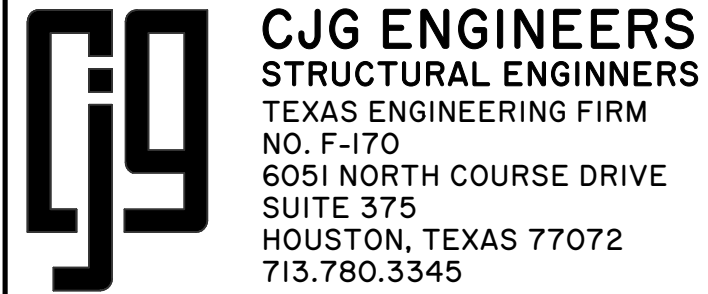
NBT
National Bank & Trust

National Bank & Trust - Bastrop

264 FM 969 BLDG. 3
BASTROP, TX 78602

Project Number : 8989

ISSUED FOR CLIENT APPROVAL	DATE
ISSUED FOR BIDDING	
ISSUED FOR PERMIT	09/10/26
ISSUED FOR CONSTRUCTION	

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10 September 2026

DRAWING TITLE	
GENERAL NOTES	
DRAWN BY JM	SHEET NO. S000
CHECKED BY BG	
APPROVED BY	

CONCRETE

1. ALL CONCRETE REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT WHERE NOTED. NO. 10 THROUGH NO. 18 BARS SHALL CONFORM TO ASTM A615, GRADE 75. DEFORMED BAR ANCHORS SHALL CONFORM TO ASTM A496, GR 70. ALL BARS SHALL BE NEW OR RECYCLED DOMESTIC BILLET STEEL OF A DOMESTIC MANUFACTURER.
2. CONCRETE IN THE FOLLOWING AREAS SHALL HAVE SAND AND CRUSHED CARBONATE AGGREGATE CONFORMING TO ASTM C33 FOR NORMAL WEIGHT CONCRETE AND LIGHT WEIGHT AGGREGATES CONFORMING TO ASTM C330, TYPE I PORTLAND CEMENT CONFORMING TO ASTM C150, AND THE FOLLOWING DESIGNATED COMPRESSIVE STRENGTH (f'c) IN 28 DAYS:

CONCRETE USE OR CLASS	MINIMUM 28 DAY COMPRESSIVE STRENGTH (f'c)	MAXIMUM WATER CEMENT RATIO	SLUMP (INCHES)
FOOTINGS	3000 PSI	0.50	5 TO 8
SLABS ON GROUND SEE NOTE 4	4000 PSI	0.45	4 TO 6
ALL OTHER CONCRETE	3000 PSI	0.50	4 TO 6

SLUMP SHALL BE MEASURED FROM SAMPLES TAKEN AT THE POINT OF DISCHARGE UNLESS AGREED TO IN WRITING PRIOR TO CONCRETE PLACEMENT

- NOTE: CONCRETE SUPPLIER SHALL BE AWARE OF CEMENTS THAT CAN CAUSE LATE ETTRINGITE FORMATION IN THE CEMENT PASTE AND BE PREPARED TO SHOW THAT THE CEMENTS USED WILL NOT CAUSE THIS PROBLEM.
3. FLY ASH MAY BE USED AS A POZZOLAN TO REPLACE A PORTION OF THE PORTLAND CEMENT IN A CONCRETE MIXTURE, SUBJECT TO THE APPROVAL OF THE ARCHITECT AND SER. FLY ASH, WHEN USED, SHALL CONFORM TO ASTM C618 TYPE "C". CONCRETE MIXTURES CONTAINING FLY ASH SHALL BE PROPORTIONED TO ACCOUNT FOR THE PROPERTIES OF THE SPECIFIC FLY ASH AND TO ACCOUNT FOR THE SPECIFIC PROPERTIES OF THE FLY ASH CONCRETE THUS RESULTING, INCLUDING BUT NOT LIMITED TO WATER CEMENT RATION AND MINIMUM 28 DAY COMPRESSIVE STRENGTH. THE RATIO OF THE AMOUNT BY VOLUME OF FLY ASH TO THE TOTAL AMOUNT BY VOLUME OF CEMENTITIOUS MATERIAL (INCLUDING THE FLY ASH) SHALL NOT EXCEED 25 PERCENT.
4. FLY ASH IS NOT PERMITTED IN SLABS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT AND SER.
5. AIR ENTRAINMENT IS REQUIRED ONLY IN HARD ROCK CONCRETE PERMANENTLY EXPOSED TO WEATHER CONDITIONS. WHERE LIGHTWEIGHT CONCRETE IS SPECIFIED, AIR ENTRAINMENT IS REQUIRED FOR ALL EXPOSURE CONDITIONS. PERCENT AIR ENTRAINMENT LISTED IS PLUS/MINUS 1.5%. DO NOT AIR-ENTRAIN INTERIOR FLOOR SLABS THAT RECEIVE HARD TROWEL FINISH.
6. CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE AS FOLLOWS; SEE SEC. 7.7 ACI 318, LATEST EDITION FOR CONDITIONS NOT NOTED. PROVIDE CHAIR SUPPORTS (AZTEC CASTLE CHAIR, OCM CRABLE CHAIRS, WHO SERIES "E" OR EQUAL) TO ADEQUATELY SUPPORT BARS FOR PROPER CLEARANCE AS RECOMMENDED BY THE AMERICAN CONCRETE INSTITUTE AND THE CONCRETE REINFORCING STEEL INSTITUTE. SLAB ON GRADE REINFORCEMENT SHALL BE SUPPORTED AT 45-INCH MAXIMUM INTERVALS 5 OR EVERY THIRD BAR. UTILITY OR CONCRETE BRICKS ARE NOT ALLOWED AS REINFORCING SUPPORTS.

MINIMUM CONCRETE COVER REQUIREMENTS	
LOCATION	MINIMUM COVER
FOOTINGS	3 INCHES
	3 INCHES BOTTOM
	2 INCHES SIDES — FORMED SURFACE
GRADE BEAMS	3 INCHES SIDES — EARTH FORMED
	1 — 1/2 INCHES TOP
SLAB ON GROUND	1 INCH TOP

7. NO HORIZONTAL JOINTS WILL BE PERMITTED IN CONCRETE EXCEPT WHERE THEY NORMALLY OCCUR OR WHERE NOTED. NO JOINTS BETWEEN PILASTERS AND GRADE BEAM THAT ARE MEANT TO BE MONOLITHIC. VERTICAL JOINTS SHALL OCCUR AT CENTER SPANS OR AT LOCATIONS APPROVED BY THE STRUCTURAL ENGINEER.
8. CONSTRUCTION JOINTS BETWEEN PIERS AND PIER CAPS OR GRADE BEAMS, FOOTINGS AND WALLS OR COLUMNS, OR WALLS, COLUMNS, BEAMS AND THE FLOOR SYSTEM THEY SHALL SUPPORT SHALL BE PREPARED BY ROUGHENING THE SURFACE CONTACT SURFACE TO A FULL AMPLITUDE ON 1/4" LEAVING THE CONTACT SURFACE CLEAN AND FREE OF ALL LAITANCE.
9. DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI PUBLICATION 315, LATEST EDITION "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" AND ACI SP -66 "DETAILING MANUAL". PLACING OF REINFORCING BARS SHALL CONFORM TO THE RECOMMENDATIONS OF ACI 318R "MANUAL OF ENGINEERING AND PLACING DRAWINGS FOR REINFORCED CONCRETE STRUCTURES" AND CRSI "MANUAL OF STANDARD PRACTICE". ALL HOOKED BARS SHOWN IN THE DETAILS SHALL HAVE STANDARD HOOKS UNLESS NOTED OTHERWISE.
10. REINFORCING BARS SHALL NOT BE WELDED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER. REINFORCING STEEL THAT REQUIRES WELDING SHALL CONFORM TO ASTM A706, WITH GRADES AS SHOWN ABOVE.
11. UNLESS BARS ARE SPECIFICALLY SHOWN IN THE BAR BENDING DIAGRAMS ON THE SCHEDULES, PROVIDE BARS AS FOLLOWS:
- A) PROVIDE STANDARD 90 DEGREE HOOK ON TOP BARS AT CANTILEVER ENDS.
- B) SPLICE BOTTOM BARS DIRECTLY OVER MEMBER SUPPORTS, UNLESS NOTED OTHERWISE.
- C) SPLICE TOP AND INTERMEDIATE BARS AT THE CENTER LINE BETWEEN MEMBER SUPPORTS, UNLESS NOTED OTHERWISE.
- D) SPLICE VERTICAL BARS IN WALLS ONLY AT FLOOR LINES, UNLESS NOTED OTHERWISE. HORIZONTAL BARS SHALL BE SPLICED AS SPECIFIED FOR TOP, BOTTOM, AND INTERMEDIATE BARS OF BEAMS.
- E) CENTER BARS NOTED AS "AT SUPT'S." OVER MEMBER SUPPORTS, AND CENTER BARS NOTES AS "BTWN. SUPT'S." BETWEEN SUPPORTS.
- F) PLACE BARS NOTED AS "2ND LAYER" BELOW THE PRIMARY TOP BARS (OR ABOVE THE PRIMARY BOTTOM BARS) AND PROVIDE #11 SPACER BARS PLACED AT INTERVALS OF 4'-0" BETWEEN THE TWO LAYERS OF BARS.
- G) SPLICE VERTICAL BARS IN COLUMNS ONLY AT FLOOR LINES, UNLESS NOTED OTHERWISE. COLUMN BAR SPLICES SHALL BE AS SHOWN IN THE COLUMN SCHEDULE.
- H) PROVIDE CORNER BARS FOR EACH HORIZONTAL BAR AT THE INSIDE AND OUTSIDE FACES OF INTERSECTING BEAMS OR WALLS. REFER TO CORNER BAR DETAILS IN THE TYPICAL DETAILS.
- I) REFER TO THE COLUMN REINFORCING DIAGRAMS FOR ADDITIONAL TIES ABOVE AND BELOW THE FLOOR FRAMING MEMBERS.
12. BARS SHOWN IN THE SCHEDULE TO HOOK AT DISCONTINUOUS ENDS SHALL HAVE THE HOOK PLACED HORIZONTALLY AT EXTERIOR CORNERS.
13. PROVIDE NO. 3 DOWELS X 2'-0" AT 1'-6" ON CENTER, WITH A 90 DEGREE HOOK AT ALL EDGES OF CONCRETE SLABS, UNLESS DETAILED OTHERWISE.
14. PROVIDE FOUNDATION DOWELS TO MATCH MASONRY WALL REINFORCEMENT. DOWELS SHALL EXTEND INTO THE CONCRETE AND CMU PER THE LAP SCHEDULES.
15. ALL CONTINUOUS REINFORCEMENT SHALL LAP 40 BAR DIAMETERS AT SPLICES. PROVIDE (I) NO. 6 X 6'-0" TOP AND BOTTOM (TWO 36" LEGS WITH 90 DEGREE BEND) AT EACH FACE OF GRADE BEAMS AT CORNERS AND INTERSECTIONS, AND AT 18" ON CENTER VERTICALLY AT WALLS.
16. PROVIDE (I) NO. 4 BAR X 4'-0" FOR ELEVATED SLABS AND (2) NO. 5 BARS X 4'-0" FOR SLAB ON GROUND AT ALL RE-ENTRANT CORNERS. PROVIDE (I) NO. 4 BAR X 4'-0" AROUND ALL RECTANGULAR OPENINGS OR COLUMN BLOCK OUTS UNLESS NOTED OTHERWISE. FOR ELEVATED SLABS, PLACE THE DIAGONAL BARS WITH 1 INCH OF CLEARANCE FROM TOP AND THE SIDES OF THE SLAB AT THE CORNERS. FOR SLAB ON GRADE, PLACE THE BARS AT MID DEPTH OR BELOW THE REINFORCING MAT AND 3 INCHES CLEAR FROM THE CORNER.
17. CONDUITS ARE NOT ALLOWED IN SLABS, BEAMS, WALLS OR COLUMNS. ALL CONDUITS SHALL BE SUSPENDED FROM OR ATTACHED TO THE CONCRETE STRUCTURE.

18. PROVIDE SLEEVES, MECHANICAL OPENINGS, CONDUITS, PIPES, RECESSES, DEPRESSIONS, CUREM AND ALL EMBEDDED ITEMS AS SHOWN ON THE ARCHITECTURAL AND MECHANICAL DRAWINGS OR AS REQUIRED BY EQUIPMENT MANUFACTURERS. MINIMUM CONCRETE BETWEEN SLEEVES SHALL BE 6". SHOP DRAWINGS SHALL CLEARLY INDICATE THE INSTALLATION OF THESE ITEMS. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED TO 3/4"x3/4" MINIMUM UNLESS NOTED OTHERWISE. DO NOT PROVIDE CHAMFERS AT INSIDE FACE OF OVERHEAD DOORS OR AT STOREFRONT OPENINGS.
19. BESIDES FOLLOWING ARTICLE 6.3 OF ACI 318 FOR EMBEDDED ITEMS FOLLOWING REQUIREMENTS SHALL BE MET:
- A) THE MINIMUM CLEAR DISTANCE BETWEEN CONDUITS AND PIPES SHALL BE 6".
- B) NONE PERMITTED IN COLUMNS WITHOUT PRIOR APPROVAL
20. ALL CONSTRUCTION JOINTS IN BEAMS AND WALLS SHALL BE PROVIDED WITH SHEAR KEYS AS SHOWN IN THE DETAILS.
21. SLEEVES PASSING HORIZONTALLY THROUGH GRADE BEAMS:
- A) LOCATE AT MIDDLE THIRD OF BEAM SPAN - MINIMUM 6" AWAY FROM AN INTERIOR MEMBER.
- B) LOCATE AT MIDDLE THIRD OF BEAM DEPTH.
- C) MAXIMUM DIAMETER OF SLEEVE TO BE ONE THIRD OF BEAM DEPTH OR 8" (WHICHEVER IS LESS).
- D) SPACING TO BE AT LEAST THREE SLEEVE DIAMETERS OR 6" (WHICHEVER IS GREATER).
- E) ADD ONE ADDITIONAL SCHEDULED STIRRUP ON EITHER SIDE OF THE SLEEVE. ADD (2) #5 X 5'-0" TOP AND BOTTOM CENTERED AT SLEEVE.
- F) NO SLEEVES LONGITUDINALLY IN BEAMS. PASS SLEEVES ONLY AT RIGHT ANGLES TO BEAMS.
22. ALL MIXING, TRANSPORTING, PLACING AND CURING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE, ACI 301, LATEST EDITION.
23. ALL CONCRETE SHALL BE CONSOLIDATED WITH A CONCRETE VIBRATOR AS PER THE REQUIREMENTS OF ACI 318 AND ACI 308R, LATEST EDITION.
24. HOT WEATHER CONCRETING SHALL CONFORM TO ACI305 AND COLD WEATHER CONCRETING SHALL CONFORM TO ACI 306.
25. ALL BASE PLATES AND ANCHOR RODS SHALL BE PROTECTED WITH 3" (MIN.) OF CONCRETE. ANCHOR RODS SHALL BE FABRICATED FROM FULL BODIED STEEL RODS CONFORMING TO ASTM F1554 GR 36, WASHERS CONFORMING TO ASTM F844 AND NUTS CONFORMING TO ASTM A194 OR A563 AND HAVING THE SAME DIAMETER AS THE BOLT DIAMETER. BOLTS SHALL BE SET USING RIGID TEMPLATES.
26. HIGH DENSITY STYROFOAM SHALL BE PANELIZED POLYSTYRENE RIGID FORM INSULATION WITH MINIMUM COMPRESSIVE STRENGTH OF 40 PSI (EPS)9 PER ASTM D6817. THICKNESS SHALL BE AS INDICATED IN DETAILS AND DRAWINGS. AVAILABLE MANUFACTURERS INCLUDE: U.C. INDUSTRIES, INC, DOW CHEMICAL COMPANY, AND AMOCO PRODUCTS COMPANY.

POST INSTALLED ANCHORS

ANCHOR MATERIALS

1. MECHANICAL ANCHORS SHALL BE TESTED AND ASSESSED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ACI 355.2 QUALIFICATION OF POST-INSTALLED MECHANICAL ANCHORS IN CONCRETE AND COMMENTARY. ACCEPTABLE MECHANICAL ANCHORS ARE AS FOLLOWS:
- EXPANSION ANCHORS SHALL BE HILTI KWIK BOLT T22
- | ANCHOR DIAMETER | MINIMUM EMBEDMENT |
|-----------------|-------------------|
| 1/2 INCH | 3-1/4" |
| 5/8 INCH | 4" |
| 3/4 INCH | 4-3/4" |
2. ADHESIVE ANCHOR SYSTEMS SHALL BE TESTED AND ASSESSED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ACI 355.4 QUALIFICATION OF POST-INSTALLED ADHESIVE ANCHORS IN CONCRETE (355.4) AND COMMENTARY. ACCEPTABLE ADHESIVE ANCHORS ARE AS FOLLOWS:

CHEMICAL ADHESIVE ANCHORS FOR CONCRETE SHALL BE HILTI HIT-HY 100 SYSTEM

ANCHOR DIAMETER OR BAR SIZE	MINIMUM EMBEDMENT
NO. 3 BAR	4"
1/2 INCH OR NO. 4 BAR	4-1/2"
5/8 INCH OR NO. 5 BAR	6"
3/4 INCH OR NO. 6 BAR	7"
7/8 INCH OR NO. 7 BAR	8"

CHEMICAL ADHESIVE ANCHORS FOR MASONRY SHALL BE HILTI HIT-HY 100 SYSTEM

ANCHOR DIAMETER OR BAR SIZE	MINIMUM EMBEDMENT
NO. 3 BAR	4"
1/2 INCH OR NO. 4 BAR	4-1/2"
5/8 INCH OR NO. 5 BAR	5-3/4"
3/4 INCH OR NO. 6 BAR	6-3/4"

3. AN APPROVED EQUAL TESTED AND ASSESSED IN ACCORDANCE WITH ACI 355.4 AND PROVIDING THE MINIMUM BOND STRESS VALUES BELOW FOR THE SPECIFIED CONDITIONS. BULK-MIXED (E.G., BUCKET-MIXED) ADHESIVES ARE NOT PERMITTED.
4. ADHESIVE ANCHORS SELECTED FROM PARAGRAPH ABOVE SHALL BE SUPPLIED AS AN ENTIRE SYSTEM. THE SYSTEM SHALL INCLUDE, BUT IS NOT LIMITED TO, MANUFACTURERS PRINTED INSTALLATION INSTRUCTIONS (MPII) AS SUPPLIED WITH THE ADHESIVE, ADHESIVE CARTRIDGE, MIXING NOZZLE, EXTENSION TUBE, DISPENSER, AND ALL REQUIRED EQUIPMENT FOR PROPERLY CLEANING THE DRILLED HOLE.
5. ANCHOR DESIGN SHALL BE IN ACCORDANCE WITH CHAPTER 17 OF ACI 318 MOST RECENT EDITION. FOR ADHESIVE ANCHORS, THE FOLLOWING MINIMUM DESIGN VALUES FOR BOND STRESS WERE ASSUMED FOR THE DESIGN USING THE ABOVE ADHESIVE ANCHOR ASSEMBLIES FOR IMPACT-OR ROCK-DRILLED HOLES:
- A) CRACKED CONCRETE BOND STRESS: CR = 2500 PSI
- B) UNCRACKED CONCRETE BOND STRESS: UNCR = 3000 PSI
6. ALL-THREADED ROD (EYEBOLTS, THREADED STUDS, INTERNAL THREADED PARTS) TO BE USED IN ADHESIVE ANCHOR ASSEMBLIES SHALL CONFORM TO ASTM A36, A193 (GRADE B7), A307, B348 (BD), F1554 OR OTHER APPROVED ANCHOR ASSEMBLY TYPES. (STAINLESS STEEL ANCHOR RODS SHALL BE AISI TYPE 304 OR TYPE 316.) THREADS SHALL BE UNC COARSE THREADS, UNLESS NOTED OTHER-WISE.
7. COMPATIBLE NUTS AND WASHERS SHALL BE FURNISHED WITH THE ALL-THREAD ROD AND CONSIDERED PART OF THE ASSEMBLY. THE COST OF THE HARDWARE SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLED ADHESIVE ANCHOR ASSEMBLY.
8. NUTS, WASHERS, AND OTHER HARDWARE USED WITH AN ALL-THREADED BAR ADHESIVE ANCHOR SYSTEM OR WITH A MECHANICAL EXPANSION ANCHOR SHALL HAVE A MATERIAL OR AN ALLOY DESIGNATION THAT IS COMPATIBLE WITH THE ANCHOR ROD/ALLOY. GALVANIZED ASSEMBLIES SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. ELECTROPLATE GALVANIZING IS NOT ACCEPTABLE. DISSIMILAR METAL ASSEMBLIES SHALL BE SEPARATED BY NYLON, EPDM, OR OTHER APPROVED NON-METALLIC WASHERS.
9. REINFORCING BARS TO BE USED IN ADHESIVE ANCHOR ASSEMBLIES (E.G., AS ANCHOR REINFORCEMENT) OR AS POST-INSTALLED REINFORCING SHALL CONFORM TO ASTM A615, A706, A995, OR A1035.

GENERAL INSTALLATION GUIDELINES

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 2,500 PSI AT THE TIME OF ADHESIVE ANCHOR INSTALLATION.
2. CONCRETE AT TIME OF ADHESIVE ANCHOR INSTALLATION SHALL HAVE A MINIMUM AGE OF 21 DAYS. FOR INSTALLATION OF ADHESIVE ANCHORS IN CONCRETE HAVING AN AGE LESS THAN 21 DAYS, TESTS SHALL BE CONDUCTED TO VERIFY THE PERFORMANCE OF THE PRODUCT IN ACCORDANCE WITH ACI 355.4.
3. THE CONCRETE TEMPERATURE AT THE TIME OF ADHESIVE ANCHOR INSTALLATION SHALL BE AT LEAST 50°F UNLESS TESTING HAS BEEN CONDUCTED IN ACCORDANCE WITH RECOGNIZED CRITERIA TO VERIFY PERFORMANCE IN CONCRETE AT LOWER TEMPERATURES.
4. EMBEDMENT DEPTH AND MINIMUM ANCHOR PROJECTION OF THE ANCHOR ELEMENT FROM THE CONCRETE SURFACE SHALL BE AS SHOWN ON THE DRAWING OR DETAIL FOR THE PARTICULAR ANCHOR OR GROUP OF ANCHORS BEING INSTALLED.
5. ADHESIVE CARTRIDGES SHALL BE STORED UNDER CONDITIONS IN COMPLIANCE WITH MANUFACTURER RECOMMENDATIONS REGARDING TEMPERATURE, EXPOSURE TO SUNLIGHT, ETC. AND EVIDENCE OF COMPLIANCE SHALL BE MADE AVAILABLE UPON REQUEST. THE USE OF EXPIRED ADHESIVE, AS INDICATED BY THE EXPIRATION DATE ON THE CARTRIDGE, IS PROHIBITED.

INSTALLATION

1. ADHESIVE ANCHORS SHALL BE INSTALLED BY QUALIFIED PERSONNEL TRAINED TO INSTALL ADHESIVE ANCHORS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. BOTH POST-INSTALLED EXPANSION AND ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII). ADHESIVE ANCHORS WITH DIAMETER GREATER THAN 5/8-INCH INSTALLED IN ORIENTATIONS FROM HORIZONTAL TO VERTICAL SHALL EMPLOY A PISTON PLUG FOR THE ADHESIVE INJECTION.
2. INSTALLATION OF ADHESIVE ANCHORS IN ORIENTATIONS FROM HORIZONTAL TO VERTICAL TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY THE ACI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM OR EQUIVALENT. THESE ANCHORS ARE DESIGNATED WITH A (CERT) AFTER THE ANCHOR CALLOUT. NOTE: SOME DOWN-HOLE INSTALLATIONS SHOWN ON DRAWINGS SUPPORT SUSTAINED TENSION LOADS AND ARE SO DESIGNATED WITH A (CERT) AFTER THE ANCHOR CALLOUT.
3. THE INSTALLER'S QUALIFICATIONS SHALL BE SUBMITTED AND APPROVED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT REQUIRED TO INSTALL THE EXPANSION AND/OR ADHESIVE ANCHOR INCLUDING, BUT NOT LIMITED TO, DRILLS, SETTING TOOLS, CLEAN OUT BRUSHES, BLOWOUT BULBS, OIL FREE COMPRESSED AIR, VACUUMS, WRENCHES, ETC.
5. UNLESS OTHERWISE SPECIFIED, ANCHORS SHALL BE INSTALLED IN HOLES DRILLED WITH A ROTARY IMPACT HAMMER DRILL OR, WHERE NOT OTHERWISE PRESCRIBED, A ROCK DRILL. WHERE SPECIFIED AND WHERE PERMITTED BY THE MPII, HOLES MAY BE DRILLED WITH A DIAMOND CORE DRILL. IN ALL CASES, THE BIT DIAMETER SHALL BE IN ACCORDANCE WITH THE MPII.
6. ANCHOR HOLES SHALL BE THOROUGHLY CLEANED IN ACCORDANCE WITH THE PROCEDURES SPECIFIED IN THE MPII PRIOR TO ADHESIVE INJECTION.
7. DRILLED AND CLEANED ANCHOR HOLES SHALL BE PROTECTED FROM CONTAMINATION AND WATER (E.G. RAIN) UNTIL THE ADHESIVE IS INSTALLED.
8. A DRILLED ANCHOR HOLE SHALL BE RE-CLEANED JUST PRIOR TO ADHESIVE INJECTION IF, IN THE OPINION OF THE ENGINEER, INSPECTOR, OR ARCHITECT'S REPRESENTATIVE, THE HOLE HAS BECOME CONTAMINATED AFTER INITIAL CLEANING.
9. ADHESIVE SHALL BE INJECTED IN ACCORDANCE WITH THE MPII USING EQUIPMENT AND PROCEDURES AS SPECIFIED THEREIN FOR THE SPECIFIC CONDITIONS ASSOCIATED WITH THE INJECTION. THIS SHOULD BE CLEARLY SPECIFIED IN THE MPII, IF NOT, ANOTHER PRODUCT SHOULD BE SPECIFIED.
10. ANCHOR ELEMENTS TO BE INSTALLED IN THE ADHESIVE SHALL BE CLEAN, OIL FREE, AND FREE OF LOOSE RUST, PAINT, OR OTHER COATINGS. THREADS ON THE PROJECTING PORTION OF THE ANCHOR ELEMENT SHALL BE PROTECTED FROM ADHESIVE CONTAMINATION.
11. INSTALLED ADHESIVE ANCHORS SHALL BE SECURELY FIXED IN-PLACE TO PREVENT DISPLACEMENT WHILE THE ADHESIVE CURES. UNLESS SHOWN OTHERWISE ON THE DRAWINGS, ANCHORS SHALL BE INSTALLED PERPENDICULAR TO THE CONCRETE SURFACE. ANCHORS DISPLACED BEFORE FULL ADHESIVE CURE SHALL BE CONSIDERED DAMAGED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
12. POST-INSTALLED REINFORCING BARS OR ALL-THREADED BARS SHALL NOT BE BENT AFTER BEING INSTALLED UNLESS PERMITTED BY THE SER.



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Project Number : 8989

ISSUED FOR CLIENT APPROVAL

ISSUED FOR BIDDING

ISSUED FOR PERMIT

ISSUED FOR CONSTRUCTION

DATE

09/10/26

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MARK	DESCRIPTION	DATE



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The information, ideas, designs, details, layouts, techniques, features, arrangements, plans, sequences, dimensions, allowances, tolerances, conceptions, specifications, intentions, technology or embodiments, as illustrated, arranged, displayed, noted, recorded, indicated, represented, disclosed, evidenced, detailed or otherwise reduced to tangible form hereon, either expressly, inherently or by implication, are the confidential and proprietary information of SLI Design, Inc., and shall not be used for any purpose other than the specific project or undertaking identified on the drawing title block or legend for which they are and have been prepared by SLI Design, Inc. Any other reproduction, disclosure or use of any portion of the confidential and proprietary information of SLI Design, Inc., shall be a breach of the obligation of confidence created by the acceptance of this drawing from SLI Design, Inc. for a specific project or Contract. Any copying, duplicating, reproducing, utilization, alteration, modification, revision or change to this drawing, is expressly prohibited unless done with the prior written consent or approval of SLI Design, Inc., and shall not be undertaken without receipt of such prior written approval. This drawing is loaned by SLI Design, Inc., for the limited purpose of complying with a specific Contract. The drawing remains the property of SLI Design, Inc., and shall be returned upon request or completion of the contract, unless specifically authorized by Contract, under which it was loaned.

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10 September 2026

DRAWING TITLE		
GENERAL NOTES		
DRAWN BY	JM	SHEET NO.
CHECKED BY	BG	S001
APPROVED BY		

STRUCTURAL STEEL

1. ALL GROUT USED UNDER STEEL COLUMN BASE PLATES SHALL BE OF NON-SHRINKABLE TYPE CONFORMING TO ASTM C1090 AND THE CORPS OF ENGINEERS SPECIFICATION CRD-C-621 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 6000 PSI. 100 PERCENT OF VOID UNDER ALL BASE PLATES IS TO BE GROUTED. ALL BASE PLATES WITH A DIMENSION GREATER THAN 24" SHALL HAVE TWO 1" DIAMETER GROUT HOLES. IF THE SPACE UNDER A COLUMN BASE PLATE IS LESS THAN 1/4", A PRESSURE INJECTION SYSTEM SHALL BE USED. PRE-GROUTING OF THE BASE PLATES IS NOT PERMITTED
2. ALL STRUCTURAL STEEL DESIGN, DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO LOAD AND RESISTANCE FACTOR DESIGN (LRFD) ACCORDING TO THE 2005 AISC SPECIFICATION.
3. ALL WELDING SHALL CONFORM TO THE STANDARDS OF THE THIRTEENTH EDITION OF THE MANUAL STEEL CONSTRUCTION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AND THE AMERICAN WELDING SOCIETY ANSI/AWS D1.1 STRUCTURAL WELDING CODE-STEEL. WELDING OF REINFORCING BARS SHALL COMPLY TO THE AMERICAN WELDING SOCIETY AWS D1.4. SHORT CIRCUIT TRANSFER FOR THE GAS METAL ARC WELDING PROCESS IS NOT PERMITTED.
4. ELECTRODES FOR ALL FIELD AND SHOP WELDING SHALL BE CLASS E70XX LOW HYDROGEN.
5. ALL STRUCTURAL STEEL ROLLED SHAPES SHALL CONFORM TO ASTM A992, AND ALL ANGLES, BARS, CHANNELS AND PLATES SHALL CONFORM TO ASTM A36. ALL SQUARE AND RECTANGULAR TUBES (Fy 50 KSI) SHALL CONFORM TO ASTM A500 GRADE C AND ROUND PIPES (Fy 50 KSI) SHALL CONFORM TO ASTM A500 GR C. ALL COLD-FORMED GIRTS AND PURLINS SHALL CONFORM TO ASTM A570M GR. 55.
6. ALL STRUCTURAL STEEL DETAILS AND CONNECTIONS SHALL CONFORM TO STANDARDS OF THE AISC. DOUBLE CONNECTIONS THROUGH COLUMN WEBS, BEAMS THAT FRAME OVER THE TOP OF COLUMNS, AND BEAM TO BEAM CONNECTIONS SHALL HAVE A BEAM ERECTION SEAT OR A STAGGERED CONNECTION WITH AT LEAST ONE INSTALLED BOLT REMAINING IN PLACE TO SUPPORT THE FIRST BEAM WHILE THE SECOND BEAM IS BEING ERECTED.
7. CONNECTIONS NOT DETAILED ON THE DRAWINGS SHALL BE SELECTED FROM THE TABLES IN PART 10 OF THE THIRTEENTH EDITION OF THE MANUAL OF STEEL CONSTRUCTION OF THE AISC. TABLE 10-1 MAY BE USED FOR ALL BOLTED DOUBLE ANGLE CONNECTIONS. TABLE 10-2 MAY BE USED FOR WELDED/BOLTED DOUBLE ANGLE CONNECTIONS. TABLE 10-3 MAY BE USED FOR ALL-WELDED DOUBLE ANGLE CONNECTIONS. BEAM REACTIONS USED SHALL BE ONE-HALF THE TOTAL ALLOWABLE UNIFORM LOAD GIVEN IN TABLE 3-6 THROUGH 3-9 IN PART 3 OF THE MANUAL OF STEEL CONSTRUCTION OF THE AISC. CONNECTIONS FOR COMPOSITE BEAMS SHALL HAVE THE STANDARD AISC CAPACITY INCREASED BY 35 PERCENT.
8. ALL MISCELLANEOUS WELDS (FIELD OR SHOP) SHALL BE MINIMUM SIZE FILLET ALL AROUND IN ACCORDANCE WITH AISC. IT IS ASSUMED TO BE THE PLATE THICKNESS OF THE THINNEST PIECE MINUS 1/16". WELDING OF CONTINUOUS MEMBERS SHALL BE A MINIMUM OF 2 INCHES OF 3/16 INCH FILLET STITCH WELDS AT 12 INCHES O.C., STAGGERED EACH SIDE, UNLESS OTHERWISE NOTED. COLUMN BASE PLATES, CAP PLATES AND STIFFENER PLATES SHALL BE WELDED ALL AROUND.
9. PROVIDE COLUMN CAP PLATES AS FOLLOWS UNLESS NOTED OR DETAILED OTHERWISE:
- A) **FOR DECK BEARING** — 1/4 INCH THICK FOR ALL HSS SECTIONS AND WIDE FLANGE SECTIONS WHERE BEAMS DO NOT FRAME INTO BOTH SIDES OF THE WEB
- B) **FOR JOIST BEARING**
- 1) K-SERIES JOISTS — 1/2 INCH THICK
- 2) LH AND DLH — 3/4 INCH THICK
- 3) JOIST GIRDERS — 1 INCH THICK
- C) **FOR BEAM BEARING** — SEE TYPICAL DETAILS OF 3/4 INCH MINIMUM UNLESS NOTED OTHERWISE
- D) **FOR MOMENT CONNECTS** — REFER TO TYPICAL MOMENT CONNECTION DETAILS
- E) ALWAYS PROVIDE CAP PLATES FOR SQUARE, RECTANGULAR, AND ROUND HSS COLUMNS
10. WEB STIFFENERS SHALL BE PROVIDED IN WIDE FLANGE SHAPES AS FOLLOWS:
- A) **COLUMN WEBS AT FULLY DEVELOPED MOMENT CONNECTIONS** — STIFFENERS SHALL BE COMPLETE PENETRATION GROOVE WELDED WITH SAME THICKNESS AND GRADE AS THE BEAM FLANGES. WHERE MOMENT CONNECTIONS OCCUR ON COLUMN FLANGES AND COLUMN WEBS, STIFFENER THICKNESS SHALL BE EQUAL THE VECTOR SUMMATION OF THE RESPECTIVE BEAM FLANGE THICKNESSES.
- B) **BEAM WEBS WHERE BEAMS BEAR ON A COLUMN** — SAME THICKNESS AND STRENGTH AS COLUMN FLANGES.
- C) **BEAM WEBS WHERE COLUMN BEARS ON A BEAM (POST UP OR STUB COLUMN)** — SAME THICKNESS AND STRENGTH AS COLUMN FLANGES.
11. PROVIDE ALL NECESSARY HOLES IN MISCELLANEOUS STRUCTURAL STEEL MEMBERS FOR ATTACHMENT OF NON-STRUCTURAL ITEMS (IE: HOLES FOR WINDOW HEAD ANCHORS). SEE ARCHITECTURAL DRAWINGS FOR REQUIREMENTS.
12. SPLICING OF STRUCTURAL STEEL MEMBERS WHERE NOT DETAILED IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
13. ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS): WHERE NOTED ON PLANS OR BY THE ARCHITECT SHALL CONFORM TO AISC 303 SECTION 10
14. ALL CONNECTION BOLTS FOR STRUCTURAL STEEL MEMBERS SHALL CONFORM TO ASTM A325 EXCEPT WHERE NOTED OTHERWISE. MINIMUM SIZE SHALL BE 3/4 INCH DIAMETER UNLESS NOTED OTHERWISE. BOLTS SHALL BE DIRECT TENSION INDICATING BOLTS CONFORMING TO ASTM F1552 WITH HARDENED WASHERS UNDER THE NUT AND SACRIFICIAL SPLINES. HEX NUTS SHALL CONFORM TO ASTM A563 AND WASHERS SHALL CONFORM TO ASTM F436.
15. SHOP BOLTED CONNECTIONS ARE PERMISSIBLE IF SUFFICIENT BOLT CLEARANCE IS AVAILABLE FOR TIGHTENING OF HIGH STRENGTH BOLTS. CLEARANCES SHALL BE IN ACCORDANCE WITH TABLE 7-16 AND 7-17 OF THE THIRTEENTH EDITION OF THE MANUAL OF STEEL CONSTRUCTION OF THE AISC. ALL STEEL MEMBERS AND ASSEMBLIES SHALL BE SHOP FABRICATED TO THE GREATEST EXTENT POSSIBLE. TRUSSES SHALL BE FULLY SHOP ASSEMBLED. FIELD SPLICES FOR SHIPPING SHALL ONLY BE AS APPROVED BY THE ENGINEER OF RECORD. THE STEEL FABRICATOR AND THE STEEL ERECTOR SHALL COORDINATE THE SHOP FABRICATION, SHIPPING AND ERECTION OF ALL STRUCTURAL MEMBERS AND ASSEMBLIES.
16. ALL BRICK SUPPORT ANGLES ARE DESIGNED TO FULLY SUPPORT THE BRICK VENEER WITH SOME NORMAL DEFLECTION AS THE BRICK IS INSTALLED. LEDGER ANGLE FOR FASCIA BRICK SUPPORT SHALL BE INSTALLED SUCH THAT THE SWEEP OR CAMBER DOES NOT EXCEED 1/8 INCH DEVIATION FROM STRAIGHT. BRICK SHALL BE INSTALLED WITHOUT SHORING THE SUPPORT ANGLE DURING CONSTRUCTION. SHORING THE BRICK DURING CONSTRUCTION CAN RESULT IN HORIZONTAL BED JOINT CRACKING WHEN THE SHORES ARE REMOVED.
17. HEADED ANCHORS SHALL BE MANUFACTURED FROM COLD DRAWN WIRE CONFORMING TO ASTM A108, GR.50 WITH FLUXED ENDS. STUDS SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE STUD WELDING EQUIPMENT IN ACCORDANCE WITH AWS D1.1. STUDS FOR EMBEDDED PLATES AND OTHER ANCHORS SHALL BE SHOP WELDED. STUDS FOR COMPOSITE BEAMS SHALL BE FIELD WELDED.
18. ALL STRUCTURAL STEEL WHICH IS OUTSIDE THE BUILDING ENVELOPE SHALL BE HOT DIPPED GALVANIZED. ZINC COATING SHALL MEET THE REQUIREMENTS OF ASTM 123-73, WITH A MINIMUM COATING CLASS OF G100 AND SHALL BE APPLIED AFTER FABRICATION. ALL FIELD WELDS SHALL BE GROUND SMOOTH AND TOUCHED UP WITH A ZINC RICH PAINT.
19. STEEL COLUMNS SHALL BE SPLICED A MINIMUM OF 4'-0" ABOVE THE FINISH FLOOR IN STORIES WHERE SPLICES OCCUR. COLUMNS SHALL BE SPLICED EVERY TWO LEVELS. COLUMNS SHALL HAVE HOLES FOR 3/4" DIAMETER SAFETY CABLES OR PLATES WITH A HOLE WELDED TO THE COLUMN. PROVIDE AN L3x3x1/4 DECK SUPPORT ANGLE ON ALL SIDES OF THE COLUMN.
20. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTOR'S SHALL COMPLY TO OSHA 29 CFR 1926 SUBPART R, SAFETY STANDARDS FOR STEEL ERECTION.

21. AS SCOPE AND PERFORMANCE DOCUMENTS, THE DRAWINGS AND SPECIFICATIONS DO NOT INDICATE OR DESCRIBE ALL OF THE WORK REQUIRED FOR THE PERFORMANCE AND COMPLETION OF THIS WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE FABRICATION AND INSTALLATION OF ALL MISCELLANEOUS METAL ITEMS INDICATED, DESCRIBED, OR IMPLIED ON THE STRUCTURAL AND/OR THE ARCHITECTURAL DRAWINGS. MISCELLANEOUS STEEL ITEMS, WITHIN AN ASSEMBLY AND NOT ATTACHED TO THE STRUCTURE, ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS WHETHER THEY ARE SHOWN OR NOT SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS. SUCH ASSEMBLIES INCLUDE BUT ARE NOT LIMITED TO, EXTERIOR AND INTERIOR WALL ASSEMBLIES, CEILING ASSEMBLIES, PARTITION ASSEMBLIES, SHELF AND CABINET ASSEMBLIES AND ALL OTHER SIMILAR ASSEMBLIES. ANY MISCELLANEOUS METAL ITEMS INDICATED ON THE ARCHITECTURAL DRAWINGS AND NOT SHOWN ON STRUCTURAL DRAWINGS SHALL BE A MINIMUM OF L4x4x1/2", C7x9.8, 3/8" PLATE OR HSS4x4x3/8" UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER.

TIMBER NOTES

1. TIMBER SHALL CONFORM TO NATIONAL DESIGN SPECIFICATION FOR STRESS GRADE LUMBER AND ITS FASTENINGS, NATIONAL FOREST PRODUCTS ASSOCIATE'S LATEST EDITION.
2. MATERIALS FOR FRAMING LUMBER SUBJECT TO BENDING STRESSES SUCH AS BEAMS, JOISTS, RAFTERS, HEADERS, AND OTHER HORIZONTAL MEMBERS SHALL BE SOUTHERN PINE NO. 2 KD (MC 15) CONSTRUCTION MINIMUM, UNLESS A HIGHER GRADE IS SHOWN ON THE DRAWINGS.
3. MATERIALS FOR STUD WALLS AND COLUMNS SHALL BE SOUTHERN PINE NO. 2 GRADE TIMBER OR EQUIVALENT DOUGLAS FIR-LARCH UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
4. MATERIALS MUST BE GRADE MARKED.
5. LAMINATED STRUCTURAL LUMBER (LSL), OTHER THAN GLULAM MEMBERS, SHALL BE PARALLEL STRAND LUMBER HAVING THE FOLLOWING MINIMUM DESIGN PROPERTIES:

MAXIMUM BENDING STRESS (Fb)	2,900 PSI
MODULUS OF ELASTICITY (E)	2,000,000 PSI
MAXIMUM COMPRESSIVE STRESS (Fc)	2,900 PSI
MAXIMUM SHEAR STRESS (Fv)	290 PSI

6. PLYWOOD ROOF DECKING SHALL BE APA RATED CD INTERIOR WITH EXTERIOR GLUE, THICKNESS AS SHOWN ON THE DRAWINGS. INSTALL PLYWOOD WITH FACE GRAIN ACROSS SUPPORTS. PROVIDE PLYWOOD SHEATHING CLIPS AT ALL FREE EDGES. PLYWOOD SPAN RATING SHALL BE 32/16. NAIL PLYWOOD TO FRAMING WITH 8d HOT-DIP GALVANIZED NAILS AS FOLLOWS:

ROOF ZONE NAILING PATTERNS:			
	FIRST 5' OF GABLED END	FIRST 4' FROM EDGE & RIDGE	ALL OTHERS
PANEL EDGES	4" O.C.	6" O.C.	6" O.C.
PANEL FIELD	6" O.C.	6" O.C.	12" O.C.

NAIL TO ALL SUPPORTS AT 4" O.C. FOR A 10'-0" SQUARE AREA AT CORNERS.

