

INDEX TO SHEETS

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G001	INDEX TO SHEETS
G002	

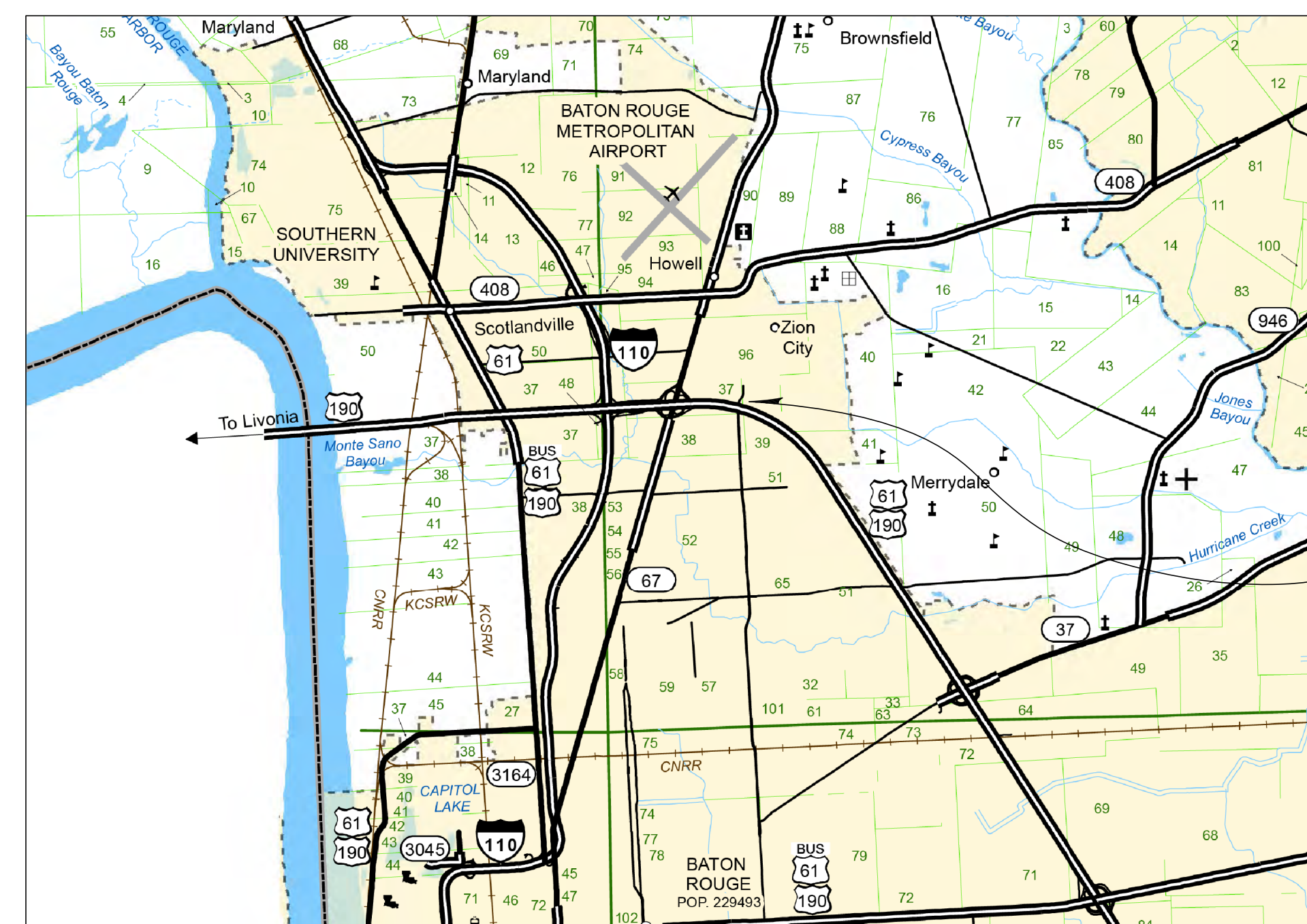
CITY OF BATON ROUGE  
AND  
PARISH OF EAST BATON ROUGE  
  
DEPARTMENT OF TRANSPORTATION AND DRAINAGE  
ENGINEERING DIVISION  
  
CAPITAL AREA TRANSIT SYSTEM  
  
PLANS OF PROPOSED  
**NORTH TRANSIT CENTER**

CITY PARISH PROJECT No. 16-CI-US-0032-PACKAGE NO. 1

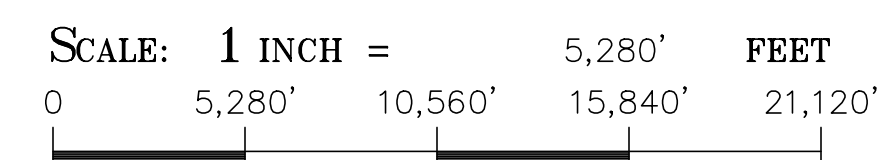
PROJECT AREA



VICINITY MAP



LAYOUT MAP



DATUM USED:  
HORIZONTAL: LOUISIANA STATE PLANE COORDINATES  
ZONE 1702 (NAD 83 (2011) EPOCH 2010.00)  
VERTICAL: NAVD 88 (GEOID18)

TYPE OF CONSTRUCTION:

CLEARING AND GRUBBING, PORTLAND CEMENT CONCRETE PAVEMENT, DRAINAGE STRUCTURES, WATER LINES, SEWER LINES, ADA RAMPS, PERMANENT PAVEMENT STRIPING, BUS STATION, LIGHTING, LANDSCAPING



RECOMMENDED FOR APPROVAL

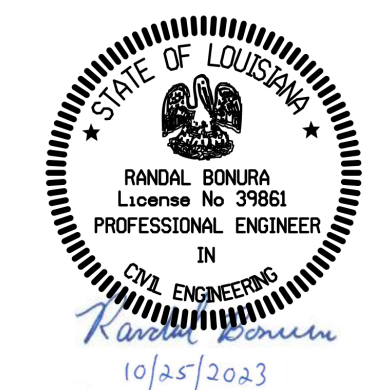
HNTB CORPORATION  
DATE:

SHEET NUMBER	G001	PARISH	EAST BATON ROUGE PARISH	DESIGNED / CHECKED	CEH / RJUB	DATE / SHEET	5/23/2023 / 1 OF 1
CITY PROJECT	16-CI-US-0032	CITY PROJECT	16-CI-US-0032	DETAILED / CHECKED	CEH / RJUB	DATE / SHEET	5/23/2023 / 1 OF 1
STATE PROJECT		STATE PROJECT					
TITLE SHEET		NORTH TRANSIT CENTER		BY		DATE	
BR		CITY OF BATON ROUGE		HNTB			

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SHEET NUMBER	G002	PARISH	EAST BATON ROUGE PARISH	CITY PROJECT	16-CI-US-0032	STATE PROJECT	
DESIGNED	CHECKED	CEH	RUB	DATE	5/23/2023	SHEET	1 OF 1
DESIGNED	CHECKED	CEH	RUB	DATE	5/23/2023	SHEET	1 OF 1
NO.	DATE	BY	REVISION DESCRIPTION				
INDEX TO SHEETS				NORTH TRANSIT CENTER			

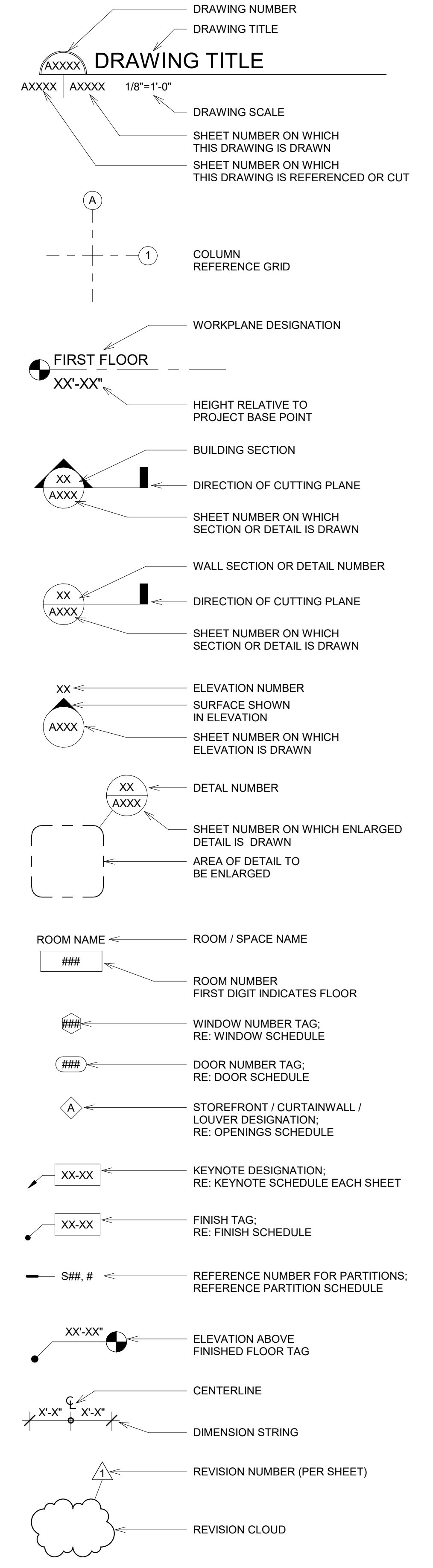
**GENERAL NOTES**

- DIMENSIONS ARE SHOWN TO FACE OF FINISHES, UNLESS OTHERWISE INDICATED.
- DO NOT SCALE DRAWINGS. CONSULT WITH ARCHITECT FOR CLARIFICATIONS.
- THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR BUILDING THIS PROJECT IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, UNLESS OTHERWISE NOTIFIED IN WRITING BY THE OWNER OR ARCHITECT.
- ALL WORK SHALL BE IN COMPLIANCE WITH THE CURRENT VERSION OF ALL APPLICABLE CODES AND THE AMERICAN DISABILITIES ACT. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DEFICIENCIES PRIOR TO THE COMPLETION OF WORK.
- CONTRACTOR SHALL PROVIDE PUBLIC PROTECTIONS NECESSARY PER ALL APPLICABLE REGULATIONS.
- CONTRACTOR WILL COORDINATE WITH OWNER PARKING ON OR OFF SITE. ONLY EQUIPMENT FOR CONSTRUCTION MAY BE PARKED ON SITE.
- THE LOCATION OF THE EXISTING UTILITIES AND STRUCTURES SHOWN HEREON ARE APPROXIMATE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF THE EXISTENCE AND ACTUAL LOCATION OF SUCH, WHETHER SHOWN HEREON OR NOT, PRIOR TO ANY EXCAVATION. ANY DAMAGES SHALL BE REPAIRED AT THE EXPENSE OF THE GENERAL CONTRACTOR.
- ALL EXTERIOR JOINTS IN THE BUILDING ENVELOPE THAT ARE SOURCES OF WATER AND/OR AIR LEAKS SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED. REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- PENETRATIONS INTO, AND OPENINGS THROUGH AN EXIT ENCLOSURE (I.E. STAIRS) SHALL BE LIMITED TO THE FOLLOWING:  
 A) DOORS PERMITTED IN NFPA 101, 7.1.3.2.1 (9)  
 B) ELECTRICAL CONDUIT SERVING THE EXIT ENCLOSURE.  
 C) REQUIRED EXIT DOOR OPENINGS  
 D) DUCTWORK AND EQUIPMENT NECESSARY FOR INDEPENDENT STAIR PRESSURIZATION.  
 E) WATER OR STEAM PIPING NECESSARY FOR THE HEATING OR COOLING OF THE EXIT ENCLOSURE.  
 F) SPRINKLER PIPING.  
 G) STANDPIPES.  
 H) EXISTING PENETRATIONS PROTECTED IN ACCORDANCE WITH NFPA 8.3.5.  
 I) PENETRATIONS FOR FIRE ALARM CIRCUITS, WHERE THE CIRCUITS ARE INSTALLED IN METAL CONDUIT AND THE PENETRATIONS ARE PROTECTED IN ACCORDANCE WITH 8.3.5.
- FIRE BARRIERS SHALL BE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL, FROM FIRE BARRIER TO ANOTHER FIRE BARRIER, OR A COMBINATION THEREOF, INCLUDING CONTINUITY THROUGH ALL CONCEALED SPACES SUCH AS THOSE FOUND ABOVE A CEILING. INCLUDING INTERSTITIAL SPACES.
- PASSAGES OF PIPES, CONDUITS, BUS DUCTS, CABLES, WIRES, AIR DUCTS PNEUMATIC DUCTS, AND SIMILAR BUILDING SERVICES EQUIPMENT THROUGH FIRE BARRIERS SHALL BE PROTECTED WITH THE SAME FIRE RATING AS THE ADJACENT WALL.
- PROVIDE STENCILING ABOVE ACCESSIBLE CEILINGS, AND IN CONCEALED SPACES AT CORRIDOR PARTITIONS, SMOKE STOP PARTITIONS, HORIZONTAL EXIT PARTITIONS EXIT ENCLOSURES, AND FIRE RATED WALLS. PRIOR TO STENCILING OBTAIN APPROVAL FROM AUTHORITY HAVING JURISDICTION FOR THE EXACT WORDING OF MESSAGE.
- THE SEQUENCE OF INSTALLTION OF ALL ELEMENTS WITHIN AN ASSEMBLY, TO ASSURE THE CONSTRUCTIBILITY, IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. QUERIES BY THE GENERAL CONTRACTOR REGARDING CONSTRUCTIBILITY OF ANY ASSEMBLY SHALL BE ADDRESSED TO THE ARCHITECT FOR REVIEW IN A TIMELY MANNER. IN ORDER FOR THE ARCHITECT TO REVIEW AND COORDINATE WITH OTHER DISCIPLINES, AND TO ENSURE THE CONSTRUCTION SCHEDULE IN NOT ADVERSELY IMPACTED.
- CONTRACTOR SHALL PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING DEMOLITION.
- CONTRACTOR SHALL NOTIFY ARCHITECT AND OWNER OF ANY DEFECTS AND/OR DAMAGED/DECAYING MATERIALS FOUND IN THE EXISTING STRUCTURE OR WORK PRIOR TO ENCLOSING NEW CONSTRUCTION.
- THE EXISTING PLAN IS DOCUMENTED ON THE DRAWINGS IN ACCORDANCE WITH A LIMITED NUMBER OF AVAILABLE ORIGINAL CONSTRUCTION DRAWINGS AND FIELD INVESTIGATIONS. VARIANCE OF ACTUAL EXISTING CONDITIONS FROM THOSE ILLUSTRATED ON THESE DOCUMENTS MAY OCCUR. THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT.
- ALL EXISTING ITEMS TO REMAIN UNLESS OTHERWISE NOTED.
- CONTRACTOR TO COORDINATE ALL SHUT DOWNS OR INTERRUPTIONS IN ANY SERVICE WITH THE OWNER PRIOR TO PROCEEDING WITH WORK.
- ALL WOOD BLOCKING & NAILERS TO BE PRESSURE TREATED.
- ELEVATION 0' - 0" = +1.6 N.A.V.D.

**MATERIAL SYMBOLS**

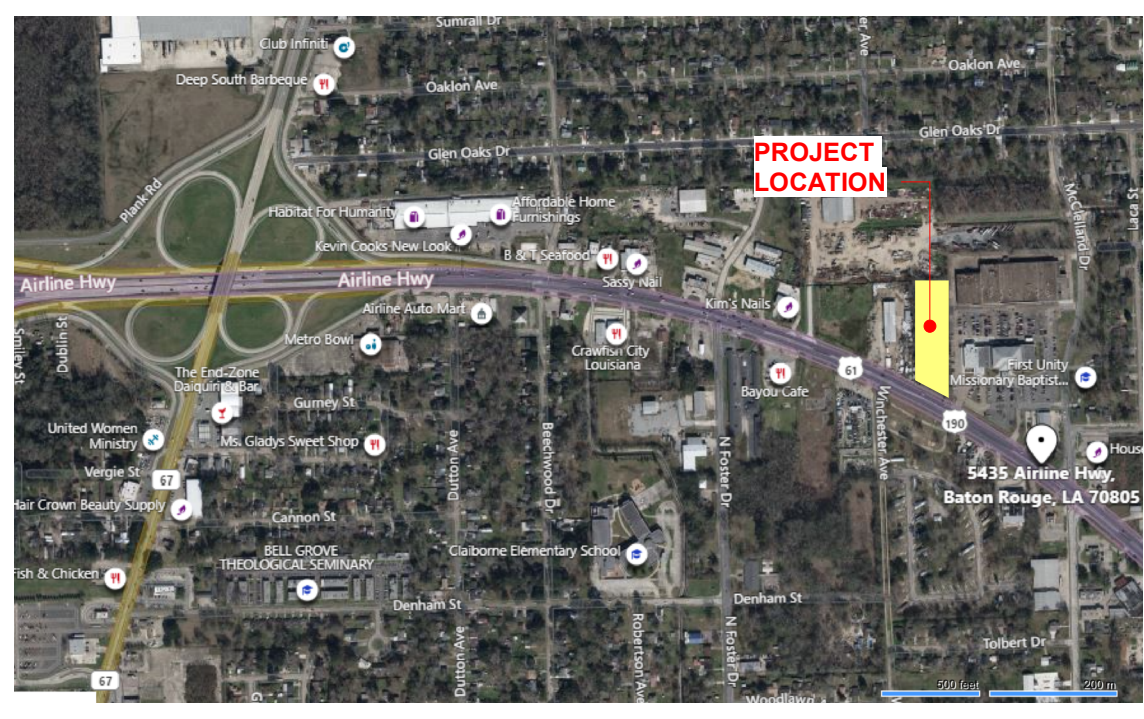
	EARTH		ALUM. COMPOSITE PANEL
	AGGREGATE FILL		GROUT
	CONCRETE		MARBLE/ GRANITE
	BRICK IN PLAN		ACOUSTICAL TILE/BOARD
	CONCRETE MASONRY UNITS		WOOD GRAIN
	CUT/ CAST STONE		PLYWOOD
	STEEL		FINISH LUMBER
	MORTAR NET		GFRG
	DISCONTINUOUS ROUGH LUMBER		BRICK IN SECTION
	CONTINUOUS LUMBER		FIRE STOPPING
	RIGID INSULATION		FIRE SAFING INSULATION
	BLANKET INSULATION		

**GRAPHIC SYMBOLS**



**ABBREVIATIONS**

ACOUS.	ACOUSTICAL	IN.	INCH
ACT	ACOUSTICAL CEILING TILE	INSUL.	INSULATION
A.D.	AREA DRAIN	INT.	INTERIOR
ADJ.	ADJACENT	INV.	INVERT
ADJUST.	ADJUSTABLE	J.B.	JUNCTION BOX
A.F.F.	ABOVE FINISHED FLOOR	JT.	JOINT
A.F.G.	ABOVE FINISH GRADE	LAV.	LAVATORY
ALUM.	ALUMINUM	LM	LIMESTONE
APPROX.	APPROXIMATELY	LT.WT.	LIGHT WEIGHT
ASB.	ASBESTOS	MA	MARBLE
ATTEN.	ATTENUATION	M.H.	MANHOLE
BR.	BRICK	MACH.	MACHINE
BD.	BOARD	MANUF.	MANUFACTURER
BLDG.	BUILDING	MAX.	MAXIMUM
BLK.	BLOCK	MECH.	MECHANICAL
BM.	BEAM	MET., MTL.	METAL
BOL.	BOLLARD	MIN.	MINIMUM
CAR.	CARPET	M.T.	METAL THRESHOLD
C.B.	CATCH BASIN	N.I.C.	NOT IN CONTRACT
C.G.	CORNER JOINT	NOM.	NOMINAL
C.J.	CONTROL JOINT	NTS.	NOT TO SCALE
C.M.U.	CONCRETE MASONRY UNIT	O.C.	ON CENTER
C.O.	CLEAN OUT	O.D.	OUTSIDE DIAMETER
C.R.	COLD ROLLED	OPG.	OPENING
CAB.	CABINET	PT.	PAINT
CEM.	CEMENT	PARTN.	PARTITION
CLG.	CEILING	PLAM.	PLASTIC LAMINATE
COL.	COLUMN	PLAS.	PLASTER
CONC.	CONCRETE	PLYWD.	PLYWOOD
CONST.	CONSTRUCTION	Q.T.	QUARRY TILE
CONT.	CONTINUOUS	R	METAL ROOF FINISH
CPT.	CARPET TILE	R.B.	RESILIENT BASE
C.T.	CERAMIC TILE	R.D.	ROOF DRAIN
DBL.	DOUBLE	RAD.	RADIUS
DEMO.	DEMOLITION	RE.	REFERENCE
DET.	DETAIL	REC.	RECESSED
DIA.	DIAMETER	REINF.	REINFORCED
DIAG.	DIAGONAL	REQD.	REQUIRED
DIM.	DIMENSION	RET.	RETAINING
DISP.	DISPENSER	RM.	ROOM
DN.	DOWN	R.O.	ROUGH OPENING
DWG.	DRAWING	R.T.	RESILIENT TILE
EA.	EACH	SEAL	SEALANT
EDF	ELECTRIC DRINKING FOUNTAIN	S.S.	STAINLESS STEEL
E.W.C.	ELECTRICAL WATER COOLER	SCHED.	SCHEDULE
EL.	ELEVATION	SECT.	SECTION
ELECT.	ELECTRICAL	SF	SPECIAL FINISH
ENAM.	ENAMEL	SH	SHUTTER
EQ.	EQUAL	SHT.	SHEET
EQUIP.	EQUIPMENT	SIM.	SIMILAR
E.W.	EACH WAY	SL.	SLOPE
E.W.C.	ELECTRICAL WATER COOLER	SPEC.	SPECIFICATION
EXIST.	EXISTING	SQ.	SQUARE
EXP.	EXPANSION	STD.	STANDARD
EXT.	EXTERIOR	STL.	STEEL
F.D.	FLOOR DRAIN	STRUCT.	STRUCTURAL
F.H.	FLAT HEAD	SUSP.	SUSPENDED
FDN.	FOUNDATION	SVT	SPECIALTY VINYL TILE
FIN.	FINISH	T.	T.
FLR.	FLOOR	T.B.	TOP & BOTTOM
FLUOR.	FLUORESCENT	T.C.	TOP OF CURB
FOC.	FACE OF CONC.(MAS.)	T&G	TONGUE & GROOVE
F.E.C.	FIRE EXTINGUISHING CABINET	T.O.C.	TOP OF CONCRETE
F.H.C.	FIRE HOSE CABINET	T.O.S.	TOP OF STEEL
F.R.	FIRE RESISTANCE	TEL.	TELEPHONE
FRP	FRAME	TER.	TERRAZZO
FRP	FIBERGLASS REINFORCEMENT PANEL	THRU.	THROUGH
FT.	FOOT	TYP.	TYPICAL
G.I.	GALVANIZED IRON	U.N.O.	UNLESS NOTED OTHERWISE
GA.	GAUGE	UR.	URINAL
GALV.	GALVANIZED	V.C.P.	VERIFIED CLAY PIPE
GEN.	GENERAL	V.C.T.	VINYL COMPOSITION TILE
GL.	GLASS	VERT.	VERTICAL
GR.	GRANITE	VSF	VINYL SHEET FLOORING
GYP.	GYPNUM	V.W.C.	VINYL WALL COVERING
GYP. BD.	GYPNUM BOARD	W/	WITH
HC	HANDICAPPED	W.C.	WATER CLOSET
H.M.	HOLLOW METAL	W.F.	WIDE FLANGE
H.R.	HANDRAIL	W.P.	WATERPROOF
HORIZ.	HORIZONTAL	W.W.F.	WELDED WIRE FABRIC
HT.	HEIGHT	WATER RES.	WATER-RESISTANT
I.D.	INSIDE DIMENSION	WD.	WOOD



VICINITY MAP



PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	XXX-XXX-XXX-XXX

DESIGNED OK	DATE	BY
CHECKED TK	8/8/2022	
DETAILED CP		
CHECKED TK		
DATE SHEET		

NO.	DATE	REVISION DESCRIPTION



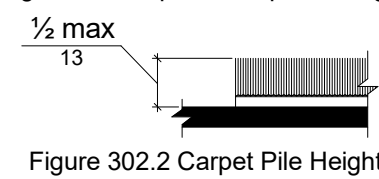
ARCHITECTURAL  
GENERAL NOTES, SYMBOLS AND ABBREVIATIONS  
NORTH TRANSIT CENTER



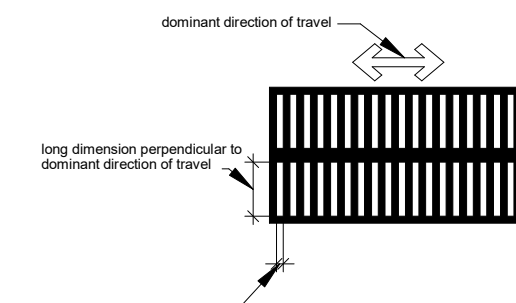
# CHAPTER 3: BUILDING BLOCKS

## 302-Floor and Ground Surfaces

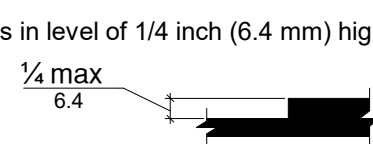
302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing on no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Pile height shall be 1/2 inch (13 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the entire length of the exposed edge. Carpet edge trim shall comply with 303.



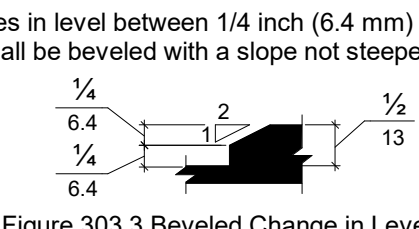
302.3 Openings. Openings in floor or ground surfaces shall not allow passage 302.3 Openings. Openings in floor or ground surfaces shall not allow passage 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.



302.3 Vertical. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical.



302.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2 inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2.



## 304-Turning Space / 305 Clear Floor Space

304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.

304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.

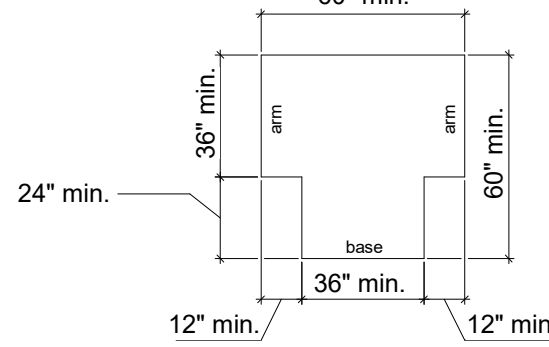


Figure 304.3.2 T-Shaped Turning Space

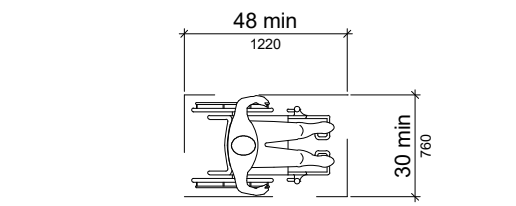


Figure 305.3 Clear Floor or Ground Space

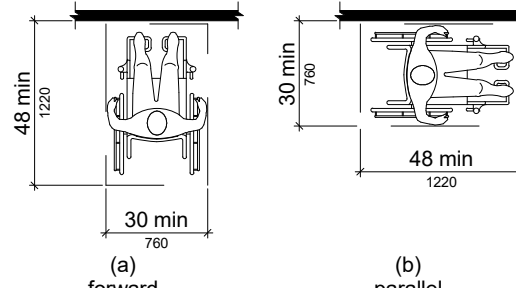


Figure 305.5 Position of Clear Floor or Ground Space

305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm) wide minimum where the depth exceeds 24 inches (610 mm).

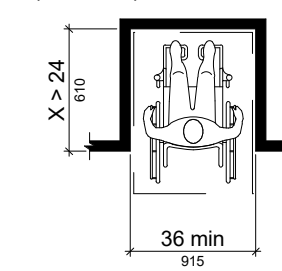


Figure 305.7.1 Maneuvering Clearance in an Alcove, Forward Approach

305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm).

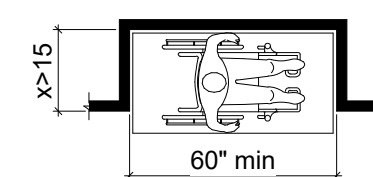


Figure 305.7.2 Maneuvering Clearance in an Alcove, Parallel Approach

## 306-Knee and Toe Clearance

306.2 Toe Clearance.

306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element.

306.2.3 Minimum Required Depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum under the element.

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.

306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.

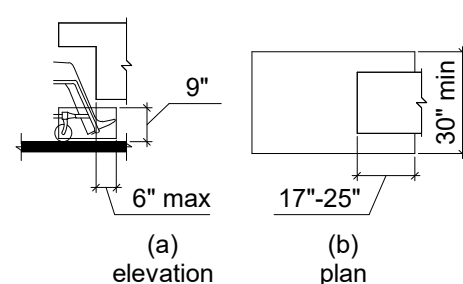


Figure 306.2 Toe Clearance

306.3 Knee Clearance.

306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall comply with 306.3.

306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the finish floor or ground.

306.3.3 Minimum Required Depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205 mm) deep minimum at 27 inches (685 mm) above the finish floor or ground.

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.

306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.

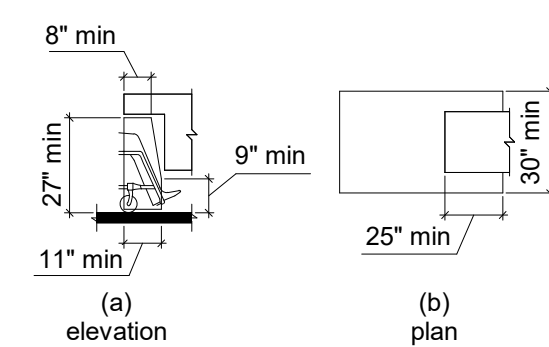


Figure 306.3 Knee Clearance

## 307-Protruding Objects

307.2 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path.

EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.

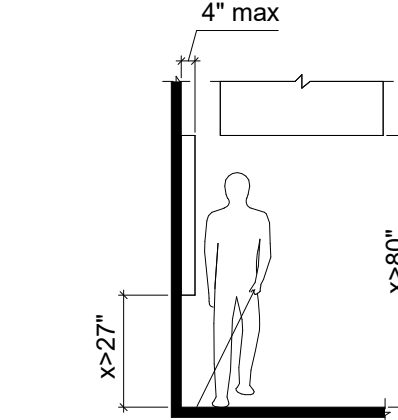


Figure 307.2 Limits of Protruding Objects

307.3 Post-Mounted Objects. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm) minimum and 80 inches (2030 mm) maximum above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches (305 mm), the lowest edge of such sign or obstruction shall be 27 inches (685 mm) maximum or 80 inches (2030 mm) minimum above the finish floor or ground.

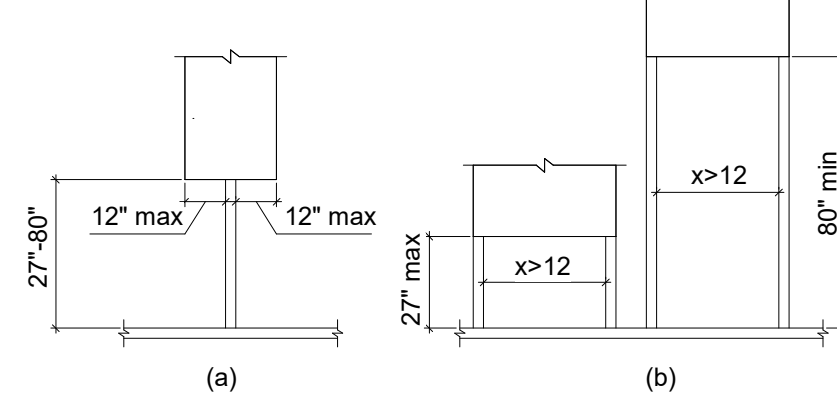


Figure 307.3 Post-Mounted Protruding Objects

307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (685 mm) maximum above the finish floor or ground.

EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.

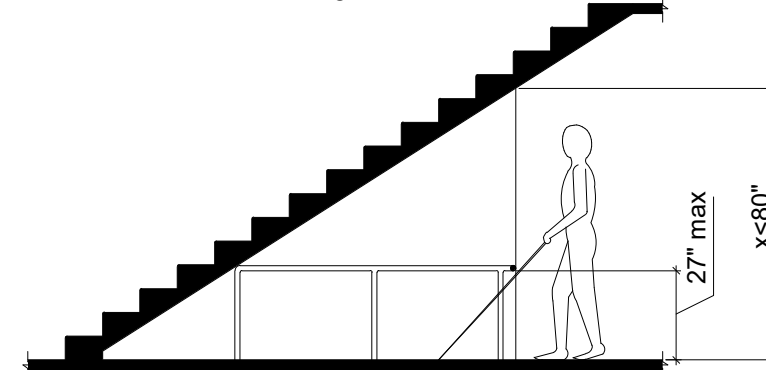


Figure 307.4 Vertical Clearance

## 308-Reach Ranges

Children's Reach Ranges	High (maximum)	Low (minimum)
Forward or Side Reach	36"	20"
Ages 3 and 4	36"	20"
Ages 5 through 8	40"	18"
Ages 9 through 12	44"	16"

308.2 Forward Reach.

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

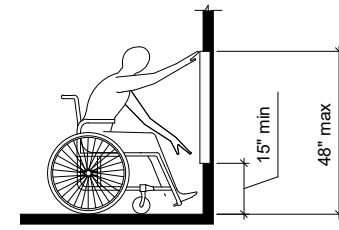


Figure 308.2.1 Unobstructed Forward Reach

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

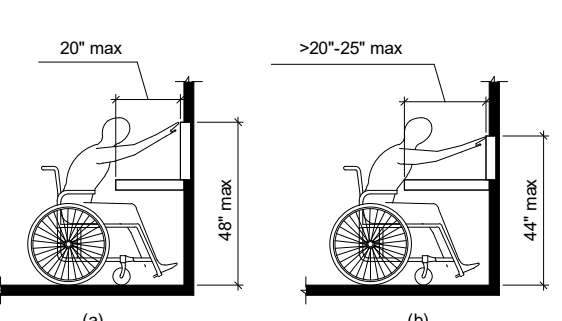


Figure 308.2.2 Obstructed High Forward Reach

308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

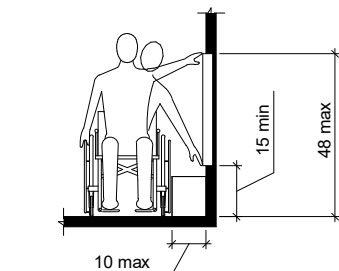


Figure 308.3.1 Unobstructed Side Reach

308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

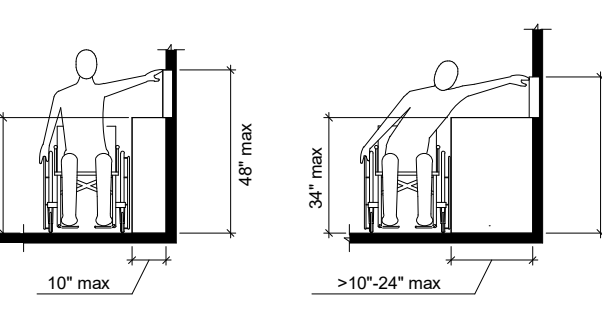


Figure 308.3.2 Obstructed High Side Reach

## 309-Operable Parts

309.2 Clear Floor Space. A clear floor or ground space complying with 305 shall be provided.

309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in 308.

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.

## CHAPTER 4: ACCESSIBLE ROUTES

### 402-Accessible Routes

402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1:20, doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of Chapter 4.

Advisory 402.2 Components. Walking surfaces must have running slopes not steeper than 1:20, see 403.3. Other components of accessible routes, such as ramps (405) and curb ramps (406), are permitted to be more steeply sloped.

### 403-Walking Surfaces

403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403.

403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302.

403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.

403.4 Changes in Level. Changes in level shall comply with 303.

403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5.

EXCEPTION: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.

403.5.1 Clear Width. Except as provided in 403.5.2 and 403.5.3, the clear width of walking surfaces shall be 36 inches (915 mm) minimum.

EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) long minimum and 36 inches (915 mm) wide minimum.

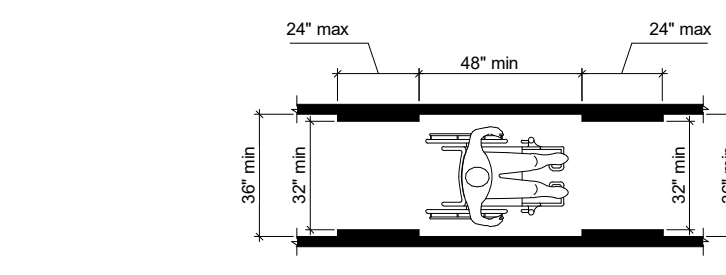


Figure 403.5.1 Clear Width of an Accessible Route

403.5.2 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

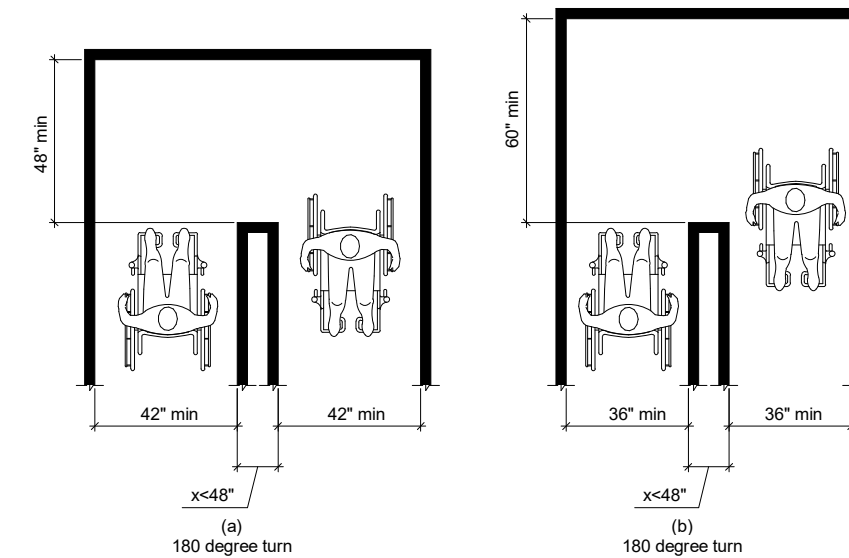


Figure 403.5.2 Clear Width at Turn

403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum.

## 404-Doors, Doorways, and Gates

404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm).

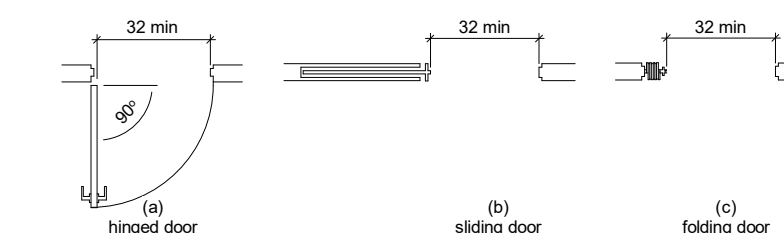


Figure 404.2.3 Clear Width of Doorways

404.2.4 Maneuvering Clearances. Minimum maneuvering clearances at doors and gates shall comply with 404.2.4. Maneuvering clearances shall extend the full width of the doorway and the required latch side or hinge side clearance.

EXCEPTION: Entry doors to hospital patient rooms shall not be required to provide the clearance beyond the latch side of the door.

404.2.4.1 Swinging Doors and Gates. Swinging doors and gates shall have maneuvering clearances complying with Table 404.2.4.1.

Table 404.2.4.1 Maneuvering Clearances at Manual Swinging Doors and Gates			
Approach Direction	Door or Gate Side	High (maximum)	Low (minimum)
From front	Pull	60 inches	18 inches
From front	Push	48 inches	0 inches <sup>1</sup>
From hinge side	Pull	60 inches	36 inches
From hinge side	Push	54 inches <sup>2</sup>	42 inches
From latch side	Pull	48 inches <sup>1</sup>	24 inches
From latch side	Push	42 inches <sup>1</sup>	24 inches

- Add 12 inches if closer and latch are provided.
- Add 6 inches if closer and latch are provided.
- Beyond hinge side.
- Add 6 inches if closer is provided.

404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door or gate.

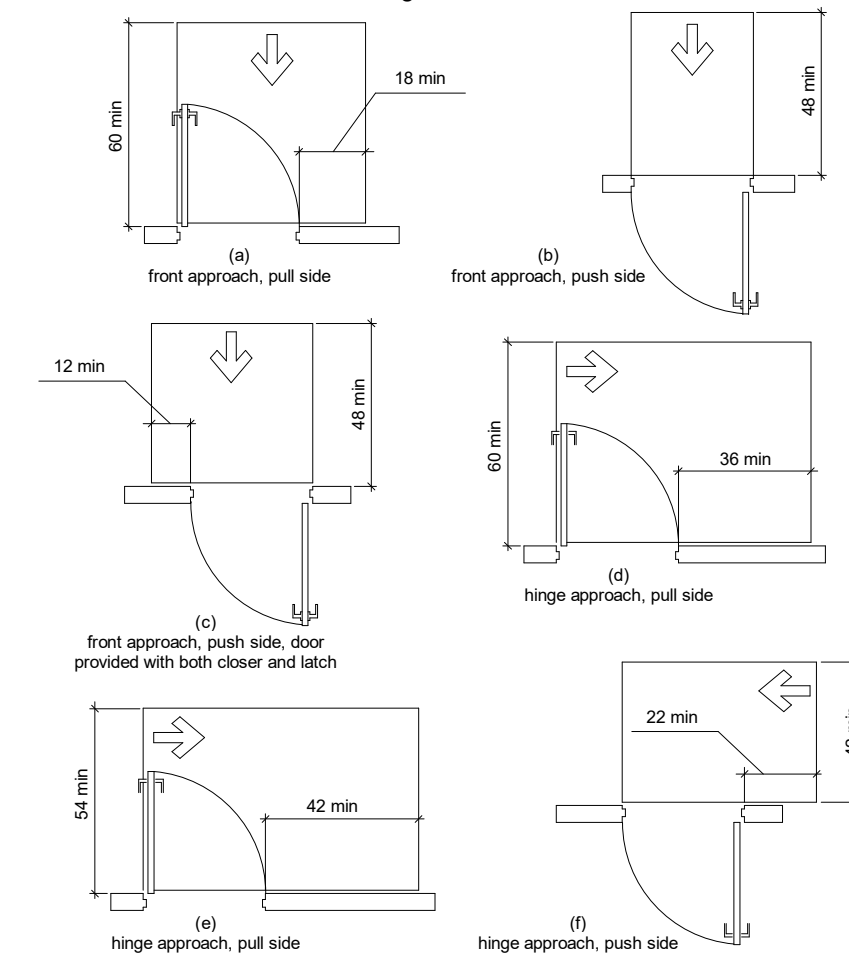


Figure 404.2.4.1 Maneuvering Clearances at Manual Swinging Doors and Gates

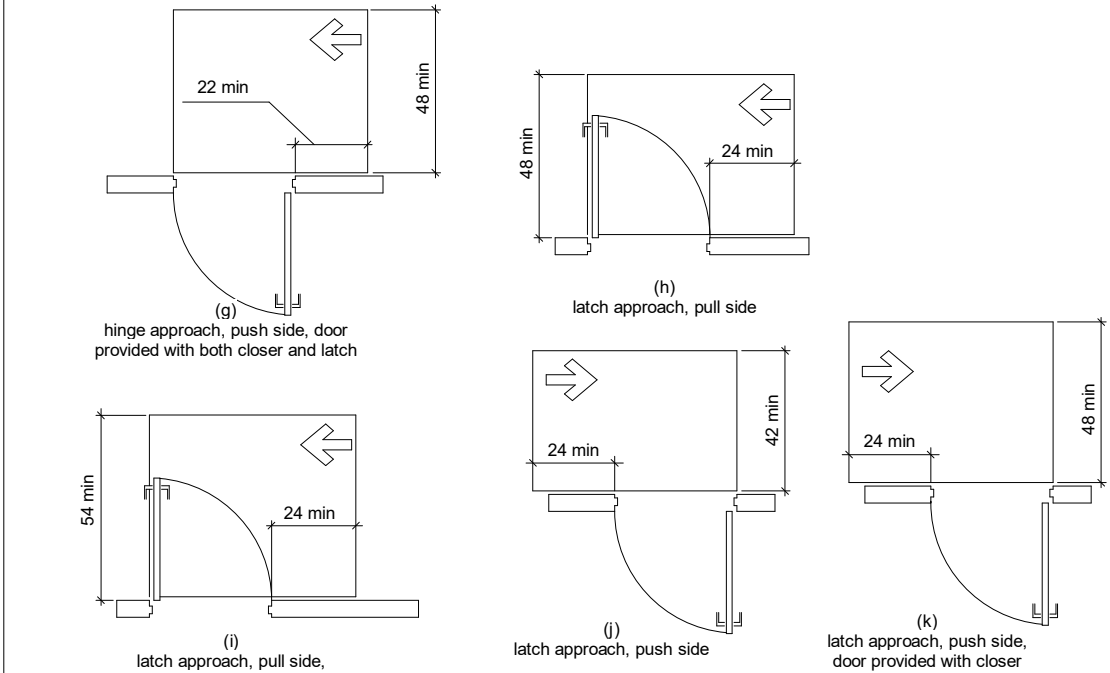


Figure 404.2.4.1 Maneuvering Clearances at Manual Swinging Doors and Gates

404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door or gate.

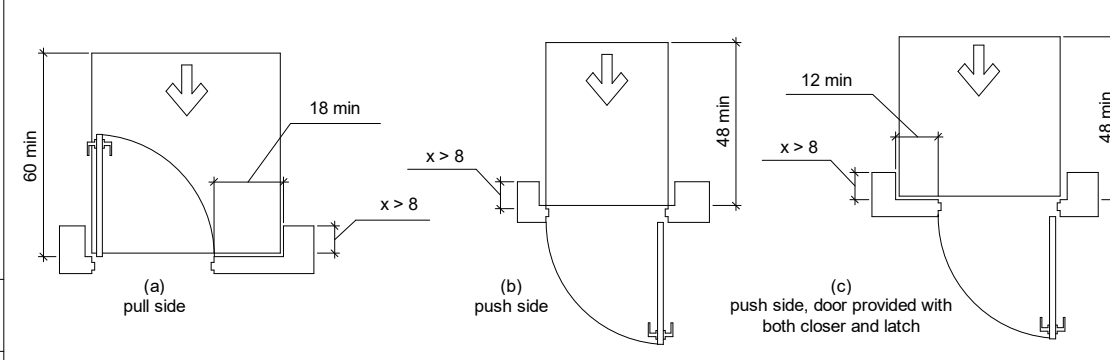


Figure 404.2.4.3 Maneuvering Clearances at Recessed Doors and Gates

404.2.6 Doors in Series and Gates in Series. The distance between two hinged or pivoted doors in series and gates in series shall be 48 inches (1220 mm) minimum plus the width of doors or gates swinging into the space.

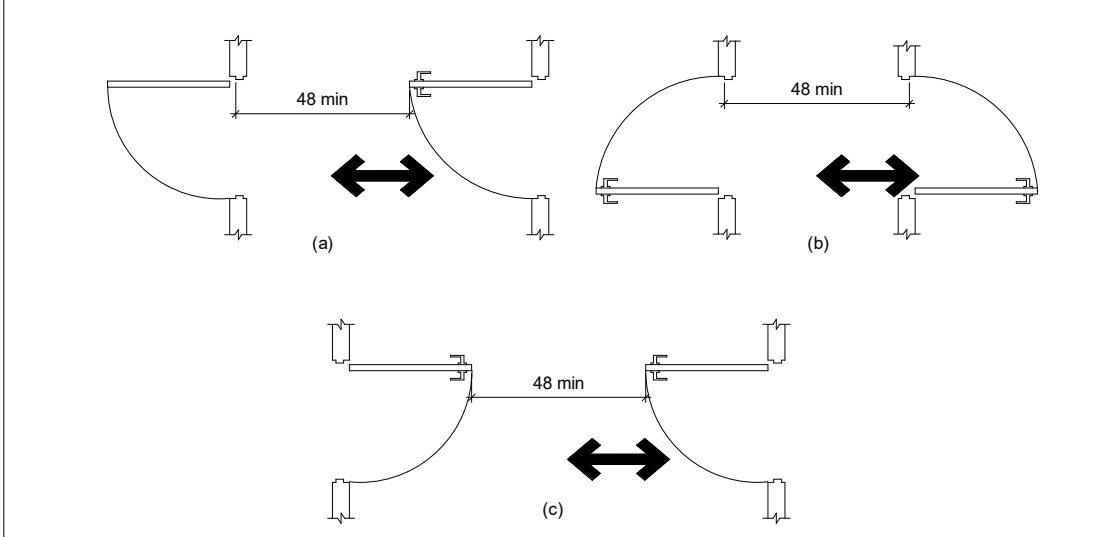


Figure 404.2.6 Doors in Series and Gates in Series

404.2.7 Door and Gate Hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 309.4. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

404.2.8.1 Door Closers and Gate Closers. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

404.2.8.2 Spring Hinges. Door and gate spring hinges shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.

404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:

- Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
- Sliding or folding doors: 5 pounds (22.2 N) maximum.

These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches (1090 mm) maximum above the finish floor.

404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full-powered automatic doors shall comply with ANSI/BHMA A116.10 (incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and power-assisted doors shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).

404.3.2 Maneuvering Clearance. Clearances at power-assisted doors and gates shall comply with 404.2.4. Clearances at automatic doors and gates without standby power and serving an accessible means of egress shall comply with 404.2.4.

404.3.7 Revolving Doors, Revolving Gates, and Turnstiles. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.

Sheet No. A001

EAST BATON ROUGE PARISH  
CITY PROJECT 16-CI-US-0032  
STATE PROJECT XXX-XXX-XXX-XXX

DESIGNED OK CHECKED TK  
DETAILED CP CHECKED TK  
DATE 8/6/2022 SHEET A001

REVISION DESCRIPTION  
DATE  
NO.  
BY



ARCHITECTURAL  
ADA REFERENCE SHEET 1 OF 3  
NORTH TRANSIT CENTER



## CHAPTER 4: ACCESSIBLE ROUTES (cont.)

### 405-Ramps

405.2 Slope. Ramp runs shall have a running slope not steeper than 1:12.

405.3 Cross Slope. Cross slope of ramp runs shall not be steeper than 1:48.

405.5 Clear Width. The clear width of a ramp run and, where handrails are provided, the clear width between handrails shall be 36 inches (915 mm) minimum.

405.6 Rise. The rise for any ramp run shall be 30 inches (760 mm) maximum.

405.7 Landings. Ramps shall have landings at the top and the bottom of each ramp run. Landings shall comply with 405.7.

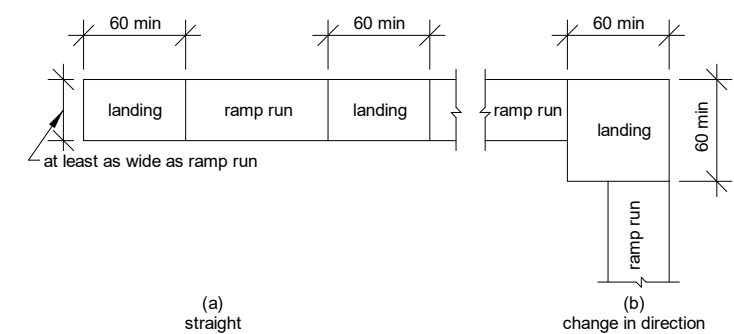


Figure 405.7 Ramp Landings

405.7.1 Slope. Landings shall have slope no steeper than 1:48. Changes in level are not permitted.

405.7.2 Width. The landing clear width shall be at least as wide as the widest ramp run leading to the landing.

405.7.3 Length. The landing clear length shall be 60 inches (1525 mm) long minimum.

405.7.4 Change in Direction. Ramps that change direction between runs at landings shall have a clear landing 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum.

405.7.5 Doorways. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by 404.2.4 and 404.3.2 shall be permitted to overlap the required landing.

405.8 Handrails. Ramp runs with a rise greater than 6 inches (150 mm) shall have handrails complying with 505.

405.9 Edge Protection. Edge protection complying with 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and at each side of ramp landings.

405.9.1 Extended Floor or Ground Surface. The floor or ground surface of the ramp run or landing shall extend 12 inches (305 mm) minimum beyond the inside face of a handrail complying with 505.

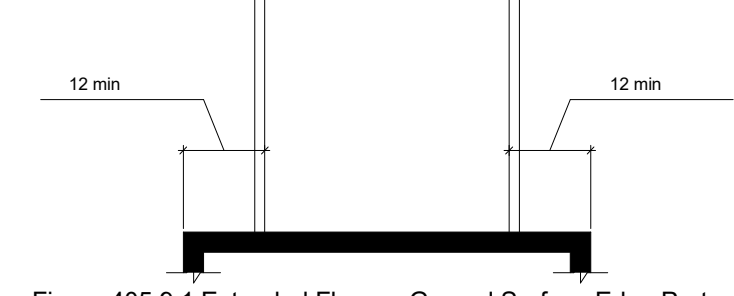


Figure 405.9.1 Extended Floor or Ground Surface Edge Protection

405.9.2 Curb or Barrier. A curb or barrier shall be provided that prevents the passage of a 4 inch (100 mm) diameter sphere, where any portion of the sphere is within 4 inches (100 mm) of the finish floor or ground surface.

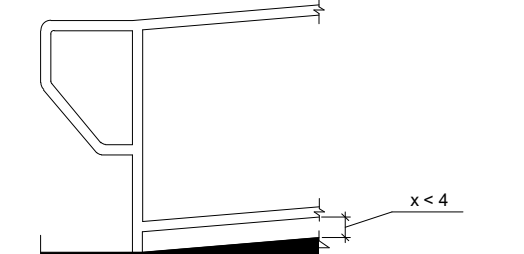


Figure 405.9.2 Curb or Barrier Edge Protection

### 406-Curb Ramps

406.1 General. Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5, and 405.10.

406.2 Counter Slope. Counter slopes of adjoining gutters and road surfaces immediately adjacent to the curb ramp shall not be steeper than 1:20. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.

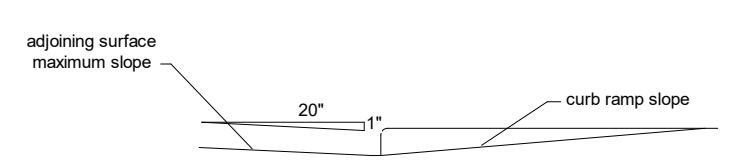


Figure 406.2 Counter Slope of Surfaces Adjacent to Curb Ramps

406.3 Sides of Curb Ramps. Where provided, curb ramp flares shall not be steeper than 1:10.

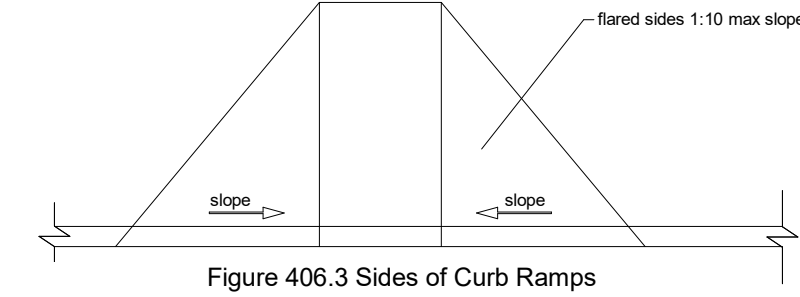


Figure 406.3 Sides of Curb Ramps

406.4 Landings. Landings shall be provided at the tops of curb ramps. The landing clear length shall be 36 inches (915 mm) minimum. The landing clear width shall be at least as wide as the curb ramp, excluding flared sides, leading to the landing.

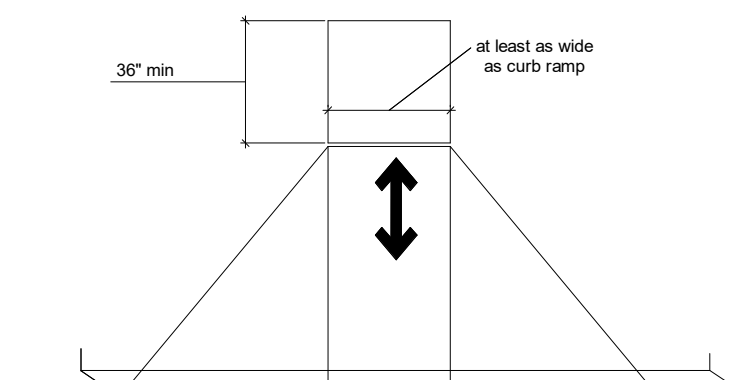


Figure 406.4 Landings at the Top of Curb Ramps

406.5 Location. Curb ramps and the flared sides of curb ramps shall be located so that they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides.

406.6 Diagonal Curb Ramps. Diagonal or corner type curb ramps with returned curbs or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have a clear space 48 inches (1220 mm) minimum outside active traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide the 48 inches (1220 mm) minimum clear space within the markings. Diagonal curb ramps with flared sides shall have a segment of curb 24 inches (610 mm) long minimum located on each side of the curb ramp and within the marked crossing.

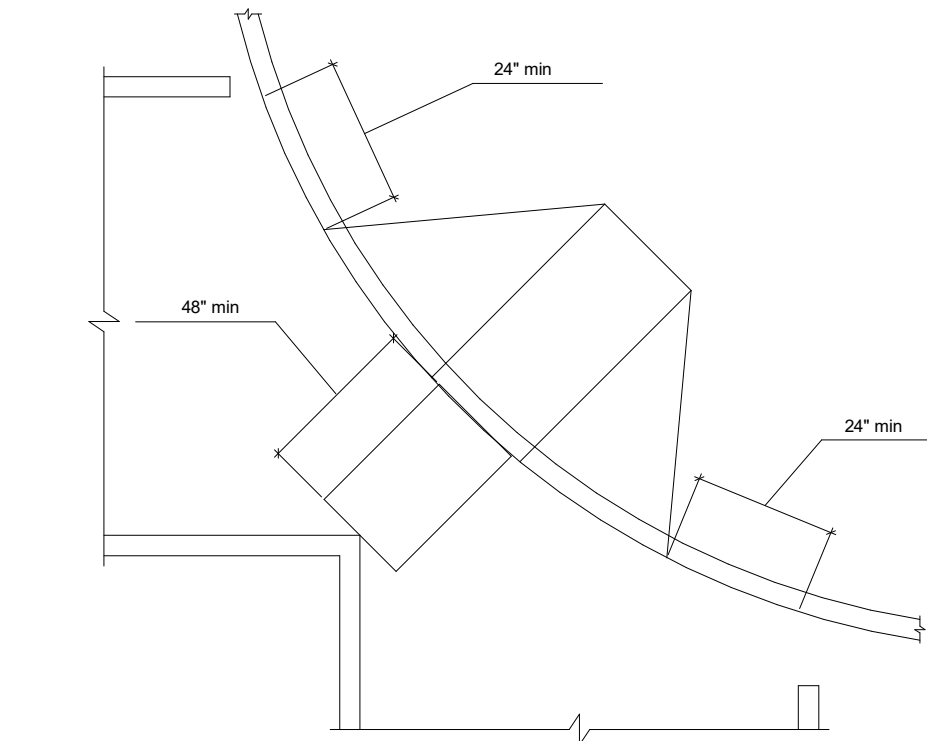


Figure 406.6 Diagonal or Corner Type Curb Ramps

406.7 Islands. Raised islands in crossings shall be cut through level with the street or have curb ramps at both sides. Each curb ramp shall have a level area 48 inches (1220 mm) long minimum by 36 inches (915 mm) wide minimum at the top of the curb ramp in the part of the island intersected by the crossings. Each 48 inch (1220 mm) minimum by 36 inch (915 mm) minimum area shall be oriented so that the 48 inch (1220 mm) minimum length is in the direction of the running slope of the curb ramp it serves. The 48 inch (1220 mm) minimum by 36 inch (915 mm) minimum areas and the accessible route shall be permitted to overlap.

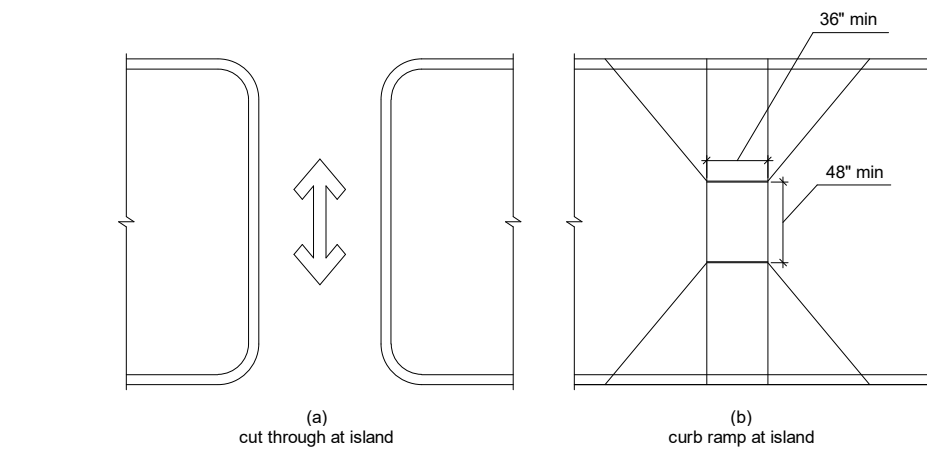


Figure 406.7 Islands in Crossings

### 407-Elevators

407.1 General. Elevators shall comply with 407 and with ASME A17.1 (incorporated by reference, see "Referenced Standards" in Chapter 1). They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.

407.2 Elevator Landing Requirements. Elevator landings shall comply with 407.2.

407.2.1.1 Height. Call buttons and keypads shall be located within one of the reach ranges specified in 308, measured to the centerline of the highest operable part. EXCEPTION: Existing call buttons and existing keypads shall be permitted to be located at 54 inches (1370 mm) maximum above the finish floor, measured to the centerline of the highest operable part.

407.2.1.2 Size. Call buttons shall be 1/4 inch (19 mm) minimum in the smallest dimension. EXCEPTION: Existing elevator call buttons shall not be required to comply with 407.2.1.2.

407.2.1.3 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided at call controls.

407.2.1.4 Location. The call button that designates the up direction shall be located above the call button that designates the down direction. EXCEPTION: Destination-oriented elevators shall not be required to comply with 407.2.1.4.

407.2.1.5 Signals. Call buttons shall have visible signals to indicate when each call is registered and when each call is answered. EXCEPTIONS: 1. Destination-oriented elevators shall not be required to comply with 407.2.1.5 provided that visible and audible signals complying with 407.2.2 indicating which elevator car to enter are provided. 2. Existing elevators shall not be required to comply with 407.2.1.5.

407.2.1.6 Keypads. Where keypads are provided, keypads shall be in a standard telephone keypad arrangement and shall comply with 407.4.7.2.

407.2.2 Hall Signals. Hall signals, including in-car signals, shall comply with 407.2.2.

407.2.2.1 Visible and Audible Signals. A visible and audible signal shall be provided at each hoistway entrance to indicate which car is answering a call and the car's direction of travel. Where in-car signals are provided, they shall be visible from the floor area adjacent to the hall call buttons.

EXCEPTIONS: 1. Visible and audible signals shall not be required at each destination oriented elevator where a visible and audible signal complying with 407.2.2 is provided indicating the elevator car designation information. 2. In existing elevators, a signal indicating the direction of car travel shall not be required.

407.2.2.2 Visible Signals. Visible signal fixtures shall be centered at 72 inches (1830 mm) minimum above the finish floor or ground. The visible signal elements shall be 2-1/2 inches (64 mm) minimum measured along the vertical centerline of the element. Signals shall be visible from the floor area adjacent to the hall call button.

EXCEPTIONS: 1. Destination-oriented elevators shall be permitted to have signals visible from the floor area adjacent to the hoistway entrance. 2. Existing elevators shall not be required to comply with 407.2.2.2.

407.3.1 Type. Elevator doors shall be the horizontal sliding type. Car gates shall be prohibited.

407.3.2 Operation. Elevator hoistway and car doors shall open and close automatically. EXCEPTION: Existing manually operated hoistway swing doors shall be permitted provided that they comply with 404.2.3 and 404.2.9. Car door closing shall not be initiated until the hoistway door is closed.

407.3.3 Reopening Device. Elevator doors shall be provided with a reopening device complying with 407.3.3 that shall stop and reopen a car door and hoistway door automatically if the door becomes obstructed by an object or person. EXCEPTION: Existing elevators with manually operated doors shall not be required to comply with 407.3.3.

407.3.3.1 Height. The device shall be actuated by sensing an obstruction passing through the opening at 5 inches (125 mm) nominal and 29 inches (735 mm) nominal above the finish floor.

407.4.1 Car Dimensions. Inside dimensions of elevator cars and clear width of elevator doors shall comply with Table 407.4.1. EXCEPTION: Existing elevator car configurations that provide a clear floor area of 16 square feet (1.5 m<sup>2</sup>) minimum and also provide an inside clear depth 54 inches (1370 mm) minimum and a clear width 36 inches (915 mm) minimum shall be permitted.

Table 407.4.1 Elevator Car Dimensions

Door Location	Minimum Dimensions			
	Door Clear Width	Inside Car, Side to Side	Inside Car, Back Wall to Front Return	Inside Car, Back Wall to Inside Face of Door
Centered	42 inches	80 inches	51 inches	54 inches
Side (off-centered)	36 inches <sup>1</sup>	68 inches	51 inches	54 inches
Any	36 inches <sup>1</sup>	54 inches	80 inches	80 inches
Any	36 inches <sup>1</sup>	60 inches <sup>2</sup>	60 inches <sup>2</sup>	60 inches <sup>2</sup>

- A tolerance of minus 5/8 inch is permitted.
- Other car configurations that provide a turning space complying with 304 with the door closed shall be permitted.

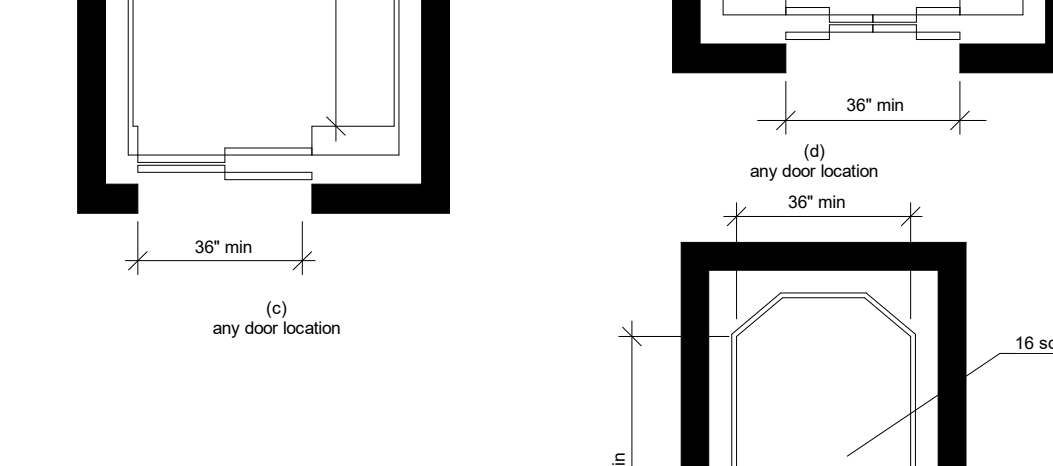
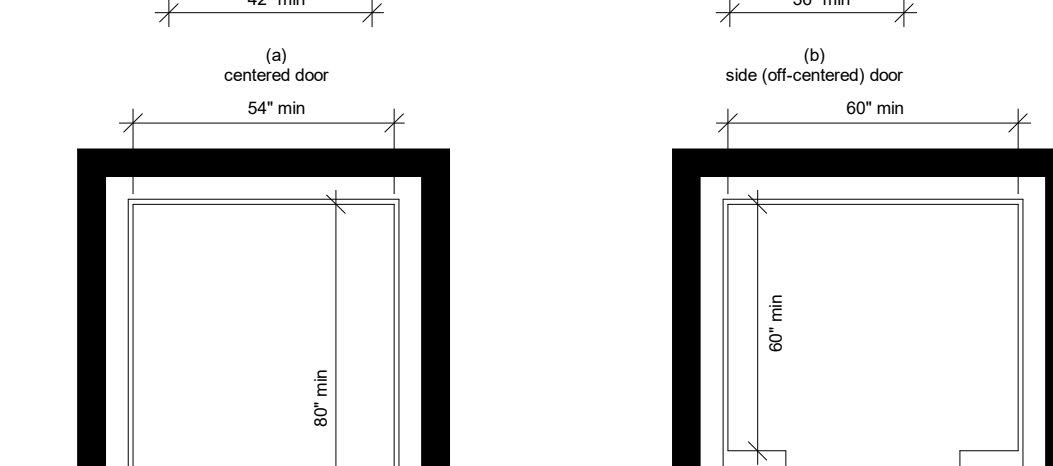
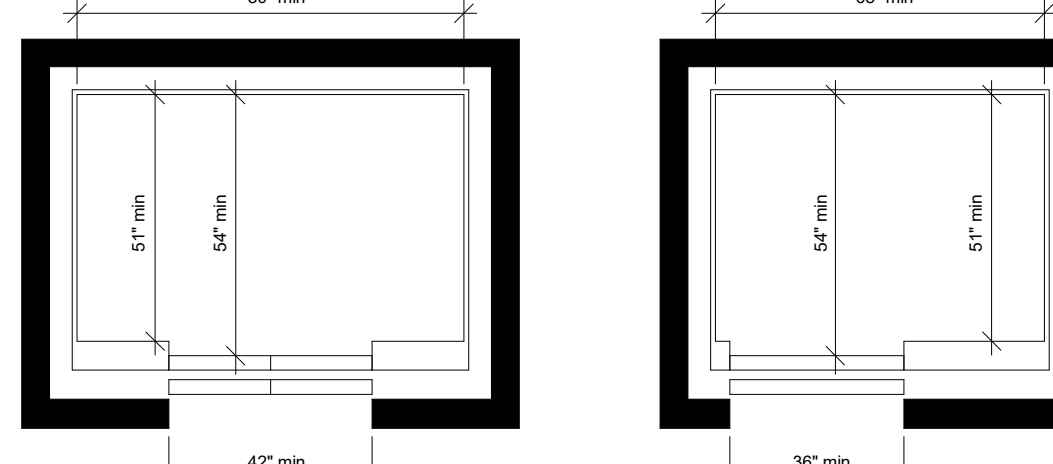


Figure 407.4.1 Elevator Car Dimensions

407.4.3 Platform to Hoistway Clearance. The clearance between the car platform sill and the edge of any hoistway landing shall be 1/4 inch (32 mm) maximum.