(USE 8d RING SHANK HOT-DIP GALVANIZED NAILS WHEN MEAN ROOF HEIGHT EXCEEDS 25 FEET)

7. PLYWOOD FLOOR DECKING SHALL BE APA RATED CD INTERIOR WITH EXTERIOR GLUE, THICKNESS AS SHOWN ON THE DRAWINGS. INSTALL PLYWOOD WITH FACE GRAIN ACROSS SUPPORTS. PLYWOOD SPAN RATING SHALL BE 48/24. NAIL PLYWOOD 6" O.C. ALONG PANEL EDGES AND 10" O.C. AT INTERMEDIATE SUPPORTS AND BLOCKING WITH 10d HOT-DIP GALVANIZED MINIMUM NAILS.
8. PLYWOOD WALL SHEATHING SHALL BE APA RATED CD INTERIOR WITH EXTERIOR GLUE, THICKNESAS SHOWN ON THE DRAWINGS. SPAN RATING SHALL BE 32/16. NAIL PLYWOOD AT 4" O.C. ALONG PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS AND BLOCKING WITH 10d MINIMUM NAILS UNLESS SHOWN OTHERWISE ON THE DRAWINGS. EXTERIOR GYPSUM WALL SHEATHING (SEE ARCHITECTURAL DRAWINGS) SHALL BE NAILED AT 4" O.C. ALONG PANEL EDGES AND INTERMEDIATE SUPPORTS WITH NO. 11, 1 3/4" LONG, 7/16" HEAD HOT-DIP GALVANIZED NAILS MINIMUM.
9. DOUBLE JOISTS UNDER ALL PARTITIONS PARALLEL WITH JOISTS. LAP JOISTS 4 INCHES MINIMUM OVER DROPPED BEAMS AND BEARING PARTITIONS.
10. UNLESS OTHERWISE NOTED ON THE PLANS PROVIDE FIVE JOISTS DIRECTLY BELOW ALL LOAD BEARING PARTITIONS WHEN FLOOR JOISTS ARE PARALLEL TO PARTITIONS. WHEN LOAD BEARING PARTITIONS ARE PERPENDICULAR TO JOISTS USE DOUBLE JOISTS AT EACH LOCATION WHERE PARTITION CROSSES JOISTS, AND SOLID DOUBLE BLOCKING CONTINUOUSLY UNDER WALL. DOUBLE JOISTS EACH SIDE OF CHASE WALLS PARALLEL WITH JOISTS AND PROVIDE 2x SOLID BLOCKING AT 48 INCHES ON CENTER BETWEEN DOUBLE JOISTS.
11. BRIDGING BETWEEN JOISTS AND RAFTERS SHALL BE 1x4 WOOD OR 16 GAGE HOT-DIP GALVANIZED STEEL CROSS-BRIDGING OR 2x SOLID BRIDGING AT ALL BEARING LOCATIONS AND AT 8 FOOT MAXIMUM INTERVALS.
12. BEAMS MADE UP OF MULTIPLE 2x PIECES SHALL NOT BE SPLICED EXCEPT OVER SUPPORTS. ALL MULTI PLY MEMBER BEAMS SHALL BE ATTACHED TOGETHER BY GLUEING AND NAILING WITH 10d NAILS AT 6" O.C. TOP AND BOTTOM FOR EACH PLY. FLITCH BEAMS WITH STEEL PLATES SHALL BE BOLTED TOGETHER WITH 1/2" DIAMETER HOT-DIP GALVANIZED A307 THRU BOLTS AT 1'-0" O.C. STAGGERED FROM TOP TO BOTTOM.
13. PROVIDE TRIPLE STUDS AT ALL CORNERS AND AT ALL BEAM BEARINGS THROUGH TO FOUNDATION UNLESS NOTED OTHERWISE. PROVIDE STUDS AT BEAM BEARINGS TO MATCH BEAM WIDTH WHERE BEAM WIDTH EXCEEDS 4 1/2 INCHES.
14. ANCHOR WOOD SILLS (PRESSURE TREATED) TO CONCRETE WITH 1/2" DIA. x 9" LONG HOT-DIP GALVANIZED, HOOKED ANCHOR BOLTS WITH 3/16" WIDE TYPE 'B' HOT-DIP GALVANIZED WASHERS EMBEDDED 7" MINIMUM AT 48 INCHES MAX. O.C. AT CORNERS AND DOOR OPENINGS PROVIDE ONE ANCHOR BOLT AT 8 INCHES IN EACH DIRECTION FROM CORNER. PROVIDE TWO BOLTS MINIMUM PER PIECE OF SILL PLATE.
15. HOLES NO GREATER THAN 1/3 THE DEPTH OF THE JOIST MAY BE CUT HORIZONTALLY THRU JOISTS AND SHALL NOT BE WITHIN 2 INCHES OF THE TOP OR BOTTOM OF THE JOIST.
16. PREFABRICATED TIMBER TRUSSES SHALL BE FABRICATED BY A CERTIFIED TIMBER TRUSS MANUFACTURER.
17. TRUSSES SHALL BE FABRICATED WITH WOOD CHORDS AND WEBS IN ACCORDANCE WITH THE NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION, ANSI/TPI 1, LATEST EDITION, BY THE TRUSS PLATE INSTITUTE.
18. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY BRACING FOR TIMBER TRUSSES. BRACING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS FOR BRACING WOOD TRUSSES, PUBLICATION H1B, LATEST EDITION, BY THE TRUSS PLATE INSTITUTE.
19. TRUSS MANUFACTURER SHALL SUBMIT DRAWINGS FOR APPROVAL SHOWING ALL MEMBER FORCES, SIZES AND CONNECTORS. DRAWINGS SHALL BE SEALED BY A LICENSED ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED. ALL TEMPORARY AND PERMANENT BRACING OF THE TRUSSES SHALL BE DESIGNED AND DETAILED BY A LICENSED ENGINEER. CHANGES IN THE TRUSS LAYOUT SHOWN ON THE CONTRACT DRAWINGS BY THE TRUSS MANUFACTURER WILL REQUIRE CHANGES IN THE LOCATIONS AND QUANTITIES OF ROOF TRUSS AND ROOF GIRDER TRUSS UPLIFT ANCHORS AND HOLDDOWNS AND SHEARWALL SIZES, LOCATIONS AND HOLDDOWNS. GENERAL CONTRACTOR SHALL COORDINATE ANY CHANGES IN THE TRUSS LAYOUT WITH THE ENGINEER OF RECORD. ADDITIONAL DESIGN SERVICES DUE TO THESE CHANGES WILL BE CHARGED TO THE GENERAL CONTRACTOR.
20. TYPICAL TRUSS LOADING IS SHOWN ON THE DRAWINGS. THE MANUFACTURER SHALL EXAMINE THE DRAWINGS FOR SPECIAL CONDITIONS AND/OR LOADS NOT SHOWN AND PROVIDE FOR SUCH IN THE DESIGN.
21. AT BUILDING ENDS, SPECIAL GABLE-END TRUSSES SHALL BE USED. TRUSSES SHALL BE DESIGNED AND FABRICATED WITH VERTICAL STUDS NO MORE THAN 16 INCHES ON CENTER. NARROW FACE OF STUD SHALL BE PARALLEL TO FACE OF EXTERIOR WALL OR NARROW FACE OF STUD MAY BE PERPENDICULAR TO EXTERIOR FACE OF BUILDING. STUDS SHALL BRACED AS REQUIRED FOR THE DESIGN WIND LOAD. AT GABLE END WALLS, STUDS SHALL BE BALLOON FRAMED TO THE BOTTOM OF THE TRUSS.
22. PLANS AND DETAILS FOR FRAMING ARE A SCHEMATIC REPRESENTATION OF THE FRAMING AT VARIOUS LOCATIONS AND CONDITIONS ON THIS PROJECT. THE CONTRACTOR SHALL NOT SCALE OR COUNT FRAMING MEMBERS SHOWN AS A SUBSTITUTE FOR SHOP DRAWINGS AND AN ACCURATE QUANTITY TAKEOFF. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FRAMING NECESSARY TO COMPLETELY FRAME THE PROJECT AND PROVIDE FOR ALL CONDITIONS SHOWN ON THE ARCHITECTURAL DRAWINGS.
23. JOIST AND RAFTER HANGERS, TIES, HOLDDOWNS AND OTHER PRE-ENGINEERED CONNECTORS SHALL BE "SIMPSON STRONG-TIE" OR APPROVED EQUAL. SIZE AND USAGE SHALL BE AS SHOWN ON THE DRAWINGS, SPECIFIED IN THESE NOTES AND AS RECOMMENDED BY THE MANUFACTURER. ALL CONNECTORS SHALL BE POST HOT-DIP GALVANIZED COATED AFTER FABRICATION OR STAINLESS STEEL.
24. INSTALL A SIMPSON "H1O" OR TWO (2) -"H2.5A" METAL TIES AT THE CONNECTION BETWEEN ALL RAFTERS OR TRUSS ENDS WHERE THEY BEAR ON A WOOD SUPPORT FOR 10'-0" IN ANY DIRECTION FROM BUILDING CORNERS. DOUBLED UP CLIPS SHALL BE INSTALLED DIAGONALLY ACROSS FROM EACH OTHER ON OPPOSITE SIDES OF THE TOP PLATE. INSTALL A SIMPSON "H2.5A" AT ALL OTHER TRUSS ENDS. METAL ANCHORS AT ROOF GIRDER TRUSS LOCATIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE TABLE PROVIDED ON THE DRAWINGS. SIZE AND USAGE SHALL BE VERIFIED BY THE STRUCTURAL ENGINEER.
25. INSTALL A SIMPSON "H2.5A" METAL TIE AT THE TOP AND A SIMPSON "H3" METAL TIE AT THE BOTTOM OF EVERY EXTERIOR STUD WHERE THE STUD JOINS THE TOP PLATE AND SILL PLATE. WHERE AN "H2.5A" METAL TIE IS REQUIRED AT TRUSS ENDS, INSTALL TWO (2) - "H3" METAL TIES AT THE BOTTOM OF EVERY EXTERIOR STUD WHERE THE STUD JOINS THE SILL PLATE. WHERE "H1O" TIES IS REQUIRED AT TRUSS ENDS, DOUBLED UP CLIPS SHALL BE INSTALLED DIAGONALLY ACROSS FROM EACH OTHER ON OPPOSITE SIDES OF THE TOP PLATE OR BOTTOM SILL PLATE.

26. ALL TIMBER OUTSIDE THE BUILDING ENVELOPE SHALL BE PRESSURE TREATED. ALL CONNECTIONS OUTSIDE THE BUILDING ENVELOPE SHALL BE MADE WITH HOT-DIP GALVANIZED BOLTS OR NAILS.



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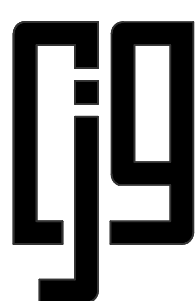
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GENERAL NOTES		
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STRUCTURAL TESTING AND INSPECTIONS

EARTHWORK TESTING

- I. DURING EARTHWORK OPERATIONS KEEP A COMPETENT TRAINED TECHNICIAN ASSIGNED TO THE PROJECT. SERVICES PROVIDED SHALL INCLUDE:
- A) OBSERVE STRIPPING OPERATIONS AND EVALUATE THE REQUIRED STRIPPING DEPTH DURING THESE OPERATIONS.
- B) OBSERVE PROOFROLLING OPERATIONS AFTER SITE STRIPPING. DETERMINE IF ANY SOFT SPOTS NEED TO BE UNDERCUT TO FIRM SOILS, REPLACED WITH SELECT FILL AND RECOMPACTED.
- C) VERIFY THAT THE SUBGRADE SHALL THEN BE SCARIFIED AND MOISTURE CONDITIONED TO A SIX (6) INCH DEPTH AND THEN RECOMPACTED TO BETWEEN 95 AND 100 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR DENSITY TEST (ASTM D698). THE MOISTURE CONTENT SHALL BE BETWEEN OPTIMUM AND +3 PERCENT OF THE OPTIMUM MOISTURE CONTENT. PROVIDE A MINIMUM OF FOUR (4) FIELD DENSITY TESTS ON THE SUBGRADE OR ONE (1) FOR EVERY 2,500 SQUARE FEET WHICHEVER IS GREATER.
- D) STRUCTURAL SELECT FILL PAD MATERIAL SHALL BE TESTED FOR ACCEPTABILITY AND A MOISTURE DENSITY CURVE SHALL BE ESTABLISHED. SELECT FILL MATERIAL SHALL BE AN INORGANIC SANDY CLAY WITH LIQUID LIMIT BETWEEN 26 AND 35 AND PLASTICITY INDEX BETWEEN 12 AND 20.
- E) SELECT FILL SHALL BE PLACED IN EIGHT INCH LOOSE LIFTS AND COMPACTED TO BETWEEN 95 AND 100 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR DENSITY TEST (ASTM D698). THE MOISTURE CONTENT SHALL BE BETWEEN -1 AND +3 PERCENT OF THE OPTIMUM MOISTURE CONTENT FOR SELECT FILL.
- F) SELECT FILL MATERIAL SHALL BE TESTED DURING PLACEMENT OF EACH LIFT FOR THE ATTERBERG LIMITS IN ACCORDANCE WITH ASTM D4318-98 METHOD B "STANDARD TEST METHOD FOR LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS" TO VERIFY THAT THE SELECT FILL MATERIAL IS IN ACCORDANCE WITH THE ORIGINALLY APPROVED SELECT FILL MATERIAL. PROVIDE A MINIMUM OF ONE (1) TEST PER LIFT OR ONE (1) FOR EVERY 2,500 SQUARE FEET WHICHEVER IS GREATER WITH A MAXIMUM OF TEN (10) PER LIFT.
- G) OBSERVE THE EXCAVATION DAILY AND ENSURE THAT THE CONTRACTOR MAINTAINS A CLEAN EXCAVATION THAT IS FREE OF WATER 100% OF THE TIME. CONTRACTOR SHALL PROVIDE PUMPS AS REQUIRED TO REMOVE ANY WATER AT ALL TIMES.
- H) OBSERVE GRADING OPERATIONS TO ENSURE THAT PROPER DRAINAGE AWAY FROM THE BUILDING PAD IS PROVIDED.

SPREAD FOOTINGS TESTING

- I. DURING SPREAD FOOTING OPERATIONS KEEP A COMPETENT TRAINED TECHNICIAN ASSIGNED TO THE PROJECT. SERVICES PROVIDED SHALL INCLUDE:
- A) OBSERVING THE BOTTOM OF FOOTING FOR CLEANLINESS.
- B) CHECKING FOOTING BOTTOM FOR PROPER BEARING MATERIAL.
- C) NOTING DEPTH AND SIZE OF ALL FOOTINGS.
- D) VERIFY QUANTITY, SIZE AND LOCATION OF REINFORCEMENT AND CLEAR COVER REQUIREMENTS.
- E) CHECK FOR CAVING OF FOOTING WALLS.
- F) CHECKING THAT THE PILASTER IS CONCENTRIC WITH THE FOOTING.
- G) CHECKING THAT COLUMN OR GRADE BEAM DOWELS ARE LOCATED PROPERLY.
2. ENSURE THAT THE SPOILS FROM THE FOOTING EXCAVATIONS ARE REMOVED FROM THE BUILDING PAD.

CONCRETE TESTING

- I. CONCRETE MIX DESIGNS SHALL BE SUBMITTED FOR REVIEW INDICATING CONFORMANCE WITH ACI 301, LATEST EDITION, CHAPTER 4, SECTION 4.2.3.
2. SLUMP TESTS, CONFORMING TO ASTM C143, SHALL BE TAKEN AT THE POINT OF DISCHARGE AT THE SAME RATE AS NOTED BELOW IN NOTE NUMBER 5.
3. AIR CONTENT TESTS CONFORMING TO ASTM C173, VOLUMETRIC METHOD FOR LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE; ASTM C231 PRESSURE METHOD FOR NORMAL WEIGHT CONCRETE; SHALL BE TAKEN FOR EACH DAY'S POUR OF EACH TYPE OF AIR-ENTRAINED CONCRETE.
4. CONCRETE TEMPERATURE SHALL BE TESTED HOURLY WHEN AIR TEMPERATURE IS 40 DEG F (4 DEG C) AND BELOW, WHEN 80 DEG F (27 DEG C) AND ABOVE, AND EACH TIME A SET OF COMPRESSION TEST SPECIMENS IS MADE.
5. ONE SET OF FOUR COMPRESSION TEST SPECIMENS CONFORMING TO ASTM C31 SHALL BE MOLDED AND STORED FOR LABORATORY-CURED SPECIMENS. COMPRESSIVE STRENGTH TESTS SHALL CONFORM TO ASTM C39 AND SHALL CONSIST OF ONE SET FOR EACH DAY'S POUR EXCEEDING 5 CU. YDS. PLUS ADDITIONAL SETS FOR EACH 50 CU. YDS. MORE THAN THE FIRST 25 CU. YDS OF EACH CONCRETE CLASS PLACED IN ANY ONE DAY. ONE SPECIMEN SHALL BE TESTED AT 7 DAYS, TWO SPECIMENS SHALL BE TESTED AT 28 DAYS, AND ONE SPECIMEN SHALL BE RETAINED FOR LATER TESTING AS REQUIRED.
6. VERIFY CONCRETE IS BEING CONSOLIDATED IN ACCORDANCE WITH THE RECOMMENDATIONS OF ACI 318 AND ACI 308R, LATEST EDITION.
7. VERIFY THAT POST INSTALLED ANCHORS ARE AS SPECIFIED AND THAT THE ANCHORS ARE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.

REINFORCING STEEL INSTALLATION

- I. DURING CAST-IN-PLACE CONCRETE STRUCTURAL MEMBER REINFORCING PLACEMENT OPERATIONS KEEP A COMPETENT TRAINED TECHNICIAN ASSIGNED TO THE PROJECT. INSPECT REINFORCING UTILIZING ACI 311-4R "GUIDE FOR CONCRETE INSPECTION" AS A GUIDE. SERVICES PROVIDED SHALL INCLUDE:
- A) VERIFY TYPE AND GRADE OF ALL REINFORCING STEEL.
- B) VERIFY REBAR IS FREE OF OIL, DIRT, EXCESSIVE RUST AND FROM DAMAGE IN SHIPMENT TO SITE.
- C) VERIFY REINFORCING IS ADEQUATELY TIED, CHAIRED AND SUPPORTED TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT.
- D) VERIFY MINIMUM AND MAXIMUM CLEAR DISTANCES BETWEEN BARS AND MINIMUM STRUCTURAL DISTANCE TO OUTSIDE OF CONCRETE.
- E) VERIFY QUANTITY, SIZE AND LOCATION OF REINFORCEMENT.
- F) VERIFY MINIMUM CONCRETE COVER IS MAINTAINED BETWEEN REBAR AND SURFACE OF CONCRETE.
- G) VERIFY SIZE AND PLACEMENT OF REBAR. VERIFY LAP LENGTHS, LOCATIONS AND STAGGERS AND VERIFY BENDS FOR MINIMUM DIAMETER, SLOPE AND LENGTH. VERIFY HOOKED BAR LENGTHS AND LOCATIONS.

POST INSTALLED ANCHORS — FIELD QUALITY CONTROL

- I. THE INTERNATIONAL BUILDING CODE (IBC 2018) REQUIRES SPECIAL INSPECTION OF ALL POST-INSTALLED ANCHORS. ACI 318-19 SECTIONS 26.13.1.5 AND 26.13.1.6 REQUIRE THAT ALL INSPECTIONS OF MECHANICAL AND ADHESIVE ANCHORS, RESPECTIVELY, ARE PERFORMED BY A CERTIFIED FIELD INSPECTOR SPECIFICALLY APPROVED FOR THAT PURPOSE BY THE SER AND THE BUILDING OFFICIAL. CERTIFICATION IS ESTABLISHED THROUGH AN INDEPENDENT ASSESSMENT SUCH AS THE ACI POST-INSTALLED CONCRETE ANCHOR INSTALLATION INSPECTOR PROGRAM OR SIMILAR PROGRAM WITH EQUIVALENT REQUIREMENTS. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS SHALL BE CONTINUOUSLY INSPECTED DURING INSTALLATION BY A CERTIFIED INSPECTOR.
2. POST-INSTALLED EXPANSION AND ADHESIVE ANCHORS SHALL BE PROOF LOADED AS REQUIRED IN THE CONTRACT DOCUMENTS. A PERCENTAGE OF EACH TYPE AND SIZE OF EACH TYPE OF SIZE OF ANCHOR ASSEMBLY SHALL BE PROOF LOADED IN TENSION BY AN INDEPENDENT TESTING LABORATORY UNLESS OTHERWISE SHOWN ON THE CONTRACT DOCUMENTS.
- A) PROOF LOADING SHALL BE CONDUCTED AS CONFINED TENSION TESTING FOR ADHESIVE ANCHORS USING A CENTER-HOLE CYLINDER.
- B) THE INDEPENDENT TESTING LABORATORY SHALL SUBMIT AN ANCHORAGE TESTING PLAN TO THE SER TO ENSURE THE TESTING REQUIREMENTS ARE FULFILLED.
- C) PROOF LOAD RANDOM SAMPLE RATES AS FOLLOWS:

TYPE OF ANCHOR	SAMPLE RATE (PERCENT)
REINFORCING FOR SLAB ON GROUND	5
REINFORCING — GRADE BEAMS	30
REINFORCING — CONCRETE BEAMS	50
REINFORCING — CONCRETE COLUMNS	50
ANCHOR BOLTS NEW OR REPLACEMENT — SHEAR ONLY	25
ANCHOR BOLTS NEW OR REPLACEMENT — MOMENT FRAMES	50
ANCHORS FOR SHEAR TABS/PLATES OR ANGLES	30
ANCHORS IN TENSION — STRUCTURAL MEMBERS	50
ANCHORS IN TENSION — NON-STRUCTURAL MEMBERS	25
ANCHORS SUPPORTING LIFE SAFETY DEVICES	100

3. POST-INSTALLED EXPANSION AND ADHESIVE ANCHORS SHALL BE PROOF LOADED TO LOAD LEVELS AS SHOWN ON THE CONTRACT DOCUMENTS, OR AS INDICATED ON THE STRUCTURAL DRAWINGS FOR THE SPECIFIC ANCHOR TYPES ABOVE. PROOF LOADING OF ADHESIVE ANCHORS SHALL BE PERFORMED AFTER A MINIMUM CURING PERIOD SPECIFIED BY THE MANUFACTURER.
4. ANCHORS SHALL HAVE NO VISIBLE INDICATIONS OF DISPLACEMENT OR DAMAGE DURING OR AFTER PROOF LOAD APPLICATION. CONCRETE CRACKING IN THE VICINITY OF THE ANCHOR AFTER LOADING SHALL BE CONSIDERED A FAILURE.
5. IF AN ANCHOR FAILS, MODIFY ALL INSTALLATIONS OF THE SAME TYPE AND RETEST UNTIL SATISFACTORY RESULTS ARE ACHIEVED
6. IF MORE THAN 5 PERCENT OF THE TESTED ANCHORS FAIL TO ACHIEVE THE SPECIFIED PROOF LOAD WITHIN THE LIMITS DEFINED ON THESE DRAWINGS, THEN 100 PERCENT OF THE ANCHORS OF THE SAME DIAMETER AND TYPE AS THE FAILED ANCHOR SHALL BE PROOF TESTED, UNLESS OTHERWISE DIRECTED BY THE SER.
7. PROVIDE WRITTEN FASTENER LOAD TEST REPORTS AND INTERMITTENT SPECIAL INSPECTION REPORTS OF POST INSTALLED FASTENERS AS THE WORK PROGRESSES.

STRUCTURAL STEEL TESTING

- I. CERTIFY WELDERS FOR THE WELD TYPES IN THE PROJECT AND CONDUCT INSPECTIONS AND TESTS AS REQUIRED, AS A MINIMUM, WELDERS SHALL BE AISC CERTIFIED. RECORD TYPES AND LOCATIONS OF DEFECTS FOUND IN WORK. RECORD WORK REQUIRED AND PERFORMED TO CORRECT DEFICIENCIES.
2. VISUALLY INSPECT 100% OF ALL FILLET WELDS.
3. VISUALLY INSPECT 100% OF ALL FULL PENETRATION WELDS, TEST 20% OF ALL FULL PENETRATION WELDS BY ONE OF THE FOLLOWING METHODS: LIQUID PENETRANT INSPECTION (ASTM E165), MAGNETIC PARTICLE INSPECTION (ASTM E709; PERFORMED ON THE ROOT PASS AND ON THE FINISHED WELD; CRACKS AND ZONES OF INCOMPLETE FUSION OR PENETRATION IS NOT ACCEPTABLE). RADIOGRAPHIC INSPECTION (ASTM E94 AND ASTM E142; MINIMUM QUALITY LEVEL OF "2-2T"), OR ULTRASONIC INSPECTION (ASTM E164). IF FAILURE RATE IS 20% OR GREATER, TEST 100% OF WELDS AT CONTRACTOR'S EXPENSE UNTIL FAILURE RATE FALLS BELOW 20%.
4. ALL WELDS THAT FAIL SHALL BE REWELDED AND RETESTED UNTIL THEY PASS THE TEST. TEST TWO ADDITIONAL WELDS AT THE CONTRACTOR'S EXPENSE FOR EVERY WELD FAILURE.
5. BOLTS SHALL BE VISUALLY INSPECTED WHEN TWIST-OFF SPLINES ARE USED, OTHERWISE BOLTS SHALL BE SNUG TIGHT.
6. ALL FULL PENETRATION WELDS AT MOMENT CONNECTIONS REQUIRING TESTING SHALL BE TESTED AND CERTIFIED BY AN INDEPENDENT TESTING LABORATORY USING NON-DESTRUCTIVE TESTING METHODS. FOR SNUG WELDS, CERTIFICATION SHALL BE SUBMITTED PRIOR TO SHIPPING TO THE JOB SITE. FOR FIELD WELDS, CERTIFICATION SHALL BE SUBMITTED PRIOR FLOOR DECK INSTALLATION AND CONCRETE PLACEMENT AND PRIOR TO COVERING CONNECTIONS WITH FIREPROOFING OR ARCHITECTURAL FINISHES.

MASONRY TESTING

- I. MASONRY TESTING SHALL CONSIST OF A QUALIFIED TESTING LABORATORY PROVIDING THE FOLLOWING SERVICES:
- A) VERIFY QUANTITY, SIZE AND SPACING OF REQUIRED REINFORCING SHOWN ON THE DRAWINGS.
- B) OBSERVE THE INSTALLATION OF MASONRY UNITS.
- C) INSPECTION OF GROUT SPACE, IMMEDIATELY PRIOR TO CLOSING OF CLEANOUTS AND PRIOR TO ALL GROUTING OPERATIONS. VERIFY THAT THE SPECIFIED CELLS HAVE BEEN FULLY GROUTED.
- D) MONITOR THE PROPORTIONING, MIXING AND CONSISTENCY OF MORTAR AND GROUT. PROVIDE 28 DAY COMPRESSIVE STRENGTH TESTS ON EACH GROUT MIX IN ACCORDANCE WITH ASTM C1019. COMPRESSIVE TEST MASONRY PRISMS FOR EACH TYPE OF WALL. CONSTRUCTION IN ACCORDANCE WITH ASTM C1314. CONTRACTOR SHALL PREPARE ONE SET OF PRISMS FOR TESTING AT 28 DAYS. TESTS ARE TO BE CONDUCTED FOR EACH 2000 SQUARE FEET OF WALL INSTALLED, BUT NOT LESS THAN TWO TESTS.

SPECIAL INSPECTIONS AND STRUCTURAL TESTING

SPECIAL INSPECTION WORK AND THE FINAL LETTER OF COMPLIANCE HAVE NOT BEEN INCLUDED IN THE STRUCTURAL ENGINEER OF RECORD'S SCOPE OF SERVICES. THE OWNER IS RESPONSIBLE FOR OBTAINING THE SERVICES OF THE SPECIAL INSPECTOR AND THE TESTING LABORATORY. SPECIAL INSPECTIONS CAN BE PROVIDED BY AN INDEPENDENT SPECIAL INSPECTOR APPROVED BY THE BUILDING AUTHORITY. THE SPECIAL INSPECTION WORK DOES NOT INCLUDE THE TESTING LABORATORY SERVICES AS CALLED FOR ON THE DRAWINGS. ARRANGEMENTS FOR SPECIAL INSPECTIONS SHOULD BE MADE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE TESTING LABORATORY AND SPECIAL INSPECTOR IN A TIMELY MANNER PRIOR TO PROCEEDING WITH CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK REQUIRING INSPECTIONS WITHOUT THE TESTING LABORATORY'S OR SPECIAL INSPECTOR'S PRESENCE.

STRUCTURAL STATEMENT OF SPECIAL INSPECTIONS

THE STRUCTURAL SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL STRUCTURAL INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO THE OWNER AND THE STRUCTURAL REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE (SRDP). DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE SRDP. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES.

A FINAL REPORT OF SPECIAL INSPECTION DOCUMENTING COMPLETION OF ALL SPECIAL INSPECTIONS, TESTING AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE OWNER AND THE SRDP PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY AND USE.

STRUCTURAL SCHEDULE OF SPECIAL INSPECTIONS

QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS

THE QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION AND TESTING ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE OWNER. THE CREDENTIALS OF ALL INSPECTORS AND TESTING TECHNICIANS SHALL BE PROVIDED TO THE SPECIAL INSPECTOR FOR THEIR RECORDS.

KEY FOR MINIMUM QUALIFICATION OF INSPECTION AGENTS

WHEN THE REGISTERED DESIGN PROFESSION IN RESPONSIBLE CHARGE OR SPECIAL INSPECTOR OF RECORD DEEMS APPROPRIATE THAT THE INDIVIDUAL PERFORMING THE STIPULATED TEST OR INSPECTION HAVE A SPECIFIC CERTIFICATION, LICENSE OR EXPERIENCE AS INDICATED BELOW, SUCH REQUIREMENT SHALL BE LISTED BELOW AND SHALL BE CLEARLY IDENTIFIED WITHIN THE SCHEDULE UNDER THE AGENT QUALIFICATION DESIGNATION.

PE/SE STRUCTURAL ENGINEER
A LICENSED SE OR PE SPECIALIZING IN THE DESIGN OF BUILDING STRUCTURES

PE/GE GEOTECHNICAL ENGINEER
A LICENSED PE SPECIALIZING IN SOIL MECHANICS AND FOUNDATIONS

EIT OR ENGINEER IN TRAINING
A GRADUATE ENGINEER WHO HAS PASSED THE FUNDAMENTALS OF ENGINEERING EXAM

EXPERIENCED TESTING TECHNICIAN

ETT OR EXPERIENCED TESTING TECHNICIAN
AN EXPERIENCED TESTING TECHNICIAN WITH A MINIMUM OF 5 YEARS EXPERIENCE WITH THE STIPULATED TEST OR INSPECTION

AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION
ACI-CFTT CONCRETE FIELD-TESTING TECHNICIAN - GRADE I
ACI-CCI CONCRETE CONSTRUCTION INSPECTOR
ACI-LTT LABORATORY TESTING TECHNICIAN - GRADE I&2
ACI-STT STRENGTH TESTING TECHNICIAN

AMERICAN WELDING SOCIETY (AWS) CERTIFICATION
AWS-CWI CERTIFIED WELDING INSPECTOR
AWS/AISC-SSI CERTIFIED STRUCTURAL STEEL INSPECTOR

CHAPTER 17 OF THE 2018 INTERNATIONAL BUILDING CODE IS INTERPRETED TO REQUIRE SPECIAL INSPECTION FOR THE FOLLOWING ITEMS IN THE FOLLOWING TABLES:

SCHEDULE OF SPECIAL INSPECTIONS				
VERIFICATION/INSPECTION	SOIL/FOUNDATION INSPECTION		AGENT	
IBC SECTION 1705.8, TABLE 1705.8	EXTENT CONTINUOUS, PERIODIC	COMMENTS	PE/GE, EIT OR ETT	
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	PERIODIC			ETT
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	PERIODIC			ETT
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	PERIODIC			ETT
4. VERIFY USE OF PROPER MATERIALS, DEBITES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	CONTINUOUS			ETT
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	PERIODIC			ETT

SCHEDULE OF SPECIAL INSPECTIONS				
VERIFICATION/INSPECTION	CONCRETE INSPECTION		AGENT	
IBC SECTION 1705.3, TABLE 1705.3	EXTENT CONTINUOUS, PERIODIC	COMMENTS	PE/GE, EIT OR ETT	
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	PERIODIC	ACI 318- Ch. 20, 26.2, 26.3, 26.8.1-26.8.3 IBC 1908.4		ETT
2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706 B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" C. INSPECT ALL OTHER WELDS	PERIODIC PERIODIC CONTINUOUS	 AWS D14 ACI 318- 26.8.4		AWS-CWI
3. INSPECT ANCHORS CAST IN CONCRETE	PERIODIC	ACI 318- 17.8.2		ETT
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A	CONTINUOUS PERIODIC	ACI 318- 17.8.2.4 ACI 318- 17.8.2		ETT
5. VERIFY USE OF REQUIRED MIX DESIGN	PERIODIC	ACI 318- Ch. 19, 26.4.3, 26.4.4 IBC 1904.1, 1904.2, 1908.2, 1908.3		ETT
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	CONTINUOUS	ASTM C 172 ASTM C 91 ACI 318- 26.4, 26.12 IBC 1908.6		ACI-CFTT OR ACI-STT
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	CONTINUOUS	ACI 318- 26.5 IBC 1908.8, 1908.7, 1908.8		ETT
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	PERIODIC	ACI 318- 26.5.3-26.5.5 IBC 1908.9		ETT
9. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES B. GROUTING OF BONDED PRESTRESSING TENDONS	CONTINUOUS CONTINUOUS	ACI 318- 26.10		ETT
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	PERIODIC	ACI 318- Ch. 26.8		ETT
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	PERIODIC	ACI 318- 26.12		ETT
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	PERIODIC	ACI 318- 26.11.2(b)		ETT

SCHEDULE OF SPECIAL INSPECTIONS				
VERIFICATION/INSPECTION	STRUCTURAL STEEL INSPECTION		AGENT	
IBC SECTION 1705.2, AISC 360-10	EXTENT CONTINUOUS, PERIODIC	COMMENTS	PE/GE, EIT OR ETT	
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS: A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	PERIODIC	AISC 360 SECTION A3.3 AND ALL APPLICABLE ASTM MATERIAL STANDARDS		ETT
2. INSPECTION OF HIGH-STRENGTH BOLTING: A. SNUG-TIGHT JOINTS B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION	PERIODIC CONTINUOUS	AISC 360 SECTION A3.3 AND ALL APPLICABLE AWS A5 DOCUMENTS		AWS/AISC-SSI
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK A. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360 B. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS C. MANUFACTURER'S CERTIFIED TEST REPORTS	PERIODIC PERIODIC	AISC 360 SECTION M5.5 ALL APPLICABLE ASTM MATERIAL STANDARDS		ETT
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	PERIODIC PERIODIC	AISC 360, SECTION A3.5 AND APPLICABLE AWS A5 DOCUMENTS		ETT
5. INSPECTION OF WELDING A. STRUCTURAL STEEL AND COLD-FORMED STEEL DECK 1) COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS 2) MULTIPASS FILLET WELDS 3) SINGLE-PASS FILLED WELDS - 5/16" 4) PLUG AND SLOT WELDS 5) SINGLE-PASS FILLET WELDS ≤ 5/16" 6) FLOOR AND ROOF DECK WELDS B. REINFORCING STEEL 1) VERIFICATION OF WELDABILITY OF FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR 2) SHEAR REINFORCEMENT 3) SHEAR REINFORCEMENT 4) OTHER REINFORCING STEEL	CONTINUOUS CONTINUOUS CONTINUOUS PERIODIC PERIODIC PERIODIC CONTINUOUS CONTINUOUS PERIODIC	AWS D11 IBC 1704.3.1 AWS D14 ACI 318- SECTION 3.6.2		AWS-CWI AWS-CWI
6. INSPECTION OF STEEL FRAMED JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS: A. DETAILS SUCH AS BRACING AND STIFFENING B. MEMBER LOCATIONS C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	PERIODIC PERIODIC PERIODIC	IBC 1704.3.2		ETT



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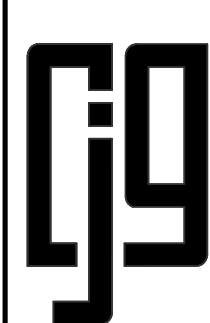
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TESTING AND INSPECTIONS

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A	ADDENDUM A	09/18/26

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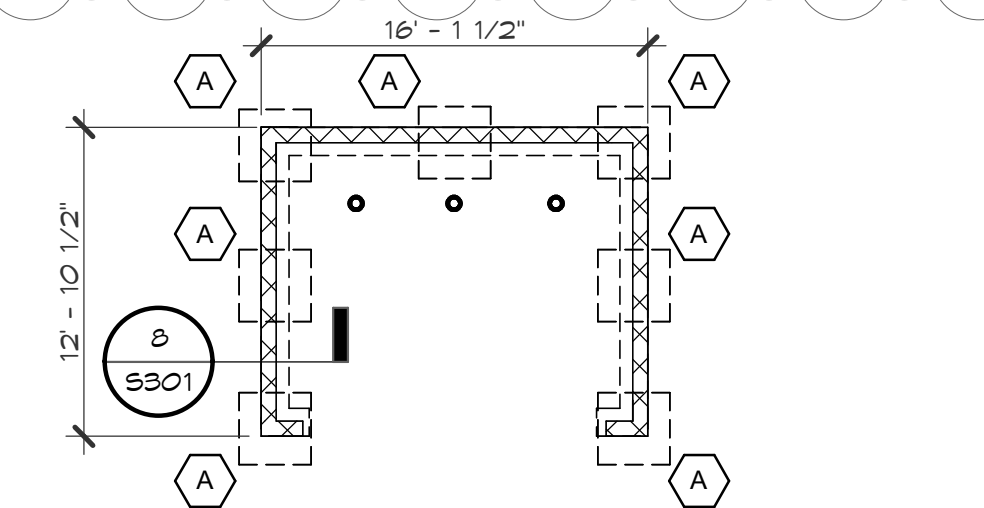


18 September 2026

DRAWING TITLE	FOUNDATION PLAN
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CHECKED BY	BG
APPROVED BY	
SHEET NO.	S101

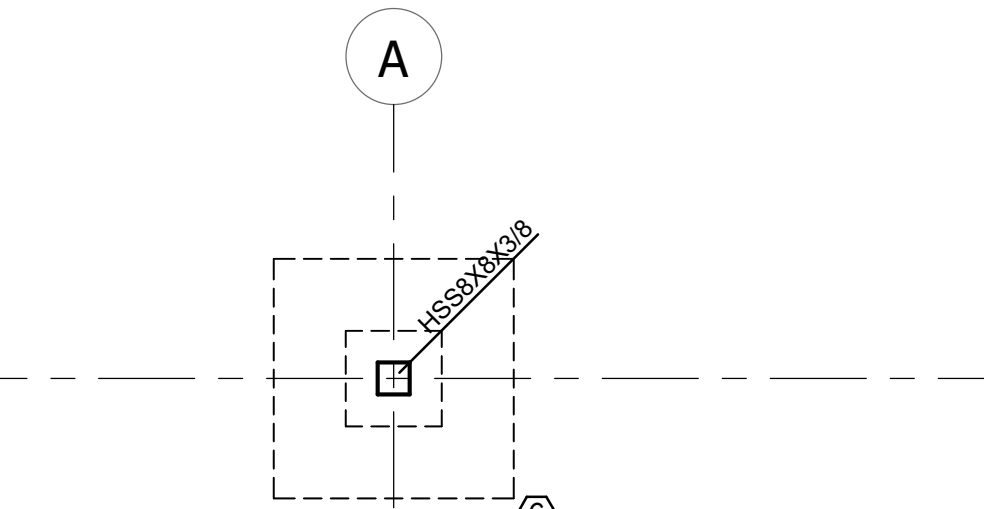
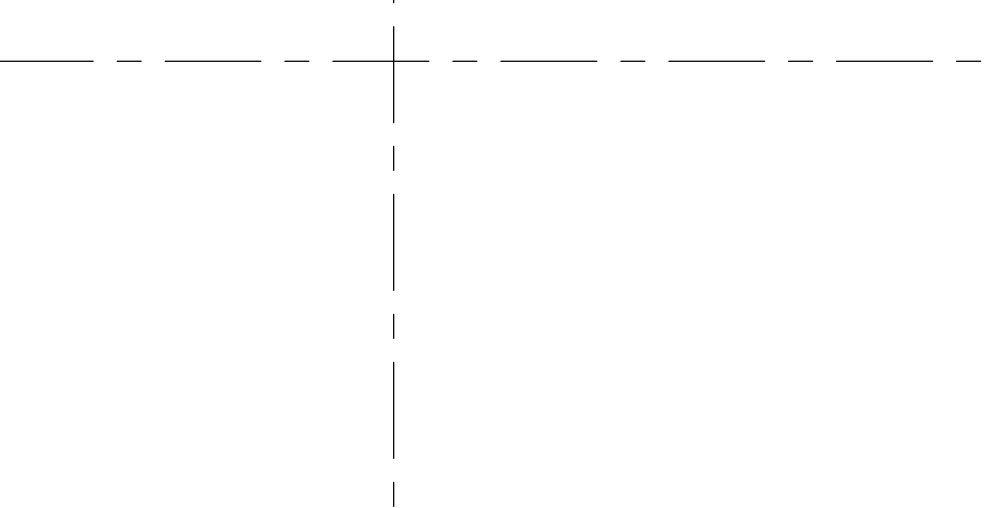
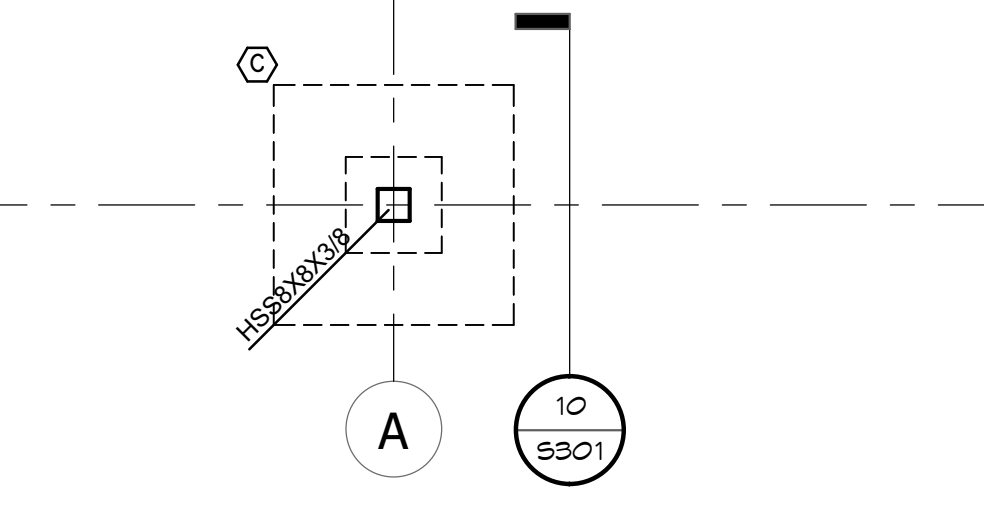
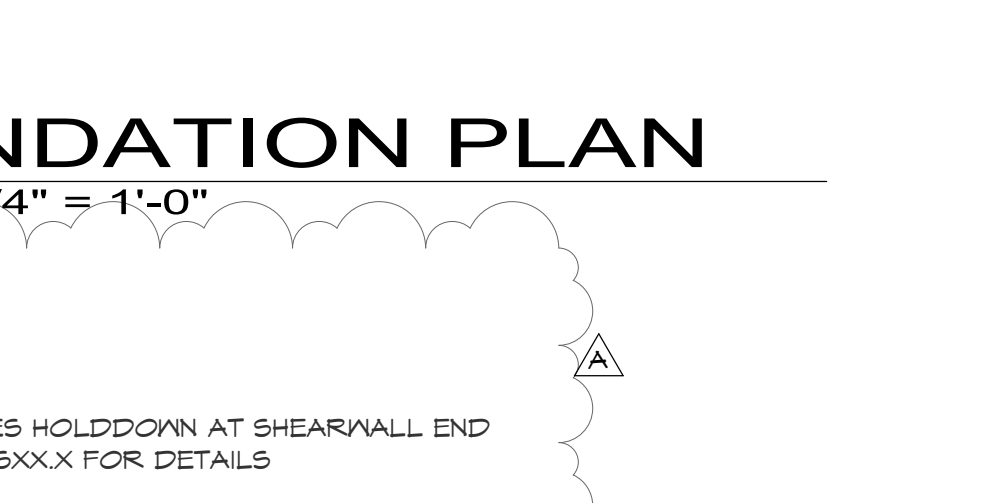
MONUMENT SIGN FOUNDATION PLAN

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



DUMPSTER FOUNDATION PLAN

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



LEGEND

SPREAD FOOTING SCHEDULE

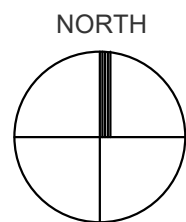
MARK	LENGTH	WIDTH	TOP REINFORCING	BOTT. REINFORCING
A	3'-0"	3'-0"	(3) #4	(3) #4
B	4'-0"	4'-0"	(3) #6	(3) #6
C	5'-0"	5'-0"	(6) #5	(6) #5

5" THICK CONCRETE SLAB ON GRADE
W/ #3 @ 14" OC EA WAY ON 3" HIGH
CHAIRS @ 42" OC EA WAY. PLACE SLAB
ON 15 MIL WATER VAPOR RETARDER
OVER COMPACTED SELECT FILL
SEE SOIL REPORT.

(1) #5 DIAGONAL
SLAB BAR AT
REINFRANT
CORNERS (TYP)

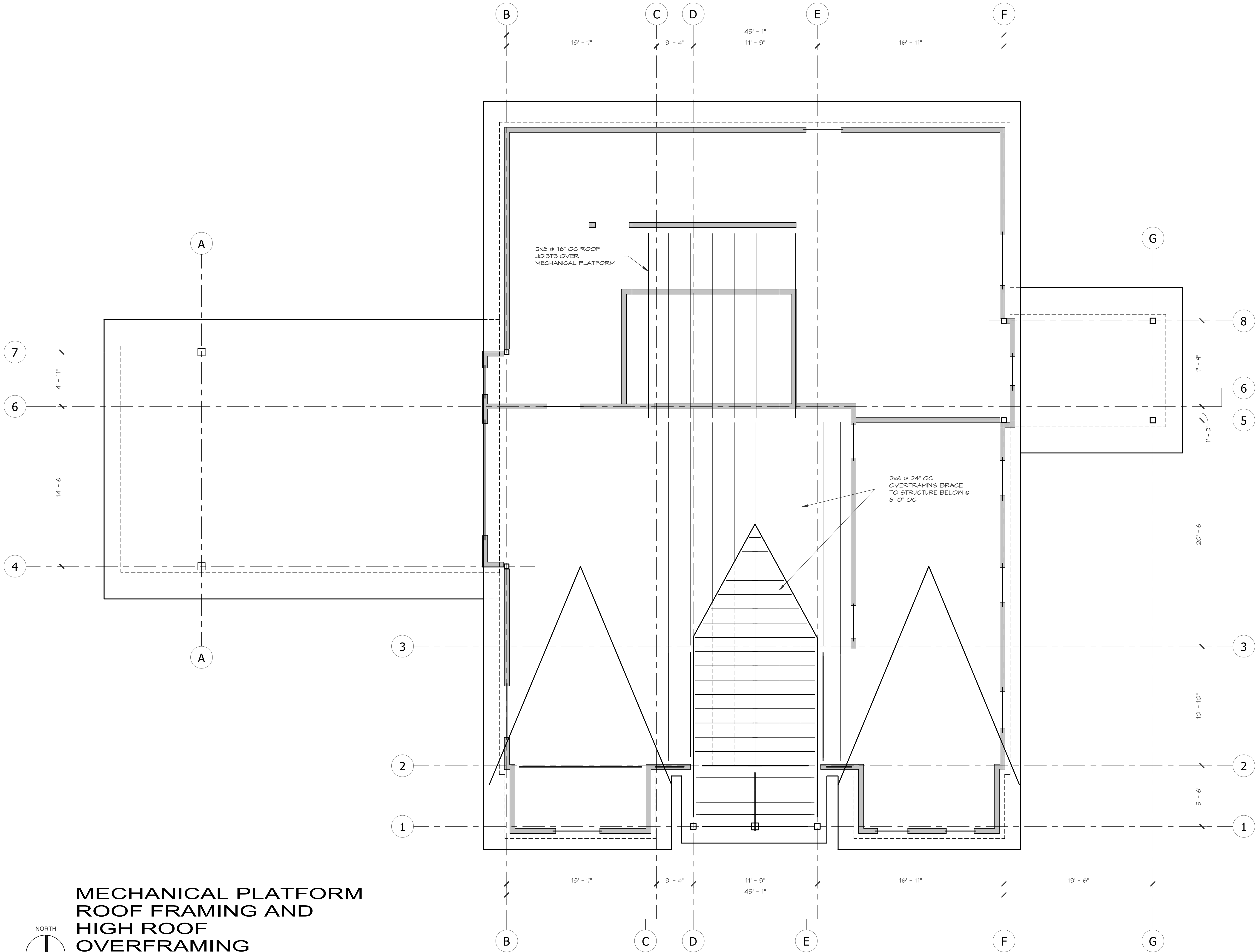
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MECHANICAL PLATFORM ROOF FRAMING AND HIGH ROOF OVERFRAMING

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



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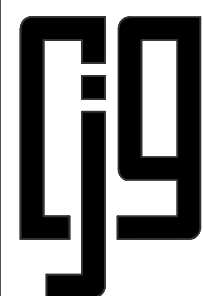
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HIGH ROOF FLOOR FRAMING PLAN

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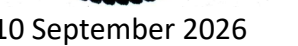


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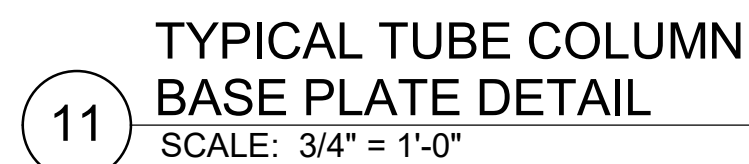
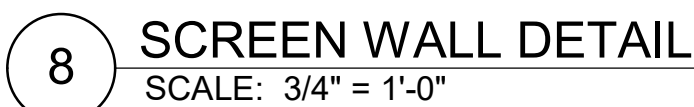
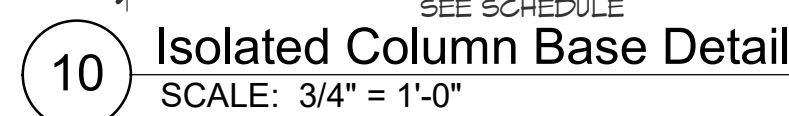
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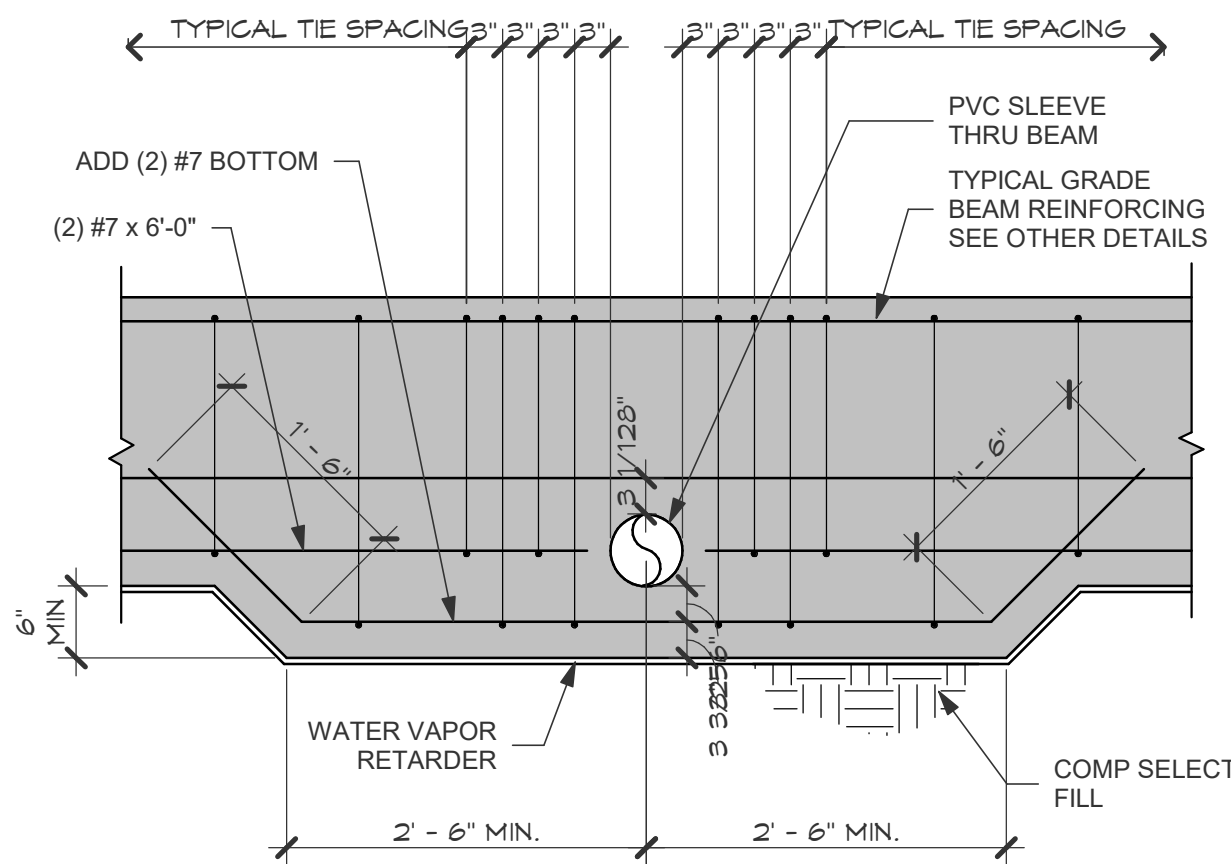
FOUNDATION DETAILS

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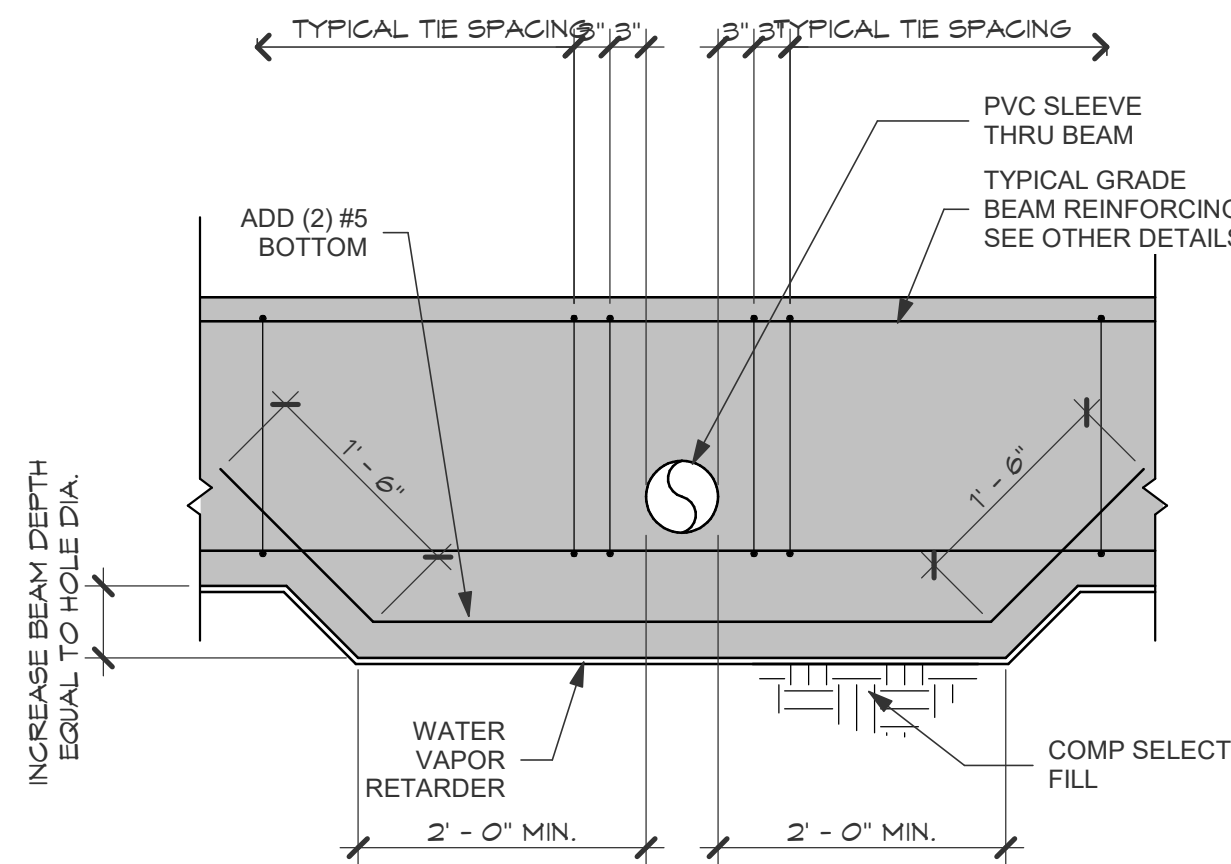
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ELEVATION VIEW
TYPICAL HORIZONTAL HOLE THROUGH
GRADE BEAM LARGER THAN 4" DIA.

**GRADE BEAM PENETRATION
(MAIN REINF INTERRUPTED)**

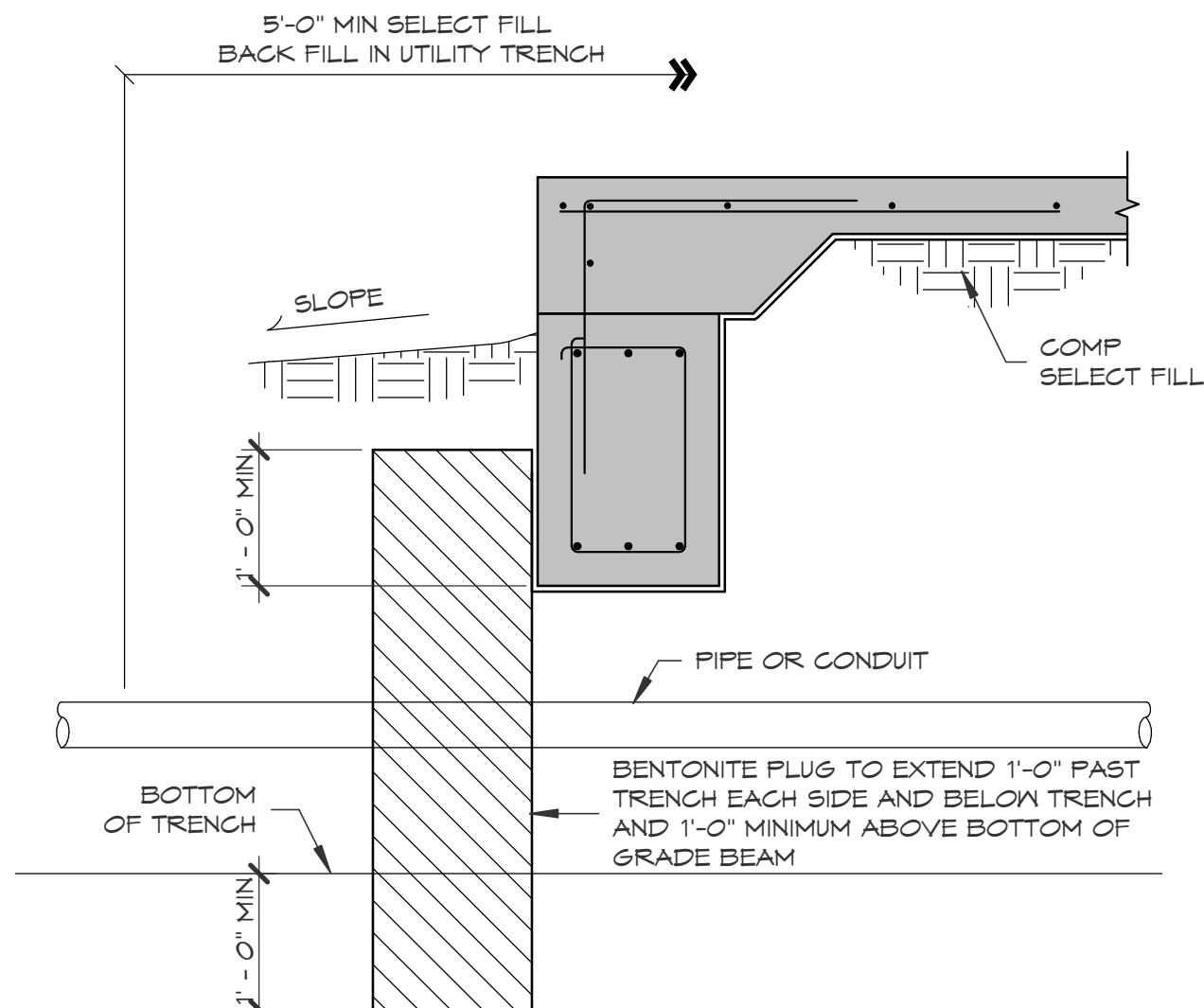
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ELEVATION VIEW
TYPICAL HORIZONTAL HOLE THROUGH
GRADE BEAM LARGER THAN 4" DIA.

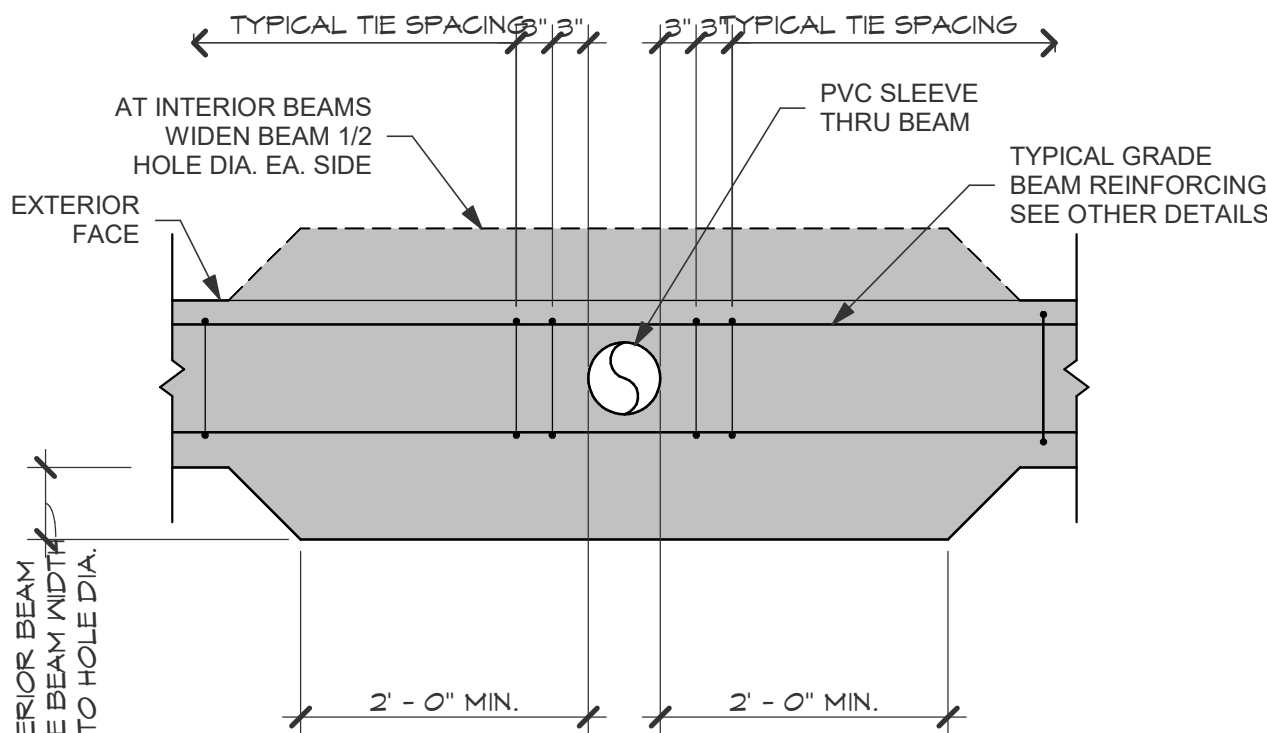
GRADE BEAM PENETRATION DETAIL

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



PIPE ENTRY DETAIL

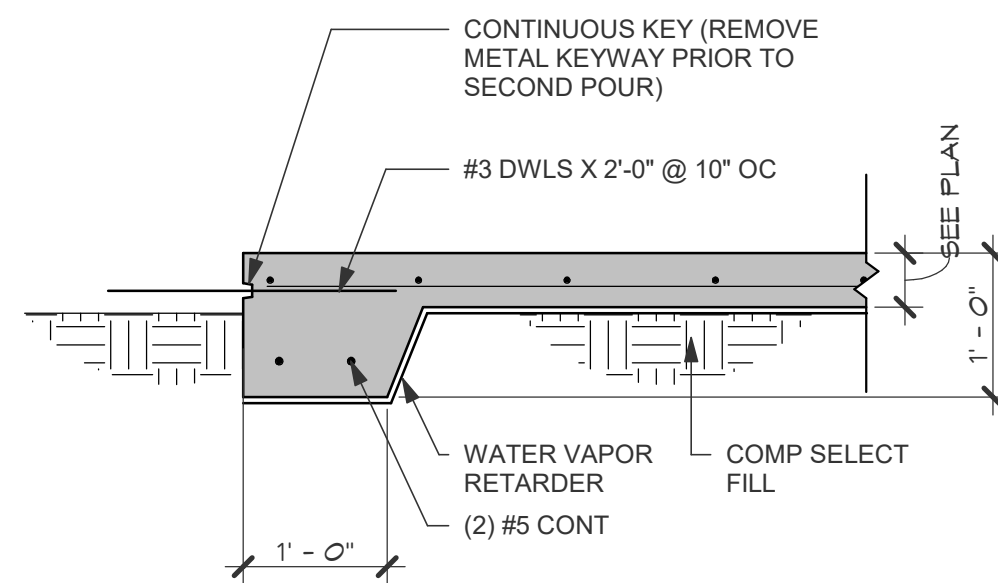
SCALE: 3/4" = 1'-0"



PLAN VIEW
TYPICAL VERTICAL HOLE THROUGH
GRADE BEAM LARGER THAN 4" DIA.

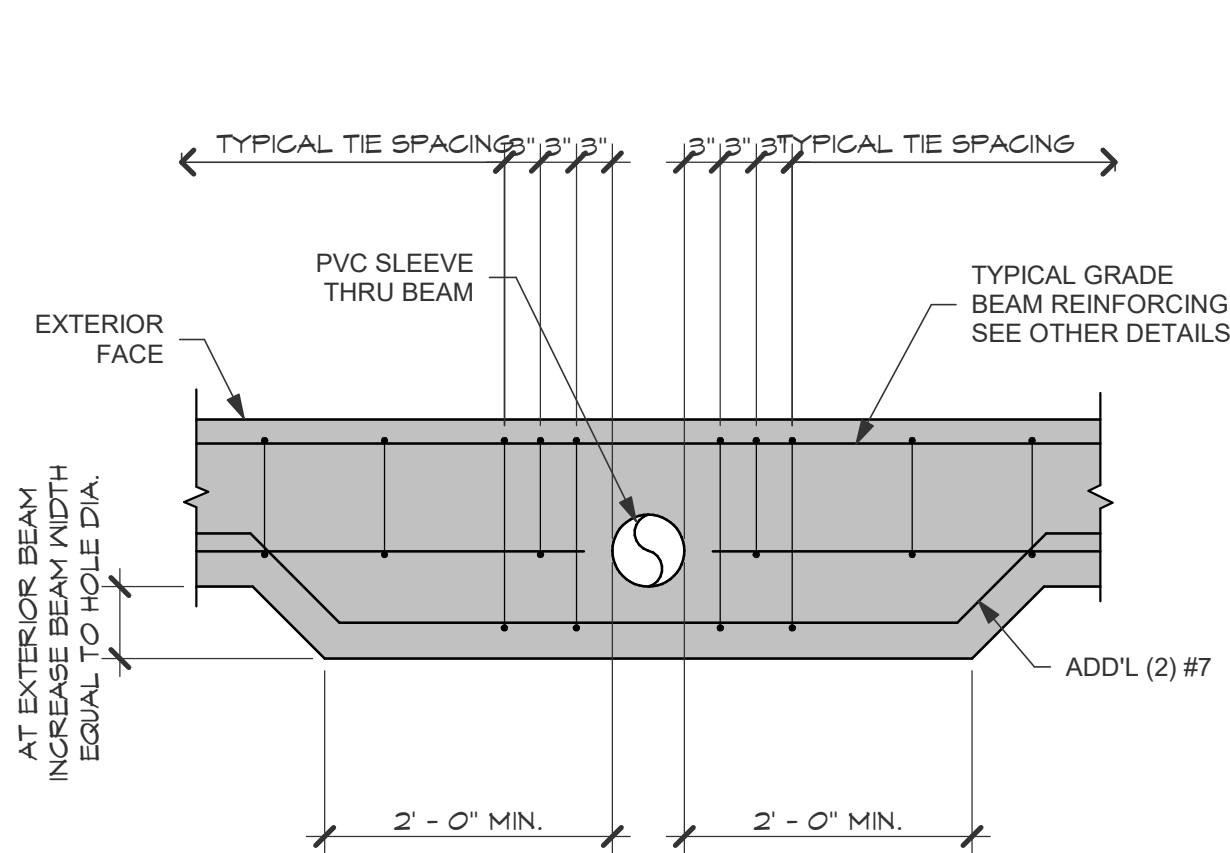
GRADE BEAM PENETRATION DETAIL

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



SLAB LEAVE OUT DETAIL

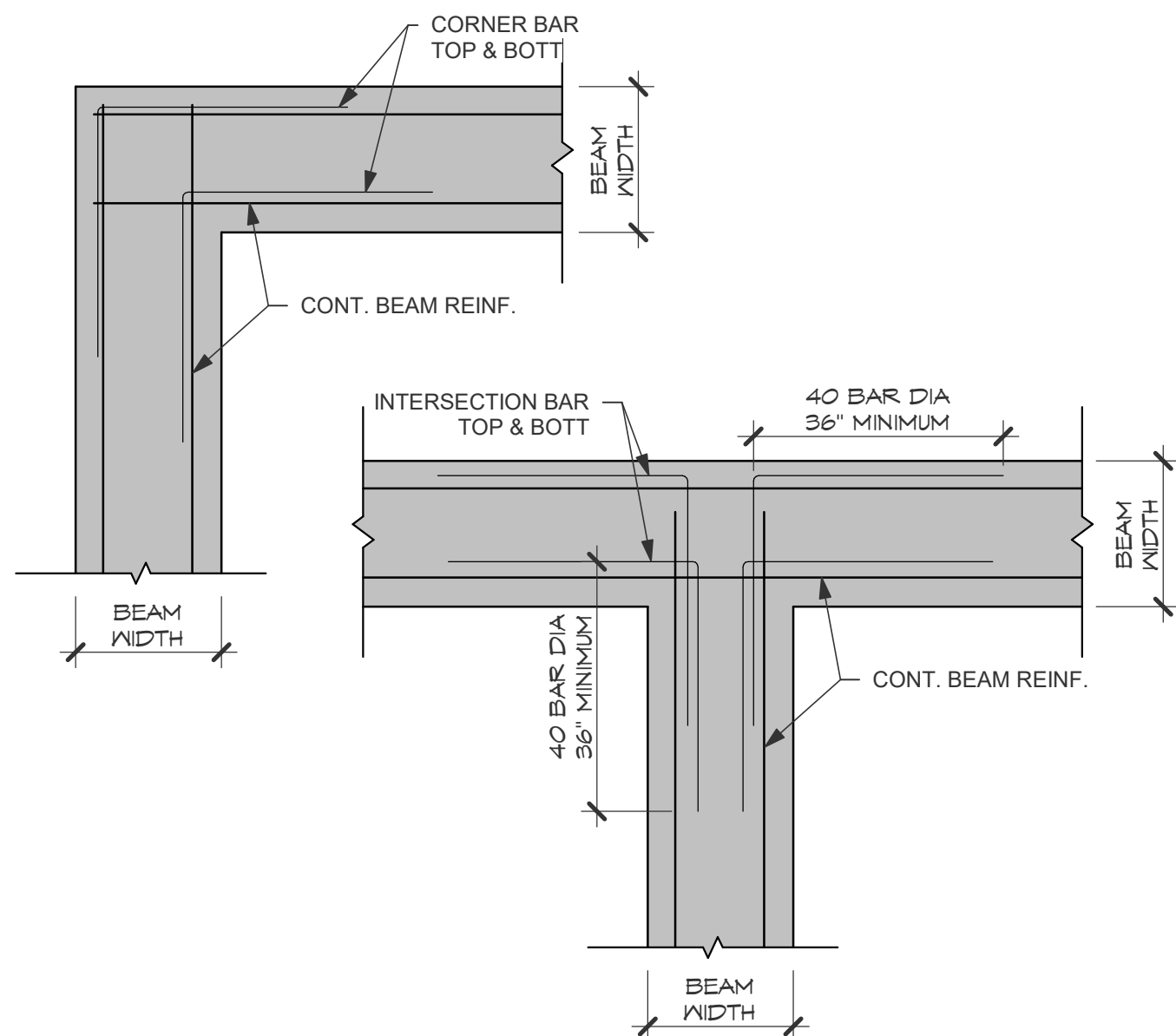
SCALE: 3/4" = 1'-0"



PLAN VIEW
TYPICAL VERTICAL HOLE THROUGH
GRADE BEAM LARGER THAN 4" DIA.

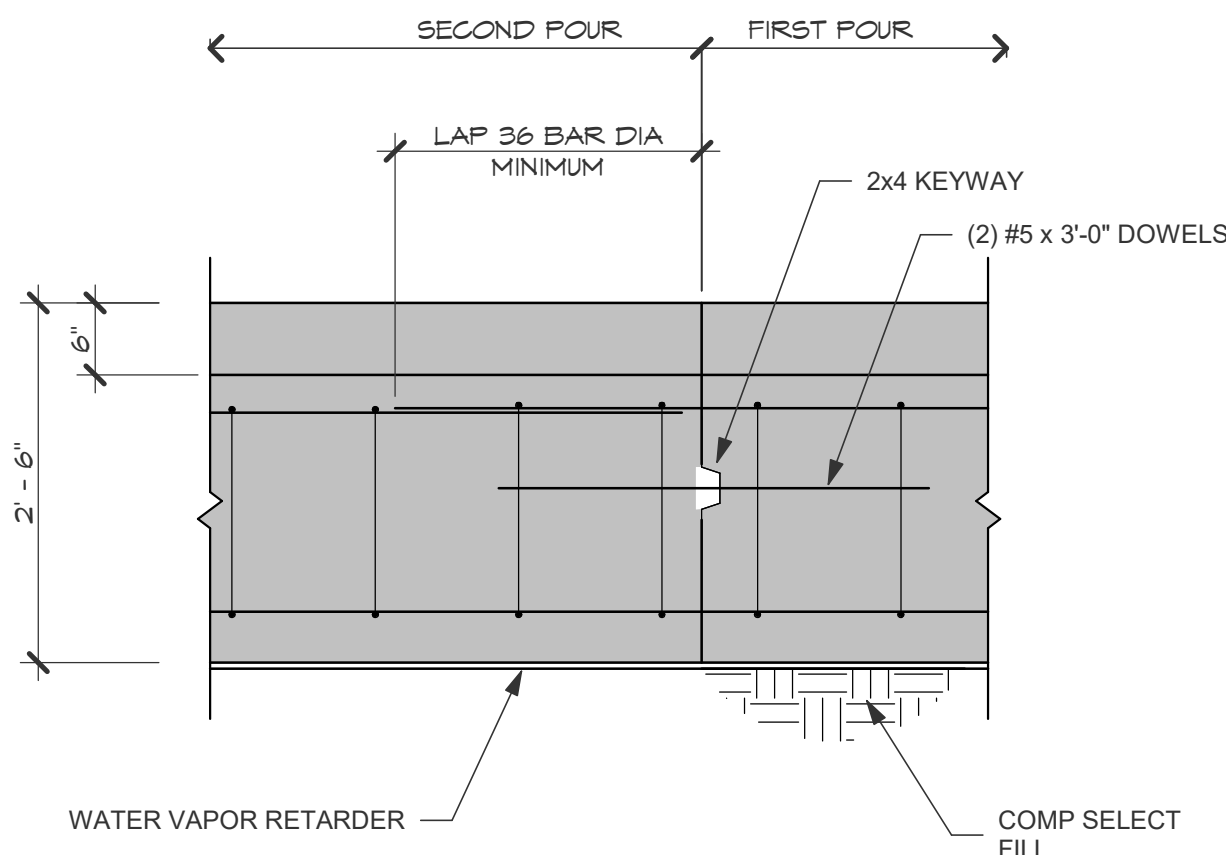
GRADE BEAM PENETRATION DETAIL

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



TYPICAL CORNER BAR DETAIL

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

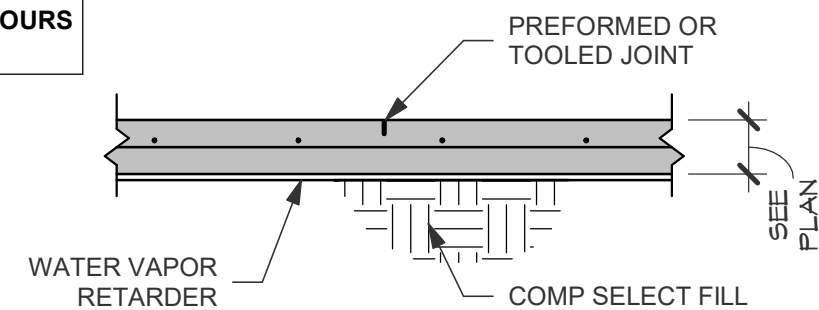


ELEVATION VIEW
LOCATE JOINTS IN MIDDLE THIRD OF
BEAM SPAN BETWEEN SUPPORTS

GRADE BEAM CONSTRUCTION JOINT

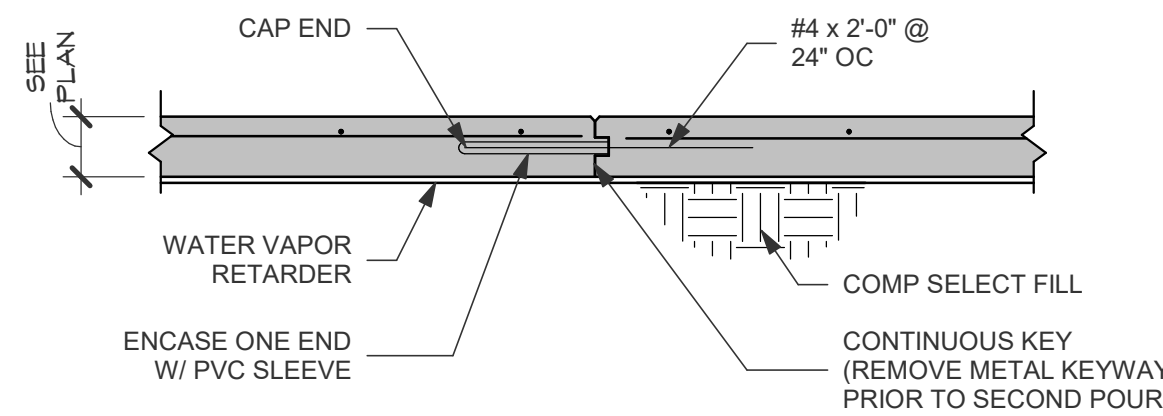
SCALE: 3/4" = 1'-0"

CONTRACTION JOINT MAY BE
SAWCUT TO 1/4 OF THE SLAB
DEPTH NO MORE THAN 6 HOURS
AFTER SLAB PLACEMENT



SLAB CONTRACTION JOINT

SEE PLAN FOR LOCATION OR SPACE AT 15x 15' MAXIMUM IN
EACH DIRECTION



SLAB CONSTRUCTION JOINT

NOTE: AT CONTRACTOR'S OPTION, CONSTRUCTION JOINT
MAY BE USED IN LIEU OF CONTRACTION JOINT.

SLAB JOINT DETAIL

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



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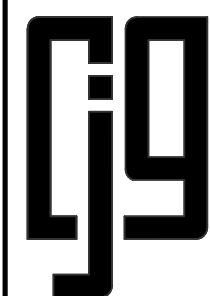
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BASTROP, TX 78602

Project Number : 8989

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ISSUED FOR CONSTRUCTION	

REVISIONS

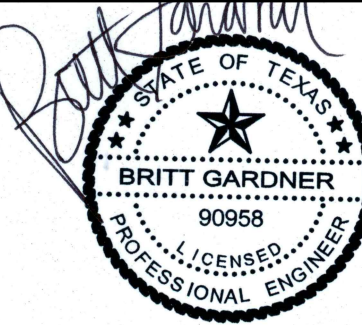
MARK	DESCRIPTION	DATE



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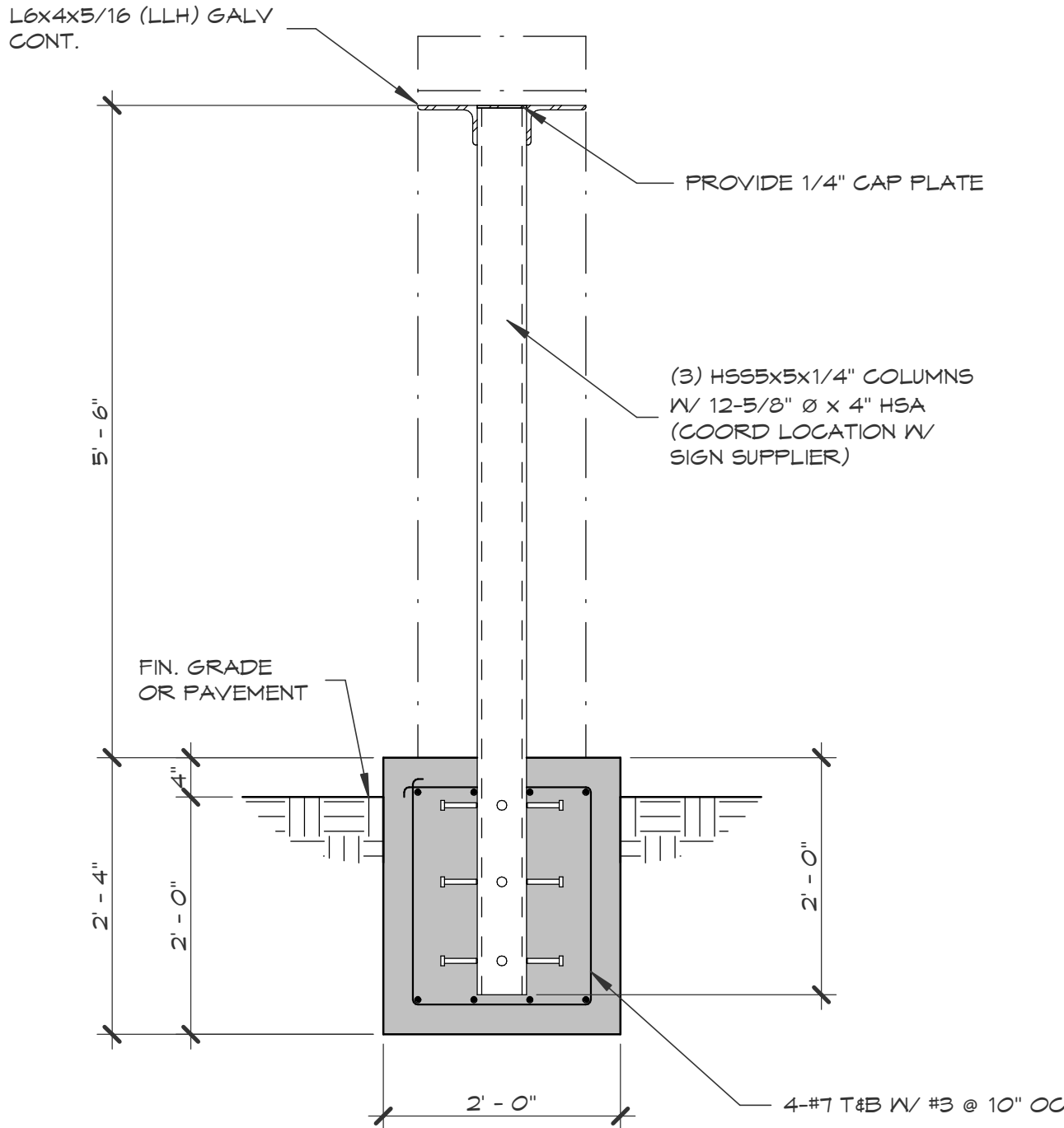
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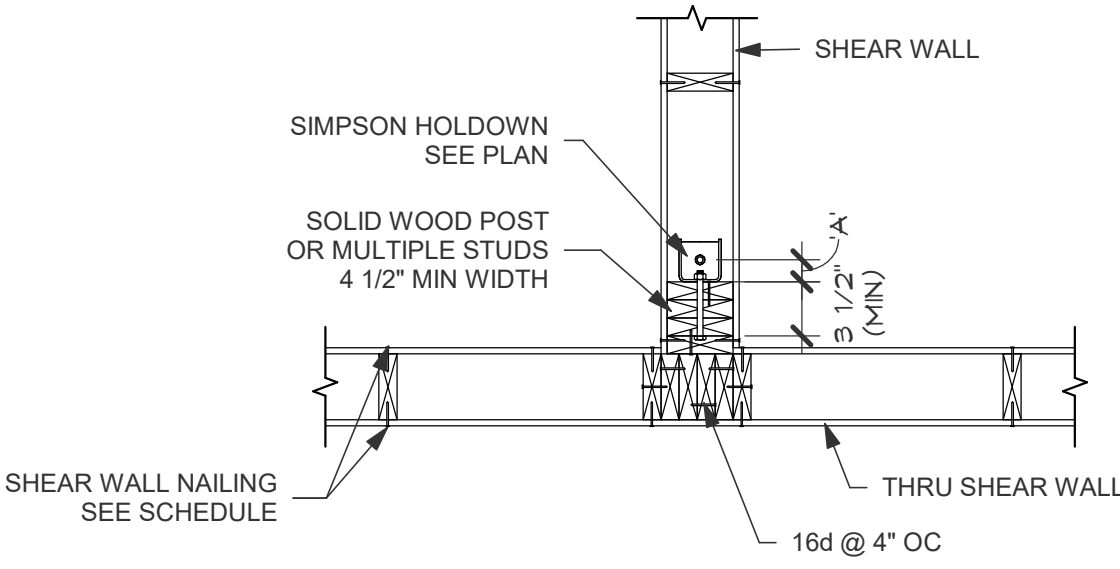
TYPICAL FOUNDATION DETAILS

DRAWN BY	JM	SHEET NO.
CHECKED BY	BG	S302
APPROVED BY		

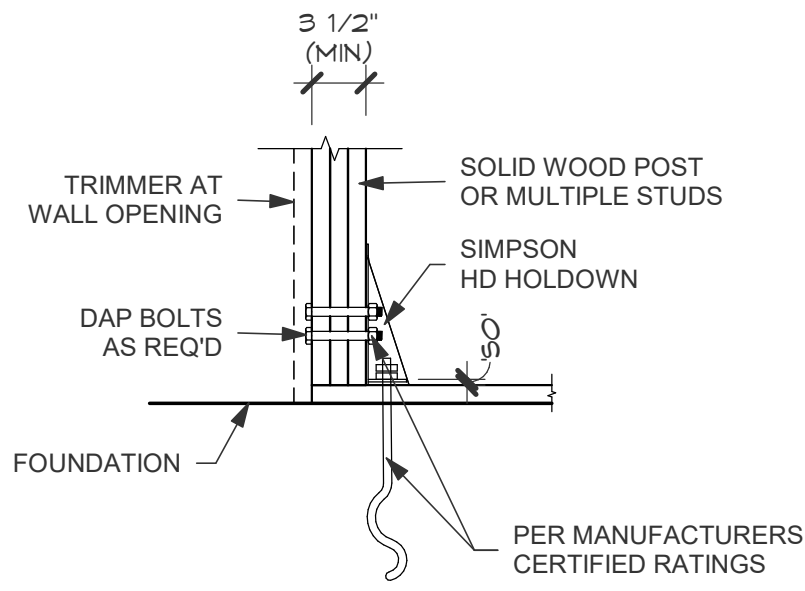


12 MONUMENT DETAIL
SCALE: 3/4" = 1'-0"

HOLDOWN	DISTANCE 'A'
HDUE3	1 3/8"
HDUE5	1 3/8"
HDUE7	1 3/8"
HDUE9	1 7/16"
HDUE13	1 7/16"
HDUE17	1 15/16"

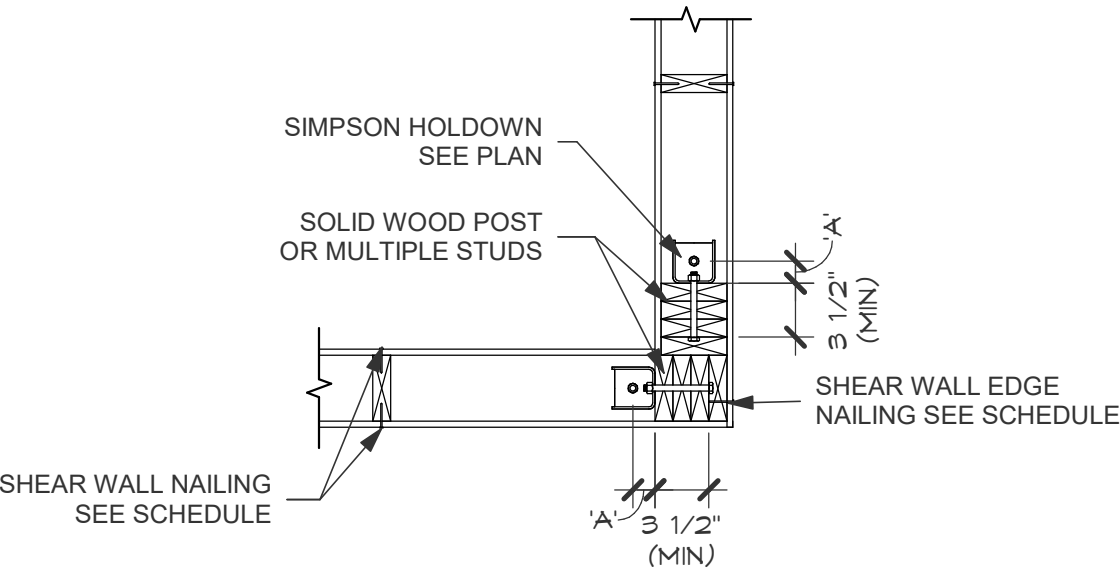


6 INTERSECTION HOLDOWN PLAN
SCALE: NTS

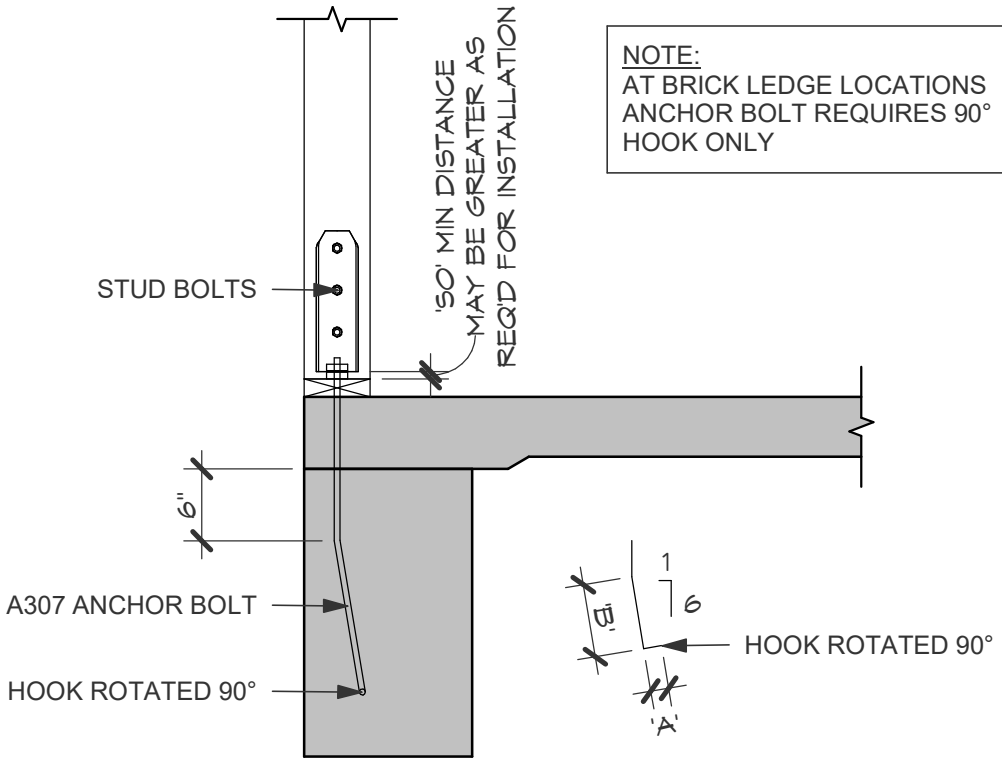


3 HOLDOWN DETAIL
SCALE: NTS

HOLDOWN	DISTANCE 'A'
HDUE3	1 3/8"
HDUE5	1 3/8"
HDUE7	1 3/8"
HDUE9	1 7/16"
HDUE13	1 7/16"
HDUE17	1 15/16"



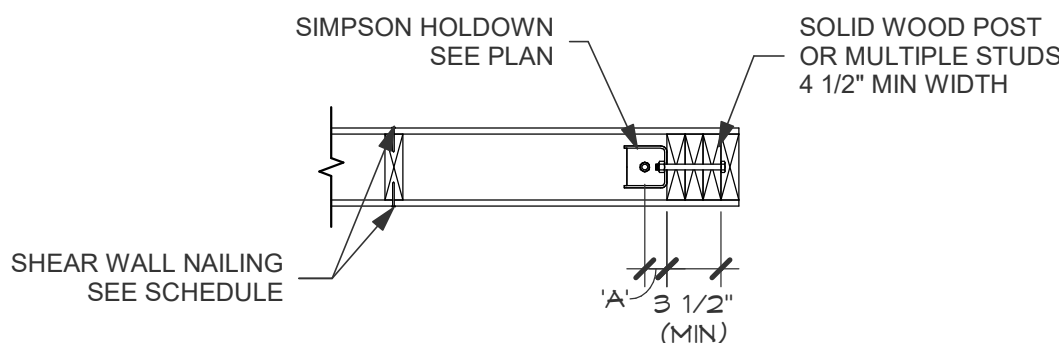
5 CORNER HOLDOWN PLAN
SCALE: NTS



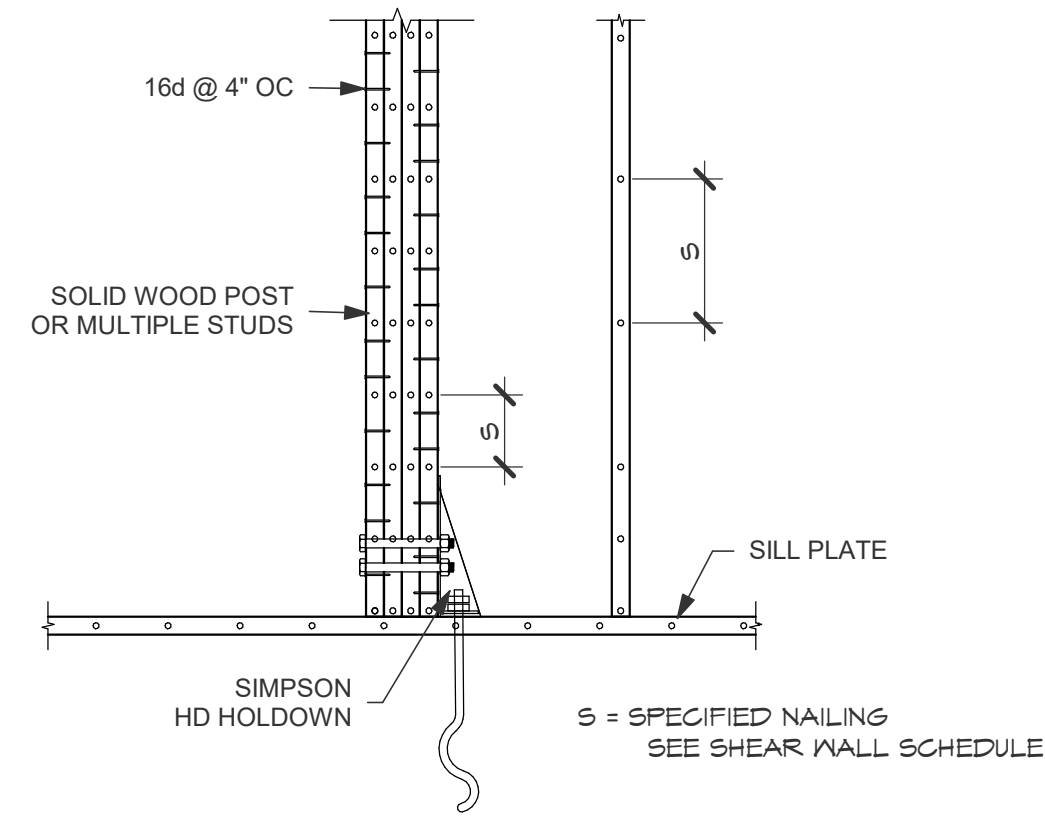
HOLDOWN	SDS SCREW	ANCHOR BOLT DIA	3000 PSI		'SO'	SIMPSON ANCHOR BOLT
HDUE3	(7) SDS 1/4" x 3"	5/8"	A	B	1 1/2"	SSTB16
HDUE5	(10) SDS 1/4" x 3"	5/8"	4 1/2"	12"	1 1/2"	SSTB24
HDUE7	(13) SDS 1/4" x 3"	5/8"	4 1/2"	12"	1 1/2"	SSTB26
HDUE9	(16) SDS 1/4" x 3 1/2"	7/8"	4 1/2"	15"	1 1/2"	SSTB28
HDUE13	(23) SDS 1/4" x 3 1/2"	1"	4 1/2"	15"	1 1/2"	
HDUE17	(28) SDS 1/4" x 4 1/2"	1"	4 1/2"	15"	1 1/2"	