407.4.4 Leveling. Each car shall be equipped with a self-leveling feature that will automatically bring and maintain the car at floor landings within a tolerance of 1/8 inch (3 mm) under rated loading to zero loading conditions.

407.4.6 Elevator Car Controls. Where provided, elevator car controls shall comply with 407.4.6 and 309.4. EXCEPTION: In existing elevators, where a new car operating panel complying with 407.4.6 is provided, existing car operating panels shall not be required to comply with 407.4.6.

407.4.6.1 Location. Controls shall be located within one of the reach ranges specified in 308. EXCEPTIONS: 1. Where the elevator panel serves more than 16 openings and a parallel approach is provided, buttons with floor designations shall be permitted to be 54 inches (1370 mm) maximum above the finish floor. 2. In existing elevators, car control buttons with floor designations shall be permitted to be located 54 inches (1370 mm) maximum above the finish floor where a parallel approach is provided. 407.4.6.2 Buttons. Car control buttons with floor designations shall comply with 407.4.6.2 and shall be raised or flush. EXCEPTION: In existing elevators, buttons shall be permitted to be recessed.

407.4.6.2.1 Size. Buttons shall be 3/4 inch (19 mm) minimum in their smallest dimension.

407.4.6.4.1 Height. Emergency control buttons shall have their centerlines 35 inches (890 mm) minimum above the finish floor.

407.4.6.4.2 Location. Emergency controls, including the emergency alarm, shall be grouped at the bottom of the panel.

407.4.7.1.1 Type. Control buttons shall be identified by tactile characters complying with 703.2.

407.4.7.1.2 Location. Raised character and braille designations shall be placed immediately to the left of the control button to which the designations apply. EXCEPTION: Where space on an existing car operating panel precludes tactile markings to the left of the controls, markings shall be placed as near to the control as possible.

407.4.7.2 Keypads. Keypads shall be identified by characters complying with 703.5 and shall be centered on the corresponding keypad button. The number five key shall have a single raised dot. The dot shall be 0.118 inch (3 mm) to 0.120 inch (3.05 mm) base diameter and in other aspects comply with Table 703.3.1.

407.4.8 Car Position Indicators. Audible and visible car position indicators shall be provided in elevator cars.

407.4.8.1 Visible Indicators. Visible indicators shall comply with 407.4.8.1.

407.4.8.1.1 Size. Characters shall be 1/2 inch (13 mm) high minimum.

407.4.8.1.2 Location. Indicators shall be located above the car control panel or above the door.

407.4.8.1.3 Floor Arrival. As the car passes a floor and when a car stops at a floor served by the elevator, the corresponding character shall illuminate. EXCEPTION: Destination-oriented elevators shall not be required to comply with 407.4.8.1.3 provided that the visible indicators extinguish when the call has been answered.

407.4.8.1.4 Destination Indicator. In destination-oriented elevators, a display shall be provided in the car with visible indicators to show car destinations.

### 410-Platform Lifts

410.1 General. Platform lifts shall comply with ASME A18.1 (1999 edition or 2003 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). Platform lifts shall not be attendant-operated and shall provide unassisted entry and exit from the lift.

410.2 Floor Surfaces. Floor surfaces in platform lifts shall comply with 302 and 303.

410.3 Clear Floor Space. Clear floor space in platform lifts shall comply with 305.

410.4 Platform to Runway Clearance. The clearance between the platform sill and the edge of any runway landing shall be 1/4 inch (32 mm) maximum.

410.5 Operable Parts. Controls for platform lifts shall comply with 309.

410.6 Doors and Gates. Platform lifts shall have low-energy power-operated doors or gates complying with 404.3. Doors shall remain open for 20 seconds minimum. End doors and gates shall provide a clear width 32 inches (815 mm) minimum. Side doors and gates shall provide a clear width 42 inches (1065 mm) minimum. EXCEPTION: Platform lifts serving two landings maximum and having doors or gates on opposite sides shall be permitted to have self-closing manual doors or gates.

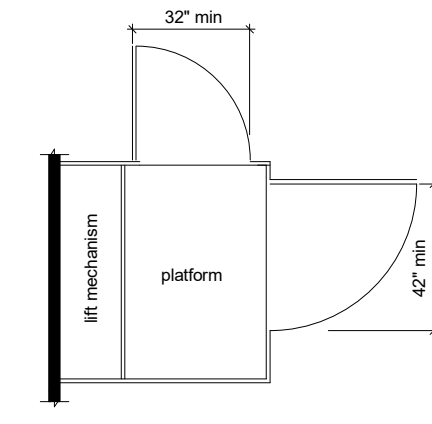


Figure 410.6 Platform Lift Doors and Gates

## CHAPTER 5: GENERAL SITE AND BUILDING ELEMENTS

### 502-Parking Spaces

502.1 General. Car and van parking spaces shall comply with 502. Where parking spaces are marked with lines, width measurements of parking spaces and access aisles shall be made from the centerline of the markings. EXCEPTION: Where parking spaces or access aisles are not adjacent to another parking space or access aisle, measurements shall be permitted to include the full width of the line defining the parking space or access aisle.

502.2 Vehicle Spaces. Car parking spaces shall be 96 inches (2440 mm) wide minimum and van parking spaces shall be 132 inches (3350 mm) wide minimum, shall be marked to define the width, and shall have an adjacent access aisle complying with 502.3. EXCEPTION: Van parking spaces shall be permitted to be 96 inches (2440 mm) wide minimum where the access aisle is 96 inches (2440 mm) wide minimum.

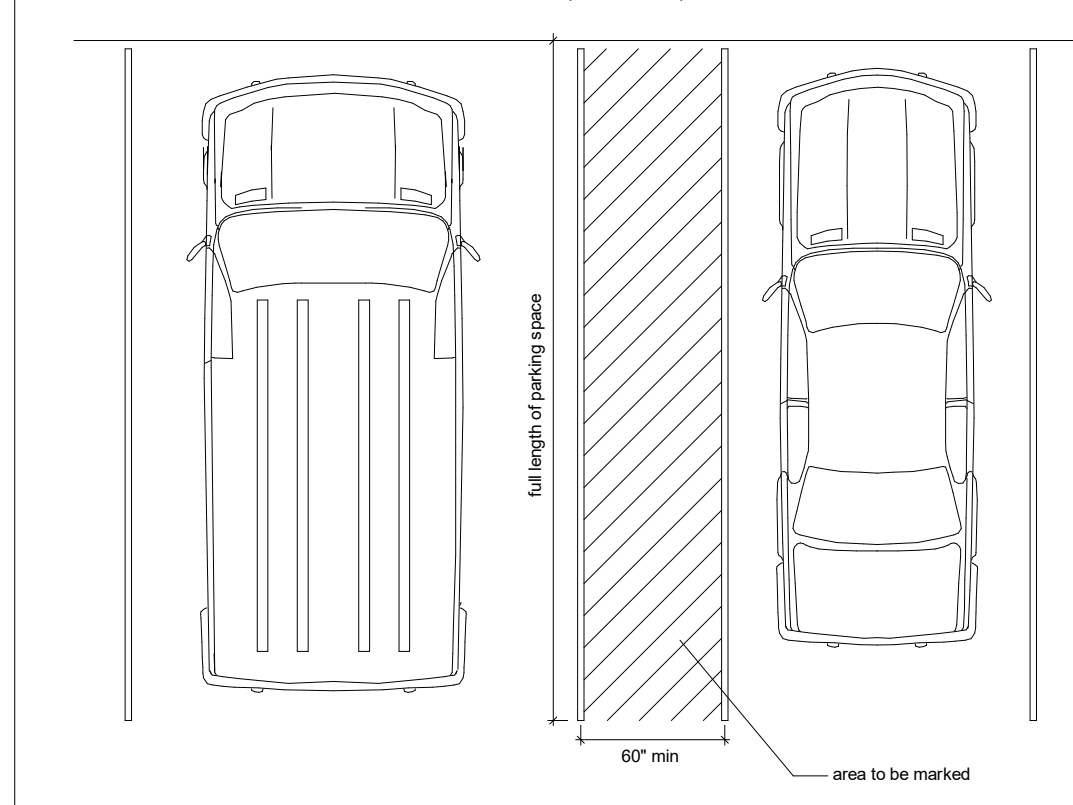


Figure 502.2 Vehicle Parking Spaces

502.3 Access Aisle. Access aisles serving parking spaces shall comply with 502.3. Access aisles shall adjoin an accessible route. Two parking spaces shall be permitted to share a common access aisle.

502.3.1 Width. Access aisles serving car and van parking spaces shall be 60 inches (1525 mm) wide minimum.

502.3.2 Length. Access aisles shall extend the full length of the parking spaces they serve.

502.3.3 Marking. Access aisles shall be marked so as to discourage parking in them.

502.3.4 Location. Access aisles shall not overlap the vehicular way. Access aisles shall be permitted to be placed on either side of the parking space except for angled van parking spaces which shall have access aisles located on the passenger side of the parking spaces.

502.4 Floor or Ground Surfaces. Parking spaces and access aisles serving them shall comply with 302. Access aisles shall be at the same level as the parking spaces they serve. Changes in level are not permitted. EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

502.5 Vertical Clearance. Parking spaces for vans and access aisles and vehicular routes serving them shall provide a vertical clearance of 98 inches (2490 mm) minimum.

502.6 Identification. Parking space identification signs shall include the International Symbol of Accessibility complying with 703.2.1. Signs identifying van parking spaces shall contain the designation "van accessible." Signs shall be 60 inches (1525 mm) minimum above the finish floor or ground surface measured to the bottom of the sign.

502.7 Relationship to Accessible Routes. Parking spaces and access aisles shall be designed so that cars and vans, when parked, cannot obstruct the required clear width of adjacent accessible routes.

### 504-Stairways

504.1 General. Stairs shall comply with 504.

504.2 Treads and Risers. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches (100 mm) high minimum and 7 inches (180 mm) high maximum. Treads shall be 11 inches (280 mm) deep minimum.

504.3 Open Risers. Open risers are not permitted.

504.4 Tread Surface. Stair treads shall comply with 302. Changes in level are not permitted. EXCEPTION: Treads shall be permitted to have a slope not steeper than 1:48.

504.5 Nosings. The radius of curvature at the leading edge of the tread shall be 1/2 inch (13 mm) maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1 1/2 inches (38 mm) maximum over the tread below.

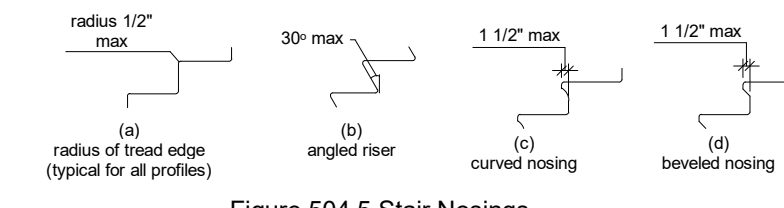


Figure 504.5 Stair Nosings

504.6 Handrails. Stairs shall have handrails complying with 505.

504.7 Wet Conditions. Stair treads and landings subject to wet conditions shall be designed to prevent the accumulation of water.

### 505-Railings

505.1 General. Handrails provided along walking surfaces complying with 403, required at ramps complying with 405, and required at stairs complying with 504 shall comply with 505.

Advisory 505.1 General. Handrails are required on ramp runs with a rise greater than 6 inches (150 mm) (see 405.8) and on certain stairways (see 504). Handrails are not required on walking surfaces with running slopes less than 1:20. However, handrails are required to comply with 505 when they are provided on walking surfaces with running slopes less than 1:20 (see 403.6). Sections 505.2, 505.3, and 505.10 do not apply to handrails provided on walking surfaces with running slopes less than 1:20 as these sections only reference requirements for ramps and stairs.

505.2 Where Required. Handrails shall be provided on both sides of stairs and ramps.

505.3 Continuity. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs.

505.4 Height. Top of gripping surfaces of handrails shall be 34 inches (865 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.

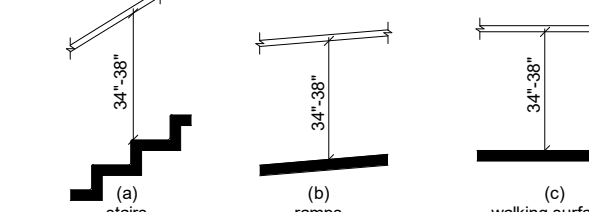


Figure 505.4 Handrail Height

505.5 Clearance. Clearance between handrail gripping surfaces and adjacent surfaces shall be 2 1/4 inches (57 mm) minimum.

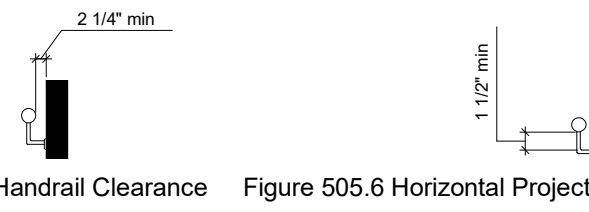


Figure 505.5 Handrail Clearance Figure 505.6 Horizontal Projections Below Gripping Surface

505.6 Gripping Surface. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections shall occur 1 1/2 inches (38 mm) minimum below the bottom of the handrail gripping surface.

505.7.1 Circular Cross Section. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.

505.7.2 Non-Circular Cross Sections. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches (100 mm) minimum and 6 1/4 inches (160 mm) maximum, and a cross-section dimension of 2 1/4 inches (57 mm) maximum.

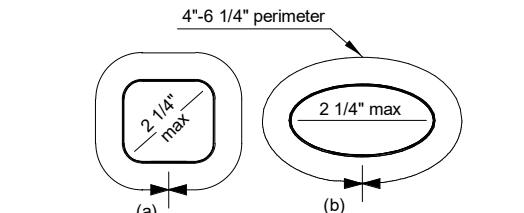


Figure 505.7.2 Handrail Non-Circular Cross Section

505.8 Surfaces. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges.

505.9 Fittings. Handrails shall not rotate within their fittings.

505.10 Handrail Extensions. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramp runs in accordance with 505.10.

505.10.1 Top and Bottom Extension at Ramps. Ramp handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run.

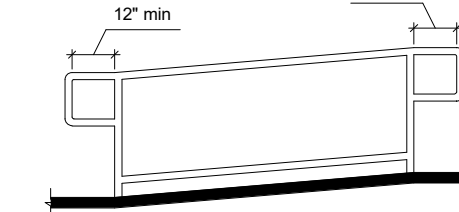


Figure 505.10.1 Top and Bottom Handrail Extension at Ramps

505.10.2 Top Extension at Stairs. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

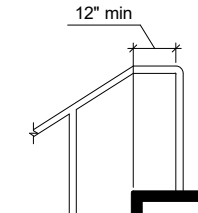


Figure 505.10.2 Top Handrail Extension at Stairs

505.10.3 Bottom Handrail Extension at Stairs. At the bottom of a stair flight for a horizontal distance at least equal to the nosing. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.



Figure 505.10.3 Bottom Handrail Extension at Stairs

Sheet No: A002

EAST BATON ROUGE PARISH

CITY PROJECT: 16-CI-US-0032

PARISH PROJECT: XXX-XXX-XXX-XXX

DESIGNED BY: OK

CHECKED BY: TK

DATE: 8/8/2022

REVISION DESCRIPTION: BY

NO.

DATE

ARCHITECTURAL

ADA REFERENCE SHEET 2 OF 3

NORTH TRANSIT CENTER

BR

CITY OF BATON ROUGE

REGISTERED ARCHITECT

HNTB

# CHAPTER 6: PLUMBING ELEMENTS AND FACILITIES

## 602-Drinking Fountains

602.1 General. Drinking fountains shall comply with 307 and 602.

602.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided.

EXCEPTION: A parallel approach complying with 305 shall be permitted at units for children's use where the spout is 30 inches (760 mm) maximum above the finish floor or ground and is 3½ inches (90 mm) maximum from the front edge of the unit, including bumpers.

602.3 Operable Parts. Operable parts shall comply with 309.

602.4 Spout Height. Spout outlets shall be 36 inches (915 mm) maximum above the finish floor or ground.

602.5 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) maximum from the front edge of the unit, including bumpers.

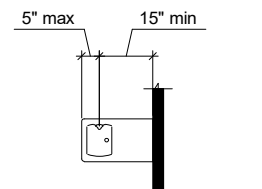


Figure 602.5 Drinking Fountain Spout Location

602.7 Drinking Fountains for Standing Persons. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the finish floor or ground.

## 603-Toilet and Bathing Rooms

603.2 Clearances. Clearances shall comply with 603.2.

603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room.

603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.

603.2.3 Door Swing. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.

603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.

Advisory 603.3 Mirrors. A single full-length mirror can accommodate a greater number of people, including children. In order for mirrors to be usable by people who are ambulatory and people who use wheelchairs, the top edge of mirrors should be 74 inches (1880 mm) minimum from the floor or ground.

603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

## 604-Water Closets and Toilet Compartments

604.1 General. Water closets and toilet compartments shall comply with 604.2 through 604.8. EXCEPTION: Water closets and toilet compartments for children's use shall be permitted to comply with 604.9.

604.2 Location. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.

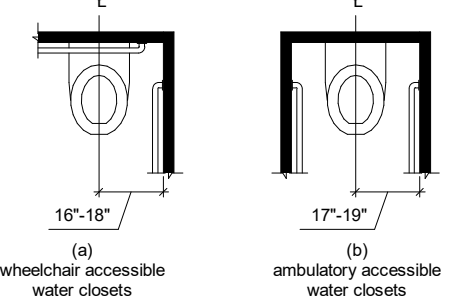


Figure 604.2 Water Closet Location

604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.

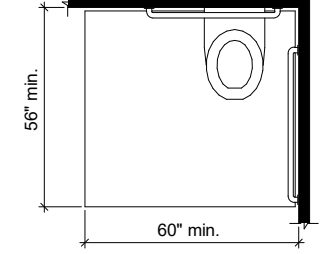


Figure 604.3.1 Size of Clearance at Water Closets

604.3.2 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance.

EXCEPTION: In residential dwelling units, a lavatory complying with 606 shall be permitted on the rear wall 18 inches (455 mm) minimum from the water closet centerline where the clearance at the water closet is 66 inches (1675 mm) minimum measured perpendicular from the rear wall.

604.4 Seats. The seat height of a water closet above the finish floor shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

EXCEPTIONS: 1. A water closet in a toilet room for a single occupant accessed only through a private office and not for common use or public use shall be required to comply with 604.4. 2. In residential dwelling units, the height of water closets shall be permitted to be 15 inches (380 mm) minimum and 19 inches (485 mm) maximum above the finish floor measured to the top of the seat.

604.5 Grab Bars. Grab bars for water closets shall comply with 609. Grab bars shall be provided on the side wall closest to the water closet and on the rear wall.

EXCEPTIONS: 1. Grab bars shall not be required to be installed in a toilet room for a single occupant accessed only through a private office and not for common use or public use provided that reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with 604.5. 2. In residential dwelling units, grab bars shall not be required to be installed in toilet or bathrooms provided that reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with 604.5. 3. In detention or correction facilities, grab bars shall not be required to be installed in housing or holding cells that are specially designed without protrusions for purposes of suicide prevention.

604.5.1 Side Wall. The side wall grab bar shall be 42 inches (1065 mm) long minimum, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall.

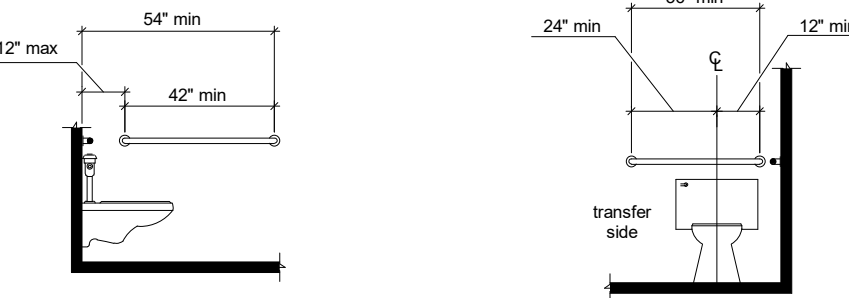


Figure 604.5.1 Side Wall Grab Bar at Water Closets & Figure 604.5.2 Rear Wall Grab Bar at Water Closets

604.5.2 Rear Wall. The rear wall grab bar shall be 36 inches (915 mm) long minimum and extend from the centerline of the water closet 12 inches (305 mm) minimum on one side and 24 inches (610 mm) minimum on the other side.

EXCEPTIONS: 1. The rear grab bar shall be permitted to be 24 inches (610 mm) long minimum, centered on the water closet, where wall space does not permit a length of 36 inches (915 mm) minimum due to the location of a recessed fixture adjacent to the water closet. 2. Where an administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, then the rear grab bar shall be permitted to be split or shifted to the open side of the toilet area.

604.7 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

Advisory 604.7 Dispensers. If toilet paper dispensers are installed above the side wall grab bar, the outlet of the toilet paper dispenser must be 48 inches (1220 mm) maximum above the finish floor and the top of the gripping surface of the grab bar must be 33 inches (840 mm) minimum and 36 inches (915 mm) maximum above the finish floor.

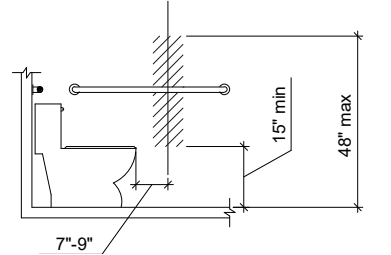


Figure 604.7 Dispenser Outlet Location

604.8 Toilet Compartments. Wheelchair accessible toilet compartments shall meet the requirements of 604.8.1 and 604.8.3. Compartments containing more than one plumbing fixture shall comply with 603. Ambulatory accessible compartments shall comply with 604.8.2 and 604.8.3.

604.8.1 Wheelchair Accessible Compartments. Wheelchair accessible compartments shall comply with 604.8.1.

604.8.1.1 Size. Wheelchair accessible compartments shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 56 inches (1420 mm) deep minimum for wall hung water closets and 59 inches (1500 mm) deep minimum for floor mounted water closets measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 59 inches (1500 mm) deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall.

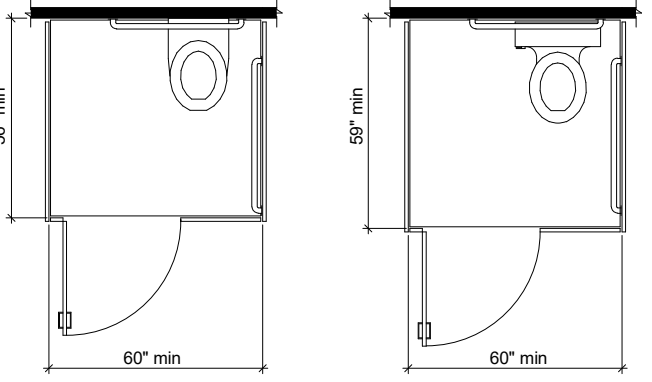


Figure 604.8.1.1 Size of Wheelchair Accessible Toilet Compartment

604.8.1.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404 except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4 inches (100 mm) maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches (100 mm) maximum from the front partition. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

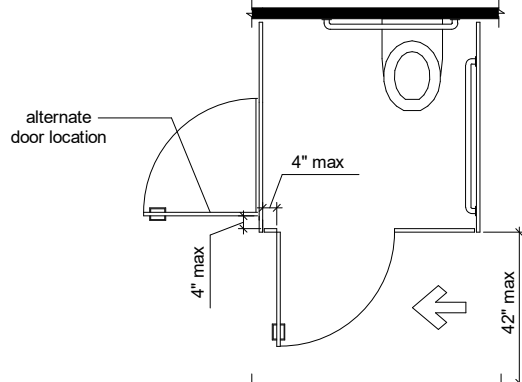


Figure 604.8.1.2 Wheelchair Accessible Toilet Compartment Doors

604.8.1.3 Approach. Compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.8.1.4 Toe Clearance. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the finish floor and 6 inches (150 mm) deep minimum beyond the compartment-side face of the partition, exclusive of partition support members. Compartments for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the finish floor.

EXCEPTION: Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) deep with a floor-mounted water closet. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) wide. Toe clearance at the front partition is not required in a compartment for children's use that is greater than 65 inches (1650 mm) deep.

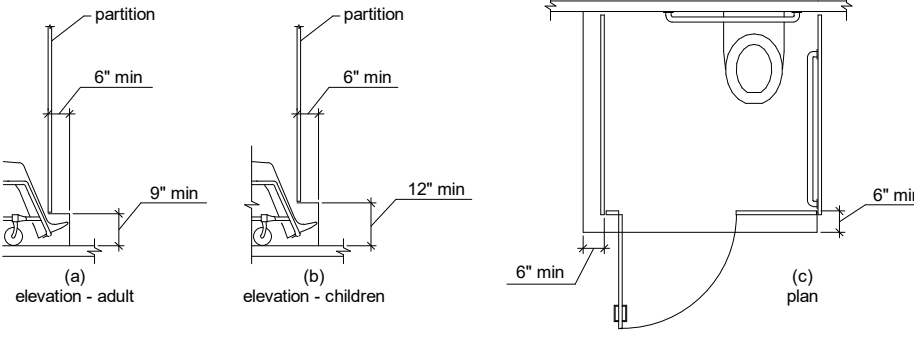


Figure 604.8.1.4 Wheelchair Accessible Toilet Compartment Toe Clearance

604.8.1.5 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided and shall be located on the wall closest to the water closet. In addition, a rear-wall grab bar complying with 604.5.2 shall be provided.

604.8.2 Ambulatory Accessible Compartments. Ambulatory accessible compartments shall comply with 604.8.2.

604.8.2.1 Size. Ambulatory accessible compartments shall have a depth of 60 inches (1525 mm) minimum and a width of 35 inches (890 mm) minimum and 37 inches (940 mm) maximum.

604.8.2.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404, except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

604.8.2.3 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided on both sides of the compartment.

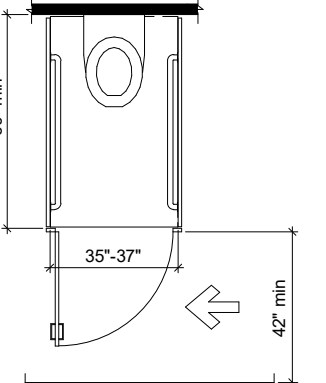


Figure 604.8.2 Ambulatory Accessible Toilet Compartment

604.8.3 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604.9 Water Closets and Toilet Compartments for Children's Use. Water closets and toilet compartments for children's use shall comply with 604.9.

604.9.1 Location. The water closet shall be located with a wall or partition to the rear and to one side. The centerline of the water closet shall be 12 inches (305 mm) minimum and 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.9.2 Clearance. Clearance around a water closet shall comply with 604.3.

604.9.3 Height. The height of water closets shall be 11 inches (280 mm) minimum and 17 inches (430 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.9.4 Grab Bars. Grab bars for water closets shall comply with 604.5.

604.9.5 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.2 and 309.4 and shall be installed 36 inches (915 mm) maximum above the finish floor. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with 604.8.2.

604.9.6 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 14 inches (355 mm) minimum and 19 inches (485 mm) maximum above the finish floor. There shall be a clearance of 1½ inches (38 mm) minimum below the grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

## 605-Urinals

605.2 Height and Depth. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (430 mm) maximum above the finish floor or ground. Urinals shall be 13½ inches (345 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.

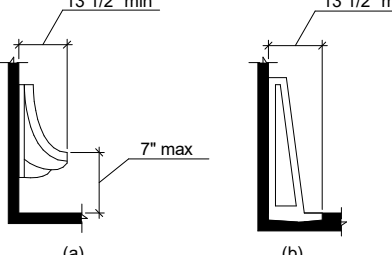


Figure 605.2 Height and Depth of Urinals

605.3 Clear Floor Space. A clear floor or ground space complying with 305 positioned for forward approach shall be provided.

605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.

## 606-Lavatories and Sinks

606.2 Clear Floor Space. A clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided.

EXCEPTIONS: 1. A parallel approach complying with 305 shall be permitted to a kitchen sink in a space where a cook top or conventional range is not provided and to wet bars. 2. A lavatory in a toilet room or bathing facility for a single occupant accessed only through a private office and not for common use or public use shall not be required to provide knee and toe clearance complying with 306. 3. In residential dwelling units, cabinetry shall be permitted under lavatories and kitchen sinks provided that all of the following conditions are met: (a) the cabinetry can be removed without removal or replacement of the fixture; (b) the finish floor extends under the cabinetry; and (c) the walls behind and surrounding the cabinetry are finished. 4. A knee clearance of 24 inches (610 mm) minimum above the finish floor or ground shall be permitted at lavatories and sinks used primarily by children 6 through 12 years where the rim or counter surface is 31 inches (785 mm) maximum above the finish floor or ground. 5. A parallel approach complying with 305 shall be permitted to lavatories and sinks used primarily by children 5 years and younger. 6. The dip of the overflow shall not be considered in determining knee and toe clearances. 7. No more than one bowl of a multi-bowl sink shall be required to provide knee and toe clearance complying with 306.

606.3 Height. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches (865 mm) maximum above the finish floor or ground.

EXCEPTIONS: 1. A lavatory in a toilet or bathing facility for a single occupant accessed only through a private office and not for common use or public use shall not be required to comply with 606.3. 2. In residential dwelling unit kitchens, sinks that are adjustable to variable heights, 29 inches (735 mm) minimum and 36 inches (915 mm) maximum, shall be permitted where rough-in plumbing permits connections of supply and drain pipes for sinks mounted at the height of 29 inches (735 mm).

606.4 Faucets. Controls for faucets shall comply with 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

606.5 Exposed Pipes and Surfaces. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

## 607-Bathtubs

607.2 Clearance. Clearance in front of bathtubs shall extend the length of the bathtub and shall be 30 inches (760 mm) wide minimum. A lavatory complying with 606 shall be permitted at the control end of the clearance. Where a permanent seat is provided at the head end of the bathtub, the clearance shall extend 12 inches (305 mm) minimum beyond the wall at the head end of the bathtub.

607.3 Seat. A permanent seat at the head end of the bathtub or a removable in-tub seat shall be provided. Seats shall comply with 610.

607.4 Grab Bars. Grab bars for bathtubs shall comply with 609 and shall be provided in accordance with 607.4.1 or 607.4.2.

## 608-Shower Compartments

608.2 Size and Clearances for Shower Compartments. Shower compartments shall have sizes and clearances complying with 608.2.

608.2.1 Transfer Type Shower Compartments. Transfer type shower compartments shall be 36 inches (915 mm) by 36 inches (915 mm) clear inside dimensions measured at the center points of opposing sides and shall have a 36 inch (915 mm) wide minimum entry on the face of the showercompartment. Clearance of 36 inches (915 mm) wide minimum by 48 inches (1220 mm) long minimum measured from the control wall shall be provided.

608.2.2 Standard Roll-In Type Shower Compartments. Standard roll-in type shower compartments shall be 30 inches (760 mm) wide minimum by 60 inches (1525 mm) deep minimum clear inside dimensions measured at center points of opposing sides and shall have a 60 inches (1525 mm) wide minimum entry on the face of the shower compartment.

608.2.2.1 Clearance. A 30 inch (760 mm) wide minimum by 60 inch (1525 mm) long minimum clearance shall be provided adjacent to the open face of the shower compartment. EXCEPTION: A lavatory complying with 606 shall be permitted on one 30 inch (760 mm) wide minimum side of the clearance provided that it is not on the side of the clearance adjacent to the controls or, where provided, not on the side of the clearance adjacent to the shower seat.

608.2.3 Alternate Roll-In Type Shower Compartments. Alternate roll-in type shower compartments shall be 36 inches (915 mm) wide and 60 inches (1525 mm) deep minimum clear inside dimensions measured at center points of opposing sides. A 36 inch (915 mm) wide minimum entry shall be provided at one end of the long side of the compartment.

608.3 Grab Bars. Grab bars shall comply with 609 and shall be provided in accordance with 608.3. Where multiple grab bars are used, required horizontal grab bars shall be installed at the same height above the finish floor.

## 609-Grab Bars

609.2 Clearance. Clearance around a water closet shall comply with 604.3.

609.3 Height. The height of water closets shall be 11 inches (280 mm) minimum and 17 inches (430 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

609.4 Grab Bars. Grab bars for water closets shall comply with 604.5.

609.5 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.2 and 309.4 and shall be installed 36 inches (915 mm) maximum above the finish floor. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with 604.8.2.

609.6 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 14 inches (355 mm) minimum and 19 inches (485 mm) maximum above the finish floor. There shall be a clearance of 1½ inches (38 mm) minimum below the grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

# CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

## 703-Signs

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

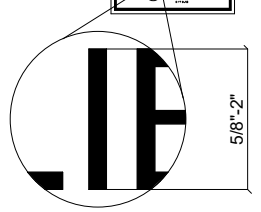


Figure 703.2.5 Height of Raised Characters

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

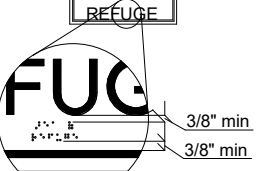


Figure 703.3.2 Position of Braille

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

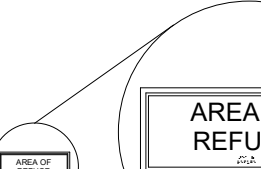


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leaves, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

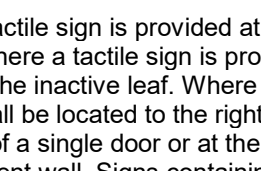


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

703.5.6 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

703.5.9 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

703.6.2 Finish and Contrast. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field.

703.6.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 703.2, 703.3 and 703.4.

703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7.

703.7.1 Finish and Contrast. Symbols of accessibility and their background shall have a non-glare finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark background or a dark symbol on a light background.

## 705-Detectable Warnings

705.1 General. Detectable warnings shall consist of a surface of truncated domes and shall comply with 705.

705.1.1 Dome Size. Truncated domes in a detectable warning surface shall have a base diameter of 0.9 inch (23 mm) minimum and 1.4 inches (36 mm) maximum, a top diameter of 50 percent of the base diameter minimum to 65 percent of the base diameter maximum, and a height of 0.2 inch (5.1 mm).

705.1.2 Dome Spacing. Truncated domes in a detectable warning surface shall have a center-to-center spacing of 1.6 inches (41 mm) minimum and 2.4 inches (61 mm) maximum, and a base-to-base spacing of 0.65 inch (17 mm) minimum, measured between the most adjacent domes on a square grid.

705.1.3 Contrast. Detectable warning surfaces shall contrast visually with adjacent walking surfaces either light-on-dark, or dark-on-light.

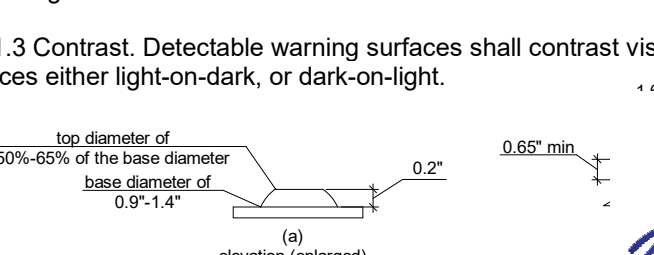


Figure 705.1 Size and Spacing of Truncated Domes

705.2 Platform Edges. Detectable warning surfaces at platf inches (610 mm) wide and shall extend the full length of the

Sheet No:	A003
PARISH:	EAST BATON ROUGE PARISH
CITY PROJECT:	16-CI-US-0032

**KEYNOTES**

05-201	3-5/8" COLD FORMED METAL FRAMING
07-201	BATT INSULATION
09-201	5/8" TYPE X GYPSUM BOARD
09-202	1/2" CEMENTITIOUS BACKER BOARD
09-204	KEVLAR REINFORCED BALLISTIC PANEL
09-213	RUBBER BASE
09-216	WALL TILE, AS SCHEDULED

Sheet No: A004

EAST BATON ROUGE PARISH  
 CITY PROJECT: 16-CI-US-0032  
 STATE PROJECT: XXX-XXX-XXX-XXX

DESIGNED CK CHECKED TK  
 DETAILED CP CHECKED TK  
 DATE: 8/6/2022  
 SHEET: A004

NO.	DATE	REVISION DESCRIPTION	BY



ARCHITECTURAL  
 PARTITION TYPES AND SCHEDULE  
 NORTH TRANSIT CENTER



**PARTITION TYPE LEGEND**

BASIC MATERIAL:	FIRE RATING:
G : GYPSUM WALL BOARD	(SB) : SMOKE BARRIER
T : PORCELAIN TILE	(1) : ONE HOUR
B : BALLISTIC PANEL	(2) : TWO HOUR

**BASIC SIZE:**  
 0 : 7/8" x 20 GA. FURRING HAT CHANNEL (NOT USED)  
 1 : 1 5/8" x 20 GA. STUD (NOT USED)  
 2 : 2 1/2" x 20 GA. STUD (NOT USED)  
 4 : 3 5/8" x 20 GA. STUD

**APPLIED LAYERS ON EACH SIDE**

G : 1 LAYER 5/8" FIBERGLASS-FACED MOISTURE RESISTANT GYPSUM  
 T : 1 LAYER 1/2" CEMENTITIOUS BACKER BOARD, THIN SET CERAMIC TILE AS SCHEDULED.

NOTE: ALL GYPSUM TO BE FIBERGLASS-FACED UNLESS NOTED OTHERWISE. PROVIDE ABUSE-RESISTANT TYPE X GYPSUM AT ALL CORRIDORS AND HALLWAYS WHERE USED AS A FINISH. REFER TO ROOM FINISH SCHEDULE & INTERIOR ELEVATIONS FOR APPLIED FINISHES SUCH AS TILE, FRP, WALLCOVERING, ETC.

**MODIFYING CONDITIONS:**

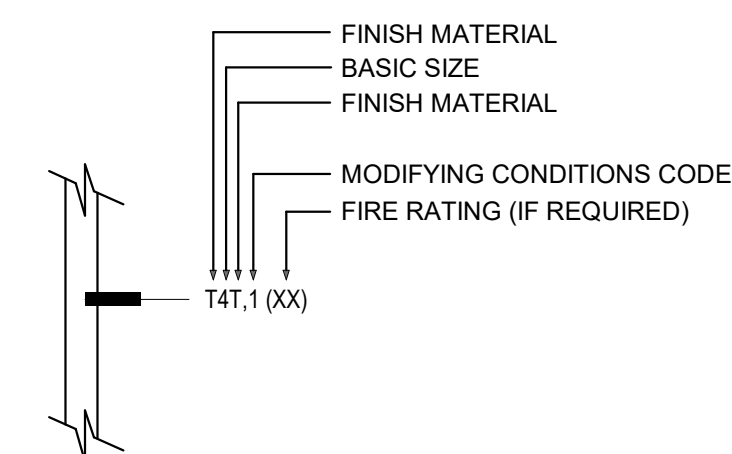
- COMPLETE WALL ASSEMBLY IS CONTINUOUS TO UNDERSIDE OF STRUCTURE ABOVE.
- COMPLETE WALL ASSEMBLY EXTENDS TO 6" ABOVE HIGHEST ADJOINING CEILING. BRACE WALL BACK TO STRUCTURE WITH KICKERS OF SAME STUD SIZE AND GAUGE AT 48" O.C.
- ACOUSTIC ASSEMBLY CONTINUOUS TO UNDERSIDE OF STRUCTURE ABOVE; PROVIDE ACOUSTIC CAULK AROUND PERIMETER & AT ALL PENETRATIONS. PROVIDE ACOUSTIC BATT INSULATION FULL CAVITY WIDTH, FULL WALL HEIGHT. WHERE DOUBLE STUD WALL NOTED, PROVIDE SOUND ATTENUATION BLANKETS IN BOTH WALLS.
- RATED ASSEMBLY CONTINUOUS TO UNDERSIDE OF STRUCTURE ABOVE; PROVIDE FIRESTOPPING/FIRECAULKING AROUND PERIMETER & AT ALL PENETRATIONS.
- PROVIDE CONTINUOUS BALLISTIC PANELS, RATED TO UNDERSIDE OF ROOF STRUCTURE.

**FIRE & SMOKE RATED PARTITIONS (REFER TO LIFE SAFETY PLANS)**

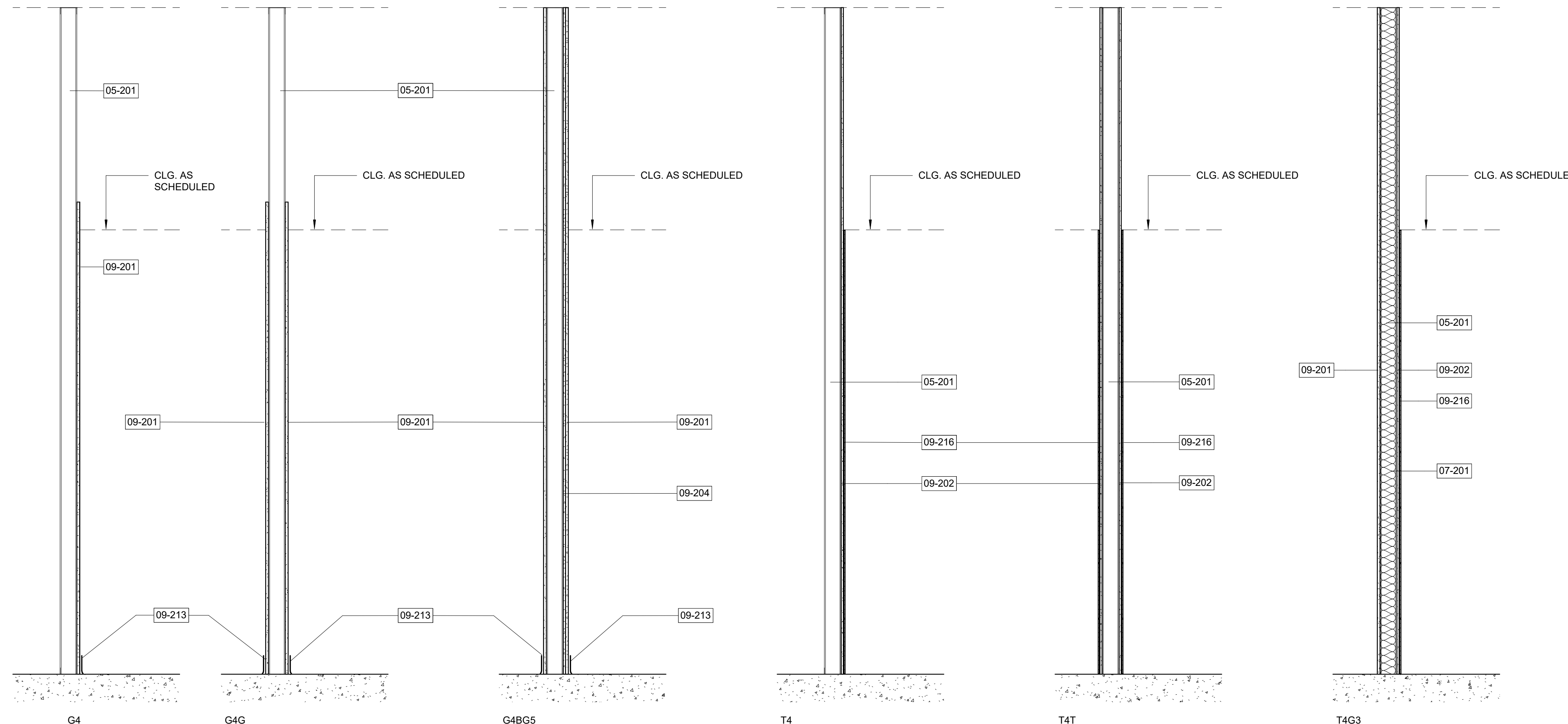
- ONE HOUR FIRE RATED PARTITION
- TWO HOUR FIRE RATED PARTITION
- SMOKE RATED PARTITION

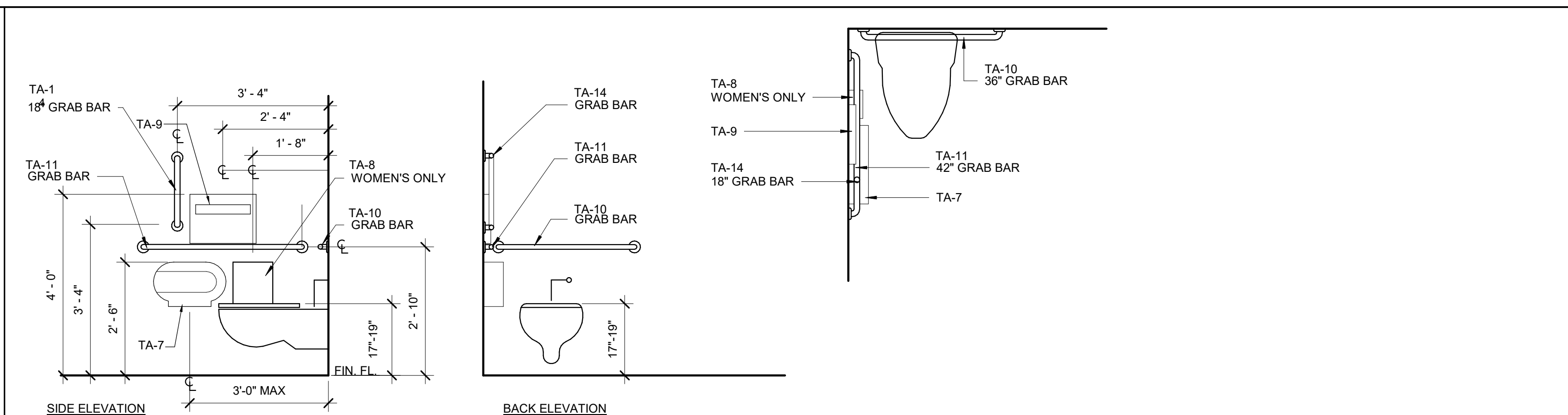
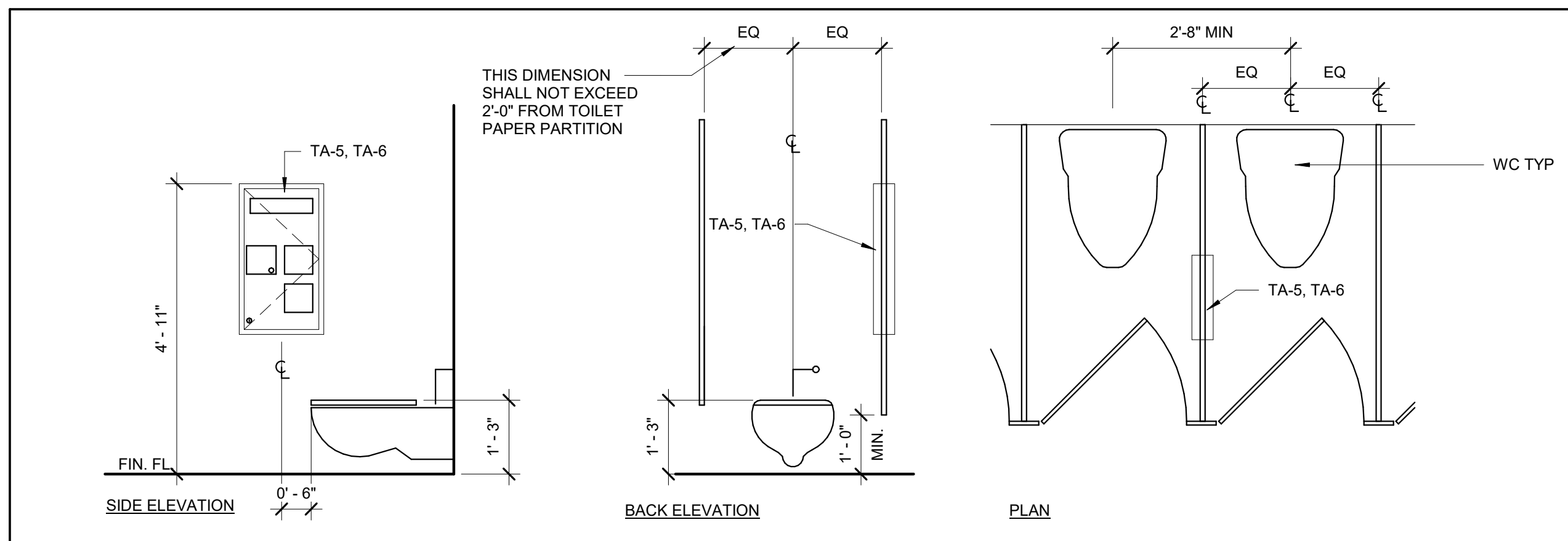
PROVIDE WALL/CEILING ASSEMBLIES THAT COMPLY WITH UL RATING AS LISTED. RE: PLANS FOR WALL TYPES AND LOCATIONS

**PARTITION TYPE DESIGNATION**



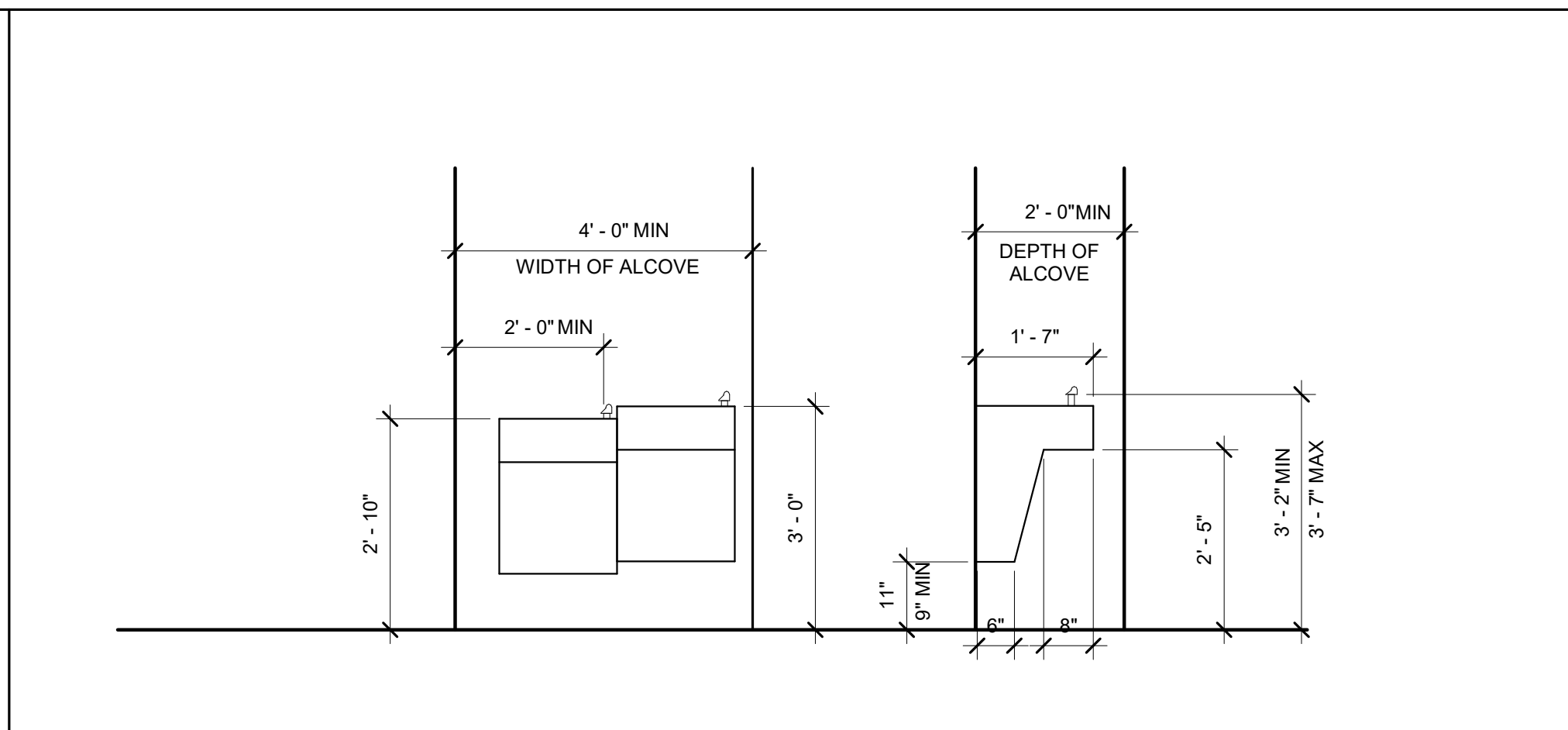
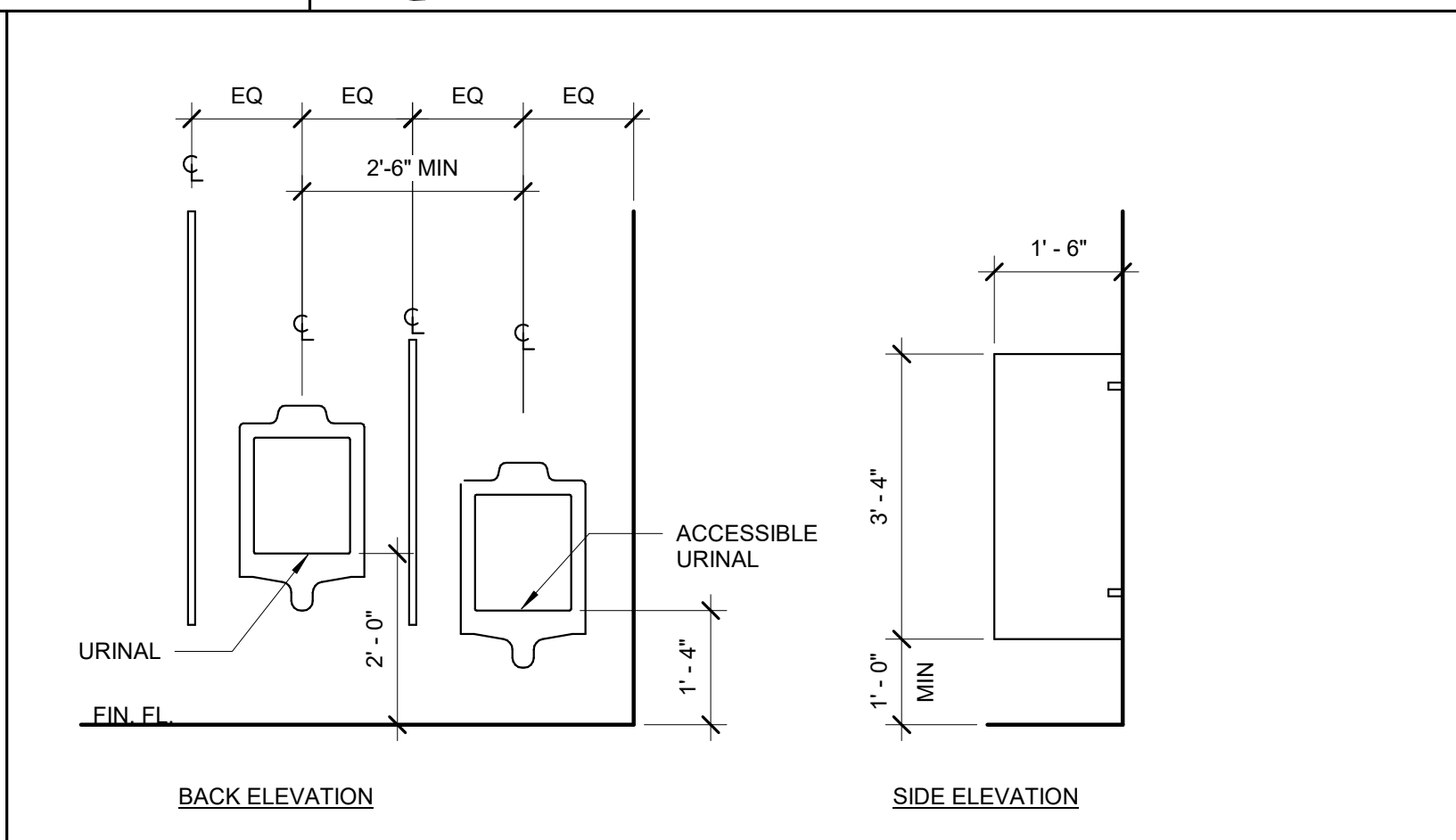
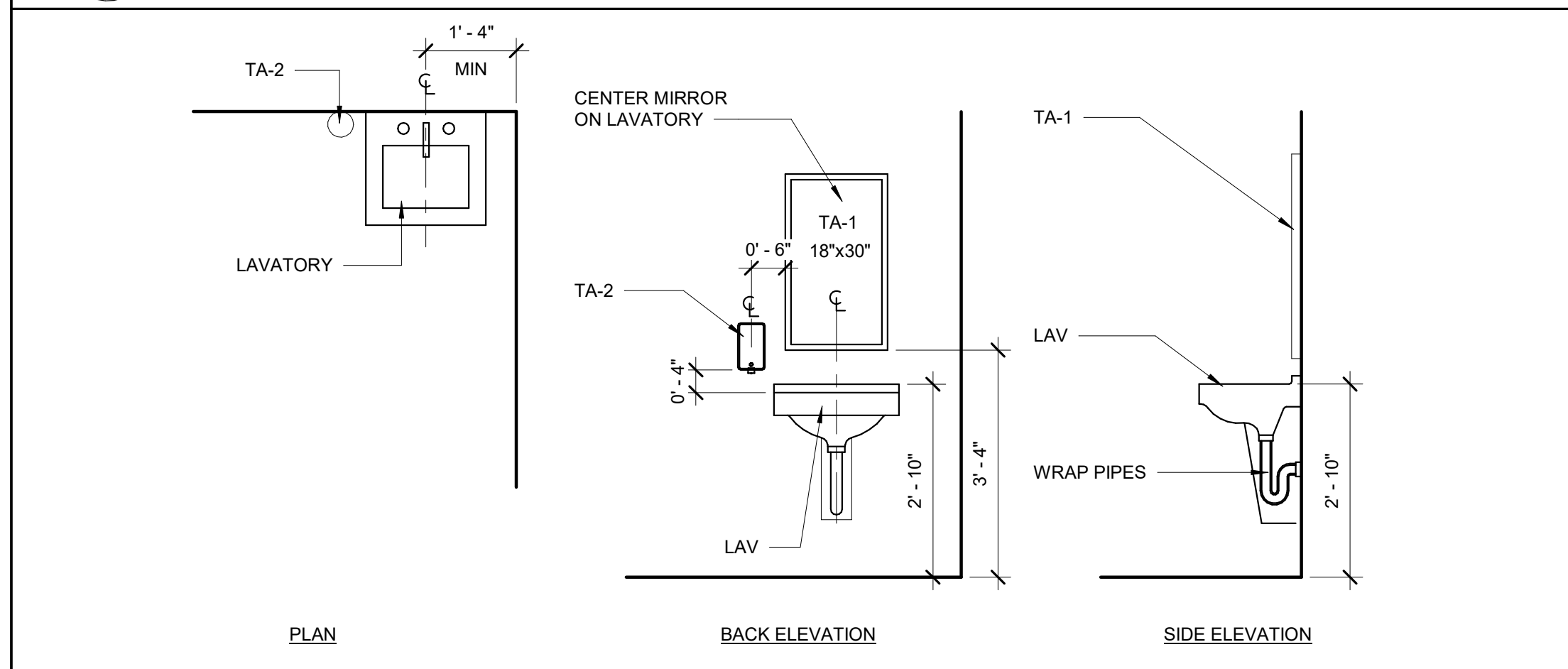
RATING	WALL ASSEMBLY	UL LISTING
1 HOUR	3 5/8" METAL STUD WITH 1 LAYER OF 5/8" TYPE X GYPSUM BOARD EACH SIDE	U465 1 HOUR
2 HOUR	3 5/8" METAL STUD WITH 2 LAYERS OF 5/8" TYPE X GYPSUM BOARD EACH SIDE	U404 2 HOUR





1 TYPICAL TOILET STALLS

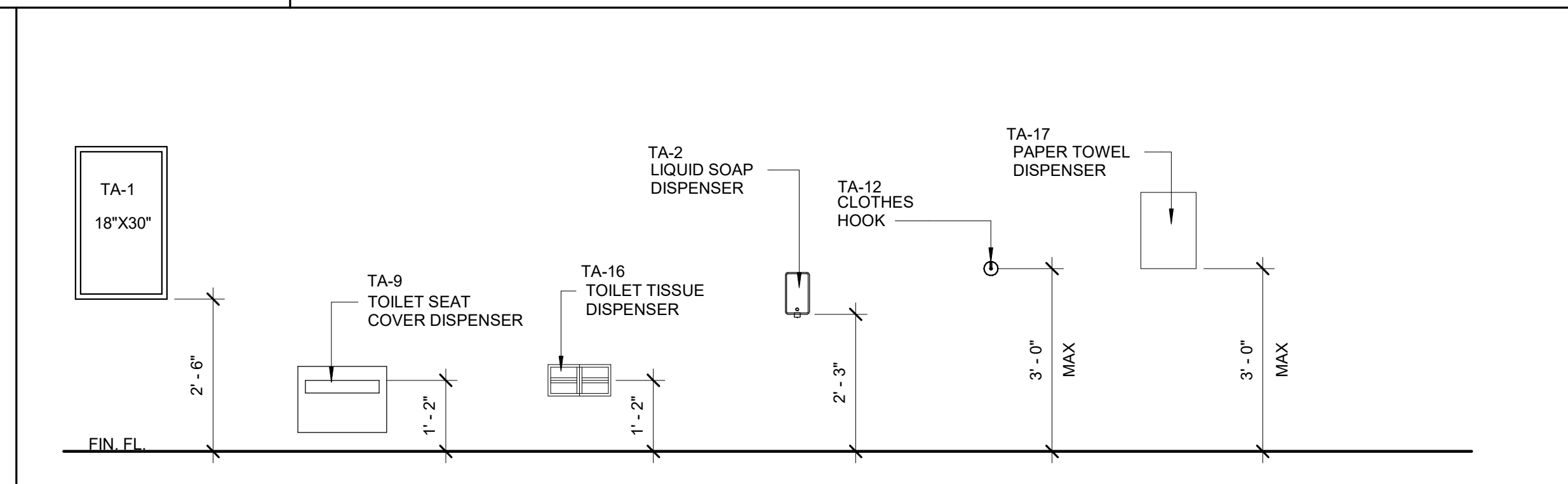
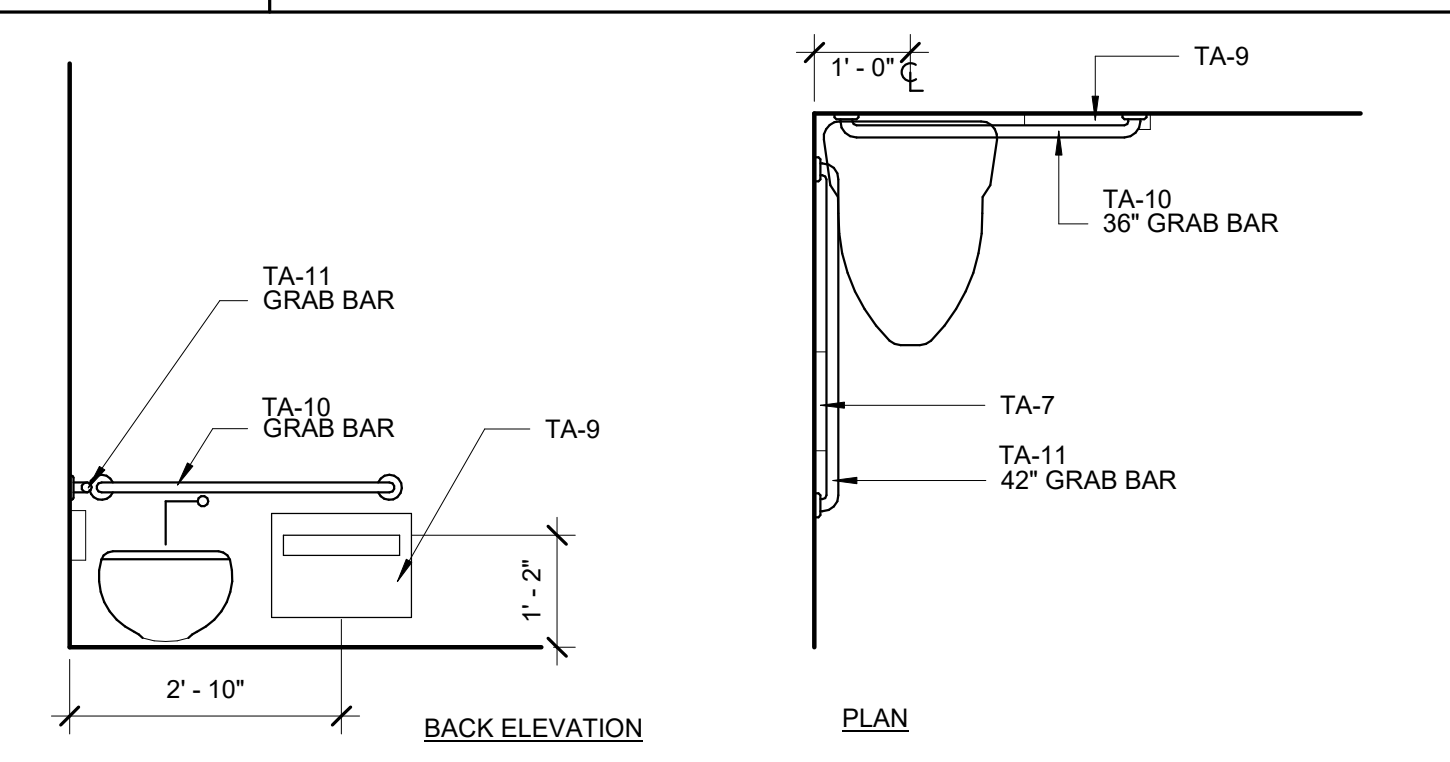
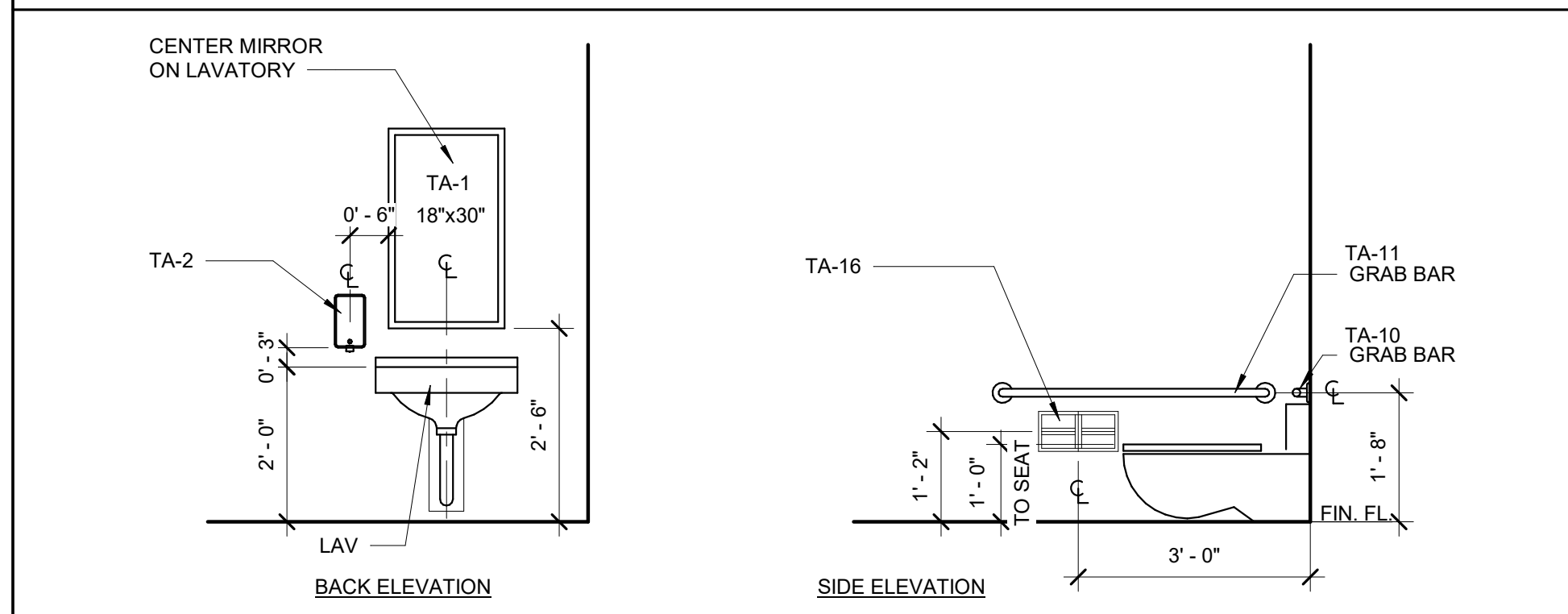
2 ACCESSIBLE TOILETS