HOLDOWN	ALTERNATE ANCHOR BOLT
HDUE3	5/8"ø x 5" EMBED HILTI HIT HY150 ADHESIVE ANCHOR W/ "HAS" ROD
HDUE5	5/8"ø x 6" EMBED HILTI HIT HY150 ADHESIVE ANCHOR W/ "HAS" ROD
HDUE7	5/8"ø x 7 1/2" EMBED HILTI HIT HY150 ADHESIVE ANCHOR W/ "HAS" ROD
HDUE9	7/8"ø x 7 1/2" EMBED HILTI HIT HY150 ADHESIVE ANCHOR W/ "HAS" ROD
HDUE13	1"ø x 11 1/4" EMBED HILTI HIT HY150 ADHESIVE ANCHOR W/ "HAS" ROD
HDUE17	1"ø x 12 3/8" EMBED HILTI HIT HY150 ADHESIVE ANCHOR W/ "HAS" ROD

HOLDOWN	DISTANCE 'A'
HDUE3	1 3/8"
HDUE5	1 3/8"
HDUE7	1 3/8"
HDUE9	1 7/16"
HDUE13	1 7/16"
HDUE17	1 15/16"



7 OPENING HOLDOWN PLAN
SCALE: NTS



4 HOLDOWN STUD NAILING
SCALE: NTS

1 HOLDOWN ANCHOR SCHEDULE
SCALE: NTS



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A	ADDENDUM A	09/18/26

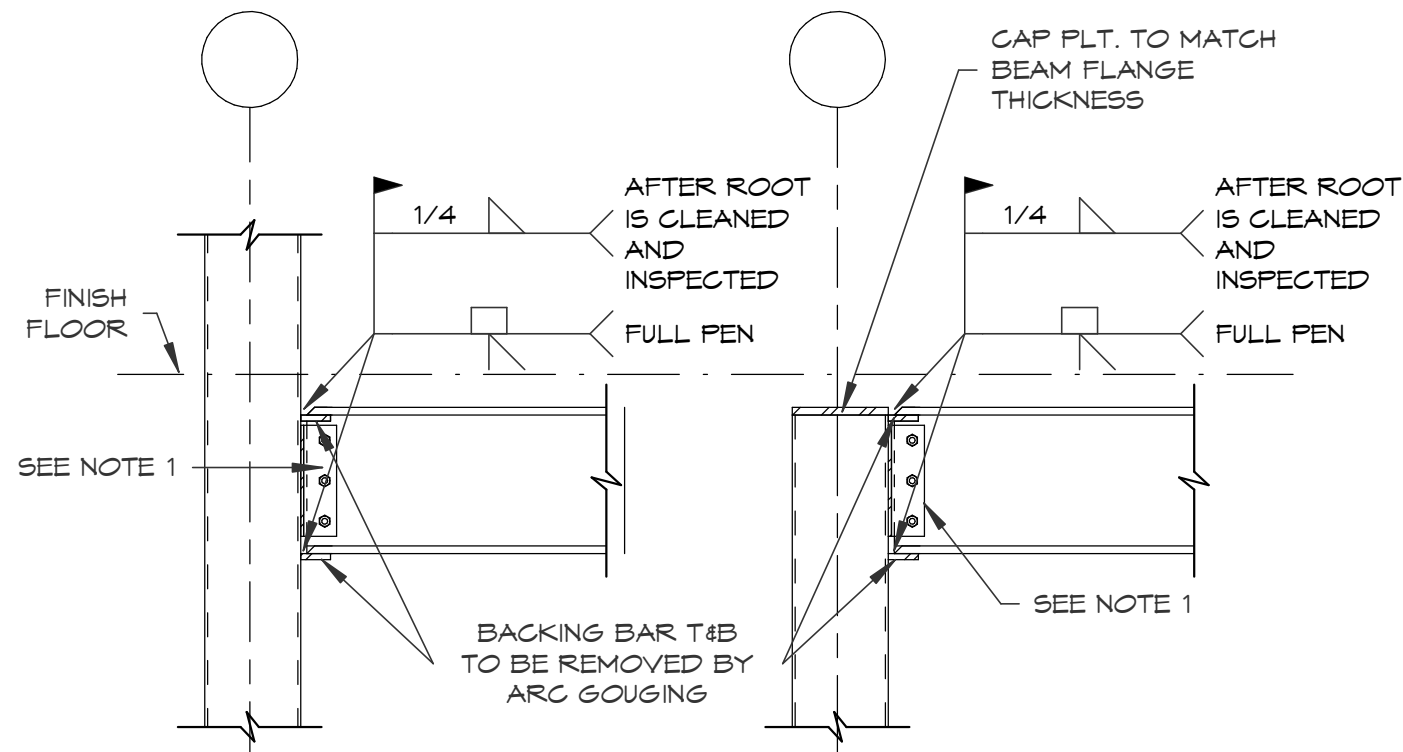
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18 September 2026

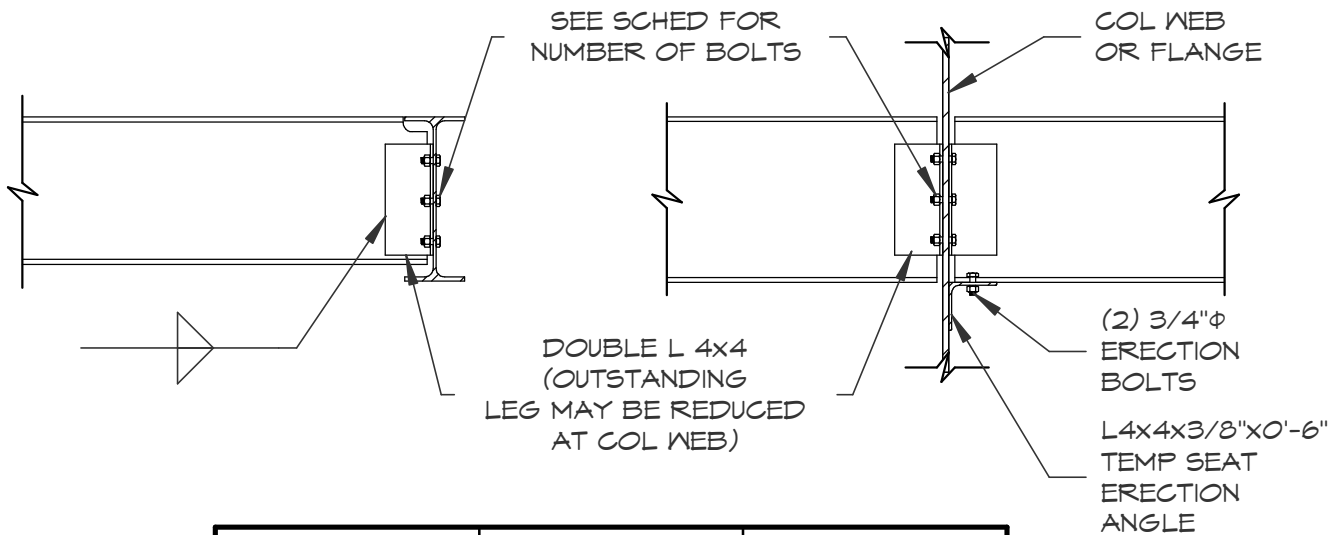
DRAWING TITLE
TYPICAL FOUNDATION DETAILS
DRAWN BY JM SHEET NO. 3
CHECKED BY BG
APPROVED BY
S303



- NOTES:
- 1.) SEE CONNECTION SCHEDULE
 - 2.) SEE PLANS FOR LOCATIONS AND BEAM COLUMN SIZES.
 - 3.) PROVIDE COMPLETE PENETRATION GROOVE WELDS UNLESS OTHERWISE SHOWN.
 - 4.) AT TOP LEVELS PROVIDE COLUMN CAP PLATE.

MOMENT CONNECTION DETAIL AT TUBE COLUMN

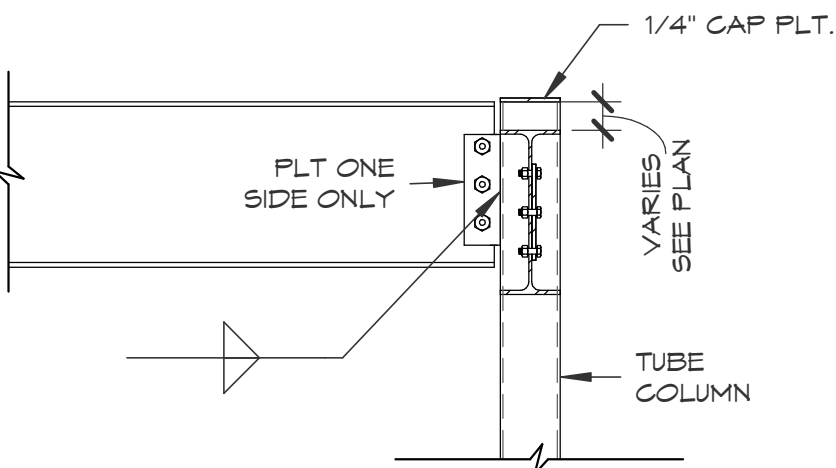
SCALE: 3/4" = 1'-0"



BEAM DEPTH	PLATE THICKNESS	NO. 3/4" Ø A325 BOLTS
8"	1/4"	2
10"	5/16"	2
12"	5/16"	3
14"	5/16"	3
16"	5/16"	4
18"	5/16"	5
21"	5/16"	6
24"	3/8"	6
27"	3/8"	7
30"	3/8"	8

BEAM TO BEAM/ COLUMN CONNECTION TABLE

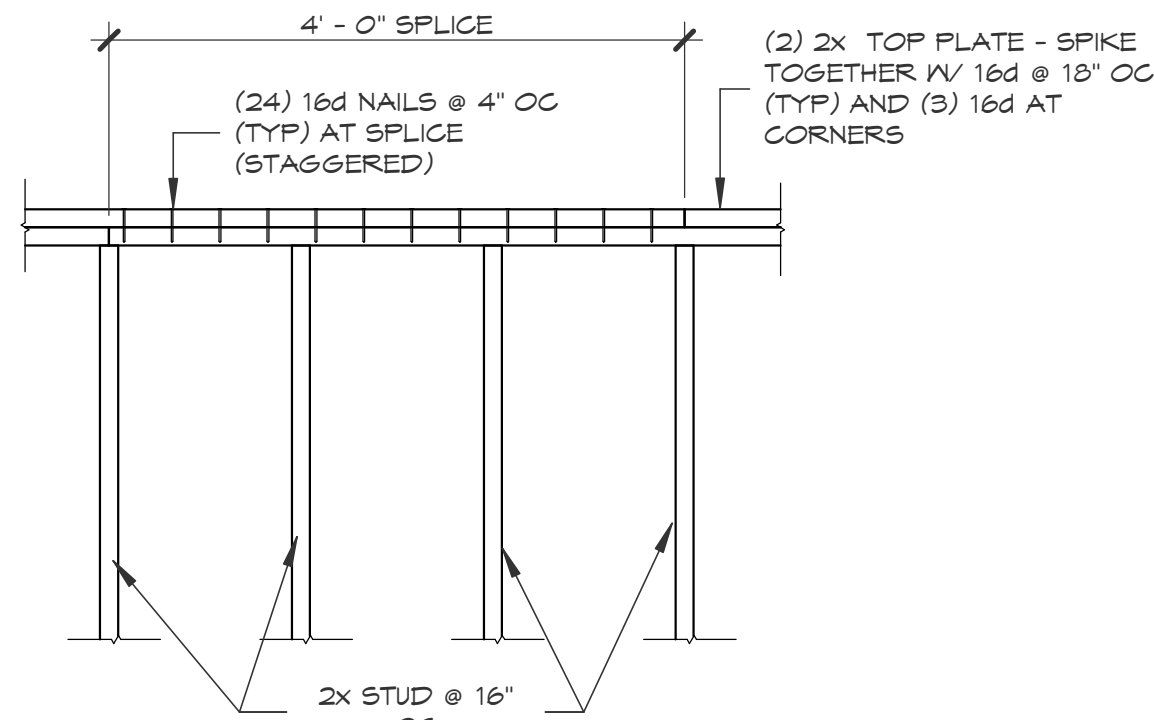
SCALE: 3/4" = 1'-0"



BEAM DEPTH	PLATE THICKNESS	NO. 3/4" Ø A325 BOLTS
8"	1/4"	2
10"	5/16"	2
12"	5/16"	3
14"	5/16"	3
16"	5/16"	4
18"	5/16"	5
21"	5/16"	6
24"	3/8"	6
27"	3/8"	7
30"	3/8"	8

BEAM TO COLUMN SIMPLE SHEAR CONNECTION TABLE

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

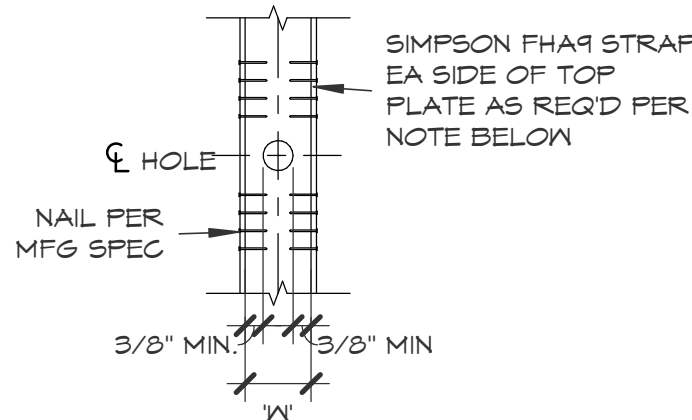


TOP PLATE SPLICE

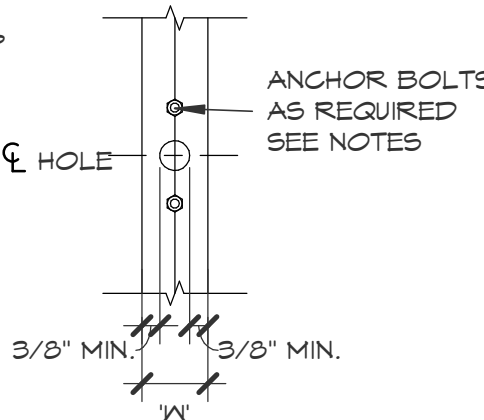
SCALE: 3/4" = 1'-0"

NOTE

1. HOLES SHALL BE DRILLED SO AS NOT TO SPLINTER THE STUD.
2. 'd' = MEMBER DEPTH



PLAN - DBL TOP PLATE

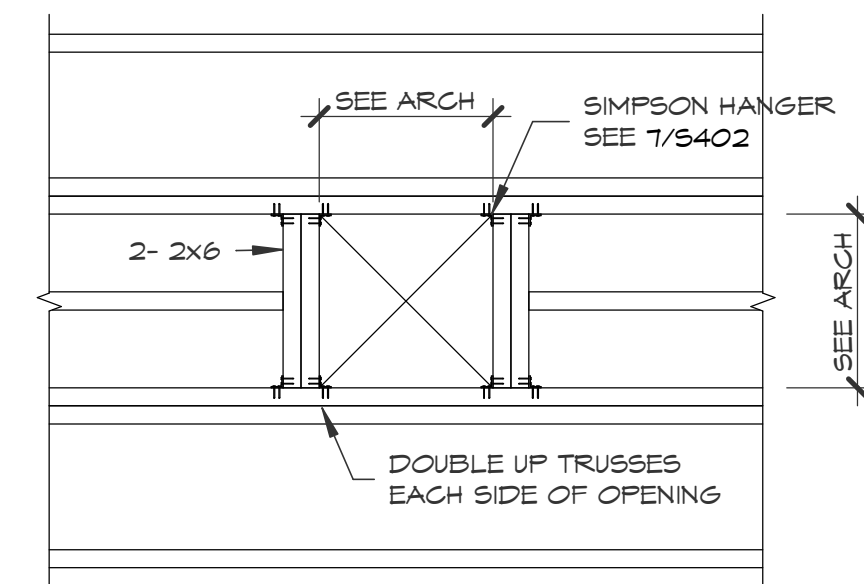


BRICK LOOSE LINTEL SCHEDULE	
OPENING	ANGLE SIZE
3'-0" TO 10'-0"	L 5 X 5 X 5/16 (ALL OPENINGS)

LLV = LONG LEG VERTICAL
GALVANIZE ALL LINTEL ANGLES.
ANGLE SIZES ARE MIN. - SEE ARCHITECTURAL DRAWINGS.

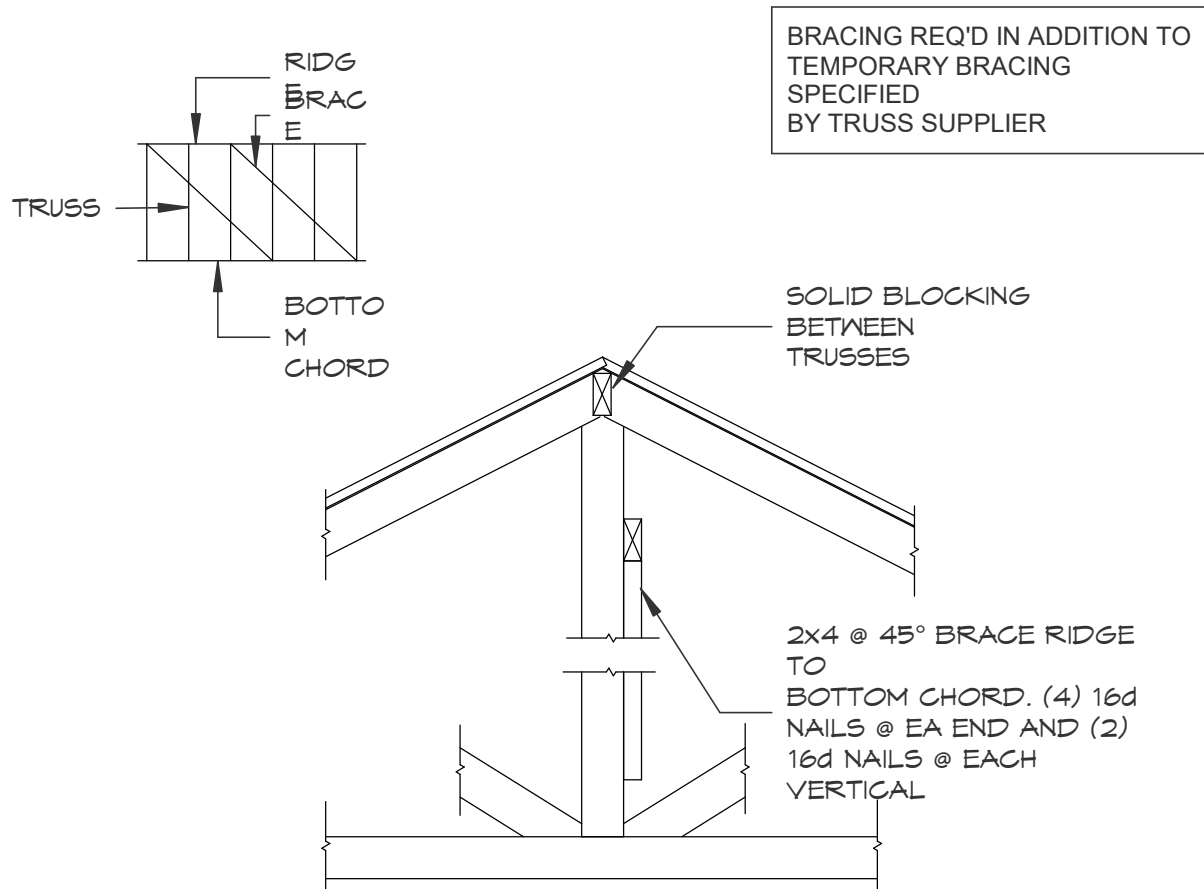
BRICK LOOSE LINTEL SCHEDULE

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



OPENING DETAIL AT ROOF / CEILING

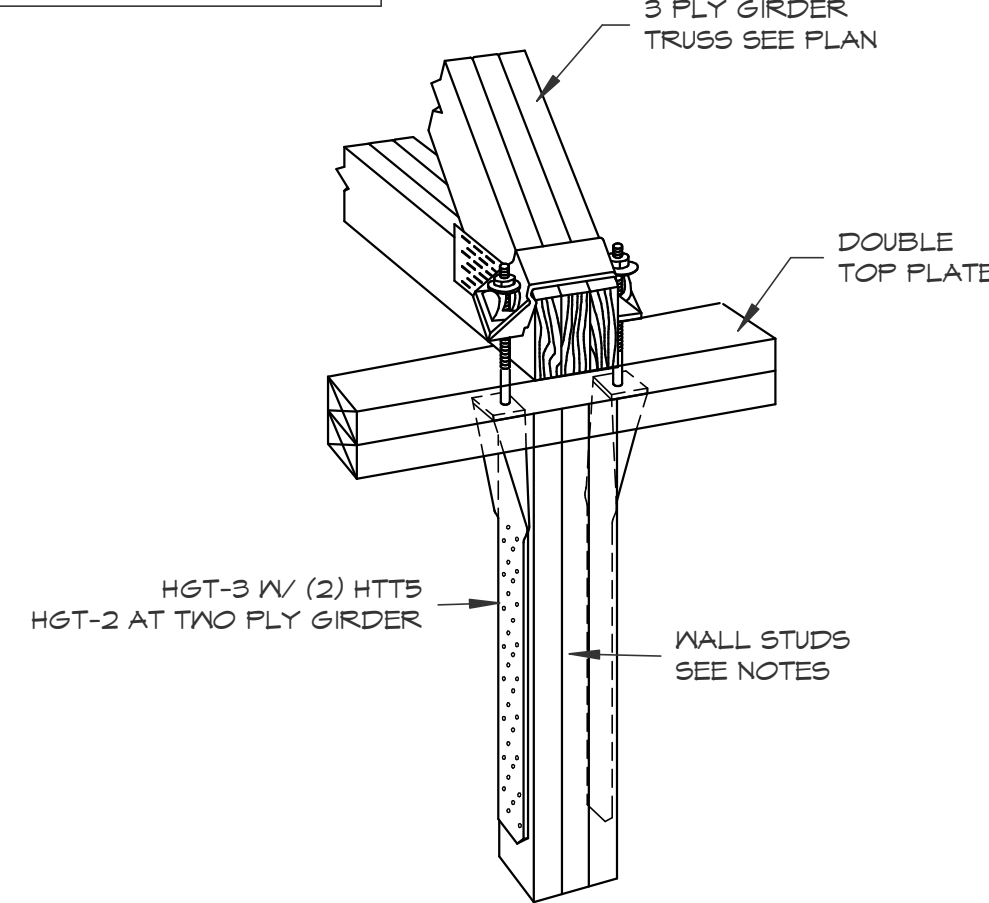
SCALE: 3/4" = 1'-0"



RIDGE BRACE DETAIL

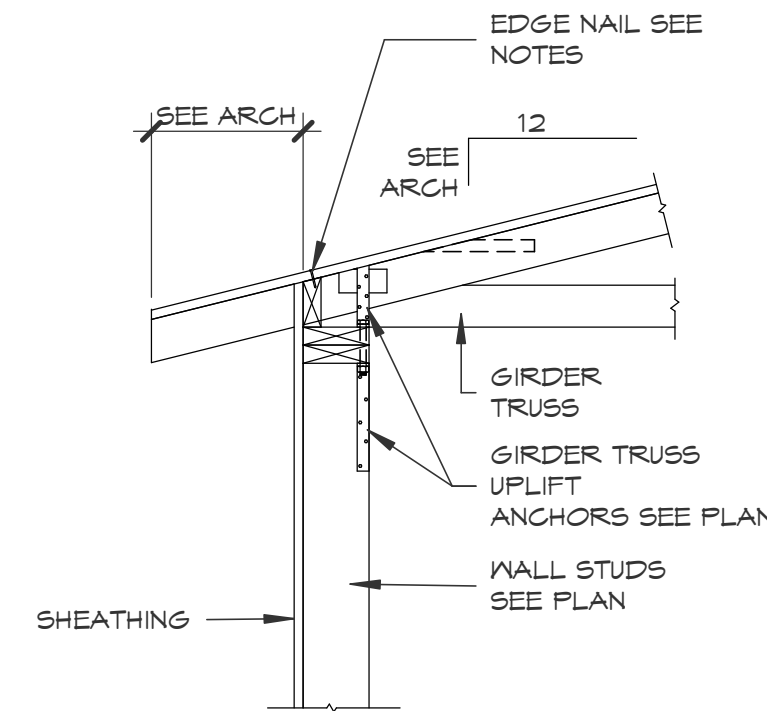
SCALE: 3/4" = 1'-0"

INSTALL TWO LBP 5/8" WASHERS ON TOP OF EACH CRESCENT WASHER (TOTAL OF FOUR)



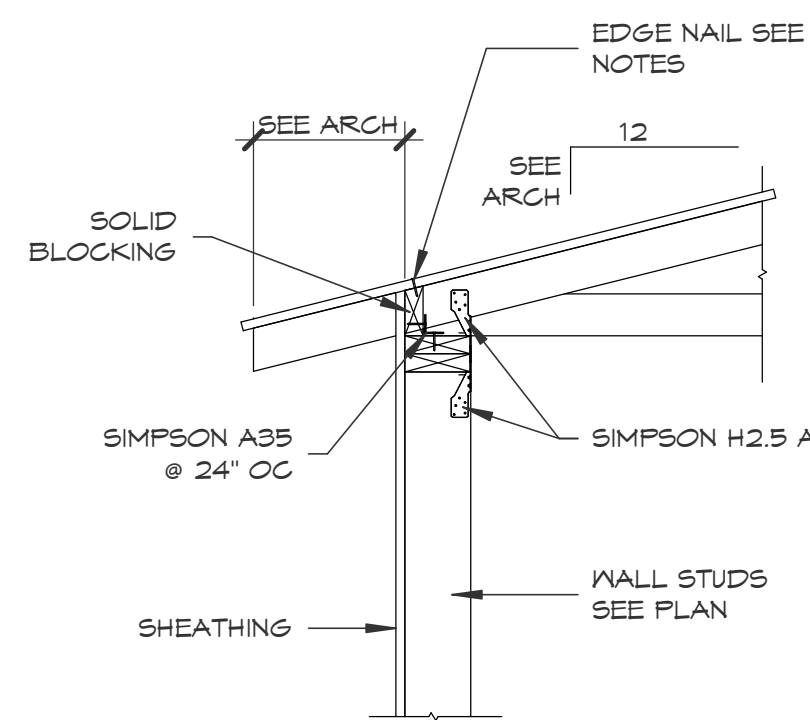
GIRDER TRUSS HOLDOWN DETAIL

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



GIRDER TRUSS HOLDOWN DETAIL

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



TYPICAL EDGE DETAIL

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



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10 September 2026

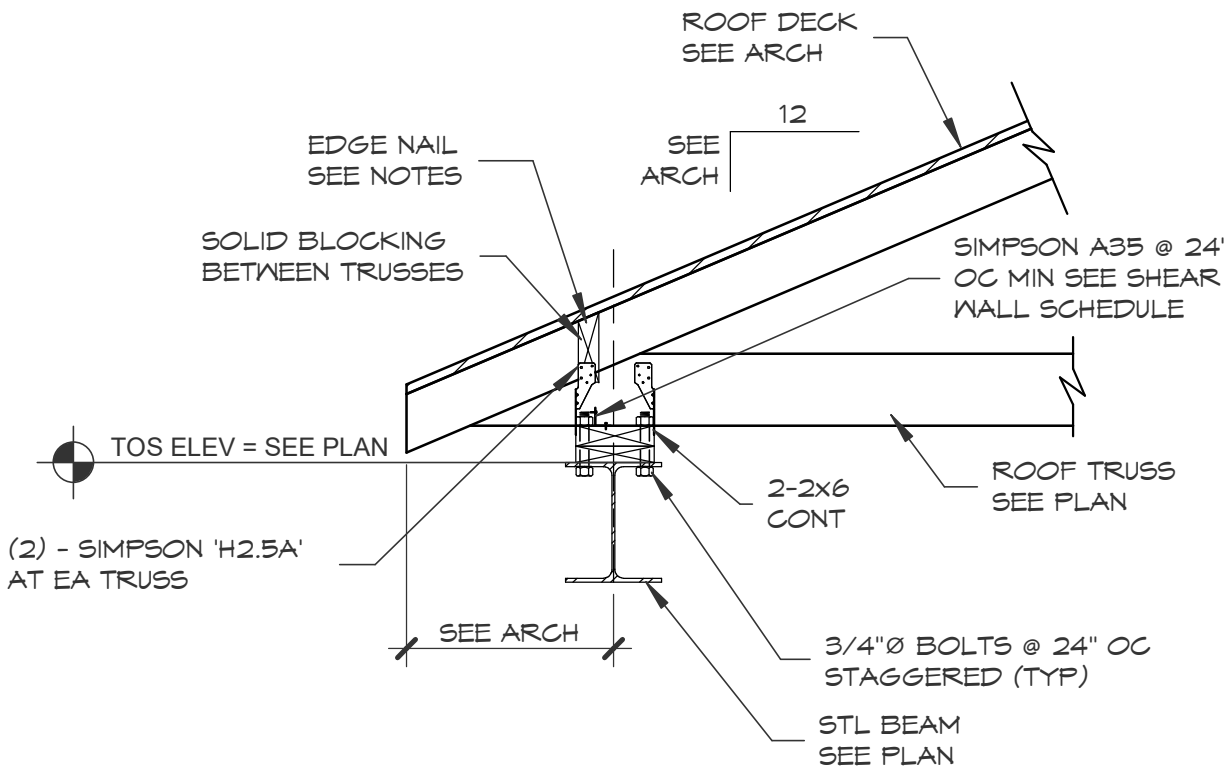
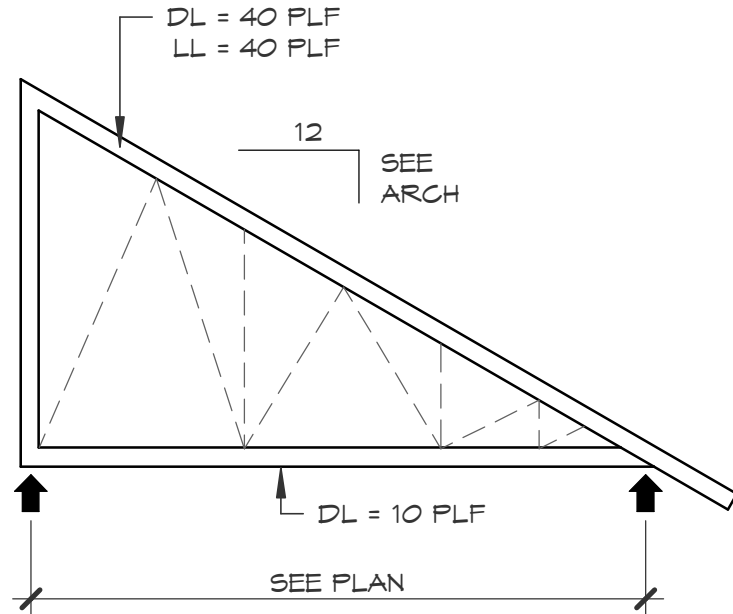
DRAWING TITLE	
FRAMING DETAILS	
DRAWN BY	JM
CHECKED BY	BG
APPROVED BY	
SHEET NO.	
S401	

ROOF TRUSS UPLIFT ANCHOR SCHEDULE		
SIMPSON ANCHORS	ROOF TRUSS UPLIFT LOAD	REMARKS
H2.5A	LOADS LESS THAN 455#	WHERE STUD ALIGNS WITH TRUSS
H7 OR H10	LOADS LESS THAN 905#	
MTS12 *	LOADS LESS THAN 1000#	OR GREATER SIZE AS REQ'D FOR INSTALLATION
H15	LOADS LESS THAN 1300#	(12) 10d TO STUD
MTT28B	LOADS LESS THAN 4455# (2 PLY) LOADS LESS THAN 3465# (1 PLY)	(24) 16d NAILS (24) 10d NAILS (TWO REQ'D)
THA218-2 **	LOADS LESS THAN 1550#	TWO PLY TRUSS
LTT20B	LOADS LESS THAN 1750#	TWO PLY TRUSS (10) 16d NAILS (TWO REQ'D)
(2) HD8A OR (4) HD5A	6465#	TWO PLY TRUSS
(2) HD5A	3705#	ONE PLY TRUSS

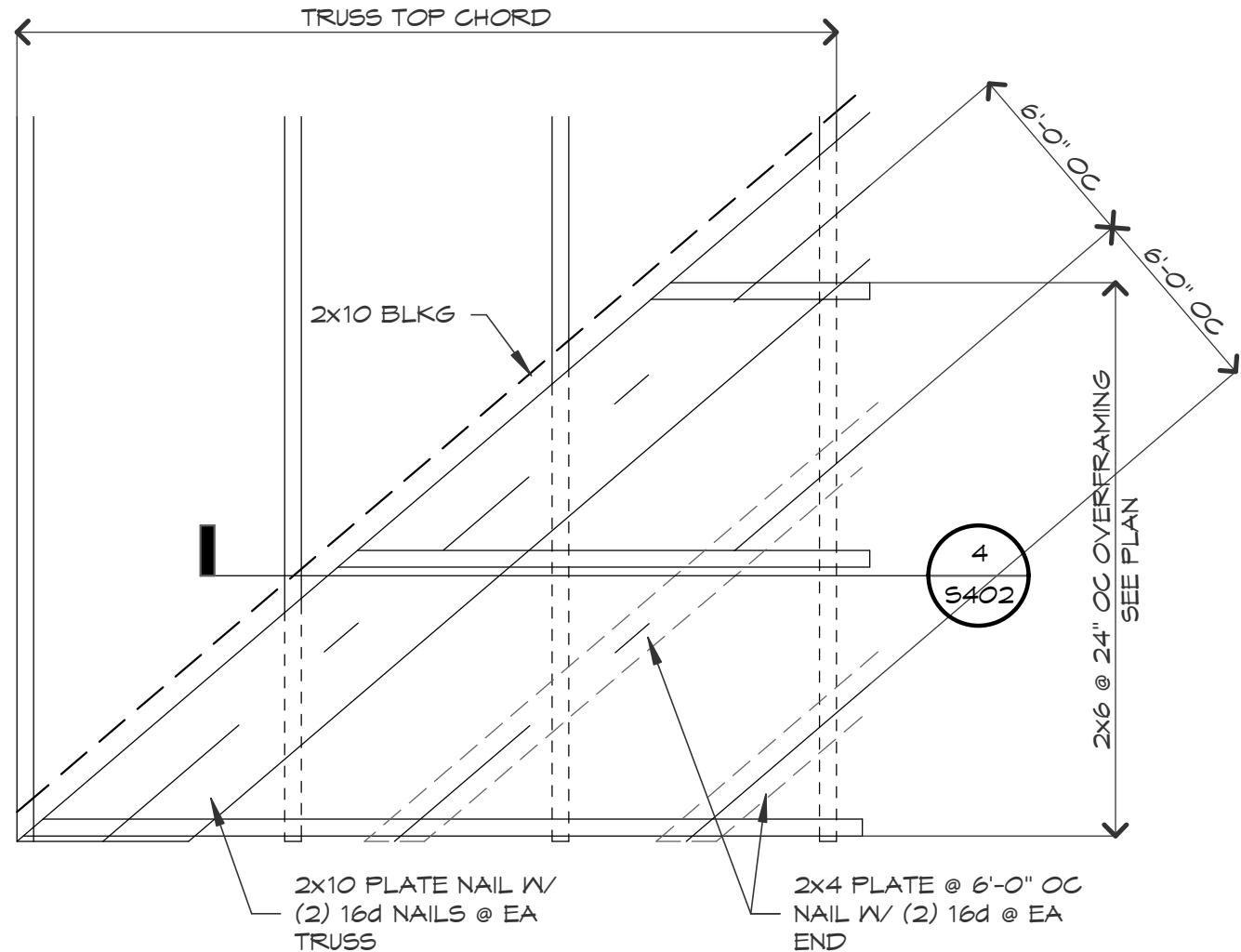
NOTES:

- * INSTALL SIMPSON MTS12 NEAREST ADJACENT STUD TO TOP PLATE.
 - ** INSTALL SIMPSON MTS12 AT TWO NEAREST ADJACENT STUDS TO TOP PLATE.
- INSTALL ALL ANCHORS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.

12 ROOF TRUSS UPLIFT ANCHOR SCHEDULE
SCALE: 3/4" = 1'-0"



6 ROOF TRUSS PROFILE RT-2
SCALE: 3/16" = 1'-0"

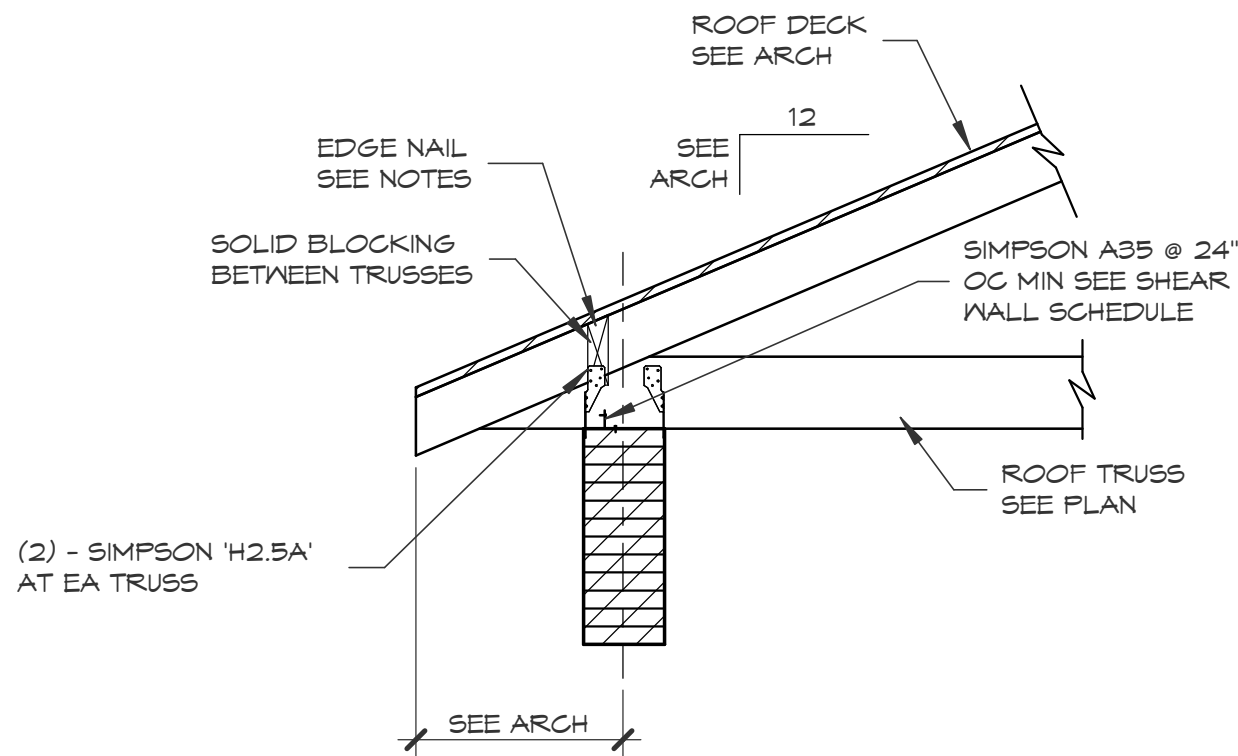
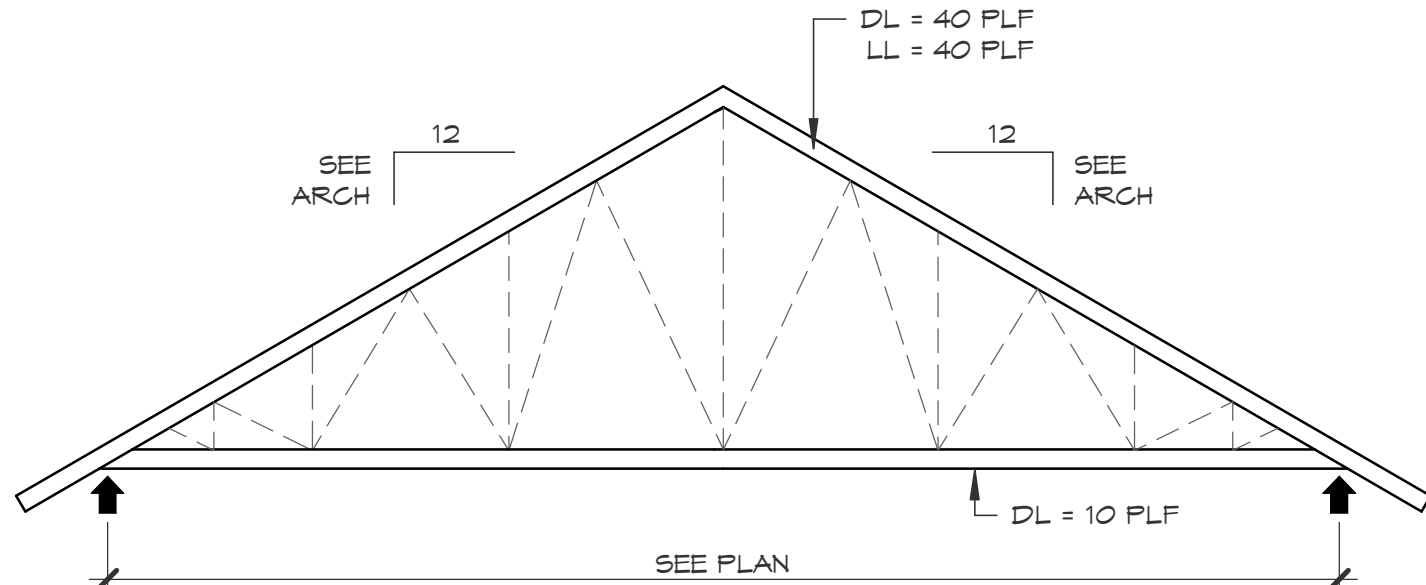


3 PLAN AT OVERFRAMING
SCALE: 3/4" = 1'-0"

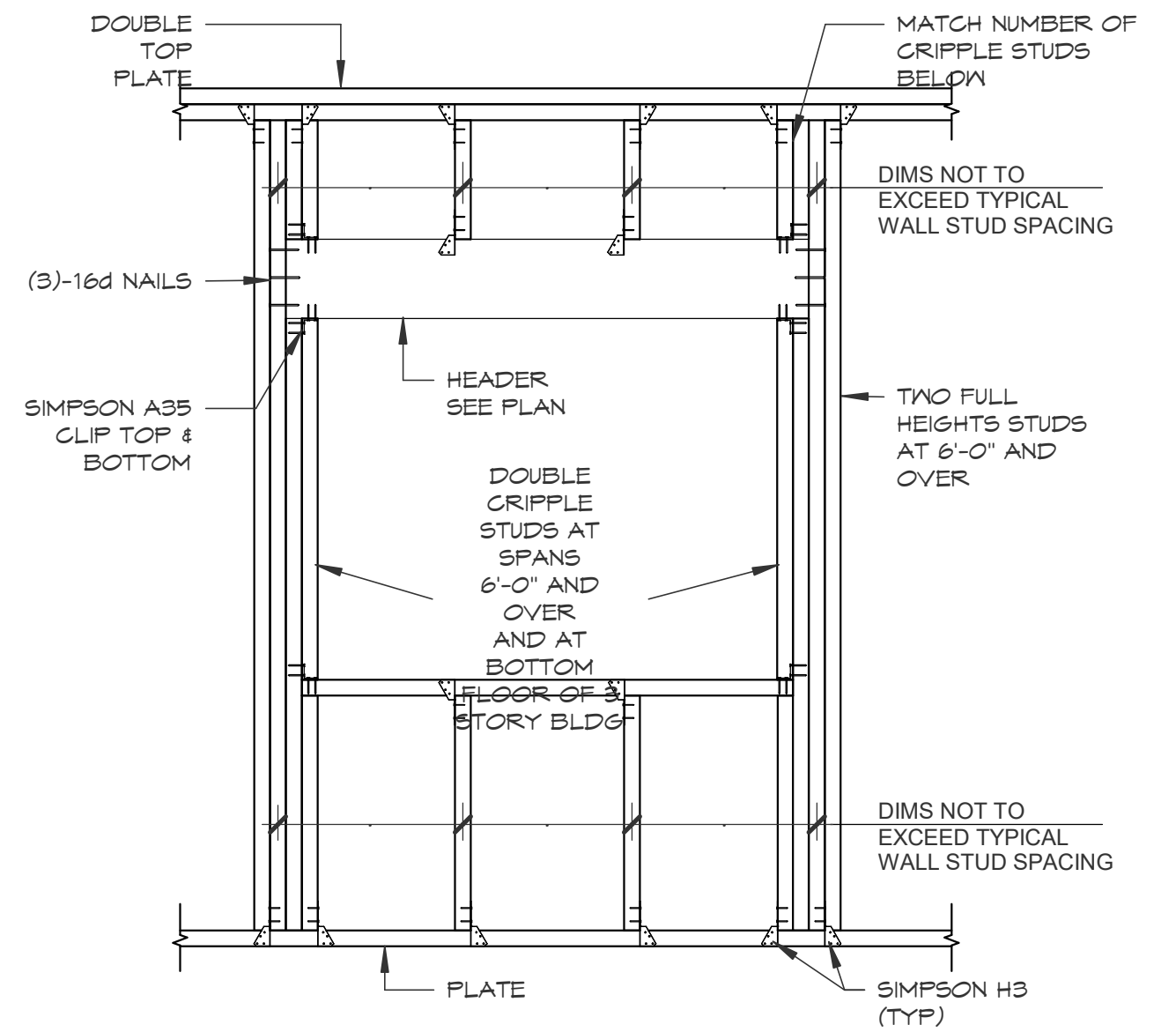
CONNECTIONS		NAILING
1. JOIST TO SILL OR GIRDER, TOENAIL		(3) 8d
2. BRIDGING TO JOIST, TOENAIL EA. END		(2) 8d
3. 1"x6" SUBFLOOR OR LESS TO EA. JOIST, FACE NAIL		(2) 8d
4. WIDER THAN 1"x6" SUBFLOOR TO EA. JOIST FACE NAIL		(3) 8d
5. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL		(2) 16d
6. SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS		16d @ 16" OC (3) 16d PER 16"
7. TOP PLATE TO STUD, END NAIL		(2) 16d
8. STUD TO SOLE PLATE	(4) 8d, TOENAIL OR (2) 16d, END NAIL	
9. DOUBLE STUDS, FACE NAIL		16d @ 24" OC
10. DOUBLE TOP PLATES, FACE NAIL DOUBLE TOP PLATES, LAP SPICE		16d @ 16" OC (8) 16d
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL		(3) 8d
12. RIM JOIST TO TOP PLATE, TOENAIL		8d @ 6" OC
13. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL		(2) 16d
14. CONTINUOUS HEADER, TWO PIECES		16d @ 16" OC ALONG EA. EDGE
15. CEILING JOIST TO PLATE, TOENAIL		(3) 8d
16. CONTINUOUS HEADER TO STUD, TOENAIL		(4) 8d
17. CEILING JOIST, LAPS OVER PARTITIONS, FACE NAIL		(3) 16d
18. CEILING JOIST TO PARALLEL RAFTERS, FACE NAIL		(3) 8d
19. RAFTER TO PLATE, TOENAIL		(2) 8d
20. 1" BRACE TO EA. STUD AND PLATE, FACE NAIL		(2) 8d
21. 1"x8" SHEATHING OR LESS TO EA. BEARING, FACE NAIL		(2) 8d
22. WIDER THAN 1"x8" SHEATHING TO EA. BEARING, FACE NAIL		(2) 8d
23. BUILT-UP CORNER STUDS		16d @ 24" OC
24. BUILT-UP GIRDER AND BEAMS		20d @ 32" OC AT TOP AND BOTTOM AND STAGGERED (2) 20d @ EA. ENDS AND AT EA. SPICE
25. TRUSS TO PLATE, TOENAIL		(3) 16d

11 NAILING SCHEDULE
SCALE: 3/4" = 1'-0"

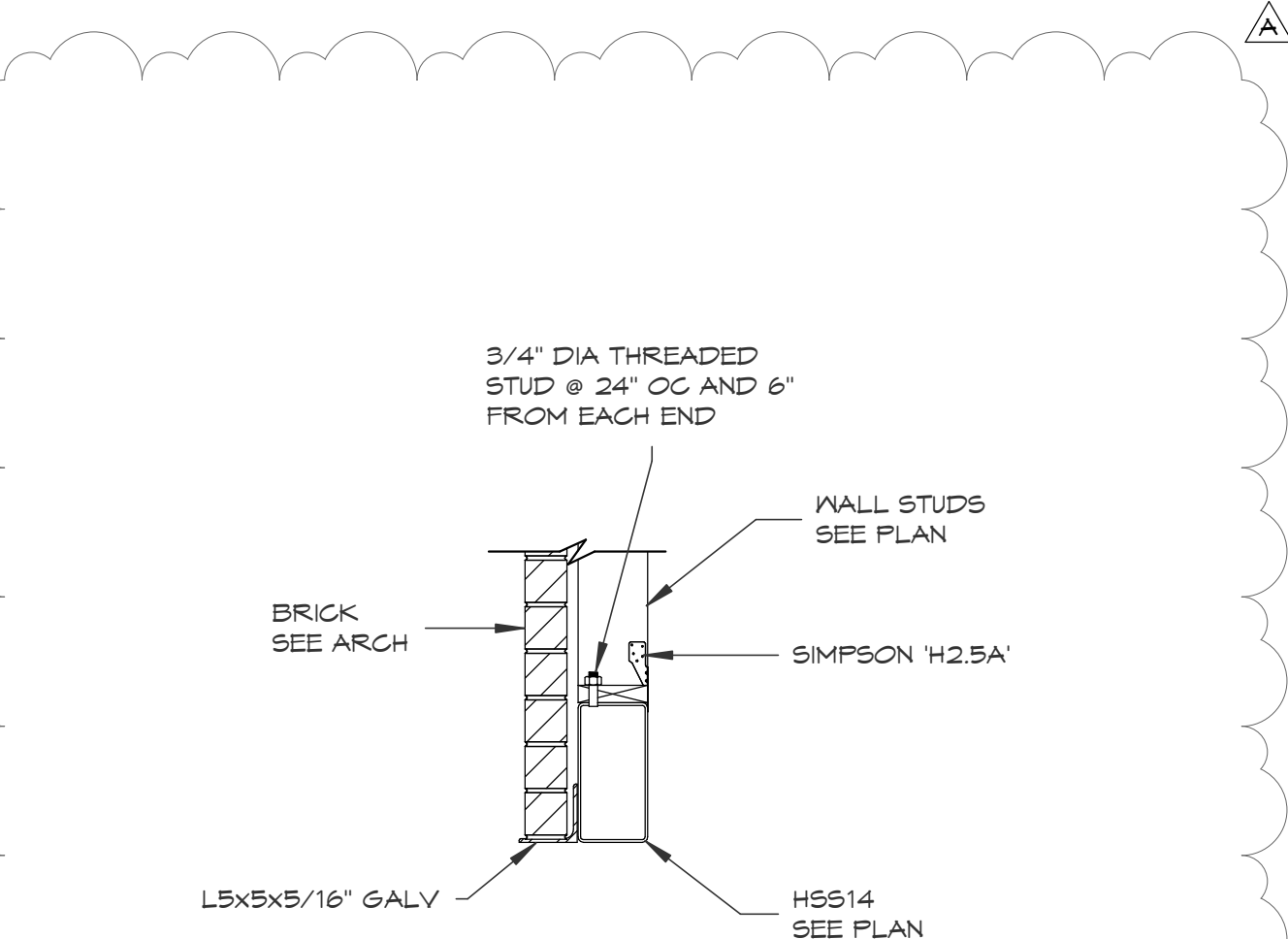
9 DETAIL AT DRIVE THRU
SCALE: 3/4" = 1'-0"



5 ROOF TRUSS PROFILE RT-1
SCALE: 3/16" = 1'-0"



2 HEADER DETAIL
SCALE: 3/4" = 1'-0"



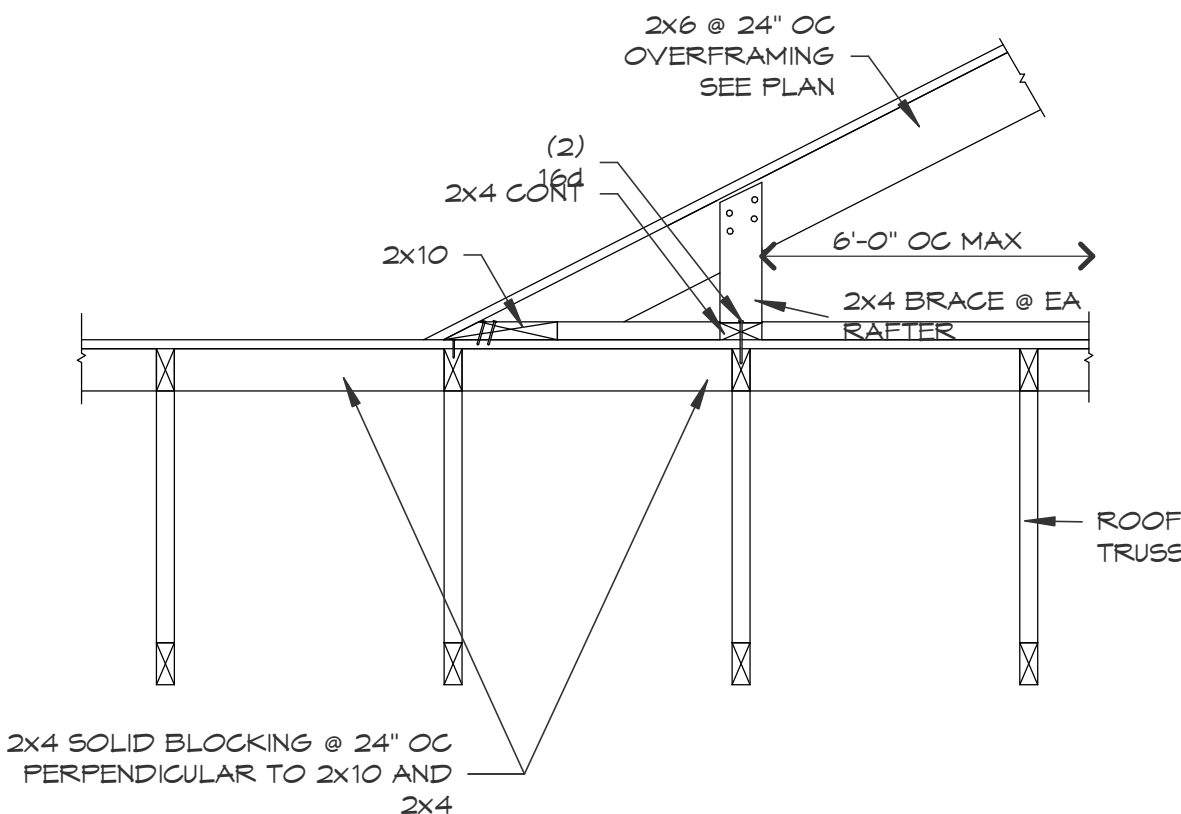
10 DETAIL
SCALE: 3/4" = 1'-0"

JOIST(BEAM OR TRUSS) HANGER SCHEDULE		
2x6		LUS26
2x8		LUS26
2x10		LUS28
2x12		LUS210
(2) 2x6		HUS26-2TF
(2) 2x8		HUS28-2TF
(2) 2x10		HUS210-2TF
(2) 2x12		HUS210-2TF
(3) 2x10		HUS210-2TF
(3) 2x12		HU212-3TF
3 1/2 x 9 1/4 PARALLAM		HW 149.25
5 1/4 x 9 1/4 PARALLAM		WP 5.31/9.25
5 1/4 x 12 PARALLAM		HWU 5.50/12
TRUSS TO TRUSS		AS SPECIFIED BY TRUSS ENGINEER

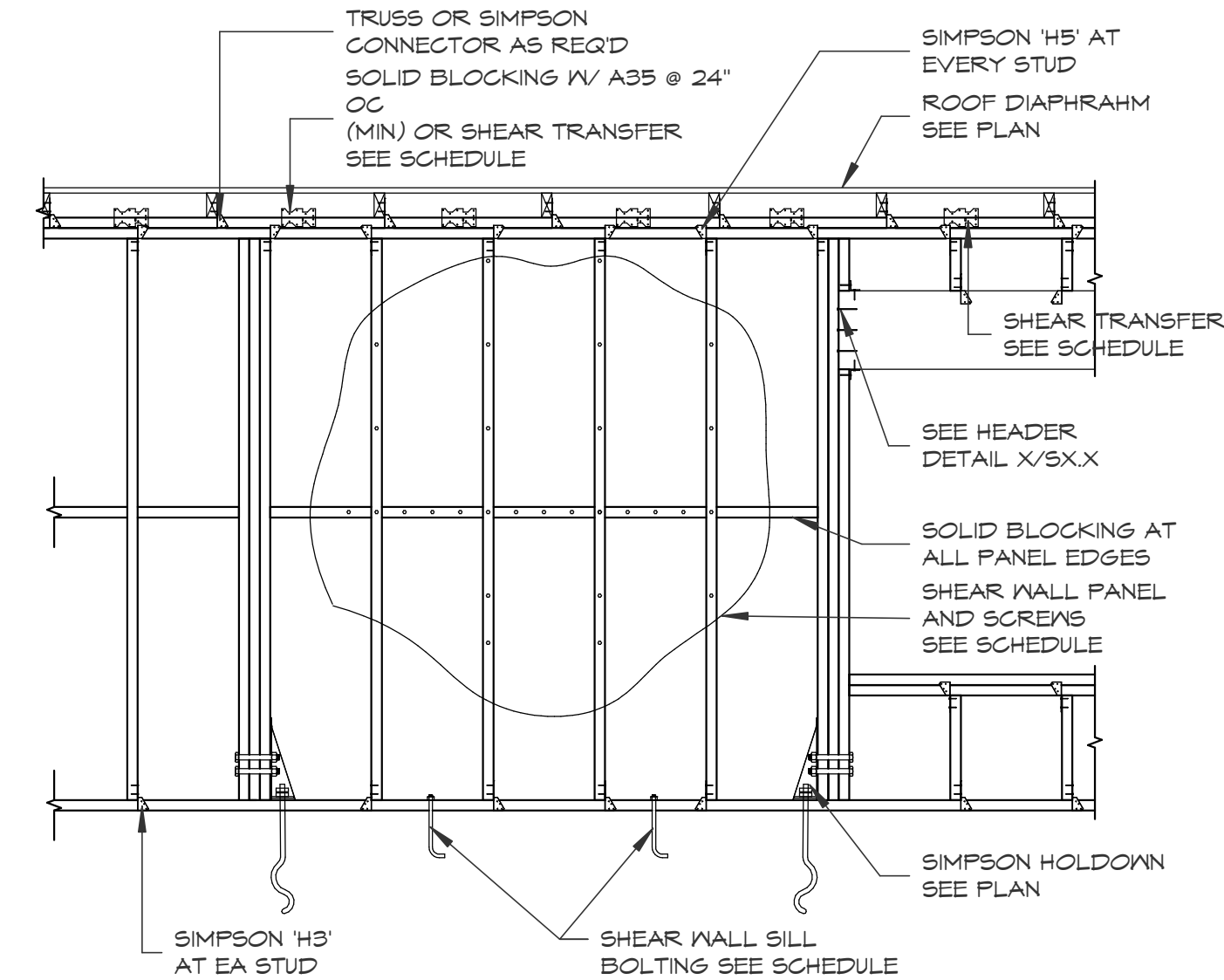
NOTES:

- SEE TIMBER GENERAL NOTES NO. XX
- PROVIDE HANGERS AT ALL LOCATIONS WHERE MEMBERS FRAME TOGETHER AT THE SAME ELEVATION (U.N.O.)
- WHERE WOOD BEAMS FRAME INTO STEEL COLUMNS, PROVIDE 1/4" PLATE SADDLE WITH BEARING PLATE WELDED TO COLUMN.
- PROVIDE SLOPED HANGERS WHERE REQUIRED.

7 HANGER SCHEDULE
SCALE: 3/4" = 1'-0"



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



1 SHEAR WALL SECTION
SCALE: NTS



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NBT
National Bank & Trust
National Bank & Trust - Bastrop
264 FM 969 BLDG. 3
BASTROP, TX 78602

Project Number : 8899

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ISSUED FOR BIDDING		
ISSUED FOR PERMIT		09/10/26
ISSUED FOR CONSTRUCTION		
REVISIONS		
MARK	DESCRIPTION	DATE
A	ADDENDUM A	09/18/26

CJG ENGINEERS
STRUCTURAL ENGINEERS
TEXAS ENGINEERING FIRM
NO. F-170
6051 NORTH COURSE DRIVE
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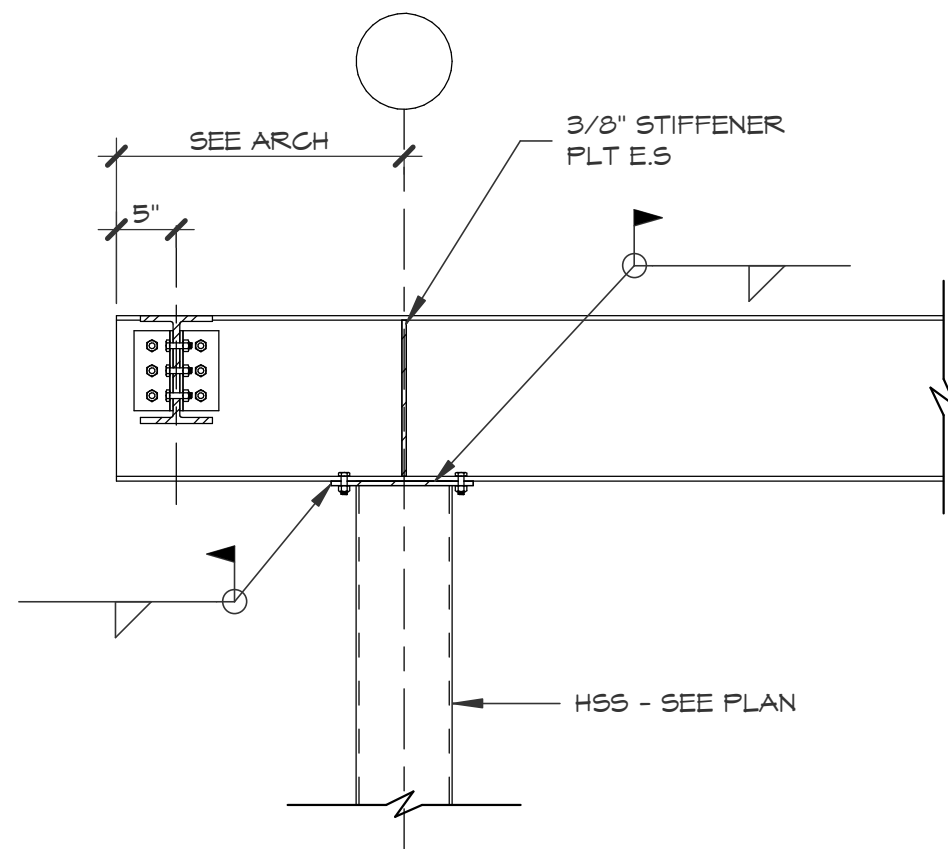
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BRITT GARDNER
90958
PROFESSIONAL ENGINEER
18 September 2026

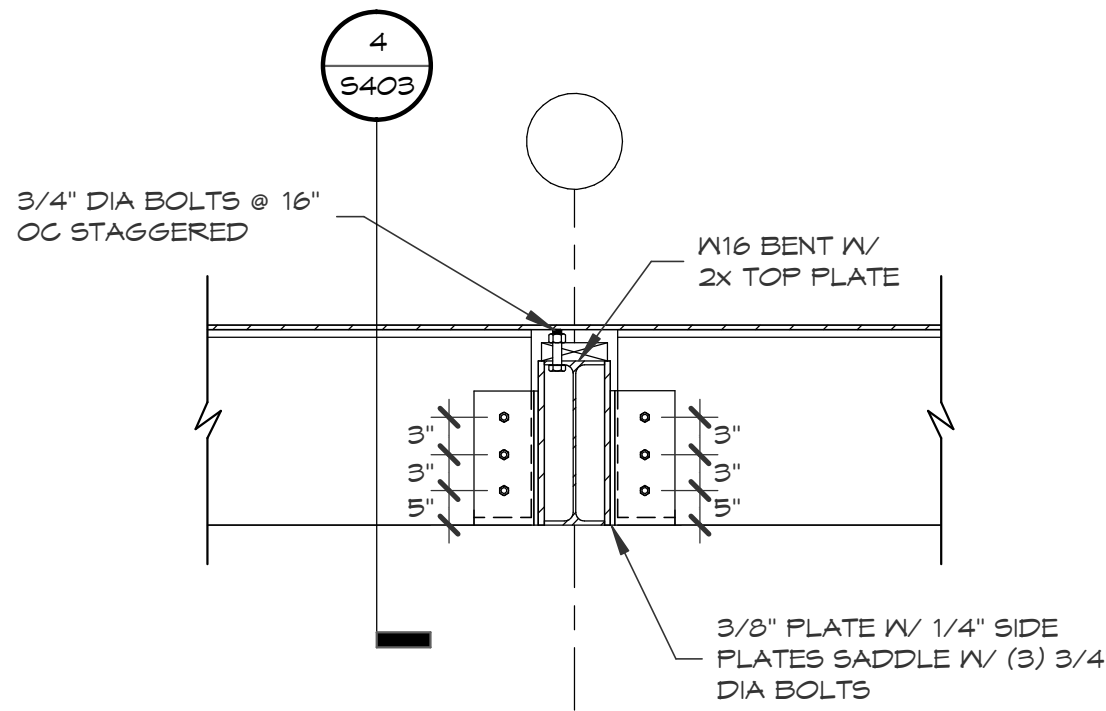
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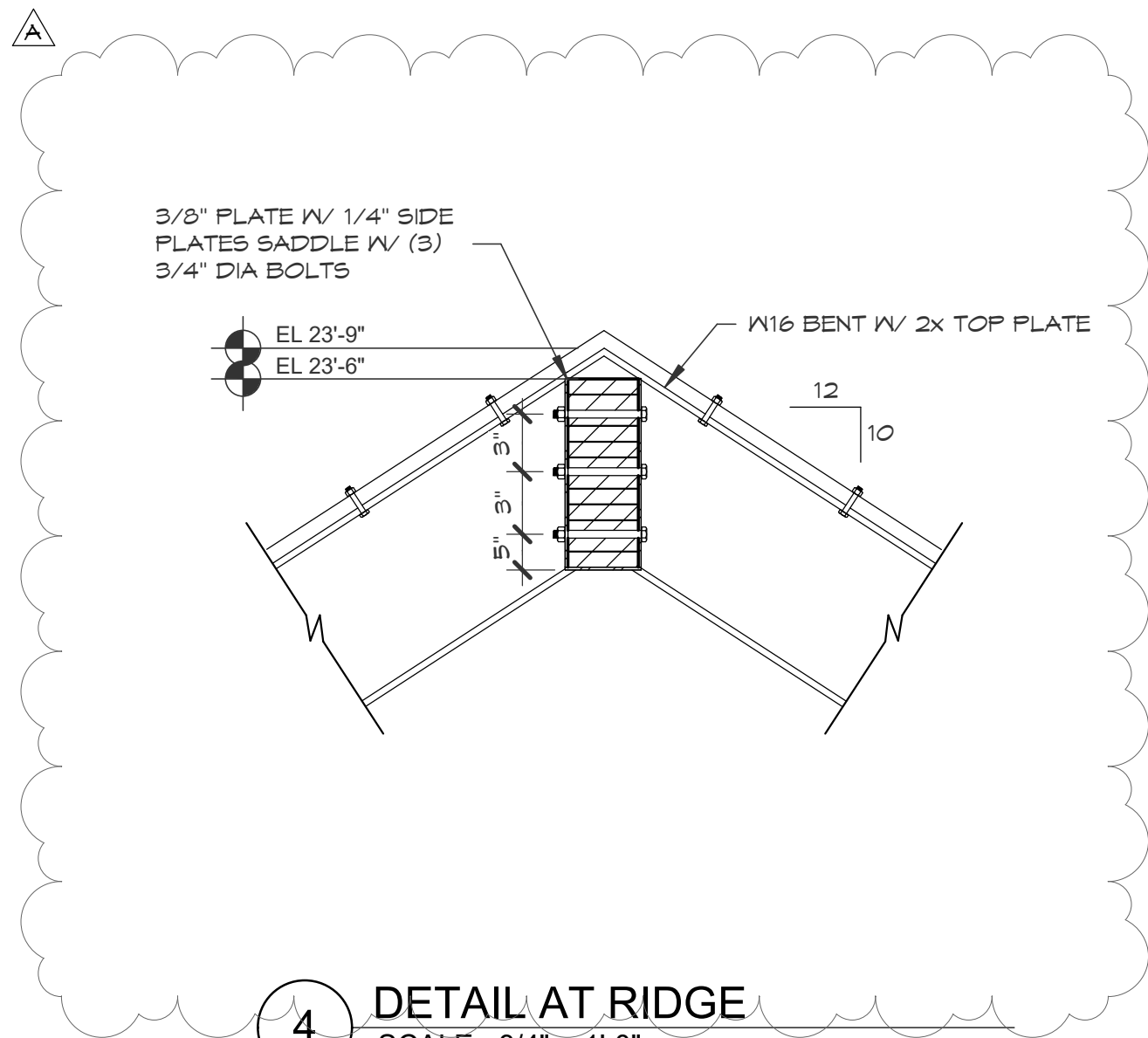
Z:\2081087 - National Bank and Trust - Bastrop\001 Revit Models - \2026\National Bank & Trust R26.rvt



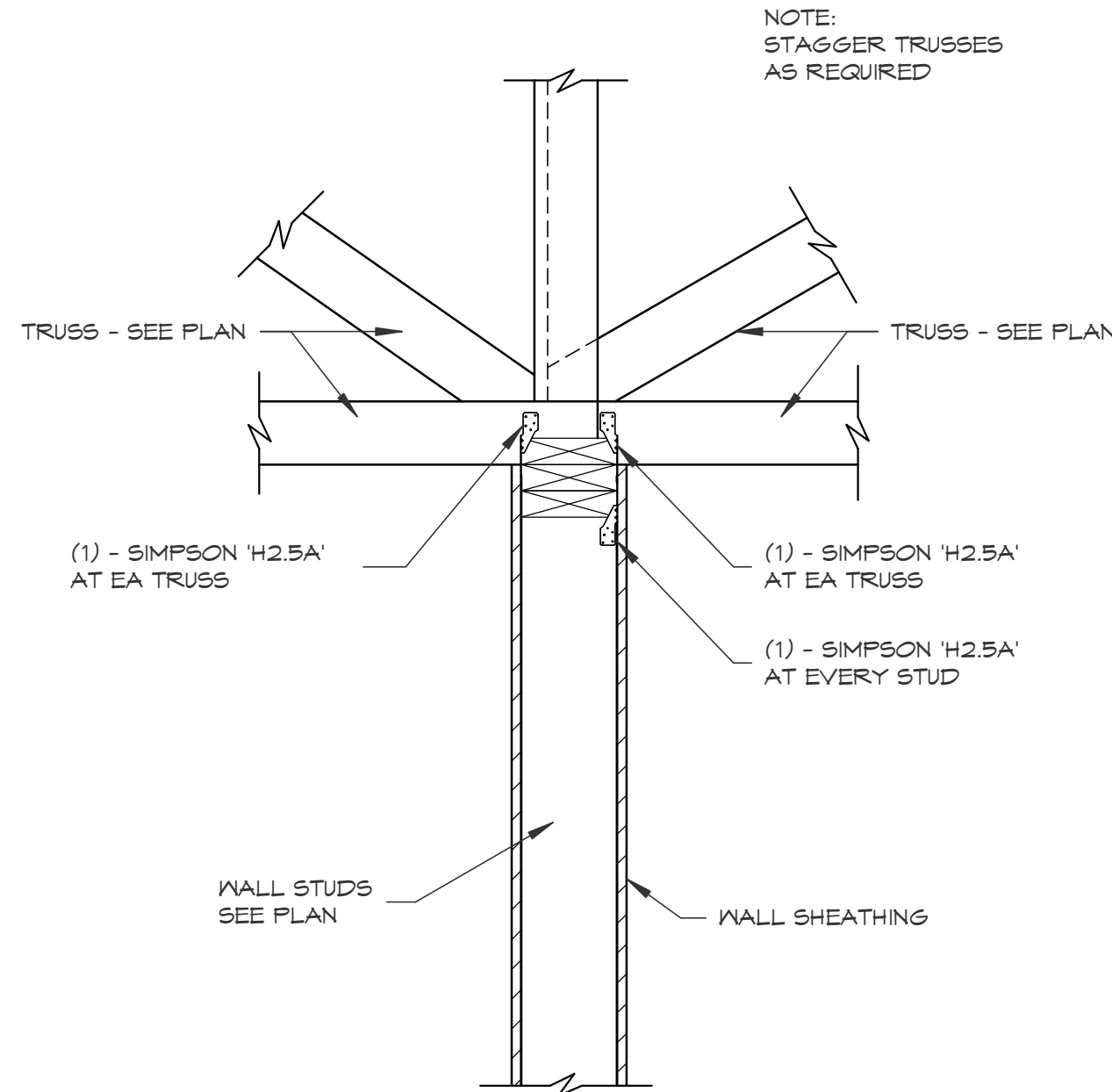
6 CANTILEVER DETAIL
SCALE: 3/4" = 1'-0"



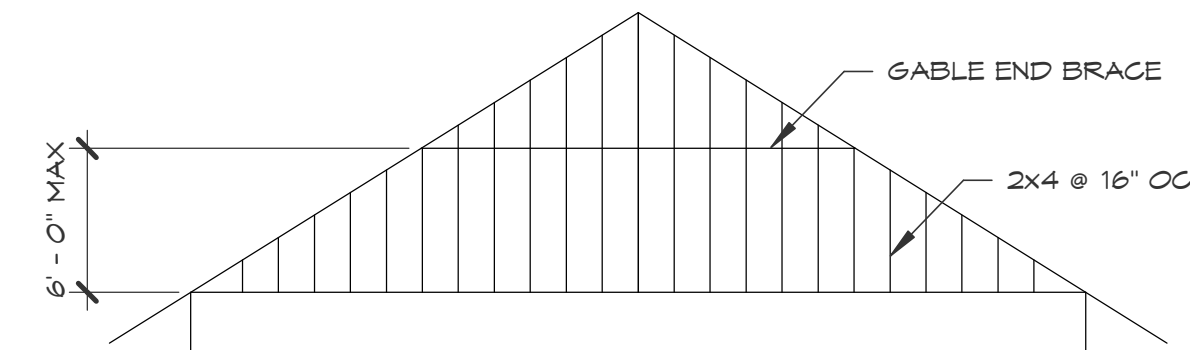
5 DETAIL AT RIDGE TO WX BENT
SCALE: 3/4" = 1'-0"



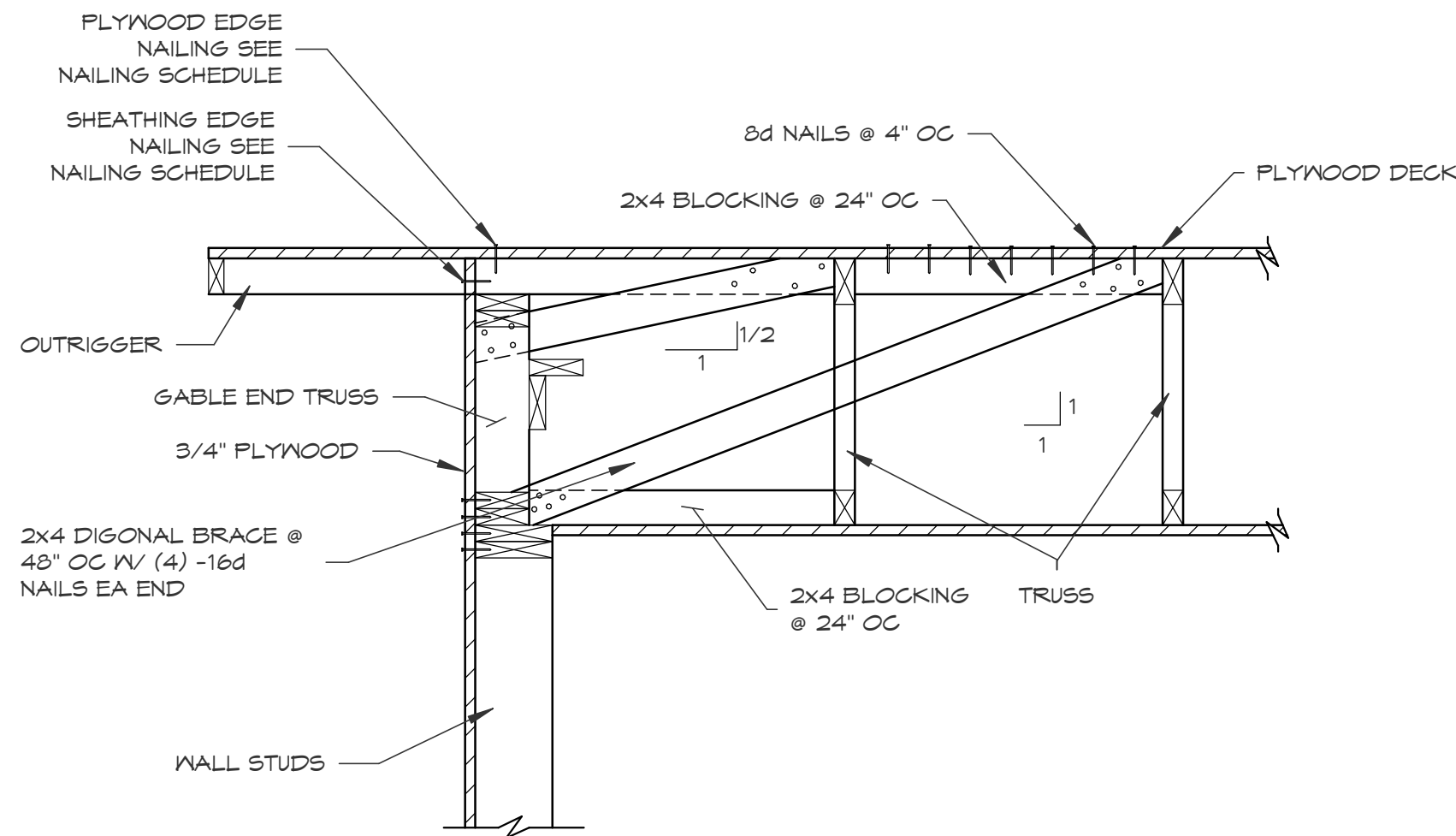
4 DETAIL AT RIDGE
SCALE: 3/4" = 1'-0"



3 TYPICAL INTERIOR LOAD-BEARING WALL SUPPORTING TRUSSES
SCALE: 3/4" = 1'-0"



GABLE END TRUSS



1 GABLE END DETAIL
SCALE: 3/4" = 1'-0"



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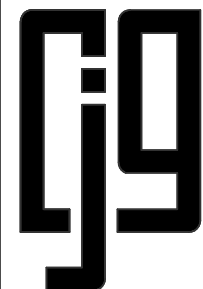
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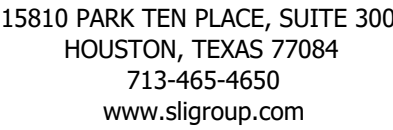
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PLUMBING SPECIFICATIONS			SLI GROUP, INC.		
DOMESTIC WATER PIPING - COPPER TUBE AND FITTINGS			15810 PARK TEN PLACE, SUITE 300 HOUSTON, TEXAS 77064 713-665-4650 www.sligroup.com		
A. HARD COPPER TUBE: ASTM B 88, TYPE L (ASTM B 88M, TYPE B) WATER TUBE, DRAWN TEMPER. 1. CAST-COPPER SOLDER-JOINT FITTINGS: ASME B16.18, PRESSURE FITTINGS. 2. WROUGHT-COPPER SOLDER-JOINT FITTINGS: ASME B16.22, WROUGHT-COPPER PRESSURE FITTINGS. 3. BRONZE FLANGES: ASME B16.24, CLASS 150, WITH SOLDER-JOINT ENDS. 4. COPPER UNIONS: MSS SP-123, CAST-COPPER-ALLOY, HEXAGONAL-STOCK BODY, WITH BALL-AND-SPOUT END, METAL-TO-METAL SEATING SURFACES, AND SOLDER-JOINT OR THREADED ENDS. B. SOFT COPPER TUBE: ASTM B 88, TYPE K (ASTM B 88M, TYPE A) AND ASTM B 88, TYPE L (ASTM B 88M, TYPE B) WATER TUBE, ANNEALED TEMPER. COPPER SOLDER-JOINT FITTINGS: ASME B16.22, WROUGHT-COPPER PRESSURE FITTINGS, COPPER PRESSURE-SEAL-JOINT FITTINGS. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING: 1. NIBCO INC. 2. VEGA: PLUMBING AND HEATING SYSTEMS. 3. 2 IN (DN 50) AND SMALLER: WROUGHT-COPPER FITTING WITH EPDM-RUBBER O-RING SEAL IN EACH END. NPS 3 AND NPS 4 (DN 80 AND DN 100): CAST-BRONZE OR WROUGHT-COPPER FITTING WITH EPDM-RUBBER O-RING SEAL IN EACH END. C. DIELECTRIC FITTINGS GENERAL REQUIREMENTS: ASSEMBLY OF COPPER ALLOY AND FERROUS MATERIALS WITH SEPARATING NONCONDUCTIVE INSULATING MATERIAL. INCLUDE END CONNECTIONS COMPATIBLE WITH PIPES TO BE JOINED. D. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF DOMESTIC WATER PIPING. INDICATED LOCATIONS AND ARRANGEMENTS ARE USED TO SIZE PIPE AND CALCULATE FRICTION LOSS, EXPANSION, AND OTHER DESIGN CONSIDERATIONS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED ON COORDINATION DRAWINGS. E. INSTALL COPPER TUBING UNDER BUILDING SLAB ACCORDING TO CDA'S "COPPER TUBE HANDBOOK". F. INSTALL SHUTOFF VALVE IMMEDIATELY UPSTREAM OF EACH DIELECTRIC FITTING. G. INSTALL DOMESTIC WATER PIPING LEVEL WITH 0.125 PERCENT SLOPE DOWNWARD TOWARD DRAIN AND PLUMB. H. INSTALL PIPING CONCEALED FROM VIEW AND PROTECTED FROM PHYSICAL CONTACT BY BUILDING OCCUPANTS UNLESS OTHERWISE INDICATED AND EXCEPT IN EQUIPMENT ROOMS AND SERVICE AREAS. I. INSTALL PIPING INDICATED TO BE EXPOSED AND PIPING IN EQUIPMENT ROOMS AND SERVICE AREAS AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE. J. INSTALL PIPING ADJACENT TO EQUIPMENT AND SPECIALTIES TO ALLOW SERVICE AND MAINTENANCE. K. INSTALL PIPING TO PERMIT VALVE SERVICING. L. INSTALL NIPPLES, UNIONS, SPECIAL FITTINGS, AND VALVES WITH PRESSURE RATINGS THE SAME AS OR HIGHER THAN SYSTEM PRESSURE RATING USED IN APPLICATIONS BELOW UNLESS OTHERWISE INDICATED. N. INSTALL PIPING FREE OF SAGS AND BENDS. O. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS. P. INSTALL UNIONS IN COPPER TUBING AT FINAL CONNECTION TO EACH PIECE OF EQUIPMENT, MACHINE, AND SPECIALTY. Q. INSTALL SLEEVES FOR PIPING PENETRATIONS OF WALLS, CEILINGS, AND FLOORS. R. INSTALL ESCUTOCHOS FOR PIPING PENETRATIONS OF WALLS, CEILINGS, AND FLOORS. S. INSTALL SHUTOFF VALVE CLOSE TO WATER MAIN ON EACH BRANCH AND RISER SERVING PLUMBING FIXTURES OR EQUIPMENT ON EACH WATER SUPPLY TO EQUIPMENT, AND ON EACH WATER SUPPLY TO PLUMBING FIXTURES THAT DO NOT HAVE SUPPLY STOPS. USE BALL VALVES FOR PIPING NPS 2 (DN 50) AND SMALLER. USE GATE VALVES FOR PIPING NPS 2-1/2 (DN 65) AND LARGER. T. HANGER AND SUPPORT INSTALLATION: SUPPORT VERTICAL PIPING AND TUBING AT BASE AND AT EACH FLOOR. U. ROD DIAMETER MAY BE REDUCED ONE SIZE FOR DOUBLE-ROD HANGERS, TO A MINIMUM OF 3/8 INCH (10 MM). V. INSTALL HANGERS FOR COPPER TUBING WITH THE FOLLOWING MAXIMUM HORIZONTAL SPACING AND MINIMUM ROD DIAMETERS: 1. NPS 3/4 (DN 20) AND SMALLER: 60 INCHES (1500 MM) WITH 3/8-INCH (10-MM) ROD. 2. NPS 1 AND NPS 1-1/4 (DN 25 AND DN 32): 72 INCHES (1800 MM) WITH 3/8-INCH (10-MM) ROD. 3. NPS 1-1/2 AND NPS 2 (DN 40 AND DN 50): 96 INCHES (2400 MM) WITH 3/8-INCH (10-MM) ROD. 4. NPS 2-1/2 (DN 65): 108 INCHES (2700 MM) WITH 1/2-INCH (13-MM) ROD. 5. NPS 3 (DN 80) AND NPS 4 (DN 100): 10 FEET (3 M) WITH 1/2-INCH (13-MM) ROD. 6. NPS 6 (DN 150): 10 FEET (3 M) WITH 5/8-INCH (16-MM) ROD. 7. NPS 8 (DN 200): 10 FEET (3 M) WITH 3/4-INCH (19-MM) ROD. W. INSTALL SUPPORTS FOR VERTICAL COPPER TUBING EVERY 10 FEET (3 M). X. FIELD QUALITY CONTROL PERFORM TESTS AND INSPECTIONS. Y. PIPING INSPECTIONS: 1. DO NOT ENCLOSE, COVER, OR PUT PIPING INTO OPERATION UNTIL IT HAS BEEN INSPECTED AND APPROVED BY AUTHORITIES HAVING JURISDICTION. 2. DURING INSTALLATION, NOTIFY AUTHORITIES HAVING JURISDICTION AT LEAST ONE DAY BEFORE INSPECTION MUST BE MADE. PERFORM TESTS SPECIFIED BELOW IN PRESENCE OF AUTHORITIES HAVING JURISDICTION. 3. ROUGHING-IN INSPECTION: ARRANGE FOR INSPECTION OF PIPING BEFORE CONCEALING OR CLOSING-IN AFTER ROUGHING-IN AND BEFORE SETTING FIXTURES. 4. FIN INSPECTION: ARRANGE FINAL INSPECTION FOR AUTHORITIES HAVING JURISDICTION TO OBSERVE TESTS SPECIFIED BELOW AND TO ENSURE COMPLIANCE WITH REQUIREMENTS. 5. RENSPECTION: IF AUTHORITIES HAVING JURISDICTION FIND THAT PIPING WILL NOT PASS TESTS OR INSPECTIONS, MAKE REQUIRED CORRECTIONS AND ARRANGE FOR RENSPECTION. 6. REPORTS: PREPARE INSPECTION REPORTS AND HAVE THEM SIGNED BY AUTHORITIES HAVING JURISDICTION. Z. PIPING TESTS: 1. DOMESTIC WATER PIPING: CHECK COMPONENTS TO DETERMINE THAT THEY ARE NOT AIR BOUND AND THAT PIPING IS FULL OF WATER. 2. TEST FOR LEAKS AND DEFECTS IN NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED. IF TESTING IS PERFORMED IN SEGMENTS, SUBMIT A SEPARATE REPORT FOR EACH TEST, COMPLETE WITH DIAGRAM OF PORTION OF PIPING TESTED. 3. LEAVE NEW, ALTERED, EXTENDED, OR REPLACED DOMESTIC WATER PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED. EXPOSE WORK THAT WAS COVERED OR CONCEALED BEFORE IT WAS TESTED. 4. CAP AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 50 PSIG (345 KPA) ABOVE OPERATING PRESSURE, WITHOUT EXCEEDING PRESSURE RATING OF PIPING SYSTEM MATERIALS. ISOLATE TEST SOURCE AND ALLOW TO STAND FOR FOUR HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED. 5. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST PIPING OR PORTION THEREOF UNTIL SATISFACTORY RESULTS ARE OBTAINED. 6. PREPARE REPORTS FOR TESTS AND FOR CORRECTIVE ACTION REQUIRED. Z. DOMESTIC WATER PIPING WILL BE CONSIDERED DEFECTIVE IF IT DOES NOT PASS TESTS AND INSPECTIONS. AA. PREPARE TEST AND INSPECTION REPORTS. AB. CLEAN AND DISINFECT POTABLE AND NON-POTABLE DOMESTIC WATER PIPING AS FOLLOWS: AC. PURGE NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USE. AD. USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION, IF METHODS ARE NOT PRESCRIBED, USE PROCEDURES DESCRIBED IN EITHER AWWA C651 OR AWWA C652 OR FOLLOW PROCEDURES DESCRIBED BELOW. 1. FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DRYT WATER DOES NOT APPEAR AT OUTLETS. 2. FLUSH SYSTEM WITH CLEAN, POTABLE WATER UNTIL NO CHLORINE IS IN WATER COMING FROM SYSTEM AFTER THE STANDING TIME SHOWS AUTHORITIES HAVING JURISDICTION. 3. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION. REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION. AE. UNDER-BUILDING-SLAB DOMESTIC WATER PIPING, NPS 2 (DN 50) AND SMALLER, SHALL BE THE FOLLOWING: 1. SOFT COPPER TUBE, ASTM B 88, TYPE L (ASTM B 88M, TYPE B); WROUGHT-COPPER SOLDER-JOINT FITTINGS, AND BRANZED JOINTS. AF. ABOVEGROUND DOMESTIC WATER PIPING, NPS 2 (DN 50) AND SMALLER, SHALL BE THE FOLLOWING: 1. HARD COPPER TUBE, ASTM B 88, TYPE L (ASTM B 88M, TYPE B); WROUGHT-COPPER SOLDER-JOINT FITTINGS; AND SOLDERED JOINTS. 2. COPPER PRESS FITTINGS: AT THE CONTRACTOR'S OPTION ON THE DOMESTIC HOT AND COLD WATER PIPING, COOLING COIL, CONDENSATE DRAINS IN COPPER UNIONS 1/2" DIAMETER UP THROUGH 2-1/2" DIAMETER MECHANICAL PRESS (PRO-PRESS) JOINTS AND FITTINGS INCLUDING THE "SMART CONNECTION" FEATURE OPTION TO ENSURE THAT UNPRESSURED FITTING WILL EASILY AND RELIABLY DETECTED DURING PRESSURE TESTING AS MANUFACTURED BY VEGA, NIBCO AND APOLLO PRESS WILL BE ACCEPTABLE. PROVIDED THE FITTING MANUFACTURER'S RECOMMENDED CRIMPING TOOL WITH PROPERLY SIZED REPLACEABLE JAWS ARE UTILIZED RIGID TOOL COMPANY. INSTALLATION WILL BE IN ACCORDANCE WITH MANUFACTURER'S APPROVED PUBLISHED GUIDELINES HANGERS AND SUPPORTS. AG. ABOVEGROUND DOMESTIC WATER PIPING, NPS 2-1/2 TO NPS 4 (DN 65 TO DN 100), SHALL BE OF THE FOLLOWING: 1. HARD COPPER TUBE, ASTM B 88, TYPE L (ASTM B 88M, TYPE B); CAST-COPPER SOLDER-JOINT FITTINGS; AND SOLDERED JOINTS. 2. GALVANIZED-STEEL PIPE: GROOVED-JOINT, GALVANIZED-STEEL-PIPE APPURTENANCES; AND GROOVED JOINTS. AH. DRAWINGS INDICATE VALVE TYPES TO BE USED, WHERE SPECIFIC VALVE TYPES ARE NOT INDICATED, THE FOLLOWING REQUIREMENTS APPLY: 1. SHUTOFF DUTY: USE BALL VALVES FOR PIPING NPS 2 (DN 50) AND SMALLER. USE GATE VALVES WITH FLANGED ENDS FOR PIPING NPS 2-1/2 (DN 65) AND LARGER. 2. THROTTLING DUTY: USE BALL VALVES FOR PIPING NPS 2 (DN 50) AND SMALLER. USE GATE VALVES WITH FLANGED ENDS FOR PIPING NPS 2-1/2 (DN 65) AND LARGER. 3. HOT-WATER CIRCULATION PIPING, BALANCING DUTY: CALIBRATED BALANCING VALVES. 4. DRAIN DUTY: HOSE-END DRAIN VALVES. AI. USE CHECK VALVES TO MAINTAIN CORRECT DIRECTION OF DOMESTIC WATER FLOW TO AND FROM EQUIPMENT. AJ. IRON GROOVED-END VALVES MAY BE USED WITH GROOVED-END PIPING.			AK. WATER HAMMER ARRESTERS GENERAL REQUIREMENTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING: A. AMTROL, INC. B. JOSAM COMPANY. C. MIFAB, INC. D. PIP INC. E. SIOUX CHIEF MANUFACTURING COMPANY, INC. F. SMITH, JAY R. MFG. CO.; DIVISION OF SMITH INDUSTRIES, INC. G. TYLER PIPE, WADE DIV. H. WAITS DRAINAGE PRODUCTS INC. 2. STANDARD: ASSE 101 OR PDI-WH-201. 3. TYPE: COPPER SUBE WITH PISTON. 4. SIZE: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. INSTALL WATER HAMMER ARRESTERS IN WATER PIPING ACCORDING TO PDI-WH 201. INSTALL AIR VENTS AT HIGH POINTS OF WATER PIPING. INSTALL DRAIN PIPING AND DISCHARGE ONTO FLOOR DRAIN. AL. SANITARY WASTE AND STORM PIPING GENERAL REQUIREMENTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING: A. HUB-AND-SPIGOT, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). GASKETS: ASTM C 564, RUBBER. B. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. C. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. D. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. E. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. F. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. G. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. H. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. I. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. J. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. K. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. L. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. M. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. N. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. O. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. P. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. Q. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. R. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. S. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. T. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. U. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. V. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. W. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. X. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. Y. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. Z. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. AA. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. AB. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. AC. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. AD. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. AE. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. AF. 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HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. DS. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. DT. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. DU. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E5). STANDARD: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. DV. HUBLESS, CAST-IRON SOIL		



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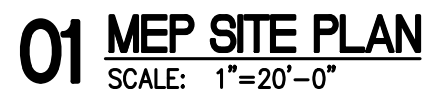


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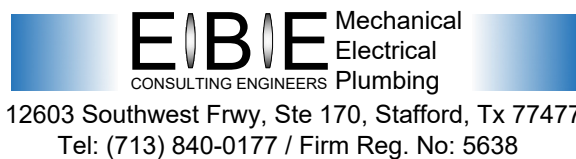
SHEET NO

MEP-4.00



- 1 PROVIDE 30A/120V/1P/3R DISCONNECT FOR MONUMENT SIGN. COORDINATE WITH ARCHITECT AND SIGN MANUFACTURER FOR LOCATION AND ELECTRICAL REQUIREMENTS.
- 2 NEW POLE MOUNTED TRANSFORMERS PER UTILITY COMPANY STANDARDS.
- 3 NEW UNDERGROUND POWER LINES.
- 4 NEW METER AND C.T. CAN PER UTILITY COMPANY STANDARDS. REFER TO RISER DIAGRAM FOR MORE INFORMATION.
- 5 NEW BUILDING TELEPHONE/CABLE-TV CABINET. COORDINATE EXACT REQUIREMENTS WITH TELEPHONE/CABLE-TV COMPANY SERVING AREA PRIOR TO COMMENCEMENT OF WORK.
- 6 PROVIDE (2) 4" AND (1) 3" RIGID PVC EMPTY CONDUITS WITH PULLSTRINGS FOR TELEPHONE AND CABLE-TV SERVICE TO THE BUILDING TELEPHONE/CABLE-TV CABINET TO CLOSEST SERVICE DEMARCATION POINT/PEDESTAL.COORDINATE WITH CIVIL DRAWINGS AND TELEPHONE/CABLE-TV COMPANY SERVING THE AREA FOR EXACT LOCATION AND CONDUIT TERMINATIONS.
- 7 LIGHTING CIRCUIT CONTROLLED BY PHOTOCELL.
- 8 PROVIDE (2) 2" CONDUITS AND (4) 3/4" CONDUITS WITH PULL STRING FOR FUTURE GENERATOR POWER, CONTROL AND COMMUNICATION. COORDINATE ADDITIONAL REQUIREMENTS. CAP AND TAG WITH VENDOR.
- 9 PROVIDE POWER FOR FLAGPOLE LIGHTING. VERIFY LOCATION PRIOR TO INSTALLATION. REFER TO LIGHTING CONTROL NOTES.