3 TYPICAL TOILET ROOM LAVATORY

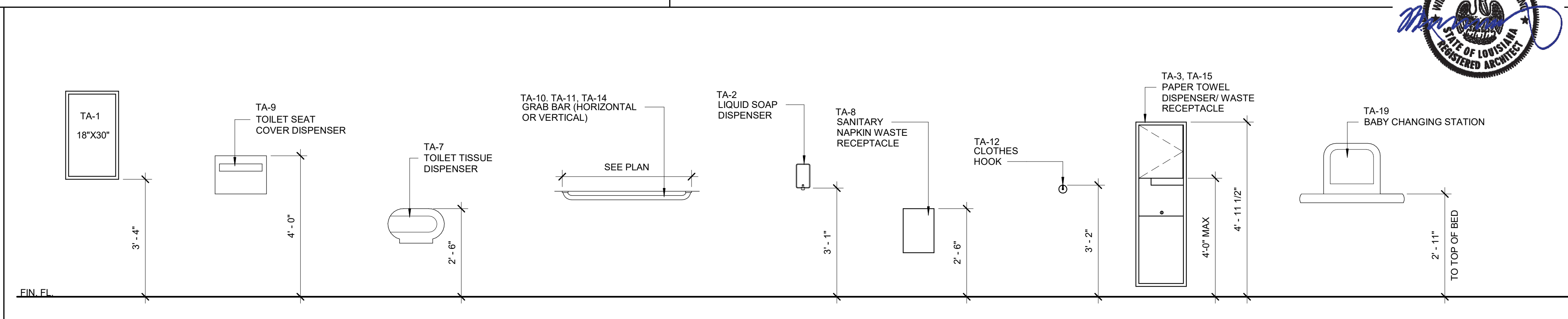
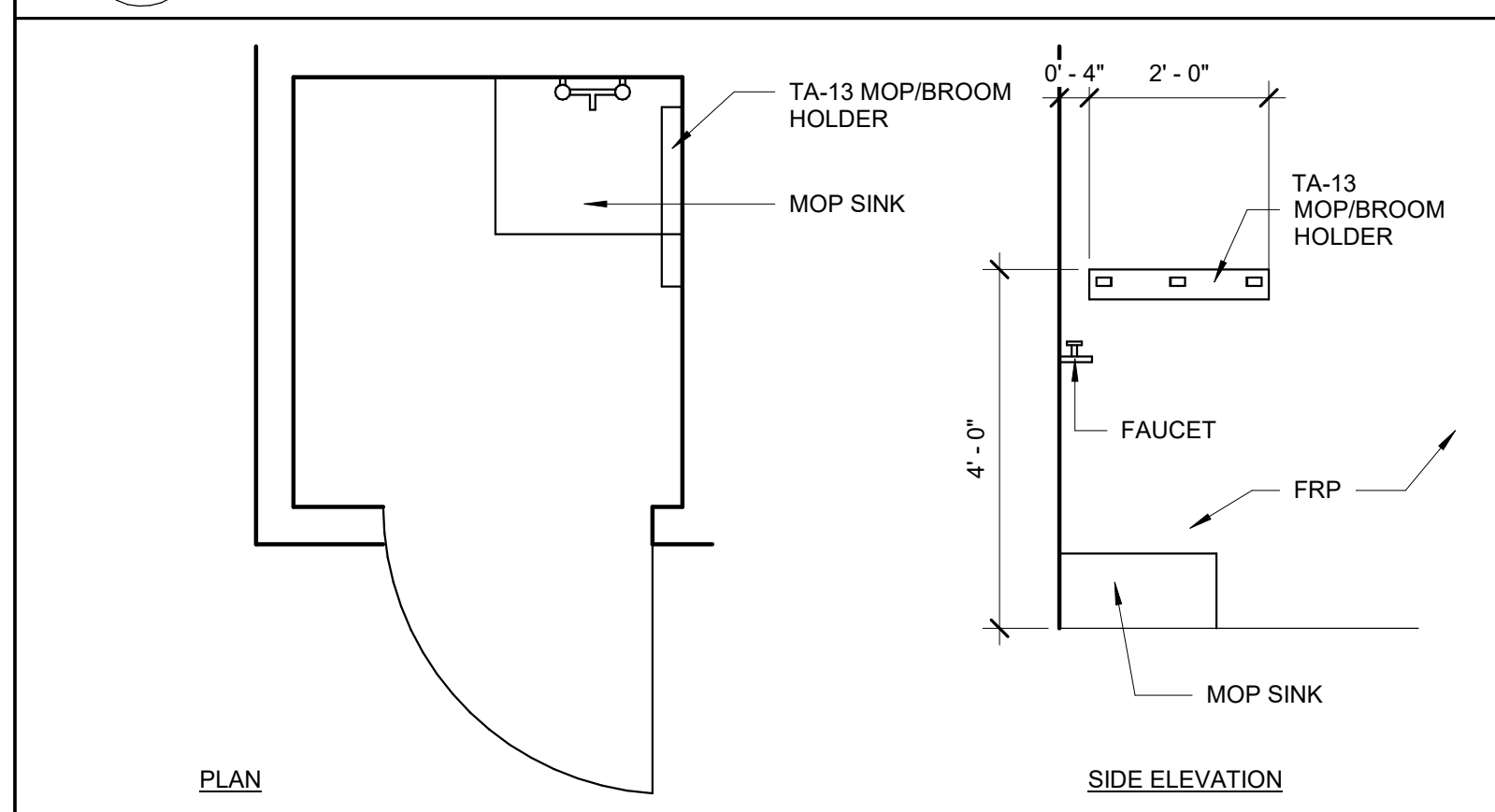
4 URINALS AND URINAL PARTITIONS

5 ELECTRIC WATER COOLER



6 TOILET ROOMS CHILD MOUNT

7 ACCESSORY MOUNTING HEIGHTS: CHILD MOUNT



8 JANITORS CLOSET

9 ACCESSORY MOUNTING HEIGHTS: ACCESSIBLE

Sheet No:	A005		
PARISH:	EAST BATON ROUGE PARISH		
CITY PROJECT:	16-CI-US-0032		
STATE PROJECT:	XXX-XXX-XXX-XXX		
DESIGNED CHECKED:	TK		
DETAILED CHECKED:	TK		
DATE:	8/6/2022		
SHEET:	A005		
NO.	DATE	REVISION DESCRIPTION	BY
<b>ARCHITECTURAL</b> TOILET ACCESSORIES MOUNTING HEIGHTS NORTH TRANSIT CENTER			



**CLARIFICATION OF SYMBOLS  
FIRE RESISTIVITY AND EXITING**

SYMBOL	DESCRIPTION
(60)	FIRE RATING OF OPENING PROTECTIVE IN MINUTES
→	CUMULATIVE OCCUPANT LOAD OF ROOM OR AREA
→	ROUTE OF MAXIMUM COMMON PATH OR TRAVEL DISTANCE
10'	MEASURED DISTANCE OF EXIT SEPARATION
	OCCUPANT LOAD USED TO DETERMINE EXISTING WIDTH
////	SMOKE PARTITION
▬▬▬▬	30 MINUTES FIRE RATED PARTITION
▬▬▬▬	ONE HOUR FIRE RATED PARTITION
▬▬▬▬	TWO HOUR FIRE RATED PARTITION
▬▬▬▬	THREE HOUR FIRE RATED PARTITION
▬▬▬▬	FOUR HOUR FIRE RATED PARTITION

**PROJECT DATA AND CODE SUMMARY**

**PROJECT ADDRESS:**  
 BUILDING NAME: CRESTVIEW BRT STATION  
 ADDRESS: 5435 AIRLINE HIGHWAY  
 BATON ROUGE, LA 70805  
 PHONE: (504) XXX-XXXX

**ZONING CLASSIFICATION:** C2 HEAVY COMMERCIAL

**OCCUPANCY CLASSIFICATION:**  
 MIXED : A-3 638 SF (NET)  
 B 780 SF (NET)

**CONSTRUCTION TYPE:** IIB

**BASE FLOOD ELEVATION:**  
 PROPOSED FIRST FLOOR ELEVATION: 60.5'

**GROSS BUILDING AREA:**  
 FIRST FLOOR: 1,743 GSF  
 TOTAL AREA: 1,743 GSF

**MAX. ALLOWABLE FLOOR AREA:**  
 9,500 SF ALLOWED  
 1,743 SF PROVIDED (GROSS)

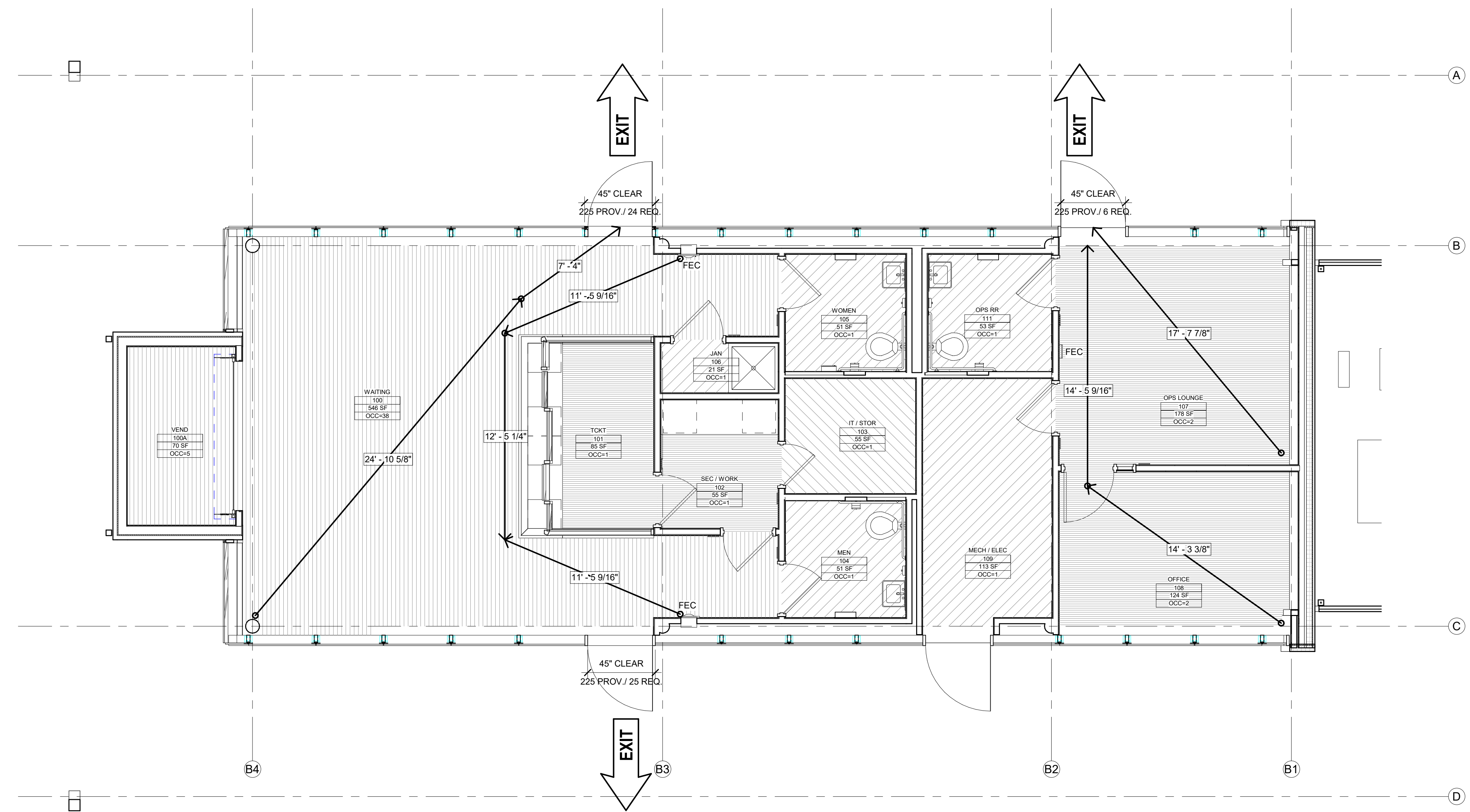
**MAX. ALLOWABLE BUILDING HEIGHT:**  
 75 FEET ALLOWED  
 16 FEET PROVIDED

**MINIMUM SETBACKS:**  
 FRONT 10 FEET  
 SIDE 5 FEET  
 REAR 20 FEET

**OCCUPANT LOAD/EXITING:**  
 (IBC TABLE 1003.2.2.2 & 1005.2.1):  
 LEVEL 1: TOTAL OL = 55 PERSONS 2 EXITS REQUIRED  
 3 EXITS PROVIDED



ARCHITECTURAL  
LIFE SAFETY PLAN  
NORTH TRANSIT CENTER



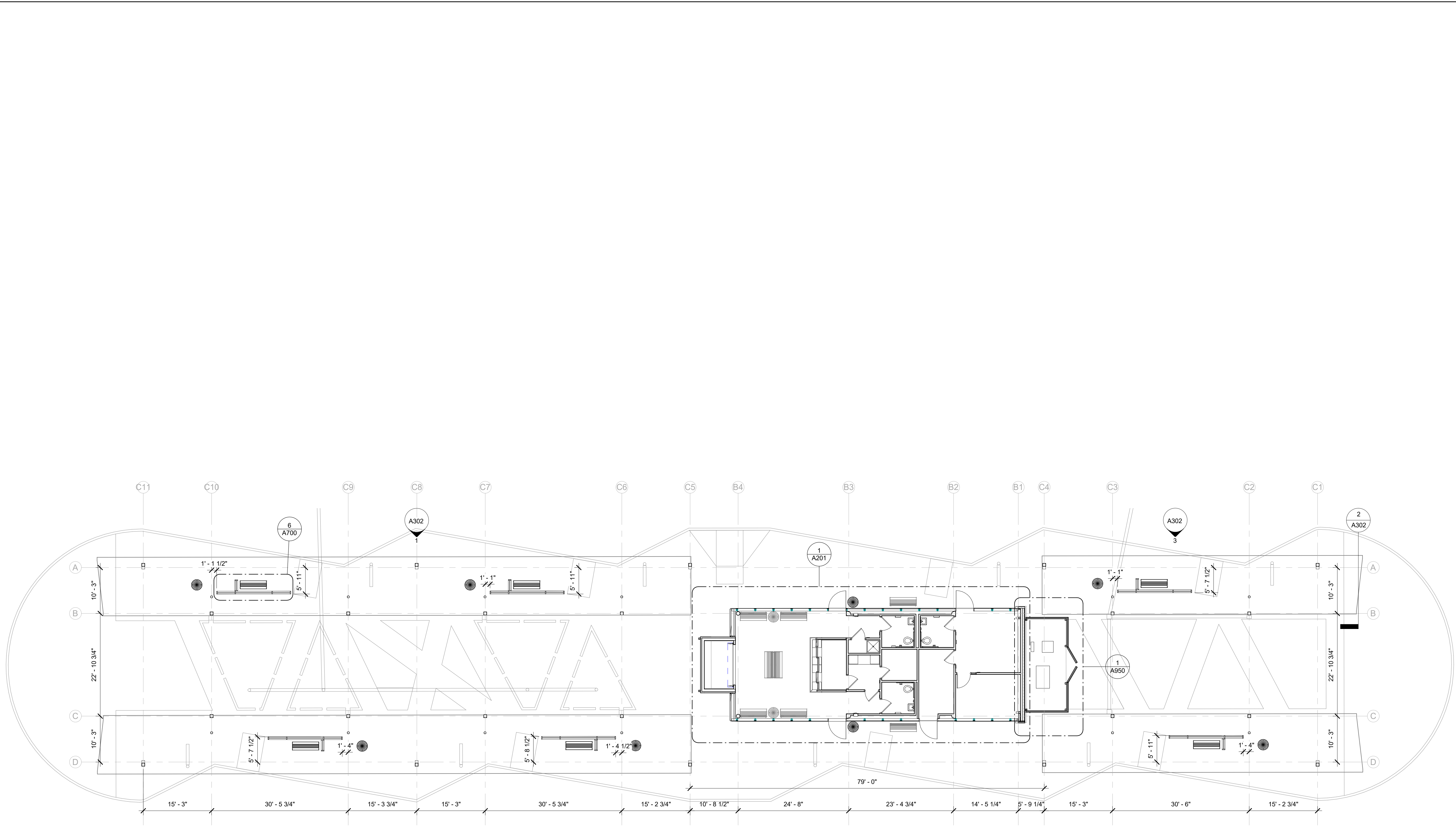
**OCCUPANCY TYPE LEGEND**

- ASSEMBLY
- BUSINESS
- STORAGE
- UTILITY

1 FIRST FLOOR LIFE SAFETY PLAN  
 A100 1/4" = 1'-0"

**LIFE SAFETY OCCUPANCY SCHEDULE**

ROOM NUMBER	ROOM NAME	OCCUPANCY TYPE	AREA	OCCUPANT LOAD
<b>ASSEMBLY</b>				
100	WAITING	ASSEMBLY	546 SF	38
100A	VEND	ASSEMBLY	70 SF	5
<b>BUSINESS</b>				
101	TCKT	BUSINESS	85 SF	1
102	SEC / WORK	BUSINESS	55 SF	1
107	OPS LOUNGE	BUSINESS	178 SF	2
108	OFFICE	BUSINESS	124 SF	2
<b>STORAGE</b>				
103	IT / STOR	STORAGE	55 SF	1
<b>UTILITY</b>				
104	MEN	UTILITY	51 SF	1
105	WOMEN	UTILITY	51 SF	1
106	JAN	UTILITY	21 SF	1
109	MECH / ELEC	UTILITY	113 SF	1
111	OPS RR	UTILITY	53 SF	1
Grand total			290 SF	1402 SF



NOTE: FOR INFO ONLY, LOCATE BUILDING, CANOPY STRUCTURE

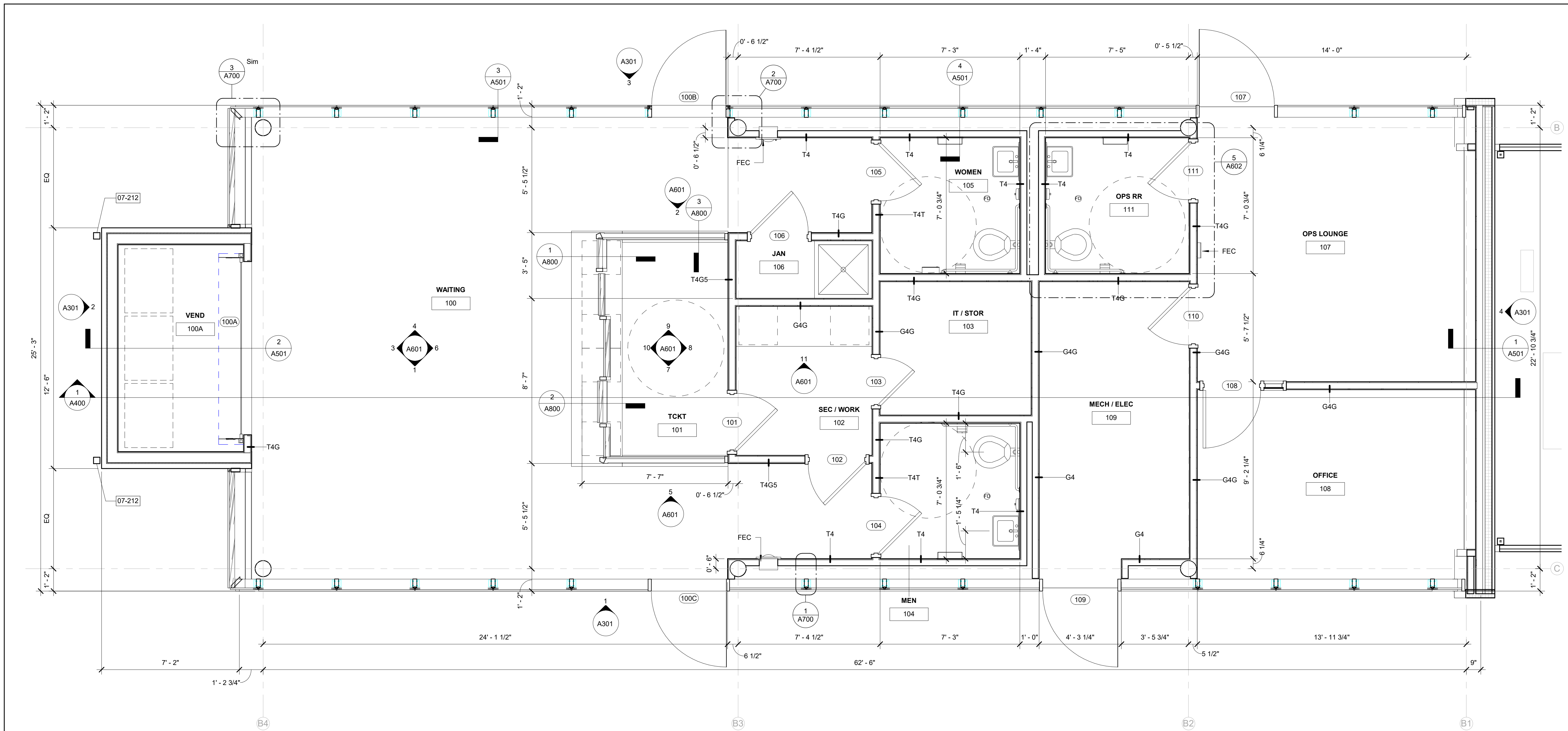
1 ARCHITECTURAL SITE PLAN  
 A101 3/32" = 1'-0"

DESIGNED CHECKED	OK TK	PARISH	SHEET NO.
DETAILED CHECKED	CP TK	CITY PROJECT	A101
DATE SHEET	8/6/2022 A101	STATE PROJECT	16-CI-US-0032
			XXX-XXX-XXX-XXX



ARCHITECTURAL  
 ARCHITECTURAL SITE PLAN  
 NORTH TRANSIT CENTER





1  
A101 | A201  
3/8" = 1'-0"

NOTE: FINISH FLOOR ELEVATION IS 100' 0" = 60.5'

**GENERAL NOTES - FLOOR PLANS**

1. SEE A000 FOR PARTITION TYPE SCHEDULE
2. VERIFY ALL DIMENSIONS IN FIELD. NOTIFY ARCHITECT OF ANY CONFLICTS WITH EXISTING CONDITIONS OR INTENT IMMEDIATELY UPON DISCOVERY.
3. ROOM IDENTIFICATION AND REGULATORY SIGNAGE SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR TO MATCH EXISTING BUILDING STANDARDS.
4. CLEAN AND PREP ALL WALLS THAT ARE TO RECEIVE PAINT.
5. PLAN DIMENSIONS ARE TO FACE OF WALL UNLESS NOTED OTHERWISE.
6. REFER TO LIFE SAFETY DRAWINGS FOR BUILDING CODE INFORMATION.
7. ALL EXPOSED GYPSUM BOARD EDGES IN CORRIDORS AND OPEN SPACE TO RECEIVE CORNER GUARDS.
8. REFER TO LIFE SAFETY DRAWINGS FOR LOCATIONS OF FIRE RATED WALL ASSEMBLIES INCLUDING INTERIOR PARTITIONS AND EXTERIOR WALLS.
9. MAINTAIN DESIGNATED FIRE RATINGS ACROSS ALL JOINTS BETWEEN RATED WALL SYSTEMS TO ESTABLISH A CONTINUOUSLY RATED WALL ASSEMBLY.
10. MAINTAIN DESIGNATED ACOUSTIC RATINGS ACROSS ALL JOINTS, AND AROUND PERIMETER OF ALL OPENINGS.
11. HOUSEKEEPING AND EQUIPMENT PADS SHALL BE FINISHED TO MATCH ADJACENT FLOOR FINISHES PRIOR TO INSTALLATION OF EQUIPMENT.
12. PROVIDE BLOCKING FOR WALL MOUNTED FURNITURE SYSTEMS
13. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR SCOPE OF CONCRETE PADS BELOW EQUIPMENT.
14. DIMENSION FROM FACE OF PARTITION TO DOOR FRAME IS 4", UNO.

Sheet No:	A201
DESIGNED / CHECKED / TK	EA EA EA
DETAILED / CHECKED / TK	EA EA EA
DATE / SHEET	8/16/2022 / A201
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	XXX-XXX-XXX-XXX
BY	
NO.	
DATE	
REVISION DESCRIPTION	



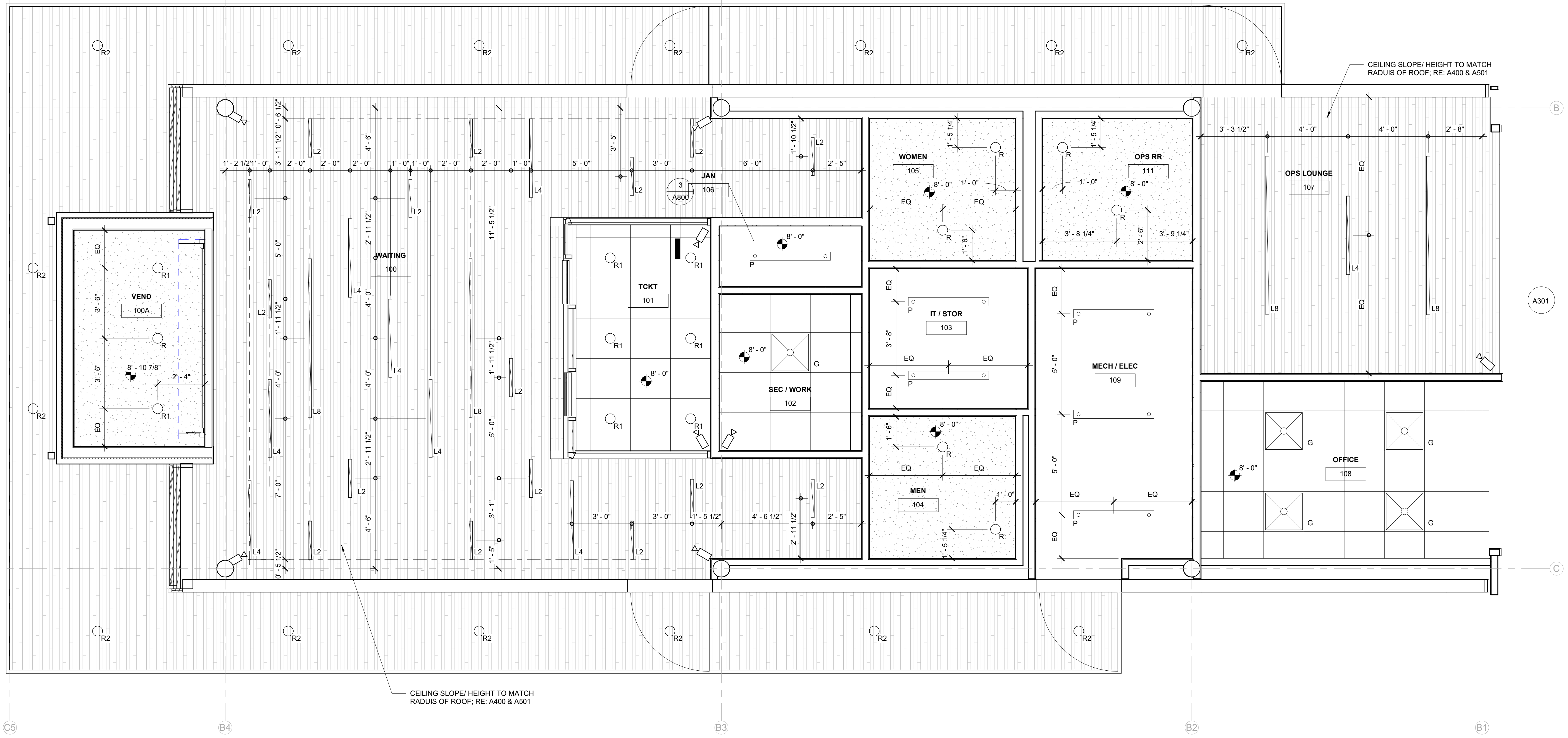
ARCHITECTURAL  
BUILDING - FLOOR PLAN  
NORTH TRANSIT CENTER



NO.	DATE	REVISION DESCRIPTION	BY



ARCHITECTURAL  
 BUILDING - RCP  
 NORTH TRANSIT CENTER

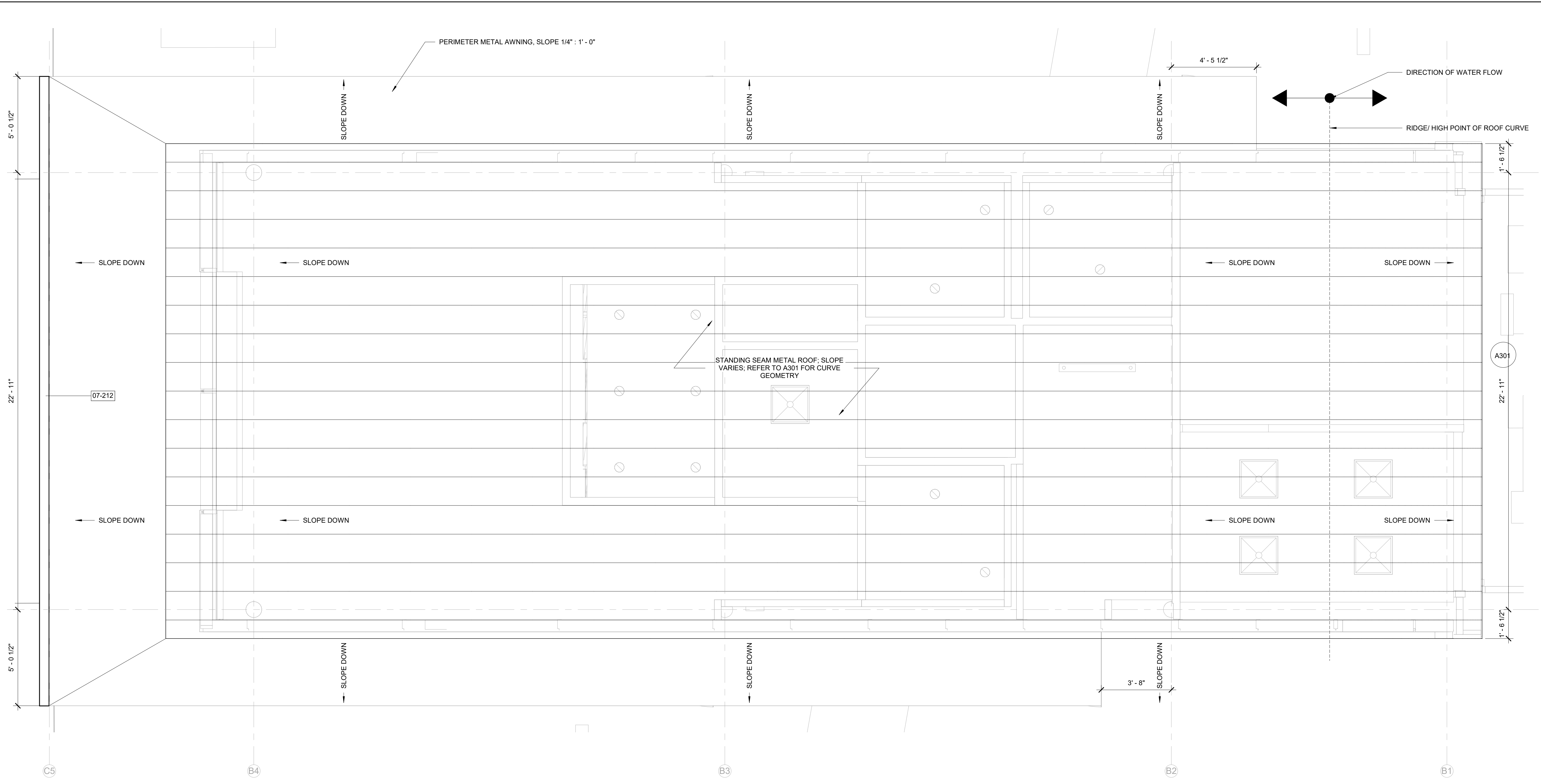


1 REFLECTED CEILING PLAN  
 A202 3/8" = 1'-0"

RCP LEGEND

- RECESSED LINEAR LIGHT FIXTURE
- RECESSED LINEAR LIGHT FIXTURE
- RECESSED LINEAR LIGHT FIXTURE
- RECESSED LINEAR LIGHT FIXTURE
- RECESSED LINEAR LIGHT FIXTURE
- RECESSED LINEAR LIGHT FIXTURE
- RECESSED LINEAR LIGHT FIXTURE





1 ROOF PLAN  
 A203 3/8" = 1'-0"

- GENERAL NOTES - ROOF PLAN**
1. REFER TO A301 & STRUCTURAL DRAWINGS FOR CURVED ROOF GEOMETRY.
  2. VERIFY ALL DIMENSIONS IN FIELD. NOTIFY ARCHITECT OF ANY CONFLICTS WITH EXISTING CONDITIONS OR INTENT IMMEDIATELY UPON DISCOVERY.
  - 3.

Sheet No:	A203
DESIGNED / CHECKED / TK	DATE / SHEET
8/6/2022	A203
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	XXX-XXX-XXX-XXX
NO.	DATE
REVISION DESCRIPTION	BY



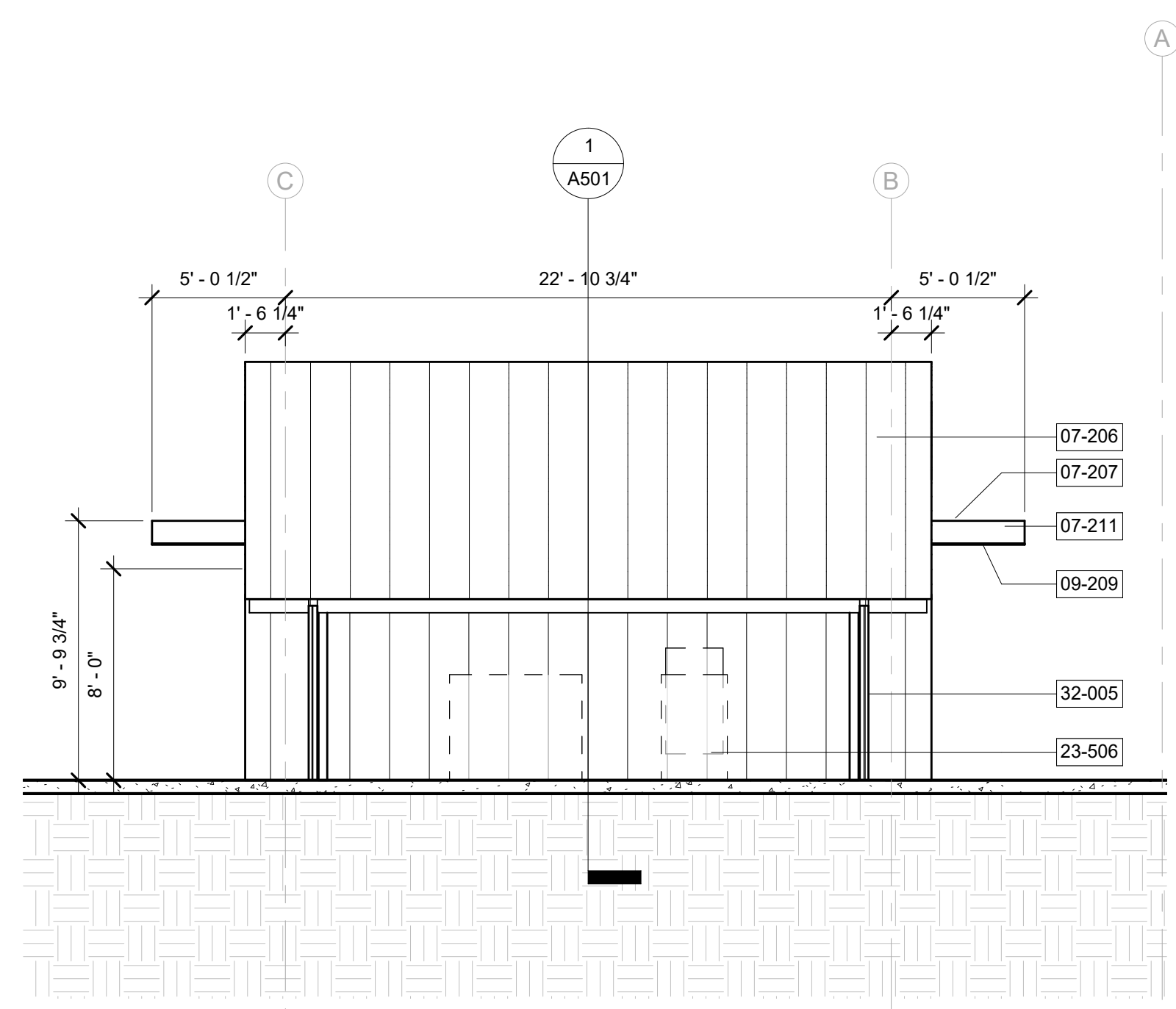
ARCHITECTURAL  
 BUILDING - ROOF PLAN  
 NORTH TRANSIT CENTER



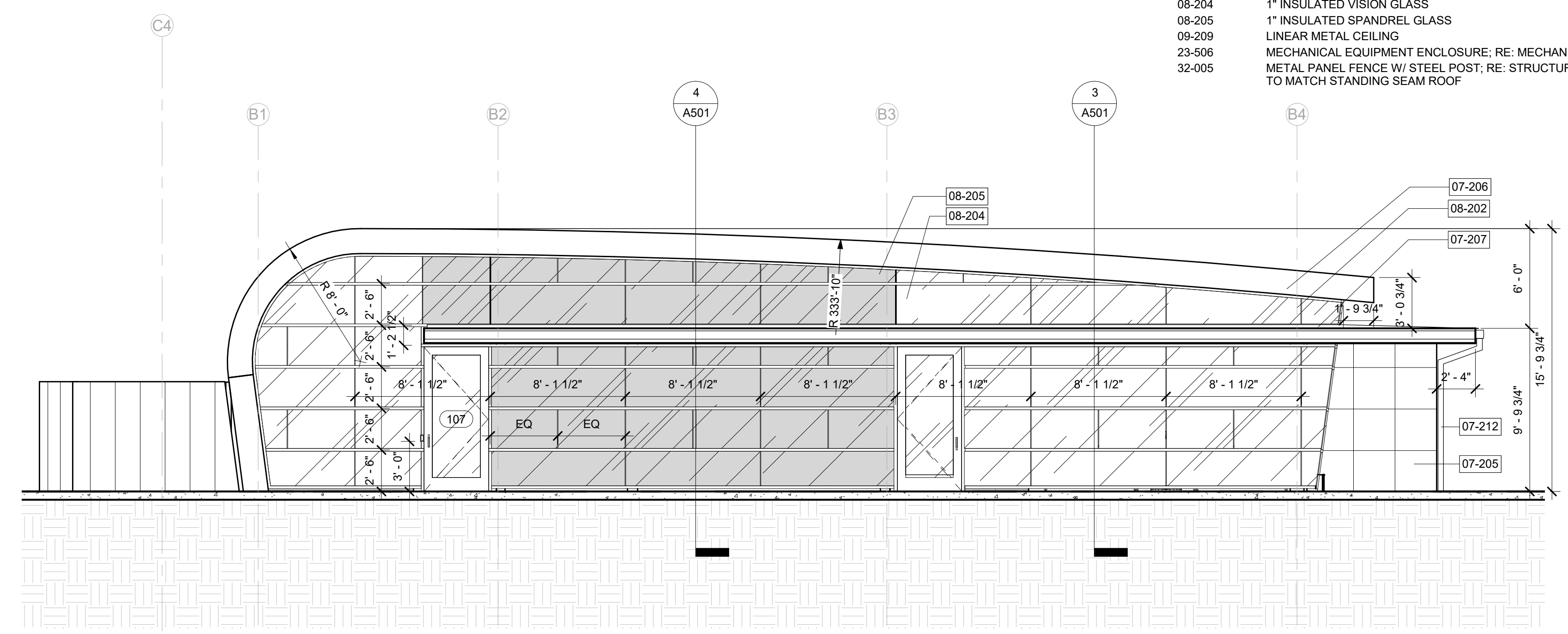
**KEYNOTES**

- 07-205 INSULATED METAL PANEL
- 07-206 STANDING SEAM METAL ROOFING
- 07-207 FLAT SEAM METAL ROOFING
- 07-211 METAL FASCIA
- 07-212 GUTTER AND DOWNSPOUT
- 08-202 CURTAINWALL
- 08-204 1" INSULATED VISION GLASS
- 08-205 1" INSULATED SPANDREL GLASS
- 09-209 LINEAR METAL CEILING
- 23-506 MECHANICAL EQUIPMENT ENCLOSURE; RE: MECHANICAL
- 32-005 METAL PANEL FENCE W/ STEEL POST; RE: STRUCTURAL, PANEL TO MATCH STANDING SEAM ROOF

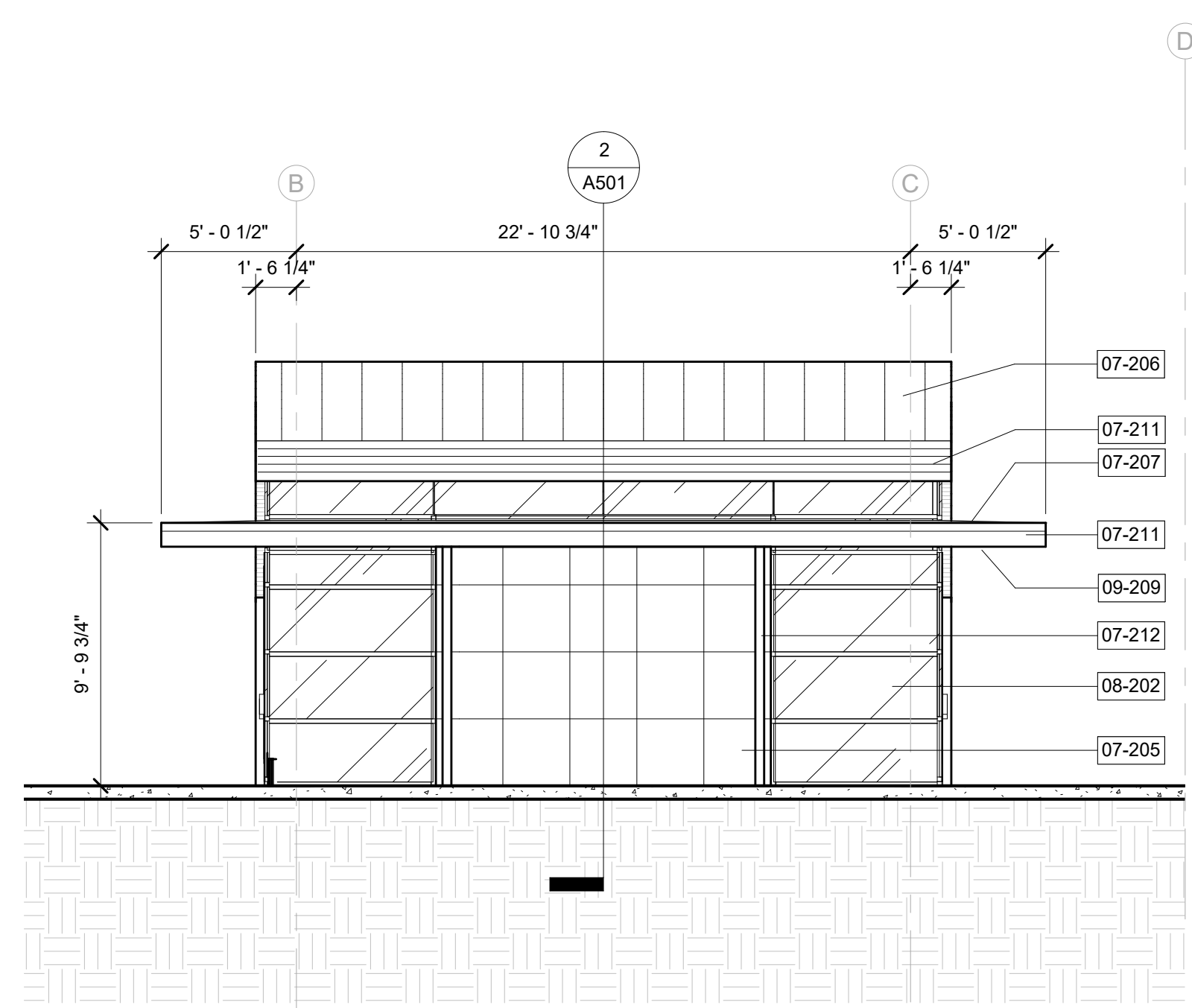
Sheet No:	A301
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	XXX-XXX-XXX-XXX
DESIGNED / CHECKED	TK
DETAILED / CHECKED	CP / TK
DATE	8/6/2022
SHEET	A301
NO.	
DATE	
REVISION DESCRIPTION	
BY	



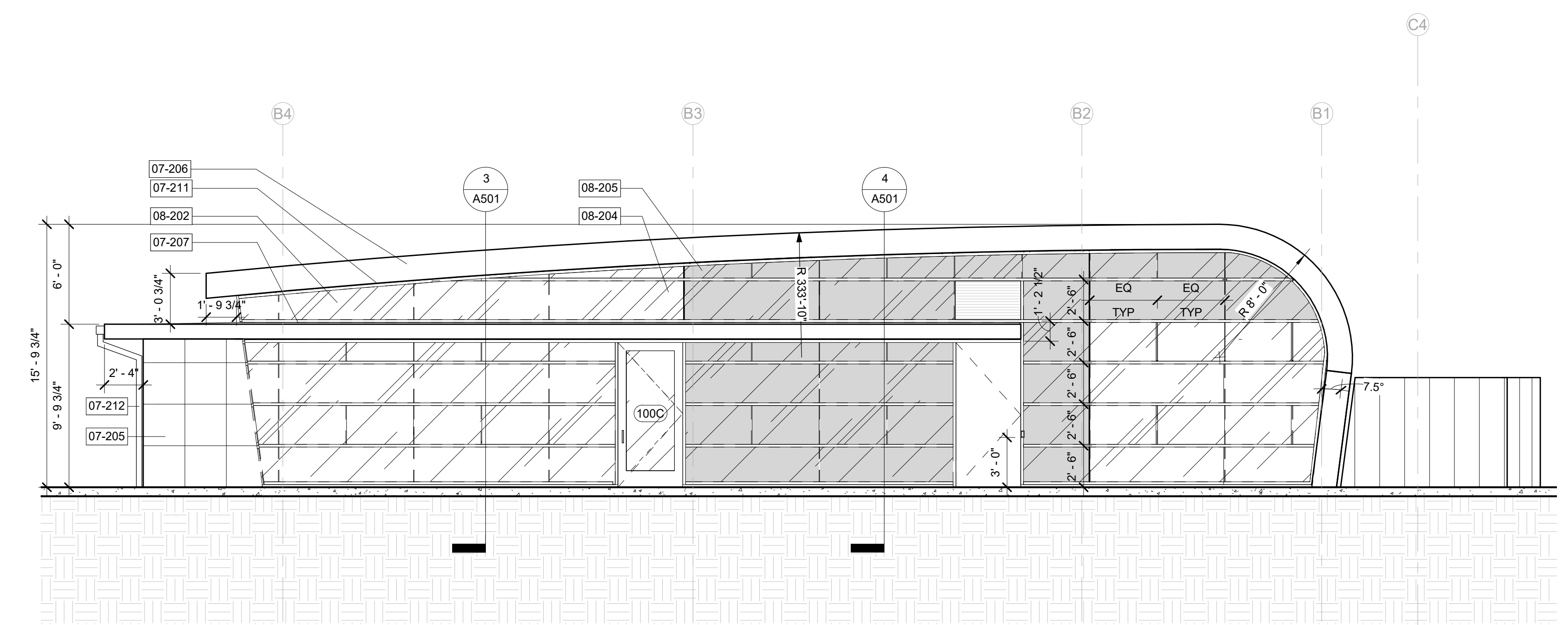
**4 SOUTH ELEVATION**  
A201/A301 3/16" = 1'-0"



**3 EAST ELEVATION**  
A201/A301 3/16" = 1'-0"



**2 NORTH ELEVATION**  
A201/A301 3/16" = 1'-0"



**1 WEST ELEVATION**  
A201/A301 3/16" = 1'-0"

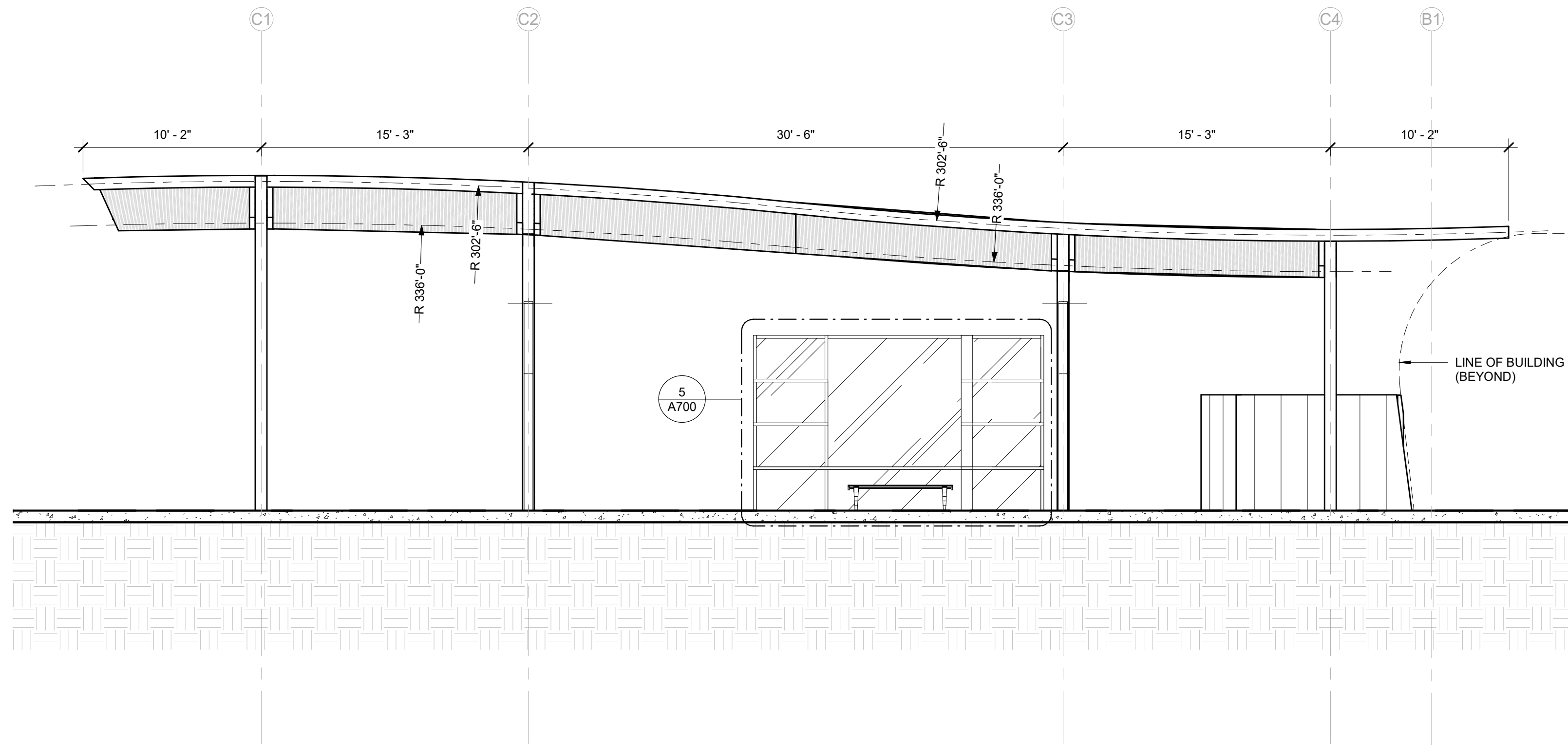


ARCHITECTURAL  
EXTERIOR ELEVATIONS  
NORTH TRANSIT CENTER

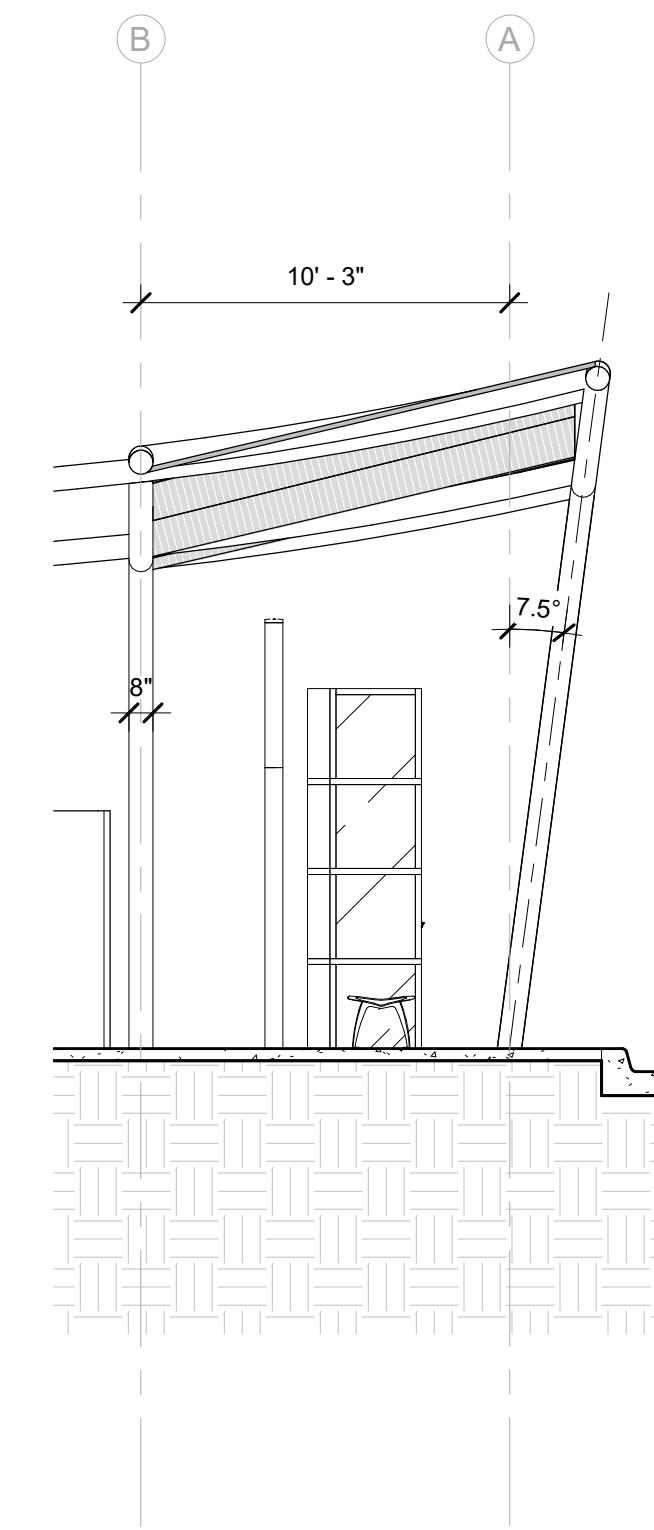


**CANOPY ELEVATION  
GENERAL NOTES:**

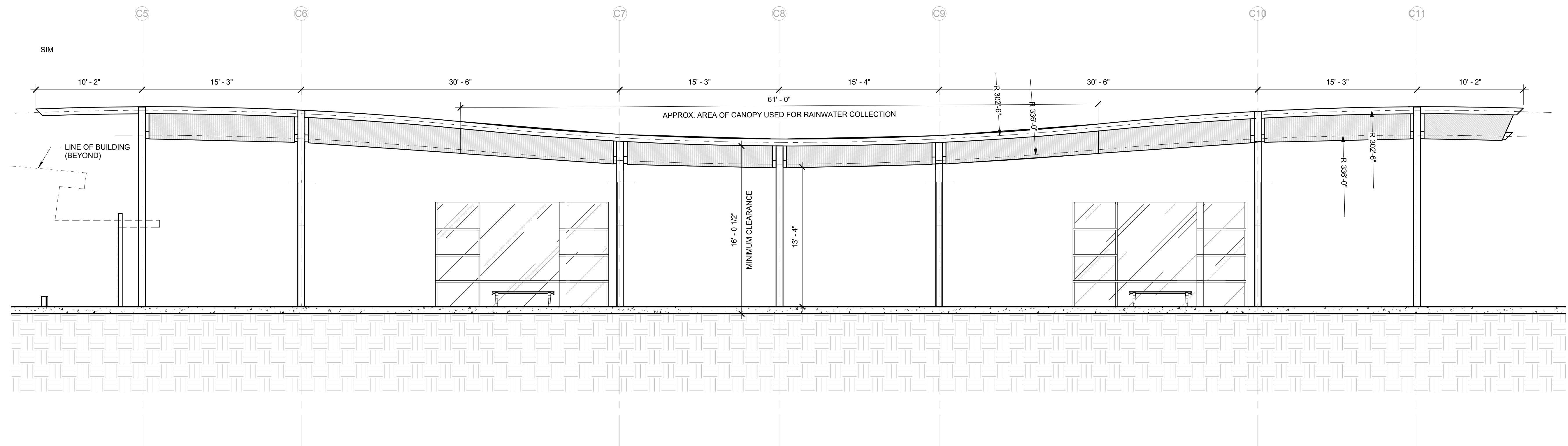
1. THE PURPOSE OF THIS DRAWING IS TO DEFINE THE OVERHEAD AWNING STEEL GEOMETRY. REFER TO CIVIL DRAWINGS FOR SITE FEATURES AND LOCATION.
2. REFER TO STRUCTURAL FOR FOUNDATION DETAILS AND STEEL COORDINATION.
3. REFER TO SPECIFICATIONS FOR CANOPY REQUIREMENTS AND MATERIALS.



3  
A101/A302 3/16" = 1'-0"  
**CANOPY TYPE A ELEVATION (1 THUS, 1 O.H.)**



2  
A101/A302 3/16" = 1'-0"  
**CANOPY SOUTH ELEV (NORTH SIM)**



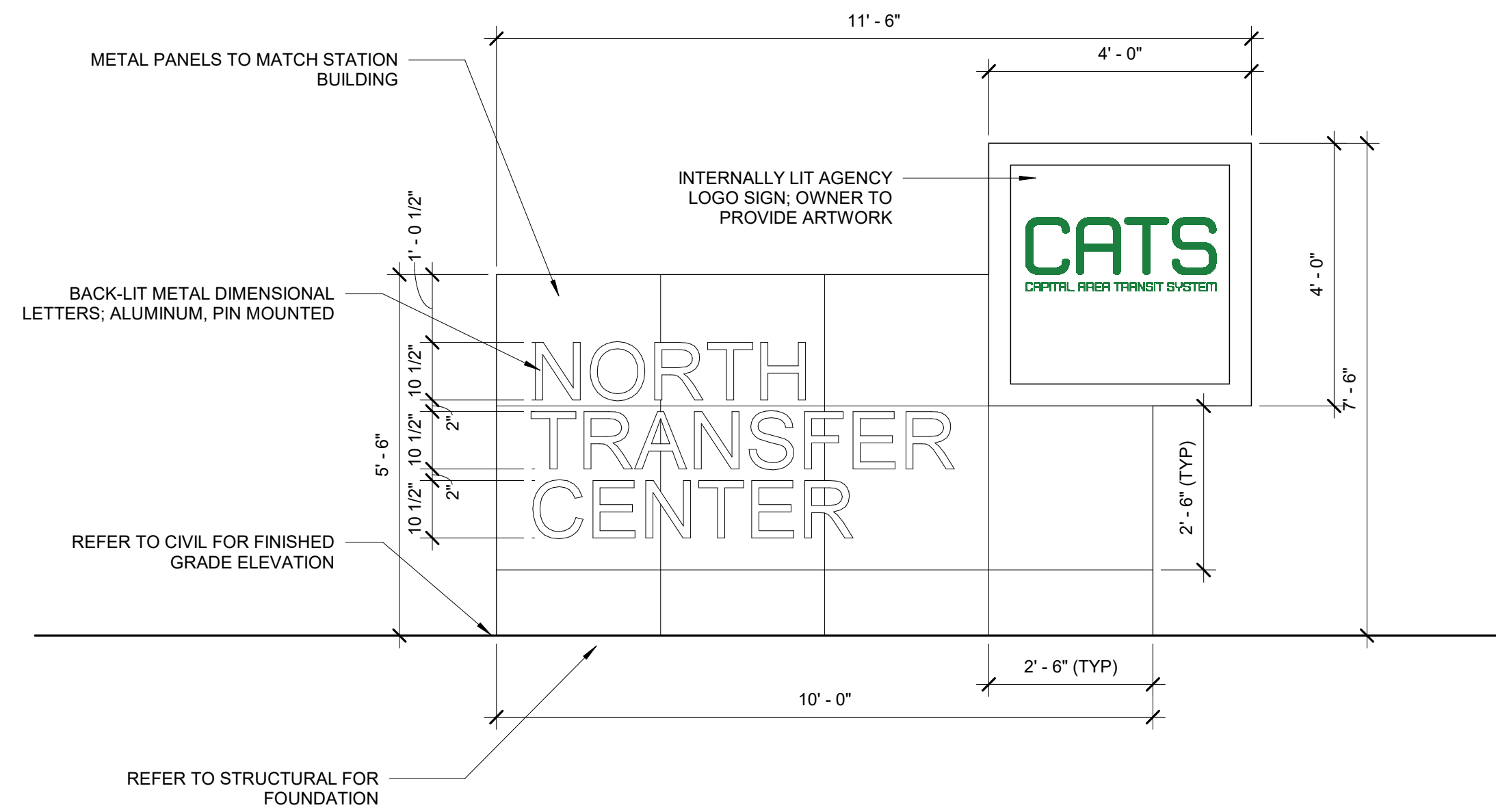
1  
A101/A302 3/16" = 1'-0"  
**CANOPY TYPE B ELEVATION (1 THUS, 1 O.H.)**

Sheet No:	A302
DESIGNED / CHECKED / TK	8/6/2022 / A302
DATE / SHEET	
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	XXX-XXX-XXX-XXX
REVISION DESCRIPTION	
NO.	DATE
BY	

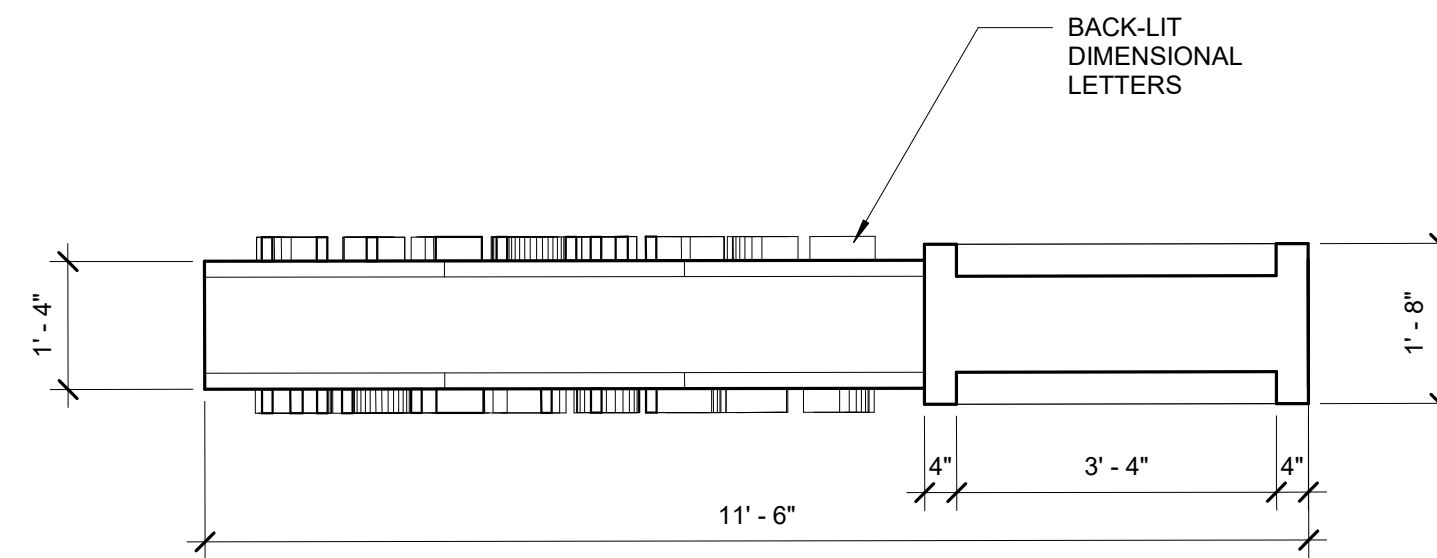


**ARCHITECTURAL  
EXTERIOR ELEVATIONS**  
NORTH TRANSIT CENTER

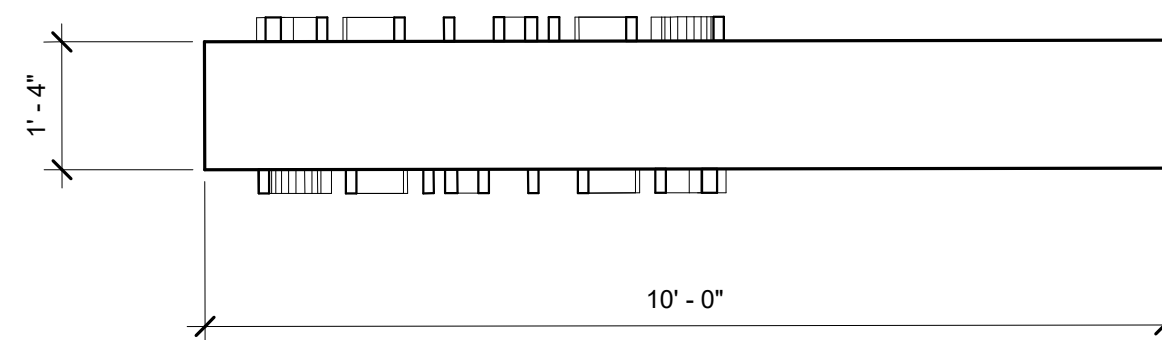




1 SITE SIGNAGE - ELEVATION  
 A303 1/2" = 1'-0"



2 UPPER MONUMENT PLAN  
 A303 1/2" = 1'-0"



3 LOWER MONUMENT PLAN  
 A303 1/2" = 1'-0"

Sheet No: A303

PARISH EAST BATON ROUGE PARISH  
 CITY PROJECT 16-CI-US-0032  
 STATE PROJECT XXX-XXX-XXX-XXX

DESIGNED / OK / CHECKED / TK  
 DETAILED / CP / CHECKED / TK  
 DATE / SHEET 8/6/2022 / A303

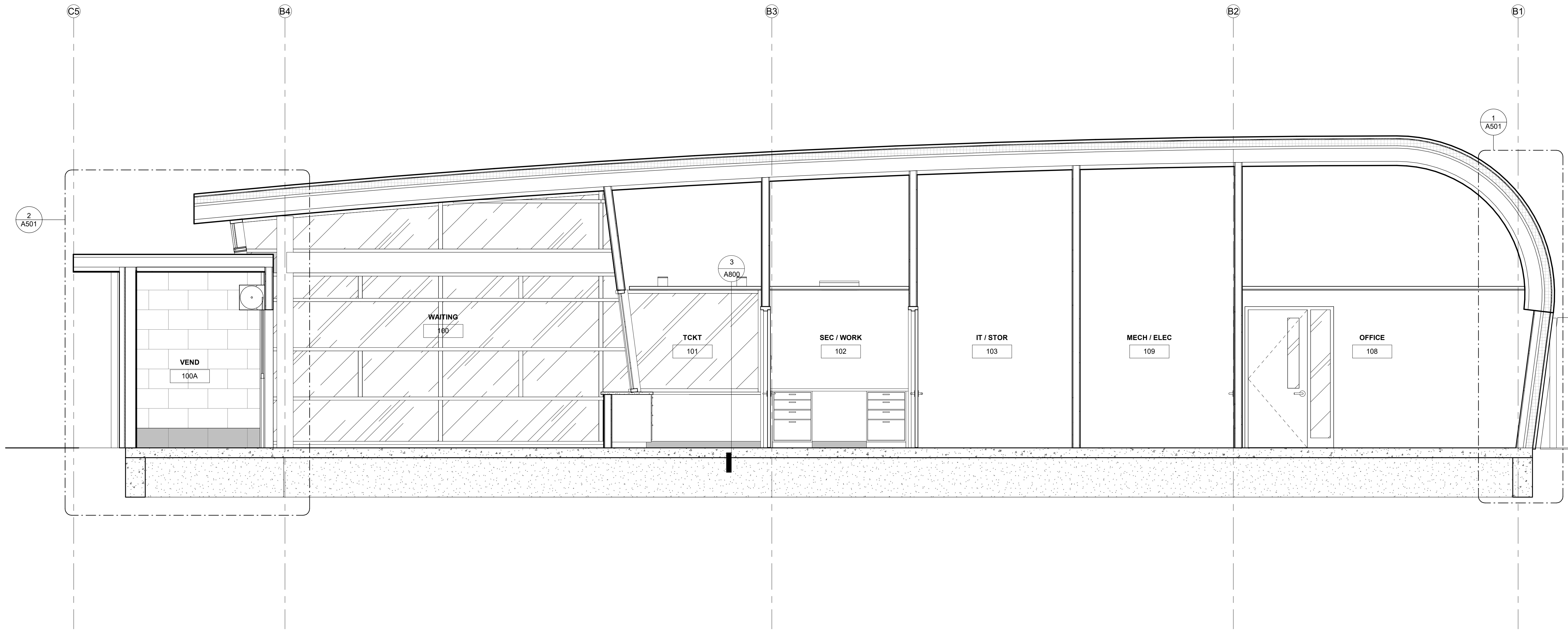
NO.	DATE	REVISION DESCRIPTION	BY



ARCHITECTURAL  
 SITE MONUMENT SIGN  
 NORTH TRANSIT CENTER







1  
A201/A400  
LONGITUDINAL BUILDING SECTION  
3/8" = 1'-0"

Sheet No: A400

PARISH EAST BATON ROUGE PARISH  
CITY PROJECT 16-CI-US-0032  
STATE PROJECT XXX-XXX-XXX-XXX

DESIGNED OK CHECKED TK  
DETAILED CP CHECKED TK  
DATE SHEET 8/6/2022 A400

NO.	DATE	REVISION DESCRIPTION	BY



ARCHITECTURAL  
BUILDING SECTION  
NORTH TRANSIT CENTER



**KEYNOTES**

- 03-201 CONCRETE SLAB, REF: STRUCTURAL
- 03-202 CONCRETE GRADE BEAM, REF: STRUCTURAL
- 03-203 CONCRETE PAVING, REF: CIVIL
- 05-203 STEEL BEAM, REF: STRUCTURAL
- 05-207 METAL DECK, REF: STRUCTURAL
- 06-202 EXTERIOR SHEATHING
- 07-202 RIGID INSULATION
- 07-206 STANDING SEAM METAL ROOFING
- 08-202 CURTAINWALL
- 09-209 LINEAR METAL CEILING

Sheet No: A501

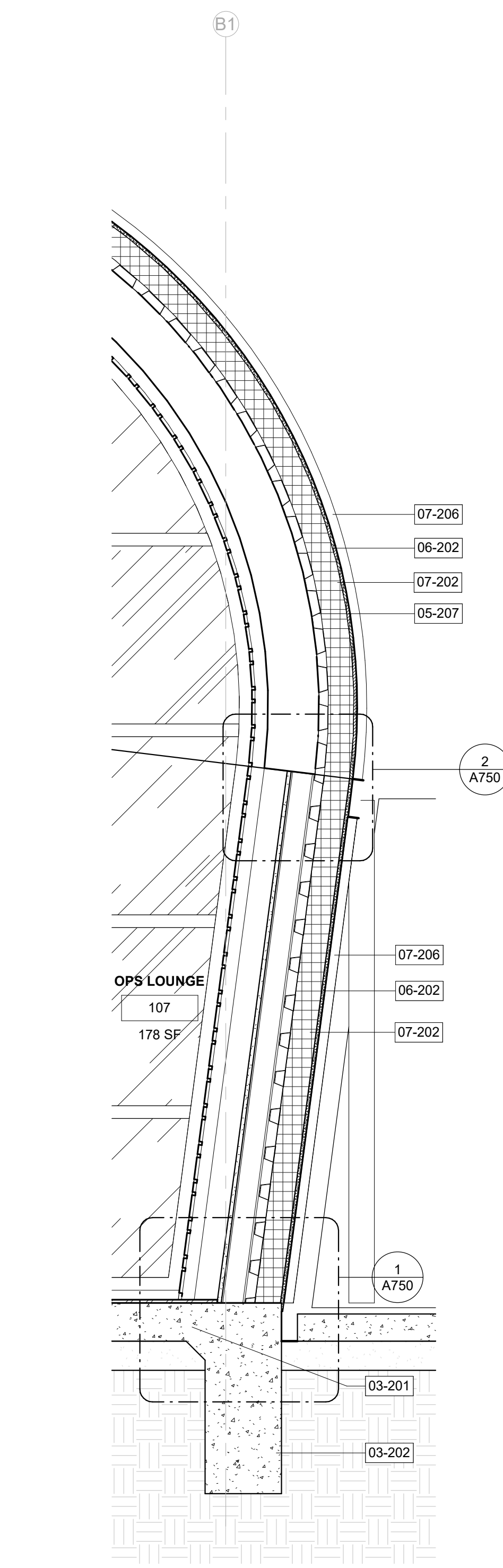
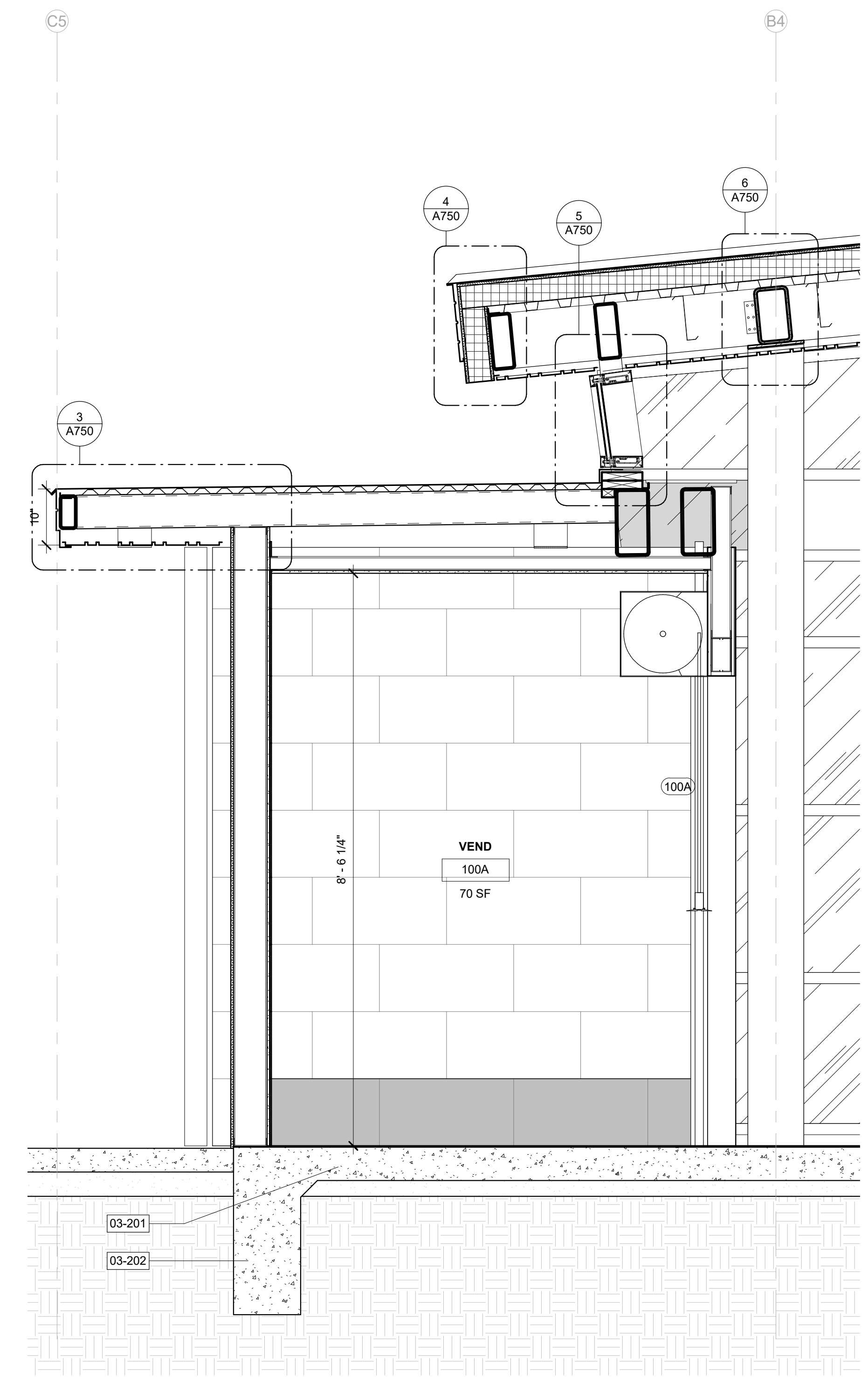
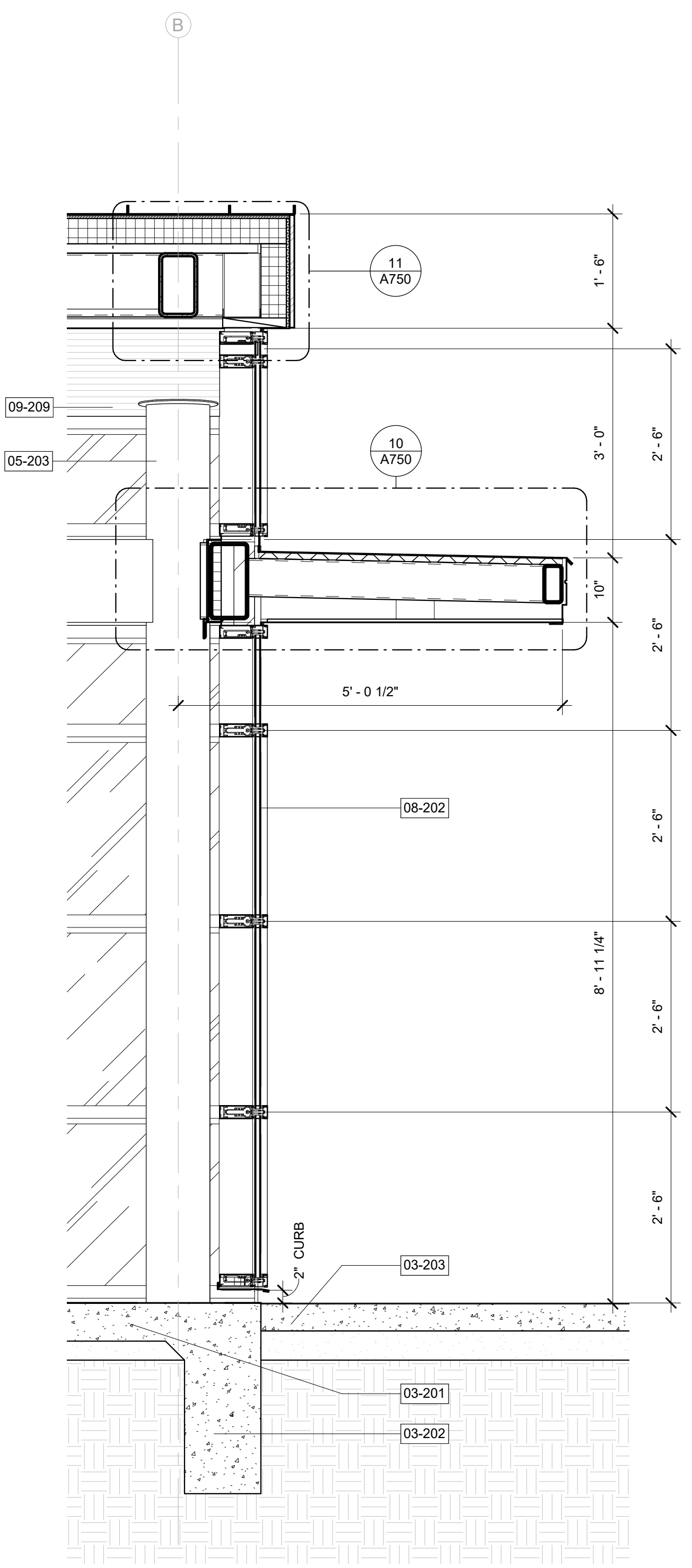
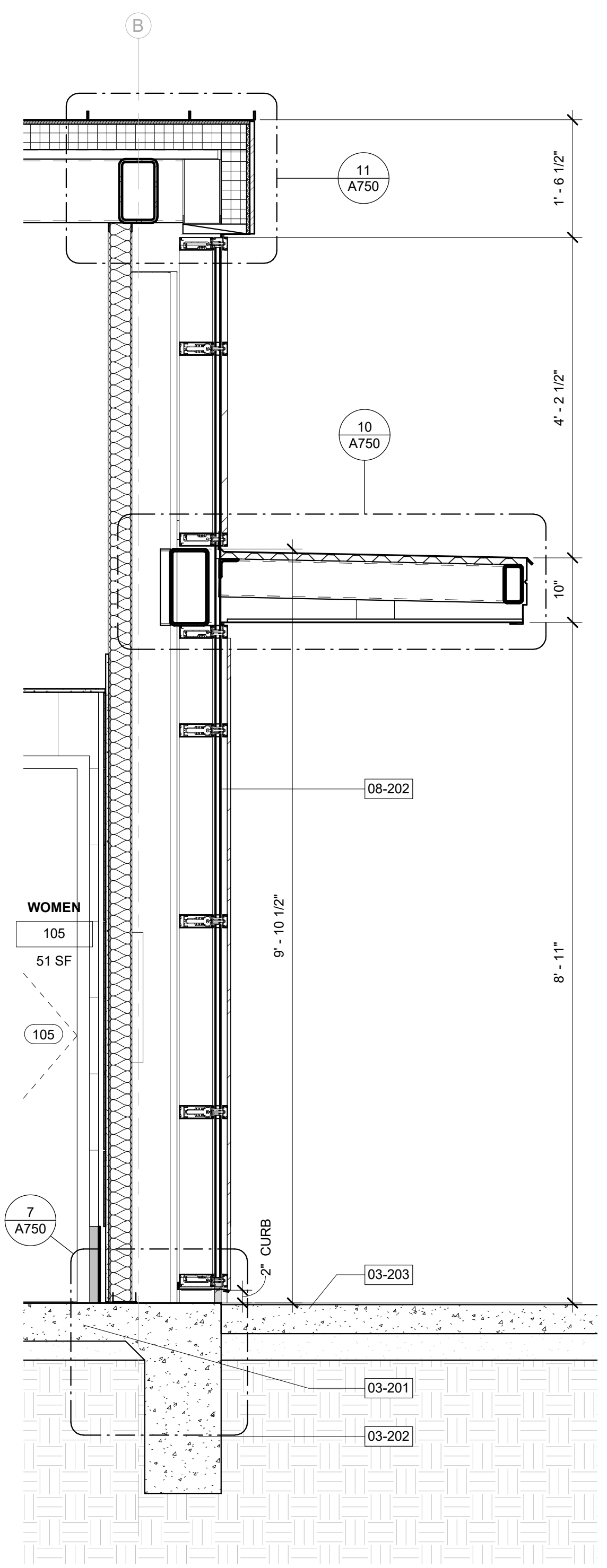
EAST BATON ROUGE PARISH  
 CITY PROJECT: 16-CI-US-0032  
 STATE PROJECT: XXX-XXX-XXX-XXX

DESIGNED / CHECKED / TK  
 DETAILED / CHECKED / TK  
 DATE / SHEET: 8/06/2022 / A501

NO.	DATE	REVISION DESCRIPTION	BY



ARCHITECTURAL WALL SECTIONS  
 NORTH TRANSIT CENTER



WAITING  
 100  
 546 SF

WOMEN  
 105  
 51 SF

VEND  
 100A  
 70 SF

OPS LOUNGE  
 107  
 178 SF

4 WALL SECTION  
 A201/A501 3/4" = 1'-0"

3 WALL SECTION  
 A201/A501 3/4" = 1'-0"

2 WALL SECTION  
 A201/A501 3/4" = 1'-0"

1 WALL SECTION  
 A201/A501 3/4" = 1'-0"

**KEYNOTES**

- 05-203 STEEL BEAM, REF: STRUCTURAL
- 07-211 METAL FASCIA
- 08-201 DOOR AS SCHEDULED
- 08-202 CURTAINWALL
- 08-204 1" INSULATED VISION GLASS
- 08-206 3/8" LAMINATED SAFETY GLASS
- 09-205 WALL TILE, CT-2
- 09-206 FLOOR TILE/ TILE BASE, CT-1/TB-1
- 09-209 LINEAR METAL CEILING
- 09-211 SOLID SURFACE COUNTERTOP
- 09-213 RUBBER BASE
- 09-217 TICKETING CASEWORK
- 09-218 TRANSACTION COUNTER
- 10-208 RECESSED FIRE EXTINGUISHER CABINET
- 10-209 ROOM SIGNAGE, RE: A930

Sheet No: A601

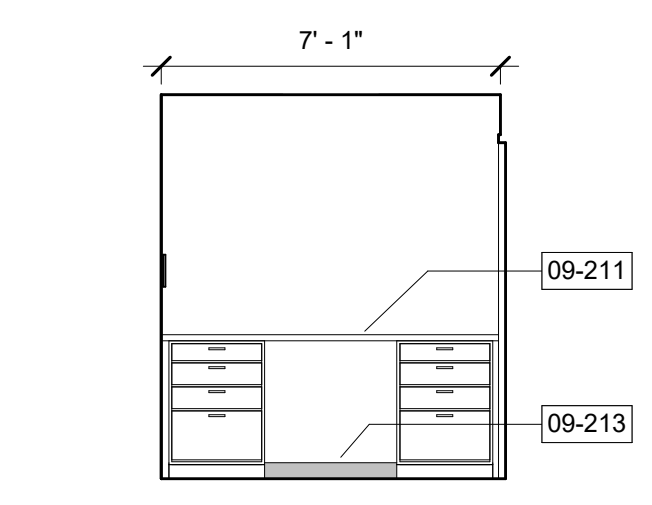
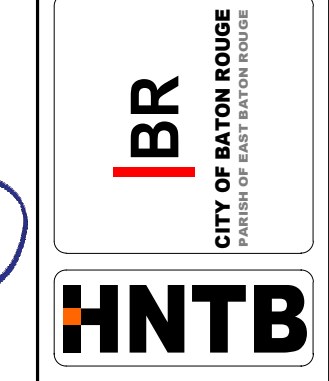
EAST BATON ROUGE PARISH  
 CITY PROJECT: 16-CI-US-0032  
 STATE PROJECT: XXX-XXX-XXX-XXX

DESIGNED: [ ]  
 CHECKED: [ ]  
 DETAILED: [ ]  
 CHECKED: [ ]  
 DATE: 8/6/2022  
 SHEET: A601

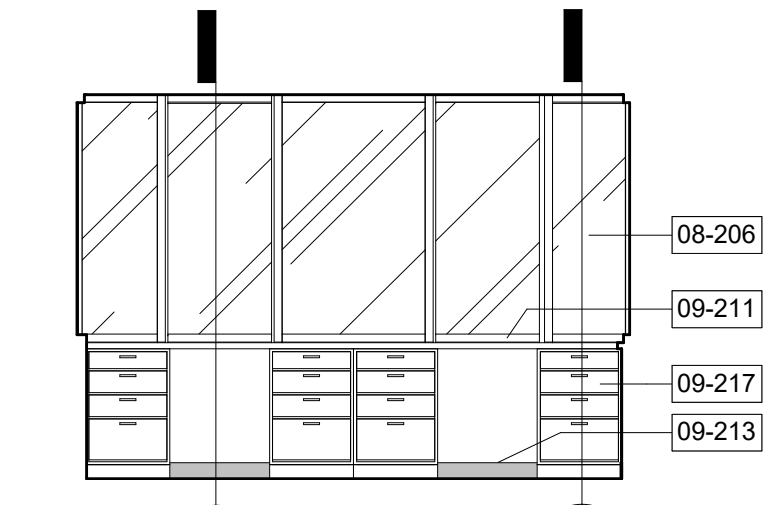
NO.	DATE	REVISION DESCRIPTION	BY



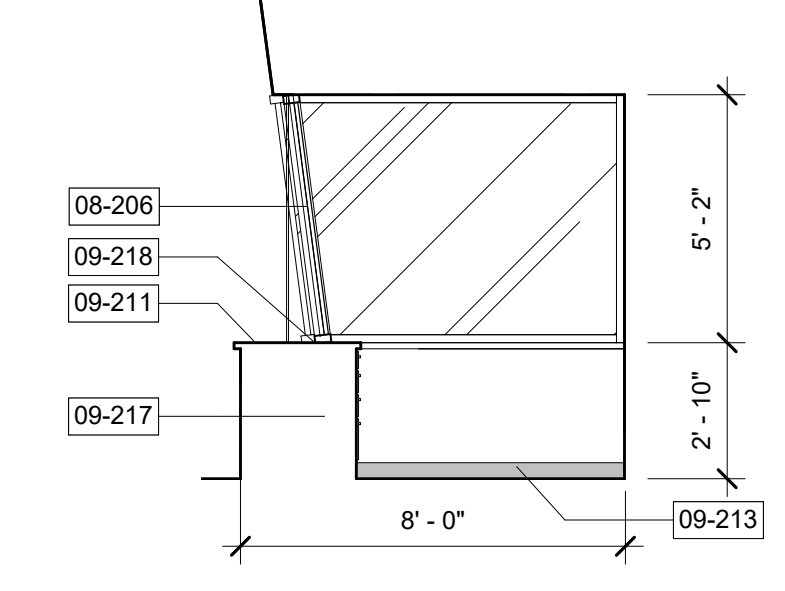
ARCHITECTURAL  
 INTERIOR ELEVATIONS  
 NORTH TRANSIT CENTER



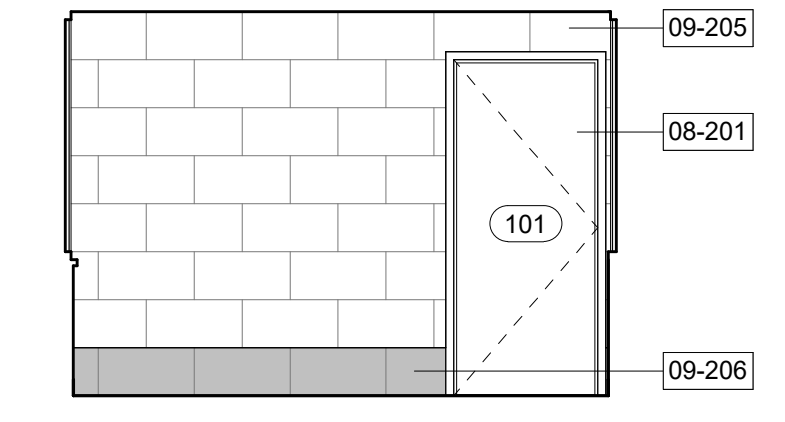
11  
 A201/A601  
 102 SEC / WORK - EAST  
 1/4" = 1'-0"



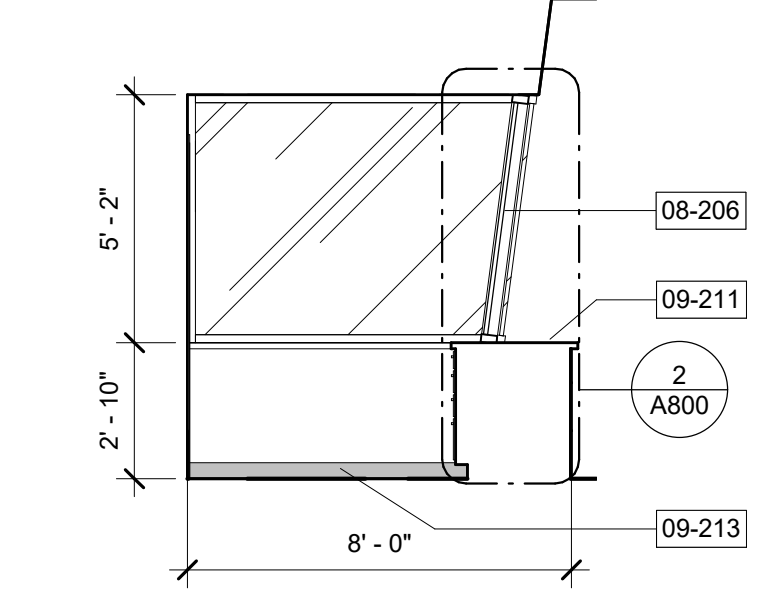
10  
 A201/A601  
 101 TICKETING - NORTH  
 1/4" = 1'-0"



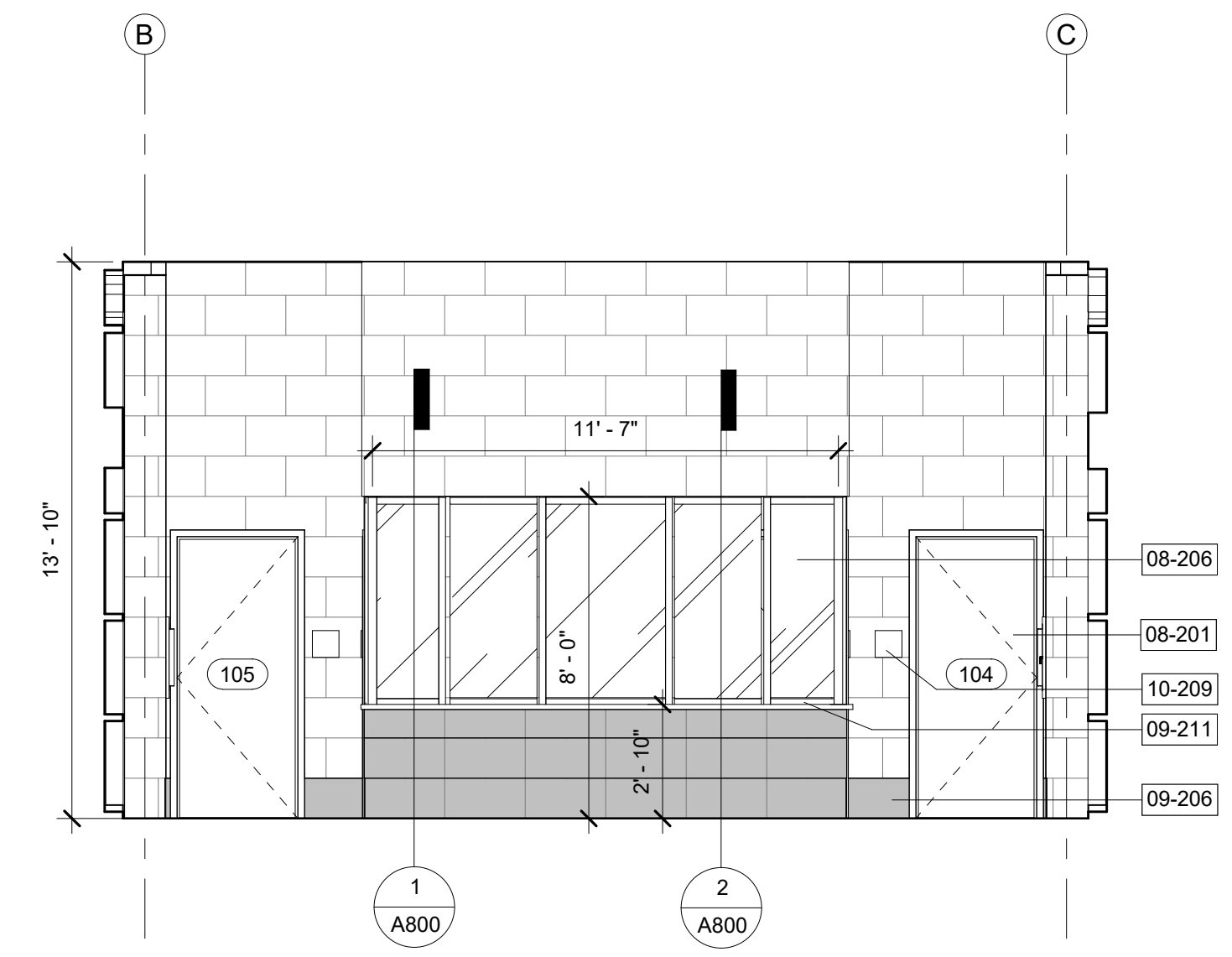
9  
 A201/A601  
 101 TICKETING - EAST  
 1/4" = 1'-0"



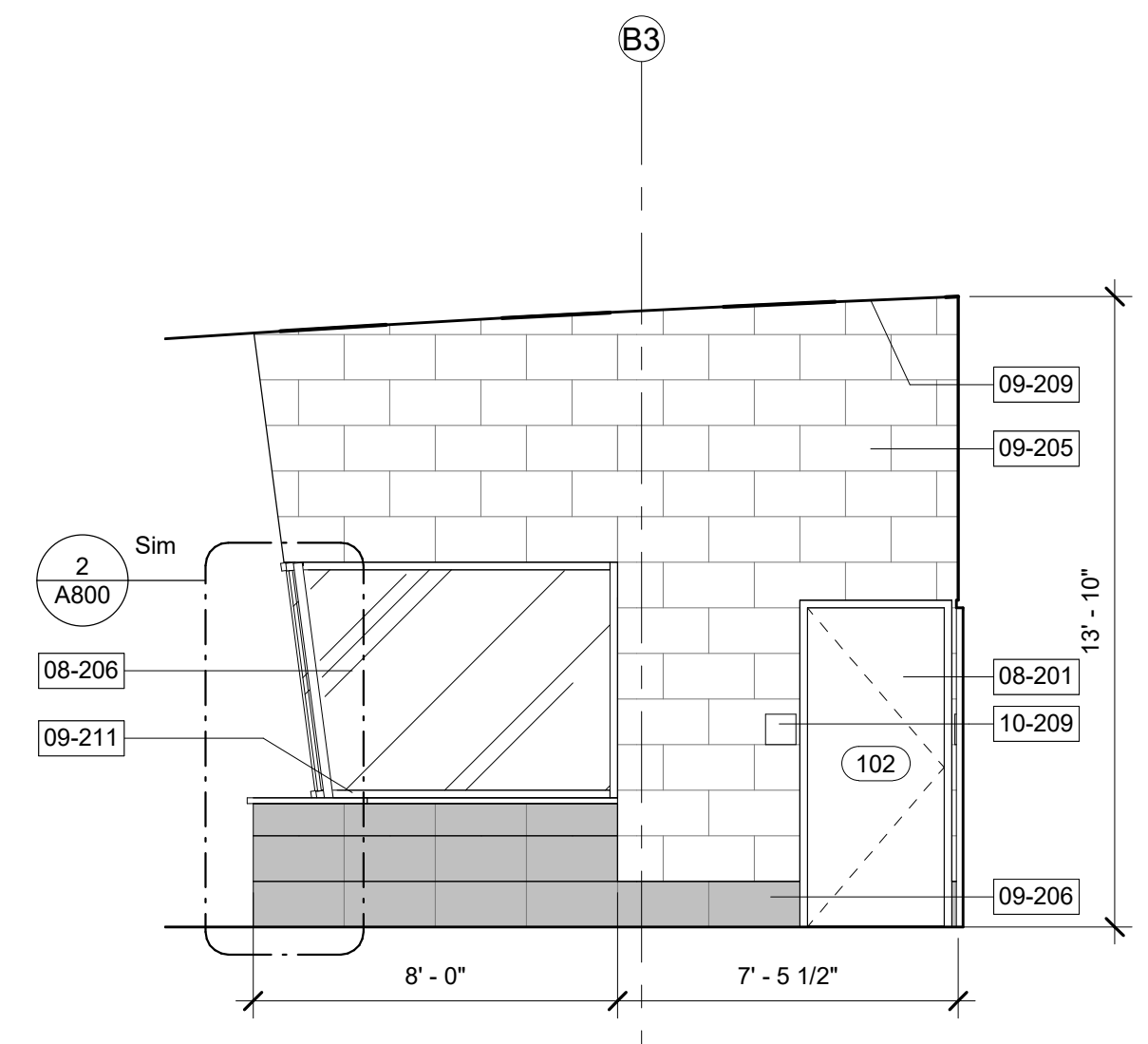
8  
 A201/A601  
 101 TICKETING - SOUTH  
 1/4" = 1'-0"



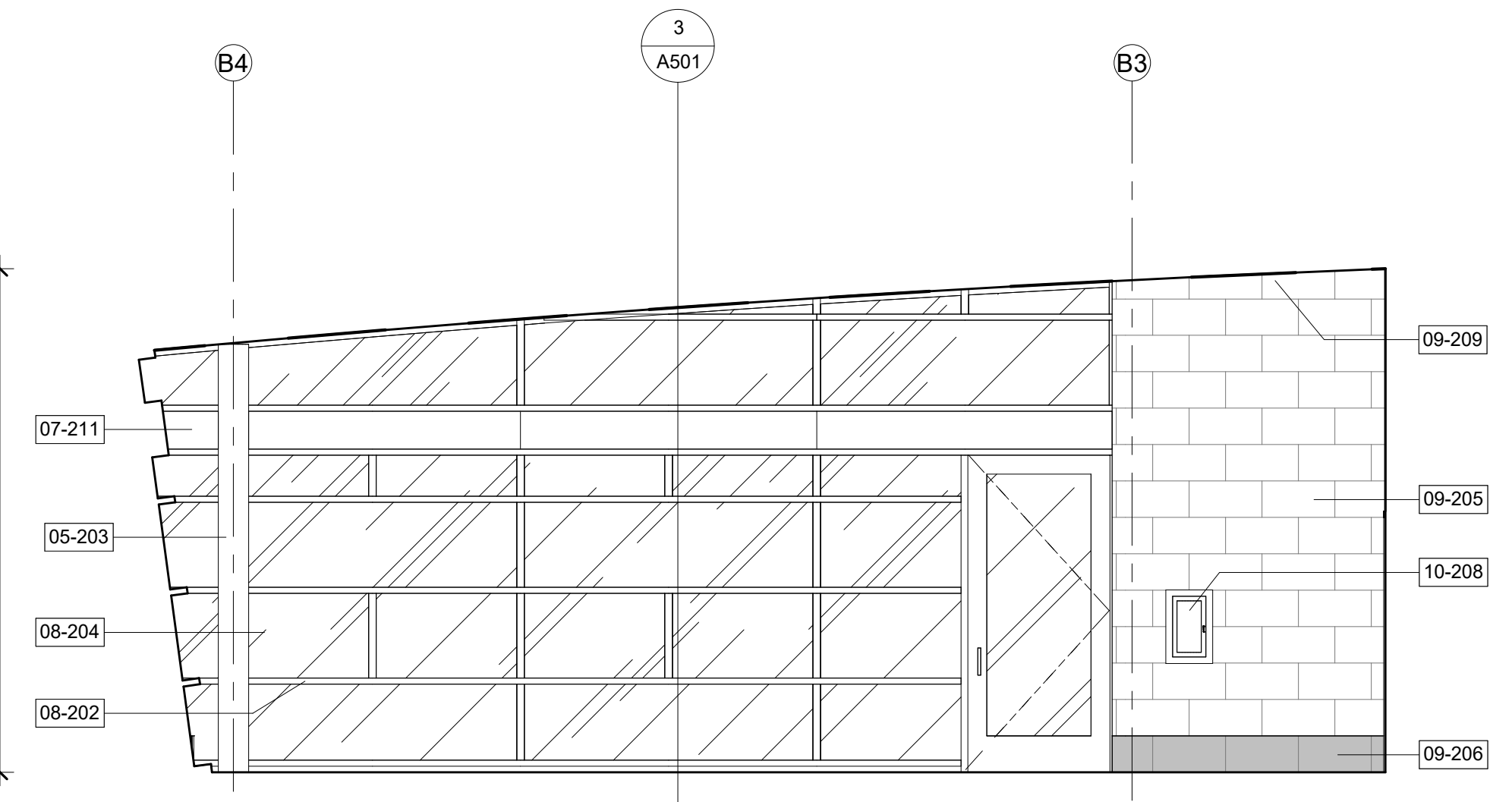
7  
 A201/A601  
 101 TICKETING - WEST  
 1/4" = 1'-0"



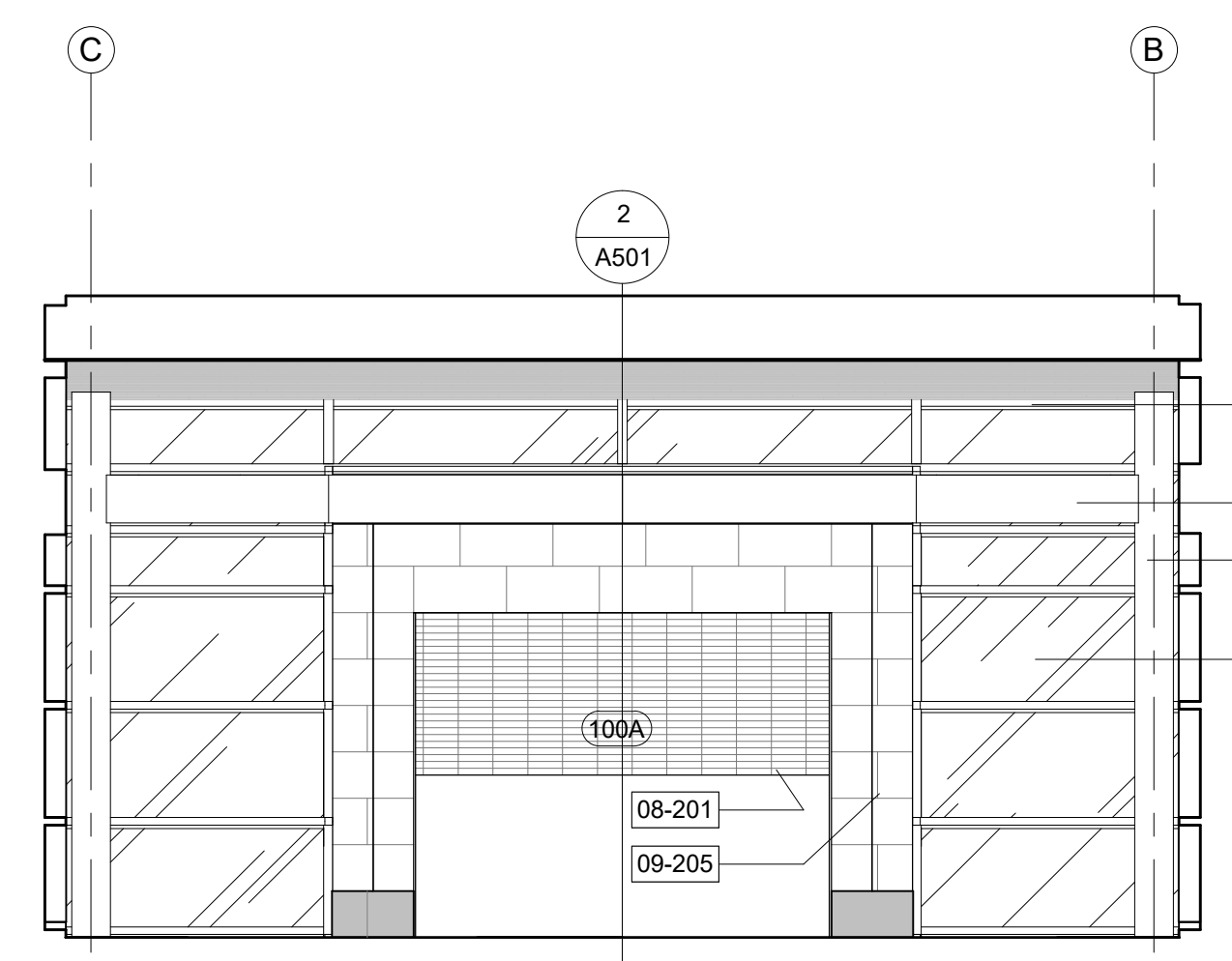
6  
 A201/A601  
 100 WAITING - SOUTH  
 1/4" = 1'-0"



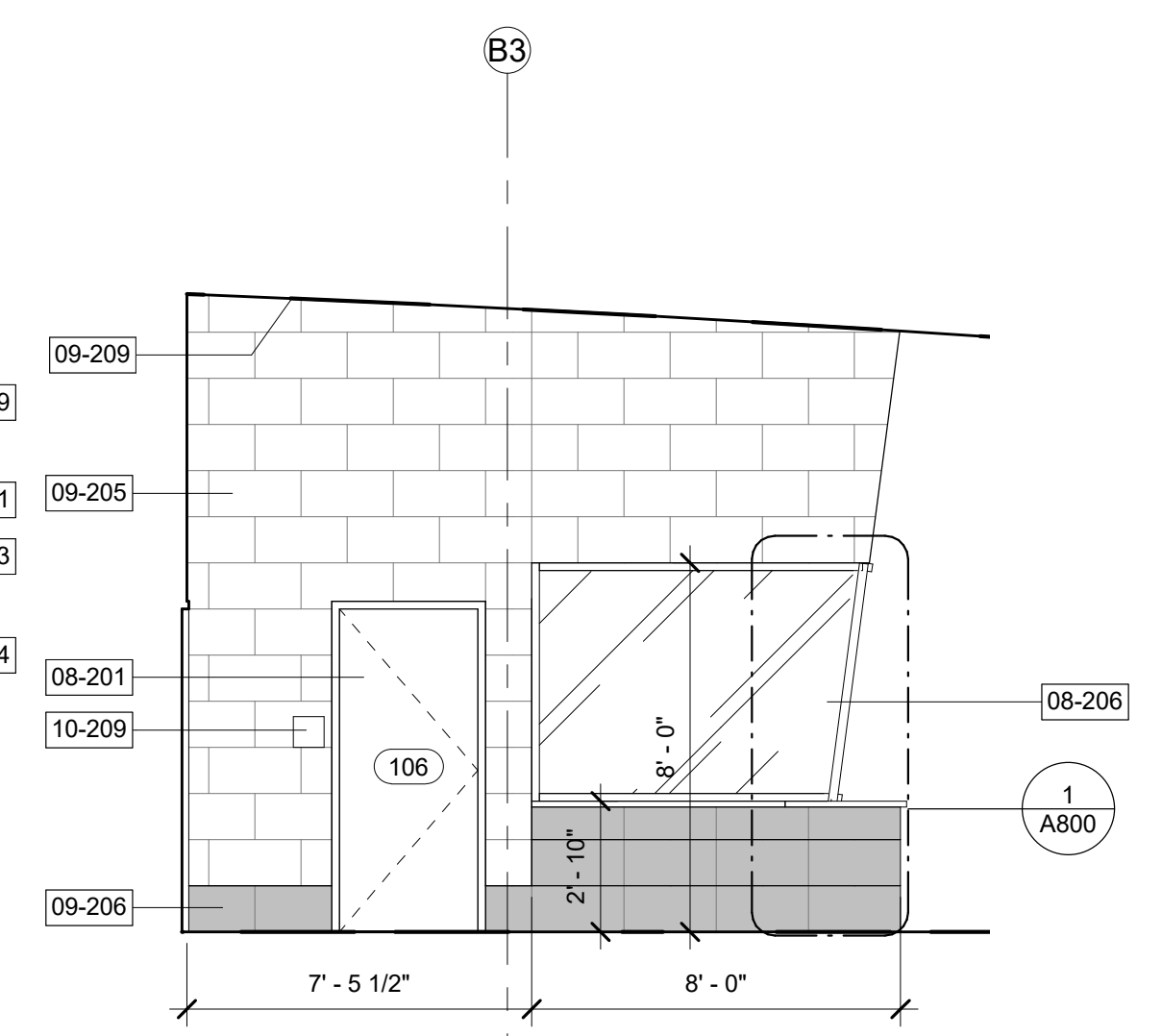
5  
 A201/A601  
 100 WAITING TICKET BOOTH WEST  
 1/4" = 1'-0"



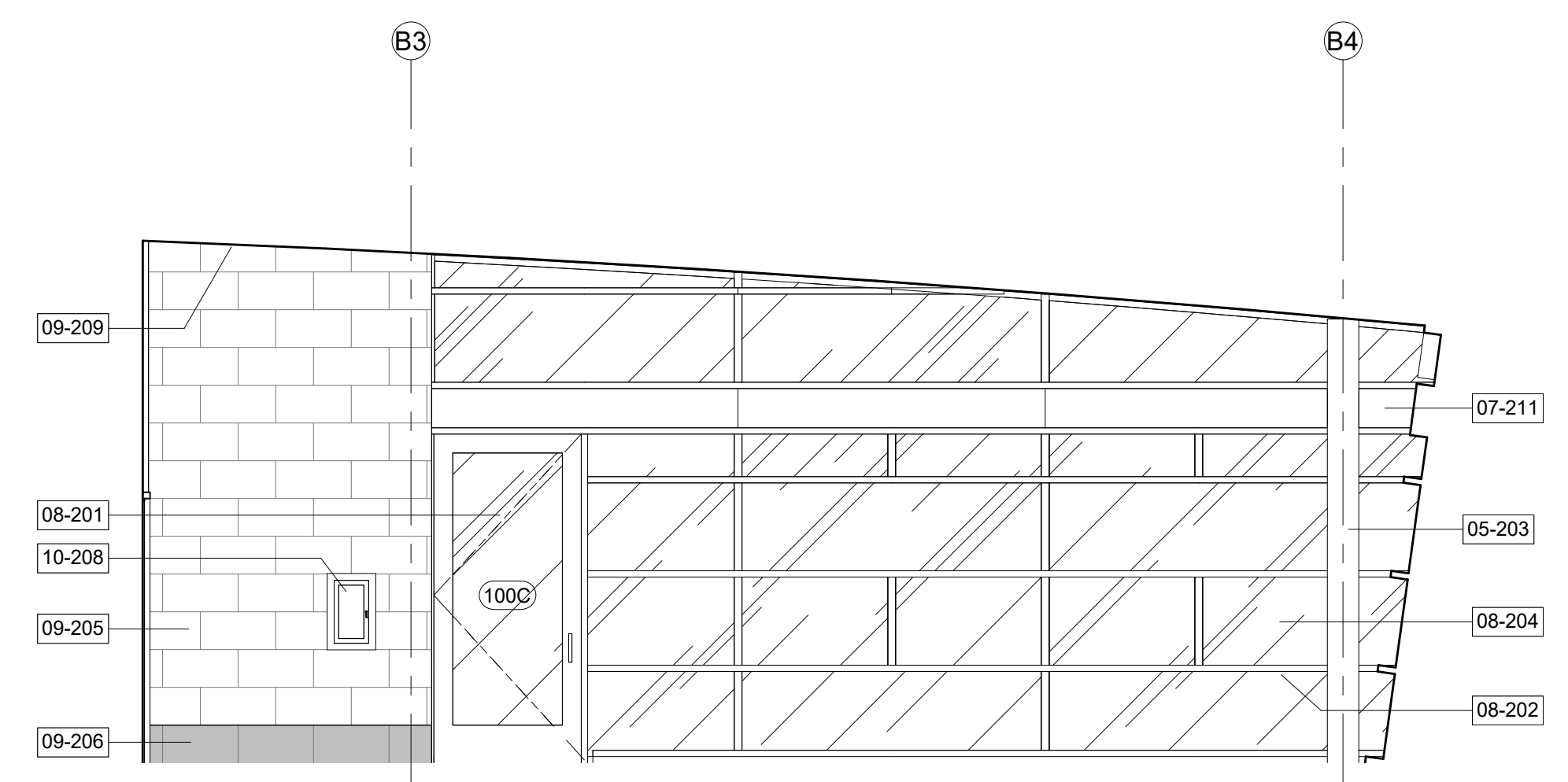
4  
 A201/A601  
 100 WAITING - EAST  
 1/4" = 1'-0"



3  
 A201/A601  
 100 WAITING - NORTH  
 1/4" = 1'-0"



2  
 A201/A601  
 100 WAITING - TICKET BOOTH EAST  
 1/4" = 1'-0"

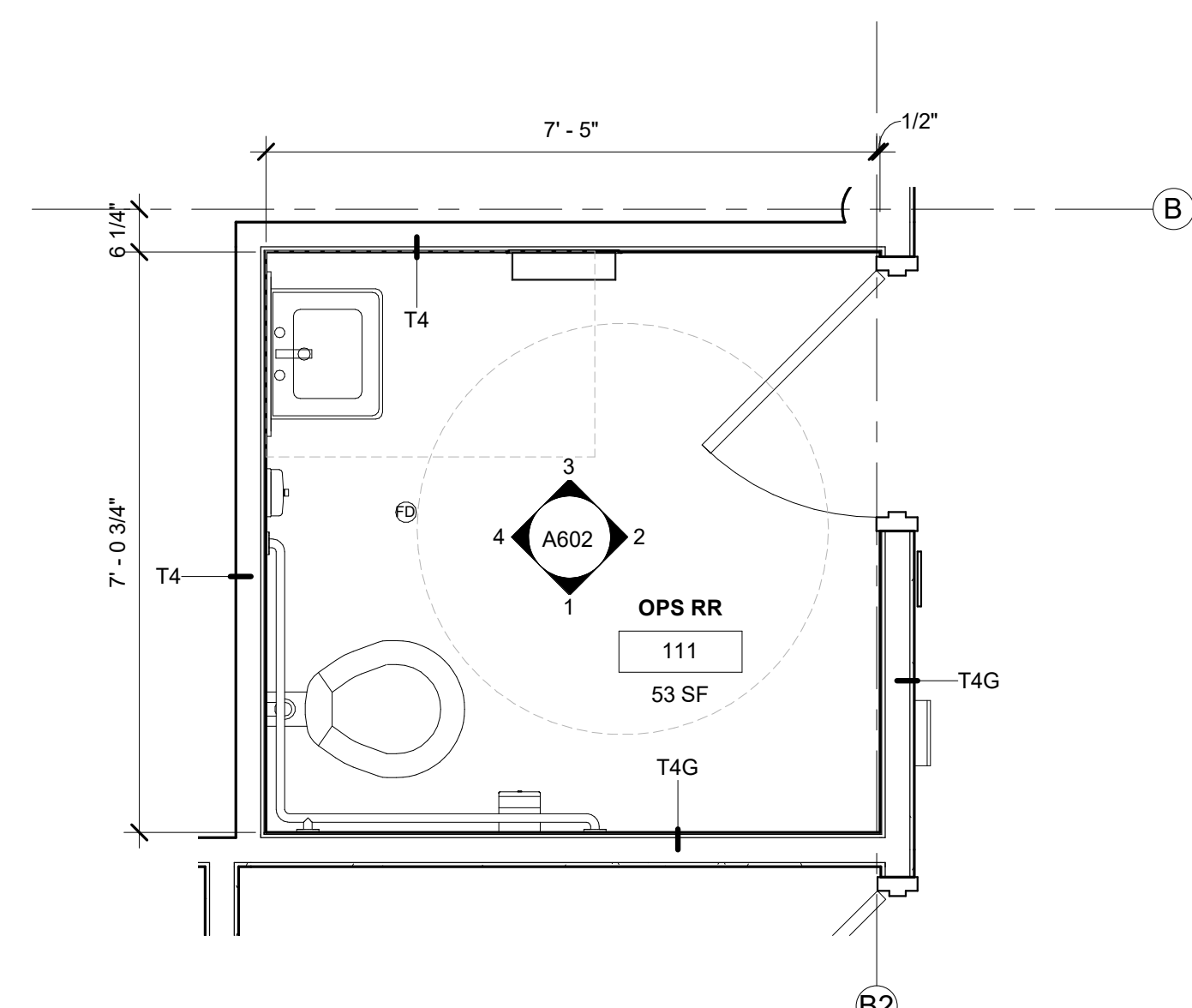


1  
 A201/A601  
 100 WAITING - WEST  
 1/4" = 1'-0"

**KEYNOTES**

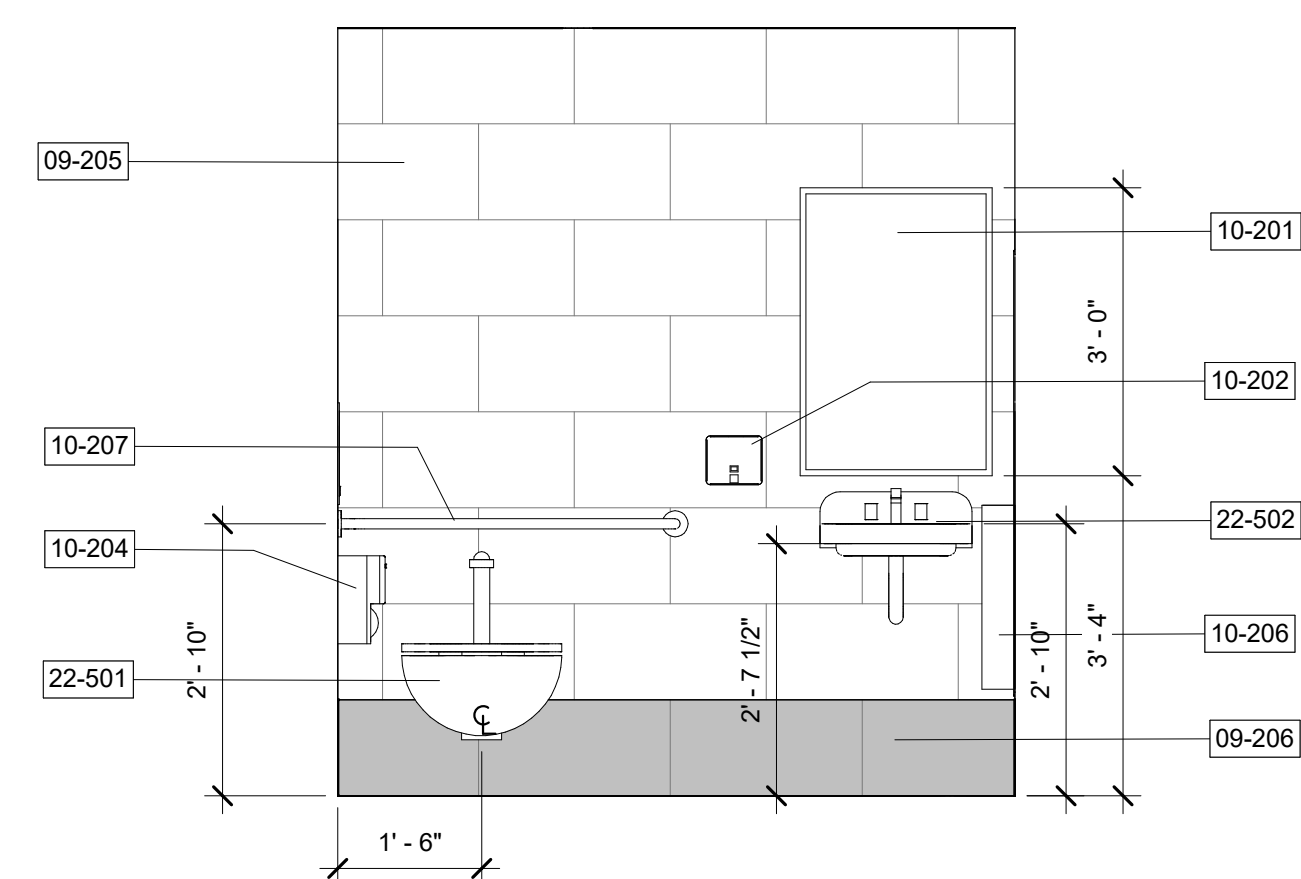
- 09-205 WALL TILE, CT-2
- 09-206 FLOOR TILE/ TILE BASE, CT-1/TB-1
- 10-201 WALL MOUNTED MIRROR, BOBRICK B-290 OR APPROVED EQUAL. CENTER ABOVE LAVATORY, MOUNT LOWER EDGE OF REFLECTIVE SURFACE NO HIGHER THAN 40" AFF.
- 10-202 SOAP DISPENSER, BOBRICK B-4112 OR APPROVED EQUAL. REF: A003 SEC 604 FOR MOUNTING INFORMATION.
- 10-203 TOILET PAPER DISPENSER, BOBRICK B-2288 OR APPROVED EQUAL. REF: A003 SEC 604 FOR MOUNTING INFORMATION.
- 10-204 SEAT COVER DISPENSER, BOBRICK B-301 OR APPROVED EQUAL.
- 10-206 COMBO PAPER TOWEL DISPENSER / WASTE, BOBRICK B-39444 OR APPROVED EQUAL.
- 10-207 BRUSHED STAINLESS STEEL GRAB BAR, BOBRICK B-58616 OR APPROVED EQUAL. REF: A003 SEC 604 FOR MOUNTING INFORMATION.
- 22-501 WALL HUNG TOILET, REF: PLUMBING
- 22-502 WALL HUNG LAVATORY, REF: PLUMBING

Sheet No:	A602
DESIGNED / CHECKED / TK	DATE / SHEET
DETAILS / CHECKED / TK	8/6/2022 / A602
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	XXX-XXX-XXX-XXX
NO.	DATE
REVISION DESCRIPTION	BY

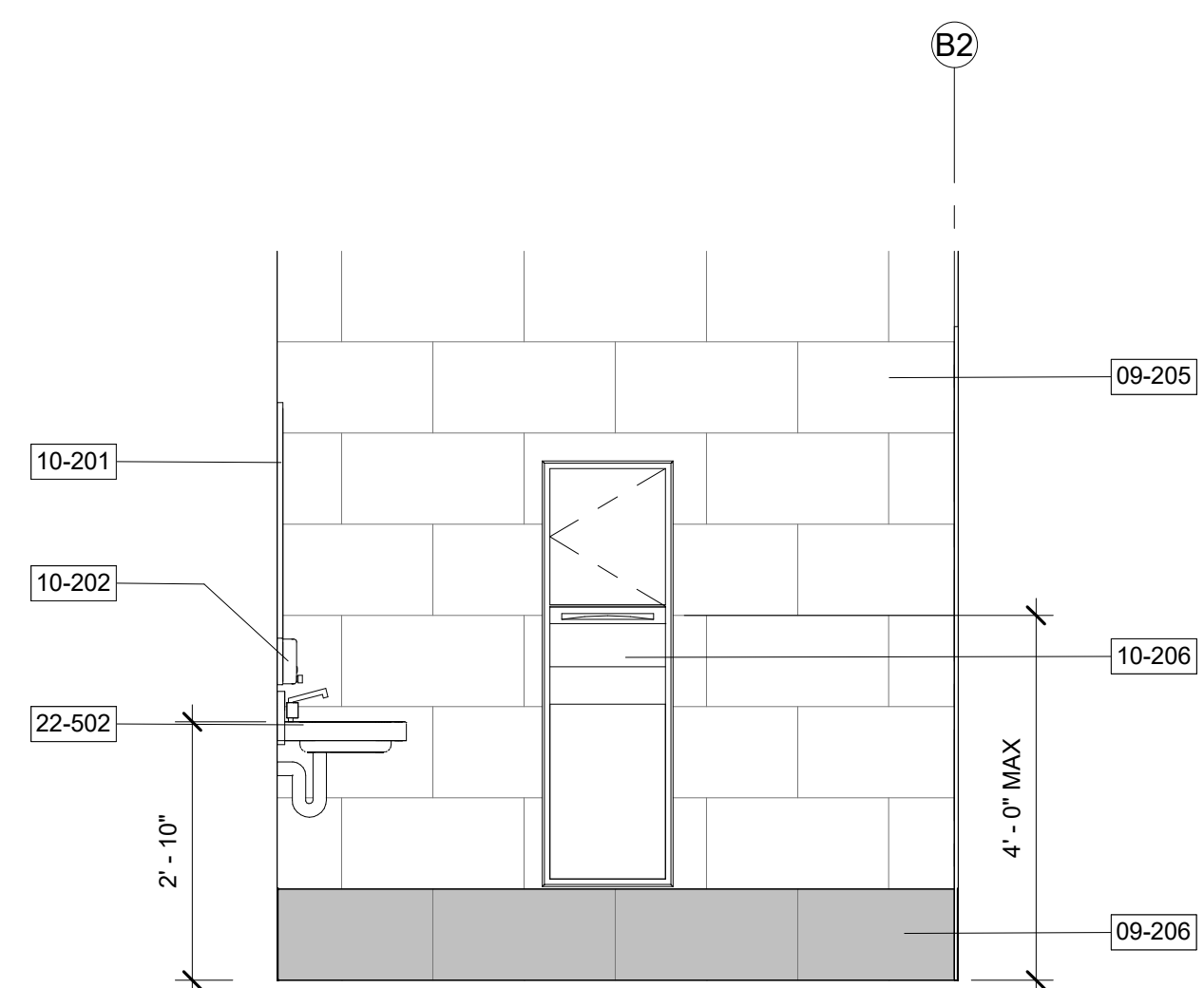


5  
A201/A602 1/2" = 1'-0"  
**111 OPS RR - ENLARGED PLAN TYP.**

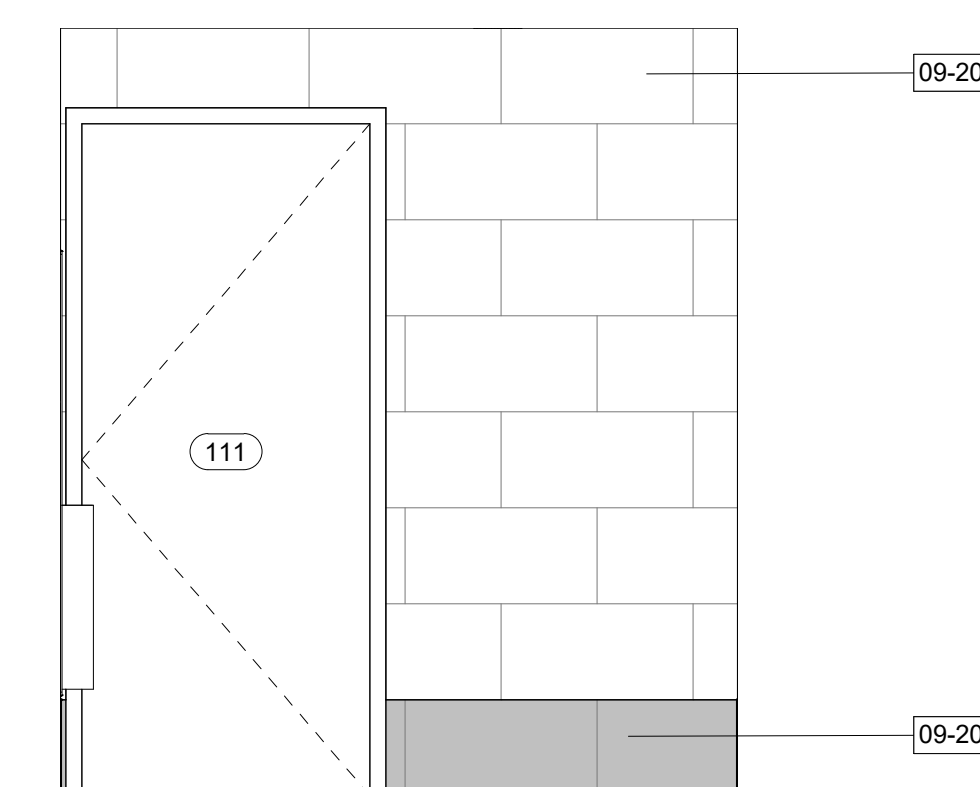
NOTE: REFER TO A005 FOR TYPICAL MOUNTING HEIGHTS FOR FIXTURES AND ACCESSORIES



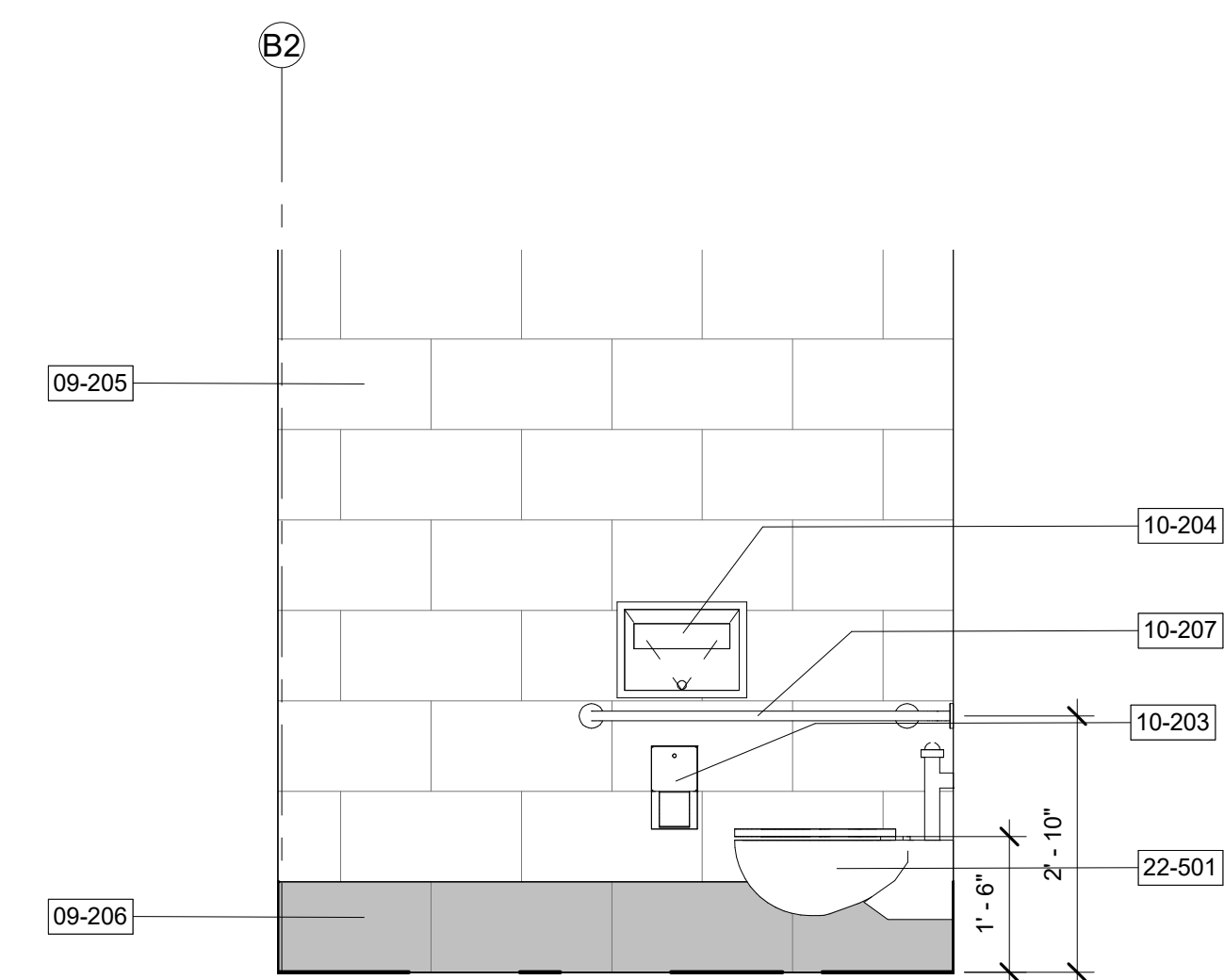
4  
A602/A602 1/2" = 1'-0"  
**111 OPS RR - NORTH**