- 1 NEW ENTERING 4"Ø SANITARY WASTE. REFER TO CIVIL SHEET FOR CONTINUATION.
- 2 NEW ENTERING 1-1/4"Ø DOMESTIC WATER SERVICE ENTRY. REFER TO DETAILS. REFER TO CIVIL SHEET FOR CONTINUATION.
- 3 PROVIDE NEW NATURAL GAS METER AND REGULATOR FOR GENERATOR. PROVIDE BOLLARD PROTECTION AS REQUIRED. SEE RISERS



1. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS OF TEMPORARY PARTITIONS AND/OR TARPS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
2. CLEAN THE JOB SITE DAILY AND REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS CAUSED BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
4. PROVIDE ALL NECESSARY TEMPORARY OR PERMANENT CAPS OR PLUGS FOR PIPING. DO NOT LEAVE PIPING OPEN ENDED.
5. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
6. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH THE LANDLORD AND ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ALL WORK.
7. SUBMISSION OF PROPOSAL DIRECTLY OR INDIRECTLY IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH HE WILL BE OBLIGATED TO OPERATE SHOULD HE BE AWARDED THE WORK UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
8. ALL WORK SHALL CONFORM TO ALL STATE AND LOCAL CODES, RULES AND REGULATIONS AND ORDINANCES.
9. CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO THE CONTRACT.
10. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. THE CONTRACTOR SHALL PROVIDE ALL HANGERS AND SUPPORTS REQUIRED FOR A COMPLETE INSTALLATION.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR WORKMEN'S IDENTIFICATION AND BADGING, SAFETY AND FIRE PROTECTION, CONTRACTOR'S LIABILITY INSURANCE, BARRICADES, WARNING SIGNS, TRASH REMOVAL, CUTTING AND PATCHING.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING AND PROTECTION OF MATERIALS.
13. CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT AND TRANSFER TO POINT OF INSTALLATION, OWNER FURNISHED ITEMS.
14. WHERE CONDUIT, CABLES, DUCTWORK OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE SLEEVES SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THIS SERVICE.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING AS IT RELATES TO HIS WORK.
16. CONTRACTOR SHALL REFER TO BUILDING MANAGEMENT'S RULES AND REGULATIONS TO COMPLY WITH BUILDING STANDARDS.
17. FLEXIBLE DUCTWORK LENGTHS SHALL NOT EXCEED 5'-0". USE INSULATED RIGID ROUND DUCTWORK WHERE REQUIRED. ALL NEW FLEXIBLE DUCTWORK CONNECTIONS TO AIR DEVICES SHOWN ON THE DRAWING SHALL BE SIZED ACCORDING TO THE NECK SIZE SCHEDULE.
18. THE ENTIRE AIR SUPPLY SYSTEM SHALL BE RE-BALANCED TO THE AIR QUANTITIES INDICATED ON THIS DRAWING BY AN INDEPENDENT AIR BALANCE CONTRACTOR. THE AIR BALANCE CONTRACTOR SHALL SUBMIT NEBB CERTIFIED AIR BALANCE REPORTS FOR ENGINEERING REVIEW AND TO BUILDING MANAGEMENT. PROVIDE AHU DRIVE ADJUSTMENTS AS REQUIRED.
19. REFER TO DRAWING MEP FOR SPECIFICATIONS THAT APPLY TO THIS SHEET.
20. CONTRACTOR SHALL VERIFY THAT SUFFICIENT RETURN AIR OPENINGS ARE PROVIDED IN EXISTING WALLS ABOVE CEILING. AIR IS RETURNED TO THE CEILING PLenum AND THEN TO THE AIR HANDLING UNITS THROUGH RETURN AIR GRILLES, ARCHITECTURAL CEILING OPENING AND LIGHT FIXTURES.
21. CONTRACTOR SHALL PROVIDE TO BUILDING OWNER THE AS-BUILT RECORD DRAWINGS AND THE OPERATING AND MAINTENANCE MANUALS WITHIN 90 DAYS OF SYSTEMS ACCEPTANCE. RECORD DRAWINGS SHALL INCLUDE PERFORMANCE DATA FOR EQUIPMENT, DUCT AND PIPE DISTRIBUTION SYSTEMS, AND AIR AND WATER FLOW RATES. O&M MANUALS SHALL INCLUDE EQUIPMENT, ACCESS AND OPTIONS REQUIRING SERVICE, REQUIRED MAINTENANCE ACTIVITIES, CONTACT INFO OF SERVICE AGENCIES, HVAC CONTROLS CALIBRATION INFORMATION AND SET-POINTS, AND DESCRIPTION OF EQUIPMENTS' INTENDED OPERATIONS.

NOTES:

1. REFRIGERANT TYPE IS R-454B.
2. COORDINATE WITH ELECTRICAL DRAWINGS FOR DISCONNECT AND ADDITIONAL ELECTRICAL REQUIREMENTS.
3. PROVIDE COMPLIANT PROGRAMMABLE THERMOSTAT FOR AHU. T-STAT SHALL BE CALIBRATED TO DISPLAY SPACE TEMPERATURE AT $+/- 1^{\circ}\text{F}$.
4. PROVIDE REQUIRED MAINTENANCE ACCESS PER MANUFACTURER FOR AHU IN PLENUM SPACE.
5. PROVIDE SUPPLY FAN WITH PREMIUM EFFICIENCY, ECM, VARIABLE-SPEED MOTOR.
6. PROVIDE STAINLESS STEEL DRAIN PAN.
7. PROVIDE OPTIONAL CONDENSATE PUMP.
8. PROVIDE PRIMARY AND AUXILIARY DRAIN LINES FROM UNIT TO NEAREST FUNNEL DRAIN. SUPPORT PIPE FOR $1/8"$ PER FOOT SLOPE TO DRAIN.
9. ALL WORK SHALL COMPLY WITH BUILDING MANAGEMENT'S CONTRACTOR RULES AND REGULATIONS.
10. PROVIDE MOTORIZED DAMPER FOR OUTSIDE AIR INTAKE. DAMPER SHALL CLOSE WHEN UNIT IS DE-ENERGIZED.
11. PROVIDE ALL REFRIGERANT LINE ACCESSORIES AND SIZES PER MANUFACTURER.
12. PROVIDE A FACTORY-INSTALLED FLOAT SWITCH TO SHUTDOWN THE UNIT ON HIGH WATER CONDITION.
13. PROVIDE CONDENSING UNIT ON THE GRADE.
14. ALTERNATE MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY MEET THE PERFORMANCE AND SPECIFICATIONS.

TOILET EXHAUST SYSTEM ANALYSIS:

TOILET ROOM SHALL BE EXHAUSTED AT A MINIMUM 50 CFM/FIXTURE IN ACCORDANCE WITH THE CURRENT IMC.

(WOMEN) 1 FIXTURE =	50 CFM
(MEN) 1 FIXTURE =	50 CFM
JANITOR = 35 SQ.FT. X 1 CFM/SQFT	35 CFM
<hr/>	
TOTAL CFM REQUIRED	135 CFM
TOTAL CFM EXHAUSTED	345 CFM

NOTES:

1. INTERLOCK FAN ON/OFF OPERATION WITH THE MOTION SENSOR SWITCH TO OPERATE WHEN SWITCH IS TURNED ON.
2. PROVIDE FAN WITH BACKDRAFT DAMPER, DISCONNECT SWITCH.
3. ALL FAN ONLY RUN INTERMITTENTLY.
4. BALANCE TO SCHEDULED CFM.
5. EF-3: CONNECT THE EXHAUST FAN TO THE SPACE THERMOSTAT. THE FAN SHALL BE ENERGIZED WHEN THE SPACE TEMPERATURE EXCEEDS 78° (ADJUSTABLE SETPOINT).
6. ALTERNATE MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY MEET THE PERFORMANCE AND SPECIFICATIONS.

DIFFUSER NECK SIZE SCHEDULE		
CFM RANGE	SQUARE NECK SIZE	ROUND NECK SIZE
0 – 120	6 X 6	6"Ø
125 – 220	8 X 8	8"Ø
225 – 330	10 X 10	10"Ø
335 – 450	12 X 12	12"Ø
455 – 530	15 X 15	14"Ø
540 – 700	16 X 16	16"Ø

E/BE Project Number : 26129.00



ARCHITECTURE | DESIGN | CONSTRUCTION

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ISSUED FOR CLIENT APPROVAL	DATE
ISSUED FOR BIDDING	09/11/26
ISSUED FOR PERMIT	09/11/26
ISSUED FOR CONSTRUCTION	

REVISIONS		
MARK	DESCRIPTION	DATE
	70% REVIEW SET	07/29/26
	90% REVIEW SET	08/20/26
	ISSUE FOR PERMIT & BID	09/11/26

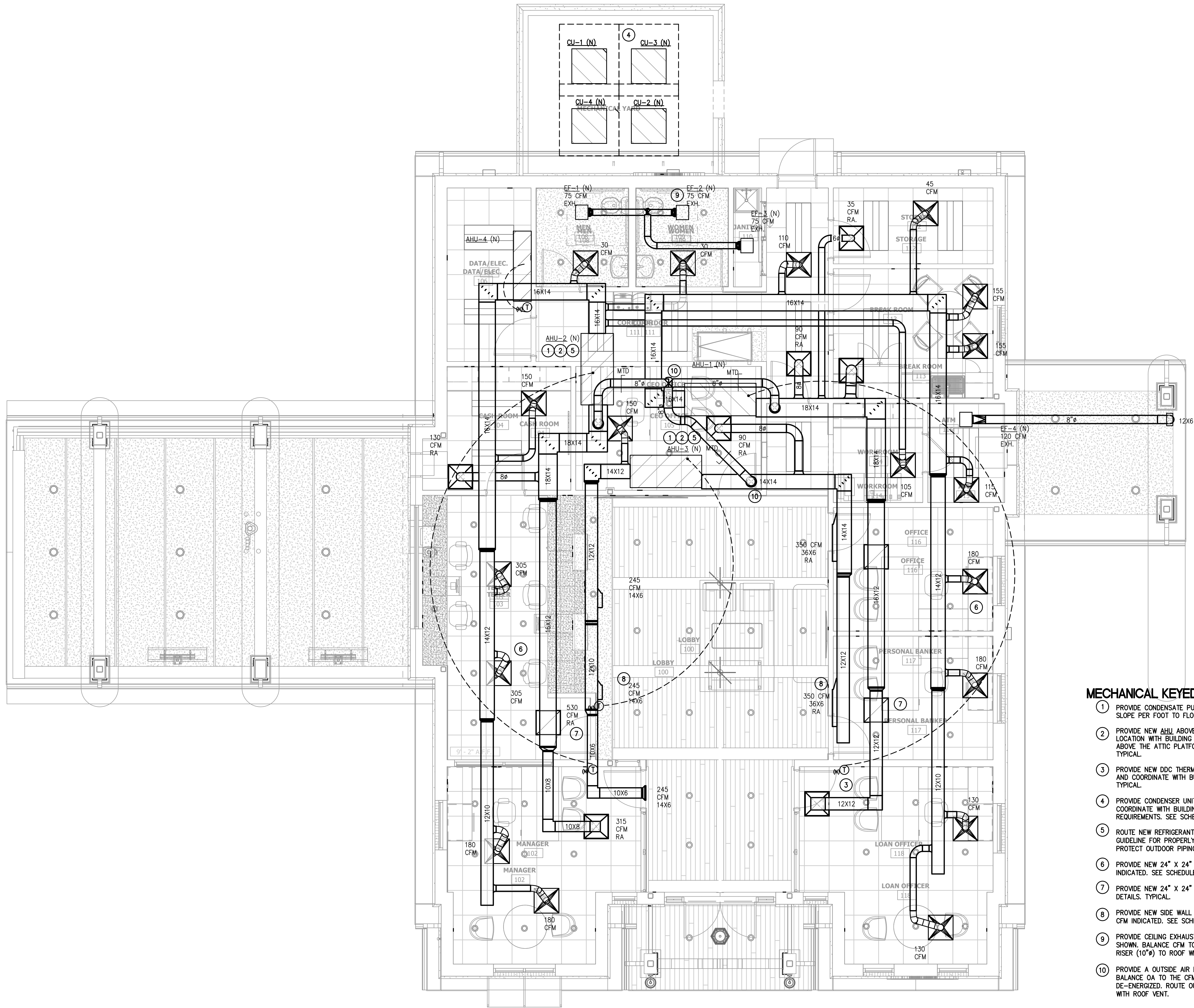
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09/11/2026

DRAWING TITLE	MECHANICAL PLAN
SHEET NO.	

M-1.10



MECHANICAL KEYED NOTES:

- 1 PROVIDE CONDENSATE PUMP AND ROUTE PUMPED 3/4" CONDENSATE DRAIN LINE AT 1/8" SLOPE PER FOOT TO FLOOR DRAIN IN THE MOPSINK. TYPICAL.
- 2 PROVIDE NEW AHU ABOVE ACCESSIBLE CEILING. FIELD VERIFY AND COORDINATE EXACT LOCATION WITH BUILDING ENGINEER AND EXISTING CONSTRAINTS. UNIT WILL BE INSTALLED ABOVE THE ATTIC PLATFORM, COORDINATE WITH ARCH DRAWINGS FOR MORE INFORMATION. TYPICAL.
- 3 PROVIDE NEW DDC THERMOSTAT AT LOCATION INDICATED. CONTRACTOR TO FIELD VERIFY AND COORDINATE WITH BUILDING ENGINEER FOR EXACT THERMOSTAT AND LOCATION. TYPICAL.
- 4 PROVIDE CONDENSER UNIT (CU) ON THE SLAB ON THE GROUND AT LOCATION SHOWN. COORDINATE WITH BUILDING ENGINEER AND ARCHITECT FOR EXACT LOCATION AND OTHER REQUIREMENTS. SEE SCHEDULE AND DETAILS. TYPICAL.
- 5 ROUTE NEW REFRIGERANT PIPING THROUGH WALL WITH A JACK. FOLLOW MANUFACTURER GUIDELINE FOR PROPERLY SIZING REFRIGERANT PIPES. PROTECT PIPING WITH 1" INSULATION. PROTECT OUTDOOR PIPING WITH ALUMINUM JACKET. TYPICAL.
- 6 PROVIDE NEW 24" X 24" SUPPLY AIR DEVICE AT LOCATION INDICATED. BALANCE TO CFM INDICATED. SEE SCHEDULE AND DETAILS. TYPICAL.
- 7 PROVIDE NEW 24" X 24" RETURN AIR GRILLE AT LOCATION INDICATED. SEE SCHEDULE AND DETAILS. TYPICAL.
- 8 PROVIDE NEW SIDE WALL SUPPLY/RETURN DEVICES AT LOCATION INDICATED. BALANCE TO CFM INDICATED. SEE SCHEDULE AND DETAILS. TYPICAL.
- 9 PROVIDE CEILING EXHAUST FAN (EF) AT LOCATION INDICATED WITH THE DUCT SIZE AS SHOWN. BALANCE CFM TO INDICATED. ROUTE EXHAUST DUCT TO THE COMMON EXHAUST RISER (10") TO ROOF WITH EXHAUST VENT.
- 10 PROVIDE A OUTSIDE AIR DUCTWORK WITH THE MOTORIZED DAMPER (MTD) FOR OA INTAKE. BALANCE OA TO THE CFM INDICATED ON PLAN. MTD WILL CLOSE WHEN THE ECU IS DE-ENERGIZED. ROUTE OUTSIDE AIR DUCT TO THE COMMON EXHAUST RISER (12") TO ROOF WITH ROOF VENT.

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



E/B/E Mechanical
Electrical
Plumbing
12603 Southwest Fwy, Ste 170, Stafford, Tx 77477
Tel: (713) 840-0177 / Firm Reg. No: 5638



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[illegible]

Professional Engineer Seal for Jose M. Guerrero, State of Texas, License No. 154536.

M-2.10



02



- ## CEILING DIFFUSER

04



01



- *—EQUALS WIDTH OF BRANCH DUCT UP TO 12".
12" FOR ALL BRANCH DUCTS LARGER THAN 12"

TYP. LOW PRESSURE DUCT TAKE-OFF

05

1. MEP SPECIFICATIONS SHALL APPLY TO ALL WORK SHOWN ON THIS DRAWING UNLESS OTHERWISE NOTED.
2. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL LIGHTING FIXTURES.
3. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL JUNCTION BOXES IN THE JUNCTION BOX GRID AND AVAILABILITY OF ALL CIRCUITS INDICATED TO BE USED.
4. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING EQUIPMENT PRIOR TO CONSTRUCTION. PROVIDE CIRCUIT TRACING AS REQUIRED TO DETERMINE CIRCUIT AVAILABILITY. PROVIDE A WRITTEN REPORT TO ENGINEER AND BUILDING MANAGEMENT SHOWING LIGHTING LOCATIONS AND CIRCUIT NUMBER USED.
5. ALL UNUSED WIRING IS TO BE REMOVED BACK TO SOURCE UNLESS NOTED OTHERWISE.
6. EGRESS AND EXIT LIGHT FIXTURES SHALL BE CONNECTED TO UNSWITCHED HOT CONDUCTOR WITH 2#10/1/2"C.
7. ALL LIGHTING FIXTURES, LAMPS AND EXIT SIGNS SHALL MATCH BANK STANDARD UNLESS OTHERWISE NOTED.
8. CONTRACTOR SHALL REFER TO BUILDING MANAGEMENT'S "RULES AND REGULATIONS" TO COMPLY WITH BUILDING STANDARDS.
9. LIGHTING FIXTURES SHALL BE PROTECTED TO COMPLY WITH THE BUILDING FLOOR/CEILING FIRE RATED ASSEMBLY.
10. FOR RETURN AIR PLENUMS, ALL MATERIALS LOCATED WITHIN A RETURN AIR PLENUM SHALL BE RATED AND APPROVED FOR INSTALLATION IN A RETURN AIR PLENUM.

FINAL FIRE ALARM PLANS WILL BE PREPARED AND SUBMITTED FOR PERMIT REVIEW AND APPROVAL UPON THE SELECTION OF THE FIRE ALARM SUBCONTRACTOR FOR THE PROJECT. SUBCONTRACTOR SHALL PROVIDE PRICING FOR A FULL AND COMPLETE SYSTEM. INCLUDE COSTS FOR ADDITIONAL DEVICES IF THE SUBCONTRACTOR DEEMS IT NECESSARY. GC SHALL ENSURE THAT ALL COSTS FOR ROUGH-IN OF DEVICES IS COORDINATED BETWEEN TRADES AND ACCOUNTED FOR IN THE BID.

1. MEP SPECIFICATIONS SHALL APPLY TO ALL WORK ON THIS DRAWING UNLESS OTHERWISE NOTED.
2. REFER TO ARCHITECT FOR EXACT HEIGHT AND LOCATION OF ALL FLOOR AND WALL OUTLETS.
3. ALL DATA/TELEPHONE OUTLETS SHALL BE PROVIDED WITH PULL STRINGS.
4. CONTRACTOR SHALL LOCATE ALL ELECTRICAL & TELEPHONE OUTLETS WITHIN THE LIMITS OF THE TENANT FURNITURE PLAN PROVIDED BY THE ARCHITECT. CONTRACTOR SHALL MARK INTENDED LOCATION OF ALL OUTLETS PRIOR TO INSTALLATION, THEN SHALL NOTIFY TENANT FOR APPROVAL BEFORE PROCEEDING.
5. CONTRACTOR SHALL PROVIDE NEW CIRCUIT DIRECTORY CARD AT PANELS. CIRCUITS SHALL BE LABELED TO CORRESPOND TO THE CIRCUITS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL CONNECT CIRCUITS AS REQUIRED TO COMPLY WITH THIS DRAWING.
6. CONDUCTORS SHALL BE #12 AWG SOLID COPPER (THWN) IN 1/2" CONDUIT UNLESS OTHERWISE INDICATED.
7. ALL OUTLETS TO BE MOUNTED VERTICALLY UNLESS OTHERWISE INDICATED.
8. CONTRACTOR SHALL PROVIDE ONE PULL STRING FOR EACH VOICE OR DATA OUTLET SHOWN. WHEN VOICE AND DATA OUTLETS ARE SHOWN ADJACENT, CONTRACTOR SHALL PROVIDE ONE PULL STRING (WITH ONE WALL PENETRATION) FOR THE PAIR, UNLESS NOTED OTHERWISE. VOICE AND DATA LINES SHALL BE PULLED BY OTHERS.
9. CONTRACTOR SHALL REFER TO BUILDING MANAGEMENT'S "RULES AND REGULATIONS" TO COMPLY WITH BUILDING STANDARDS.
10. GANG TOGETHER, ALL NEW ELECTRICAL, TELEPHONE AND COMPUTER OUTLETS SHOWN ADJACENT TO EACH OTHER.
11. VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED.
12. COORDINATE THE INSTALLATION OF ELECTRICAL MATERIALS AND EQUIPMENT ABOVE CEILING SUSPENSION SYSTEM, MECHANICAL EQUIPMENT AND SYSTEMS, AND STRUCTURAL COMPONENTS. COORDINATE ELECTRICAL EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS.
13. VERIFY MECHANICAL EQUIPMENT SWITCH AND CONNECTION REQUIREMENTS, ITEM BY ITEM, WITH THE MECHANICAL CONTRACTOR, BEFORE WIRING EQUIPMENT. RESOLVE ALL DISCREPANCIES WITHOUT FURTHER COST TO OWNER.
14. FOR RETURN AIR PLENUMS, ALL MATERIALS LOCATED WITHIN A RETURN AIR PLENUM SHALL BE RATED AND APPROVED FOR INSTALLATION IN A RETURN AIR PLENUM.

1. PARTIAL INTERIOR LIGHTS CONTROLLED BY MOTION SENSORS AS SHOWN, U.O.N..
2. TIMECLOCK TO BE INTERMATIC ET2845C SERIES WITH FOUR INDEPENDENT OUTPUTS AND HOLIDAY FUNCTION.
TIME CLOCK FEATURES:
 - A. 365-DAY PROGRAMMABLE CLOCK WITH 48 ON/48 OFF FEATURES.
 - B. AUTOMATIC DAYLIGHT SAVING TIME (DST) ON/OFF ADJUSTMENT.
 - C. NON-VOLATILE EEPROM MEMORY FOR LIFETIME PROGRAMMING PROTECTION.
 - D. 100-HOUR SUPERCAPACITOR ELIMINATES BATTERY DEPENDENCY.
 - E. 50 HOLIDAY BLOCKS WITH SCHEDULES.
3. PROVIDE INTERMATIC MODEL #E1235W 2-HOUR ELECTRONIC COUNTDOWN TIMER SWITCH IN PARALLEL CONNECTION FOR OVERRIDE WHERE NOTED.
4. PROVIDE CONTACTORS AS NEEDED.
5. CIRCUITS TO BE CONTROLLED BY TIMECLOCK OUTPUT WITH 2-HOUR TIMED OVERRIDE SWITCH:
A-4
4. CIRCUITS TO BE CONTROLLED BY TIMECLOCK OUTPUT:
A-12, A-16, A-36
5. CIRCUITS TO BE CONTROLLED BY PHOTOCCELL RECEPTORS:
A-6, A-8,10, B-27, B-29.

SYMBOL	DESCRIPTION
	CONDUIT RUN CONCEALED IN WALLS OR ABOVE CEILING. ARROW INDICATES HOMERUN TO PANEL. CONDUCTOR DESIGNATIONS ARE AS FOLLOWS: LONG HATCH INDICATES NEUTRAL, SHORT HATCH INDICATES PHASE, "*" INDICATES INSULATED OR ISOLATED GROUND, "x" INDICATES SWITCHLEG, AND NO HATCHES INDICATES TWO CONDUCTORS.
	PARTIAL HOME RUN. SAME AS ABOVE.
	CONDUIT RUN CONCEALED IN FLOOR SLAB, BELOW FLOOR SLAB OR BELOW GRADE. WIRING SAME AS ABOVE.
	HATCHED LINES INDICATES FIXTURE CONNECTED TO BUILDING EMERGENCY CIRCUIT.
A	2'x4' FLUORESCENT FIXTURE. LETTER INDICATES FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE FOR SPECIFICATIONS.
A	2'x2' FLUORESCENT FIXTURE. LETTER INDICATES FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE FOR SPECIFICATIONS.
A	UNDERCABINET FIXTURE. LETTER INDICATES FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE FOR SPECIFICATIONS.
A	DOWNLIGHT FIXTURE. LETTER INDICATES FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE FOR SPECIFICATIONS.
A	WALL WASHER FIXTURE. LETTER INDICATES FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE FOR SPECIFICATIONS.
	EXIT LIGHT. PROVIDE ARROWS AS INDICATED ON DRAWINGS.
	DUPLEX RECEPTACLE OUTLET; 20 AMP, 125V., 3 WIRE, GROUNDED TYPE.
	QUADRUPLUX RECEPTACLE OUTLET GANGED WITH A COMMON WALL PLATE; (2)-20 AMP, 125V, 3 WIRE, GROUNDED TYPE.
GF	DUPLEX RECEPTACLE OUTLET WITH GROUND FAULT INTERRUPTER; 20 AMP, 125V., 3 WIRE GROUNDED TYPE.
S	FLUSH MOUNTED FLOOR OUTLET W/ RECEPTACLE (S) AND OR DATA AND, OR TELEPHONE.
	COMBINATION TELEPHONE / DATA OUTLET.
	TELEPHONE OUTLET.
	DATA OUTLET
	TELEPHONE TERMINAL BOARD, 4'x8'x3/4" PLYWOOD.
	SINGLE POLE, SINGLE-THROW SWITCH; 20 AMP, 120/277V.
	3-WAY SWITCH: 20 AMP, 120/277V.
OS	OCCUPANCY SENSOR SWITCH. LUTRON MS-B102, U.N.O.
VS	VACANCY SENSOR SWITCH. LUTRON MS-B102, U.N.O.
	DIMMER SWITCH. LUTRON MAESTRO SERIES.
	JUNCTION BOX MOUNTED ABOVE ACCESSIBLE CEILING.
	JUNCTION BOX
	DISCONNECT IN A NEMA 1 ENCLOSURE, UNLESS OTHERWISE SPECIFIED. REFER TO DRAWINGS FOR AMPERAGE, PHASES, & FUSE SIZE. (IF REQUIRED)
	MOTOR STARTER / DISCONNECT IN A NEMA 1 ENCLOSURE, UNLESS OTHERWISE SPECIFIED. REFER TO DRAWINGS FOR AMPERAGE, PHASES, FUSE SIZE (IF REQUIRED), AND SIZE.
	TRANSFORMER - REFER TO DRAWINGS FOR VOLTAGE AND AMPERAGE.
	SURFACE PANELBOARD W/ NEC CLEARANCES; 120/208 VOLT.
	SURFACE PANELBOARD W/ NEC CLEARANCES; 277/480 VOLT.

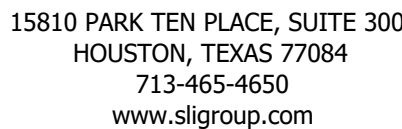
SYMBOL	DESCRIPTION
	A SINGLE LEADER CORRESPONDS TO A SINGLE SWITCH FOR THAT LIGHTING CIRCUIT. THE SWITCH WILL HAVE A CORRESPONDING AND MATCHING DESIGNATION LETTER IF THERE ARE OTHER SWITCHES IN THE SAME ROOM.
	MULTIPLE LEADERS CORRESPOND TO MULTIPLE SWITCHES FOR THAT LIGHTING CIRCUIT. THE QUANTITY OF LEADERS CORRESPONDS TO THE QUANTITY OF SWITCHES THAT CONTROL THAT CIRCUIT. THE SWITCHES WILL HAVE A CORRESPONDING AND MATCHING DESIGNATION LETTER.

MARK	CONTROL DESCRIPTION	CONTROL DEVICES	SEQUENCE OF OPERATION
1	WALL MOUNTED VACANCY SENSING	MS-B102 (DUAL-TECHNOLOGY WALL VACANCY SENSOR)	LIGHT FIXTURES IN THIS ROOM ARE TO BE MANUAL-ON/ AUTO-OFF CONTROLLED BY THE WALL MOUNTED VACANCY SENSOR SWITCH.
1C	WALL MOUNTED OCCUPANCY SENSING	MS-B102 (DUAL-TECHNOLOGY WALL OCCUPANCY SENSOR)	LIGHT FIXTURES IN THIS ROOM ARE TO BE AUTO-ON/ AUTO-OFF CONTROLLED BY THE WALL MOUNTED OCCUPANCY SENSOR SWITCH.
2B	CEILING MOUNTED VACANCY SENSING	PJ2-2B-GXX-L01 (WIRELESS REMOTE SWITCH) LRF2-0CR2B-P (WIRELESS CEILING VACANCY SENSOR) RMJS-16R-DV-B (RELAY POWER PACK WITH WIRELESS RECEIVER)	LIGHT FIXTURES IN THIS ROOM ARE TO BE MANUAL-ON/ AUTO-OFF CONTROLLED BY THE RELAY POWER PACK WITH WIRELESS RECEIVER; RECEIVING INPUTS FROM THE WIRELESS CEILING MOUNTED VACANCY SENSOR & THE WIRELESS REMOTE SWITCH.
2C	CEILING MOUNTED OCCUPANCY SENSING	PJ2-2B-GXX-L01 (WIRELESS REMOTE SWITCH) LRF2-0CR2B-P (WIRELESS CEILING OCCUPANCY SENSOR) RMJS-16R-DV-B (RELAY POWER PACK WITH WIRELESS RECEIVER)	LIGHT FIXTURES IN THIS ROOM ARE TO BE AUTO-ON/ AUTO-OFF CONTROLLED BY THE RELAY POWER PACK WITH WIRELESS RECEIVER; RECEIVING INPUTS FROM THE WIRELESS CEILING MOUNTED OCCUPANCY SENSOR & THE WIRELESS REMOTE SWITCH.
3	WALL MOUNTED VACANCY SENSING WITH DIMMING	MRF2S-BSD010 (PIR WALL VACANCY SENSOR WITH 0-10V DIMMING)	LIGHT FIXTURES IN THIS ROOM ARE TO BE MANUAL-ON/ AUTO-OFF CONTROLLED BY THE WALL MOUNTED VACANCY SENSOR SWITCH WITH DIMMING CAPABILITIES.
4B	CEILING MOUNTED VACANCY SENSING WITH DIMMING	PJ2-2BRL-GXX-L01 (WIRELESS REMOTE SWITCH WITH DIMMING) LRF2-0CR2B-P (WIRELESS CEILING VACANCY SENSOR) RMJS-8T-DV-B (0-10V DIMMING POWER PACK WITH WIRELESS RECEIVER)	LIGHT FIXTURES IN THIS ROOM ARE TO BE MANUAL-ON/ AUTO-OFF CONTROLLED BY THE DIMMING POWER PACK WITH WIRELESS RECEIVER; RECEIVING INPUTS FROM THE WIRELESS CEILING MOUNTED VACANCY SENSOR & THE WIRELESS DIMMING REMOTE SWITCH.

THIS CONTROL SCHEDULE IS INTENDED TO PROVIDE GENERAL LIGHTING CONTROL DEVICE QUALITY AND PERFORMANCE REQUIREMENTS ONLY. CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN THE EXACT MODEL/CATALOG NUMBER OF THE LIGHTING CONTROL DEVICES LISTED ABOVE. THIS LIGHTING CONTROL DESIGN IS BASED ON LUTRON LIGHTING CONTROL DEVICES, CONTRACTOR MUST SUBMIT ANY SUBSTITUTION OF AN APPROVED MANUFACTURER TO THE ENGINEER FOR REVIEW.

TYPE	MANUFACTURER + SERIES NUMBER	MOUNTING	LAMPS	VOLTS	REMARKS
			NO./TYPE		
A2	WILLIAMS P/N FT-24-LS-8CS-AF-DIM-UNV 39WB3500K	RECESSED	38.9W LED	120	RECESSED CENTER BASKET LED 2X4 TROFFER. 0-10V DIMMING.
A2E	WILLIAMS P/N FT-24-LS-8CS-AF-EM/10W-DIM -UNV 39WB3500K	RECESSED	38.9W LED	120	RECESSED CENTER BASKET LED 2X4 TROFFER. 0-10V DIMMING. PROVIDE 90 MINUTE BATTERY PACK.
A3	WILLIAMS P/N FT-24-LS-8CS-AF-DIM-UNV 27WB3500K	RECESSED	27.3W LED	120	RECESSED CENTER BASKET LED 2X4 TROFFER. 0-10V DIMMING.
A3E	WILLIAMS P/N FT-24-LS-8CS-AF-EM/10W-DIM -UNV 27WB3500K	RECESSED	27.3W LED	120	RECESSED CENTER BASKET LED 2X4 TROFFER. 0-10V DIMMING. PROVIDE 90 MINUTE BATTERY PACK.
DA	WILLIAMS P/N 4AR-L15/835-DIM-UNV-OM -OF-CS-N-F1	RECESSED	17.2W LED	120	4" RECESSED LED DOWNLHGT. 3500K. 1500LM. 0-10V DIMMING.
DAE	WILLIAMS P/N 4AR-L15/835-EM/7W-DIM-UNV-OM -OF-CS-N-F1	RECESSED	17.2W LED	120	4" RECESSED LED DOWNLHGT. 3500K. 1500LM. 0-10V DIMMING. PROVIDE 90 MINUTE BATTERY PACK.
D4	WILLIAMS P/N 4DR-TL-L10/835-DIM-UNV-OM -OF-CS-N-F1	RECESSED	9W LED	120	4" RECESSED LED DOWNLHGT. 3500K. 1000LM. 0-10V DIMMING.
D4E	WILLIAMS P/N 4DR-TL-L10/835-EM/7W-DIM-UNV-OM -OF-CS-N-F1	RECESSED	9W LED	120	4" RECESSED LED DOWNLHGT. 3500K. 1000LM. 0-10V DIMMING. PROVIDE 90 MINUTE BATTERY PACK.
D4B	WILLIAMS P/N 4DR-TL-L15/835-DIM-UNV-OM -OF-CS-N-F1	RECESSED	9W LED	120	4" RECESSED LED DOWNLHGT. 3500K. 1500LM. 0-10V DIMMING.
G	WILLIAMS P/N 96-4-L62/835-HIAFR-DIM-UNV	SURFACE	48W LED	120	LINEAR LED LIGHT. 3500K. 0-10V DIMMING.
PD	KICHLER ABBOTSWELL 12 LIGHTS CHANDELIER (43496BK) - 39.25"	SUSPENDED	60W LED	120	DECORATIVE PENDANT LIGHT. 0-10V DIMMING.
PD	VISUAL COMFORT & Co. SLO1271TXB	SUSPENDED	19W LED	120	DECORATIVE HANGING LANTERN, TEXTURED BLACK.
UMI	VISUAL COMFORT & Co. SLO1221TXB	WALL	11.8W LED	120	DECORATIVE MINI WALL LANTERN.
D4X	WILLIAMS P/N 4DR-TL-L20/835-DIM-UNV-OW -OF-CS-WET-CC-N-F1	RECESSED	20W LED	120	4" RECESSED LED DOWNLHGT. 3500K. 2000LM. 0-10V DIMMING. WET LOCATION.
SL	LSI P/N MRW-LED-18L-SIL-FT-UNV-DIM-30 -700RI-XX	POLE	270W LED	120	PARKING LOT POLE LIGHT.
WM	LSI P/N XWM-4-LED-12L-40-UE-XX	WALL	77W LED	120	EXTERIOR WALL PACK.
FL	LSI P/N XFLM-MF-LED-28-HO-CW-UE	GROUND	36W LED	120	GROUND MOUNTED FLAG LIGHT.
DL	LSI P/N XIG	GROUND	19W LED	120	GROUND MOUNT LANDSCAPE AND DIRECTIONAL SIGN. LED. WET LOCATION.
X	LSI P/N EX-R-U-WB-WH	SURFACE	< 5W LED	120	NEW EXIT SIGN. PROVIDE WITH 90-MINUTE BATTERY PACK. MATCH DIRECTIONAL ARROWS AS NOTED ON PLANS.
EM2	LSI P/N SRL-D-BK	SURFACE	1.5W LED	120	DOUBLE HEAD LED REMOTE EMERGENCY LIGHT. WET LOCATION.

THIS FIXTURE SCHEDULE IS INTENDED TO PROVIDE GENERAL LIGHTING FIXTURE QUALITY AND PERFORMANCE REQUIREMENTS ONLY. CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN THE EXACT MODEL/CATALOG NUMBER OF THE LIGHTING FIXTURES LISTED ABOVE. ANY DIFFERENCES BETWEEN THIS LIGHTING FIXTURE SCHEDULE AND ARCHITECTURAL DRAWINGS OR MANUFACTURERS PRODUCT LISTINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. FLUORESCENT LIGHTS THAT ARE SHOWN WITH DIMMER CONTROL SHALL BE PROVIDED WITH AN ELECTRONIC DIMMING BALLAST. FLUORESCENT LIGHTS NOT SHOWN DIMMED SHALL HAVE A NON-DIMMING ELECTRONIC BALLAST. ALL LAMPS SHALL MATCH BUILDING STANDARD.



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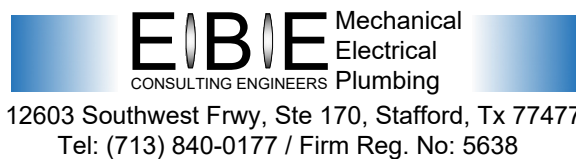
09/24/2026

DRAWING TITLE

ELECTRICAL INFORMATION

SHEET NO.

E-0.10



ISSUED FOR CLIENT APPROVAL	DATE
ISSUED FOR BIDDING	09/11/26
ISSUED FOR PERMIT	09/11/26
ISSUED FOR CONSTRUCTION	

REVISIONS

MARK	DESCRIPTION	DATE
	70% REVIEW SET	07/29/26
	90% REVIEW SET	08/20/26
	ISSUE FOR PERMIT & BID	09/11/26
	ADDENDUM A	09/18/26
2	ADDENDUM B	09/24/26
3	ADDENDUM C	10/07/26

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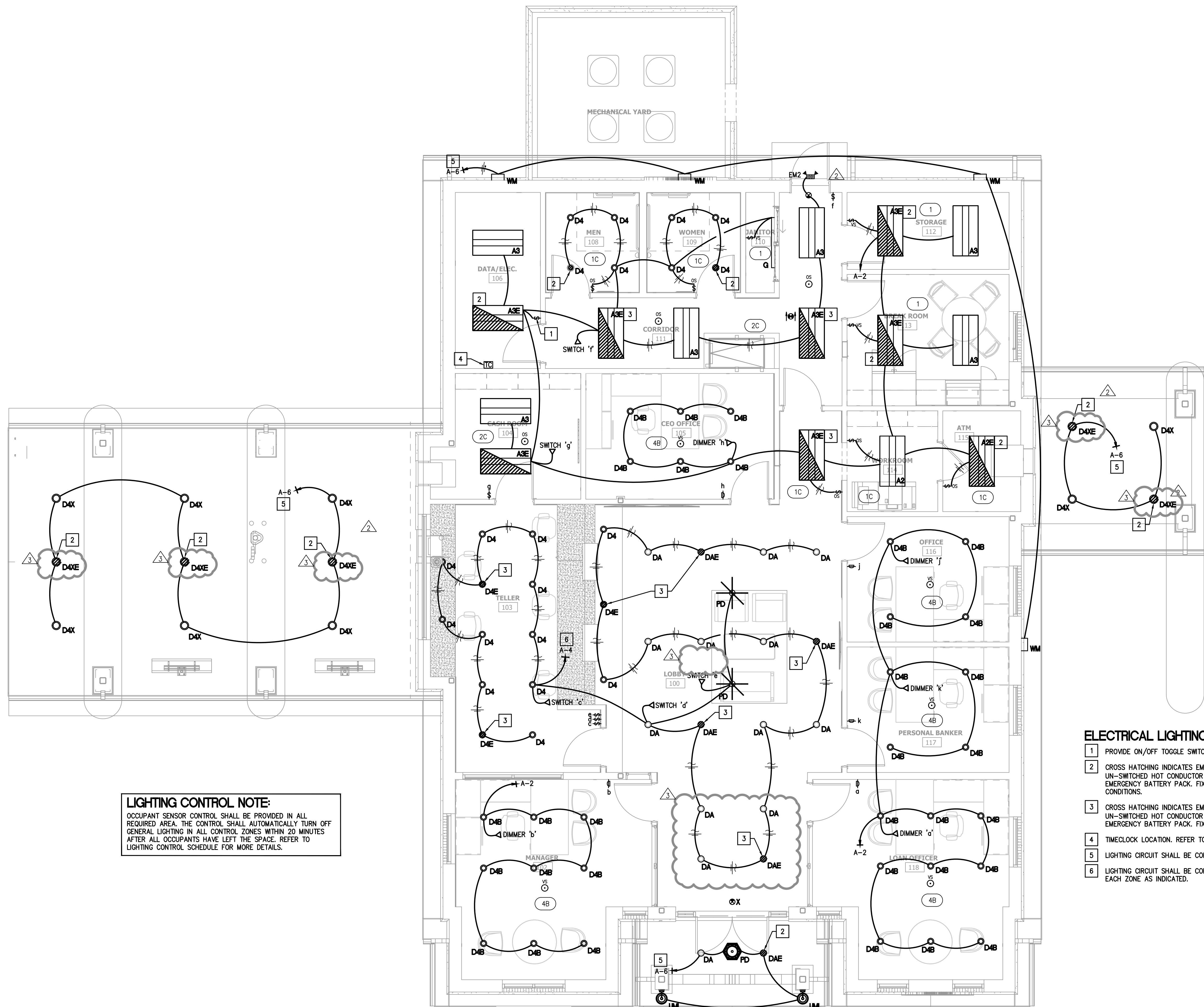
10/07/2026

DRAWING TITLE

ELECTRICAL LIGHTING PLAN

SHEET NO.

E-1.10



LIGHTING CONTROL NOTE:

OCCUPANT SENSOR CONTROL SHALL BE PROVIDED IN ALL REQUIRED AREA. THE CONTROL SHALL AUTOMATICALLY TURN OFF GENERAL LIGHTING IN ALL CONTROL ZONES WITHIN 20 MINUTES AFTER ALL OCCUPANTS HAVE LEFT THE SPACE. REFER TO LIGHTING CONTROL SCHEDULE FOR MORE DETAILS.

ELECTRICAL LIGHTING KEYED NOTES:

- 1 PROVIDE ON/OFF TOGGLE SWITCH AT THIS LOCATION.
- 2 CROSS HATCHING INDICATES EMERGENCY LIGHTING. FIXTURE TO BE CONNECTED TO UN-SWITCHED HOT CONDUCTOR WITH 2#10, 1/2" C . PROVIDE FIXTURE WITH 90 MINUTE EMERGENCY BATTERY PACK. FIXTURE TO BE SWITCHED AS SHOWN UNDER NORMAL CONDITIONS.
- 3 CROSS HATCHING INDICATES EMERGENCY LIGHTING. FIXTURE TO BE CONNECTED TO UN-SWITCHED HOT CONDUCTOR WITH 2#10, 1/2" C . PROVIDE FIXTURE WITH 90 MINUTE EMERGENCY BATTERY PACK. FIXTURE TO RUN CONTINUOUSLY AND UN-SWITCHED.
- 4 TIMECLOCK LOCATION. REFER TO LIGHTING CONTROL NOTES FOR ADDITIONAL INFORMATION.
- 5 LIGHTING CIRCUIT SHALL BE CONTROLLED BY PHOTOCELL RECEPTORS.
- 6 LIGHTING CIRCUIT SHALL BE CONTROLLED BY TIME CLOCK. PROVIDE OVERRIDE SWITCH FOR EACH ZONE AS INDICATED.

01 ELECTRICAL LIGHTING PLAN

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



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ARCHITECTURE | DESIGN | CONSTRUCTION

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www.sligroup.com

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ISSUED FOR CONSTRUCTION	

MARK	DESCRIPTION	DATE
	70% REVIEW SET	07/29/26
	90% REVIEW SET	08/20/26
	ISSUE FOR PERMIT & BID	09/11/26
	ADDENDUM A	09/18/26

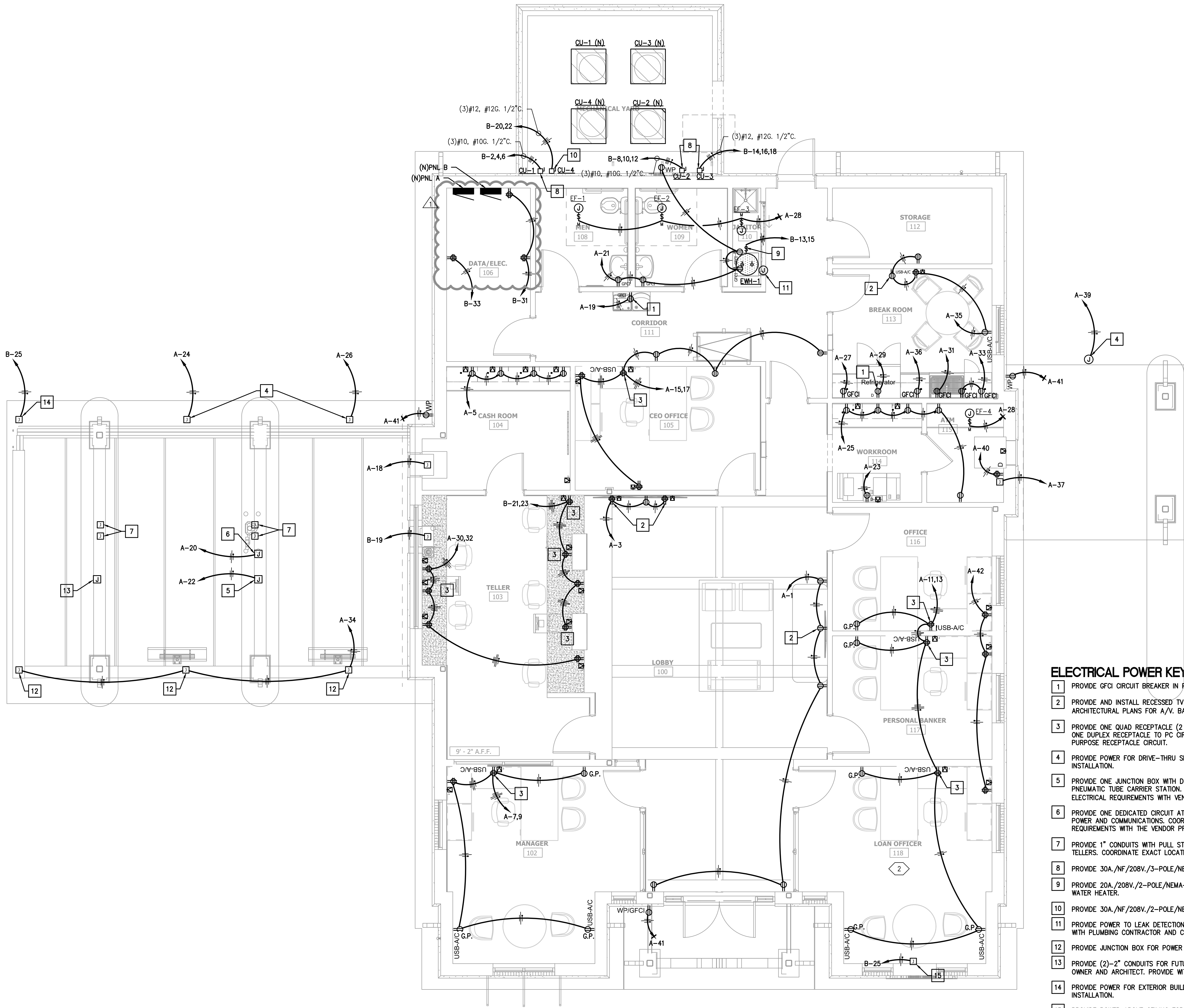
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09/18/2026

DRAWING TITLE
ELECTRICAL POWER PLAN
SHEET NO.

E-2.10



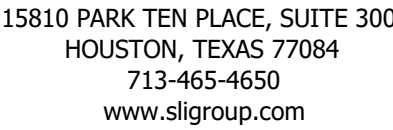
ELECTRICAL POWER KEYED NOTES:

- 1 PROVIDE GFCI CIRCUIT BREAKER IN PANEL BOARD.
- 2 PROVIDE AND INSTALL RECESSED TV OUTLET AT +60" A.F.F. THIS LOCATION. REFER TO ARCHITECTURAL PLANS FOR A/V, BACK BOX AND ADDITIONAL ROUGH-IN INFORMATION.
- 3 PROVIDE ONE QUAD RECEPTACLE (2 DUPLEX RECEPTACLES UNDER ONE COVER). CONNECT ONE DUPLEX RECEPTACLE TO PC CIRCUIT AND ONE DUPLEX RECEPTACLE TO GENERAL PURPOSE RECEPTACLE CIRCUIT.
- 4 PROVIDE POWER FOR DRIVE-THRU SIGN. VERIFY LOCATION WITH VENDOR PRIOR TO INSTALLATION.
- 5 PROVIDE ONE JUNCTION BOX WITH DEDICATED CIRCUIT ABOVE DRIVE-THROUGH CANOPY FOR PNEUMATIC TUBE CARRIER STATION. COORDINATE FINAL LOCATION, CONDUIT ROUTING, AND ELECTRICAL REQUIREMENTS WITH VENDOR'S APPROVED SHOP DRAWINGS.
- 6 PROVIDE ONE DEDICATED CIRCUIT AT DRIVE-THROUGH LANE TRANSACTION PEDESTAL FOR POWER AND COMMUNICATIONS. COORDINATE CONDUIT SIZE AND FINAL ROUGH-IN REQUIREMENTS WITH THE VENDOR PRIOR TO INSTALLATION.
- 7 PROVIDE 1" CONDUITS WITH PULL STRING FOR AUDIO/VIDEO AND CONTROLS BACK TO TELLERS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT VENDOR
- 8 PROVIDE 30A./NF/208V./3-POLE/NEMA-3R DISCONNECT IN ACCESSIBLE LOCATION.
- 9 PROVIDE 20A./NF/208V./2-POLE/NEMA-1 HD TOGGLE SWITCH IN ACCESSIBLE LOCATION FOR WATER HEATER.
- 10 PROVIDE 30A./NF/208V./2-POLE/NEMA-3R DISCONNECT IN ACCESSIBLE LOCATION.
- 11 PROVIDE POWER TO LEAK DETECTION SYSTEM LOCATED NEAR WATER HEATER. COORDINATE WITH PLUMBING CONTRACTOR AND CIRCUIT TO NEAREST GENERAL PURPOSE CIRCUIT.
- 12 PROVIDE JUNCTION BOX FOR POWER TO TV. VERIFY LOCATION PRIOR TO INSTALLATION.
- 13 PROVIDE (2)-2" CONDUITS FOR FUTURE ATM POWER AND DATA. VERIFY LOCATION WITH OWNER AND ARCHITECT. PROVIDE WITH PULL-STRING, CAP AND TAG.
- 14 PROVIDE POWER FOR EXTERIOR BUILDING SIGN. VERIFY LOCATION WITH VENDOR PRIOR TO INSTALLATION.
- 15 PROVIDE POWER ABOVE CEILING FOR EXTERIOR SIGN. VERIFY LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

01 ELECTRICAL POWER PLAN
SCALE: 1/4"=1'-0"



E/B/E Mechanical
Electrical
Plumbing
12603 Southwest Fwy, Ste 170, Stafford, Tx 77477
Tel: (713) 840-0177 / Firm Reg. No: 5638



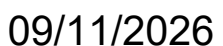
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E/BE Project Number : 26129.00

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	70% REVIEW SET	07/29/26
	90% REVIEW SET	08/20/26
	ISSUE FOR PERMIT & BID	09/11/26

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SHEET NO.

E3.10



1. PROVIDE LIGHTING AND A CONVENIENCE RECEPTACLE IN THE ATTIC SPACE AS INDICATED. VERIFY FINAL LOCATIONS WITH THE ARCHITECT.
2. PROVIDE INTERMATIC MODEL #E1235W 2-HOUR ELECTRONIC COUNTDOWN TIMER SWITCH. VERIFY LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
3. PROVIDE 60A./NF/208V./2-POLE/NEMA-1 DISCONNECT IN ACCESSIBLE LOCATION.
4. PROVIDE 100A./NF/208V./2-POLE/NEMA-1 DISCONNECT IN ACCESSIBLE LOCATION.

01 ELECTRICAL PLAN - ATTIC

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



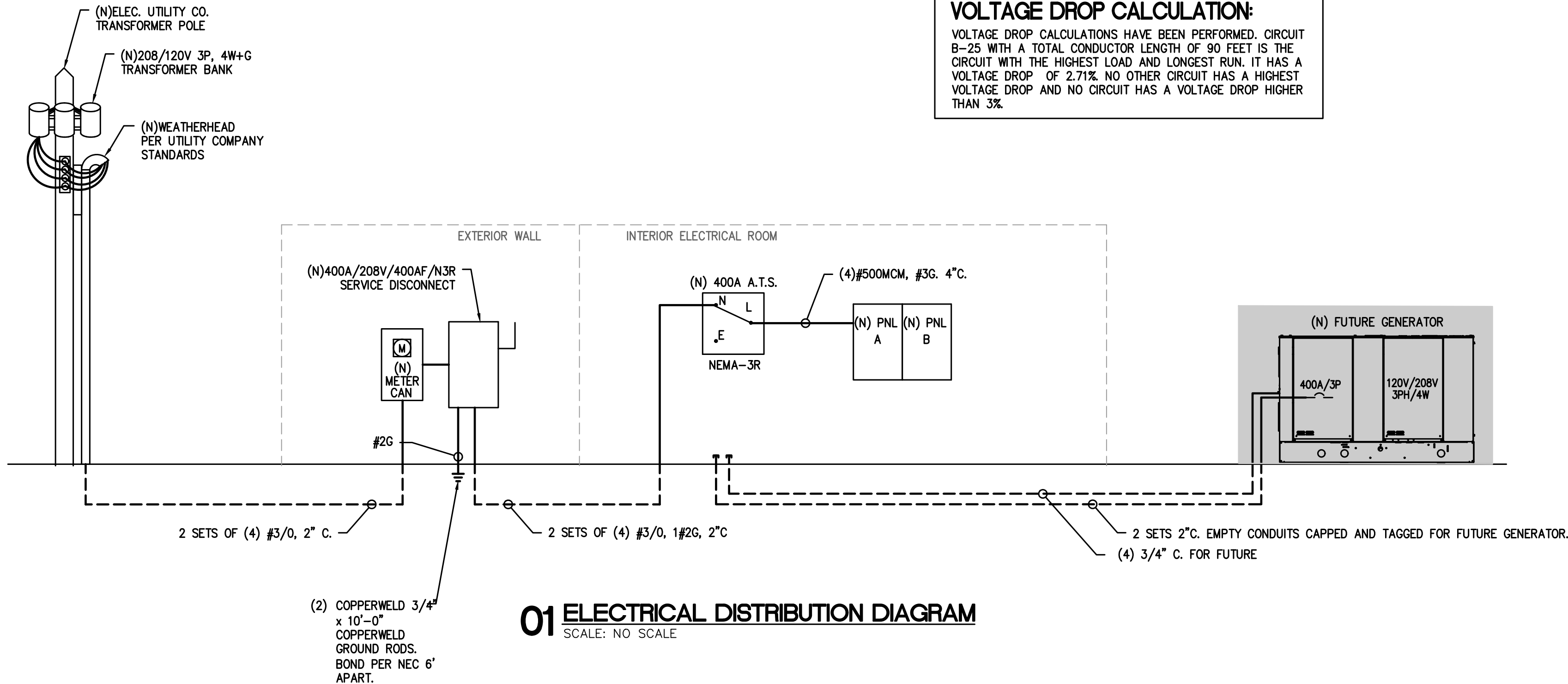
EBE Mechanical
CONSULTING ENGINEERS Electrical Plumbing
12603 Southwest Frwy, Ste 170, Stafford, Tx 77477
Tel: (713) 840-0177 / Firm Reg. No: 5638

PROJECT NAME: NATIONAL BANK & TRUST -- BASTROP										
PROJECT NUMBER: 26129.00										
PANEL: A NEW PANEL										
VOLTAGE: 120/208V, 3PH, 4W BUS: 400 AMP MAINS: 400A MCB ACCESSORIES: FEED-THROUGH LUGS										
CODES: 0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED										
CODE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	CODE
1	900	REC. LOBBY	20/1	1	A	2	20/1	INTERIOR LIGHTING	997	0
2	600	TV LOBBY	20/1	3	B	4	20/1	INTERIOR LIGHTING	491	0
1	720	REC.	20/1	5	C	6	20/1	EXTERIOR LIGHTING	721	0
1	720	PC	20/2	7	A	8	20/2	PARKING LOT LIGHTING	1080	0
2	900	PC	20/2	9	B	10	20/1	PARKING LOT LIGHTING	1080	0
1	1440	REC.	20/2	11	C	12	20/1	MONUMENT SIGN	1200	0
2	600	PC	20/2	13	A	14	20/1	LIGHTING	500	0
1	1080	REC.	20/2	15	B	16	20/1	MONUMENT SIGN	1200	0
2	600	EDF	20/1	17	C	18	20/1	ATM	500	2
1	900	GFI REC.	20/1	19	A	20	20/1	TRANSACTION PEDESTAL	1000	2
2	1200	COPIER	20/1	21	B	22	20/1	TUBE STATION	1000	2
1	900	REC.	20/1	23	C	24	20/1	SIGN	1200	0
1	180	REC. BR RM	20/1	25	A	26	20/1	SIGN	1200	0
6	800	REF.	20/1	27	B	28	20/1	EF	84	3
1	800	GARAGE DISPOSAL	20/1	29	C	30	20/2	PC	1200	2
1	540	GFCO REC.	20/1	31	A	32	20/1	GP REC.	720	1
2	900	REC.	20/1	33	B	34	20/1	TV	600	2
1	500	ATM MACHINE	20/1	35	C	36	20/1	ICE MAKER	500	6
2	1200	SIGN	20/1	37	A	38	20/1	FUTURE ATM	500	2
0	540	WP/GFCI REC.	20/1	39	B	40	20/1	DED.	500	2
1			20/1	41	C	42	20/1	REC.	1080	1
SUB-FEED PANELS:										
PANEL NAME S.F. KVA LOAD FACTORS DES. KVA DES. AMP										
PANEL B 41.4 SUB FEED @ 100% 41.4 115										
GRAND TOTAL 77.3 215										

PROJECT NAME: NATIONAL BANK & TRUST -- BASTROP														
PROJECT NUMBER: 26129.00														
PANEL: B NEW PANEL														
VOLTAGE: 120/208V, 3PH, 4W BUS: 400 AMP MAINS: M.L.O. ACCESSORIES: FEED-THROUGH LUGS														
CODES: 0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED														
CODE	LOAD	CIRCUIT DESCRIPTION				BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	CODE	
3	5824	AHU-1				70/2	1	A	2	25/3	CU-1	2402	7	
3	5824	AHU-2				70/2	3	B	4	25/3	CU-2	2402	7	
3	5824	AHU-3				70/2	5	C	6	25/3	CU-3	2402	7	
3	3911	-				50/2	9	B	10	25/3	CU-4	2402	7	
4	1500	EWH-1				20/1	11	C	12	20/3	CU-3	2402	7	
4	1500	-				15	B	16	20/1	17	C	18	20/3	CU-3
3	360	REC. ATTIC				20/2	17	C	18	20/1	19	A	20	15/2
2	500	DED.				20/2	19	A	20	15/2	21	B	22	20/1
2	1200	PC				20/2	21	B	22	20/1	23	C	24	20/1
1	720	GP REC.				20/1	25	A	26	20/1	27	B	28	20/1
0	1200	EXTERIOR SIGN				20/1	29	C	30	20/1	31	A	32	20/1
0	114	GROUND LIGHTING				20/1	27	B	28	20/1	29	C	30	20/1
0	224	GROUND LIGHTING				20/1	31	A	32	20/1	33	B	34	20/1
1	720	REC. DATA RM				20/1	35	C	36	20/1	37	A	38	20/1
1	360	REC. DATA RM				20/1	33	B	34	20/1	35	C	36	20/1
		SPACE				37	A	38	20/1	39	B	40	20/1	
		SPACE				39	B	40	20/1	41	C	42	20/1	
		SPACE				41	C	42	20/1					
SUB-FEED PANELS:														
PANEL NAME S.F. KVA LOAD FACTORS DES. KVA DES. AMP														
PANEL B 41.4 SUB FEED @ 100% 41.4 115														
GRAND TOTAL 77.3 215														

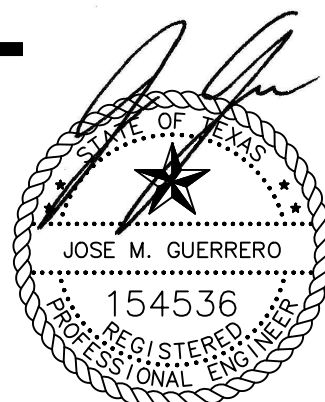
ELECTRICAL DISTRIBUTION DIAGRAM NOTES:

- CONDUCTOR SIZES SHOWN ARE FOR COPPER CONDUCTORS WITH THWN INSULATION IN EMT (4" C., OR LESS) OR RIGID CONDUIT (> 4" C.). PROVIDE GROUNDING CONDUCTORS FOR ALL CONDUIT. GROUNDING CONDUCTORS ARE NEEDED FOR ALL PVC CONDUIT.
- SHORT CIRCUIT CURRENT VALUES ARE GIVEN IN RMS SYMMETRICAL AMPERES. PREFIX 'FCA' INDICATES MAXIMUM AVAILABLE FAULT CURRENT. PREFIX 'FCLT' INDICATES APPARENT LET-THRU CURRENT FROM UPSTREAM CURRENT LIMITING DEVICE.
- ELECTRICAL SYSTEM SHALL BE FULLY RATED. SERIES RATED EQUIPMENT IS NOT ACCEPTABLE.
- PROVIDE FULL LENGTH, FULL SIZE INSULATED GROUND AND NEUTRAL BUS IN ALL PANELBOARDS.
- REFER TO ELECTRICAL UTILITY SPECIFICATIONS FOR ALL WORK AT SERVICE POINT OF ATTACHMENT.
- CONTRACTOR TO VERIFY FAULT CURRENT AVAILABLE AT UTILITY TRANSFORMER SECONDARY WITH ELECTRICAL UTILITY FOR THE FINAL SELECTION OF EQUIPMENT AIC RATINGS.
- SPARES AND SPACES ARE INDICATED ON PANELBOARD SCHEDULES.
- FLEXIBLE METAL CONDUIT SHALL NOT BE USED IN WET LOCATIONS OR WET AREAS.
- ALL FEEDER AND BRANCH CIRCUIT WIRING METHODS SHALL INCLUDE AN EQUIPMENT-GROUNDING CONDUCTOR PER NEC.
- ALL CONDUIT BELOW GRADE OR IN CONCRETE SLABS SHALL BE PVC. MAXIMUM CONDUIT SIZE FOR CONDUIT IN CONCRETE SLABS IS 3/4".
- A PERMANENTLY AFFIXED LABEL SHALL BE APPLIED WITH THE AVAILABLE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION. THE LABEL SHALL BE 2 X 3 IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. THIS LABEL SHALL ALSO INCLUDE THE DATE OF THE CALCULATION. COH ELECTRICAL CODE 504.1.1.



VOLTAGE DROP CALCULATION: VOLTAGE DROP CALCULATIONS HAVE BEEN PERFORMED. CIRCUIT B-25 WITH A TOTAL CONDUCTOR LENGTH OF 90 FEET IS THE CIRCUIT WITH THE HIGHEST LOAD AND LONGEST RUN. IT HAS A VOLTAGE DROP OF 2.71%. NO OTHER CIRCUIT HAS A HIGHEST VOLTAGE DROP AND NO CIRCUIT HAS A VOLTAGE DROP HIGHER THAN 3%.

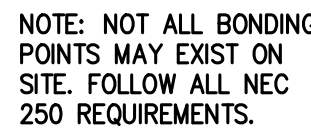
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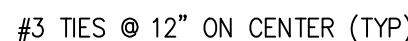
SCALE: NONE

01



SCALE: NONE

03



SCALE: NONE

02



E/BE Project Number : 26129.00

REVISIONS

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ELECTRICAL DETAILS

SHEET NO

E5.10

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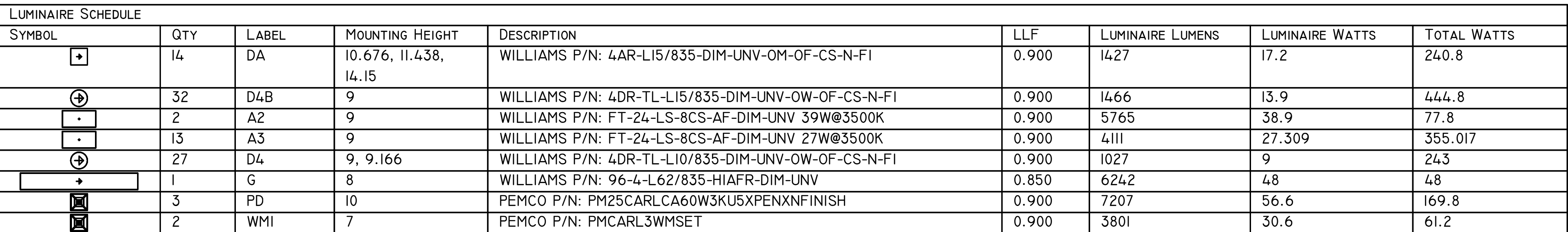
E/BE Project Number : 26129.00

REVISIONS

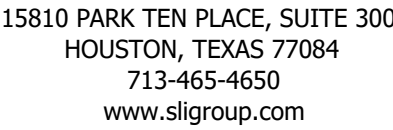
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SHEET NO

E7.10



EBE Mechanical
CONSULTING ENGINEERS Electrical
Plumbing
12603 Southwest Frwy, Ste 170, Stafford, Tx 77477
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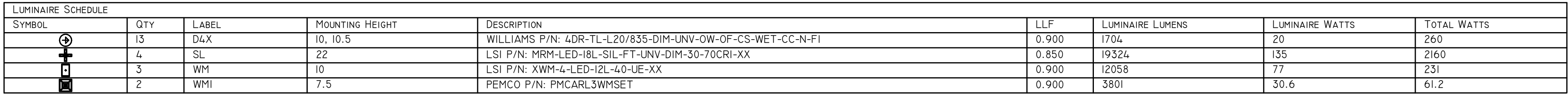
E/BE Project Number : 26129.00

MARK	DESCRIPTION	DATE
	70% REVIEW SET	07/29/26
	90% REVIEW SET	08/20/26
	ISSUE FOR PERMIT & BID	09/11/26

Professional Engineer Seal for Jose M. Guerrero, State of Texas, License No. 154536. The seal is circular with a rope-like border. Inside, it features the text "STATE OF TEXAS" at the top, a five-pointed star in the center, and "JOSE M. GUERRERO" below the star. At the bottom, it reads "REGISTERED PROFESSIONAL ENGINEER". The license number "154536" is prominently displayed in the middle. A signature is written across the top of the seal.

EXTERIOR LIGHTING PHOTOMETRICS

E8.10



CALCULATION SUMMARY								
LABEL	CALCTYPE	GRID Z	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
ATM FACE_SIDE_2	ILLUMINANCE	2.405 TO 5.082	Fc	9.83	15	5	1.97	3.00
CALCS @ GRADE	ILLUMINANCE	3	Fc	5.88	43.1	0.1	58.80	431.00
CALCS 5' FROM ATM FACE	ILLUMINANCE	3	Fc	31.50	32	31	1.02	1.03
CALCS 60' FROM ATM FACE	ILLUMINANCE	3	Fc	7.75	36	1	7.75	36.00
SIDEWALK CALCS	ILLUMINANCE	0.5	Fc	9.08	16	5	1.82	3.20



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CONSULTING ENGINEERS Electrical Plumbing
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SYSTEM	DESIGNATION OR ITEM NUMBER	EQUIPMENT DESCRIPTION	ITEM CFH	TOTAL CFH
EQUIPMENT				
	1	NATURAL GAS GENERATOR	1889	
SUBTOTAL				1889
SAFETY	20% SAFETY FACTOR		379	
TOTAL GAS LOAD				2267
SYSTEM INFORMATION				
SIZED FROM TABLE IPC 2018				
		INLET PRESSURE (PSI)	2	
		TOTAL DEVELOPED LENGTH IN FEET	5'	
		PRESSURE DROP (PSI)	1	
		SPECIFIC GRAVITY	0.60	

1. GAS PIPING INSTALLATION SHALL FOLLOW THE 2018 INTERNATIONAL PLUMBING CODE WITH ALL LOCAL AMENDMENTS. ALL GAS PIPING 2" LARGER LOCATED ABOVE GRADE SHALL BE SCHEDULE 40 BLACK STEEL (ASTM A54) WELDED JOINTS. ALL GAS PIPING ABOVE GRADE 1 1/2" AND SMALLER SHALL BE SCHEDULE 40 BLACK STEEL PIPE (ASTM A53) WITH THREADED JOINTS AND 150 # 8 THREADED MALLEABLE IRON FITTING (ASTM A47). ALL GAS PIPING BELOW GRADE 1 1/2" AND SMALLER SHALL BE POLYETHYLENE (PE) TUBING (ASTM D2513) WITH JOINTS PER MANUFACTURERS RECOMMENDATION..
2. THREADED JOINTS SHALL BE MADE WITH A MIXTURES OF GRAPHITE AND OIL APPLIED TO MALE THREADS ONLY. PIPE SHALL BE REAMED AND SHALL HAVE BURRS REMOVED PRIOR TO THREADED.
3. WELDED JOINTS SHALL BE FUSION WELDED IN ACCORDANCE WITH THE AMERICAN STANDARDS CODE FOR PRESSURE PIPE, ANSI B31.1, SECTION 6.
4. UNIONS SHALL BE 150# SOCKET WELDED CARBON STEEL CONFORMING TO FEDERAL SPECIFICATION WW-U-53C.
5. VALVES 3" AND LARGER SHALL BE SEMI-STEEL PLUG VALVES WITH CAST IRON BODY, LUBRICATED CAST IRON PLUG, FLANGED ENDS AND WRENCH OPERATED FOR 175# WOG.
6. VALVES 2 -1/2" AND SMALLER SHALL HAVE BRONZE BODY AND PLUG, SOCKET WELDED ENDS AND SQUARE HEAD FOR 125 WOG.
7. LUBRICATED PLUG VALVES SHALL BE LUBRICATED AT THE FACTORY AND SEALANT SHALL BE SUITED FOR NATURAL GAS.
8. PROVIDE SCHEDULE 40 PIPE SLEEVE WHERE PIPE PASSES THROUGH WALLS.
9. PIPING ON THE ROOF SHALL BE SUPPORTED EVERY 10'-0" (AND 2'-0" FROM A CHANGE IN DIRECTION) WITH FABRICATED STEEL PIPE STANDS AND INTEGRAL PIPE CLAMPS FOR SECURING HORIZONTAL PIPING. PIPE STANDS SHALL BE SECURED TO THE ROOF PER THE ROOFING MANUFACTURERS INSTALLATION REQUIREMENTS.
10. PROVIDE 6" LONG DRIP LEGS AT ENDS OF HORIZONTAL RUNS, AT THE BASE OF RISERS AND AT CONNECTIONS TO EQUIPMENT.
11. PLUMBING CONTRACTOR SHALL CONNECTIONS GAS PIPE ROUTING, GAS METER LOCATIONS, GAS METER AND REGULATOR SIZES AND PRESSURE SETTINGS WITH THE OWNER AND GAS COMPANY BASED ON INDIVIDUAL TENANT FIT-OUT DEMANDS. FOR EXISTING METERS CONTRACTOR SHALL VERIFY WITH THE LOCAL GAS COMPANY THAT EXISTING METER SYSTEM CAN HANDLE THE GAS DEMAND. FOR THE PROJECT AND SHALL COORDINATE NEW METER INSTALLATION AND PAY ALL FEES ASSOCIATED.

1. ALL CONTRACT DOCUMENTS (SPECIFICATIONS AND DRAWINGS), I.E., ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL ARE COMPLEMENTARY AND MUST BE USED IN COMBINATION TO OBTAIN COMPLETE CONSTRUCTION INFORMATION.
2. ALL CONFLICTS, WHICH MAY PREVENT THE COMPLETION OF WORK AS INTENDED, SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION. THE CONTRACTOR SHALL NOT PROCEED WITH ANY RELATED WORK UNTIL ALL CONFLICTS ARE RESOLVED AND THE CLARIFYING INFORMATION IS ISSUED TO THE CONTRACTOR BY THE ARCHITECT.
3. IT IS THE INTENTION OF THESE DRAWINGS TO CALL FOR FINISHED WORK, I.E., FULLY ADJUSTED, TESTED, AND READY FOR OPERATION. WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN, "FURNISH AND INSTALL COMPLETE AND READY FOR USE."
4. THE PLUMBING DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EVERY COMPONENT AND/OR ACCESSORY REQUIRED FOR A COMPLETE INSTALLATION. THE CONTRACTOR SHALL INCLUDE SUCH ITEMS AS ARE REQUIRED TO ENSURE THAT THE ENTIRE SYSTEM IS FUNCTIONING IN COMPLIANCE WITH APPLICABLE CODES, ACCEPTED INDUSTRY STANDARDS, AND MANUFACTURER'S INSTALLATION REQUIREMENTS/RECOMMENDATIONS UPON COMPLETION OF THE WORK.
5. ALL CUTTING, DRILLING AND PATCHING OF WALLS, FLOORS, AND/OR STRUCTURAL MEMBERS FOR THE INSTALLATION OF THE PLUMBING AND FIRE PROTECTION SYSTEMS SHALL BE PROVIDED. STRUCTURAL COMPONENTS SHALL NOT BE CUT, DRILLED OR MODIFIED IN A WAY WITHOUT THE STRUCTURAL ENGINEER'S REVIEW AND PRIOR WRITTEN APPROVAL.
6. PROVIDE NFPA APPROVED FIRE STOPPING WHERE PIPES PENETRATE FIRE RATED FLOORS AND WALLS.

SYMBOL	DESCRIPTION	SIZE OF CONNECTION					REMARKS	WATER CONSERVATION
		TRAP	SS	SV	CW	HW		
BFP-1	BACKFLOW PREVENTER	-	-	-	3/8"	-	WATTS No. LF7, 1/4" BACKFLOW PREVENTER WITH BRONZE. LEAD FREE.	
TMV-1	THERMOSTATIC MIXING VALVE	-	-	-	1/2"	1/2"	LEONARD MODEL NO 170 BRONZE BODY WITH LOCK TEMPERATURE ADJUSTMENT CAP. SET TEMP. @ 110'.	
WF-1	WATER FILTER	-	-	-	3/4"	-	AQUA PURE MODEL NO AP717	
WC-1	WATER CLOSET	-	4"	2"	1"	-	AMERICAN STANDARD NO. 215AA-104 "CADET" 1.28 GPF 15" VITREOUS CHINA, FLOOR MOUNTED GRAVITY FED WATER CLOSET WITH ELONGATED BOWL. CHURCH 9500C WHITE FRONT SEAT WITH CONCEALED STAINLESS STEEL SELF-SUSTAINING AND EXTERNAL CHECK HINGE.	
L-1	LAVATORY HANDICAPPED	1 1/4"	2"	2"	1/2"	1/2"	AMERICAN STANDARD NO. 9024.000EC "DECORUM" 20" x 18-1/4" VITREOUS CHINA, WALL HUNG MOUNTED LAVATORY, AMERICAN STANDARD NO. 7426801-243 "BELMEADE" AND MCGUIRE# 8872 CAST BRASS P-TRAP WITH CLEANOUT PLUG, MCGUIRE # 155A CAST BRASS P.O. FLO. WITH OPEN GRID STRAINER AND 1/2 GAUGE TAILPIPE, MCGUIRE # 216SLK SUPPLIES WITH RISER AND WALL ESCUTCHEON, ZURN FLR. MTD. CARRIER/ RECTANGULAR UPRIGHTS. ANGLE SUPPLY AND P-TRAP SHALL BE INSULATED WITH TRAP WRAP BY BROCAR PRODUCTS, INC. OR APPROVED EQUAL.	
MS-1	SERVICE SINK	3"	3"	2"	1/2"	1/2"	FIAT PRODUCTS NO. MSB2424 OR APPROVED EQUAL WHITE (24"x24") SERVICE SINK WITH 10" HIGH WALLS, 3" STAINLESS STEEL COMBINATION DOME STRAINER AND LINT BASKET OUTLET, ACID RESISTANT, MOLDED STONE (COLOR AS SPECIFIED BY ARCHITECT). REMOVABLE VINYL-COATED RM GUARD NO. V-70-24, SINK FITTING CHICAGO 897-RCF OR 1&S No. B-0665-BSTR ROUGH CHROME PLATED BRASS FINISH, RIDGE SPOUT, WALL BRACE, INTEGRAL STOPS, PAIL HOOK, HOSE END, VACUUM BREAKER AND GANDAL PROOF SCREWS. PROVIDE 30" HOSE (MINIMUM) WITH STAINLESS STEEL BRACKET (EQUAL TO STERN - WILLIAMS No. T-35) AND STAINLESS STEEL MOP HANGER (EQUAL TO STERN - WILLIAMS No. T-40). PROVIDE 12" HIGH, 20 GAUGE TYPE 316 STAINLESS STEEL SPLASH GUARDS ON ALL WALLS ADJACENT TO THE SERVICE SINK. PROVIDE AND INSTALL INTERNAL WALL SUPPORTS IN ACCORDANCE WITH THE ARCHITECTS REQUIREMENTS FOR THE WALL BRACE ATTACHMENTS.	
EDF-1	ELECTRIC DRINKING FOUNTAIN	1-1/4"	2"	2"	1/2"	---	HALSEY TAYLOR HTHB-HACBLLSS-WF ADA BARRIER-FREE TWO LEVEL, FILTERED, REFRIGERATED, WALL MOUNT FOUNTAIN. MCGUIRE NO. 6068 CHROME-PLATED ADJUSTABLE P-TRAP WITH CLEANOUT PLUG, 1-1/4" TRAP NIPPLE AND CHROME-PLATED STOP VALVE IN COLD WATER LINE. LOCATED INSIDE CABINET. REFER TO ARCHITECT FOR MOUNTING HEIGHTS.	
FD-1	FLOOR DRAIN	3"	3"	2"	1/2"	-	J.R. SMITH FIGURE NO. 2005Y-A06NB-P OR APPROVED EQUAL PAINTED CAST IRON FLOOR DRAIN AND SEEPAGE FLANGE, SIZE AS NOTED ON DRAWINGS, CLAMPING UNIT, QUAD CLOSE TRAP SEAL, AND 6" ROUNDE ADJUSTABLE POLISHED NICKEL BRONZE STRAINER TYPE TOP AND DEEP SEAL TRAP.	
WH-1	WALL HYDRANT	-	-	-	3/4"	-	MIFAB MHY-26-6, NON-FREEZE, ENCLOSED FLUSH, ANTI-CONTAMINATION WALL HYDRANT WITH VACUUM BREAKER, HARDENED STAINLESS STEEL INTERIOR PARTS, 3/4" HOSE CONNECTION, STAINLESS STEEL BOX FACE AND HINGED COVER WITH OPERATING KEY LOCK, OPERATING KEY AND NON-FREEZE VALVE.	
RVB-1	REFRIGERATOR VALVE BOX	-	-	-	1/2"	-	GUY GRAY #BIM-875 10-3/4" x 9" 16GA. STEEL WITH EPOXY FINISH , 3/8" O.D. SWEAT CONNECTION PROVIDE FILTER WHEN MAKING FINAL CONNECTION, AQUA-PURE #AP717	
SK-1	SINK HANDICAPPED	1-1/2"	2"	2"	1/2"	1/2"	ELKAY No. ELUH2816155 SINGLE COMPARTMENT STAINLESS STEEL SINK, 18 GAUGE SELF-RIMMING (31" x 16" x 4" DEEP), KOHLER No. K-647 FAUCET, PROVIDE TMV-1, ANGLE SUPPLIES WITH STOP, 1/2" CHROME-PLATED BRASS NIPPLES TO WALL, MCGUIRE No. 151-A CRUMB CUP STRAINER, No. 8912 (1-1/2") ADJUSTABLE SEMI-CAST CHROME-PLATED BRASS P-TRAP WITH TUBING WASTE TO WALL. AND CHROME-PLATED CAST WALL FLANGE WITH SET SCREW SUPPLIES, AND P-TRAP SHALL BE INSULATED WITH TRAP WRAP BY PLUMBEREX SPECIALTY PRODUCTS, INC OR APPROVED EQUAL.	

MARK	SERVICE	STORAGE IN GALLONS	RECOVERY AT 100° RISE	ELECTRICAL	ELEMENT WATTS	MAKE AND MODEL
<u>FWH-1</u>	ELECTRIC WATER HEATER	20	12 GPH	208/1ø/60Hz	3KW	A.O. SMITH MODEL NO. DEL-20

1. MEP SPECIFICATIONS SHALL APPLY TO ALL WORK ON THIS DRAWING UNLESS OTHERWISE NOTED.
2. ALL CONNECTIONS BETWEEN PIPES OF DISSIMILAR MATERIALS SHALL BE MADE WITH DIELECTRIC UNIONS. PROVIDE ACCESS PANELS WHERE REQUIRED.
3. CONTRACTOR SHALL NOTIFY OWNER OF ANY REQUIRED SHUT DOWNS AND COORDINATE THESE WITH OWNER. DOWNTIME SHALL BE HELD TO A MINIMUM.
4. CONTRACTOR SHALL COORDINATE ALL WORK CLOSELY WITH EXISTING AND NEW MECHANICAL AND ELECTRICAL ITEMS.
5. ALL PROPOSED CORE DRILL LOCATIONS THROUGH (E) FLOOR SLAB ARE TO BE COORDINATED WITH AND APPROVED BY THE OWNER PRIOR TO CORING.
6. CONTRACTOR SHALL REFER TO BUILDING MANAGEMENT'S "RULES AND REGULATIONS" TO COMPLY WITH BUILDING STANDARDS.
7. COORDINATE PLUMBING FIXTURE SIZES WITH MILLWORK PRIOR TO INSTALLATION. COORDINATE ROUGH-IN ELEVATIONS WITH MOUNTING HEIGHTS.
8. DEMOLISH ANY ABANDONED PVC PIPING IN CEILING SPACE. REPLACE ANY EXISTING PVC PIPING STILL IN SERVICE WITH APPROVED MATERIALS. PROVIDE A SEPARATE LINE ITEM PRICE.
9. NEW DOMESTIC WATER SHUT-OFF VALVES TO BE NIBCO MODEL NO. T-585-66-LF. FURNISH WITH EXTENDED STEM FOR VALVES IN INSULATED LINES.
10. REFER TO ARCHITECTURAL DRAWING FOR EXACT LOCATION OF ALL WALLS AND CHASES.
11. REFER TO RISER DIAGRAMS FOR PIPE SIZES NOT SHOWN ON THE DRAWINGS.
12. PER COMMERCIAL ENGINE CODE, ALL HOT WATER PIPING SHALL BE INSULATED: 12, 1-1/4" AND BELOW 1 1/2" REQUIRED, 1-1/2" AND ABOVE 2" REQUIRED PER TABLE 6.8.3. REFER TO SPECS. FOR ADDITIONAL INFORMATION.

1. PROVIDE A COMPLETE FULLY AUTOMATIC WET PIPE SYSTEM HYDRAULICALLY CALCULATED IN ACCORDANCE WITH THE STATE FIRE MARSHAL AND THE LATEST EDITION N.F.P.A. 13, 14, AND REQUIREMENTS OF ALL LOCAL AUTHORITIES HAVING JURISDICTION.
2. ALL FIRE PROTECTION EQUIPMENT, I.E. PIPING, VALVES, FITTINGS AND ACCESSORIES, ETC. SHALL BE RATED FOR A MAXIMUM WORKING PRESSURE OF 250 PSI.
3. PROVIDE PRESSURE REDUCING VALVES AT ALL SPRINKLER SYSTEM AND FIRE DEPARTMENT-HIGH CONNECTIONS WHERE PRESSURE EXCEEDS 175 PSIG IN ACCORDANCE WITH CODE REQUIREMENTS. CONTRACTOR SHALL FIELD PRESSURE TEST SYSTEM AND DETERMINE WHERE PRESSURE REDUCING VALVES ARE REQUIRED.
4. USE PIPING AND FITTINGS FOR FIRE SUPPRESSION SYSTEMS WHICH ARE APPROVED FOR USE BY UNDERWRITERS' LABORATORIES AND FACTORY MUTUAL SYSTEM AND/OF THE FOLLOWING TYPES; AND IN ACCORDANCE WITH NFPA, LOCAL CODES ALL AUTHORITIES HAVING JURISDICTION.
 - a) BLACK STEEL PIPING: MANUFACTURED TO SATISFY ASTM STANDARDS A53 OR A135.
5. ALL SPRINKLER PIPING SHALL BE INSTALLED SO THAT ALL PORTIONS OF THE SYSTEM CAN BE DRAINED BACK THROUGH THE DRAIN VALVE WHERE REQUIRED. PROVIDE DRAIN VALVES FOR ALL TRAPPED PORTIONS OF THE SYSTEM.
6. ALL FIRE EQUIPMENT THREADS SHALL CONFORM TO LOCAL FIRE DEPARTMENT STANDARDS.
7. ALL CONTROL VALVES – CHECK VALVES AND FLOW ALARM SWITCHES LOCATED ABOVE FINISHED CEILING SHALL BE ACCESSIBLE AND HAVE A NOTIFICATION MARKING TAG AS REQUIRED FOR INSPECTION VERIFICATION.
8. CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL PLUMBING/SPRINKLER PIPING TO MAINTAIN PROPER CLEARANCES OVER AREA.

SYMBOL	DESCRIPTION
	SANITARY SEWER PIPING
	VENT PIPING
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	EXISTING SANITARY SEWER PIPING
	EXISTING VENT PIPING
	EXISTING DOMESTIC COLD WATER
	EXISTING HOT WATER
	EXISTING HOT WATER RETURN
	NEW CONNECTION TO EXISTING
	ABOVE FINISHED FLOOR
	BELOW FLOOR
	GATE VALVE
	CHECK VALVE
	PRESSURE RELIEF VALVE
	UNION
	PRESSURE GAUGE
	THERMOMETER
	CONDENSATE DRAIN LINE
(E)	EXISTING
(D)	TO BE REMOVED
	ELBOW UP
	ELBOW RISE OR DN. THROUGH SLAB
	FLOOR CLEANOUT
	CLEANOUT
	FLOOR DRAIN

PIPING FUNCTION	PIPING MATERIAL
SANITARY WASTE BELOW GRADE	SCHEDULE 40 PVC
SANITARY WASTE ABOVE GROUND	NO-HUB CAST IRON
SANITARY VENT	NO-HUB CAST IRON
DOMESTIC HOT & COLD WATER	COPPER, TYPE "L" HARD DRAWN
FIRE SPRINKLER ABOVE GROUND	BLACK STEEL SCHEDULE 40

NOTE:
NO HUB COUPLING SHALL HAVE A SHIELD CONSTRUCTED OF 304 CORRUGATED STAINLESS STEEL WITH A MINIMUM THICKNESS OF .016. COUPLING SIZE 1-1/2" - 4" SHALL HAVE FOUR (4) BANDS: APPROVED MANUFACTURES HUSKY SD 4000 AND MISSION. NO TWO BANDS ARE ACCEPT

	W	C	WATER CLOSET (FLUSH VALVE)					
	U	URINAL	2"	-	2"	1"	-	-
	L	LAVATORY	2"	1-1/4"	1-1/4"	1/2"	1/2"	-
	BT	BATH TUB	2"	1-1/2"	1-1/2"	1/2"	1/2"	-
	MS	MOP SINK	-	2"	2"	1/2"	1/2"	-
SK-MS	SINK	(BY ARCHITECT)	-	1-1/2"	2"	1/2"	1/2"	-
	SH	SHOWER	-	2"	2"	1/2"	1/2"	-
	EDF	ELECTRIC DRINKING FOUNTAIN	-	1-1/4"	1-1/4"	1/2"	-	-
	DF	DRINKING FOUNTAIN	-	1-1/4"	1-1/4"	1/2"	-	1/

SA-D	SHOCK ARRESTOR	61-113	SC-1250
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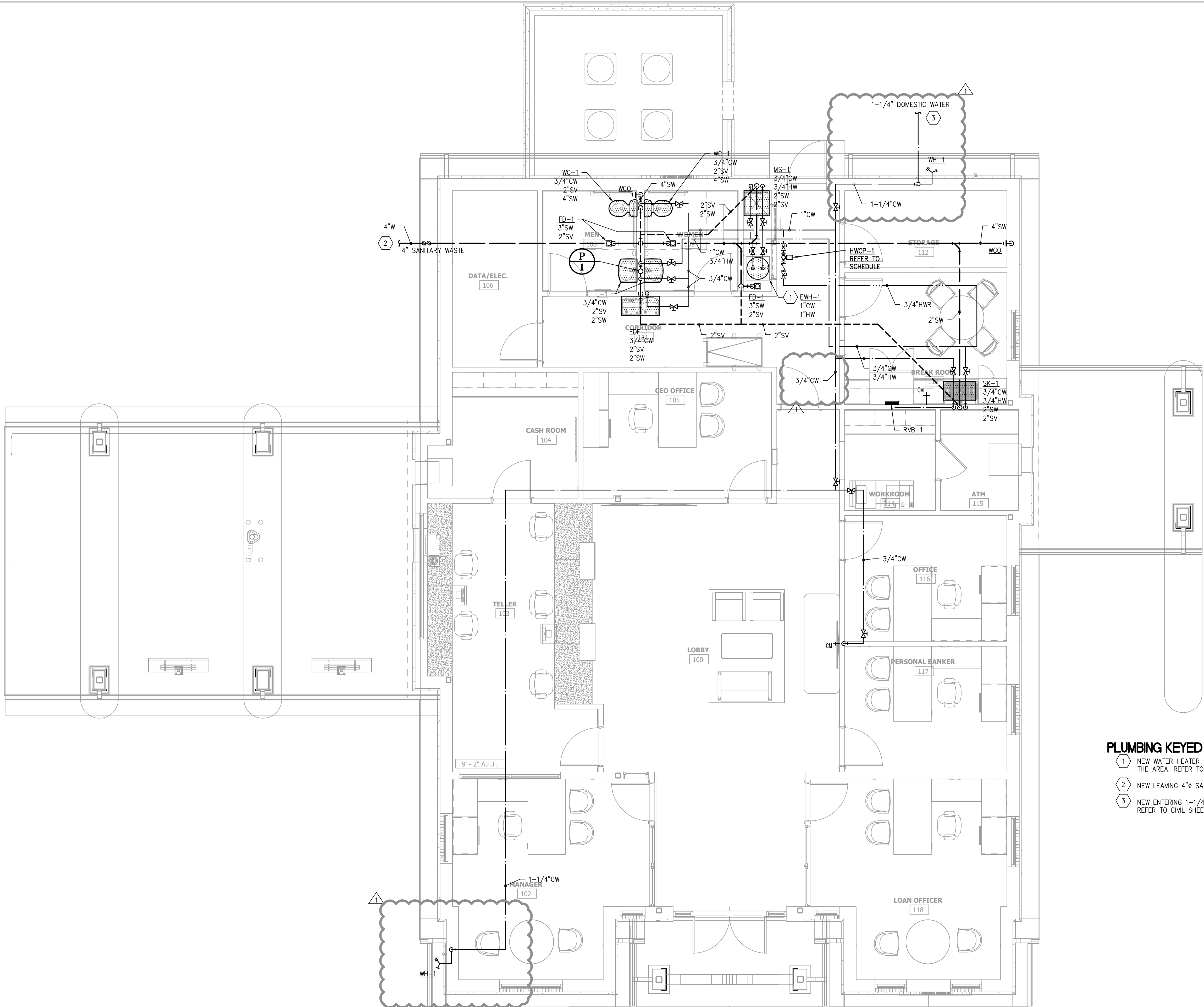


10/07/2026

DRAWING TITLE

SHEET NO.