3  
A602/A602 1/2" = 1'-0"  
**111 OPS RR - EAST**



2  
A602/A602 1/2" = 1'-0"  
**111 OPS RR - SOUTH**



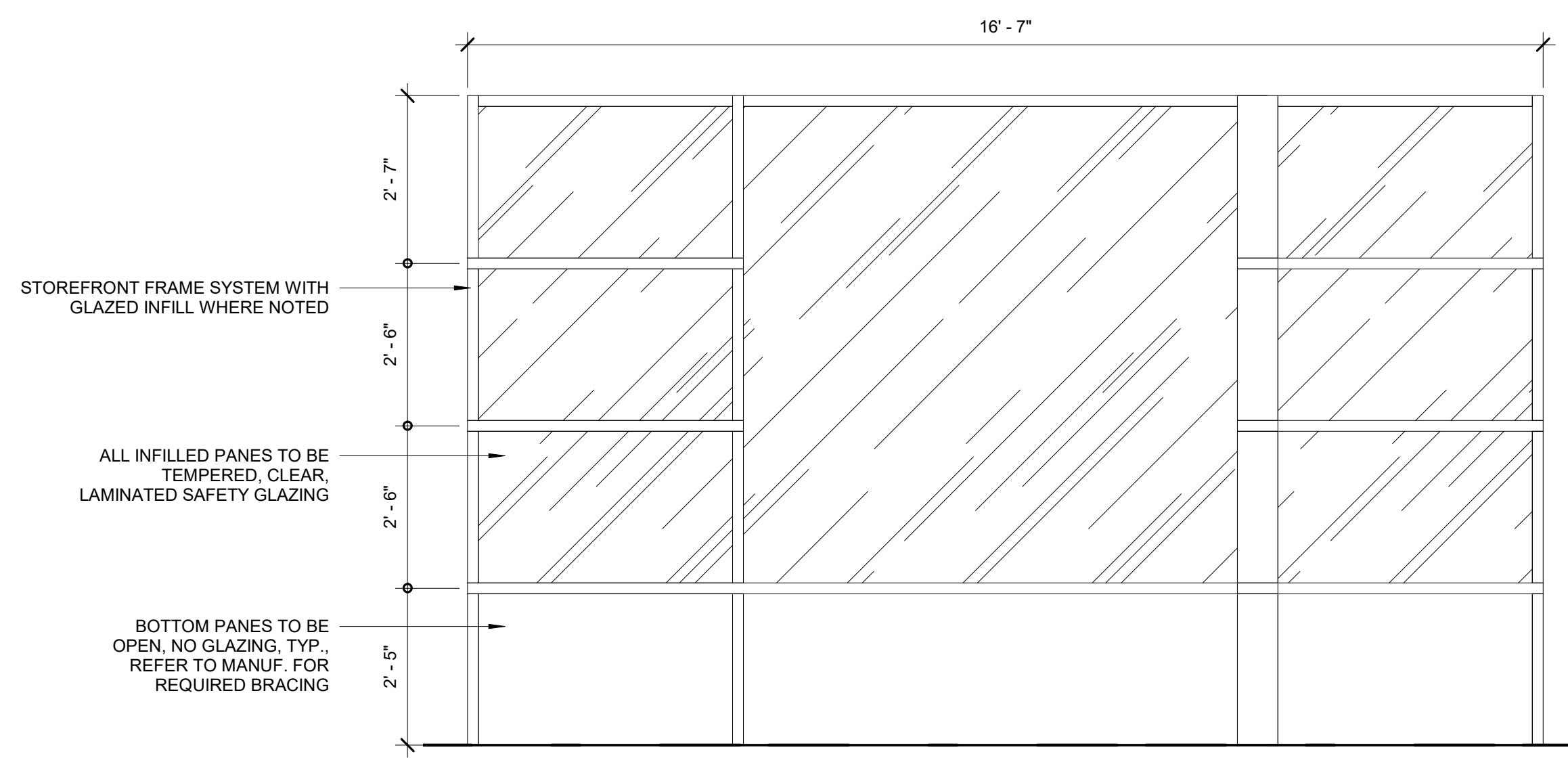
1  
A602/A602 1/2" = 1'-0"  
**111 OPS RR - WEST**



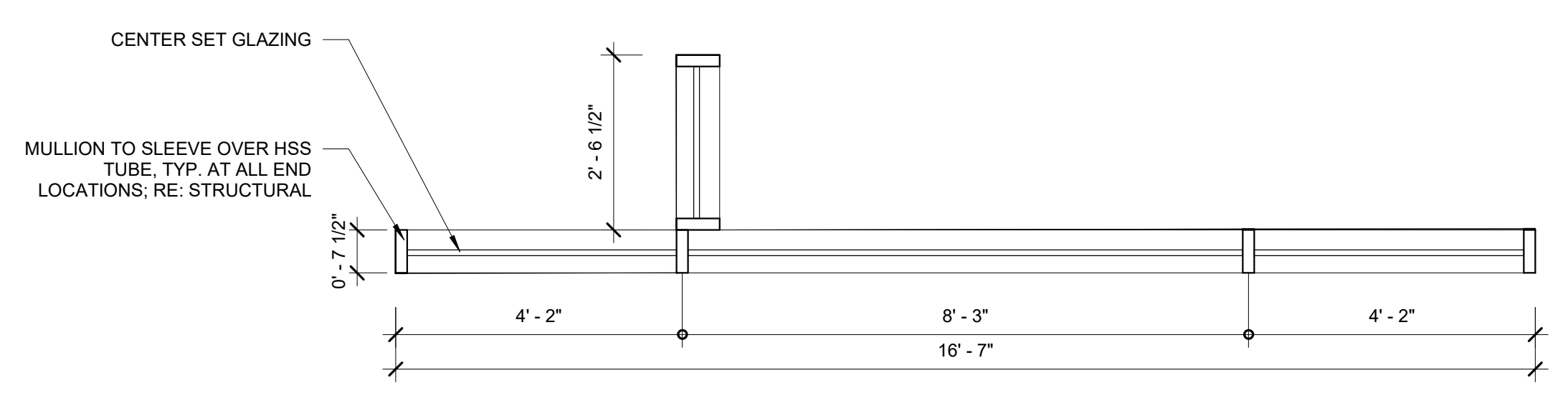
ARCHITECTURAL  
INTERIOR ELEVATIONS  
NORTH TRANSIT CENTER



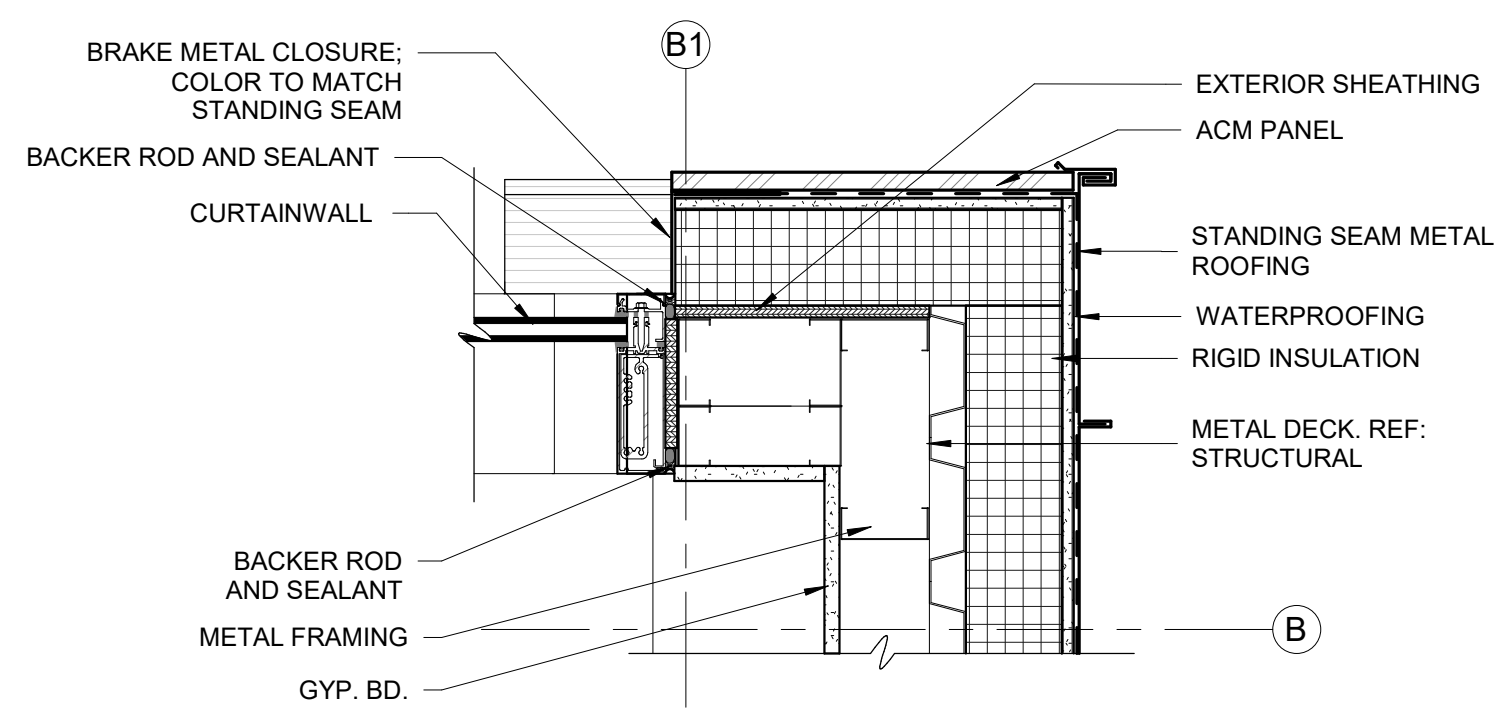
Sheet No:	A700
DESIGNED / CHECKED / TK	8/6/2022 / A700
DETAILS / CHECKED / TK	8/6/2022 / A700
DATE / SHEET	8/6/2022 / A700
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	XXX-XXX-XXX-XXX
NO.	DATE
REVISION DESCRIPTION	BY



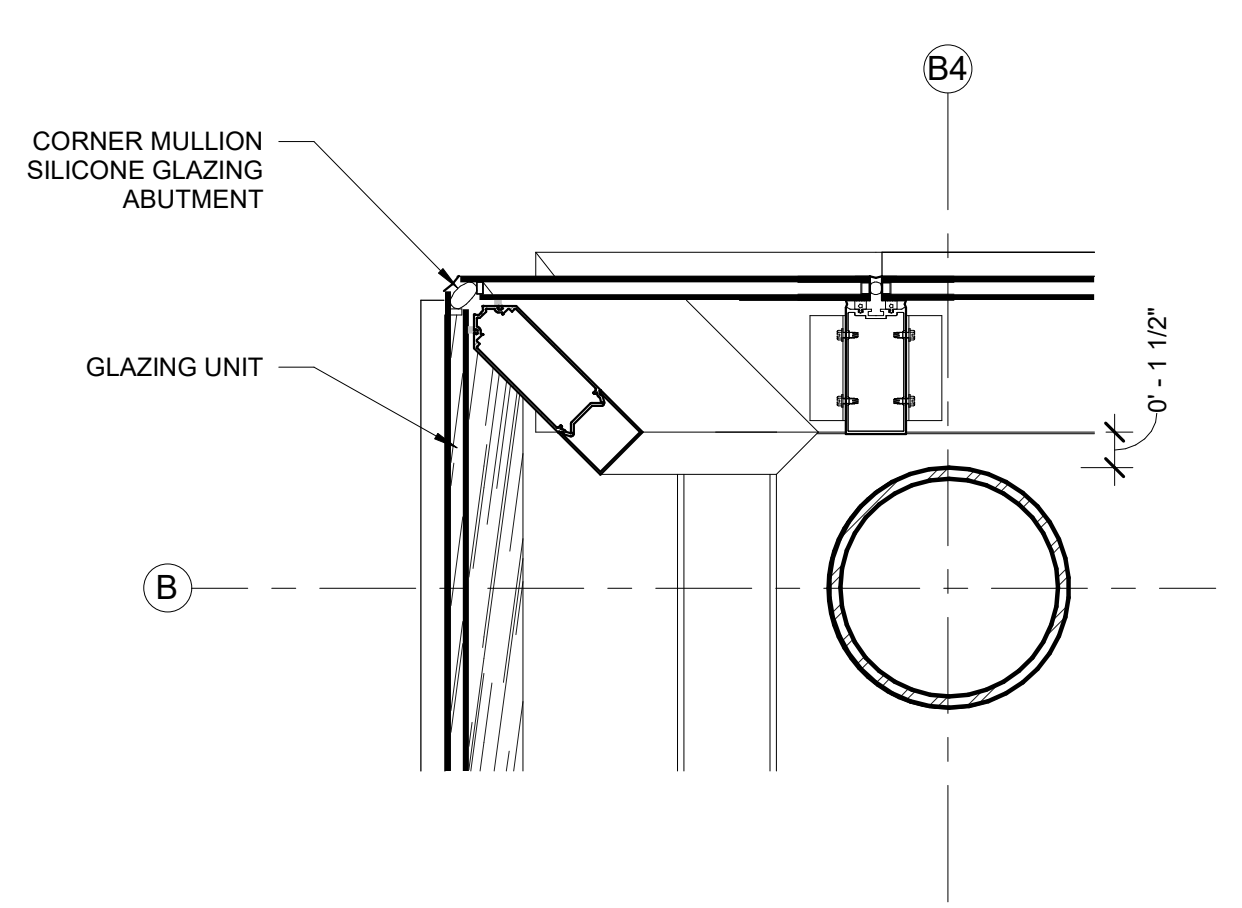
5 TYPICAL SCREENWALL - ELEVATION  
A302/A700 1/2" = 1'-0"



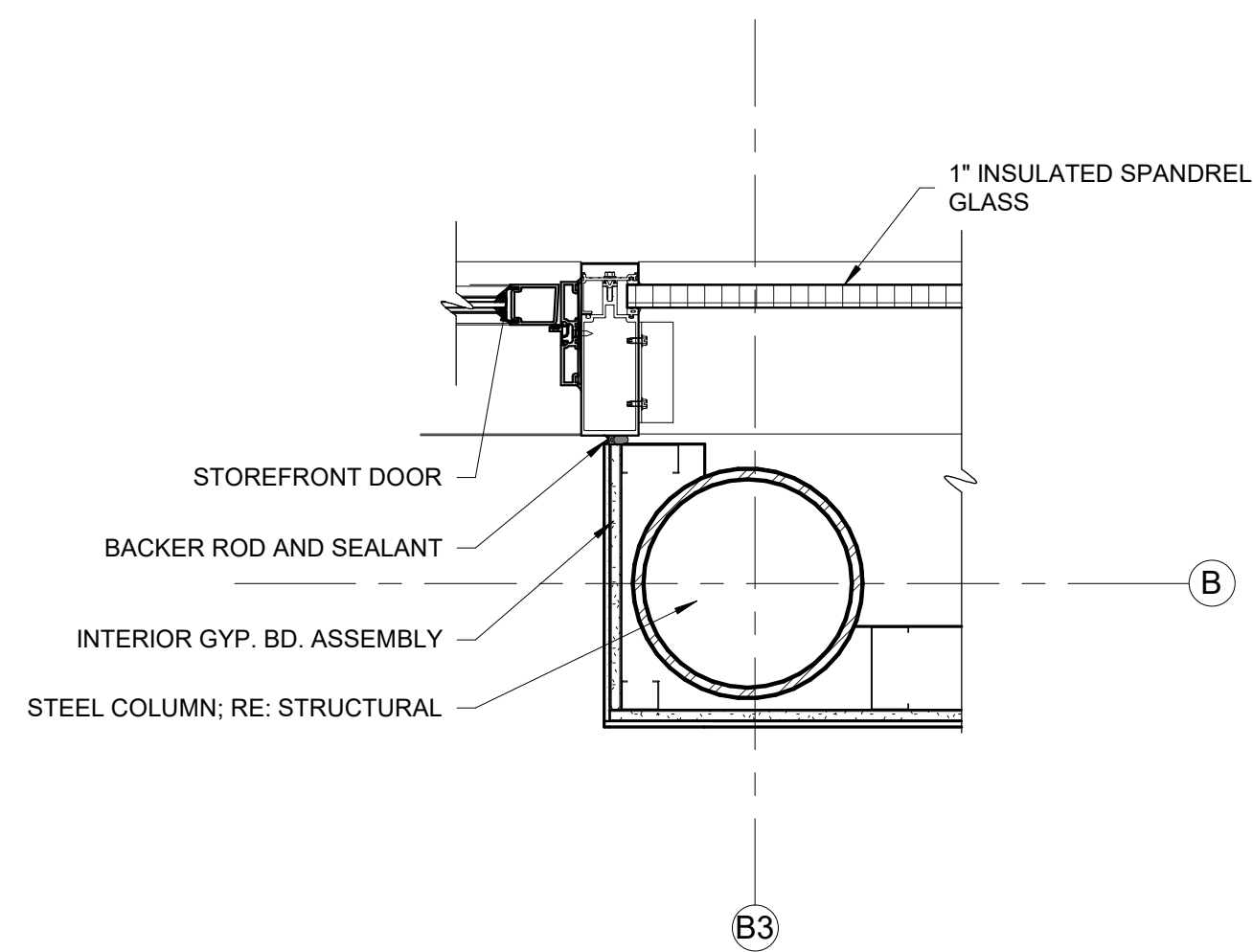
6 TYPICAL SCREEN WALL - PLAN  
A101/A700 1/2" = 1'-0"



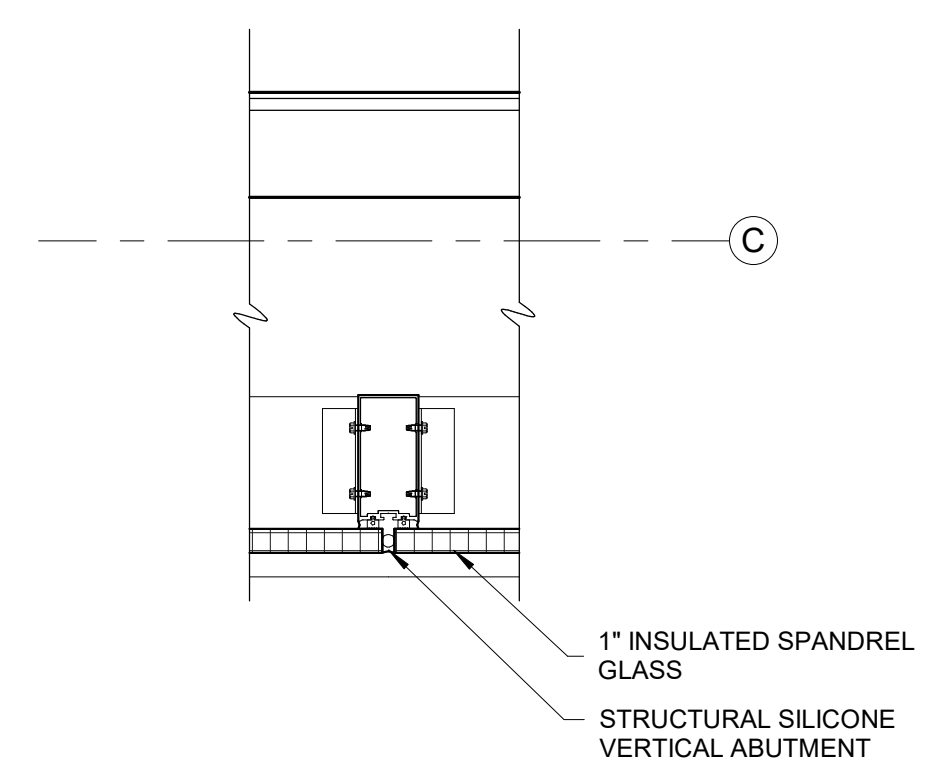
4 PLAN DTL. @ ANGLED EXTERIOR WALL CORNER  
A700 1 1/2" = 1'-0"



3 CORNER CURTAINWALL @ COLUMN  
A201/A700 1 1/2" = 1'-0"



2 DOOR JAMB DETAIL @ COLUMN  
A201/A700 1 1/2" = 1'-0"



1 TYP. SPANDREL JAMB DETAIL  
A201/A700 1 1/2" = 1'-0"



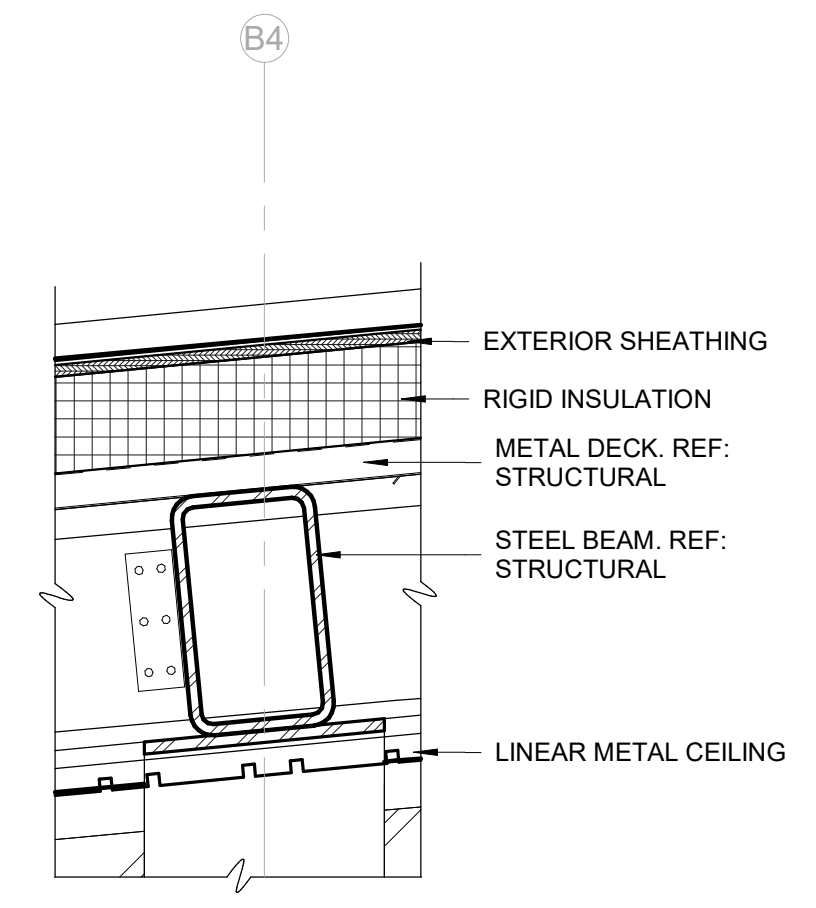
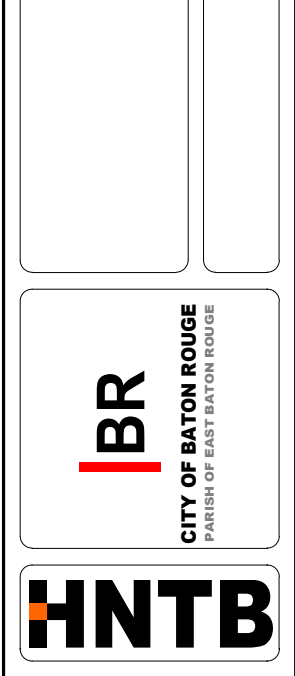
ARCHITECTURAL  
EXTERIOR PLAN & SCREENWALL DETAILS  
NORTH TRANSIT CENTER



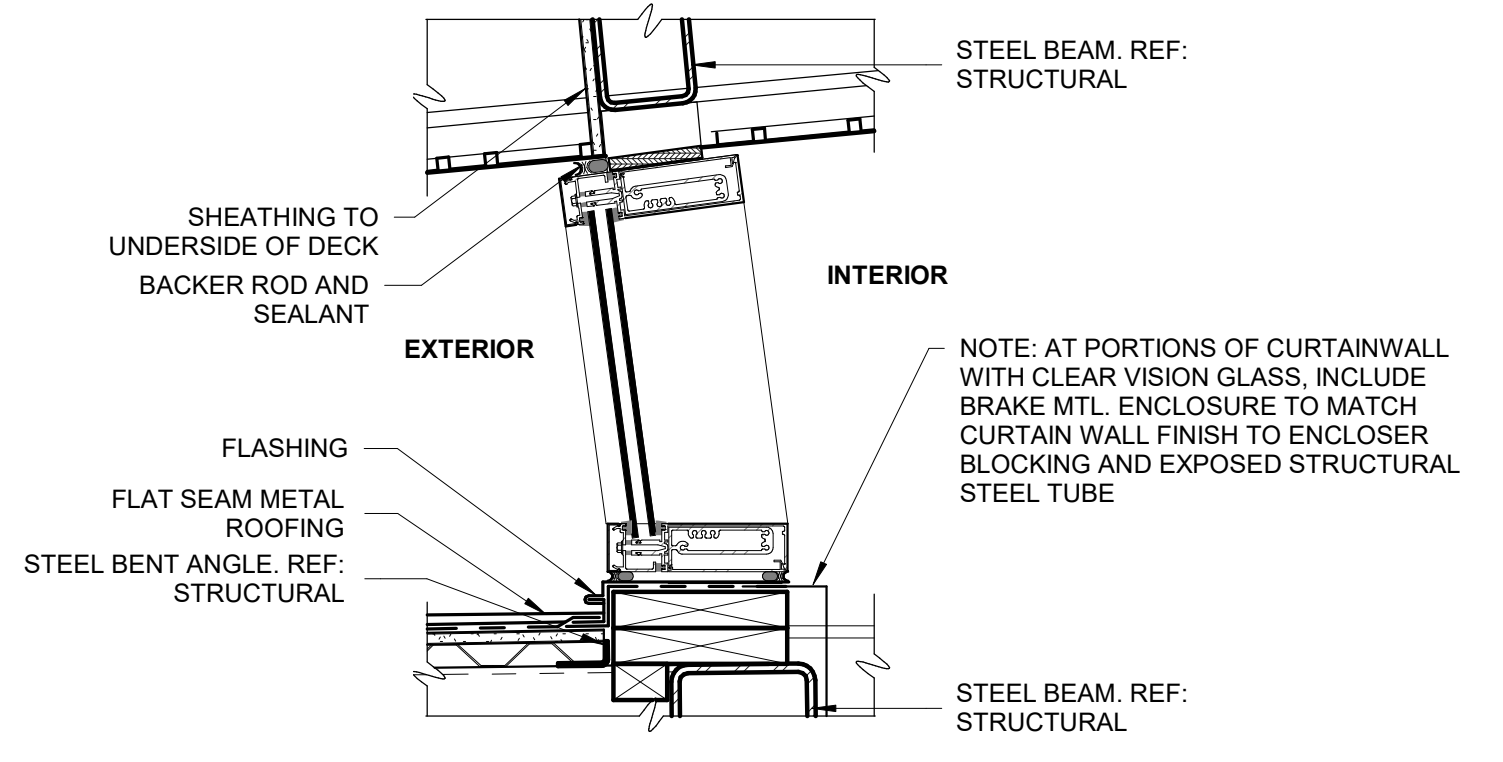
NO.	DATE	REVISION DESCRIPTION	BY



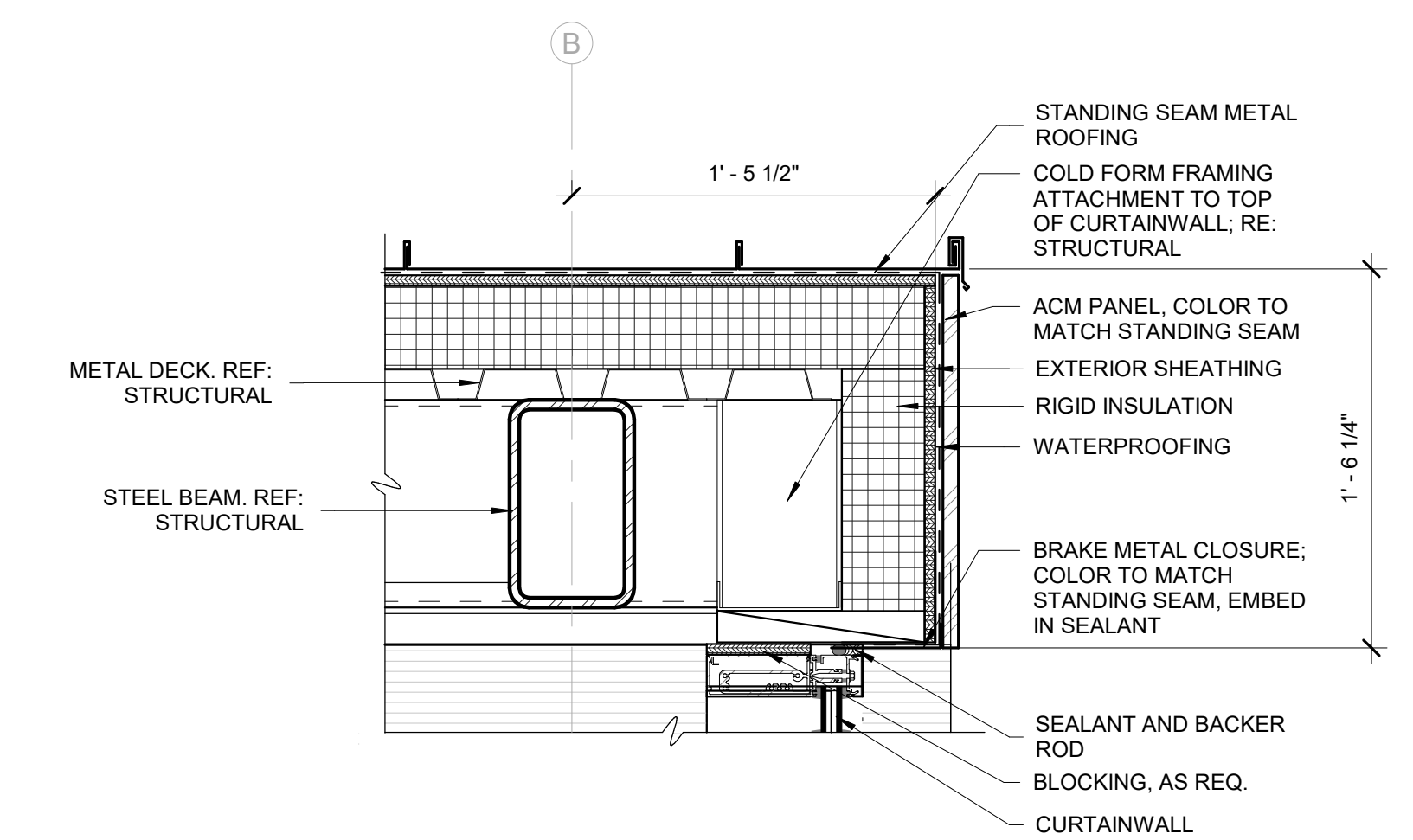
ARCHITECTURAL  
 EXTERIOR SECTION DETAIL  
 NORTH TRANSIT CENTER



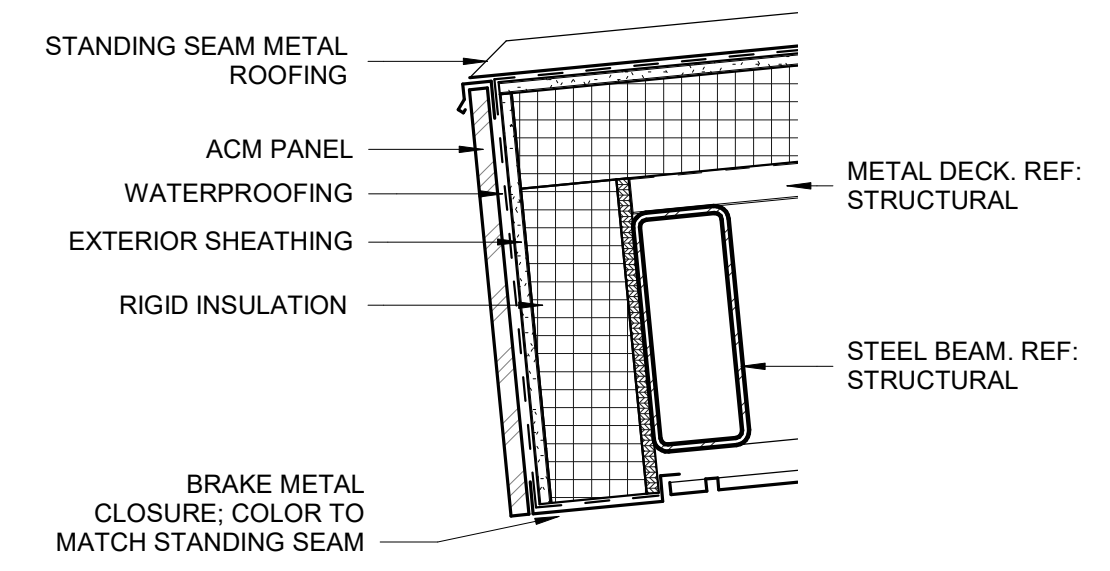
6 ROOF DETAIL @ COLUMN  
 A501 | A750 1 1/2" = 1'-0"



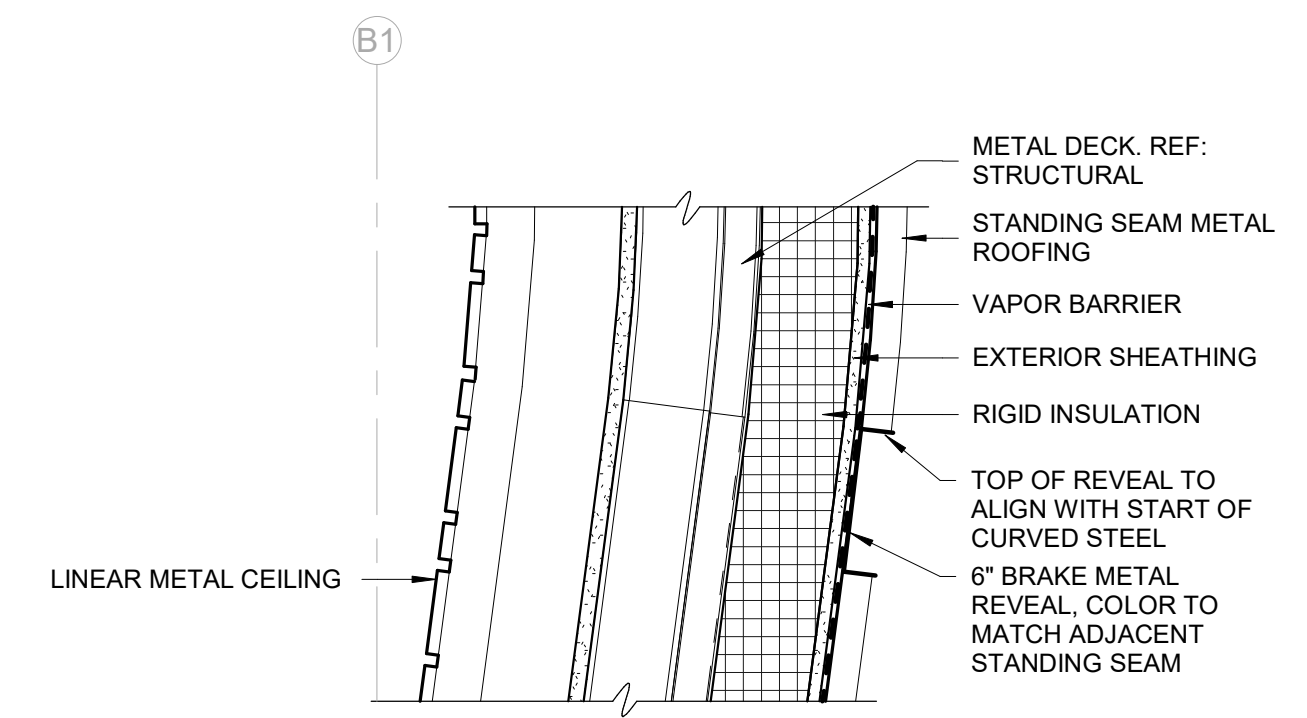
5 CANTED WINDOW DETAIL  
 A501 | A750 1 1/2" = 1'-0"



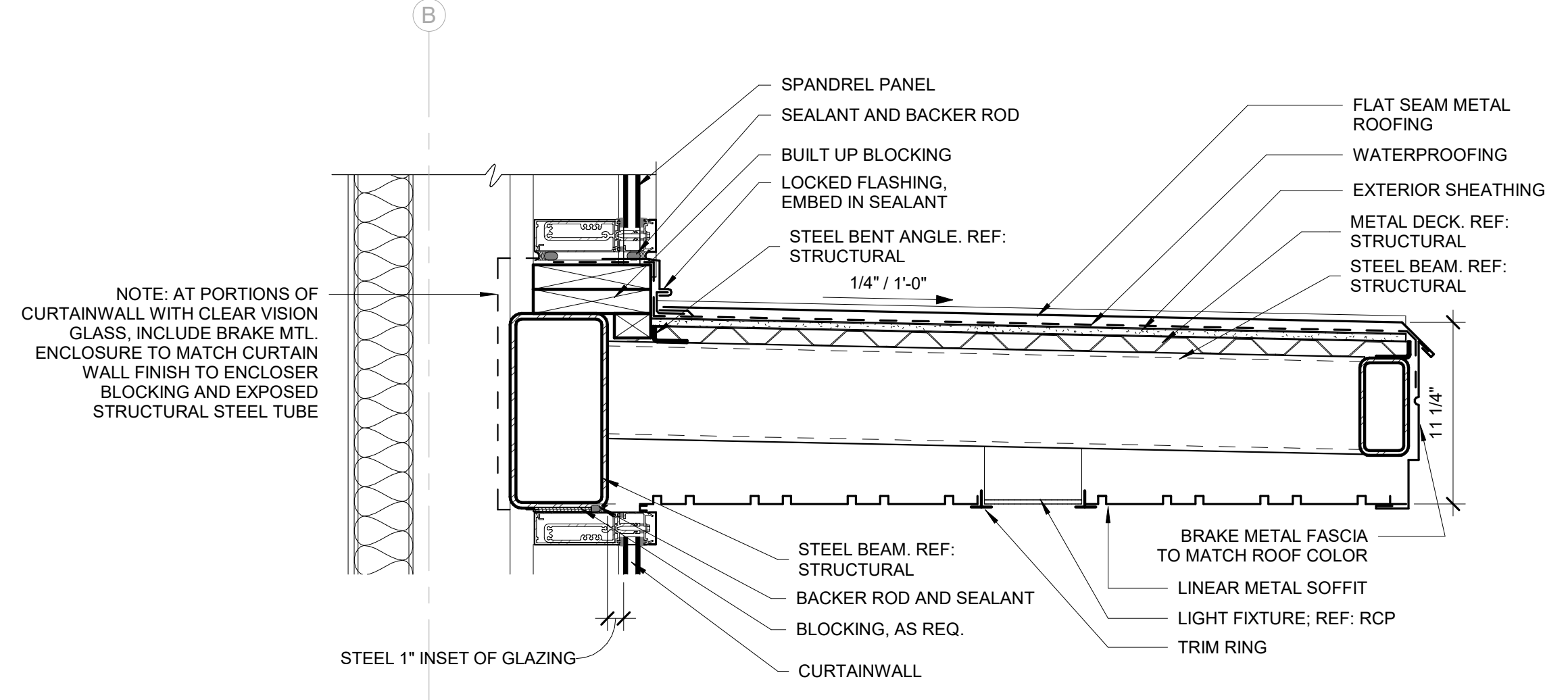
11 ROOF DETAIL @ CURTAIN WALL  
 A501 | A750 1 1/2" = 1'-0"



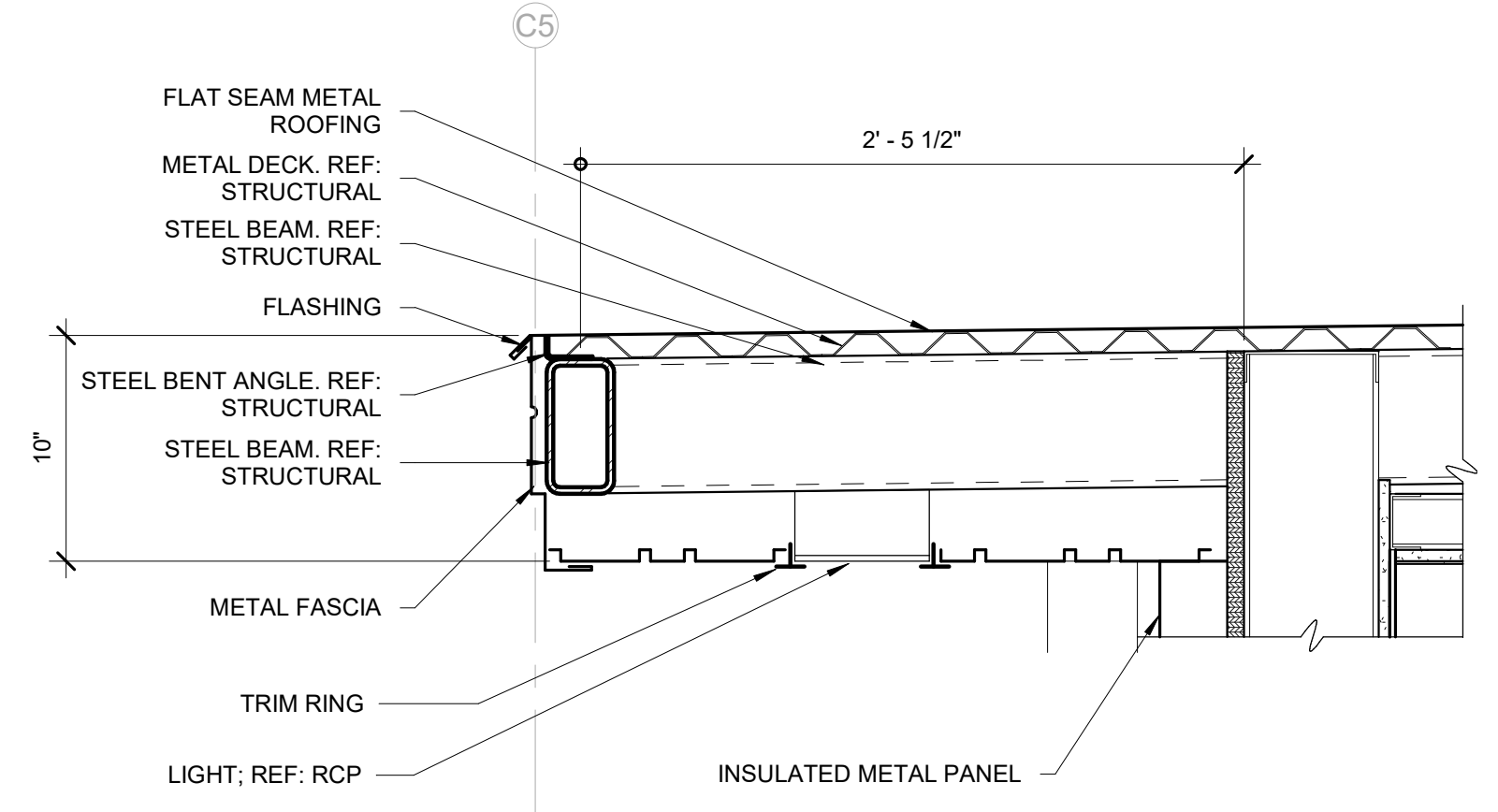
4 ROOF DETAIL @ EAVE  
 A501 | A750 1 1/2" = 1'-0"



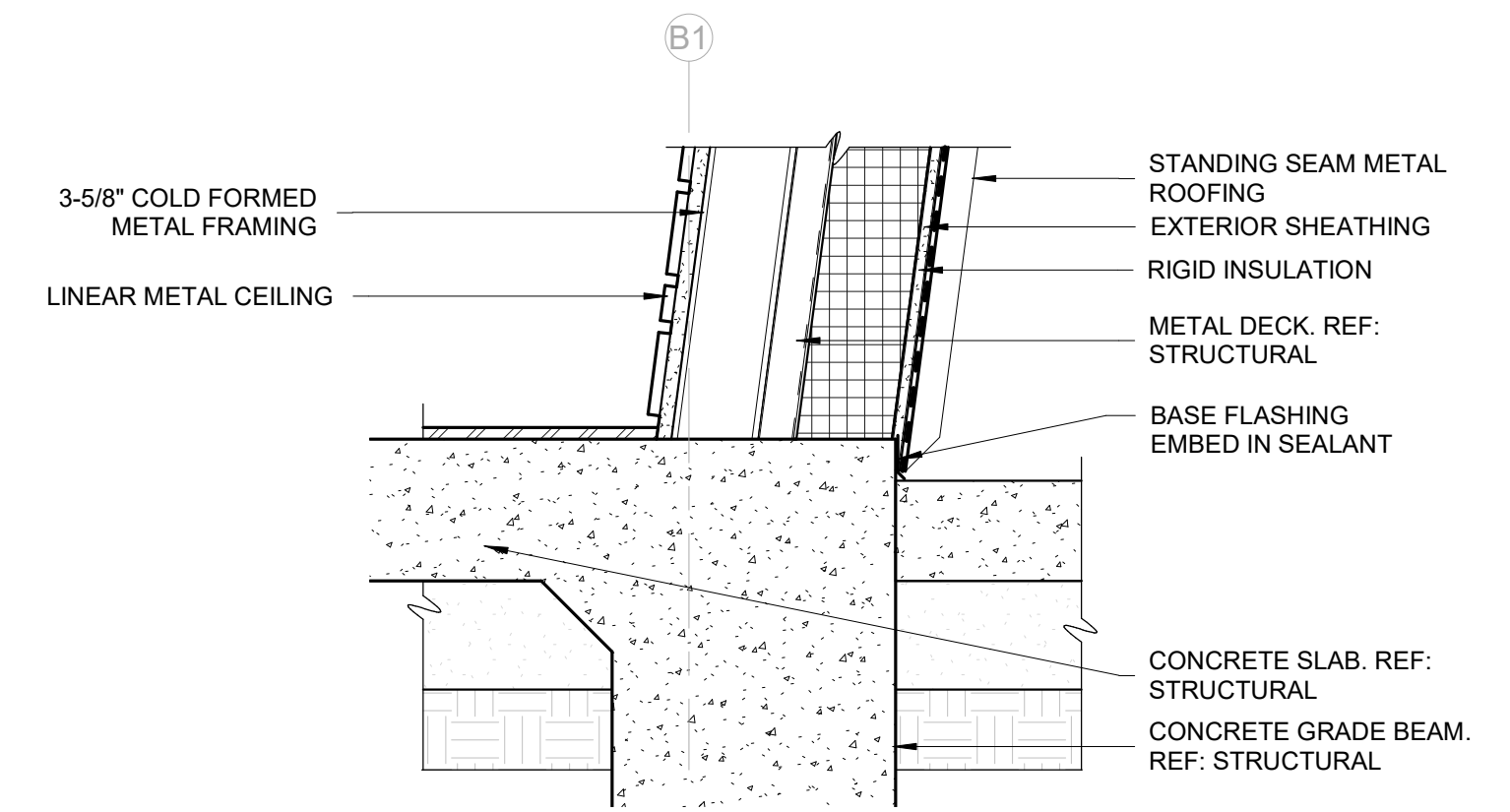
2 ROOF DETAIL @ WALL TRANSITION  
 A501 | A750 1 1/2" = 1'-0"



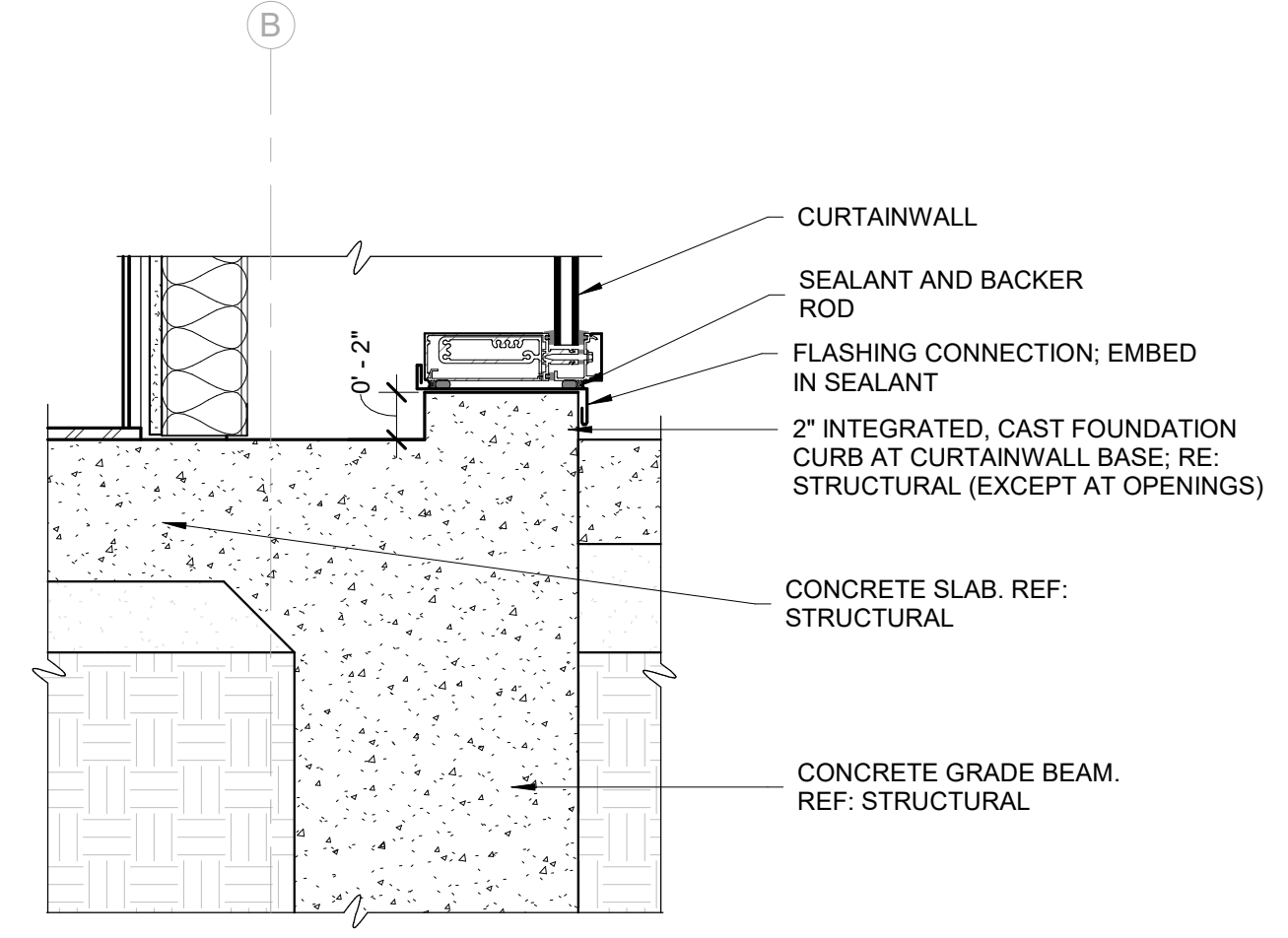
10 CANOPY DETAIL @ CURTAIN WALL  
 A501 | A750 1 1/2" = 1'-0"



3 CANOPY DETAIL @ VENDING  
 A501 | A750 1 1/2" = 1'-0"



1 FOUNDATION DETAIL @ ANGLED WALL  
 A501 | A750 1 1/2" = 1'-0"

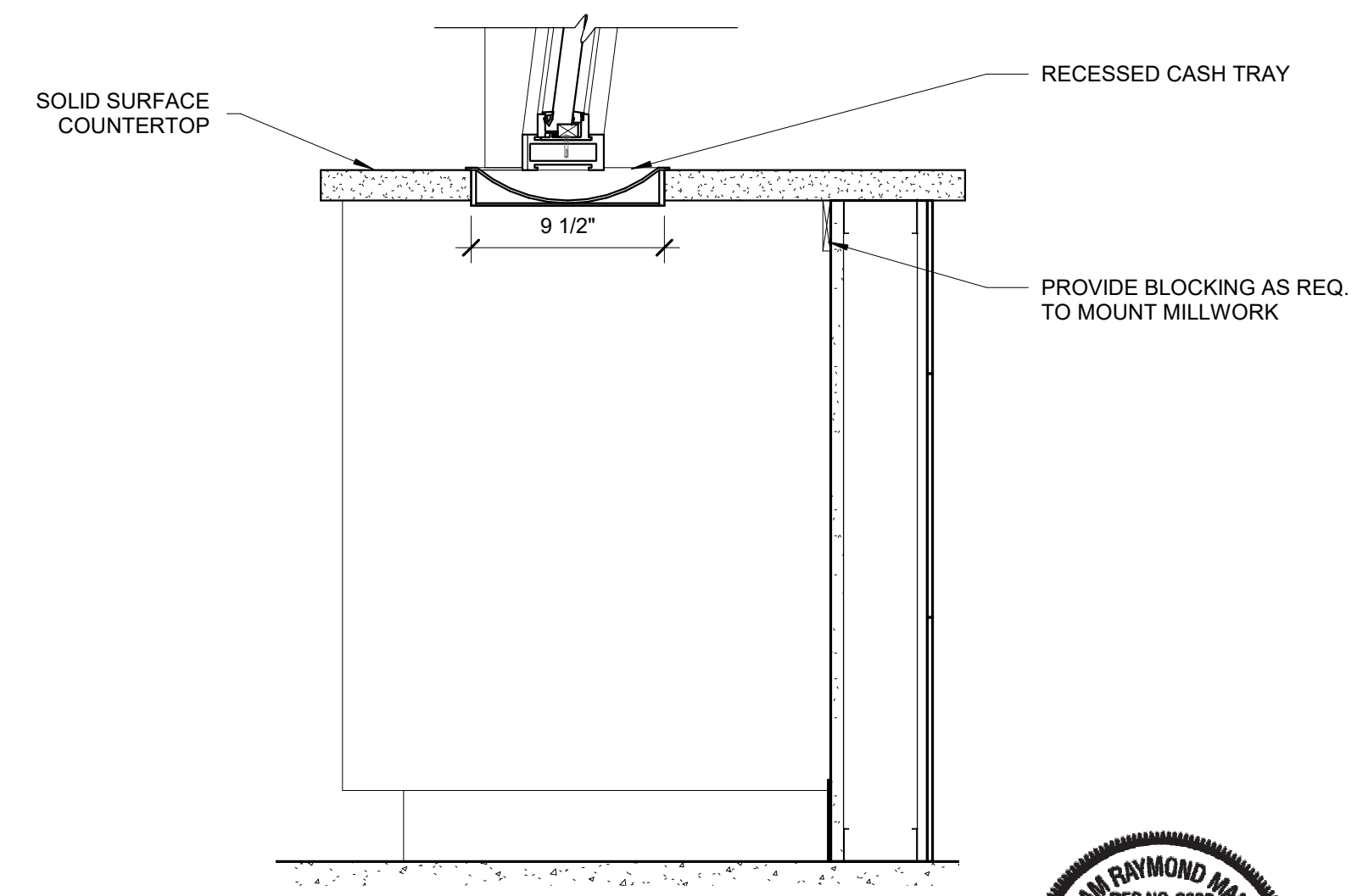
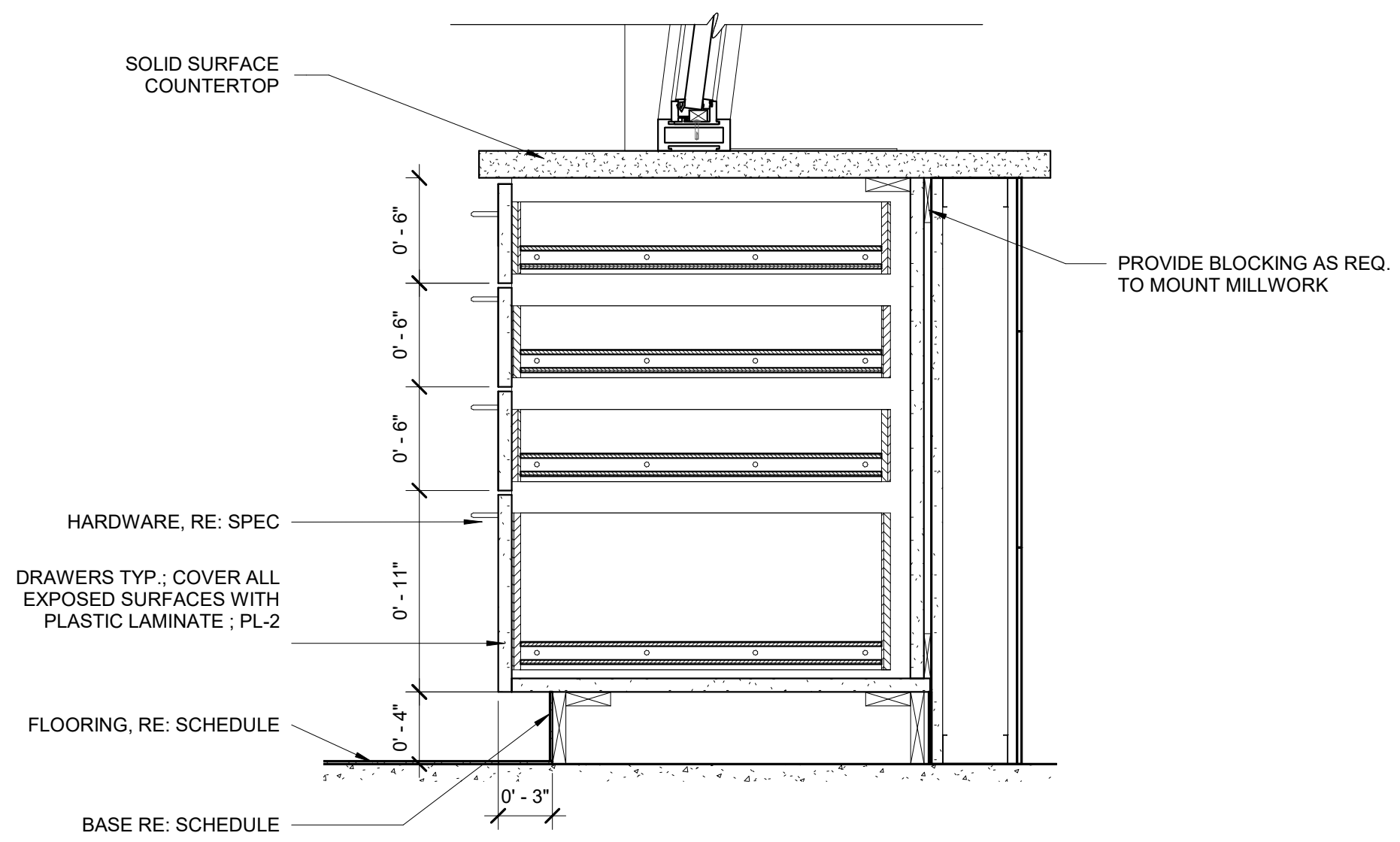
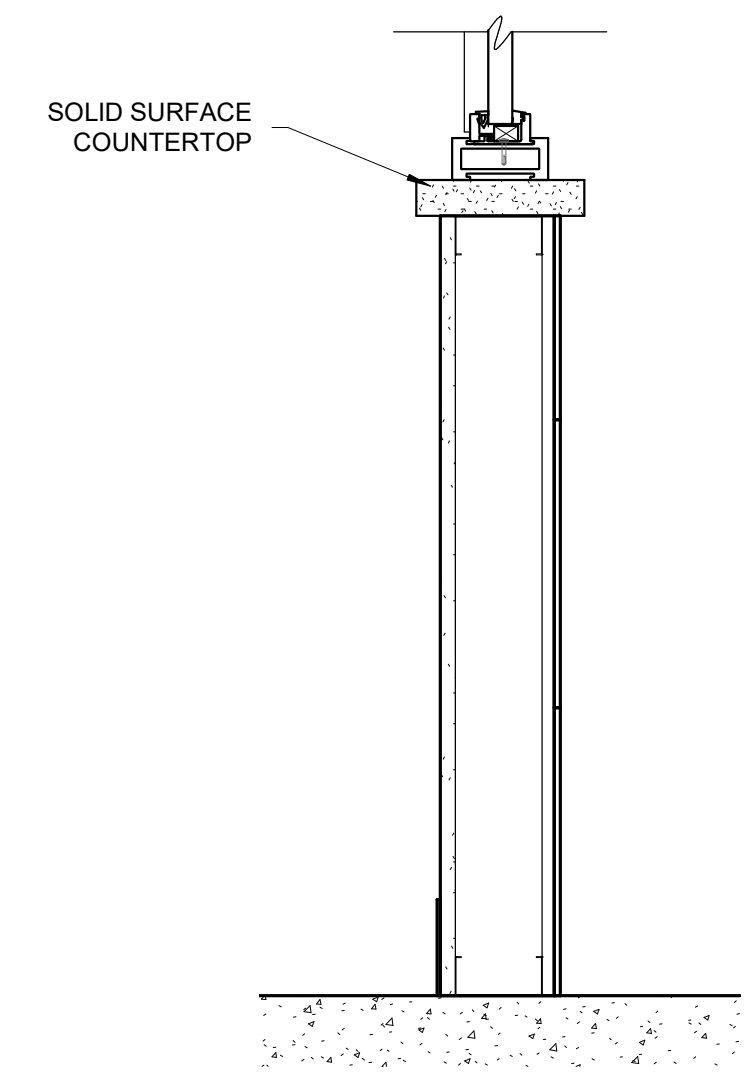
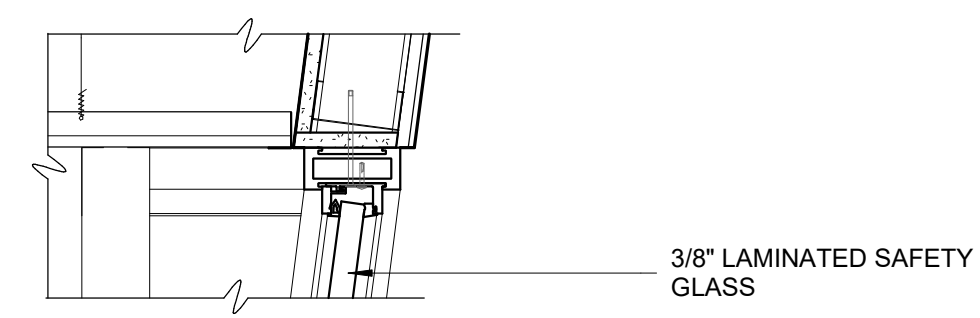
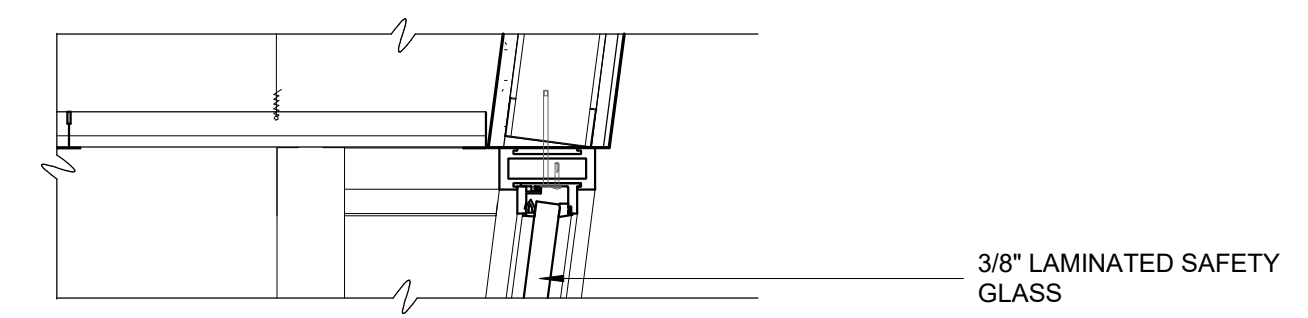
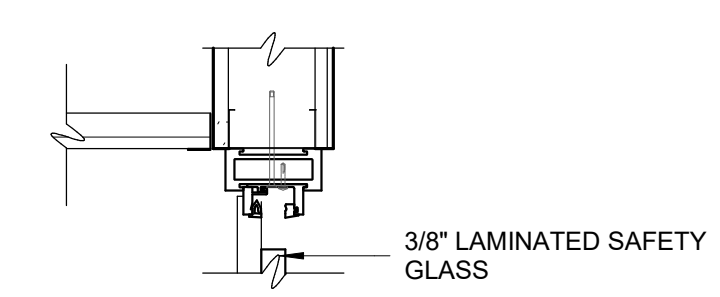


7 FOUNDATION DETAIL @ CURTAIN WALL  
 A501 | A750 1 1/2" = 1'-0"

NO.	DATE	REVISION DESCRIPTION	BY



ARCHITECTURAL INTERIOR DETAILS  
 NORTH TRANSIT CENTER

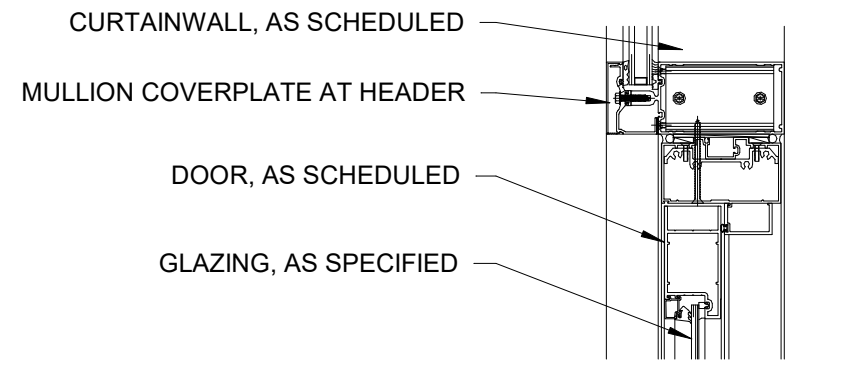


3 TICKETING DETAIL 3  
 A201 | A800 1 1/2" = 1'-0"

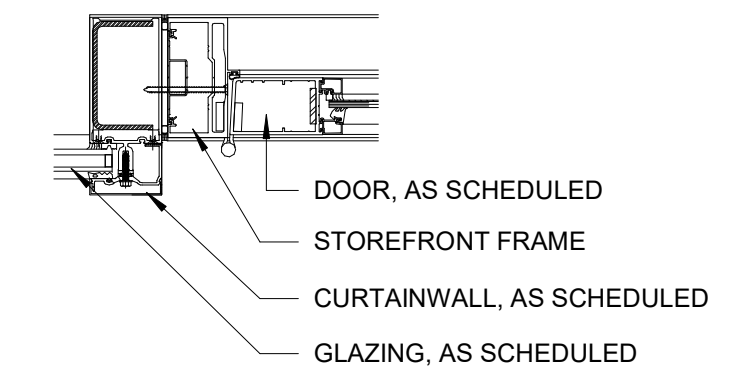
1 TICKETING DETAIL 2  
 A201 | A800 1 1/2" = 1'-0"

2 TICKETING DETAIL 1  
 A201 | A800 1 1/2" = 1'-0"

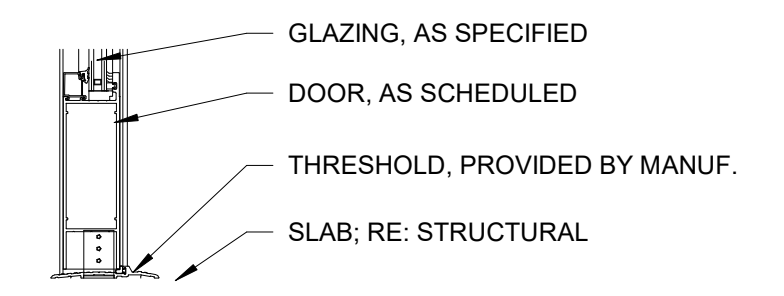
DOOR SCHEDULE													
DOOR NO.	WIDTH	HEIGHT	DOOR			FRAME		DETAILS			SIDELITE WIDTH	FIRE RATING	REMARKS
			TYPE	MATERIAL	FINISH	TYPE	FINISH	HEAD	JAMB	SILL			
FIRST FLOOR													
100A	9'-0"	7'-0"	K	STEEL	PT-2	STEEL	PT-2					N.R.	OVERHEAD DOOR
100B	3'-10 5/16"	8'-6 1/2"	E	ALUMINUM	CLEAR ANOD.	ALUM.	CLEAR ANOD.					N.R.	PROVIDED BY CURTAINWALL MANUF.
100C	3'-10 13/16"	8'-6 1/2"	E	ALUMINUM	CLEAR ANOD.	ALUM.	CLEAR ANOD.					N.R.	PROVIDED BY CURTAINWALL MANUF.
101	3'-0"	7'-0"	A	HC METAL	PT-2	A	PT-2	3/A900	4/A900	5/A900		N.R.	BALLISTIC LEVEL 3 FOR LEAF AND FRAME
102	3'-0"	7'-0"	A	HC METAL	PT-2	A	PT-2	3/A900	4/A900	5/A900		N.R.	BALLISTIC LEVEL 3 FOR LEAF AND FRAME
103	2'-6"	7'-0"	A	HC METAL	PT-2	A	PT-2	3/A900	4/A900	5/A900		N.R.	
104	3'-0"	7'-0"	A	HC METAL	PT-2	A	PT-2	3/A900	4/A900	5/A900		N.R.	
105	3'-0"	7'-0"	A	HC METAL	PT-2	A	PT-2	3/A900	4/A900	5/A900		N.R.	
106	3'-0"	7'-0"	A	HC METAL	PT-2	A	PT-2	3/A900	4/A900	5/A900		N.R.	
107	3'-10 13/16"	8'-8 1/2"	E	ALUMINUM	CLEAR ANOD.	ALUM.	CLEAR ANOD.					N.R.	PROVIDED BY CURTAINWALL MANUF.
108	3'-0"	7'-0"	B	HC METAL	PT-2	A	PT-2	3/A900	4/A900	5/A900	1'-0"	N.R.	
109	3'-10 13/16"	8'-8 1/2"	E	ALUMINUM	CLEAR ANOD.	ALUM.	CLEAR ANOD.					N.R.	PROVIDED BY CURTAINWALL MANUF.
110	3'-0"	7'-0"	A	HC METAL	PT-2	A	PT-2	3/A900	4/A900	5/A900		N.R.	
111	3'-0"	7'-0"	A	HC METAL	PT-2	A	PT-2	3/A900	4/A900	5/A900		N.R.	



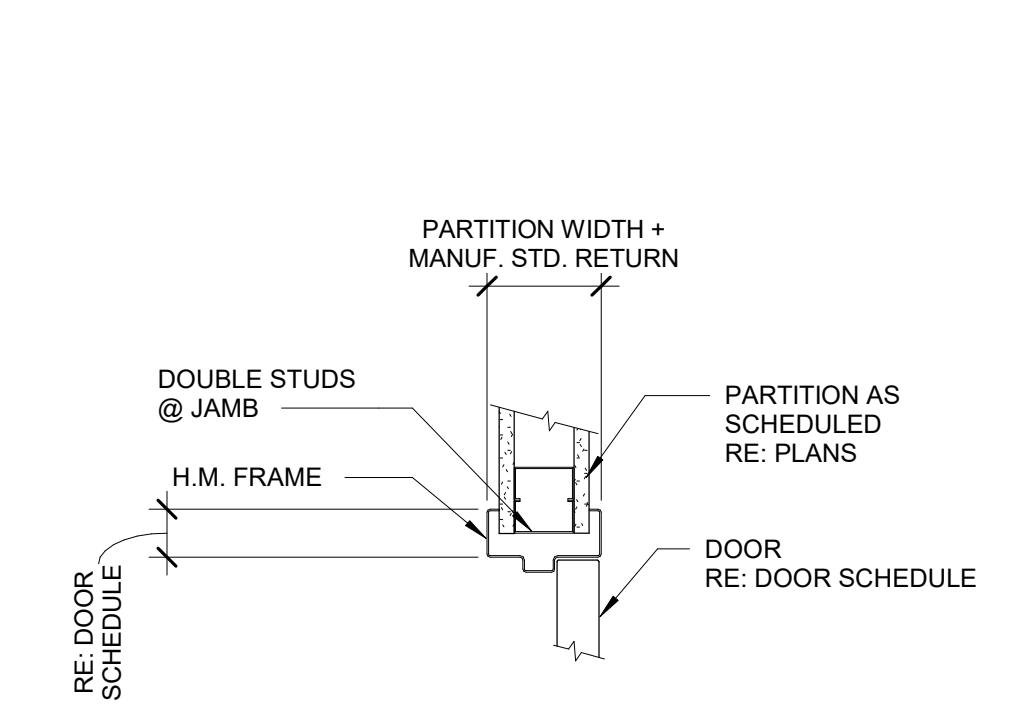
6 STOREFRONT HEADER  
1 1/2" = 1'-0"



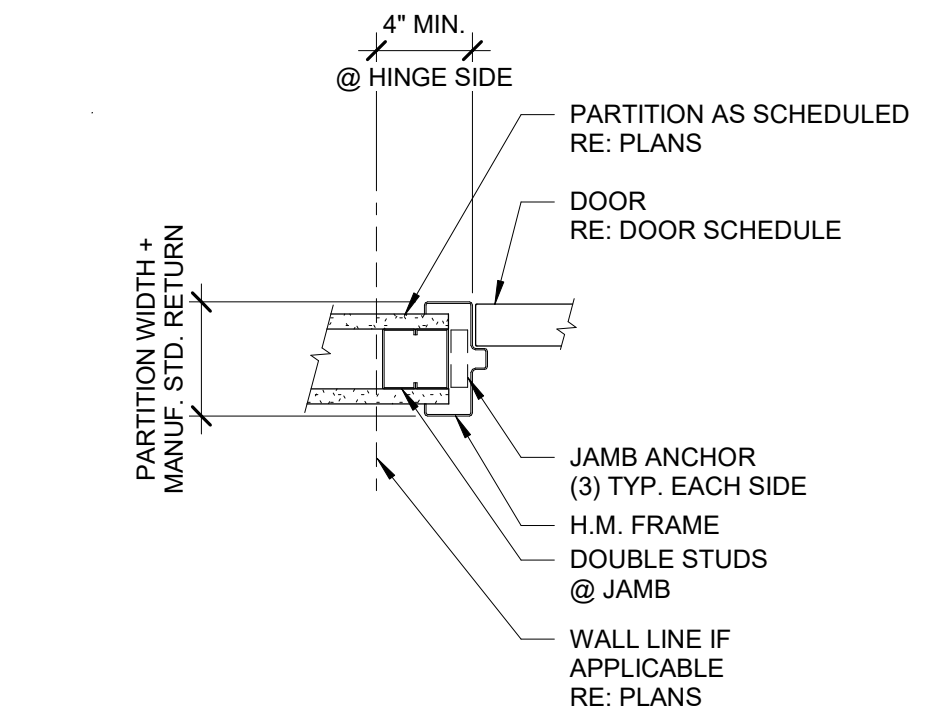
7 STOREFRONT JAMB  
1 1/2" = 1'-0"



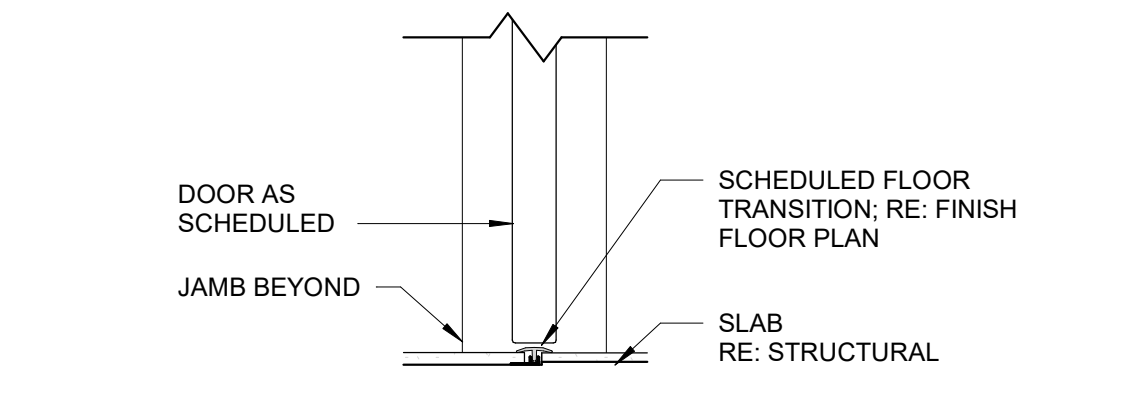
8 STOREFRONT SILL  
1 1/2" = 1'-0"



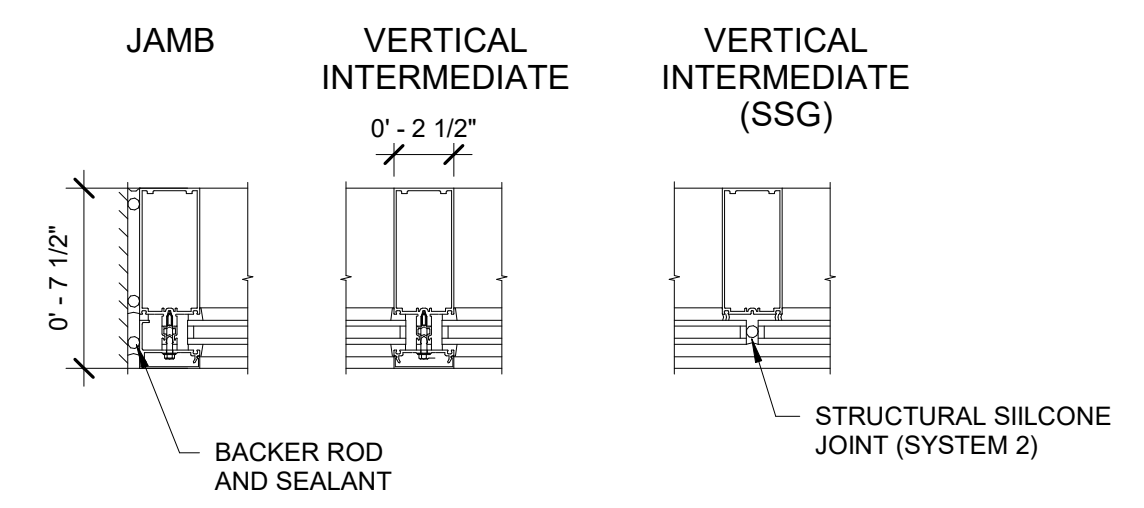
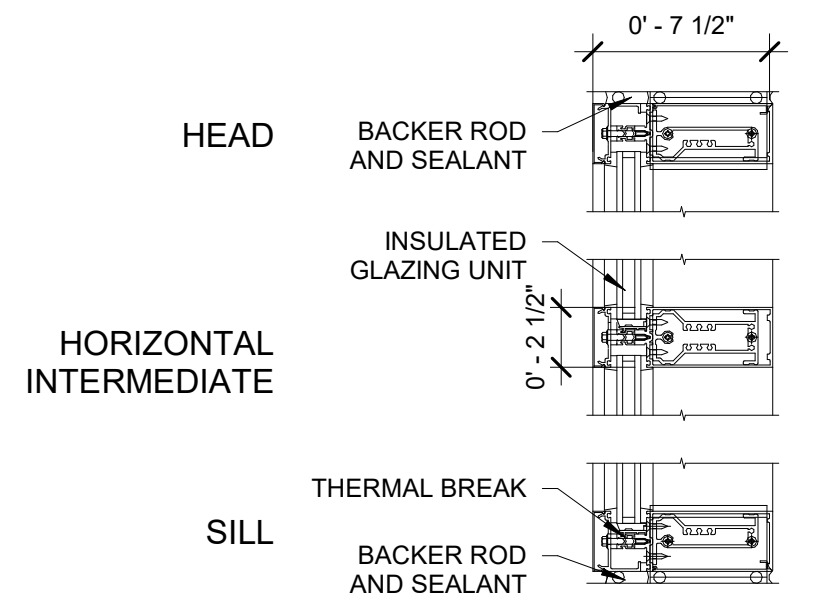
3 HM DOOR HEAD @ STUD WALL  
1 1/2" = 1'-0"



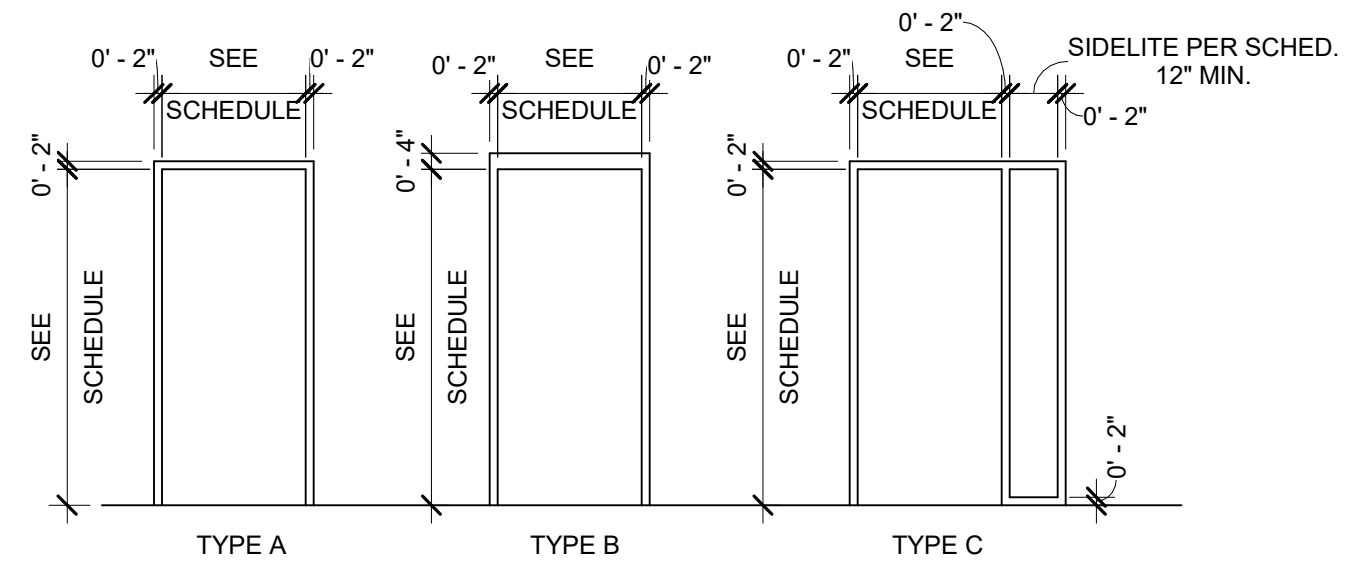
4 HM JAMB @ STUD WALL  
1 1/2" = 1'-0"



5 SILL DETAIL @ HM DOOR - INTERIOR  
1 1/2" = 1'-0"



9 TYP. CURTAINWALL DTLS.  
1 1/2" = 1'-0"

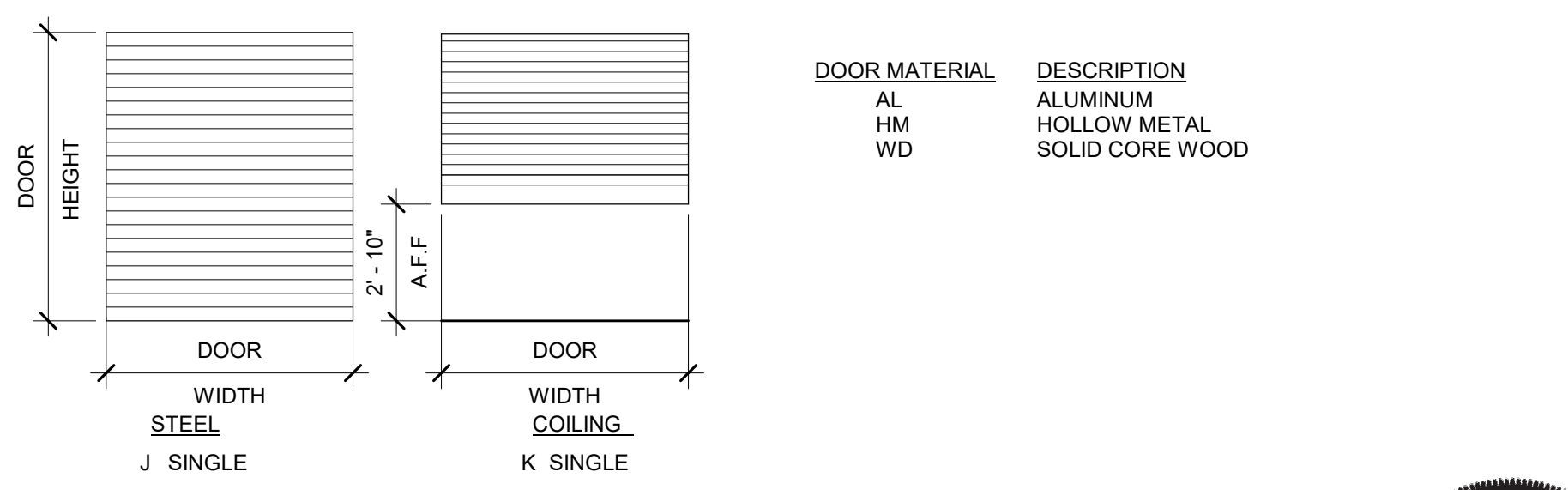
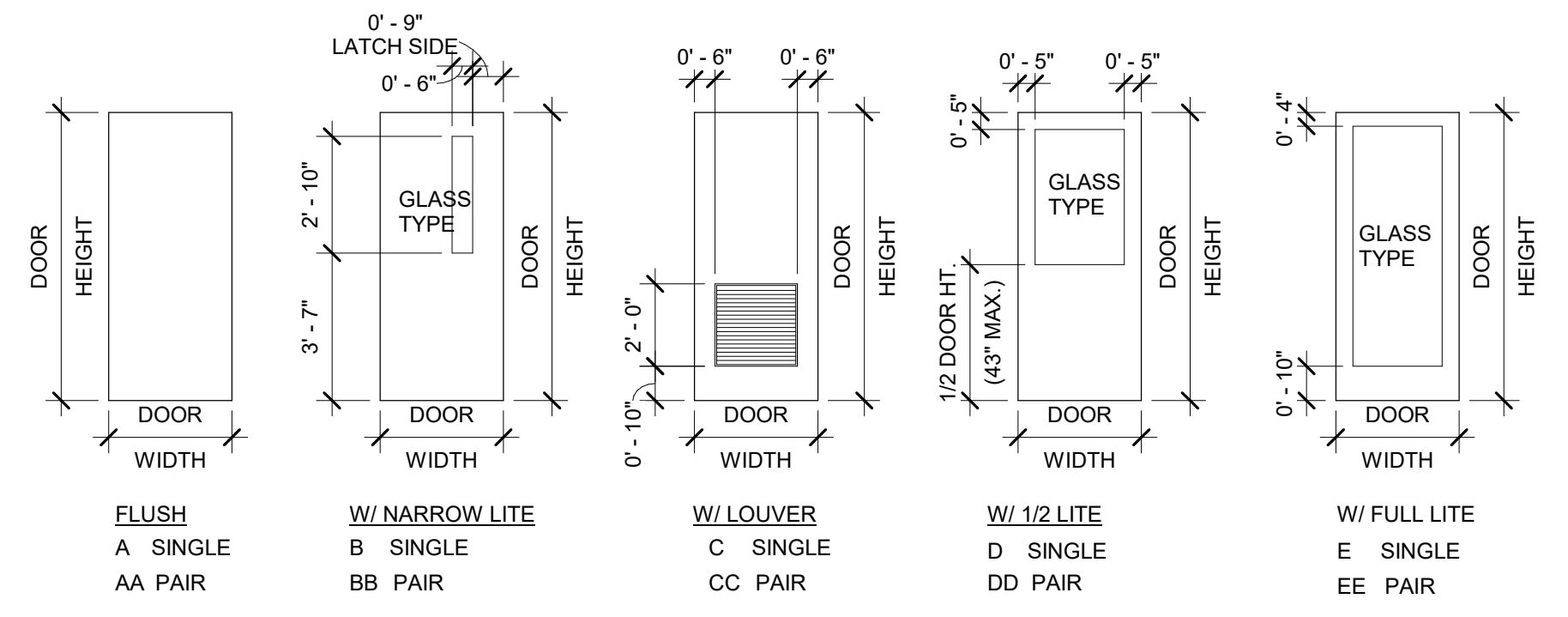


2 FRAME TYPES  
1/4" = 1'-0"

ADA STANDARDS  
(404.2.10) DOOR SURFACES W/IN 10" A.F.F. SHALL BE SMOOTH ON PUSH SIDE FULL WIDTH OF DOOR  
(404.2.11) VISION LITES SHALL BE 43" MAX. A.F.F.

**DOOR CRITERIA AND GENERAL NOTES:**

- ALL DOOR TYPES LISTED IN DOOR SCHEDULE ARE FOUND IN THE SPECIFICATION DIVISION 08.
- THE FOLLOWING EXPLANATION APPLIES TO THE DOOR SCHEDULE.
  - DOOR NUMBER**  
(1) THE DOOR NUMBER SHALL BE THE SAME AS THE ROOM SERVED.  
(2) IF MORE THAN ONE DOOR SERVES THE SAME ROOM, EACH DOOR WILL BE ASSIGNED AN IDENTIFICATION NUMBER CONSISTING OF THE ROOM NUMBER PLUS AN ALPHABETICAL SUFFIX. THE NUMBER OF A DOOR COMMUNICATING BETWEEN TWO ROOMS SHALL BE DETERMINED BY THE ROOM IN WHICH IT SWINGS.
  - DOOR SIZE**  
THE WIDTH AND HEIGHT OF THE DOOR APPEARS IN THE DOOR SCHEDULE IN FEET AND INCHES. THE DOOR SHALL BE 1 3/4" FOR HOLLOW METAL AND WOOD DOORS, UNLESS NOTED OTHERWISE.
  - DOOR TYPE**  
REFER TO THE DOOR SCHEDULE AND THIS SHEET FOR DOOR TYPES.
  - FRAME TYPES**  
REFER TO THE DOOR SCHEDULE AND THIS SHEET FOR FRAME TYPES.
  - HARDWARE GROUPS**  
REFER TO THE DOOR SCHEDULE, HARDWARE SPECIFICATION IN SECTION 08 71 01 AND THIS SHEET FOR HARDWARE GROUPS.
  - DETAILS**  
TYPICAL DETAILS REFERENCED ARE LOCATED ON SHEET
- AT ALL TYPES OF EXTERIOR DOORS THAT SWING OUT, DOOR HEAD SHALL BE FLUSH AND SEALED



1 DOOR TYPES  
1/4" = 1'-0"

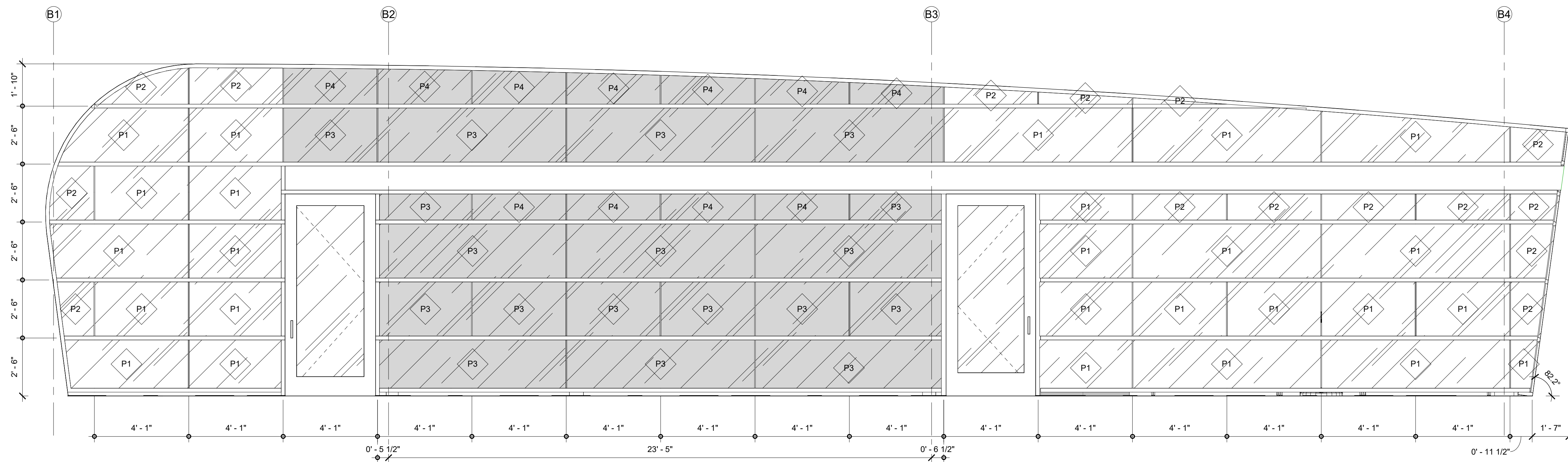
Sheet No:	A900
DESIGNED CHECKED TK	OK
DATE SHEET	8/8/2022
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	XXX-XXX-XXX-XXX
NO.	
DATE	
REVISION DESCRIPTION	
BY	



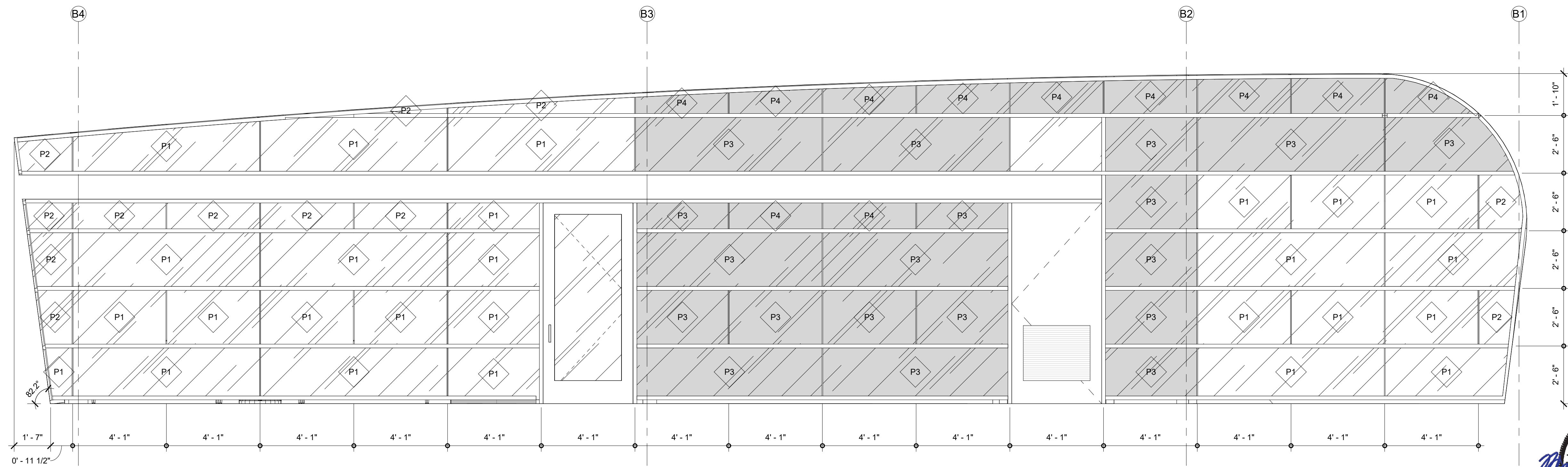
ARCHITECTURAL  
DOOR SCHEDULES & DETAILS  
NORTH TRANSIT CENTER







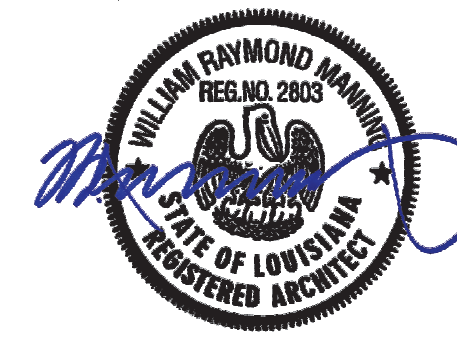
1 EAST CURTAINWALL - DIMENSION ELEVATION  
 A901 3/8" = 1'-0"



2 WEST CURTAINWALL - DIMENSION ELEVATION  
 A901 3/8" = 1'-0"

- GLAZING TYPES:**
-  SAFETY GLAZING, CLEAR VISION PANEL
  -  GLAZING, CLEAR VISION PANEL
  -  SAFETY GLAZING, SPANDREL PANEL
  -  GLAZING, SPANDREL PANEL

NOTE: SAFETY GLAZING PER IBC 2015, SECTION 2406



Sheet No:	A901
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	XXX-XXX-XXX-XXX
DESIGNED / OK / CHECKED / TK	
DETAILED / CP / CHECKED / TK	
DATE / SHEET	8/6/2022 / A901
NO.	
DATE	
REVISION DESCRIPTION	
BY	

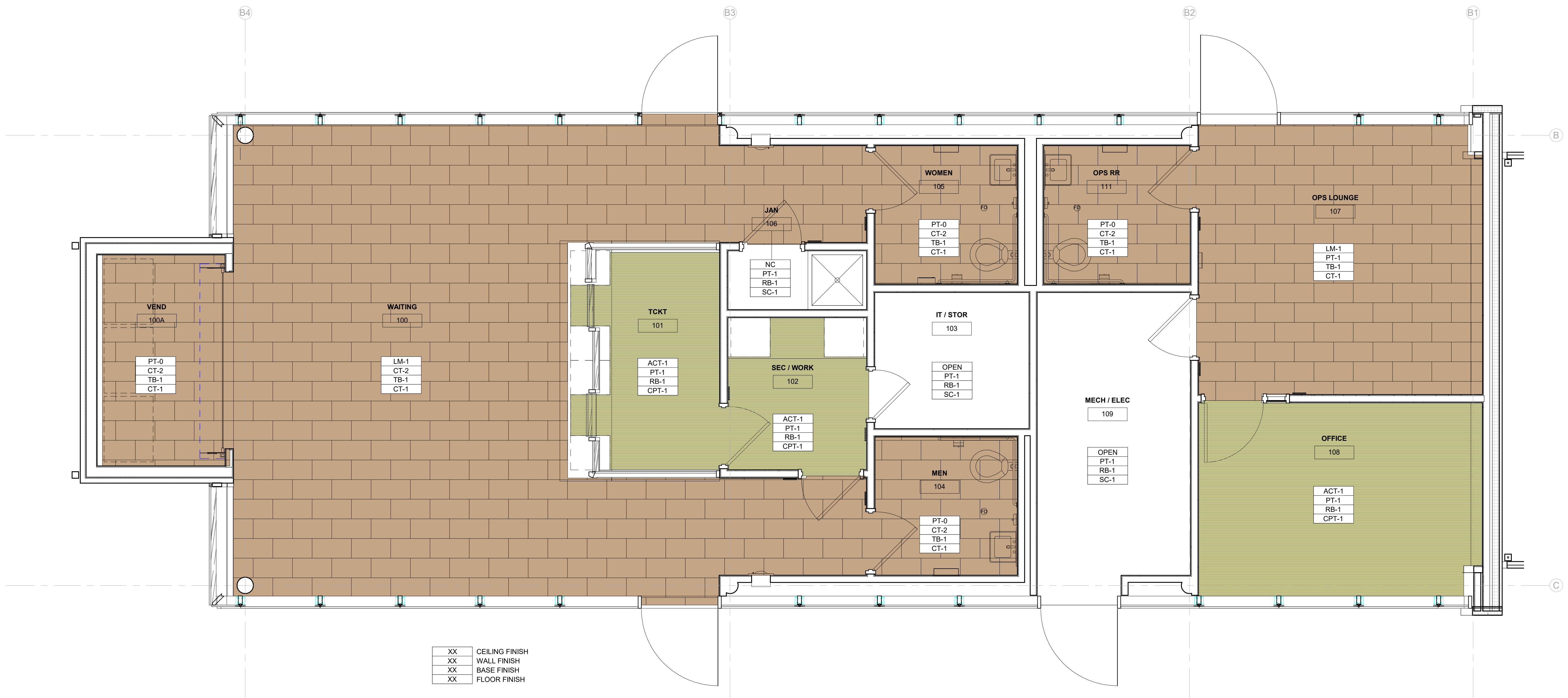
**ARCHITECTURAL**  
GLAZING ELEVATIONS

**MOVEBR**

NORTH TRANSIT CENTER

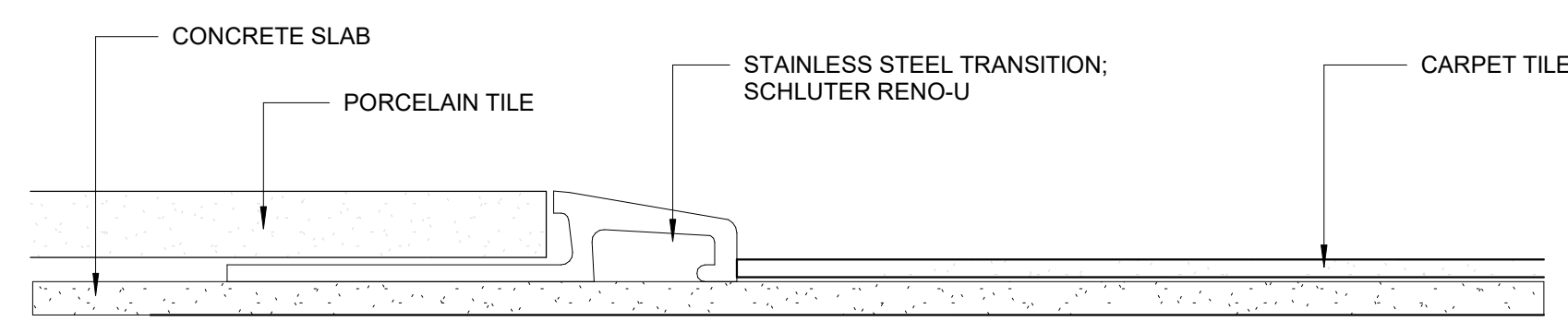
**BR**  
CITY OF BATON ROUGE  
PARISH OF EAST BATON ROUGE

**HNTB**

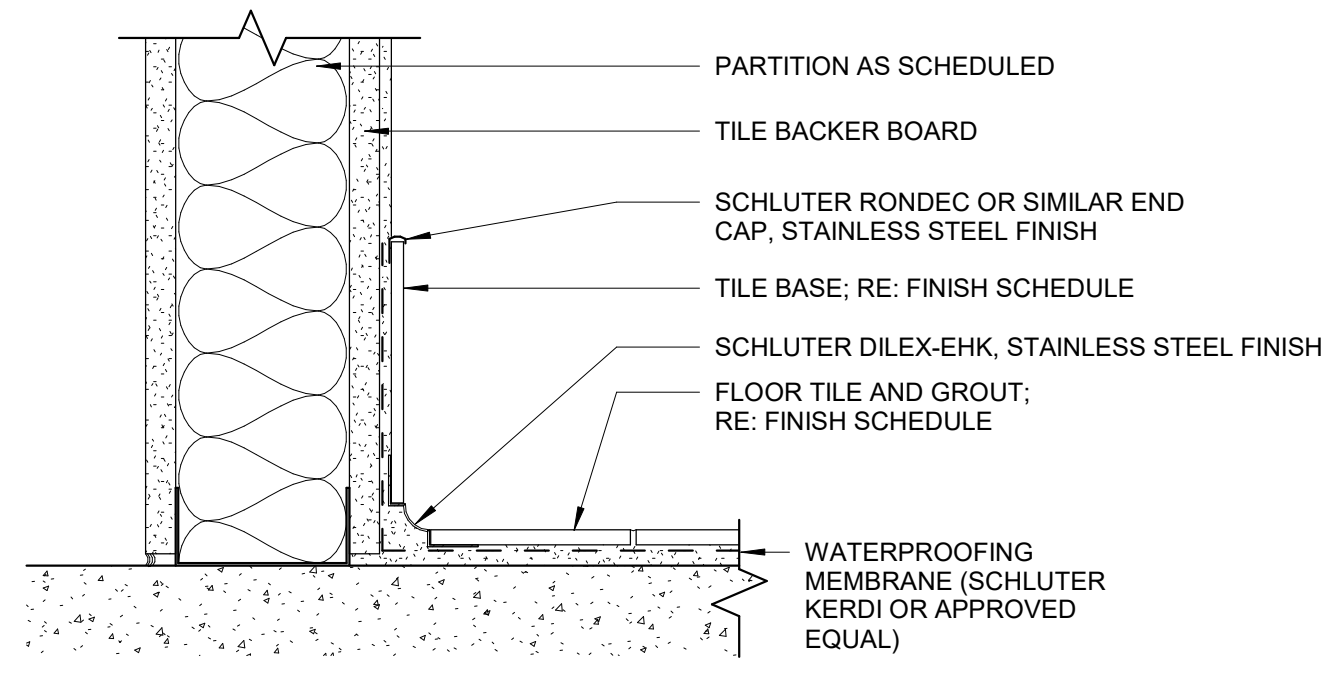


XX CEILING FINISH  
 XX WALL FINISH  
 XX BASE FINISH  
 XX FLOOR FINISH

1 FINISH PLAN  
 A921 3/8" = 1'-0"



2 TILE TO CARPET TRANSITION  
 A921 1/2" = 1'-0"



3 TILE BASE  
 A921 3" = 1'-0"

ROOM FINISH SCHEDULE						
ROOM #	ROOM NAME	FLOOR	BASE	WALL FINISH	CEILING	REMARKS
100	WAITING	CT-1	TB-1	CT-2	LINEAR METAL PNL. (LM-1)	LIENAR METAL CEILING TO MATCH ROOF RADIUS
100A	VEND	CT-1	TB-1	CT-2	GYP. BD / PT-0	
101	TCKT	CPT-1	RB-1	PT-1	ACT-1	
102	SEC / WORK	CPT-1	RB-1	PT-1	ACT-1	
103	IT / STOR	SC-1	RB-1	PT-1	OPEN	
104	MEN	CT-1	TB-1	CT-2	GYP. BD / PT-0	
105	WOMEN	CT-1	TB-1	CT-2	GYP. BD / PT-0	
106	JAN	SC-1	RB-1	PT-1	OPEN	
107	OPS LOUNGE	CT-1	TB-1	PT-1	LINEAR METAL PNL. (LM-1)	LIENAR METAL CEILING TO MATCH ROOF RADIUS
108	OFFICE	CPT-1	RB-1	PT-1	ACT-1	
109	MECH / ELEC	SC-1	RB-1	PT-1	OPEN	
111	OPS RR	CT-1	CT-1	CT-2	GYP. BD / PT-0	



## MATERIALS LEGEND

PRODUCT DESCRIPTION	MARK	BASIS OF DESIGN MANUFACTURER	PRODUCT / STYLE	COLOR/FINISH	TYPICAL LOCATIONS	NOTES
<b>INTERIOR ARCHITECTURAL WOODWORK</b>						
PLASTIC LAMINATE	PL-1	FORMICA	LAMINATE ANTIMICROBIAL COLLECTION	WHITE TWILL ANTIMICROBIAL	CASEWORK	GRADE 12
SOLID SURFACE	SS-1	FORMICA	EVERFORM SOLID SURFACE	WHITE SPEX 931	TRANSACTION COUNTER TOPS	1/2" SHEET ON PLYWOOD BACKING
<b>09 30 00 TILING</b>						
WALL TILE	CT-2	DALTILE	SANTINO	BIANCO SN06	WALL TILE	12" X 24"
FLOOR TILE BASE	CT-11...	DALTILE	SANTINO	BRUNO SN09	FLOOR AND BASE TILE	12" X 24"
<b>SEALED CONCRETE</b>						
SEALED CONCRETE	SC-1					
<b>09 68 00 CARPET TILE</b>						
CARPET	CPT-1	SHAW CONTRACT	ACTIVE - TURN TILE ST205	BALANCE 04551		
<b>09 90 00 PAINT</b>						
PAIN	PT-0	SHERWIN WILLIAMS	SW 7006	EXTRA WHITE	TYPICAL - GYP BD CEILING	
	PT-1	SHERWIN WILLIAMS	879 BM	WHITE OPULENCE	TYPICAL - WALL	

Sheet No: A922

EAST BATON ROUGE PARISH  
 16-CI-US-0032  
 XXX-XXX-XXX-XXX

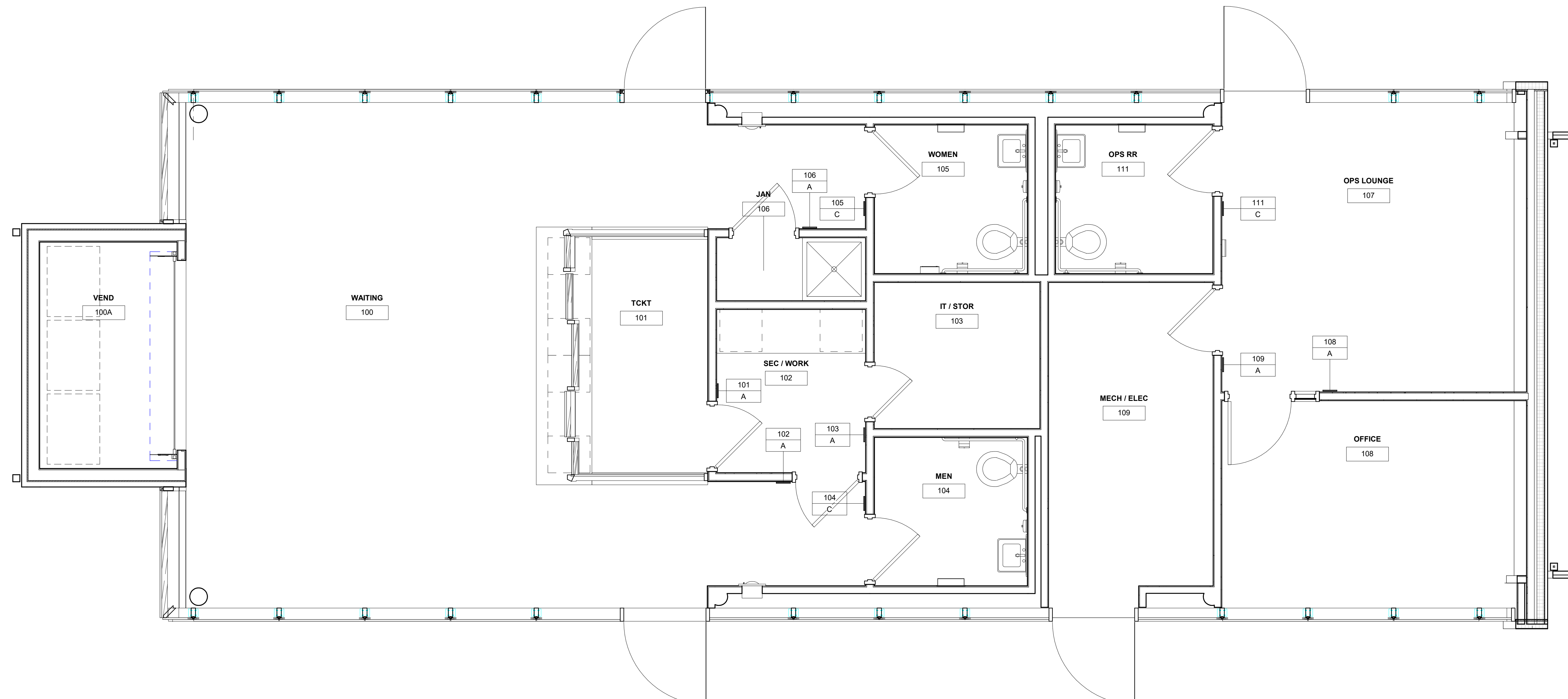
DESIGNED OK  
 CHECKED TK  
 DETAILED CP  
 CHECKED TK  
 DATE SHEET  
 8/6/2022  
 A922

NO.	DATE	REVISION DESCRIPTION	BY



ARCHITECTURAL  
 FINISH SCHEDULE  
 NORTH TRANSIT CENTER





1 BUILDING SIGNAGE PLAN  
 A930 3/8" = 1'-0"

SIGNAGE SCHEDULE			
LOCATION	TYPE MARK	TEXT LINE 1	TEXT LINE 2
101	A	TICKETING	-
102	A	SEC/ WORK	-
103	A	IT/ STORAGE	-
104	C	MEN'S RESTROOM	-
105	C	WOMEN'S RESTROOM	-
106	A	JANITOR	-
108	A	OFFICE	-
109	A	MECHANICAL ROOM	-
111	C	OPERATIONS RESTROOM	-

**SIGNAGE GENERAL NOTES:**

1. ROOM NUMBERS AND NAMES TO BE COORDINATED WITH OWNER PRIOR TO FABRICATION.

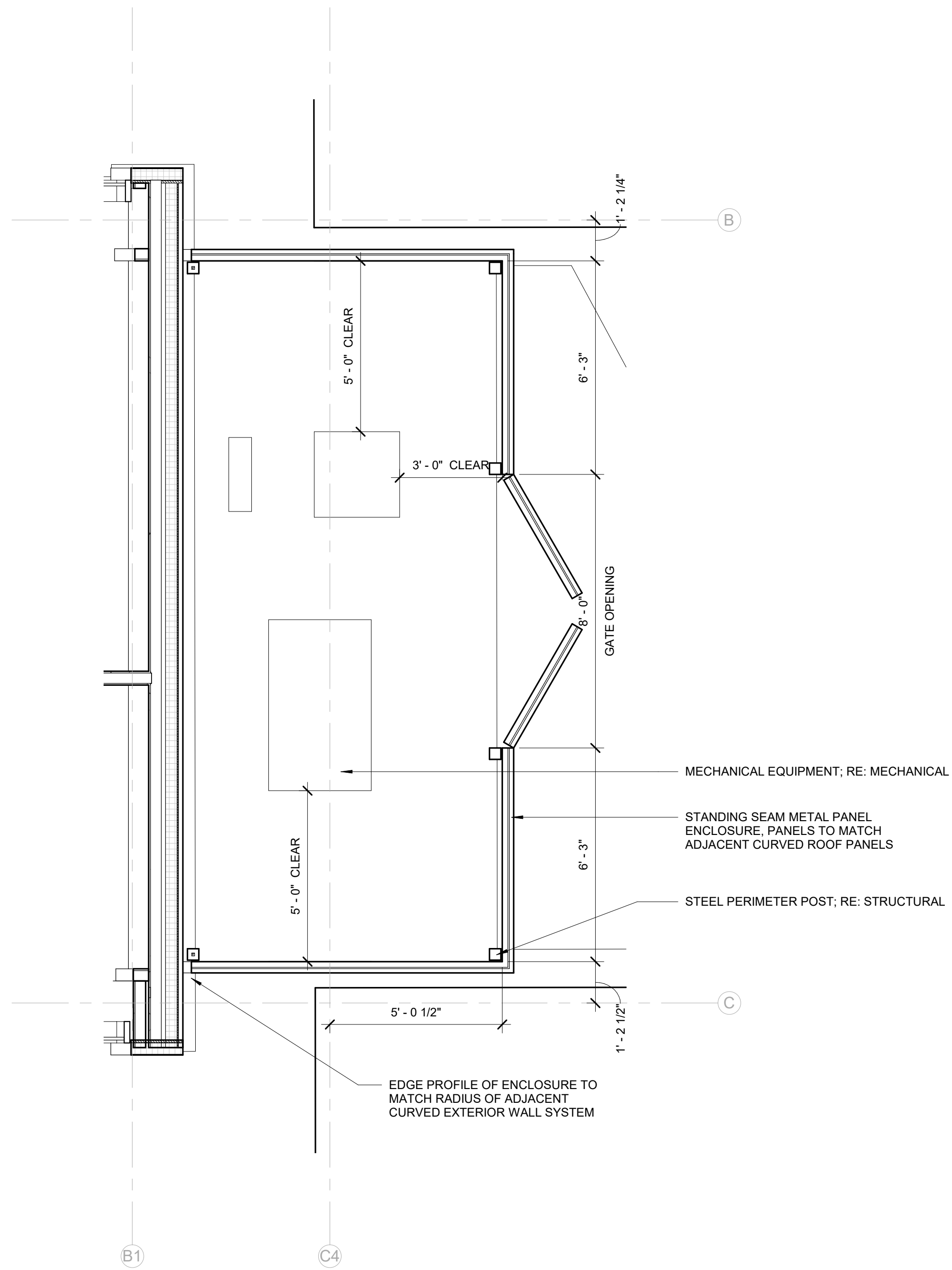
**SIGNAGE LEGEND:**

XX — SIGN LOCATION  
 X — SIGN TYPE



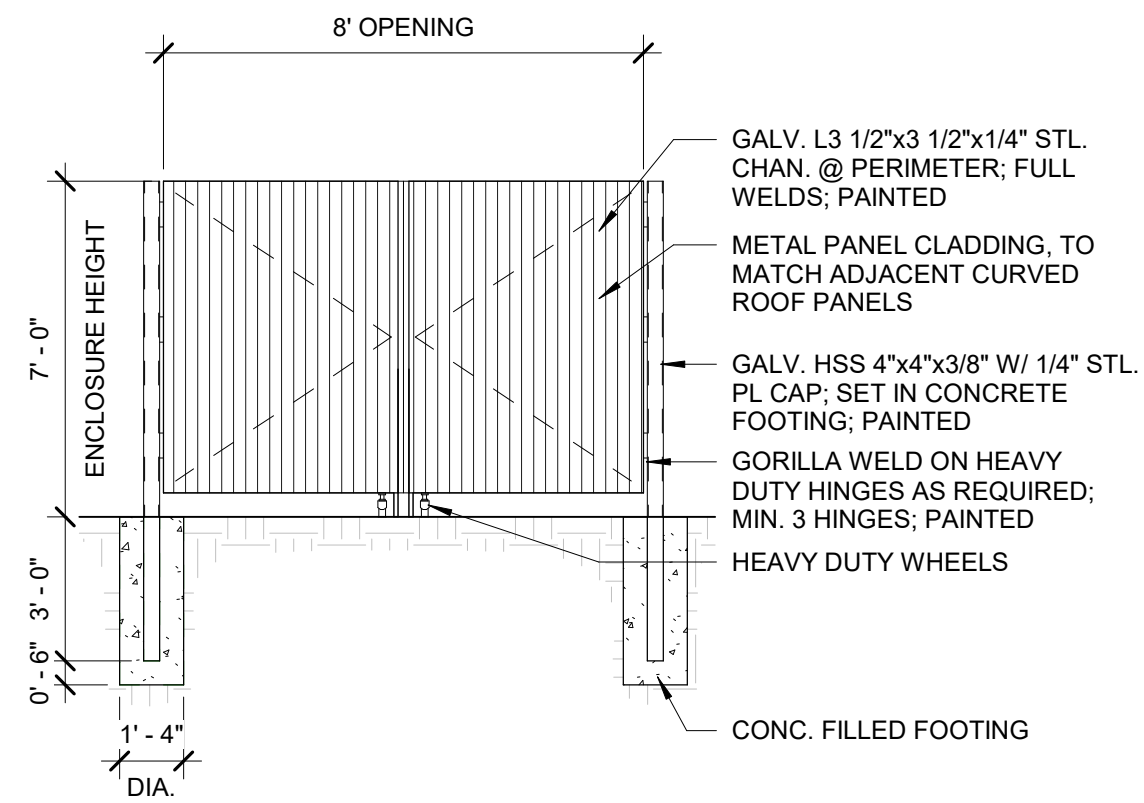
ARCHITECTURAL  
 BUILDING SIGNAGE PLAN  
 NORTH TRANSIT CENTER





1  
A101 | A950  
3/8" = 1'-0"

**MECHANICAL SCREEN ENCLOSURE**



2  
A950  
1/4" = 1'-0"

**GATE DETAIL**

DESIGNED CHECKED	OK TK	PARISH	EAST BATON ROUGE PARISH
DETAILED CHECKED	CP TK	CITY PROJECT	16-CI-US-0032
DATE SHEET	8/6/2022 A950	STATE PROJECT	XXX-XXX-XXX-XXX
		NO.	DATE
		REVISION DESCRIPTION	BY



**ARCHITECTURAL**  
MECHANICAL SCREEN ENCLOSURE

NORTH TRANSIT CENTER



# GENERAL STRUCTURAL NOTES

APPLY UNLESS NOTED OTHERWISE

## 1.0 STRUCTURAL ENGINEERING GENERAL REQUIREMENTS:

### BUILDING CODE:

2015 EDITION OF THE INTERNATIONAL BUILDING CODE / ASCE/SEI 7-10 WITH CITY OF BATON ROUGE/2020 LOUISIANA STATE UNIFORM CONSTRUCTION CODE.

### DESIGN CRITERIA / LOADS:

ALL COMPONENTS REQUIRING DESIGN BY THE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL USE THE DESIGN CRITERIA DEFINED BELOW. ALL FORCES AND PRESSURES LISTED BELOW SHALL BE THE MINIMUM PERMISSIBLE UNLESS SUBSTANTIATING CALCULATIONS USING THE DESIGN CRITERIA SHOWN ARE PROVIDED TO SALAS O'BRIEN FOR REVIEW AND ACCEPTANCE PRIOR TO FABRICATION.

RISK CATEGORY = II

### FLOOR:

TYPICAL FLOOR LIVE LOAD = 100 PSF (REDUCIBLE), EXCEPT AS FOLLOWS:  
LOBBY, CORRIDOR AND STAIR LIVE LOAD = 100 PSF (NON-REDUCIBLE)  
PARTITION LOAD = 20 PSF (10 PSF FOR SEISMIC).

### ROOF:

ROOF LIVE LOAD = 20 PSF (NON-REDUCIBLE)

### WIND DESIGN DATA:

RISK CATEGORY = II  
ULTIMATE DESIGN WIND SPEED,  $V_{ult} = 123$  MPH (3 SEC. GUST)  
EQUIVALENT NOMINAL DESIGN WIND SPEED,  $V_{asd} = 96$  MPH (3 SEC. GUST, USING  $I = 1.0$ )  
EXPOSURE B  
MEAN ROOF HEIGHT USED FOR DESIGN,  $h = 16$  FT  
 $K_d = 0.85$   
 $K_{zt} = 1.0$   
INTERNAL PRESSURE COEFFICIENT,  $G_{Cpi} = \pm 0.18$

### SEISMIC DESIGN DATA:

RISK CATEGORY = II  
SEISMIC IMPORTANCE FACTOR,  $I_e = 1.0$   
 $S_s = 0.107$ ,  $S_1 = 0.057$   
SITE CLASS: D  
 $S_{DS} = 0.066$ ,  $S_{D1} = 0.065$   
SEISMIC DESIGN CATEGORY A  
BASIC SEISMIC FORCE RESISTING SYSTEM = SYSTEMS NOT SPECIFICALLY DESIGNED FOR SEISMIC RESISTANCE  
DESIGN BASE SHEAR,  $V = 4K$   
SEISMIC RESPONSE COEFFICIENT, STRENGTH DESIGN,  $C_s = .029$   
RESPONSE MODIFICATION FACTOR,  $R = 3$   
ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

DESCRIPTION OF THE LATERAL LOAD AND CONNECTING DIAPHRAGM ELEMENTS THAT PROVIDE FOR LATERAL STRENGTH AND STABILITY IN THE COMPLETED STRUCTURE:

- MOMENT FRAME
- CONCRETE FLOOR DIAPHRAGM (RIGID)
- METAL ROOF DIAPHRAGM (FLEXIBLE)

WALL STUD DEFLECTIONS HAVE BEEN LIMITED TO L/360 FOR STUCCO, EIFS AND DRYWALL FINISH, L/240 FOR METAL PANEL FINISHES.

### COORDINATION:

THESE DRAWINGS ARE A SCHEMATIC REPRESENTATION OF THE STRUCTURAL SYSTEM AND REQUIREMENTS FOR THE PROJECT, AND ARE ONLY A PORTION OF THE COMPLETE CONTRACT DOCUMENTS. THE STRUCTURAL SYSTEMS REQUIRE CAREFUL COORDINATION BETWEEN ALL STRUCTURAL COMPONENTS AND MATERIALS SHOWN IN THESE STRUCTURAL DRAWINGS, AND CAREFUL COORDINATION OF INFORMATION SHOWN ON OTHER DISCIPLINES' DRAWINGS IN ORDER TO BE CONSTRUCTED. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS WITH ALL SUBCONTRACTORS AND OTHER RELATED ENTITIES TO ENSURE EFFICIENT AND ORDERLY INSTALLATION OF EACH PART OF THE WORK. EACH CONTRACTOR SHALL COORDINATE ITS OPERATIONS WITH THE OPERATIONS OF OTHER CONTRACTORS FOR PROPER INSTALLATION, CONNECTION AND OPERATION.

### EXISTING CONDITIONS:

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. ANY VARIANCE FROM CONDITIONS SHOWN ON THESE DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

### SHOP DRAWINGS/SUBMITTALS:

SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY ARCHITECTURAL SPECIFICATIONS. THE STRUCTURAL SHOP DRAWING REVIEW IS INTENDED TO HELP THE ENGINEER VERIFY THE DESIGN CONCEPT. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE IDENTIFIED UPON HIS REVIEW AND REVISED PRIOR TO FORWARDING TO ARCHITECT. THE STRUCTURAL SHOP DRAWINGS WILL BE RETURNED FOR RESUBMITTAL IF A CURSORY REVIEW SHOWS MAJOR ERRORS WHICH SHOULD HAVE BEEN FOUND BY THE CONTRACTOR'S CHECKING.

VERIFY ALL DIMENSIONS WITH ARCHITECT AND ALL FINISHED GRADE WITH CIVIL DRAWINGS.

ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS SHALL BE CLOUDED BY MANUFACTURER OR FABRICATOR. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED APPROVED AFTER ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY.

THE ENGINEER HAS THE RIGHT TO APPROVE OR DISAPPROVE ANY CHANGES TO CONTRACT DOCUMENTS AT ANY TIME BEFORE OR AFTER SHOP DRAWING REVIEW.

THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER OR ARCHITECT ARE NOT TO BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE SURE ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS.

THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY.

REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR.

REPRODUCTION OF ANY PORTION OF THE CONTRACT DOCUMENTS FOR USE IN SUBMITTALS IS NOT PERMITTED AND MAY RESULT IN REJECTION.

### GENERAL REQUIREMENTS:

ENTIRE CONTRACT DOCUMENTS SHALL BE USED TO BUILD BUILDING. SOME CRITICAL ITEMS REQUIRED BY OTHER DISCIPLINES MAY NOT BE SHOWN ON STRUCTURAL DRAWING (i.e. WALL, FLOOR AND ROOF OPENING, ARCHITECTURAL, MECHANICAL AND PLUMBING LOADS, SUPPORT PLATES ETC.). IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO PERFORM CAREFUL COORDINATION BETWEEN TRADES DURING CONSTRUCTION.

WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. SPECIFIC DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER TYPICAL DETAILS AND GENERAL STRUCTURAL NOTES. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ENGINEER IMMEDIATELY UPON DISCOVERY.

DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS OF ANY KIND.

ALL PROPRIETARY ITEMS, MATERIALS AND COMPONENTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, GUIDELINES AND/OR RECOMMENDATIONS.

ITEMS SHOWN BY OTHER DISCIPLINES WITH REFERENCE TO STRUCTURAL DRAWING BUT NOT SHOWN ON THESE STRUCTURAL DOCUMENTS SHALL BE CONSIDERED DESIGN BUILD ITEMS AND COSTS REQUIRED FOR THESE ITEMS SHALL BE INCLUDED IN CONTRACTOR'S PRICING EXERCISES AND BID. CONTRACTOR SHALL SUBMIT DESIGN BY OTHERS FOR REVIEW.

THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO, NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS.

CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA.

ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION. SHOW PENETRATIONS AND BLOCKOUT LOCATIONS ON SHOP DRAWINGS AND OTHER SUBMITTALS PRIOR TO ENGINEER'S REVIEW.

OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF HE CHOOSES AN OPTION, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES AND SHALL COORDINATE ALL DETAILS.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

DETAILS INDICATED AS TYPICAL (i.e., TYP) APPLY TO ALL SIMILAR CONDITIONS.

SOME DETAILS ARE DEFINED AS TYPICAL TO THE PROJECT AND NOT NECESSARILY CUT OR CALLED OUT ON PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO APPLY AND COORDINATE THESE DETAILS WITH CONDITIONS DEFINED THROUGHOUT THE CONTRACT DOCUMENTS AS REQUIRED.

ALL DIMENSIONS SHOWN (INCLUDING ELEVATIONS) ON STRUCTURAL DRAWINGS ARE TO ASSIST CONTRACTOR IN VERIFICATION.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION - RESOLVE ANY DISCREPANCY WITH THE ARCHITECT. CONTRACTOR SHALL COORDINATE ALL FINISHED GRADE ELEVATIONS SHOWN IN CIVIL DRAWINGS WITH MINIMUM FOOTING DEPTHS SHOWN IN STRUCTURAL DRAWINGS - NOTIFY ENGINEER OF ANY DISCREPANCY PRIOR TO START OF CONSTRUCTION.

ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF THE PROJECT.

SUPPLIER OF ENGINEERED STRUCTURAL COMPONENTS (i.e. STEEL JOISTS, STAIRS, PRECAST ITEMS) SHALL BE RESPONSIBLE FOR COMPLETE DESIGN AND SHALL USE ENTIRE CONTRACT DOCUMENTS TO INCLUDE ALL LOADS AND DETAIL REQUIREMENTS FROM ALL DISCIPLINES. SUPPLIER SHALL PROVIDE ADDITIONAL MATERIAL REQUIRED TO MEET ALL THEIR REQUIREMENTS FOR INSTALLATION (i.e. WIDER BEARING PLATES, SHIMS, ERECTION BOLTS ETC.).

STRUCTURAL STEEL SUPPLIER SHALL FURNISH BOLTS FOR OSHA CONNECTIONS.

### SPECIAL INSPECTION:

THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS OR AGENCIES WHO SHALL PROVIDE INSPECTIONS DURING CONSTRUCTION FOR THE ITEMS LISTED BELOW. THE CONTRACTOR SHALL COOPERATE WITH THE SPECIAL INSPECTOR AND SHALL FURNISH TOOLS, EQUIPMENT AND ASSISTANCE AS REQUESTED. THE CONTRACTOR SHALL NOTIFY THE INSPECTOR AT LEAST 24 HOURS PRIOR TO EXPECTED TIME FOR OPERATIONS REQUIRING TESTING OR INSPECTION SERVICES. THE INSPECTOR SHALL FAMILIARIZE HIMSELF WITH ALL APPLICABLE PORTIONS OF THE CONTRACT DOCUMENTS PERTAINING TO THE AREA OF INVESTIGATION PRIOR TO PERFORMING SERVICES. COMPENSATION FOR SPECIAL INSPECTION SERVICES SHALL BE PROVIDED BY THE OWNER.

SALAS O'BRIEN IS NOT THE SPECIAL INSPECTOR, AND SHALL NOT PERFORM THESE SERVICES.

INSPECTION BY THE OWNER OR OWNER'S AGENT DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

PER IBC SECTION 1704, SPECIAL INSPECTION IS REQUIRED FOR THE ITEMS DEFINED IN THE SPECIAL INSPECTION MATRIX FOR EACH TYPE OF CONSTRUCTION IN THESE STRUCTURAL CONSTRUCTION DOCUMENTS.

### DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

- THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATION.
- THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE ENGINEER OR ARCHITECT OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
- UPON COMPLETION OF THE WORK THE SPECIAL INSPECTOR SHALL COMPLETE AND SIGN THE APPROPRIATE FORMS CERTIFYING THAT TO THE BEST OF THEIR KNOWLEDGE THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

ALL TEST & INSPECTION REPORTS SHALL BE COPIED TO THE STRUCTURAL ENGINEER WITHIN 3 DAYS OF INSPECTION OR TEST.

### SITE VISITS:

THE STRUCTURAL ENGINEER OF RECORD SHALL MAKE PERIODIC VISITS TO THE SITE TO OBSERVE GENERAL COMPLIANCE WITH THE APPROVED STRUCTURAL PLANS, SPECIFICATIONS AND CHANGE ORDERS. THE ENGINEER SHALL SUBMIT A STATEMENT IN WRITING TO THE BUILDING DEPARTMENT STATING THAT SITE VISITS HAVE BEEN MADE, AND THAT TO THE BEST OF THEIR KNOWLEDGE, ANY DEFICIENCIES NOTED HAVE BEEN CORRECTED. THE OWNER'S TESTING AGENCY SHALL ALSO SUBMIT A FINAL REPORT AS REQUIRED IN SECTION 1704 OF THE IBC.

### 2.0 FOUNDATIONS:

GEOTECHNICAL REPORT BY TERRACON; JOB NO.EH205073 DATED 06/29/2021.

ALL RISKS ASSOCIATED WITH THESE DESIGN REQUIREMENTS HAVE BEEN FULLY EVALUATED AND ACCEPTED BY THE OWNER.

THE SLAB-ON-GRADE HAS NOT BEEN DESIGNED TO ACT AS A FLOOR DIAPHRAGM.

PERIMETER FOUNDATION DRAINS AND UNDERSLAB DRAINS ARE NON-STRUCTURAL ITEMS RELATED TO SOIL PERFORMANCE AND WATER TRANSPORT AWAY FROM THE BUILDING. THESE ITEMS ARE NOT THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER AND ARE NOT DEFINED OR SHOWN IN THE STRUCTURAL DRAWINGS. REFER TO OTHER DISCIPLINES' DRAWINGS AND THE GEOTECHNICAL REPORT FOR REQUIREMENTS.

SPREAD FOOTINGS SHALL BEAR ON SOILS AS DEFINED IN THE SOILS REPORT, 18" MINIMUM BELOW FINISHED GRADE AT EXTERIOR FOOTINGS; 12" MINIMUM BELOW GRADE AT INTERIOR FOOTINGS. FINISHED GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS AND LOWEST ADJACENT GRADE WITHIN 5 FEET FOR PERIMETER FOOTINGS. DESIGN SOIL BEARING VALUE = 2000 PSF. SOIL BEARING VALUES HAVE NOT BEEN INCREASED 33% FOR SEISMIC OR WIND LOADING. FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY SOILS ENGINEER PRIOR TO PLACEMENT OF CONCRETE.

EARTH CUTS ARE PERMITTED TO BE USED AS FORMS FOR VERTICAL FACES OF FOOTINGS.

### FOUNDATION SUBMITTALS:

THE FOLLOWING ITEMS SHALL BE SUBMITTED FOR REVIEW FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIRED SUBMITTALS.

MIX DESIGNS  
STEEL REINFORCEMENT SHOP DRAWINGS  
WELDING CERTIFICATES  
MATERIAL TEST REPORTS  
MATERIAL CERTIFICATES  
FIELD QUALITY CONTROL TEST AND INSPECTION REPORTS  
COLD-WEATHER AND HOT-WEATHER PROCEDURES

### 3.0 CONCRETE:

ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF ACI 301, UNLESS MORE STRINGENT REQUIREMENTS ARE DEFINED ELSEWHERE IN THE CONTRACT DOCUMENTS.

CONCRETE DEFINED ON THE STRUCTURAL DRAWINGS SHALL HAVE THE FOLLOWING PROPERTIES:

USE	MIN f'c, 28 DAY	SLUMP	MAX w/c RATIO	AIR CONTENT*	CEMENT TYPE
FOOTINGS	3,000 PSI	4"	0.50	NO REQUIREMENT	I/II
WALLS	3,000 PSI	4"	0.50	NO REQUIREMENT	I/II
SLABS ON GROUND (INTERIOR)	3,750 PSI	4" MAX	0.45	NO REQUIREMENT	I/II
SLABS ON GROUND (EXTERIOR)**	3,750 PSI	4" MAX	0.45	5.0%	I/II

SLUMP SHALL BE MEASURED AT POINT OF PLACEMENT (END OF PUMP HOSE, TREMIE, ETC.) - NO EXCEPTIONS.

SLUMP SPECIFIED AS A RANGE SHALL BE PROVIDED WITH TOLERANCE OF +/- 0".  
SLUMP SPECIFIED AS MAXIMUM SHALL BE PROVIDED WITH TOLERANCE OF +0", -1 1/2" FOR SLUMP 3" OR LESS, AND +0", -2 1/2" FOR SLUMP MORE THAN 3".  
SLUMP SPECIFIED AS A SINGLE VALUE SHALL BE PROVIDED WITH TOLERANCE OF +/- 1" FOR SLUMP 4" OR LESS; AND +/- 1 1/2" FOR SLUMP MORE THAN 4".  
REFER TO ACI 301 FOR ADDITIONAL INFORMATION.

\* SPECIFIED AIR CONTENT IS TOTAL CONCRETE AIR CONTENT (ENTRAPPED + ENTRAINED).

\*\* PAVING AND EXTERIOR FLATWORK - REFER TO ARCHITECTURAL/CIVIL DRAWINGS AND SPECIFICATIONS.

MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT THAT SLABS ON GRADE NEED BE VIBRATED ONLY AROUND UNDER-FLOOR DUCTS, ETC. IF PLASTICIZER IS USED, A HIGHER FINAL SLUMP MAY BE ALLOWED UPON STRUCTURAL ENGINEER'S APPROVAL. CAST CLOSURE POUR AROUND COLUMNS AFTER COLUMN DEAD LOAD IS APPLIED. UNLESS APPROVED OTHERWISE IN WRITING BY THE ARCHITECT, ALL CONCRETE SLABS ON GRADE SHALL BE BOUND BY CONTROL JOINTS (KEYED OR SAW CUT), SUCH THAT THE ENCLOSED AREA DOES NOT EXCEED 144 SQUARE FEET. KEYED CONTROL JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING, ALL OTHER JOINTS MAY BE SAW CUT. REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFIC JOINT LOCATIONS.