P-0.10



- PLUMBING KEYED NOTES:**
- 1 NEW WATER HEATER INSTALLED WITH WALL BRACING. COORDINATE WITH MEP IN THE AREA. REFER TO DETAILS.
 - 2 NEW LEAVING 4" SANITARY WASTE. REFER TO CIVIL SHEET FOR CONTINUATION.
 - 3 NEW ENTERING 1-1/4" DOMESTIC WATER SERVICE ENTRY. REFER TO DETAILS. REFER TO CIVIL SHEET FOR CONTINUATION.

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



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REVISIONS		
MARK	DESCRIPTION	DATE
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	ISSUE FOR PERMIT & BID	09/11/26
△	ADDENDUM A	09/18/26

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09/18/2026

DRAWING TITLE	
PLUMBING PLAN	SHEET NO.
	P-1.10

MOLDED STONE® MOP SERVICE BASIN

□ **MSB2424**

- Molding done in matched metal dies under heat and pressure resulting in a one-piece homogeneous product.
- The unit has 10" high walls with no less than 1" wide shoulders.
- The stainless steel drain body is designed for a caulk connection or QDC-3 joint to connect to a 3" drain pipe.
- Stainless steel strainer included.
- Made in U.S.A.

Nominal Dimensions:

24" x 24" x 10"
(610 x 610 x 254mm)

Shipping Weight:

37lbs. (16.8 Kg)

□ **MSB3624**

- Molding done in matched metal dies under heat and pressure resulting in a one-piece homogeneous product.
- The unit has 10" high walls with no less than 1" wide shoulders and an integrally molded shelf 10 9/16" wide where indicated.
- The stainless steel drain body is designed for a caulk connection or QDC-3 joint to a 3" drain pipe.
- Stainless steel strainer included.
- Made in U.S.A.

Nominal Dimensions:

36" x 24" x 10"
(914 x 610 x 254mm)

Shipping Weight:

45lbs. (20.4 Kg)

Compliance Certifications -

Meets or Exceeds the Following Specifications:

- IAPMO / ANSI Z124.6-2007
- ASME A112.18.2 / CSA B125.2
- CSA B45.5

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MOLDED STONE® MOP SERVICE BASIN MSB2424 & MSB3624

Shown: MSB2424

SEE REVERSE FOR ROUGH-IN DIMENSIONS

Optional Components:

- **830AA Service Faucet:**
 - Chrome plated with vacuum breaker, integral stops, adjustable wall brace, pail hook and 3/4" hose thread on spout
- **832AA Hose & Hose Bracket**
- **MSG2424 & MSG3624** Stainless Steel Wall Guard
- **E77-AA** Vinyl Bumper Guard
- **E88-AA** Stainless Steel Bumper Guard
- **STR1000** Dome Strainer
- **QDC-3XH 3"** Quick Drain Connector for attaching heavy cast iron soil pipe and Schedule 40 steel pipe to the drain body. Order separately.
- **QDC-3SN 3"** Quick Drain Connector for attaching hubless cast iron pipe and service weight cast iron soil pipe to the drain body. Order separately.
- **833AA** Silicone Sealant
- **889CC** Mop Hanger
- **889CSHSELF** Stainless Steel Shelf:
 - Stainless steel rod, 3 large open hooks, three spring loaded rubber grips to hold mop handles

CUSTOMER SERVICE

833-549-2887

www.fiatproducts.com

MSB2424/3624_Spec-C

Last Revision: 07/16/2026 • Product specifications subject to change without notice

DECORUM® 20" x 18-1/4" WALL-HUNG LAVATORY WITH EVERCLEAN® VITREOUS CHINA

DECORUM® 20" x 18" WALL-HUNG LAVATORY WITH EVERCLEAN®

- 20" x 18" vitreous china lavatory with EverClean included
- Available with rear overflow or less overflow
- Recessed self-draining deck with minimal backsplash
- For concealed arm or wall support (wall hanger included)
- ADA and TAS compliant
- Shown with drain grid (sold separately)

- ☐ **9024.000EC** No faucet holes
- ☐ **9024.001EC** Center hole only (CHO)
- ☐ **9024.021EC** CHO with left hand soap dispenser
- ☐ **9024.011EC** CHO with right hand soap dispenser
- ☐ **9024.901EC** CHO less overflow
- ☐ **9024.921EC** CHO with left hand soap dispenser less overflow
- ☐ **9024.911EC** CHO with right hand soap dispenser less overflow
- ☐ **9024.004EC** 4" centers
- ☐ **9024.024EC** 4" centers with left hand soap dispenser
- ☐ **9024.014EC** 4" centers with right hand soap dispenser
- ☐ **9024.904EC** 4" centers less overflow
- ☐ **9024.924EC** 4" centers with left hand soap dispenser less overflow
- ☐ **9024.914EC** 4" centers with right hand soap dispenser less overflow
- ☐ **9024.008EC** 8" centers
- ☐ **9024.908EC** 8" centers less overflow

Nominal Dimensions:

464mm (18-1/4") deep, 508mm (20") wide

Bowl sizes:

354mm (13-15/16") wide, 325mm (12-13/16") front to back,
127mm (5") deep

9024.004EC shown

SEE NEXT PAGE FOR ROUGHING-IN DIMENSIONS

To Be Specified:

- ☐ Color: ☐ White
- ☐ Faucet:
- ☐ Faucet Finish:
- ☐ Supplies:
- ☐ 1-1/4" Trap:

* See faucet section for additional models available

Compliance Certifications -

Meets or Exceeds the Following Specifications:

- ASME A112.19.2 for Vitreous China Fixtures

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES - CHECK LOCAL CODES. Top of front rim mounted 664mm (34") from finished floor.

13

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spec_9024 Decorum Wall-Hung Lav w/EC Rev. 4 10/20

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ELKAY[®]
SPECIFICATIONS

30-1/2" x 18-1/2" x 5-3/8" Single Bowl Undermount ADA Sink
Model(s) **ELUHAD281655**

PRODUCT SPECIFICATIONS

Lusterone[®] Classic Stainless Steel, 30-1/2" x 18-1/2" x 5-3/8" Single Bowl Undermount ADA Sink. Sink is manufactured from 18 gauge 304 Stainless Steel with a Lustrous Satin finish, Rear Center drain placement, and Bottom only pads.

Installation Type:	Undermount
Material:	304 Stainless Steel
Finish:	Lustrous Satin
Gauge:	18
Sound Deadening:	Bottom only pads
Number of Bowls:	1
Sink Dimensions:	30-1/2" x 18-1/2" x 5-3/8"
Bowl 1 Dimensions:	28" x 16" x 5-3/8"
Drain Size:	3-1/2" (89mm)
Drain Location:	Rear Center
Minimum Cabinet Size:	36"
Mounting Hardware:	Undermount brackets sold separately
Template Included:	Yes
Cutout Template #:	1000001414

Template is available for download at [elkay.com](#). CAD software will be required to open the template.

Installation Profile:

PART: _____ QTY: _____

PROJECT: _____

CONTACT: _____

DATE: _____

NOTES: _____

APPROVAL: _____

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit [elkay.com](#) for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design, quality, and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked. Latest version of the spec sheet available: [https://www.elkayfiles.com/spec-sheets/ELUHAD281655_spec.pdf](#)

Elkay REV 07/202026
ELUHAD281655

1-800-476-4106 | [CustCare@Elkay.com](#)
Patent [turn-elkay.com/patents](#)

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ELUHAD281655_spec.pdf

A Century of Tradition and Quality.
For more than 100 years, Elkay has been making innovative products and providing exceptional customer care. We take pride in offering plumbing products that make life easier, inspire change and leave the world a better place.

Product Compliance: ADA & ICC A117.1
ANSI A112.19.3/CSA B45.4

Sinks are listed by IAPMO[®] as meeting the applicable requirements of the Uniform Plumbing Code[®], International Plumbing Code[®], and National Plumbing Code of Canada.

[Clean and Care Manual \(PDF\)](#)
[Installation Instructions \(PDF\) - 1000005239](#)
[Warranty \(PDF\)](#)

KOHLER® Faucets

Simplex®
Pull-Down Kitchen Sink Faucet
K-647

Features

- Sweep® spray creates a wide, forceful blade of water for superior cleaning.
- DockNetik® magnetic docking system securely locks the sprayhead into place when not in use.
- Ceramic disc valves exceed industry longevity standards, ensuring durable performance for life.
- ProMotion® technology's light, quiet braided hose and swiveling ball joint make the pull-down sprayhead easier and more comfortable to use.
- MasterClean™ sprayface features an easy-to-clean surface that withstands mineral buildup.
- High-arch gooseneck spout and 360-degree spout rotation offer superior clearance for filling pots and cleaning.
- Temperature memory allows faucet to be turned on and off at the temperature set during prior usage.
- 1.5 gpm (5.7 lpm) maximum flow rate at 60 psi (4.1 bar).
- Three-function pull-down sprayhead with touch control allows you to switch from stream to Sweep® spray to Boost Technology.

Material

- Premium metal construction for durability and reliability.
- KOHLER finishes resist corrosion and tarnishing.

Installation

- Two-hole installation.
- Flexible supply lines simplify installation.
- Remote valve configuration allows you to install the handle in an easy-to-access location.

Recommended Products/Accessories

K-77685 Single-Cartridge Water Filtration System
 K-77686 Double-Cartridge Water Filtration System
 K-77687 single replacement filter cartridge
 K-77688 Replacement Filter Cartridges, Two-Pack
 K-23723 Faucet cleaner

ADA CSA B651

Codes/Standards

ASME A112.18.1/CSA B125.1
 NSF/ANSI 61
 NSF/ANSI 372
 DOE - Energy Policy Act 1992
 California Energy Commission (CEC)
 ADA
 ICC/ANSI A117.1
 CSA B651

KOHLER® Faucet Lifetime Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

Color tiles intended for reference only.

Color	Code	Description
	CP	Polished Chrome
	VS	Vibrant® Stainless
	BL	Matte Black

1-800-4KOHLER (1-800-456-4537)

Kohler Co. reserves the right to make revisions without notice to product specifications.

For the most current Installation Sheet, go to www.kohler.com.

4-23-2020 06:23 - US/CAMX

THE BOLD LOOK
 OF **KOHLER®**

EBE Mechanical
CONSULTING ENGINEERS Electrical Plumbing
12603 Southwest Frwy, Ste 170, Stafford, Tx 77477
Tel: (713) 840-0177 / Firm Reg. No: 5638

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GROUP, INC.

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ISSUED FOR PERMIT			09/11/26
ISSUED FOR CONSTRUCTION			
REVISIONS			
MARK	DESCRIPTION	DATE	
	70% REVIEW SET	07/29/26	
	90% REVIEW SET	08/20/26	
	ISSUE FOR PERMIT & BID	09/11/26	
<p>The information, ideas, designs, details, layouts, techniques, features, arrangements, plans, sequences, dimensions, allowances, tolerances, conceptions, specifications, intentions, technology or embodiments, as illustrated, arranged, displayed, noted, recorded, indicated, represented, disclosed, evidenced, detailed or otherwise reduced to tangible form herein, either expressly, implicitly or by implication, are the confidential and proprietary information of SLI Design, Inc., and shall not be used for any purpose other than the specific project or undertaking identified on the drawing title block or legend for which they are and have been prepared by SLI Design, Inc. Any other reproduction, disclosure or use of any portion of the confidential and proprietary information of SLI Design, Inc., shall be a breach of the obligation of confidence created by the acceptance of this drawing from SLI Design, Inc. for a specific project or Contract. Any copying, duplicating, reproducing, utilization, alteration, modification, revision or change to this drawing, is expressly prohibited unless done with the prior written consent or approval of SLI Design, Inc., and shall not be undertaken without receipt of such prior written approval. This drawing is loaned by SLI Design, Inc., for the limited purpose of complying with a specific Contract. The drawing remains the property of SLI Design, Inc., and shall be returned upon request or completion of the contract, unless specifically authorized by Contract, under which it was loaned.</p>			
<div></div> <p>DRAWING TITLE</p> <p>PLUMBING SPEC SHEETS</p> <p>SHEET NO.</p> <p>P-2.10</p>			



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WC-1



BARRIER FREE

CADET® PRO™ RIGHT HEIGHT® ELONGATED TOILET

- 215AA.104
 - Features the Cadet® Flushing System
 - Vitreous china
 - High Efficiency Toilet (HET), ultra-low consumption (4.8 Lp/1.28 gpf), utilizes 20% less water
 - Meets EPA WaterSense® criteria
 - Trade exclusive tank
 - PowerWash™ rim scrubs bowl with each flush
 - Robust metal trip lever & metal shank fill valve
 - Includes EZ-Install Tools w/color match bowl caps
 - EverClean® surface included
 - 3" flush valve
 - Fully-glazed 2-1/8" trapway
 - 16-1/2" rim height for accessible applications
 - 12" (305mm) rough-in
 - Generous 9" x 8" water surface area
 - Chrome finish trip lever is supplied
 - 1,000g MaP Score** at 1.28 gpf
 - 5 year warranty

- 215AA.105 Same as above except with trip lever on right side
- 3517A.101 Right Height® Elongated Bowl
- 4188A.104 Tank

Nominal Dimensions:

767 x 441 x 771mm (30-1/8" x 17-3/8" x 30-3/8")

Fixture only, seat and supply sold separately

Alternative Tank Configurations Available:

- 4188A.154 Tank complete with Aquaguard Liner
- 4188A.155 Tank complete with Aquaguard Liner and trip lever located on right side
- 4188A.164 Tank complete with tank cover locking device
- 4188A.174 Tank complete with Aquaguard Liner and tank cover locking device
- 4188A.105 Tank complete with trip lever located on right side
- 4188A.165 Tank complete with tank cover locking device and trip lever located on right side

Compliance Certifications -

Meets or Exceeds the Following Specifications:

- ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures
- US EPA WaterSense® Specification for HETs

** Maximum Performance (MaP) testing performed by IAPMO R&T Lab. MaP Report conducted by Veritec Consulting, Inc. and Koeller and Company.

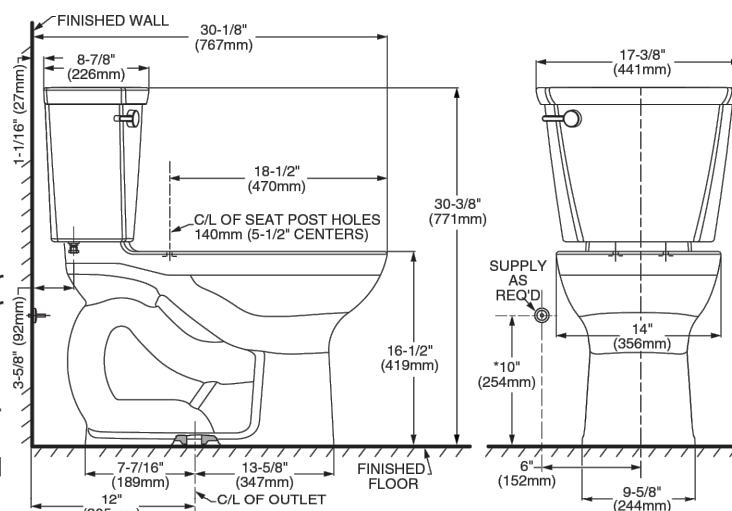
To Be Specified:

- Color: ☐ White ☐ Bone ☐ Linen ☐ Black
- Seat: #5321.110 EverClean® Elongated Seat with Slow Close Snap-Off Hinges
- Supply with stop:

© 2013 AS America Inc.

CADET® PRO™ RIGHT HEIGHT® ELONGATED TOILET

VITREOUS CHINA



NOTES:
THIS TOILET IS DESIGNED TO ROUGH-IN AT A MINIMUM DIMENSION OF 305MM (12") FROM FINISHED WALL TO CL OF OUTLET.
SUPPLY NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY.
DIMENSION SHOWN FOR LOCATION OF SUPPLY IS SUGGESTED.

IMPORTANT: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2.
These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.



MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES.



K168

Rev. 6/13

EDF-1

Halsey Taylor

Model HTHB-HAC8BLSS-WF

HydroBoost® Bottle Filling Station & Bi-Level ADA Cooler Filtered Refrigerated Stainless

TAG

PRODUCT SPECIFICATIONS

HydroBoost® Bottle Filling Station & Bi-Level ADA Cooler Filtered Refrigerated Stainless. Chilling Capacity of 8.0 GPH (gallons per hour) of 50° F drinking water, based on 80° F inlet water and 90° F ambient, per ASHRAE 18 testing. Features shall include Antimicrobial*, Filtered, Green Counter™, Laminar Flow, Mechanically Activated, Real Drain, Sanitary Sensor Activated, Visual Filter Monitor, Sanitary Sensor Activated, Visual Filter Monitor, Sanitary Sensor Activated, Visual Filter Monitor. Electronic Bottle Filler Sensor with Mechanical Front and Side Bubbler Pushbar activation. Product shall be Wall Mount (On Wall), for indoor applications, serving 2 station(s). Unit shall be certified to UL 399 and CAN/CSA C22.2 No. 120.

Special Features:	Antimicrobial, Filtered, Green Counter™, Laminar Flow, Mechanically Activated, Real Drain, Sanitary Sensor Activated, Visual Filter Monitor
Finish:	Stainless Steel (S)
Power:	115V/60Hz
Bubbler Style:	Double Bubbler™
Activation by:	Electronic Bottle Filler Sensor with Mechanical Front and Side Bubbler Pushbar
Mounting Type:	Wall Mount (On Wall)
Chilling Capacity:	8.0 GPH
Full Load Amps	6
Rated Watts:	370
Dimensions (L x W x H):	36-1/4" x 18-5/8" x 46-1/4"
Approx. Shipping Weight:	111 lbs.
Installation Location:	Indoor
No. of Stations Served:	2

*Based on 80° F inlet water & 80° F ambient air temp for 50° F chilled drinking water.

- Mechanically-Activated unit continues to supply water in event of service disruptions.
- Touchless, sensor-activated units are designed for easy use.
- Visual Filter Monitor: LED Filter Status Indicator for when filter change is necessary.
- Standard Filter Included: Filter is tested and certified to NSF/ANSI 42, 53, 372 and 401 for the reduction of lead, microplastics, Class 1 particulate, cysts, and chlorine taste and odor. 3,000 gallon capacity or 1 year after installation.
- Green Counter: Informs user of number of 20 oz. plastic water bottles saved from waste.

PART: _____ QTY: _____
PROJECT: _____
CONTACT: _____
DATE: _____
NOTES: _____
APPROVAL: _____

- Laminar flow provides clean fill with minimal splash.

In keeping with our policy of continuing product improvement, Halsey Taylor reserves the right to change product specifications without notice. Please visit HalseyTaylor.com for the most current version of Halsey Taylor product specification sheets. This specification describes a Halsey Taylor product with design, quality, and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

Halsey Taylor REV 04022026
HTHB-HAC8BLSS-WF

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Patent turn-elkay.com/patents

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HTHB-HAC8BLSS-WF_spec.pdf



Included with Product: Water Cooler (8740082883-HTHB), Filter, Bottle Filler (HTHB-HAC)

Ships in multiple boxes.

A Century of Tradition and Quality.

For more than 100 years, Elkay has been making innovative products and providing exceptional customer care. We take pride in offering plumbing products that make life easier, inspire change and leave the world a better place.



PRODUCT COMPLIANCE

ADA & ICC A117.1

ASME A112.19.3/CSA B45.4

CAN/CSA C22.2 No. 120

GreenSpec®

NSF/ANSI 42, 53, 61 (Qs1), 372 (lead free), & 401 UL 399



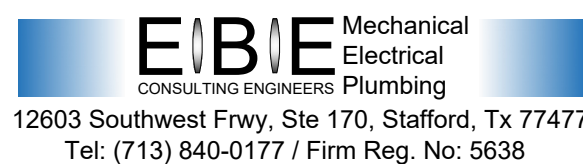
Complies with ADA & ICC A117.1 accessibility requirements when installed according to the requirements outlined in these standards. Installation may require additional components and/or construction features to be fully compliant. Consult the local Authority Having Jurisdiction if necessary.

Installation Instructions (PDF) - 1000001743

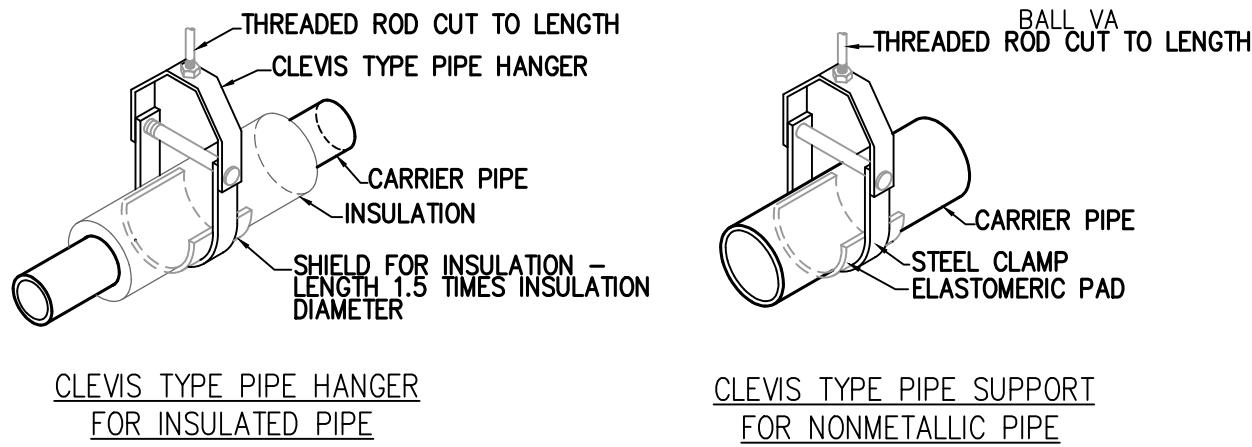
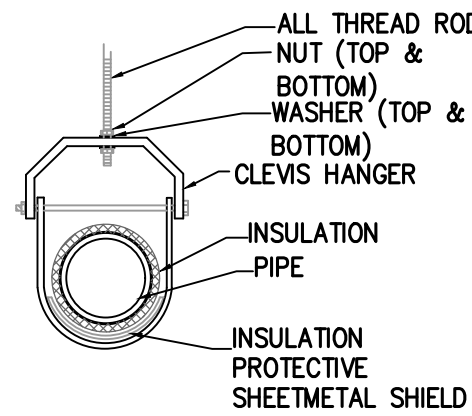
5 Year Limited Warranty on the refrigeration system of the unit.

Electrical components and water system are warranted for 12 months from date of installation. **Warranty pertains to drinking water applications only. Non-drinking water applications are not covered under warranty.**

Warranty (PDF)



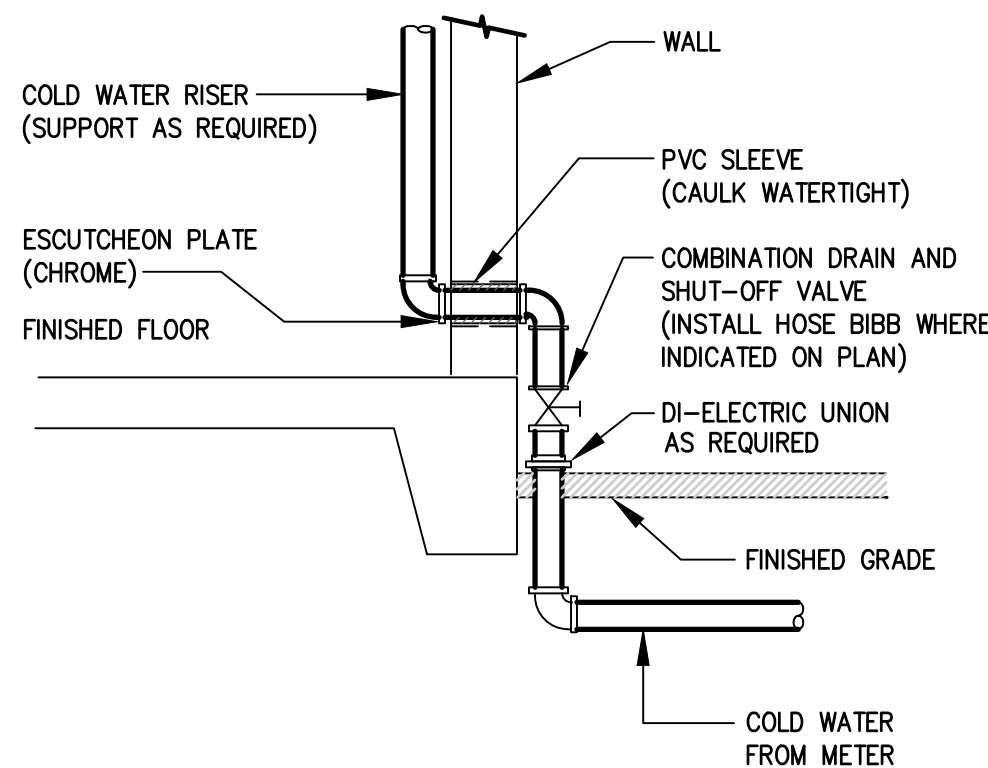
12603 Southwest Fwy, Ste 170, Stafford, Tx 77477
Tel: (713) 840-0177 / Firm Reg. No: 5638



- NOTES:**
1. REFER TO MANUFACTURERS SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 2. 16 GA. GALVANIZED SHEET STEEL SADDLE AT LEAST 12" LONG. (INSULATED LINES ONLY)
 3. INSULATION WHERE SPECIFIED.

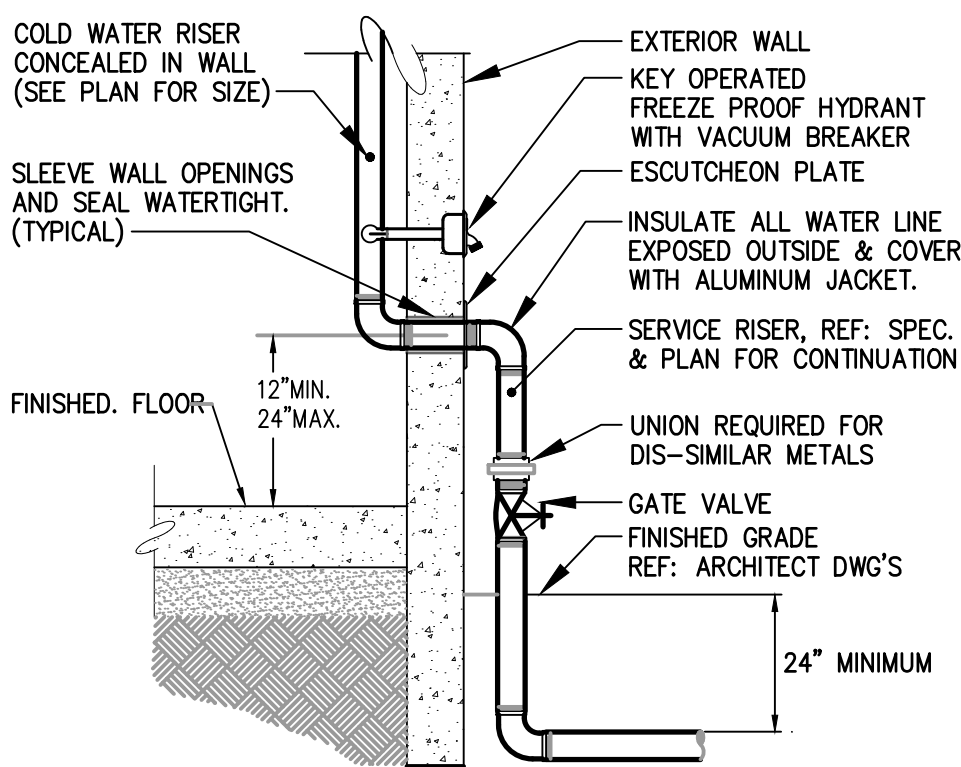
CLEVIS PIPE HANGER SUPPORT DETAIL 01

SCALE: NONE



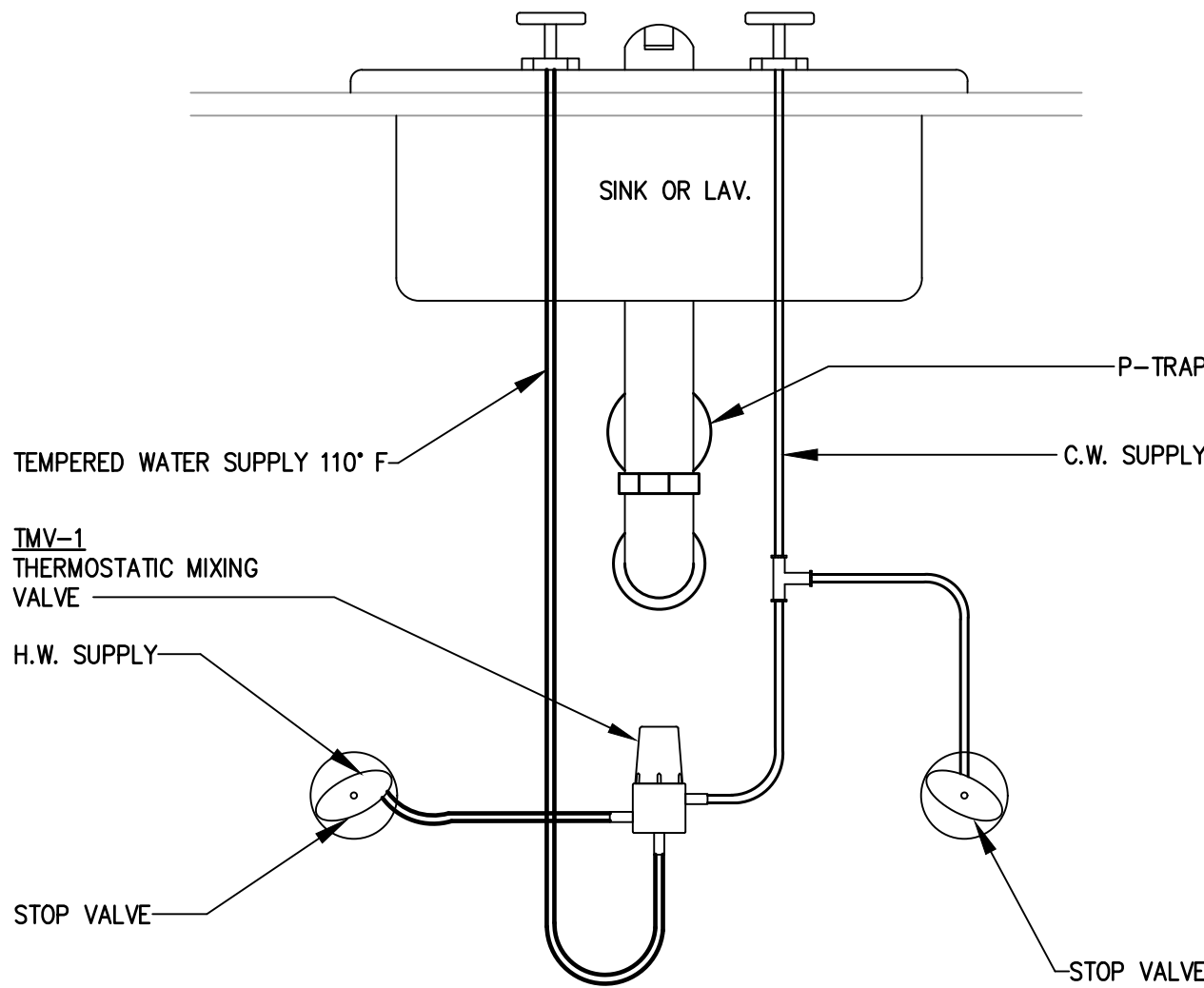
DOMESTIC WATER ENTRY DETAIL 04

SCALE: NONE



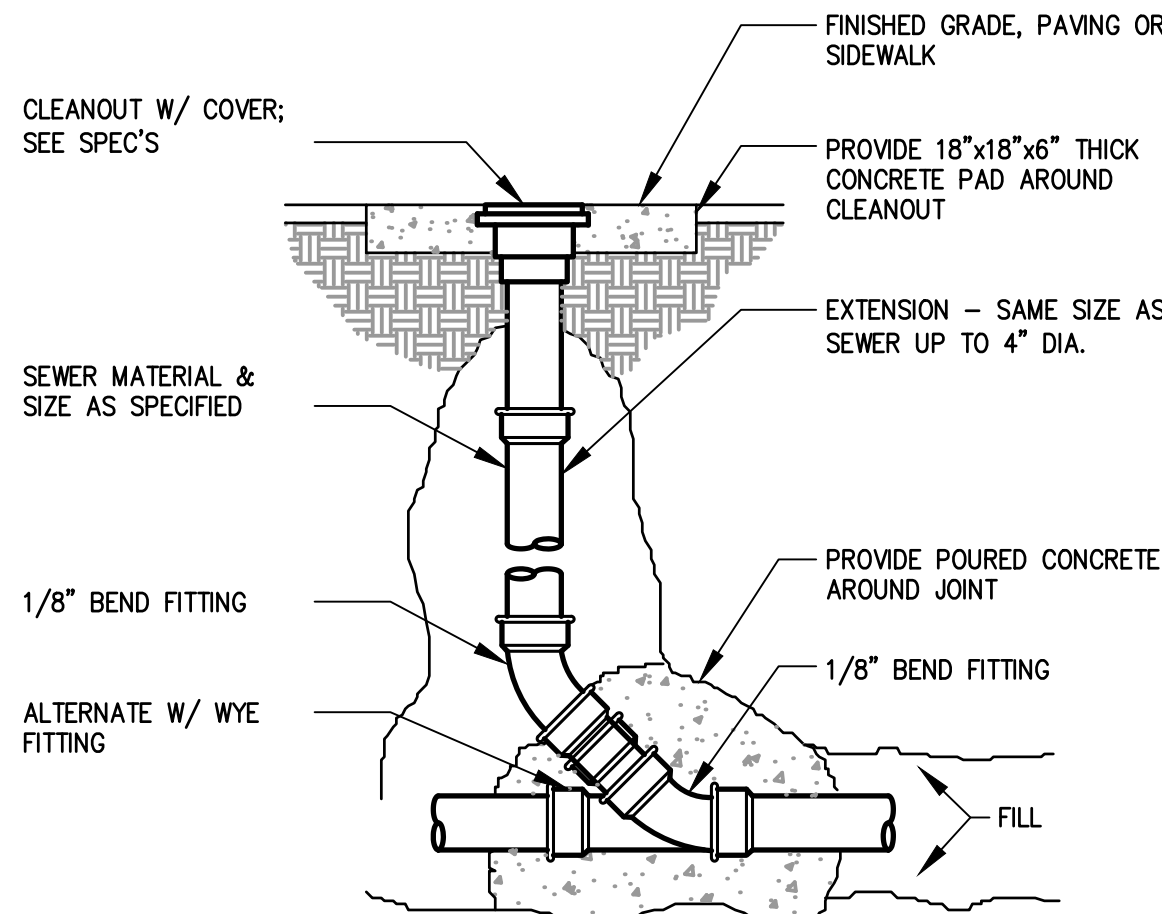
WATER ENTRY SERVICE DETAIL 07

SCALE: NONE



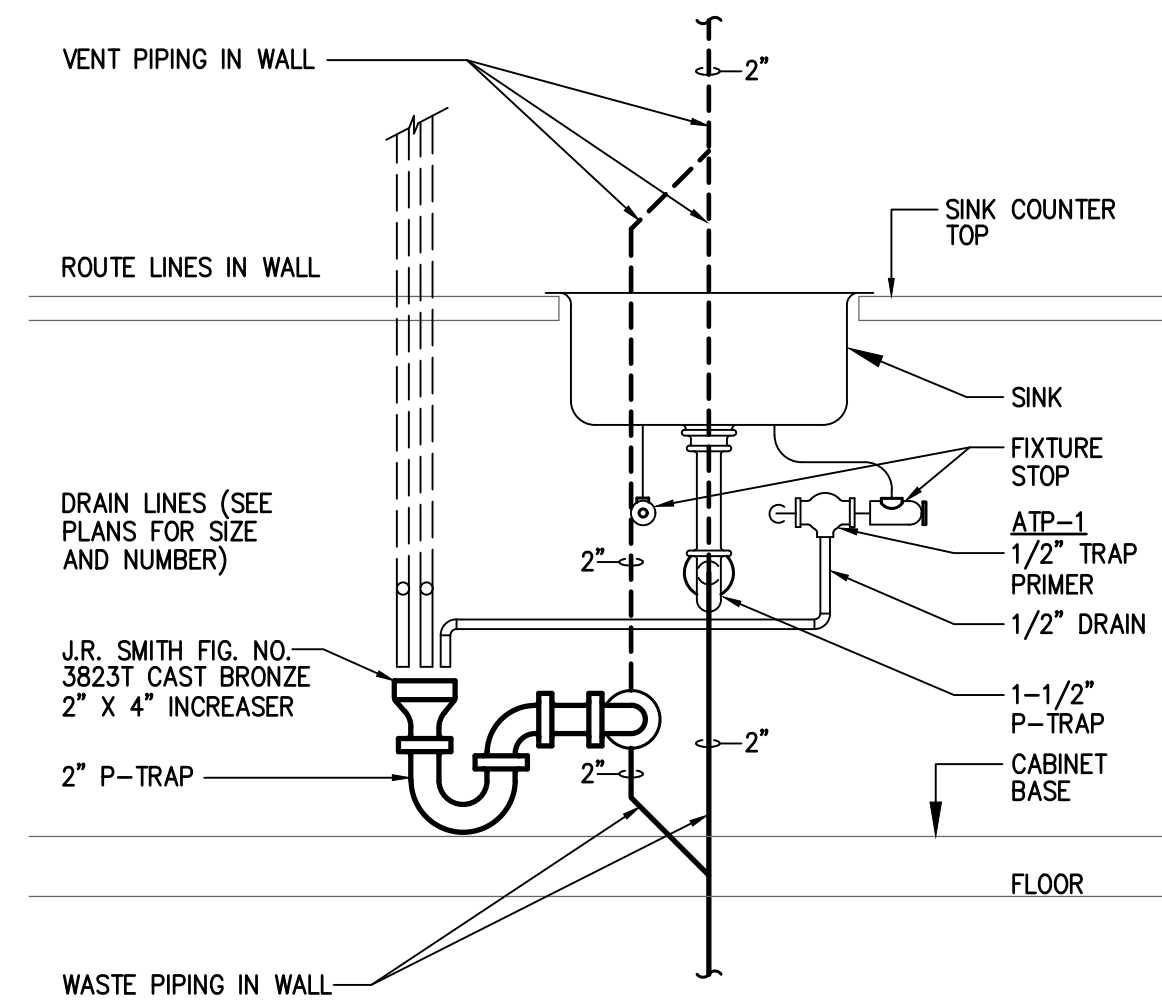
THERMOSTATIC MIXING VALVE TMV-1 02

SCALE: NONE



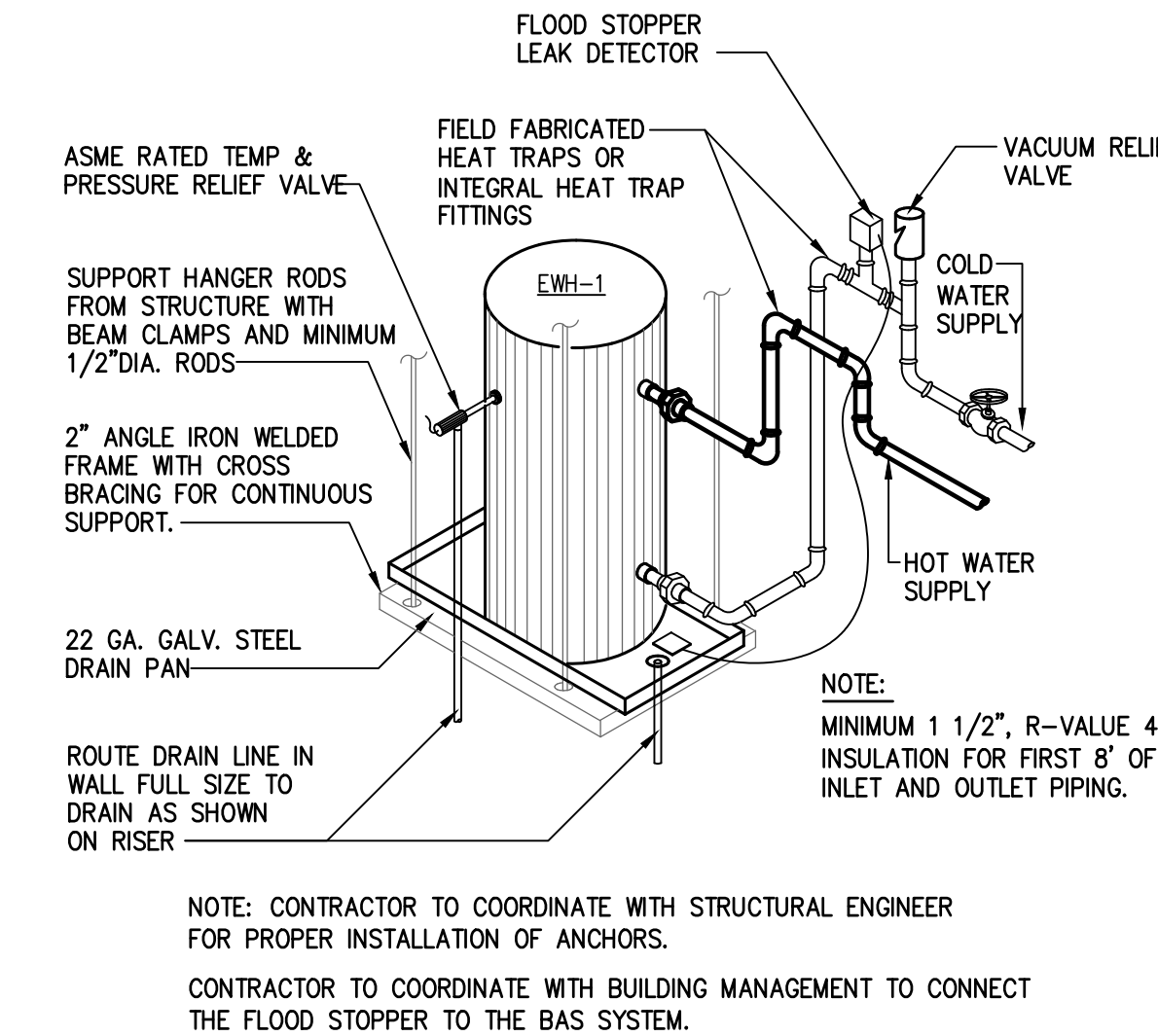
EXTERIOR CLEANOUT 05

SCALE: NONE



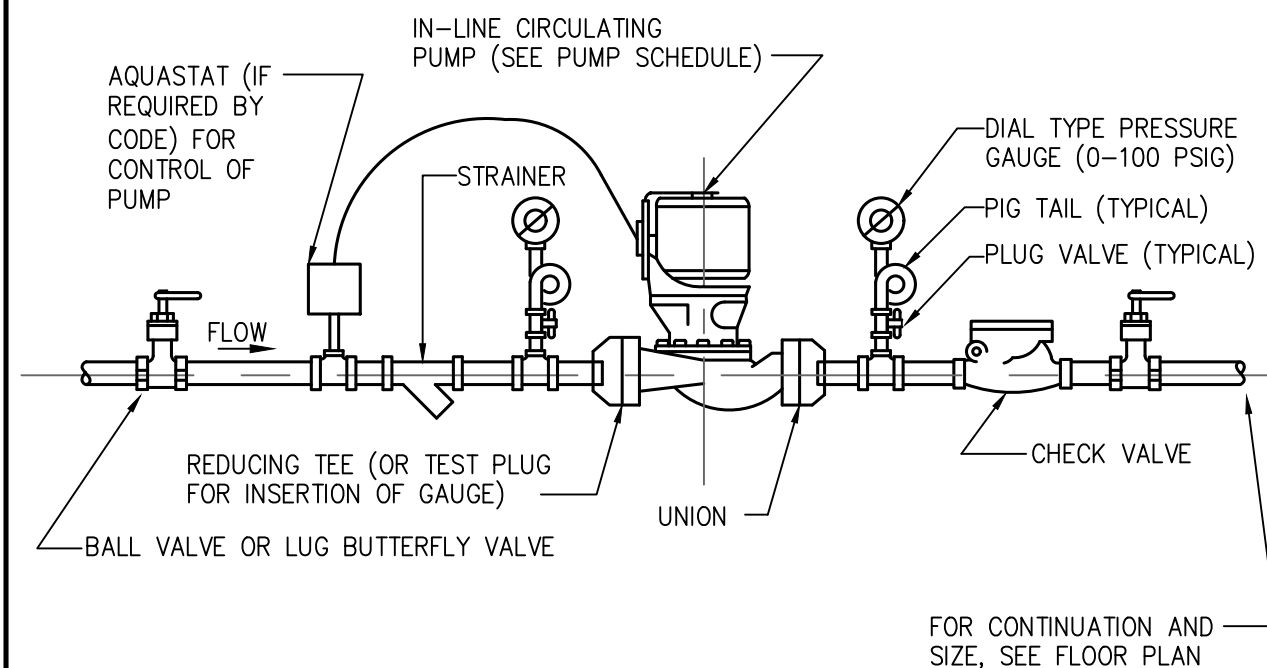
INDIRECT WASTE PIPING DETAIL 03

SCALE: NONE



ELECTRICAL WATER HEATER DETAIL 03

SCALE: NONE



TS-1

- TIME SWITCH OPERATION:
1. TIME SWITCH TO OPERATE DURING NORMAL OPERATIONS UNDER A PRESET SCHEDULE.
 2. TIME SWITCH TO TURN ON AND OFF PUMP MOTORS ACCORDING TO THE SET SCHEDULE

IN-LINE CIRCULATING PUMP 06

SCALE: NONE



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REVISIONS		
MARK	DESCRIPTION	DATE
	70% REVIEW SET	07/29/26
	90% REVIEW SET	08/20/26
	ISSUE FOR PERMIT & BID	09/11/26
△	ADDENDUM A	09/18/26

The information, ideas, designs, details, layouts, techniques, features, arrangements, plans, sequences, dimensions, allowances, tolerances, conceptions, specifications, intentions, technology or embodiments, as illustrated, arranged, displayed, noted, recorded, indicated, represented, disclosed, evidenced, detailed or otherwise reduced to tangible form hereon, either expressly, inherently or by implication, are the confidential and proprietary information of SLI Design, Inc., and shall not be used for any purpose other than the specific project or undertaking identified on the drawing title block or legend for which they are and have been prepared by SLI Design, Inc. Any other reproduction, disclosure or use of any portion of the confidential and proprietary information of SLI Design, Inc., shall be a breach of the obligation of confidence created by the acceptance of this drawing from SLI Design, Inc. for a specific project or Contract. Any copying, duplicating, reproducing, utilization, alteration, modification, revision or change to this drawing, is expressly prohibited unless done with the prior written consent or approval of SLI Design, Inc., and shall not be undertaken without receipt of such prior written approval. This drawing is loaned by SLI Design, Inc., for the limited purpose of complying with a specific Contract. The drawing remains the property of SLI Design, Inc., and shall be returned upon request or completion of the contract, unless specifically authorized by Contract, under which it was loaned.



09/18/2026

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PLUMBING DETAILS

SHEET NO.

P-3.10

E/B/E Mechanical
Electrical
Plumbing
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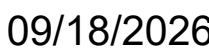
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E/BE Project Number : 26129.00

REVISIONS		
MARK	DESCRIPTION	DATE
	70% REVIEW SET	07/29/26
	90% REVIEW SET	08/20/26
	ISSUE FOR PERMIT & BID	09/11/26
1	ADDENDUM A	09/18/26

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PLUMBING RISERS

P-4.10