FLY ASH SHALL BE LIMITED TO 20% OF CEMENTITIOUS MATERIALS. FLY ASH NOT PERMITTED IN BUILDING SLABS ON GRADE.

"WET STABBING" OF ANY EMBEDDED ITEM OR BOLT IS STRICTLY PROHIBITED.

### REINFORCING STEEL:

ASTM A615 (Fy = 60 KSI) DEFORMED BARS FOR ALL BARS. ALL GRADE 60 REINFORCING TO BE WELDED OR FIELD BENT SHALL BE ASTM A706. WELDED WIRE FABRIC AND WIRE PER ASTM A1064. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER. LATEST ACI CODE AND DETAILING MANUAL APPLY. CLEAR CONCRETE COVERAGES AS FOLLOWS:

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
EXPOSED TO EARTH OR WEATHER	
#6 OR LARGER	2"
#5 AND SMALLER	1 1/2"
COLUMNS (TO TIES)	1 1/2"
BEAMS (TO STIRRUPS)	1 1/2"
FLAT SLAB	3/4"

ALL OTHERS PER LATEST EDITION OF ACI 318.

### LAP SPLICES IN CONCRETE:

LAP SPLICES, UNLESS NOTED OTHERWISE, SHALL BE CLASS "B" TENSION LAP SPLICES PER LATEST EDITION OF ACI 318. LAP SPLICES IN CONCRETE COLUMNS SHALL BE STANDARD COMPRESSION LAP SPLICES. STAGGER SPLICES A MINIMUM OF ONE LAP LENGTH. LAPS IN WELDED WIRE FABRIC SHALL BE MADE SO THAT THE OVERLAP, MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET, IS NOT LESS THAN THE SPACING OF CROSS WIRES PLUS 2 INCHES. ALL WELDED WIRE FABRIC SHALL BE CHAIRED TO ENSURE PROPER CLEARANCES.

ALL SPLICE LOCATIONS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER. UNLESS NOTED, LAP TOP BARS AT MID-SPAN AND BOTTOM BARS OVER SUPPORT. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAILS. REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. ALL BARS PER CRSI SPECIFICATIONS AND HANDBOOK. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION WITH STANDARD 90-DEGREE HOOKS UNLESS NOTED OTHERWISE. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE. CONCRETE COLUMN DOWEL EMBEDMENT SHALL BE A STANDARD COMPRESSION DOWEL WITH EMBEDMENT LENGTH ACCORDING TO THE LATEST EDITION OF THE ACI 318.

### POST INSTALLED ANCHORS TO CONCRETE:

THE INSTALLATION OF POST INTALLED ANCHORS SHALL BE INSPECTED IN ACCORDANCE WITH SECTION 1.3 OF ACI 318, AND THE GOVERNING BUILDING CODE. ANCHORS SHALL BE INSTALLED BY QUALIFIED PERSONNEL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII). THE FOLLOWING INSTALLATION CONDITIONS ARE REQUIRED:

NORMAL WEIGHT CONCRETE WITH A MIN f'c = 2500 PSI AND MAX f'c = 8000 PSI.  
CONCRETE AT TIME OF ANCHOR INSTALLATION SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 2500 PSI.

### ADHESIVE ANCHORS:

THE INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL ONLY BE PERFORMED BY PERSONNEL CERTIFIED BY THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM. REFER TO THE SPECIAL INSPECTIONS MATRIX FOR ADDITIONAL TESTING AND INSPECTION REQUIREMENTS. THE FOLLOWING INSTALLATION CONDITIONS ARE REQUIRED:

SHEET INDEX	
SHEET	DESCRIPTION
S001	GENERAL STRUCTURAL NOTES
S002	GENERAL STRUCTURAL NOTES
S003	SPECIAL INSPECTIONS
S004	SPECIAL INSPECTIONS
S005	SCHEDULES
S101	PLATFORM FOUNDATION PLAN
S201	FOUNDATION PLAN
S202	ROOF FRAMING PLANS
S203	BUILDING SECTIONS
S300	FOUNDATION DETAILS
S301	FOUNDATION DETAILS
S500	STEEL DETAILS
S540	CFS DETAILS
S541	CFS DETAILS

**STEEL AND MECHANICAL SUBCONTRACTORS NOTE:**  
STRUCTURAL DRAWINGS DO NOT INDICATE ALL WALL, FLOOR, OR ROOF PENETRATIONS FOR MECH DUCTS, DRAINS, VENTS, ETC.; DRAWINGS INDICATE TYPICAL AND SPECIAL CONDITIONS FOR FRAMING AT THE PENETRATIONS. GENERAL CONTRACTOR AND SUB CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING AND/OR MODIFYING OPENING LOCATIONS, ELEVATIONS, AND DIMENSIONS FOR MECH UNLESS NOTED OTHERWISE. COORDINATION TO BE COMPLETED PRIOR TO FABRICATION OF STRUCTURAL STEEL AND ROOF JOISTS.

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**SALAS O'BRIEN**  
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Salas O'Brien Project No. 2022-01991

Sheet No:	S001
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED / CHECKED	RH / RL
DETAILED / CHECKED	RH / RL
DATE SHEET	03/01/2022 / S001
NO.	
DATE	
REVISION DESCRIPTION	BY



STRUCTURAL  
GENERAL STRUCTURAL NOTES  
NORTH TRANSIT CENTER



**GENERAL STRUCTURAL NOTES - CONTINUED**

APPLY UNLESS NOTED OTHERWISE

**5.0 METALS:**

**STRUCTURAL STEEL:**

ALL WORK SHALL CONFORM TO THE LATEST EDITION OF AISC MANUAL OF STEEL CONSTRUCTION, AND LATEST EDITION OF AWS D1.1, UNLESS MORE STRINGENT REQUIREMENTS ARE DEFINED ELSEWHERE IN THE CONTRACT DOCUMENTS. SALAS O'BRIEN IS THE ENGINEER OF RECORD. UNLESS AN ACTIVITY OR DUTY IS SPECIFICALLY IDENTIFIED AS BEING PERFORMED BY THE PROJECT STRUCTURAL ENGINEER OF RECORD IN OSHA SUBPART R, IT WILL NOT BE PERFORMED BY THE ENGINEER. IT IS TO BE PERFORMED BY OTHERS.

ALL STRUCTURAL STEEL SHALL BE ASTM A992 (Fy = 50 KSI). ALL CHANNELS, ANGLES, AND PLATES SHALL BE ASTM A36 (Fy = 36 KSI). ALL PIPE STEEL SHALL BE ASTM A501 (Fy = 36 KSI) OR ASTM A53, TYPE E OR S, GRADE B (Fy = 35 KSI). ALL TUBE STEEL SHALL BE ASTM A500 (Fy = 46 KSI). ALL ANCHOR RODS SHALL BE ASTM F1554, GRADE 36 UNLESS NOTED OTHERWISE.

ALL REFERENCE TO HEADED STUDS SHALL BE HIGH STRENGTH HEADED STUDS. ATTACHMENT OF HEADED STUDS SHALL CONFORM TO ALL REQUIREMENTS OF THE LATEST EDITION OF THE "RECOMMENDED PRACTICES FOR STUD WELDING" AND THE "STRUCTURAL WELDING CODE" PUBLISHED BY AWS.

ALL BOLTS, ANCHOR BOLTS, EXPANSION BOLTS, ETC. SHALL BE INSTALLED WITH STEEL WASHERS AT FACE OF WOOD OR AT SLOTTED HOLES IN STEEL SECTIONS.

ALL WELDING SHALL BE PERFORMED BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. CERTIFICATES SHALL BE THOSE ISSUED BY AN ACCEPTED TESTING AGENCY. ALL WELDING DONE BY E70 SERIES LOW HYDROGEN RODS UNLESS NOTED OTHERWISE. FOR GRADE 60 REINFORCING BARS, USE E90 SERIES. ALL WELDING PER LATEST AMERICAN WELDING SOCIETY STANDARDS, (EXCEPT STEEL JOISTS AND JOIST GIRDERS SHALL COMPLY WITH SJI STANDARDS). SHOP WELDS AND FIELD WELDS SHALL BE SHOWN ON THE SHOP DRAWINGS SUBMITTED FOR REVIEW. ALL FULL (COMPLETE) PENETRATION WELDS SHALL BE TESTED AND CERTIFIED BY AN INDEPENDENT TESTING LABORATORY.

FILLET WELD SIZES SHOWN IN CONTRACT DOCUMENTS ARE THE FILLET WELD LEG SIZE. GROOVE WELD SIZES SHOWN IN CONTRACT DOCUMENTS ARE THE REQUIRED WELD SIZE "(E)".

THE ENGINEER SHALL BE COMPENSATED FOR ANY ANALYSIS, RE-DESIGN AND/OR REVIEW OF CONNECTIONS NOT CONFORMING TO THE CONTRACT DOCUMENTS, WHETHER MADE BY THE CONTRACTOR, THEIR SUBCONTRACTOR(S), FABRICATOR, DETAILER OR ERECTOR.

CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION FOR DETAILING, FABRICATION, ERECTION OR SCHEDULE IMPACTS AS A RESULT OF INCORRECT DETAILING IN THE SHOP DRAWINGS.

**HIGH STRENGTH BOLTS:**

ALL HIGH STRENGTH BOLTS SHALL BE ASTM 7/8" DIAMETER A325 AND SHALL BE INSTALLED AS BEARING-TYPE CONNECTIONS WITH THREADS INCLUDED IN SHEAR PLANE (I.E. A TYPE "N" CONNECTION) UNLESS NOTED OTHERWISE. UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE STRUCTURAL DRAWINGS, ALL A325 HIGH STRENGTH BOLTS SHALL BE TENSIONED TO THE VALUES SHOWN IN TABLE J3.1 OF THE AISC SPECIFICATION FOR STEEL BUILDINGS, USING ANY AISC APPROVED METHOD. ALL HIGH STRENGTH BOLTING SHALL BE INSPECTED BY AN INDEPENDENT TESTING LABORATORY.

**HEADED STUDS:**

ALL REFERENCE TO HEADED STUDS SHALL BE AUTOMATIC WELDED HIGH STRENGTH HEADED STUDS. ATTACHMENT SHALL CONFORM TO ALL REQUIREMENTS OF THE LATEST EDITION OF THE "RECOMMENDED PRACTICES FOR STUD WELDING" AND THE "STRUCTURAL WELDING CODE" PUBLISHED BY THE AMERICAN WELDING SOCIETY. CONFORMANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL QUALITY CONTROL TESTING PROVISIONS OF THE AFOREMENTIONED PUBLICATIONS.

**STEEL DECKING:**

ALL STEEL DECK SHALL BE DESIGNED, FABRICATED, WELDED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS" OF THE STEEL DECK INSTITUTE.

ALL WELDING SHALL BE PERFORMED BY WELDERS EXPERIENCED IN LIGHT GAGE STEEL DECK WORK. DECK WELDING MAY BE ACHIEVED WITH E60 SERIES LOW HYDROGEN RODS.

**DRYPACK:**

DRYPACK SHALL BE 5,000 PSI NON-SHRINK GROUT, FIVE STAR OR EQUIVALENT. INSTALL DRYPACK UNDER BEARING PLATES BEFORE FRAMING MEMBER IS INSTALLED. AT COLUMNS, INSTALL DRYPACK UNDER BASE PLATES AFTER COLUMN HAS BEEN PLUMBED BUT PRIOR TO FLOOR OR ROOF INSTALLATION.

**COLD FORMED STRUCTURAL STEEL FRAMING:**

ALL COLD-FORMED STEEL FRAMING SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" BY THE AMERICAN IRON AND STEEL INSTITUTE.

ALL PROPRIETARY ITEMS, MATERIALS AND COMPONENTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, GUIDELINES AND/OR RECOMMENDATIONS.

STEEL FOR 12, 14 AND 16 GAGE STUDS, JOISTS, TRACKS AND FOR ALL DIAGONAL TENSION STRAPS SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI. STEEL FOR ALL 18 AND 20 GAGE STUDS, JOISTS, AND TRACKS, AND FOR ALL GAGES OF ACCESSORIES AND BRIDGING SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI. STEEL SHALL BE G60 GALVANIZED <PAINTED>. STEEL SHEET FOR ALL STRUCTURAL FRAMING SHOWN IN THESE DRAWINGS SHALL CONFORM TO ASTM A 1003/A 1003M, STRUCTURAL GRADE, TYPE H, METALLIC COATED.

UNLESS SPECIFICALLY NOTED ELSEWHERE WITHIN THESE ENGINEERED COLD FORMED METAL FRAMING SHOP DRAWINGS, THE FOLLOWING SHALL APPLY AS A MINIMUM. ALL STUDS SHALL BE SECURELY SEATED FOR FULL END BEARING ON TOP AND BOTTOM TRACK. UNLESS NOTED OTHERWISE, PROVIDE DOUBLE STUDS AT ALL JAMBS, CORNERS, INTERSECTIONS, BEAM BEARINGS AND JOIST BEARINGS. BRIDGING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION WITH THE FOLLOWING MINIMUM REQUIREMENTS.

BRIDGING SHALL BE STEEL CHANNEL MADE FROM ASTM A1003/A1003M, STRUCTURAL GRADE, TYPE H, METALLIC COATED STEEL SHEET, OF SAME GRADE AND COATING DESIGNATION USED FOR FRAMING MEMBERS.

PROVIDE WALL BRIDGING AS NOTED ON THE DRAWINGS. SOLID BLOCKING SHALL BE INSTALLED IN LIEU OF BRIDGING WHERE NOTED ON THE DRAWINGS.

PROVIDE SOFFIT AND JOIST BRIDGING AS NOTED ON THE DRAWINGS. SOLID BLOCKING SHALL BE INSTALLED IN LIEU OF BRIDGING WHERE NOTED ON THE DRAWINGS.

BRIDGING CLIPS TO PROVIDE ATTACHMENT TO STUD WEB AND WRAP AROUND THE BRIDGING CHANNEL. BRIDGING ACCESSORIES SHALL BE FORMED FROM STRUCTURAL QUALITY STEEL WITH MINIMUM YIELD STRENGTH OF 50 KSI AND HAVE MINIMUM PROTECTIVE COATING COMPLYING WITH ASTM A1003/A1003M (OR ASTM A653/A653M). ALL STRUCTURAL FRAMING ACCESSORIES SHALL BE FORMED FROM STRUCTURAL QUALITY STEEL WITH MINIMUM YIELD STRENGTH OF 50 KSI AND HAVE MINIMUM PROTECTIVE COATING EQUAL TO ASTM A1003 G-60 GALVANIZED COATING.

WHEN REQUIRED, DEFLECTION CONNECTIONS SHALL ALLOW FOR POSITIVE ATTACHMENT TO STRUCTURE AND STUD WEB AND SHALL PROVIDE FRICTIONLESS, VERTICAL MOVEMENT. CONNECTION PRODUCTS ARE REQUIRED TO HAVE A VALID ICC ES REPORT OR EQUIVALENT COMPLYING WITH ICC ACCEPTANCE CRITERIA AC261. ALL STRUCTURAL FRAMING ACCESSORIES SHALL BE FORMED FROM STRUCTURAL QUALITY STEEL WITH MINIMUM YIELD STRENGTH OF 50 KSI AND HAVE MINIMUM PROTECTIVE COATING COMPLYING WITH ASTM 1003/A1003M (OR ASTM A653/A653M).

RIGID CONNECTIONS FOR ATTACHMENT OF METAL FRAMING TO METAL FRAMING AND TO THE PRIMARY STRUCTURE SHALL BE FORMED FROM STRUCTURAL QUALITY STEEL WITH MINIMUM YIELD STRENGTH OF 50 KSI AND HAVE MINIMUM PROTECTIVE COATING EQUAL TO COMPLYING WITH ASTM 1003/A1003M (OR ASTM A653/A653M).

ALL MEMBERS TO BE MANUFACTURED BY A MEMBER OF "STEEL STUD MANUFACTURERS ASSOCIATION" (SSMA), OR APPROVED EQUAL.

POWDER ACTUATED FASTENERS (PAF'S) SHALL BE HILTI X-U 0.157" DIA. OR APPROVED EQUAL. RE: DETAILS FOR EMBED INTO CONCRETE; RE: MFR FOR REQ'D EMBED. IN STEEL.

ALL SCREWS TO BE #10 U.N.O., SCREWS ATTACHED PER MFR. INSTRUCTIONS AND SHALL PENETRATE 3 THREAD MINIMUM BEYOND THE ATTACHED MATERIAL.

ALL WELDING SHALL BE PERFORMED BY WELDERS EXPERIENCED IN LIGHT GAGE STRUCTURAL STEEL FRAMING WORK.

DO NOT NOTCH FLANGES OF JOISTS OR STUDS.

HEADERS, JAMBS, STUDS, JOISTS, RAFTERS, KICKERS AND GIRTS SHALL BE INSTALLED IN ONE-PIECE LENGTHS WITH NO SPLICES PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE DRAWINGS.

**METALS SUBMITTALS:**

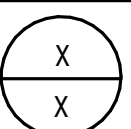

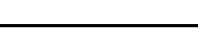



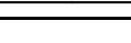

THE FOLLOWING ITEMS SHALL BE SUBMITTED FOR REVIEW FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIRED SUBMITTALS.

COLD-FORMED METAL FRAMING (CFS) SHOP DRAWINGS: SUBMIT SHOP DRAWINGS FOR INSTALLATION OF COLD FORMED STEEL SYSTEMS. PROVIDE 1/4" = 1'-0" SCALE ELEVATIONS OF ALL ROOFS, FLOORS, SOFFITS, WALLS AND OTHER WORK. SHOW ALL OPENINGS IN VERTICAL WORK; ALL BEAMS AND POSTS; SECTIONS THROUGH COLD FORMED CONSTRUCTION; AND FRAMING COORDINATED WITH THE BUILDING STRUCTURE AND OTHER TRADES. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTING DRAWINGS FOR REVIEW. **NO ENGINEERED DRAWINGS OR CALCULATIONS PERMITTED.**

**PRODUCT DATA**

- SHOP DRAWINGS
- STRUCTURAL STEEL
- STEEL JOIST FRAMING
- STEEL DECKING
- COLD-FORMED METAL FRAMING (PLANS, DETAILS, ELEVATIONS) – **NO ENGINEERING PERMITTED**
- WELDING PROCEDURE SPECIFICATIONS AND PROCEDURE QUALIFICATION RECORDS
- QUALIFICATION DATA FOR QUALIFIED INSTALLER, FABRICATOR, PROFESSIONAL ENGINEER, TESTING AGENCY
- WELDING CERTIFICATES
- MLL TEST REPORTS
- PRODUCT TEST REPORTS
- SOURCE QUALITY CONTROL REPORTS

**INFORMATION ON DRAWINGS**

PLAN LEGEND		
SYMBOL	DESCRIPTION	REMARKS
	DETAIL CUTS SHOWN ON PLANS	
	CONCRETE WALL UNO	SEE PLANS AND SCHEDULES FOR REINFORCING
	8" MASONRY WALL UNO	OTHER SIZES ARE DIMENSIONED ON PLANS.
	12" MASONRY WALL UNO	OTHER SIZES ARE DIMENSIONED ON PLANS.
	STUD WALL UNO	SEE GSN, PLANS, AND SCHEDULES FOR SIZE AND SPACING OF STUDS.
	MECHANICAL EQUIPMENT	SEE PLANS FOR UNIT WEIGHTS.
	OPENING IN FRAMING	SEE NOTE #4.
	INDICATES EXTENTS OF MEMBER	SEE PLANS.

ABBREVIATIONS			
AFF	ABOVE FINISHED FLOOR	IFW	INSIDE FACE OF WALL
ALT	ALTERNATE	IT	PRECAST INVERTED TEE BEAM
AB	ANCHOR BOLT	K (KIP)	1000 POUNDS
ADD'L	ADDITIONAL	LB	PRECAST ELL BEAM
ARCH	ARCHITECT	LBS (#)	POUNDS
ARCH'L	ARCHITECTURAL	LL	LIVE LOAD
B	AT (MEASUREMENT)	LLH	LONG LEG HORIZONTAL
BM	BEAM	LLV	LONG LEG VERTICAL
BFF	BELOW FINISHED FLOOR	LOC	LOCATION
BOB	BOTTOM OF BEAM	LVL	LAMINATED VENEER LUMBER
BOD	BOTTOM OF DECK	MAS	MASONRY
BOF	BOTTOM OF FOOTING	MAS GJ	MASONRY CONTROL JOINT
BOT (B)	BOTTOM	MAX	MAXIMUM
BRG	BEARING	MBM	METAL BUILDING MANUFACTURER
CFS	COLD FORMED STEEL	MECH'L	MECHANICAL
CSS	CENTER OF GRAVITY STRAND	MFR('S)	MANUFACTURER('S)
CIP	CAST IN PLACE	MIN	MINIMUM
CL	CENTERLINE	MP11	MFR PRINTED INSTALLATION INSTRUCTIONS
CJ	CONTROL JOINT	N/A	NOT APPLICABLE
CJP	COMPLETE JOINT PENETRATION	NTS	NOT TO SCALE
CTR'D	CENTERED	OC	ON CENTER
CLB	CENTERLINE OF BEAM	OFW	OUTSIDE FACE OF WALL
CLC	CENTERLINE OF COLUMN	OH	OPPOSITE HAND
CLF	CENTERLINE OF FOOTING	OPP	OPPOSITE
CLW	CENTERLINE OF WALL	OPNG	OPENING
CLR	CLEAR	OS	OVERSIZED
COL	COLUMN	OSB	ORIENTED STRAND BOARD
CONC	CONCRETE	PAF	POWDER ACTUATED FASTENER
CMU	CONCRETE MASONRY UNIT	PC	PRECAST CONCRETE
CONN	CONNECTION	PEMB	PRE-ENGINEERED METAL BUILDING
CONT	CONTINUOUS	PFWT	PREFABRICATED WOOD TRUSS
C	PENNY (SIZE)	PJ	PANEL JOINT
DAS	DEFORMED ANCHOR STUD	PL	PLATE
DEG	DEGREE	PLF	POUNDS PER LINEAR FOOT
DIA	DIAMETER	PLYWD	PLYWOOD
DL	DEAD LOAD	PREFAB	PREFABRICATED
DP	DEEP OR DRILLED PIER	PSF	POUNDS PER SQUARE FOOT
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DTL	DETAIL	PT	POST TENSION
DWG(S)	DRAWING(S)	PTL	PRESSURE TREATED LUMBER
EA	EACH	RB	PRECAST RECTANGLE BEAM
EC	EPOXY COATED	RE:	REFERENCE
EE	EACH END	REINF	REINFORCING
EL	ELEVATION	REQ'D	REQUIRED
ENGR	ENGINEER	RS	ROUGH SAWN
EOS	EDGE OF SLAB	SCHED	SCHEDULE
EQ	EQUAL	SLH	SHORT LEG HORIZONTAL
EQUIP	EQUIPMENT	SLV	SHORT LEG VERTICAL
EXIST (E)	EXISTING	SIM	SIMILAR
EXP ANCH	EXPANSION ANCHOR	SOG	SLAB ON GRADE
EXP JT (EJ)	EXPANSION JOINT	SOV	SLAB ON VOID
EW	EACH WAY	SQ	SQUARE
FDN	FOUNDATION	STD	STANDARD
FF	FINISHED FLOOR	STL	STEEL
FOM	FACE OF MEMBER	T&B	TOP AND BOTTOM
FOR	FACE OF WALL	TL	TOTAL LOAD
FP	FIRE PROOFING	TJI	PLYWOOD WEB JOIST
FTG	FOOTING	TOB	TOP OF BEAM
FV	FIELD VERIFY	TOC	TOP OF CONCRETE
GA	GAGE	TOD	TOP OF DECK
GALV	GALVANIZED	TOF	TOP OF FOOTING
GSN	GENERAL STRUCTURAL NOTES	TOL	TOP OF LEDGER
GLB (GLULAM)	GLUED-LAMINATED BEAM	TOM	TOP OF MASONRY
GT	GIRDER TRUSS	TOP	TOP OF PLATE
HC	PRECAST HOLLOW CORE PLANK	TOS	TOP OF STEEL
HDS	HEADED ANCHOR STUD	TOW	TOP OF WALL
HGD	HOT-DIP GALVANIZED	TYP	TYPICAL
HK	HOOK	UNO	UNLESS NOTED OTHERWISE
HORIZ	HORIZONTAL	VERT	VERTICAL
HT	HEIGHT	WP	WORK POINT
		WWF	WELDED WIRE FABRIC
		W/ (w/)	WITH
		W/O (w/o)	WITHOUT

NOTES	
1.	FOR MATERIAL STRENGTHS, SEE GENERAL STRUCTURAL NOTES.
2.	VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION - RESOLVE ANY DISCREPANCIES WITH ARCHITECT.
3.	FOR CLARITY, ALL EXTERIOR SLABS AND SIDEWALKS MAY NOT BE SHOWN. FOR EXACT DIMENSIONS, LOCATIONS, JOINT AND SCORE LINES, SEE ARCHITECTURAL DRAWINGS.
4.	FOR CLARITY, ALL OPENINGS MAY NOT BE SHOWN ON FRAMING PLANS. FOR EXACT SIZE, NUMBER, AND LOCATION OF OPENINGS, SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. FOR FRAMING AT OPENINGS, SEE TYPICAL STRUCTURAL DETAILS. VERIFY ALL SIZES, WEIGHTS AND LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL ENGINEER AND MECHANICAL CONTRACTOR THROUGH ARCHITECT.
5.	DETAILS MARKED "TYPICAL" MAY NOT BE CUT ON PLANS.
6.	CONC C.J. - SHALL BE EITHER KEYED OR SAW CUT CONTROL JOINT IN SLAB ON GRADE AT CONTRACTOR'S OPTION, SEE GENERAL STRUCTURAL NOTES AND PLANS.
7.	MAS C.J. - PROVIDE MASONRY CONTROL JOINT IN MASONRY WALL PER G.S.N. AND TYPICAL DETAIL.
8.	FOR CLARITY, DETAILS MAY SHOW ONLY ONE SIDE OF FRAMING CONDITION.
9.	CONTRACTOR TO VERIFY, AND BE RESPONSIBLE FOR VARIATIONS IN CONCRETE QUANTITY DUE TO CAMBER, CONSTRUCTION DEAD LOAD DEFLECTIONS AND/OR TOLERANCES OF STRUCTURAL STEEL ELEMENTS (I.E. BEAMS, STEEL DECK, ETC.) AND PRECAST CONCRETE ELEMENTS.
10.	ALL SCHEDULE MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THE PLANS WHERE THE SCHEDULES OCCUR. SCHEDULES ARE TYPICAL TO THE PROJECT.

Sheet No:	S002				
DESIGNED RH CHECKED RL	PARISH	EAST BATON ROUGE PARISH	CITY PROJECT	16-CI-US-0032	STATE PROJECT
DATE	NO.	DATE	NO.	DATE	NO.
REVISION DESCRIPTION					
BY					



STRUCTURAL  
GENERAL STRUCTURAL NOTES  
NORTH TRANSIT CENTER



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Salas O'Brien Project No. 2022-01991



SPECIAL STRUCTURAL INSPECTIONS					
MATERIAL	VERIFICATION AND INSPECTION TASK	FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
SOILS (RE: IBC TABLE 1705.6)	VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	---	X		
	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	---	X		
	PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	---	X		
	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X	---		
	PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X		
CONCRETE (RE: IBC TABLE 1705.3)	INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	---	X	ACI318: 3.5,7.1-7.7	1910.4
	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5B.	---	---	AWS D1.4 ACI318:3.5.2	
	INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED. OR WHERE STRENGTH DESIGN IS USED.	X	---		1908.5, 1909.1
	INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	---	X	ACI318:3.8.6, 8.1.3, 21.2.8	1909.1
	VERIFYING USE OF REQUIRED DESIGN MIX.	---	X	ACI318: CH. 4,5.2-5.4	1904.2, 1910.2, 1910.3
	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TEST, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---	ASTM C 172 ASTM C 31 ACI318: 5.6,5.8	1910.10
INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---	ACI318: 5.9,5.10	1910.6, 1910.7, 1910.8	
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X	ACI318: 5.11-5.13	1910.9	

SPECIAL STRUCTURAL INSPECTIONS					
MATERIAL	VERIFICATION AND INSPECTION TASK	FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
COLD-FORMED STEEL FRAMING	MATERIAL VERIFICATION:	---	X		1705.10.2
	A) MEMBER SIZE AND THICKNESS TO MATCH CONTRACT DOCUMENTS INCLUDING TRACKS, STUDS, ASSEMBLIES, CONNECTORS.	---	X		
	B) FASTENER MATERIAL AND COMPONENTS.	---	X		
	INSPECTION OF INSTALLATION:	---	X		
	A) INSPECT MEMBER LAYOUT, CONNECTION, ORIENTATION.	---	X		
	B) SPECIAL INSPECTION REQUIRED FOR FASTENERS PER MANUFACTURER.	---	X		
	C) INSPECTION PRIOR TO SHEATHING:VERIFY FLANGES ARE INTACT, STUDS ARE NOT CUT OR SPLICED.	---	X		
INSPECTION OF WELDING.	---	X			

SPECIAL STRUCTURAL INSPECTIONS					
MATERIAL	VERIFICATION AND INSPECTION TASK	FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
POST INSTALLED ANCHORS	EPOXY ANCHORS	---	---		
	A) ALL EPOXY BOLTS TO HAVE I.C.C. RATING FOR MATERIAL INTO WHICH INSTALLATION TAKES PLACE. ALL EPOXY BOLTS ARE SUBJECT TO THE FOLLOWING SPECIAL INSPECTION AND TESTING.	---	---		
	B) VERIFY ANCHOR TYPE, DIMENSIONS, BASE MATERIAL TYPE & STRENGTH, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, EDGE DISTANCES, BASE MATERIAL THICKNESS, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE.	---	X		
	C) LOAD TEST THE FIRST 10% OF EACH TYPE OF BOLT TO 150% RECOMMENDED ALLOWABLE WORKING LOAD IN TENSION. IF AT ANYTIME THE NUMBER OF REJECTED BOLTS EXCEEDS 10%, TEST 100% OF REMAINING BOLTS UNTIL NOT MORE THAN 10% FAIL LOAD TEST. COSTS FOR ADDITIONAL TESTING BEYOND THE FIRST 10% OF ANY BOLT TYPE SHALL BE BORNE BY THE CONTRACTOR.	---	X		
	EXPANSION ANCHORS	---	---		
	A) ALL EXPANSION BOLTS TO HAVE I.C.C. RATING FOR MATERIAL INTO WHICH INSTALLATION TAKES PLACE. ALL EXPANSION BOLTS ARE SUBJECT TO THE FOLLOWING SPECIAL INSPECTION AND TESTING.	---	---		
B) VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, HOLE CLEANLINESS, EMBEDMENT DEPTH, BASE MATERIAL TYPE & STRENGTH, DRILL BIT DIAMETER, HOLE DEPTH, EDGE DISTANCES, ANCHOR SPACING, BASE MATERIAL THICKNESS, AND TIGHTENING TORQUE.	X	---			

NOTE: THIS TABLE IS NOT COMPREHENSIVE. ALL TESTING AND INSPECTION REQUIREMENTS DEFINED ELSEWHERE IN THE DRAWINGS AND SPECIFICATIONS ARE REQUIRED. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS AND BRING ANY DISCREPANCIES TO THE ENGINEER'S ATTENTION PRIOR TO BEGINNING THE WORK.

Sheet No:	S003
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED RH CHECKED RL	
DETAILED RH CHECKED RL	
DATE SHEET	03/01/2022
NO.	
DATE	
REVISION DESCRIPTION	
BY	



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Salas O'Brien Project No. 2022-01991





TABLE N6.1 INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT REFERENCE AISC 360, CHAPTER N				
INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT	QC		SI	
PLACEMENT AND INSTALLATION OF STEEL DECK	P		P	
PLACEMENT AND INSTALLATION OF STEEL HEADED ANCHORS	P		P	
DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS	P		P	
WHERE: O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER. QC - QUALITY CONTROL INSPECTOR (FABRICATOR OR ERECTOR) SI - SPECIAL INSPECTOR (QUALITY ASSURANCE INSPECTOR)				

STRUCTURAL STEEL REFERENCE: IBC SECTION 1705.2.1. INSPECTIONS FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH QUALITY ASSURANCE REQUIREMENTS OF AISC 360, CHAPTER N.	
<b>FABRICATOR AND ERECTOR QUALITY CONTROL PROGRAM</b> REFERENCE AISC 360, CHAPTER N, SECTION N2	
THE FABRICATOR'S QUALITY CONTROL INSPECTOR SHALL INSPECT THE FOLLOWING AS A MINIMUM, AS APPLICABLE: <ol style="list-style-type: none"> <li>SHOP WELDING, HIGH-STRENGTH BOLTING, AND DETAILS IN ACCORDANCE WITH AISC 360 SECTION N5.</li> <li>SHOP CUT AND FINISHED SURFACES IN ACCORDANCE WITH AISC 360, SECTION M2.</li> <li>SHOP HEATING FOR STRAIGHTENING, CAMBERING AND CURVING IN ACCORDANCE WITH AISC 360, SECTION M2.1.</li> <li>TOLERANCES FOR SHOP FABRICATION IN ACCORDANCE WITH SECTION 6 OF THE CODE OF STANDARD PRACTICE.</li> </ol> THE ERECTOR'S QUALITY CONTROL INSPECTOR SHALL INSPECT THE AS A MINIMUM, AS APPLICABLE: <ol style="list-style-type: none"> <li>FIELD WELDING, HIGH-STRENGTH BOLTING, AND DETAILS IN ACCORDANCE WITH AISC 360, SECTION N5.</li> <li>STEEL DECK AND HEADED STEEL STUD ANCHOR PLACEMENT AND ATTACHMENT IN ACCORDANCE WITH AISC 360, SECTION N6.</li> <li>FIELD CUT SURFACES IN ACCORDANCE WITH AISC 360, SECTION M2.2.</li> <li>FIELD HEATING FOR STRAIGHTENING IN ACCORDANCE WITH AISC 360, SECTION M2.1.</li> <li>TOLERANCES FOR FIELD ERECTION IN ACCORDANCE WITH SECTION 7.13 OF THE CODE OF STANDARD PRACTICE.</li> </ol>	
<b>FABRICATOR AND ERECTOR DOCUMENTS</b> REFERENCE AISC 360, CHAPTER N, SECTION N3	
SUBMITTALS FOR STEEL CONSTRUCTION AND AVAILABLE DOCUMENTS FOR STEEL CONSTRUCTION SHALL CONFORM TO AISC 360, SECTION N3.	
<b>INSPECTION AND NONDESTRUCTIVE TESTING PERSONNEL</b> REFERENCE AISC 360, CHAPTER N, SECTION N4	
QUALITY CONTROL INSPECTOR (FABRICATOR OR ERECTOR) QUALIFICATIONS, QUALITY ASSURANCE INSPECTOR (SPECIAL INSPECTOR) QUALIFICATIONS AND NONDESTRUCTIVE TESTING PERSONNEL (INSPECTION AGENCY PERSONNEL) QUALIFICATIONS SHALL CONFORM TO AISC 360, SECTION N4.	
<b>MINIMUM REQUIREMENTS FOR INSPECTION OF STRUCTURAL STEEL BUILDINGS</b> REFERENCE AISC 360, CHAPTER N, SECTION N5	
QUALITY CONTROL INSPECTIONS BY THE FABRICATOR'S OR ERECTOR'S QUALITY CONTROL INSPECTOR (QCI) AND QUALITY ASSURANCE INSPECTIONS OF FABRICATED ITEMS AND THE ERECTED STEEL SYSTEM BY THE SPECIAL INSPECTOR (SI), SHALL CONFORM TO AISC 360, SECTION N5 AND TABLES N5.4-1, N5.4-2, N5.4-3, N5.6-1, N5.6-2, N5.6-3. IN THESE TABLES INSPECTION TASKS ARE AS FOLLOWS:  O-OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P-PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.	
<b>NONDESTRUCTIVE TESTING OF WELDED JOINTS</b>	
NONDESTRUCTIVE TESTING OF WELDED JOINTS SHALL CONFORM TO AISC 360, SECTION N5 AND SHALL BE PERFORMED BY THE SPECIAL INSPECTOR (QUALITY ASSURANCE INSPECTOR) IN ACCORDANCE WITH AWS D1.1.	
<b>MINIMUM REQUIREMENTS FOR INSPECTION OF COMPOSITE CONSTRUCTION</b> REFERENCE AISC 360, CHAPTER N, SECTION N6	
INSPECTION OF COMPOSITE CONSTRUCTION SHALL CONFORM TO AISC 360, SECTION N6 AND TABLE N6.1	
<b>INSPECTION OF FABRICATORS AND FABRICATION PROCEDURES</b> REFERENCE IBC SECTION 1704.2.5	
INSPECTION OF FABRICATORS AND FABRICATION PROCEDURES SHALL BE PERFORMED BY THE QUALITY ASSURANCE INSPECTOR (SPECIAL INSPECTOR) AND SHALL CONFORM TO IBC SECTIONS 1704.2.5 AND 1704.2.5.1.	
<b>NONCONFORMING MATERIALS AND WORKMANSHIP</b> REFERENCE AISC 360, CHAPTER N, SECTION N8	
IDENTIFICATION AND REJECTION OF MATERIALS OR WORKMANSHIP THAT IS NOT IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS SHALL BE PERMITTED AT ANY TIME DURING THE PROGRESS OF THE WORK. NONCONFORMING MATERIAL AND WORKMANSHIP SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR AND THE FABRICATOR OR ERECTOR, AS APPLICABLE. NONCONFORMING MATERIAL OR WORKMANSHIP SHALL BE BROUGHT INTO CONFORMANCE, OR MADE SUITABLE FOR ITS INTENDED PURPOSE AS DETERMINED BY THE STRUCTURAL ENGINEER OF RECORD.	

TABLE N5.4-1 INSPECTION TASKS PRIOR TO WELDING REFERENCE AISC 360, CHAPTER N				
INSPECTION TASKS PRIOR TO WELDING	QC		SI	
WELDING PROCEDURE SPECIFICATIONS (WPS'S) AVAILABLE	P		P	
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P		P	
MATERIAL IDENTIFICATION (TYPE/GRADE)	O		O	
WELDER IDENTIFICATION SYSTEM*	O		O	
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY - JOINT PREPARATION - DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) - CLEANLINESS (CONDITION OF STEEL SURFACES) - TACKING (TACK WELD QUALITY AND LOCATION) - BACKING TYPE AND FIT (IF APPLICABLE)	O		O	
CONFIGURATION AND FINISH OF ACCESS HOLES	O		O	
FIT-UP OF FILLET WELDS - DIMENSIONS (ALIGNMENT, GAPS AND ROOT) - CLEANLINESS (CONDITION OF STEEL SURFACES) - TACKING (TACK WELDS QUALITY AND LOCATION)	O		O	
CHECK WELDING EQUIPMENT	O		-	
* THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.				
WHERE: O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER. QC - QUALITY CONTROL INSPECTOR (FABRICATOR OR ERECTOR) SI - SPECIAL INSPECTOR (QUALITY ASSURANCE INSPECTOR)				

TABLE N5.4-2 INSPECTION TASKS DURING WELDING REFERENCE AISC 360, CHAPTER N				
INSPECTION TASKS DURING WELDING	QC		SI	
USE OF QUALIFIED WELDERS	O		O	
CONTROL AND HANDLING OR WELDING CONSUMABLES - PACKAGING - EXPOSURE CONTROL	O		O	
NO WELDING OVER CRACKED TACK WELDS	O		O	
ENVIRONMENTAL CONDITIONS - WIND SPEED WITHIN LIMITS - PRECIPITATION AND TEMPERATURE	O		O	
WPS FOLLOWED - SETTINGS ON WELDING EQUIPMENT - TRAVEL SPEED - SELECTED WELDING MATERIALS - SHIELDING GAS TYPE/FLOW RATE - PREHEAT APPLIED - INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) - PROPER POSITION (F, V, H, OH)	O		O	
WELDING TECHNIQUES - INTERPASS AND FINAL CLEANING - EACH PASS WITHIN PROFILE LIMITATIONS - EACH PASS MEETS QUALITY REQUIREMENTS	O		O	
WHERE: O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER. QC - QUALITY CONTROL INSPECTOR (FABRICATOR OR ERECTOR) SI - SPECIAL INSPECTOR (QUALITY ASSURANCE INSPECTOR)				

TABLE N5.4-3 INSPECTION TASKS AFTER WELDING REFERENCE AISC 360, CHAPTER N				
INSPECTION TASKS AFTER WELDING	QC		SI	
WELDS CLEANED	O		O	
SIZE, LENGTH AND LOCATION OF WELDS	P		P	
WELDS MEET VISUAL ACCEPTANCE CRITERIA - CRACK PROHIBITION - WELD/BASE-METAL FUSION - CRATER CROSS SECTION - WELD PROFILES - WELD SIZE - UNDERCUT - POROSITY	P		P	
ARC STRIKES	P		P	
K-AREA*	P		P	
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P		P	
REPAIR ACTIVITIES	P		P	
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OF MEMBER	P		P	
* WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. OF THE WELD.				
WHERE: O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER. QC - QUALITY CONTROL INSPECTOR (FABRICATOR OR ERECTOR) SI - SPECIAL INSPECTOR (QUALITY ASSURANCE INSPECTOR)				

TABLE N5.6-1 INSPECTION TASKS PRIOR TO BOLTING REFERENCE AISC 360, CHAPTER N				
INSPECTION TASKS PRIOR TO BOLTING	QC		SI	
USE OF QUALIFIED WELDERS	O		P	
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O		O	
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	O		O	
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O		O	
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O		O	
PRE-INSTALLED VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHOD USED	P		O	
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O		O	
WHERE: O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER. QC - QUALITY CONTROL INSPECTOR (FABRICATOR OR ERECTOR) SI - SPECIAL INSPECTOR (QUALITY ASSURANCE INSPECTOR)				

TABLE N5.6-2 INSPECTION TASKS DURING BOLTING REFERENCE AISC 360, CHAPTER N				
INSPECTION TASKS DURING BOLTING	QC		SI	
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	O		O	
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O		O	
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O		O	
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH RSCS SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O		O	
WHERE: O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER. QC - QUALITY CONTROL INSPECTOR (FABRICATOR OR ERECTOR) SI - SPECIAL INSPECTOR (QUALITY ASSURANCE INSPECTOR)				

TABLE N5.6-3 INSPECTION TASKS AFTER BOLTING REFERENCE AISC 360, CHAPTER N				
INSPECTION TASKS AFTER BOLTING	QC		SI	
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P		P	
WHERE: O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER. QC - QUALITY CONTROL INSPECTOR (FABRICATOR OR ERECTOR) SI - SPECIAL INSPECTOR (QUALITY ASSURANCE INSPECTOR)				

STRUCTURAL STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL REFERENCE: IBC TABLE 1705.2.2	EXTENT OF SERVICE (CONTINUOUS OR PERIODIC)
1. MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK:  A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. <span style="float: right;">P</span>  B. MANUFACTURER'S CERTIFIED TEST REPORTS.	
2. INSPECTION OF WELDING AND FASTENERS:  A. COLD-FORMED STEEL DECK:  1) FLOOR AND ROOF DECK WELDS AND FASTNERS.  B. REINFORCING STEEL:  1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN A706. 2) REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT. <span style="float: right;">P</span> 3) SHEAR REINFORCEMENT. 4) OTHER REINFORCING STEEL.	
<b>INSPECTION OF FABRICATORS AND FABRICATION PROCEDURES</b> REFERENCE: IBC SECTION 1704.2.5.	

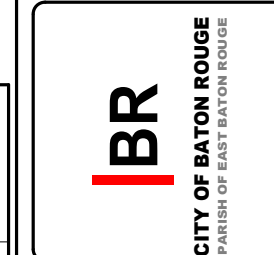


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Sheet No:	S004
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED / CHECKED	RH / RL
DETAILED / CHECKED	RH / RL
DATE SHEET	08/01/2022
	S004
NO.	DATE
	REVISION DESCRIPTION
	BY



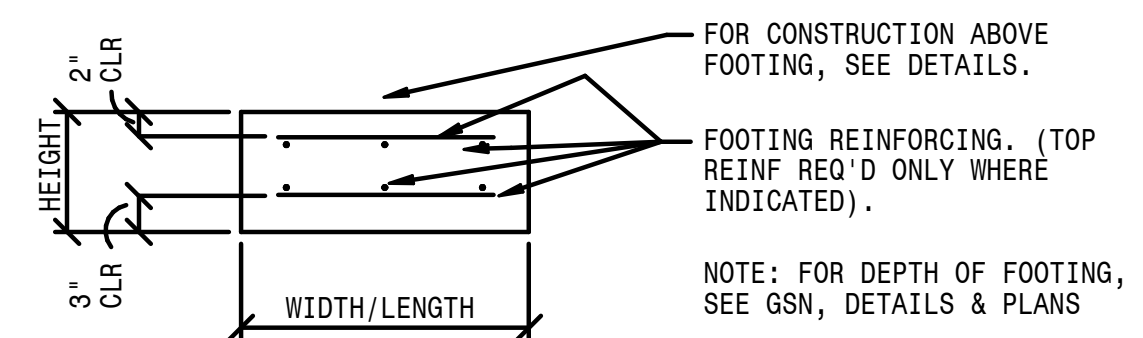
STRUCTURAL  
SPECIAL INSPECTIONS  
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ACI TENSION LAP SPLICE LENGTHS													
BAR SIZE	LAP CLASS	f'c = 3,000 PSI OR LESS				f'c = 4,000 PSI				f'c = 5,000 PSI OR LESS			
		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2
#3	A	22	32	17	25	19	28	15	22	17	25	13	19
	B	28	42	22	32	24	36	19	28	22	33	17	25
#4	A	29	43	22	33	25	37	19	29	22	33	17	26
	B	37	56	29	43	32	48	25	37	29	43	22	33
#5	A	36	54	28	41	31	47	24	36	28	42	22	32
	B	47	70	36	54	40	60	31	47	36	54	28	42
#6	A	43	64	33	50	37	56	29	43	33	50	26	38
	B	56	84	43	64	48	72	37	56	43	65	33	50
#7	A	63	94	48	72	54	81	42	63	49	73	37	56
	B	81	122	63	94	70	106	54	81	63	94	49	73
#8	A	72	107	55	82	62	93	48	71	55	83	43	64
	B	93	139	72	107	80	121	62	93	72	108	55	83
#9	A	81	121	62	93	70	105	54	81	63	94	48	72
	B	105	157	81	121	91	136	70	105	81	122	63	94
#10	A	91	136	70	105	79	118	61	91	70	105	54	81
	B	118	177	91	136	102	153	79	118	91	137	70	105
#11	A	101	151	78	116	87	131	67	101	78	117	60	90
	B	131	196	101	151	113	170	87	131	101	152	78	117
#14	N/A	121	181	93	139	105	157	81	121	94	140	72	108
#18	N/A	161	241	124	186	139	209	107	161	125	187	96	144

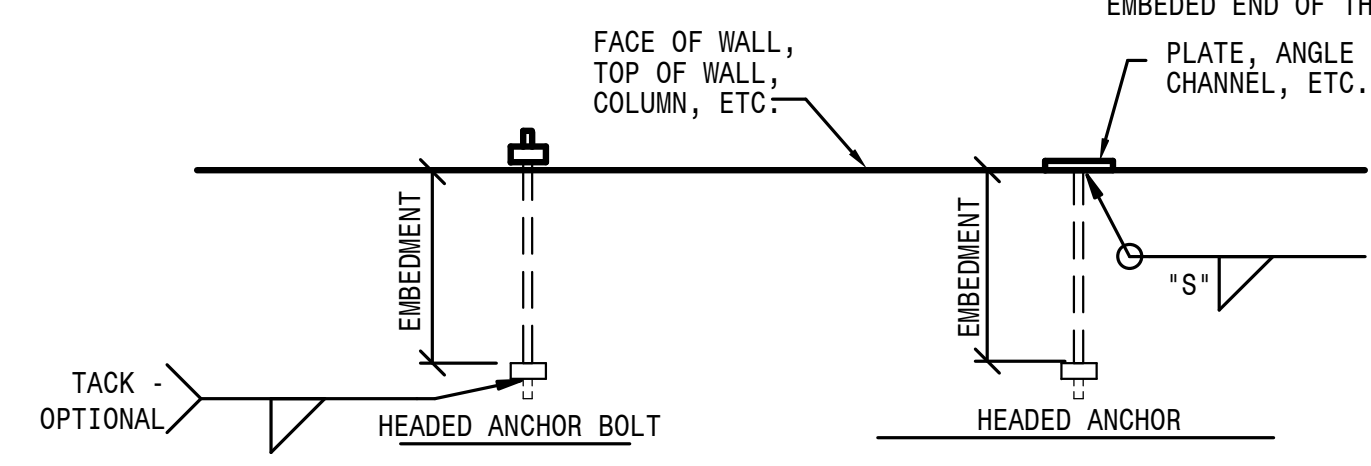
NOTE:  
 1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL WEIGHT CONCRETE.  
 2. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE CALCULATED PER ACI 318-14, SECTIONS 12.2 AND 12.15, RESPECTIVELY. TABULATED VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT AND CONCRETE COVER MEETING MINIMUM CODE REQUIREMENTS. LENGTHS ARE IN INCHES.  
 3. CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, CONCRETE COVER, AND THE CENTER-TO-CENTER SPACING OF THE BARS, ARE DEFINED AS:  
 BEAMS OR COLUMNS: CASE 1: COVER AT LEAST  $1.0 d_b$  AND c.-c. SPACING AT LEAST  $2.0 d_b$   
 CASE 2: COVER LESS THAN  $1.0 d_b$  OR c.-c. SPACING LESS THAN  $2.0 d_b$   
 ALL OTHERS: CASE 1: COVER AT LEAST  $1.0 d_b$  AND c.-c. SPACING AT LEAST  $3.0 d_b$   
 CASE 2: COVER LESS THAN  $1.0 d_b$  OR c.-c. SPACING LESS THAN  $3.0 d_b$   
 4. LAP SPLICE LENGTHS ARE MULTIPLES OF TENSION DEVELOPMENT LENGTHS: CLASS A =  $1.0d$  AND CLASS B =  $1.3d$  (ACI 318-14, SECTION 12.15.1).  
 5. ACI 318-14 DOES NOT ALLOW LAP SPLICES OF #14 OR #18 BARS. THE TABULATED VALUES FOR THOSE BAR SIZES ARE THE TENSION DEVELOPMENT LENGTHS.  
 6. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.  
 7. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.  
 8. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED VALUES BY ONE OF THE FOLLOWING FACTORS:  
 CONCRETE COVER AND SPACING TOP BARS OTHER BARS  
 COVER <  $3.0 d_b$  OR c.-c. SPACING <  $7.0 d_b$  .7/1.3=1.31 1.50  
 COVER >  $3.0 d_b$  AND c.-c. SPACING >  $7.0 d_b$  1.20 1.20

ISOLATED FOOTING SCHEDULE (F)					
MARK	THICKNESS	DIMENSIONS		REINFORCING	COMMENTS
		WIDTH	LENGTH		
F1	1'-0"	3'-0"	3'-0"	#5 AT 12" OC EW BOT	---



TYPICAL ANCHOR BOLT EMBEDMENT SCHEDULE			
BOLT DIAMETER (d <sub>b</sub> )	VERT BOLT EMBEDMENT LENGTH	HORIZ BOLT EMBEDMENT LENGTH	HEADED STUD FILLET WELD SIZE, "S"
1/2"	7"	4"	1/4"
5/8"	7"	4"	5/16"
3/4"	7"	5"	5/16"
7/8"	8"	6"	5/16"
1"	9"	7"	3/8"
1 1/8"	10"	8"	-----
1 1/4"	11"	9"	-----

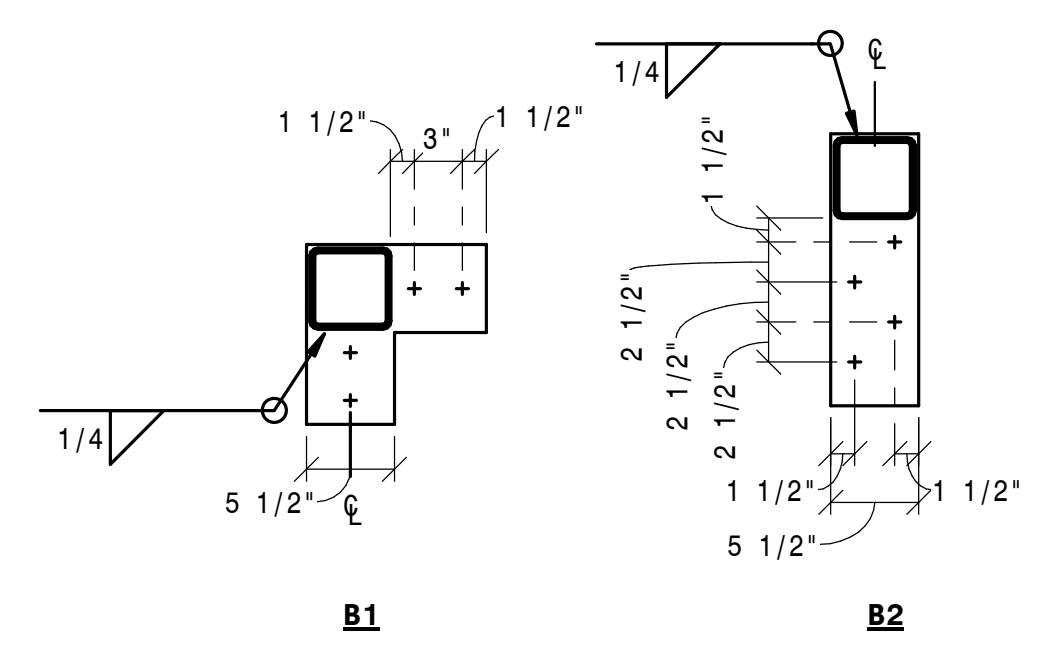
NOTES:  
 1. PROVIDE C.I.P. ANCHORS AND C.I.P. ANCHOR BOLTS PER THIS SCHEDULE UNLESS NOTED ON PLANS OR DETAILS.  
 2. AT "ANCHORS" USE 3/16" FILLET WELD("S").  
 3. THICKNESS OF DRYPACK DOES NOT APPLY TOWARDS EMBEDMENT.  
 4. UNLESS NOTED OTHERWISE, HEADED BOLTS SHALL BE USED AT ALL ANCHOR LOCATIONS EXCEPT THE FOLLOWING WHERE HOOKED ANCHORS MAY BE USED:  
 - SHEAR WALLS (EXCLUDING HOLD-DOWNS)  
 - BEAM/JOIST BEARING PLATES ON CONCRETE OR MASONRY  
 - EXTERIOR WOOD AND METAL STUD WALLS BOTTOM ATTACHMENT TO FOUNDATION  
 - STEEL AND WOOD LEDGERS NOT SUBJECT TO TENSION  
 5. HEADED ANCHOR BOLTS MAY BE CONSTRUCTED OF THREADED ROD MATERIAL WITH A NUT TACK WELDED TO THE THREADS ON THE EMBEDDED END OF THE ANCHOR.



STEEL COLUMN SCHEDULE (C)			
MARK	SIZE	BASE PLATE THICKNESS	COMMENTS
C1	HSS10X1/2	RE: 7/S301 FOR EMBED BASE PL	RE: 7/S301 FOR EMBED BASE PL
C2	HSS5X5X1/4	3/4"	---
C3	HSS6X6X1/4	3/4"	---

NOTES:  
 1. ALL ANCHOR RODS TO BE 3/4" DIA UNO.  
 2. RE: DETAILS FOR BASE PLATES AT COLUMN TYPE C1.  
 3. C1-X, C2-X, ETC, AS SHOWN ON PLAN INDICATES STEEL COLUMNS, WHERE "X" DENOTES BASE PLATE TYPE (SEE SCHEDULE).

BASE PLATE TYPES



STUD FRAMING SCHEDULE		
WALL HEIGHT	FRAMING	DEFLECTION TRACK
≤ 10' -0" TALL	600S162-43 AT 16" OC	600CST250-43

NOTES:  
 1. BOT TRACK TO BE T125 TO MATCH STUD DEPTH AND GAGE - TYP UNO.

EAST BATON ROUGE PARISH  
 PROJECT: 16-CI-US-0032  
 STATE PROJECT

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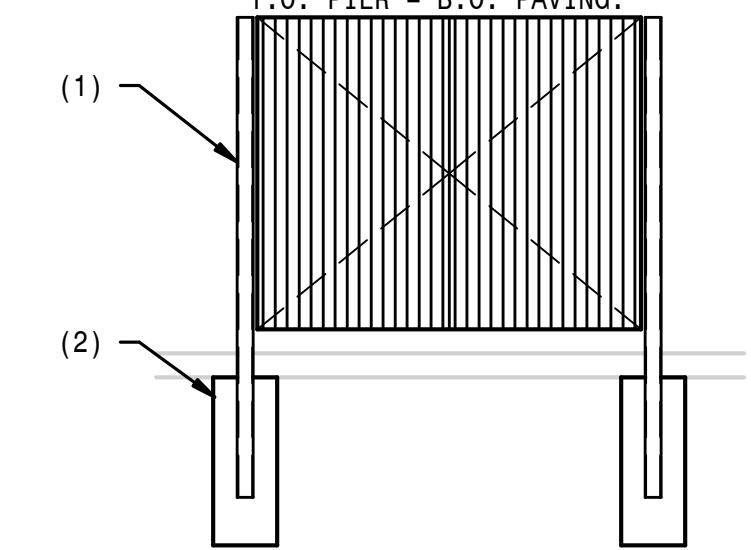
NO.	DATE	REVISION DESCRIPTION	BY



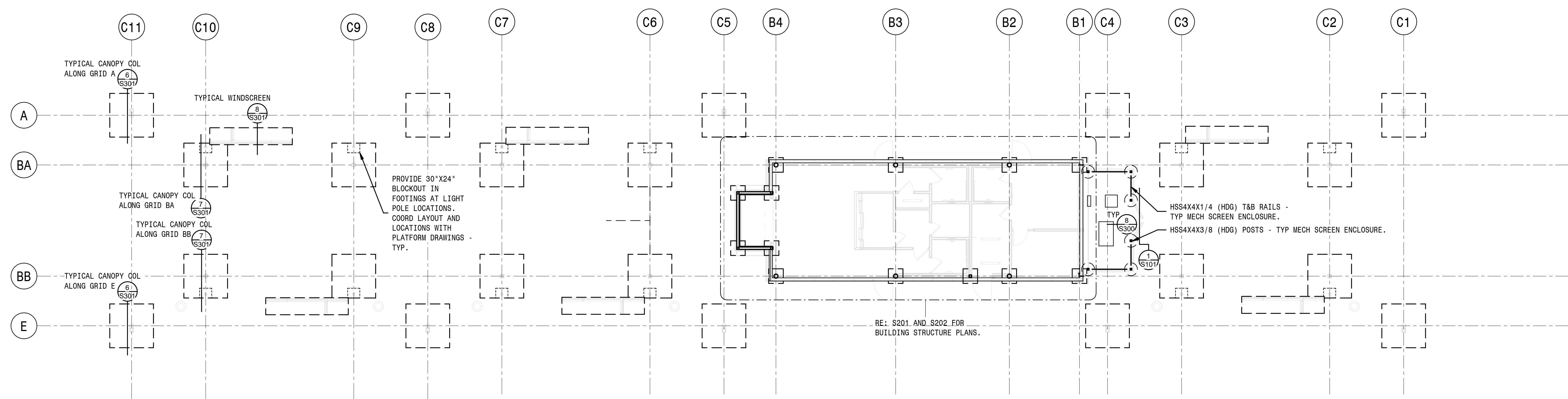
STRUCTURAL  
 PLATFORM FOUNDATION PLAN  
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- NOTES:  
 1. HSS4X4X3/8 (HDG) POSTS PER PLAN.  
 2. 16" DIA X 3'-6" DEEP CONC PIER (UNREINFORCED POST FOUNDATION).  
 T.O. PIER = B.O. PAVING.



1 MECH SCREEN GATE  
 NO SCALE

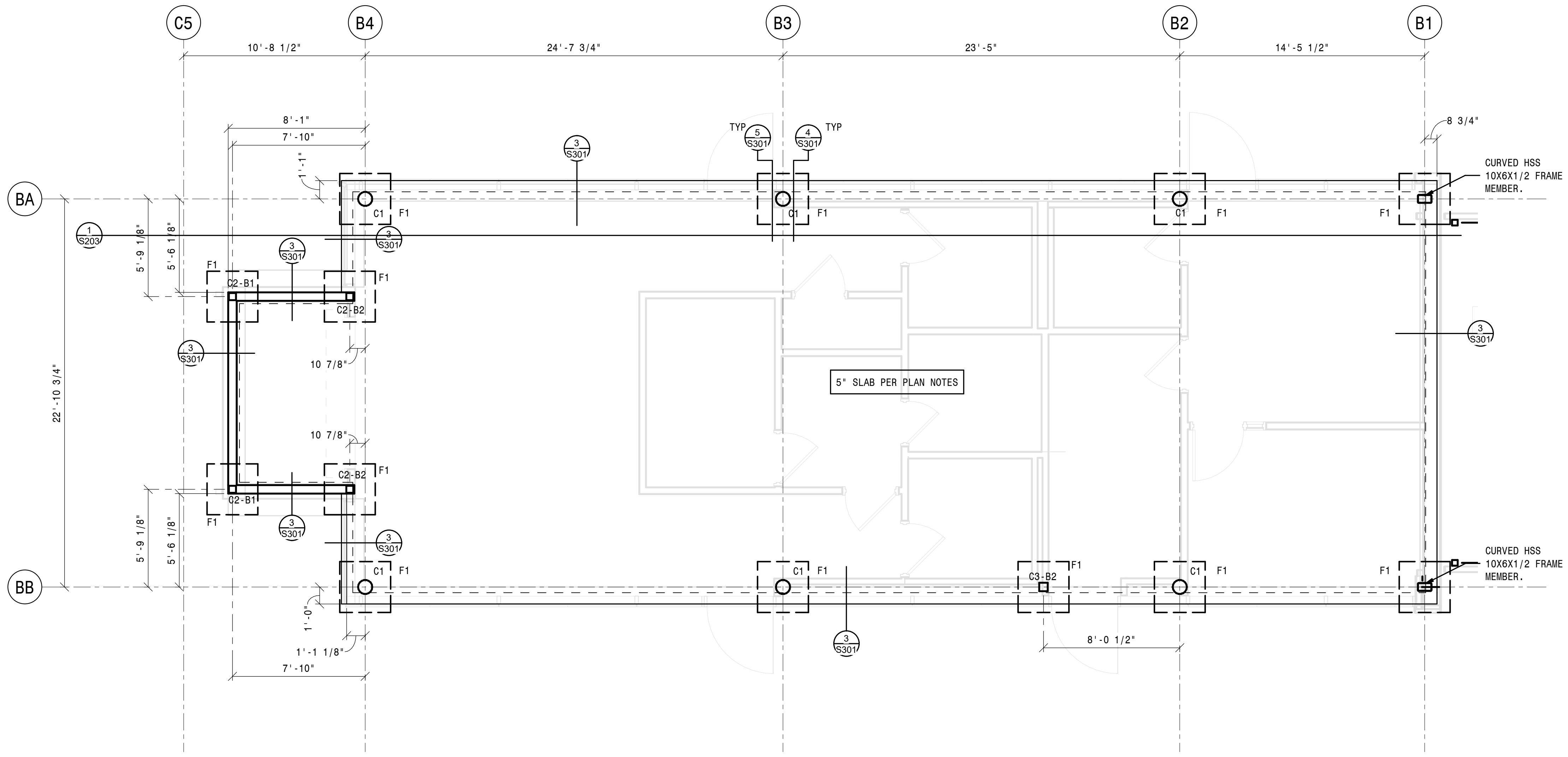


**PLATFORM FOUNDATION PLAN**  
 SCALE: 3/32" = 1'-0"



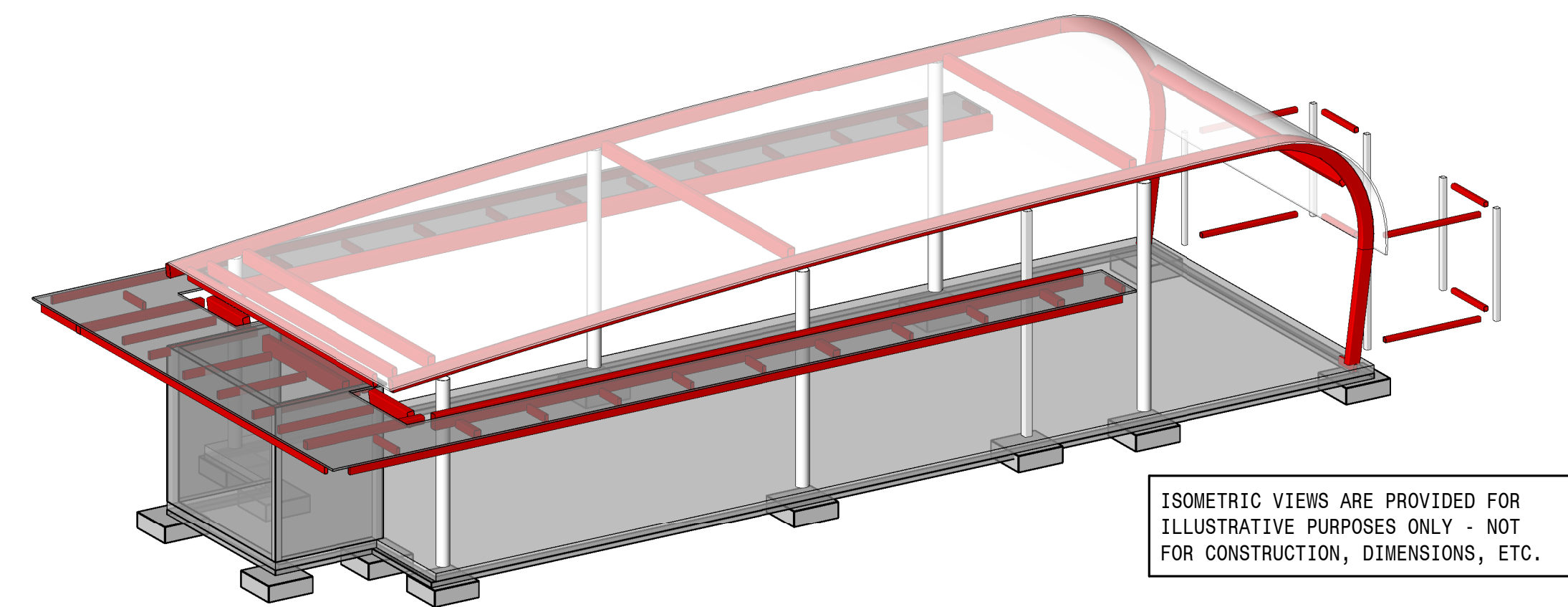
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5/23/23



- FOUNDATION PLAN NOTES:**
- ELEVATIONS SHOWN ON PLAN ARE BASED ON DATUM ELEVATION SPECIFIC TO THE PROJECT. RE: ARCH/CIVIL DRAWINGS FOR ACTUAL U.S.G.S ELEVATIONS AND BENCHMARK LOCATION.
  - CONCRETE SLAB ON GRADE IS 5" THICK REINFORCED WITH #3 AT 16" OC EW CENTERED IN SLAB UNO. TOP OF SLAB ELEVATION IS 100'-0" UNO.
  - VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
  - SCHEDULED MARK DESIGNATIONS ARE TYPICAL TO THE PROJECT AND MAY NOT NECESSARILY BE FOUND ON THIS PLAN.
  - TOP OF FOOTING SHOWN AS (XX'-XX"). FOOTING ELEVATIONS SHOWN ARE MAXIMUMS AND MAY NEED TO BE LOWERED DUE TO SOIL CONDITIONS. VERIFY CHANGES WITH ENGINEER OF RECORD. TOP OF EXTERIOR FOOTING ELEVATION SHALL BE 98'-6" UNO.
  - PROVIDE KEED CONSTRUCTION JOINTS IN WALLS, GRADE BEAMS, AND SLABS IN STRICT ACCORDANCE WITH THE REQUIREMENTS SHOWN IN THESE DOCUMENTS. HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH VERTICAL KEED CONTROL JOINTS.
  - F1, F2, ETC - AS SHOWN ON PLAN INDICATES ISOLATED FOOTING, SEE SCHEDULE FOR SIZE AND REINFORCING.
  - C1, C2, ETC - AS SHOWN ON PLAN INDICATES STEEL COLUMNS. SEE SCHEDULE FOR MORE INFORMATION. COLUMNS ARE IDENTIFIED AT EACH COLUMN'S LOWEST LEVEL ONLY.
  - FOR SIDEWALK LOCATION AND DETAILS, SEE ARCHITECTURAL DRAWINGS.
  - VERIFY SIZE AND LOCATION OF OPENINGS WITH ARCHITECTURAL DRAWINGS.
  - ALL COLUMNS ARE CENTERED ON GRIDS - TYP UNO.

**FOUNDATION PLAN**  
 SCALE: 1/4" = 1'-0"



ISOMETRIC VIEWS ARE PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY - NOT FOR CONSTRUCTION, DIMENSIONS, ETC.

**1 ISOMETRIC VIEW**  
 NO SCALE

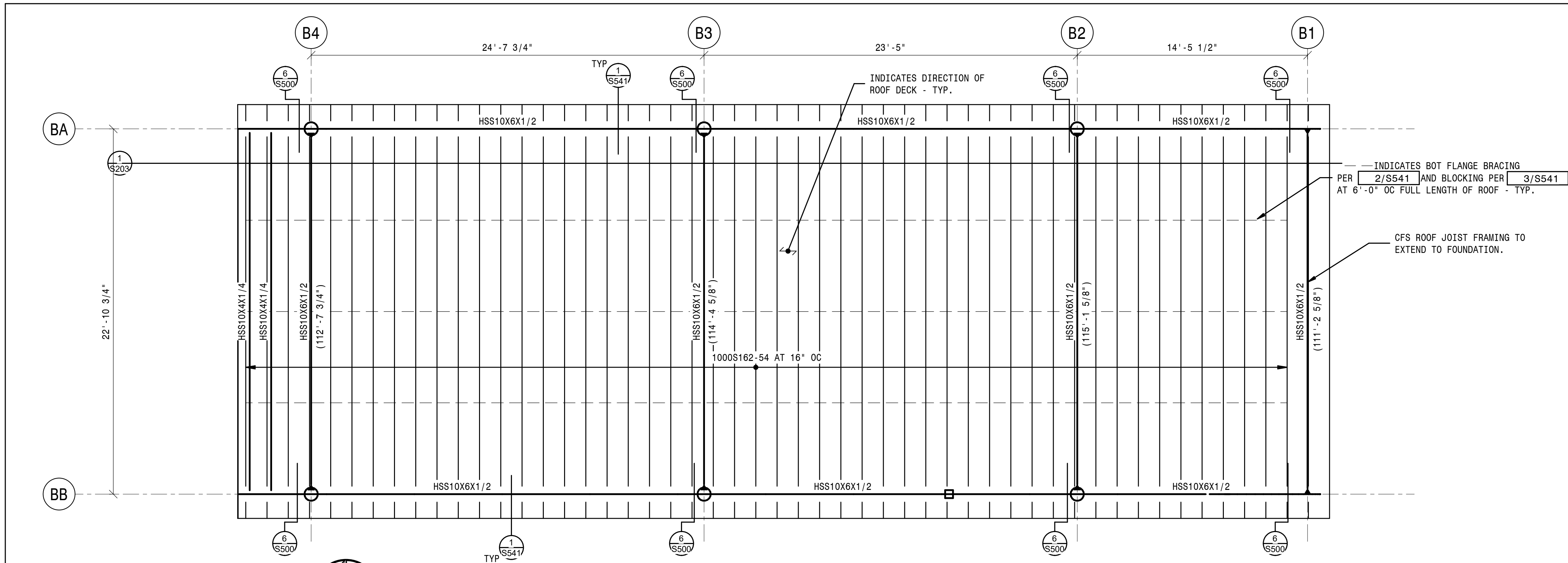
Sheet No:	S201
DESIGNED RH CHECKED RL	
DETAILED RH CHECKED RL	
DATE	09/01/2022
SHEET	S201
NO.	
DATE	
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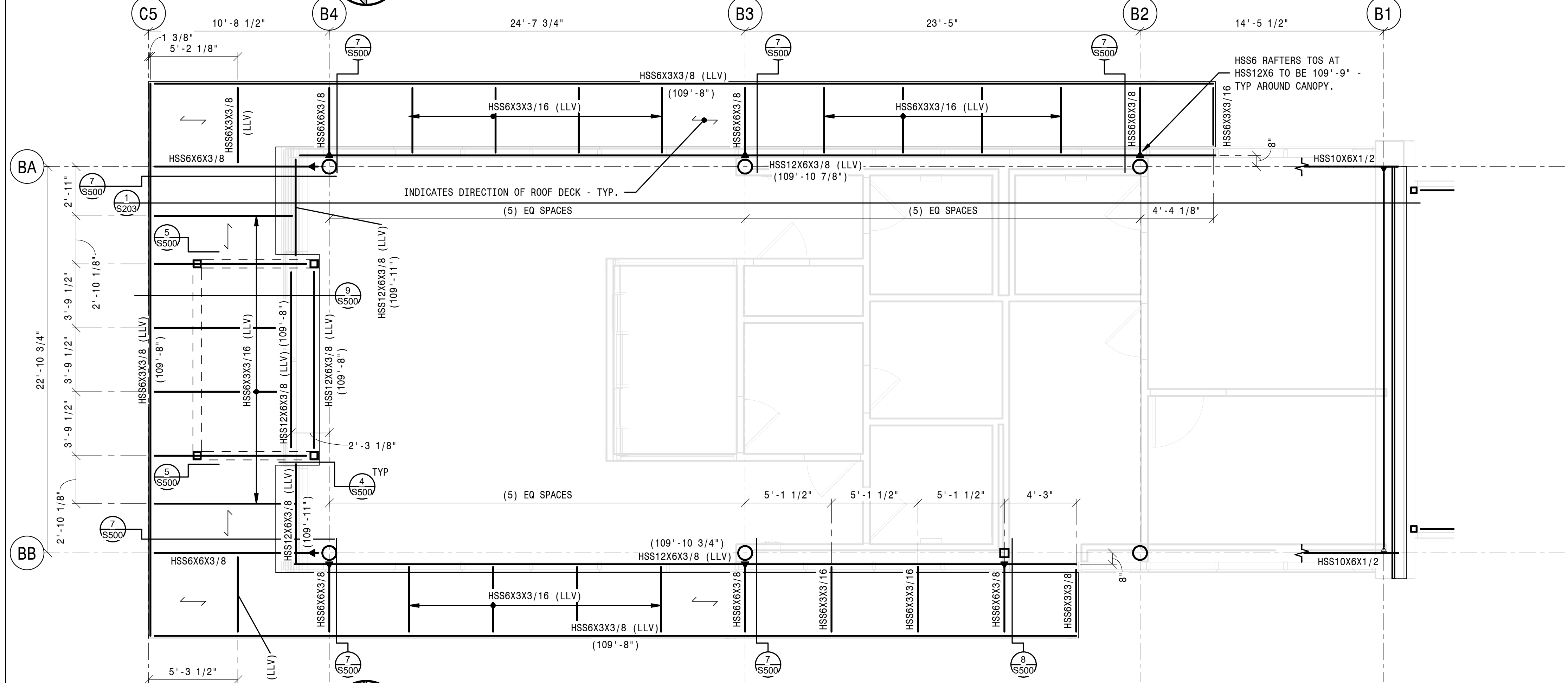
**STRUCTURAL FOUNDATION PLAN**  
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**ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"



**EYEBROW FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

- ROOF FRAMING NOTES:**
- VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. ROOF ELEVATIONS, WHERE SHOWN, ARE TO BE PROVIDED AND VERIFIED BY THE ARCHITECT.
  - SCHEDULED MARK DESIGNATIONS ARE TYPICAL TO THE PROJECT AND MAY NOT NECESSARILY BE FOUND ON THIS PLAN.
  - STEEL ROOF DECK SHALL BE 1.5" DEEP, 36" WIDE, 22 GAGE GALVANIZED STEEL. DECK SHALL BE ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AS (3) SPAN MINIMUM.  
  
STEEL EYEBROW DECK SHALL BE 1.0" DEEP, 36" WIDE, 20 GAGE GALVANIZED STEEL NON-COMPOSITE. DECK SHALL BE ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AS (3) SPAN MINIMUM.
  - WELD ROOF DECK AND EYEBROW DECK TO STEEL SUPPORTING MEMBERS W/ 3/16" - 5/8" DIAMETER PUDDLE WELDS PER SHEET AT ENDS, END LAPS, AND INTERMEDIATE SUPPORTS, AND WELDS AT 12" OC AT PERIMETER BEAMS AND OPENING EDGES RUNNING PARALLEL TO THE DECK.  
  
SCREW ROOF DECK TO CFS SUPPORTING MEMBERS W/ 3/16" - #12 SCREWS PER SHEET AT ENDS, END LAPS, AND INTERMEDIATE SUPPORTS, AND SCREW AT 12" OC AT PERIMETER BEAMS AND OPENING EDGES RUNNING PARALLEL TO THE DECK.  
  
SIDE SEAM ATTACHMENT SHALL BE #10 SCREWS AT 8" OC. MINIMUM DIAPHRAGM SHEAR CAPACITY = 712 PLF (ASD)  
  
ROOF DECK SHALL BE CURVED TO FIT STRUCTURE PROFILE.
  - FOR CLARITY, DETAILS MAY SHOW ONLY ONE SIDE OF FRAMING CONDITION.
  - FOR CLARITY, ALL ROOF OPENINGS MAY NOT BE SHOWN ON ROOF FRAMING PLAN. FOR EXACT SIZE, NUMBER, AND LOCATION OF OPENINGS, SEE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. FOR FRAMING AT OPENINGS, SEE TYPICAL DETAILS.
  - AS SHOWN ON PLAN INDICATES MOMENT CONNECTION. SEE DETAILS.

Sheet No:	S202
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED / R/CHECKED	RL
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DATE	
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**STRUCTURAL ROOF FRAMING PLANS**

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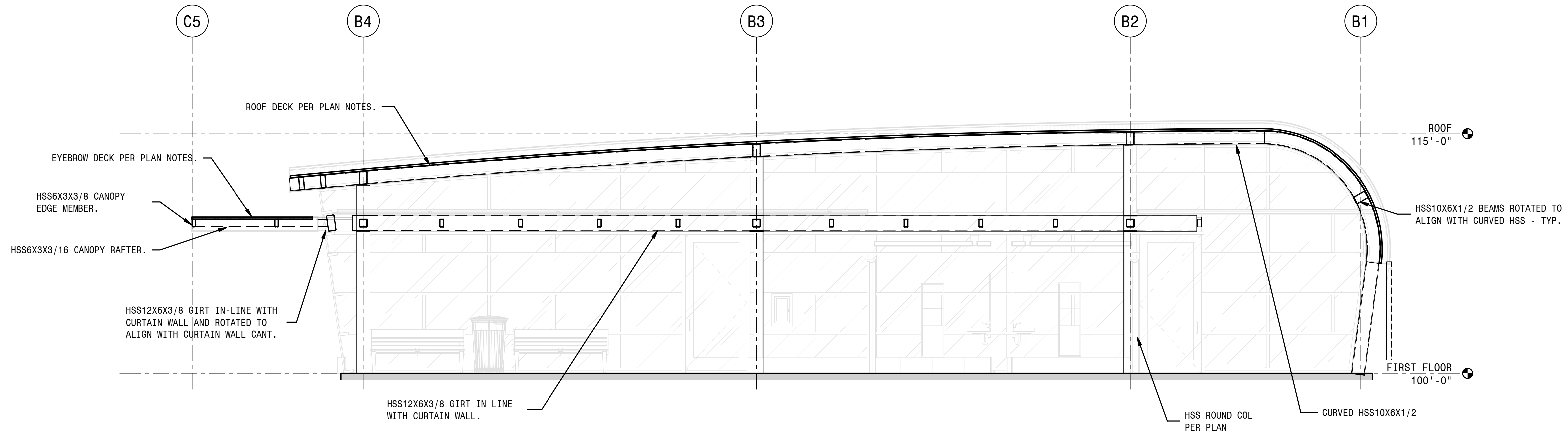
**BR**  
CITY OF BATON ROUGE  
PARISH OF EAST BATON ROUGE

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**1** NORTH-SOUTH BUILDING SECTION  
 SCALE: 1/4" = 1'-0"

Sheet No:	S203
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED RH	
CHECKED RL	
DATE SHEET	09/01/2022
BY	
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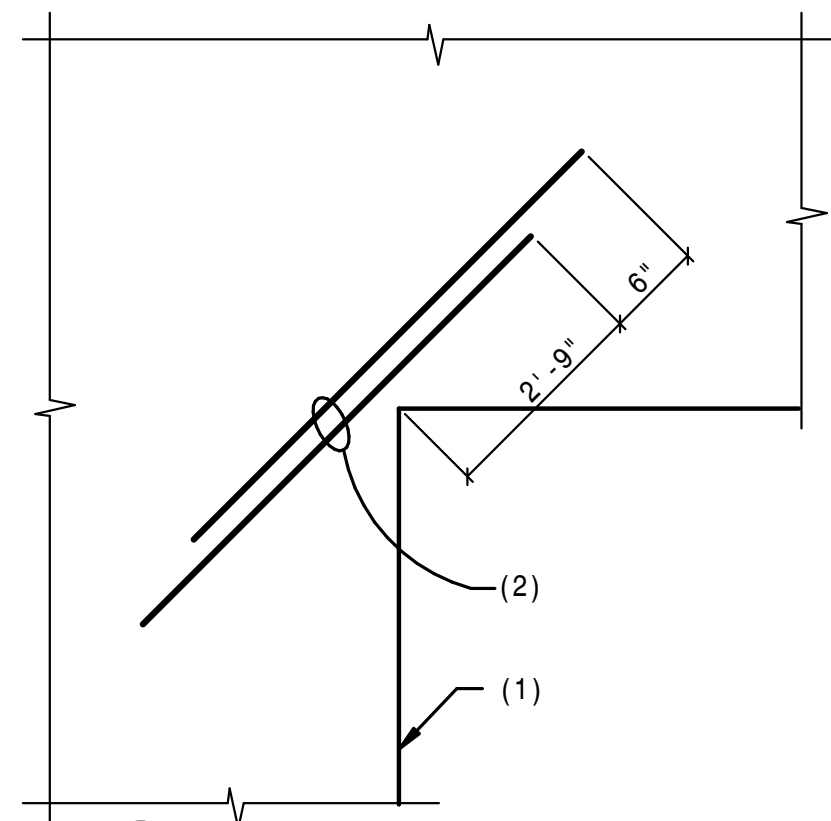


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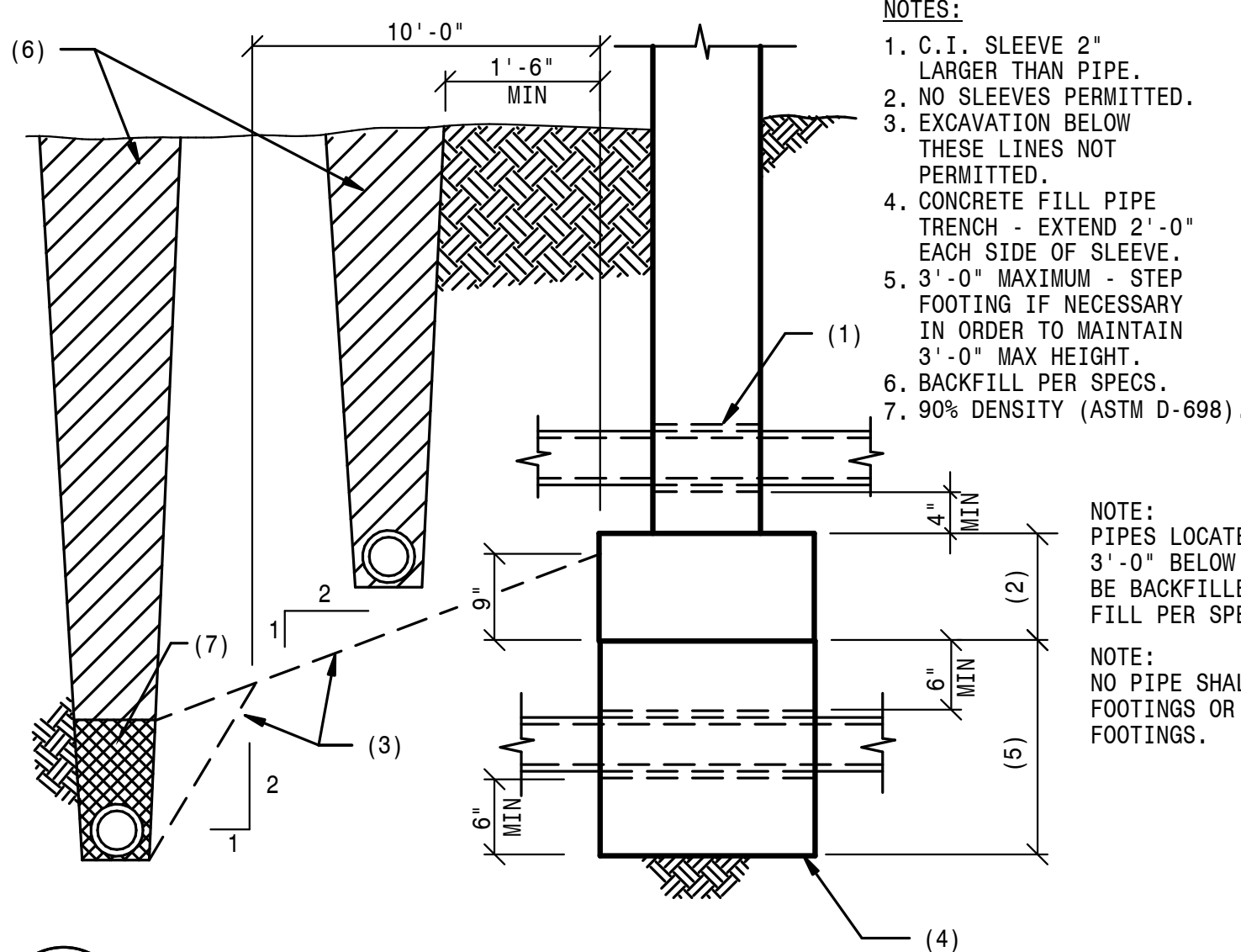




- NOTES:
1. SLAB EDGE.
  2. (2) #4 X 6'-0" LONG AT MID DEPTH.

**6 PLAN - REENTRANT CORNER REINFORCEMENT** NO SCALE

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.



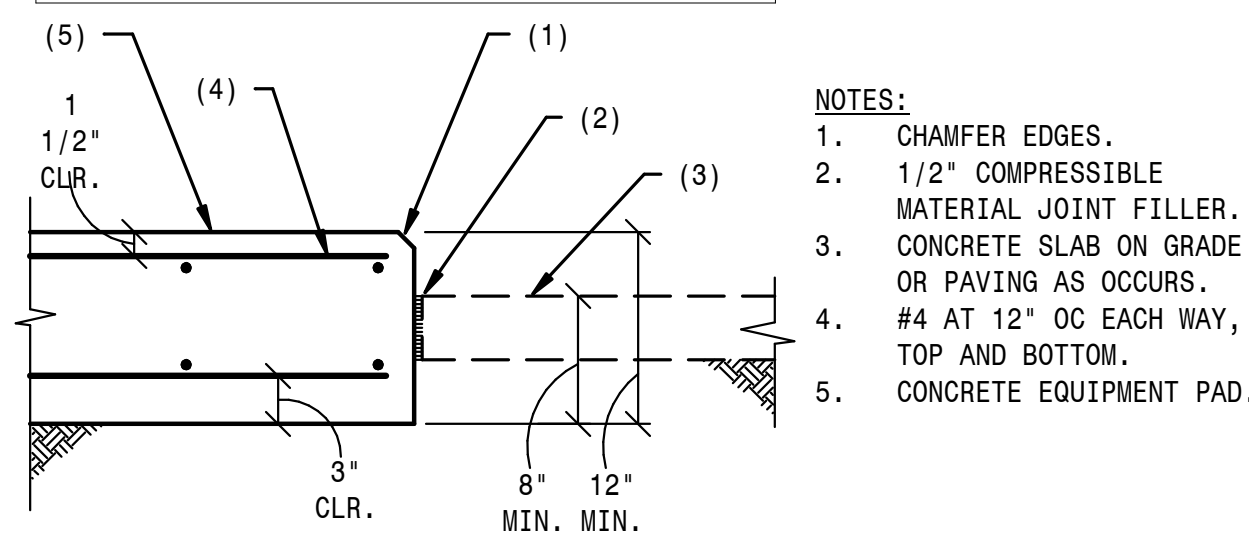
- NOTES:
1. C.I. SLEEVE 2" LARGER THAN PIPE.
  2. NO SLEEVES PERMITTED.
  3. EXCAVATION BELOW THESE LINES NOT PERMITTED.
  4. CONCRETE FILL PIPE TRENCH - EXTEND 2'-0" EACH SIDE OF SLEEVE.
  5. 3'-0" MAXIMUM STEP FOOTING IF NECESSARY IN ORDER TO MAINTAIN 3'-0" MAX HEIGHT.
  6. BACKFILL PER SPECS.
  7. 90% DENSITY (ASTM D-698).

NOTE: PIPES LOCATED GREATER THAN 3'-0" BELOW FOOTING BASE MAY BE BACKFILLED WITH COMPACTED FILL PER SPECIFICATIONS

NOTE: NO PIPE SHALL PASS THROUGH FOOTINGS OR UNDER COLUMN FOOTINGS.

**7 PIPE THROUGH FOOTING AND TRENCH** NO SCALE

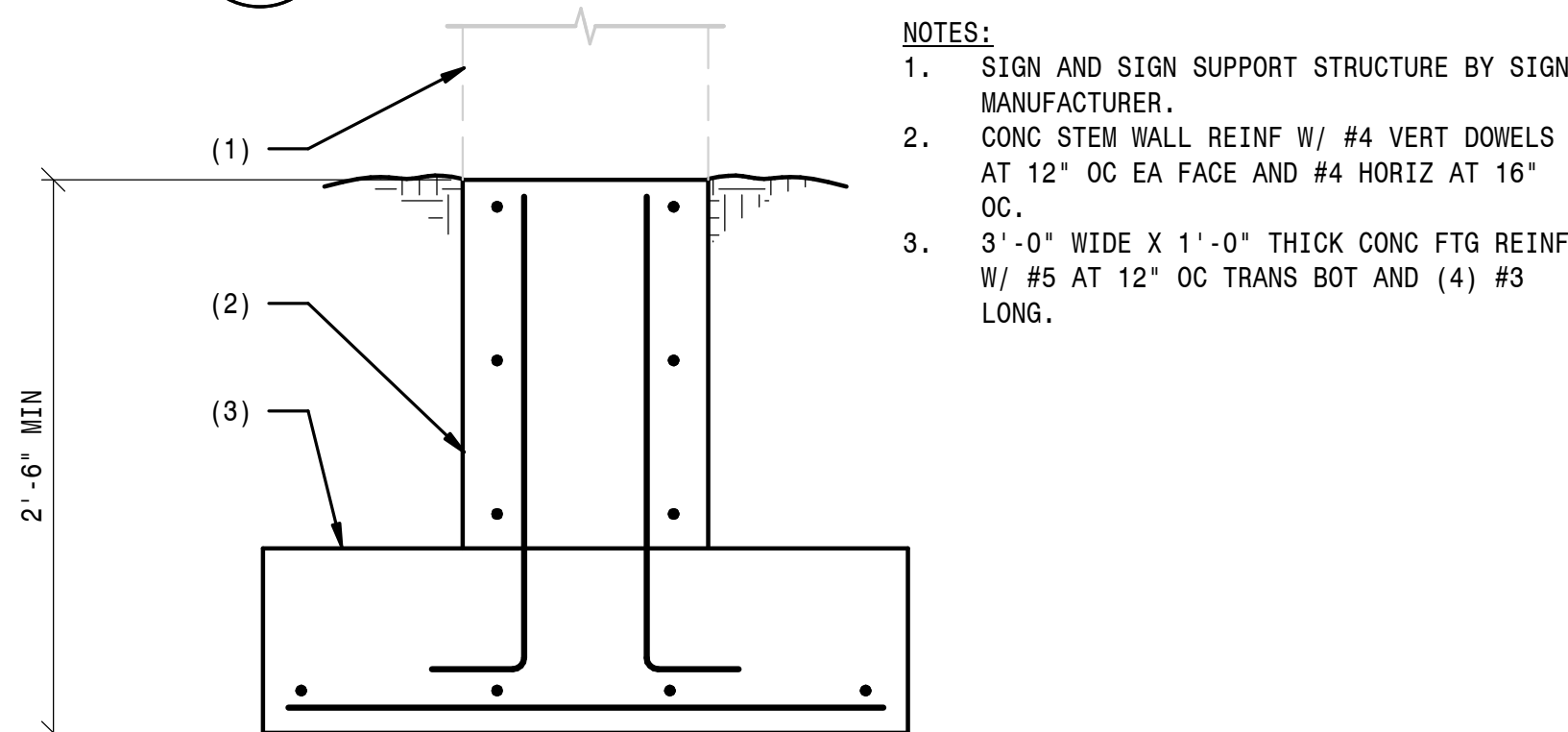
THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.



- NOTES:
1. CHAMFER EDGES.
  2. 1/2" COMPRESSIBLE MATERIAL JOINT FILLER.
  3. CONCRETE SLAB ON GRADE OR PAVING AS OCCURS.
  4. #4 AT 12" OC EACH WAY, TOP AND BOTTOM.
  5. CONCRETE EQUIPMENT PAD.

**8 CONCRETE EQUIPMENT PAD ON GRADE** NO SCALE

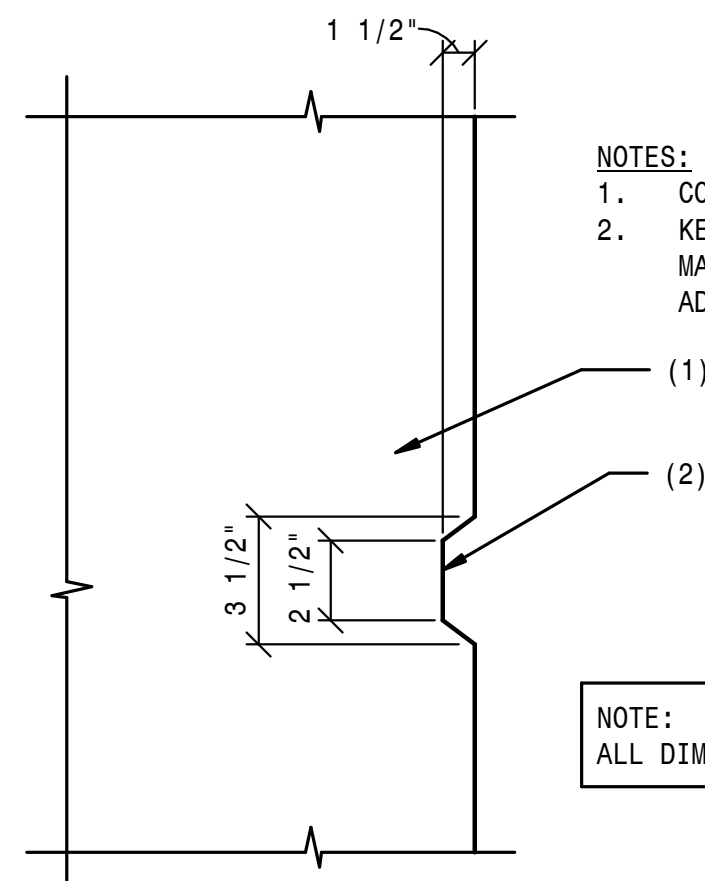
THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.



- NOTES:
1. SIGN AND SIGN SUPPORT STRUCTURE BY SIGN MANUFACTURER.
  2. CONC STEM WALL REINF W/ #4 VERT DOWELS AT 12" OC EA FACE AND #4 HORIZ AT 16" OC.
  3. 3'-0" WIDE X 1'-0" THICK CONC FTG REINF W/ #5 AT 12" OC TRANS BOT AND (4) #3 LONG.

**9 MONUMENT SIGN FOUNDATION** NO SCALE

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.

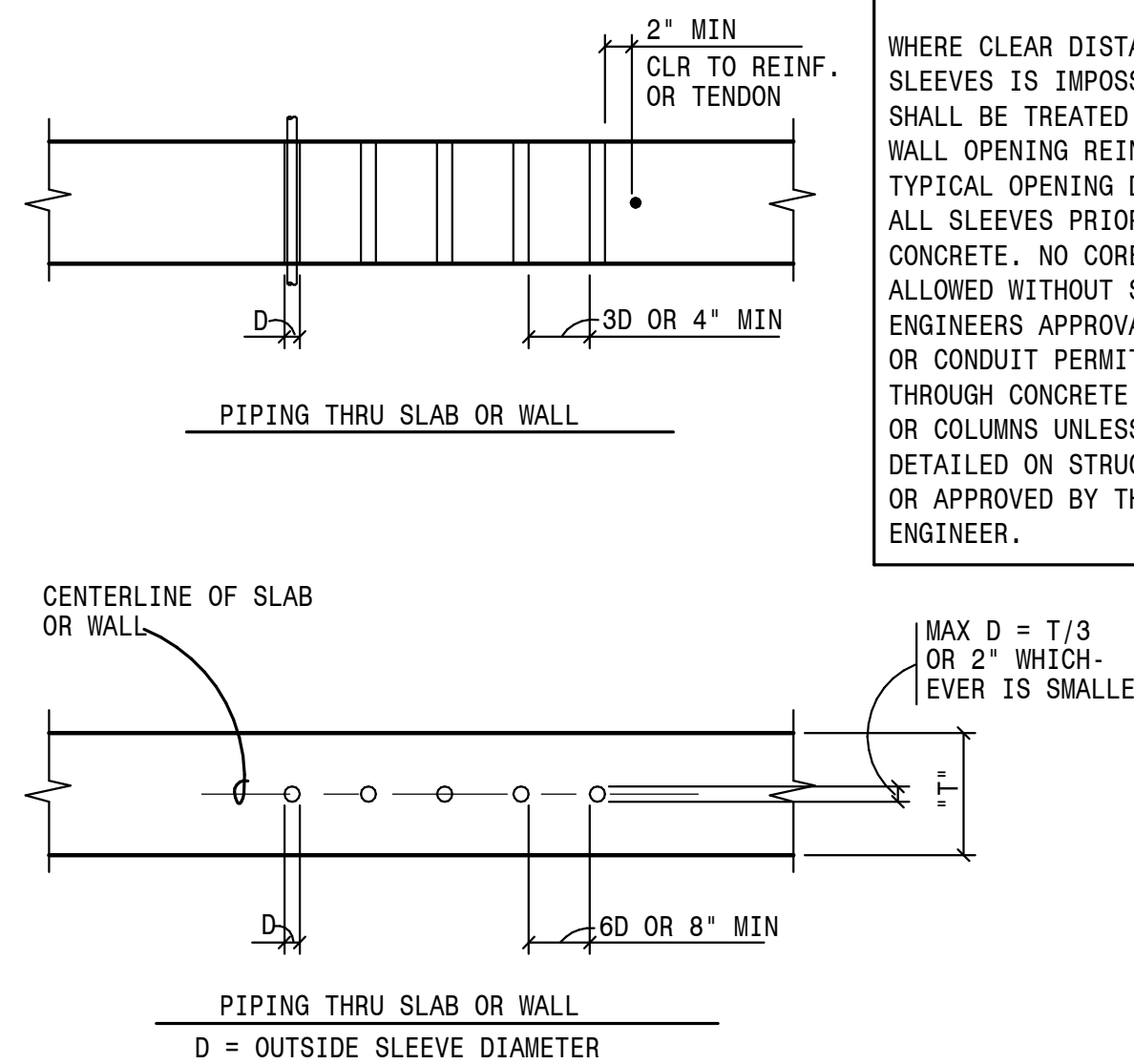


- NOTES:
1. CONCRETE.
  2. KEYED JOINT - REMOVE FROM MATERIAL PRIOR TO PLACING ADJACENT CONCRETE.

NOTE: ALL DIMENSIONS ARE ± 1/2".

**3 TYPICAL KEY IN CONCRETE** NO SCALE

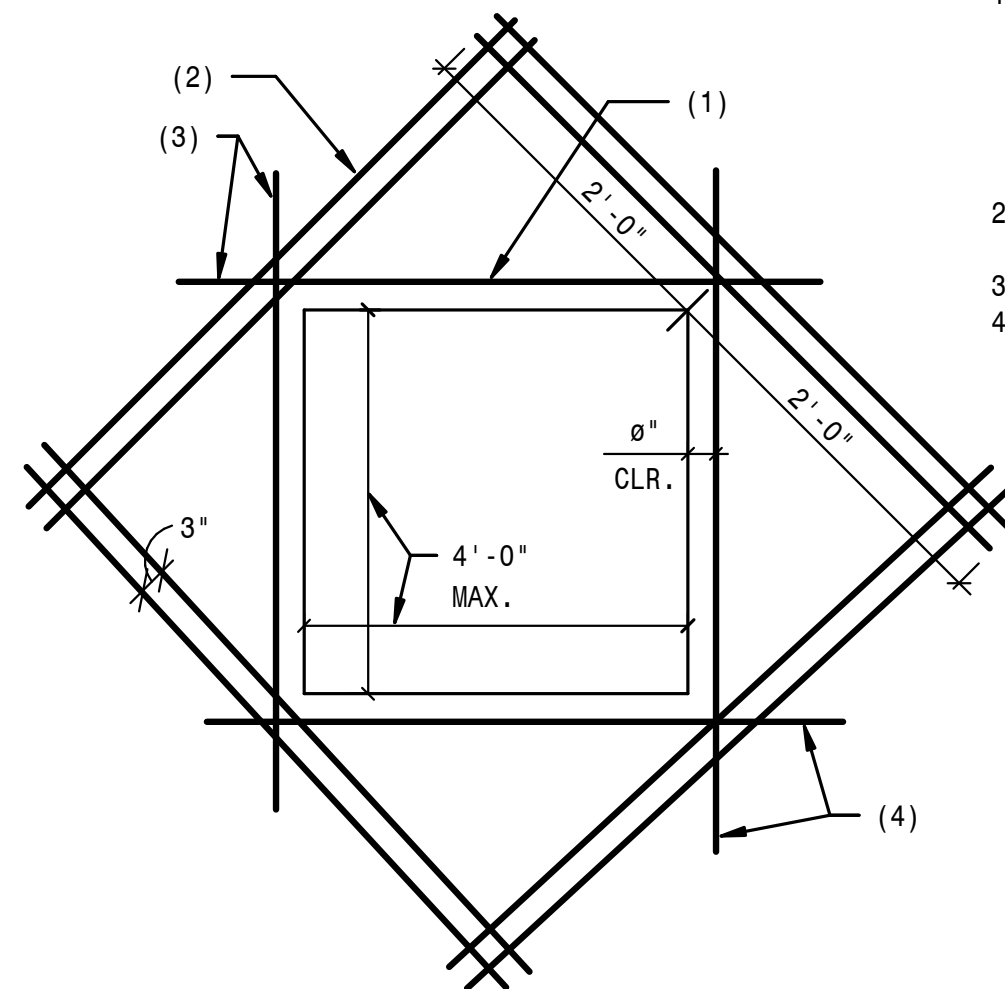
THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.



NOTE: WHERE CLEAR DISTANCE BETWEEN SLEEVES IS IMPOSSIBLE THIS AREA SHALL BE TREATED AS A SLAB OR WALL OPENING REINFORCED AS PER TYPICAL OPENING DETAILS. PRESET ALL SLEEVES PRIOR TO POURING CONCRETE. NO CORE DRILLING ALLOWED WITHOUT STRUCTURAL ENGINEERS APPROVAL. NO PIPING OR CONDUIT PERMITTED IN OR THROUGH CONCRETE BEAMS, JOISTS OR COLUMNS UNLESS SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.

**4 PIPING AND CONDUIT IN OR THRU SLAB OR WALL** NO SCALE

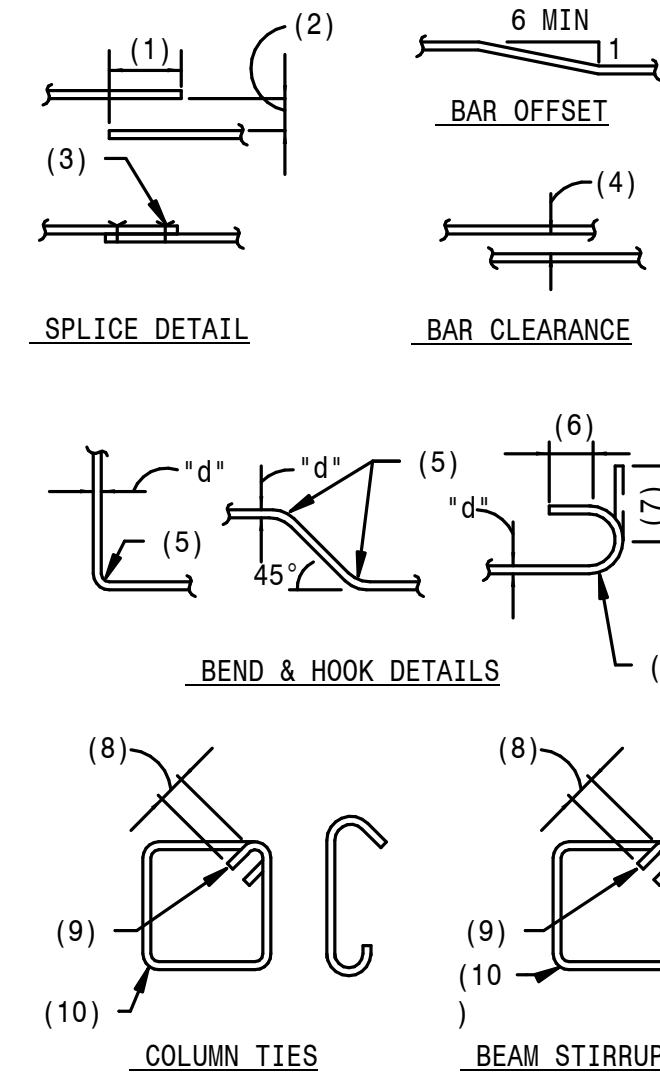
THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.



NOTE: PROVIDE EXTRA BARS (NOT SHOWN) PARALLEL TO SIDES OF OPENINGS, EQUAL TO AREAS OF INTERRUPTED SLAB BARS. EXTEND FULL LENGTH OF SPAN OR OF TOP BARS AS APPLICABLE. THIS DETAIL IS TYPICAL AT OPENINGS UP TO 4'-0" MAX DIMENSIONS EXCEPT AS SHOWN OTHERWISE.

**5 TYPICAL OPENING IN CONCRETE SLAB** NO SCALE

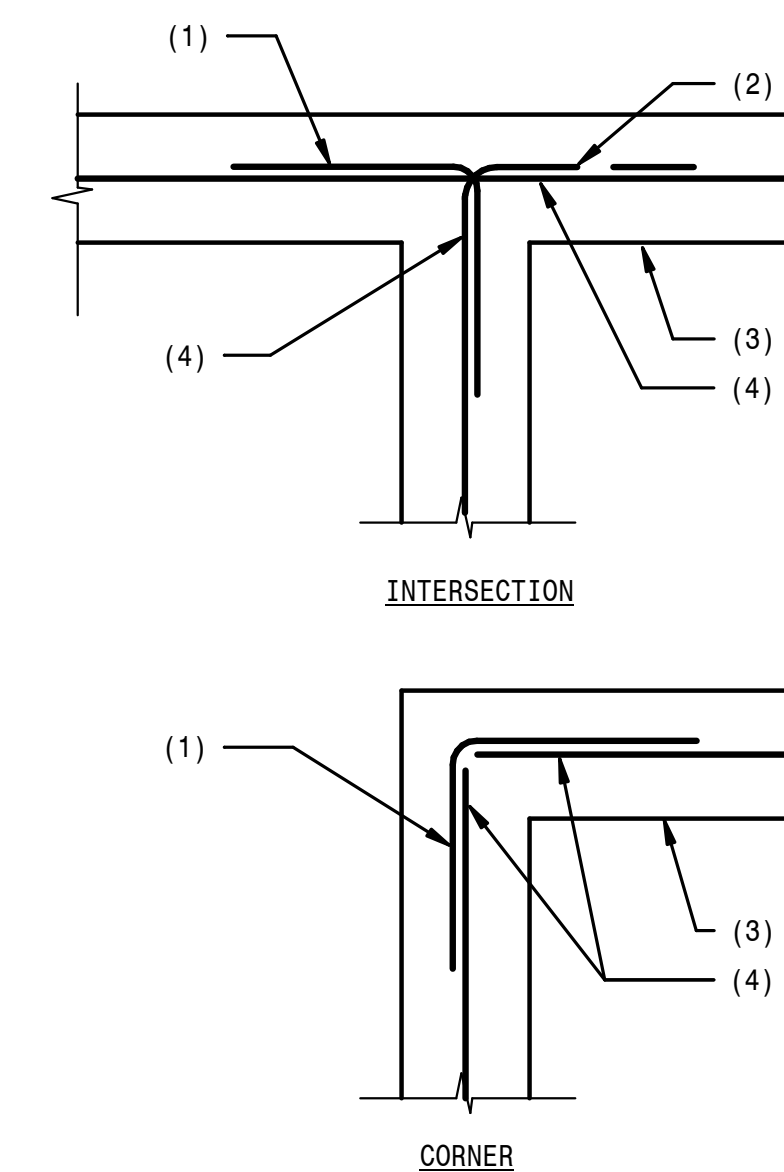
THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.



- NOTES:
1. LAP - SEE SCHEDULE.
  2. MAXIMUM 1/5 LAP BUT NOT MORE THAN 6".
  3. WIRE TIES.
  4. 1d (1" MINIMUM).
  5. RADIUS=3d FOR BARS NOT OVER #8; 4d FOR #9, #10 AND #11 BARS; 5d FOR #14 AND #18 BARS. 5d FOR ALL GRADE 40 BARS WITH 180 DEGREE HOOK.
  6. 4d (4" MINIMUM).
  7. 12d (90 DEGREE HOOK).
  8. 6d (4" MINIMUM).
  9. 135 DEGREE BEND
  10. BEND AROUND 1 1/2" PIN FOR #3 BARS. BEND AROUND 2" PIN FOR #4 BARS. BEND AROUND 2 1/2" PIN FOR #5 BARS.

**1 TYPICAL CONCRETE REINFORCING BAR DETAILS** NO SCALE

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.



- NOTES:
1. CORNER BARS SAME SIZE, QUANTITY AND SPACING AS HORIZONTAL REINFORCING. LAP PER GSN. (24" MINIMUM).
  2. ALT BEND.
  3. CONCRETE STEM WALL OR FOOTING.
  4. REINFORCING PER PLANS AND /OR GSN.

**2 PLAN - CORNER REINFORCING IN CONCRETE FOOTING AND / OR STEM WALL** NO SCALE

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.

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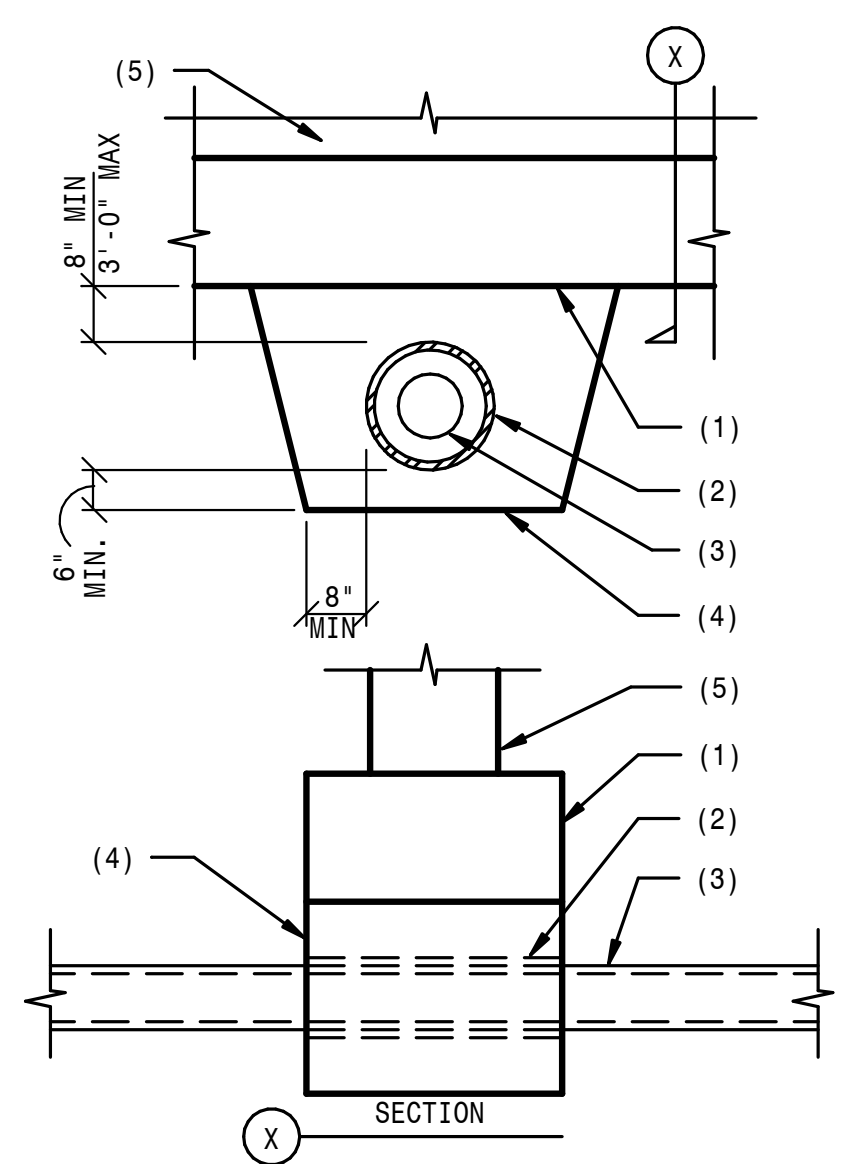
NO.	DATE	REVISION DESCRIPTION	BY



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- NOTES:
1. CONCRETE FOOTING.
  2. SLEEVE - RE: MECH'L DWG'S.
  3. PIPE OR CONDUIT.
  4. LEAN CONC. FILL TO BE PLACED BEFORE FOOTING IS POURED - FORM SAME AS FOOTING AND POUR FULL WIDTH OF PIPE TRENCH.
  5. WALL.

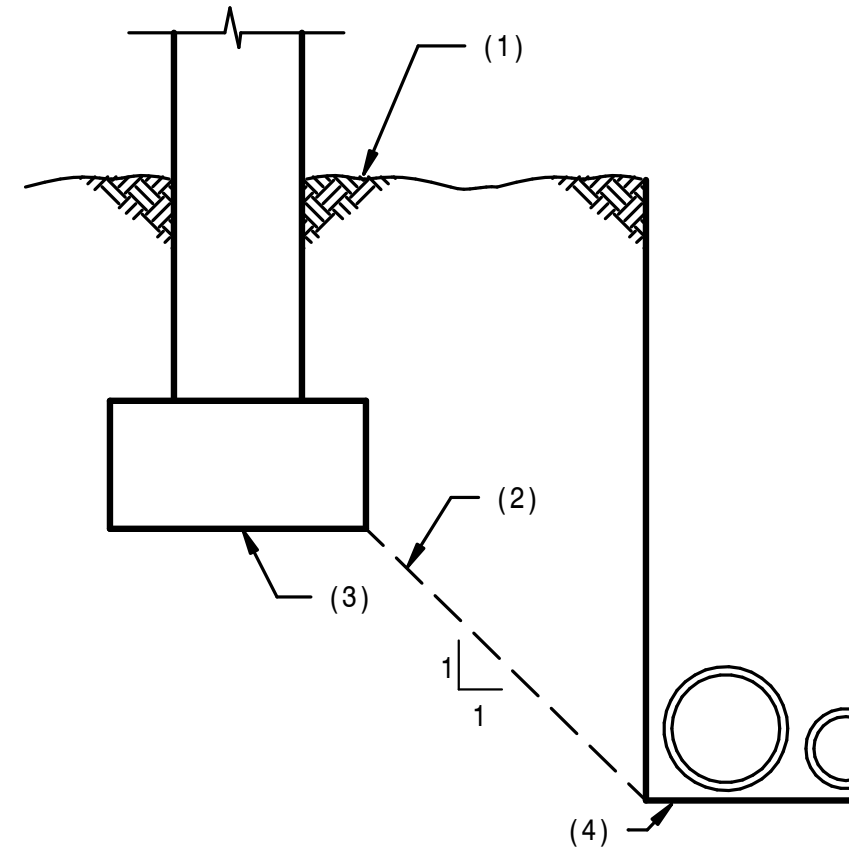


1 PIPE PASSING UNDER WALL FOOTING IN SHALLOW TRENCH  
 NO SCALE

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.

- NOTES:
1. FINISHED GRADE WHERE OCCURS.
  2. DO NOT EXCAVATE A TRENCH CLOSER THAN A 45 DEGREE ANGLE BELOW BOTTOM OF FOOTING OR FOUNDATION.
  3. BOTTOM OF CONCRETE FOOTING.
  4. BOTTOM OF TRENCH.

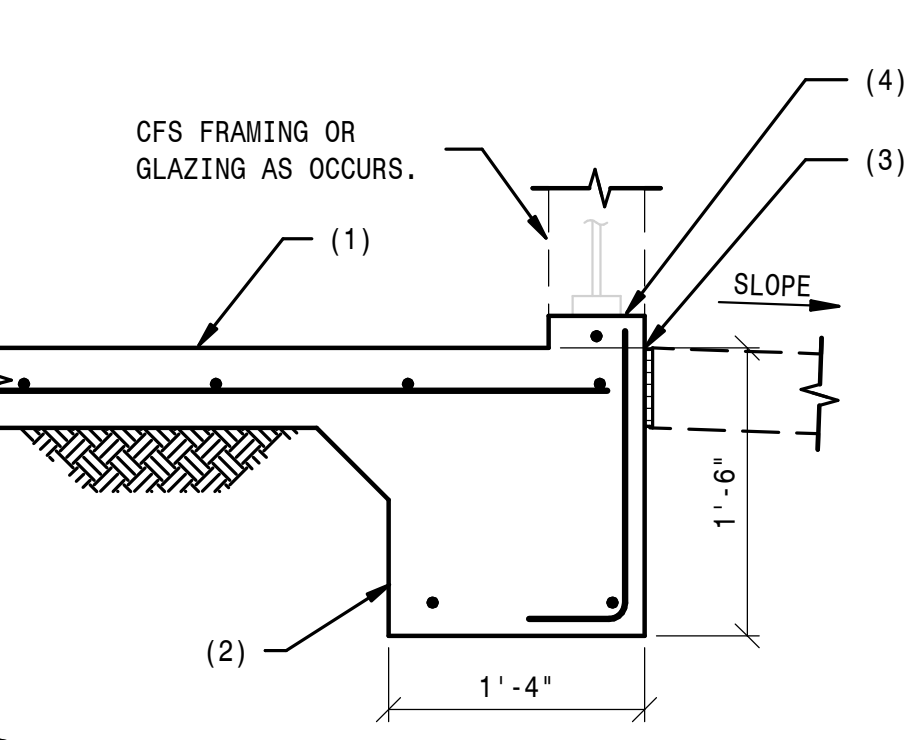
NOTE: FOR ADDITIONAL INFORMATION, SEE PLANS AND DETAILS.



2 TRENCH PARALLEL TO FOUNDATION  
 NO SCALE

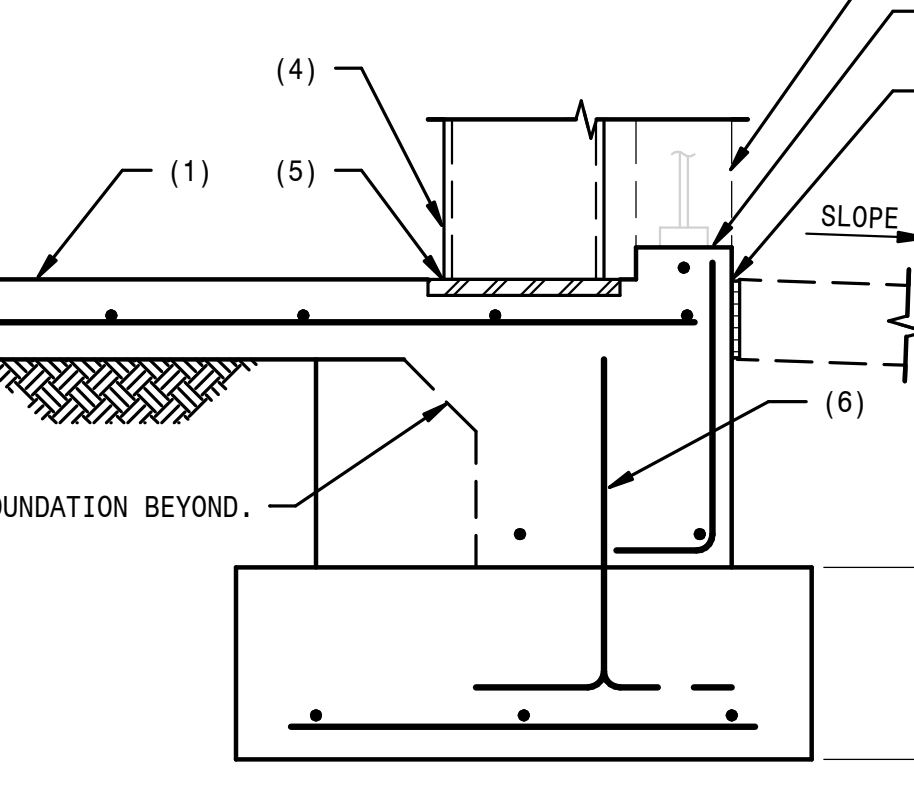
THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.

- NOTES:
1. SLAB ON GRADE PER PLAN.
  2. FOOTING PER PLAN.
  3. 1/2" EXP JOINT MATERIAL.
  4. 2" TALLXCONT CONC CURB REINF W/ (1) #4XCONT AND #4X12" DOWELS AT 16" OC.



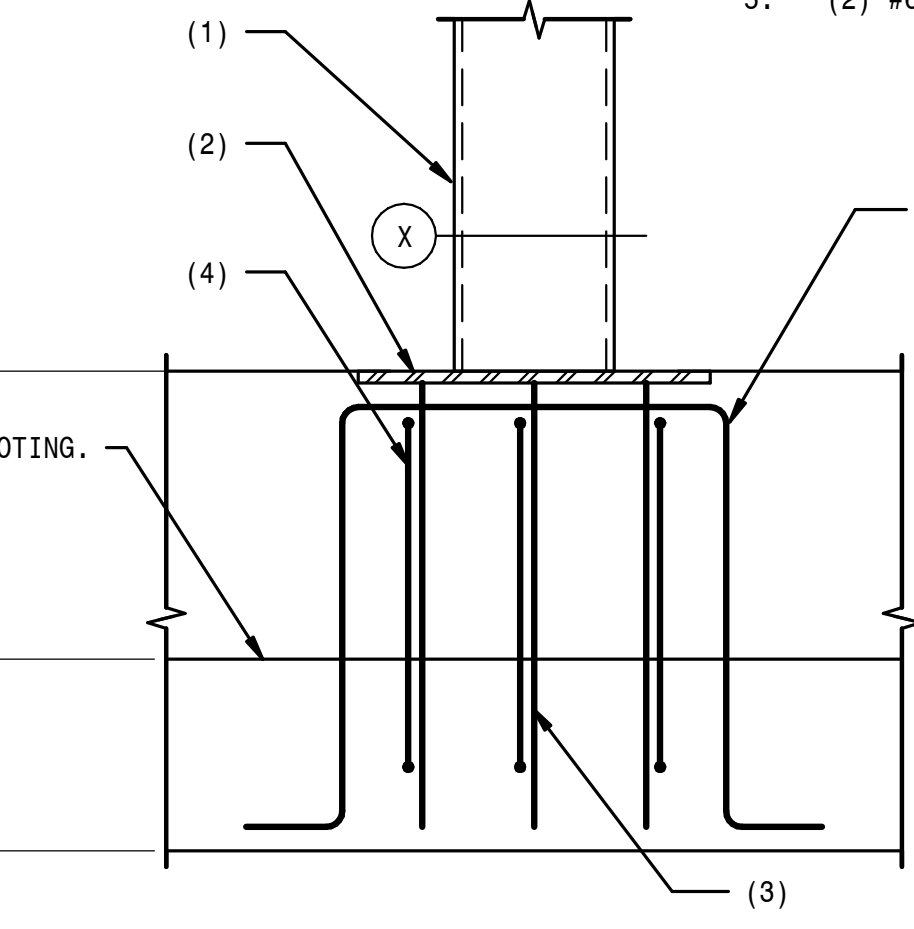
3 TYPICAL THICKENED SLAB EDGE  
 NO SCALE

- NOTES:
1. SLAB ON GRADE PER PLAN.
  2. FOOTING PER PLAN.
  3. 1/2" EXP JOINT MATERIAL.
  4. COL PER PLAN.
  5. RE: 5/S301 FOR EMBED PL CONNECTION AT FOUNDATION.
  6. (3) #4 DOWELS - ALT BENDS.
  7. 2" TALLXCONT CONC CURB REINF W/ (1) #4XCONT AND #4X12" DOWELS AT 16" OC.

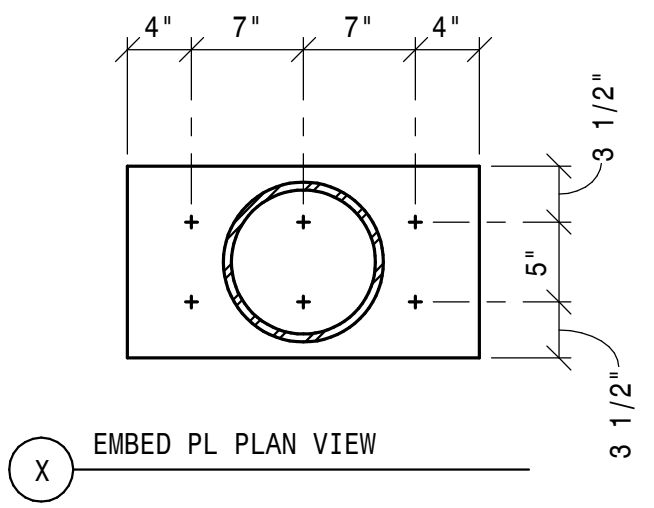


4 FOUNDATION AT COLUMNS  
 NO SCALE

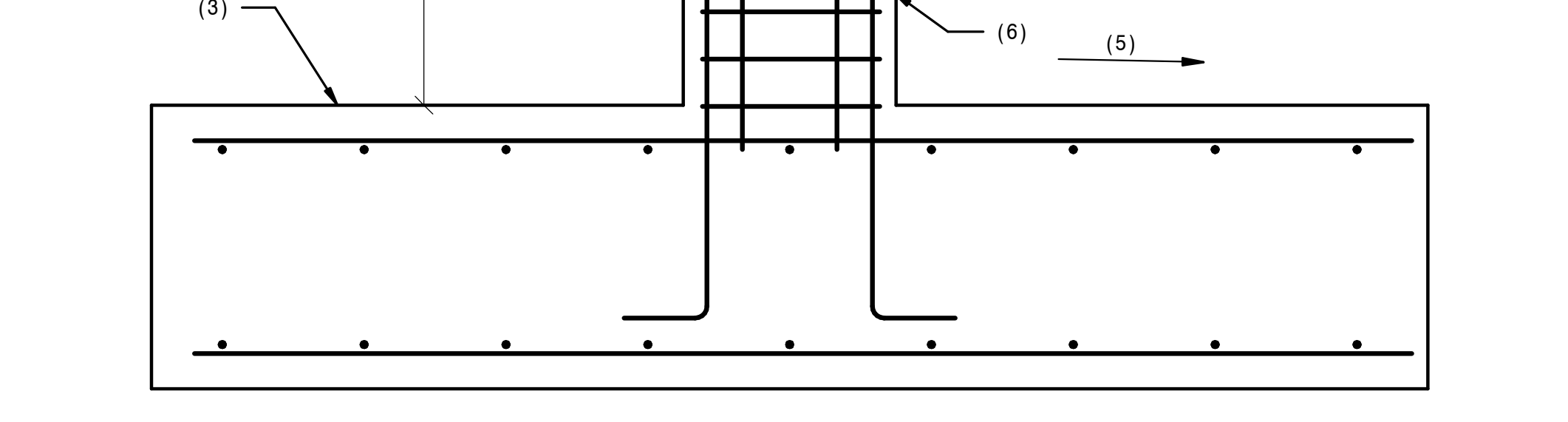
- NOTES:
1. COL PER PLAN.
  2. BASE PL1.
  3. (6) #7 BARS A706.
  4. (3) #5 TIES
  5. (2) #6 TIES



5 BUILDING COLUMN EMBED BASE PLATE  
 NO SCALE

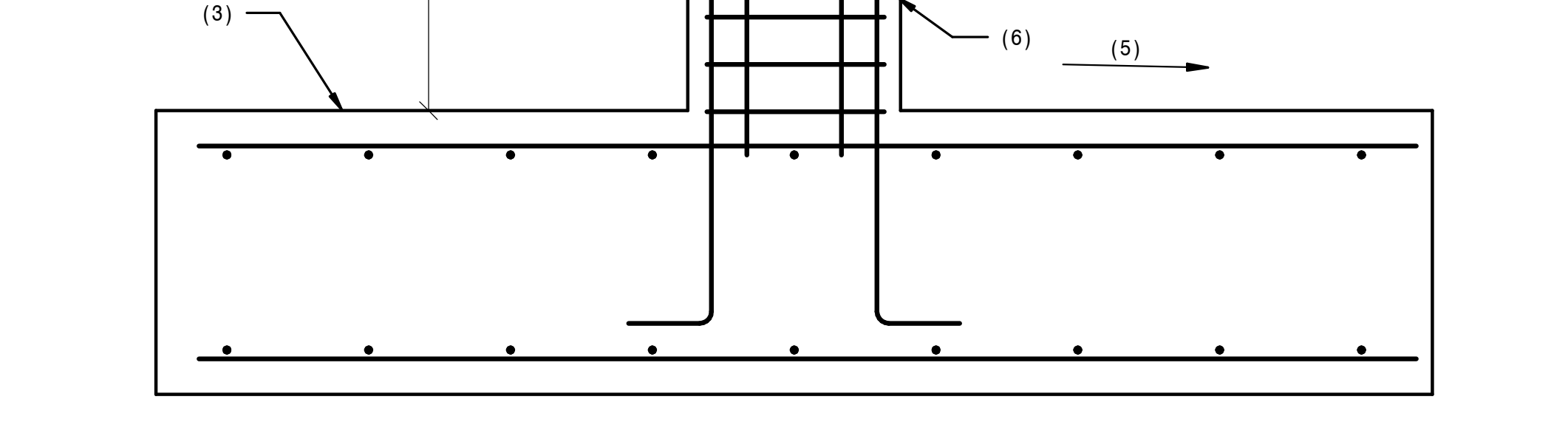


- NOTES:
1. CANOPY COLUMN BY MANUFACTURER - TYP.
  2. RE: CIVIL FOR PAVING/GRADE.
  3. 9'-0"X9'-0"X2'-0" FTG W/ #7 AT 12" OC EW T&B.
  4. EMBED PL3/4X(COL DIAMETER + 3") HDG W/ (4) #6 ASTM A706X1'-9" - TYP EA COL.
  5. SLOPE TOP OF FOOTING 1/4" PER FOOT FOR PORTIONS WITHIN RAIN GARDEN.
  6. 18"X18" PILASTER REINF W/ (4) #6 DOWELS VERT AND #4 CLOSED TIES AT 4" OC FULL HEIGHT.



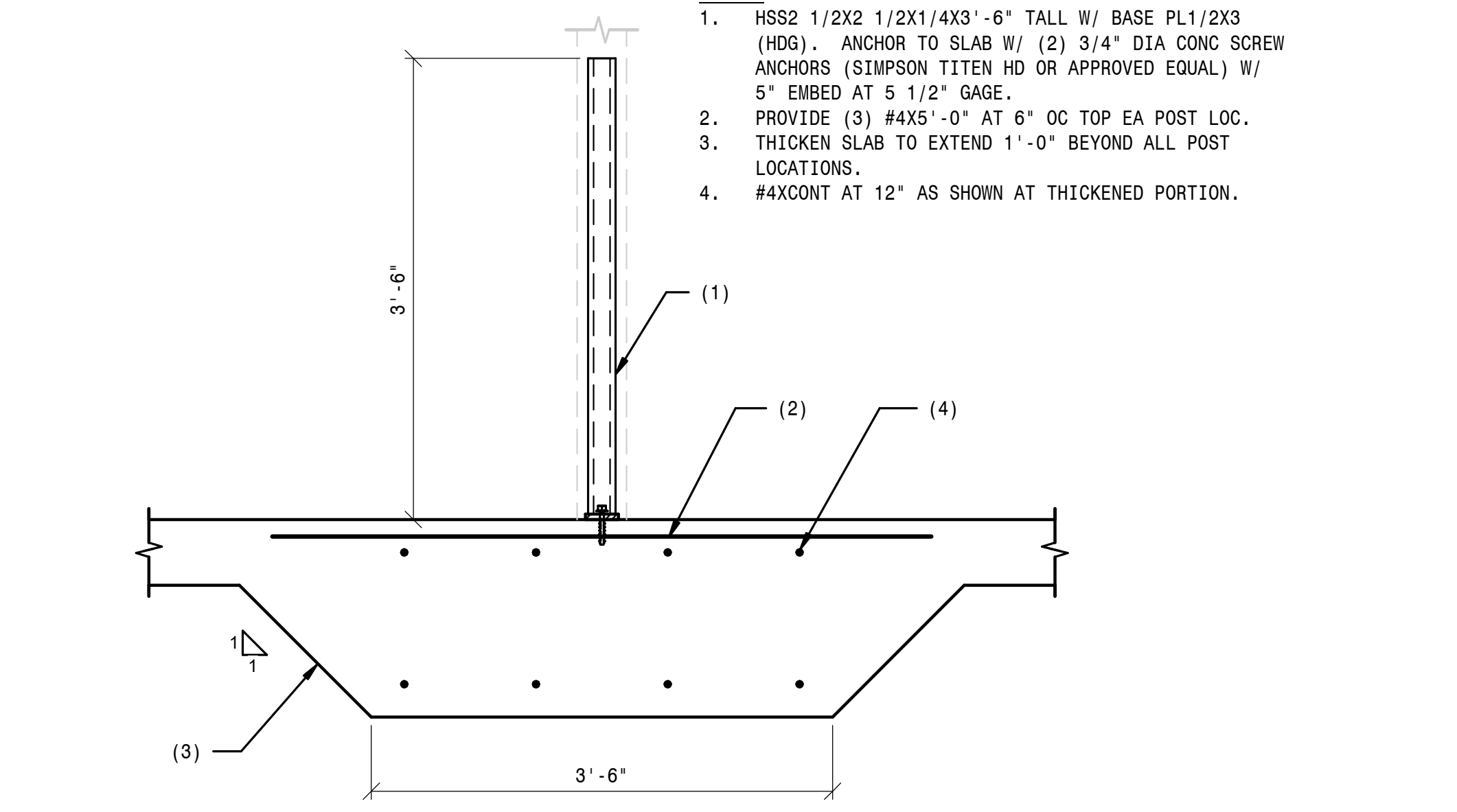
6 TYPICAL CANOPY COLUMN ALONG GRID A AND E  
 NO SCALE

- NOTES:
1. CANOPY COLUMN BY MANUFACTURER - TYP.
  2. RE: CIVIL FOR PAVING/GRADE.
  3. 9'-0"X9'-0"X2'-0" FTG W/ #7 AT 12" OC EW T&B.
  4. EMBED PL3/4X(COL DIAMETER + 3") HDG W/ (4) #6 ASTM A706X1'-9" - TYP EA COL.
  5. SLOPE TOP OF FOOTING 1/4" PER FOOT FOR PORTIONS WITHIN RAIN GARDEN.
  6. 18"X18" PILASTER REINF W/ (4) #6 DOWELS VERT AND #4 CLOSED TIES AT 4" OC FULL HEIGHT.



7 TYPICAL CANOPY COLUMN ALONG GRID BA AND BB  
 NO SCALE

- NOTES:
1. HSS2 1/2X2 1/2X1/4X3'-6" TALL W/ BASE PL1/2X3 (HDG). ANCHOR TO SLAB W/ (2) 3/4" DIA CONC SCREW ANCHORS (SIMPSON TITEN HD OR APPROVED EQUAL) W/ 5" EMBED AT 5 1/2" GAGE.
  2. PROVIDE (3) #4X5'-0" AT 6" OC TOP EA POST LOC.
  3. THICKEN SLAB TO EXTEND 1'-0" BEYOND ALL POST LOCATIONS.
  4. #4XCONT AT 12" AS SHOWN AT THICKENED PORTION.



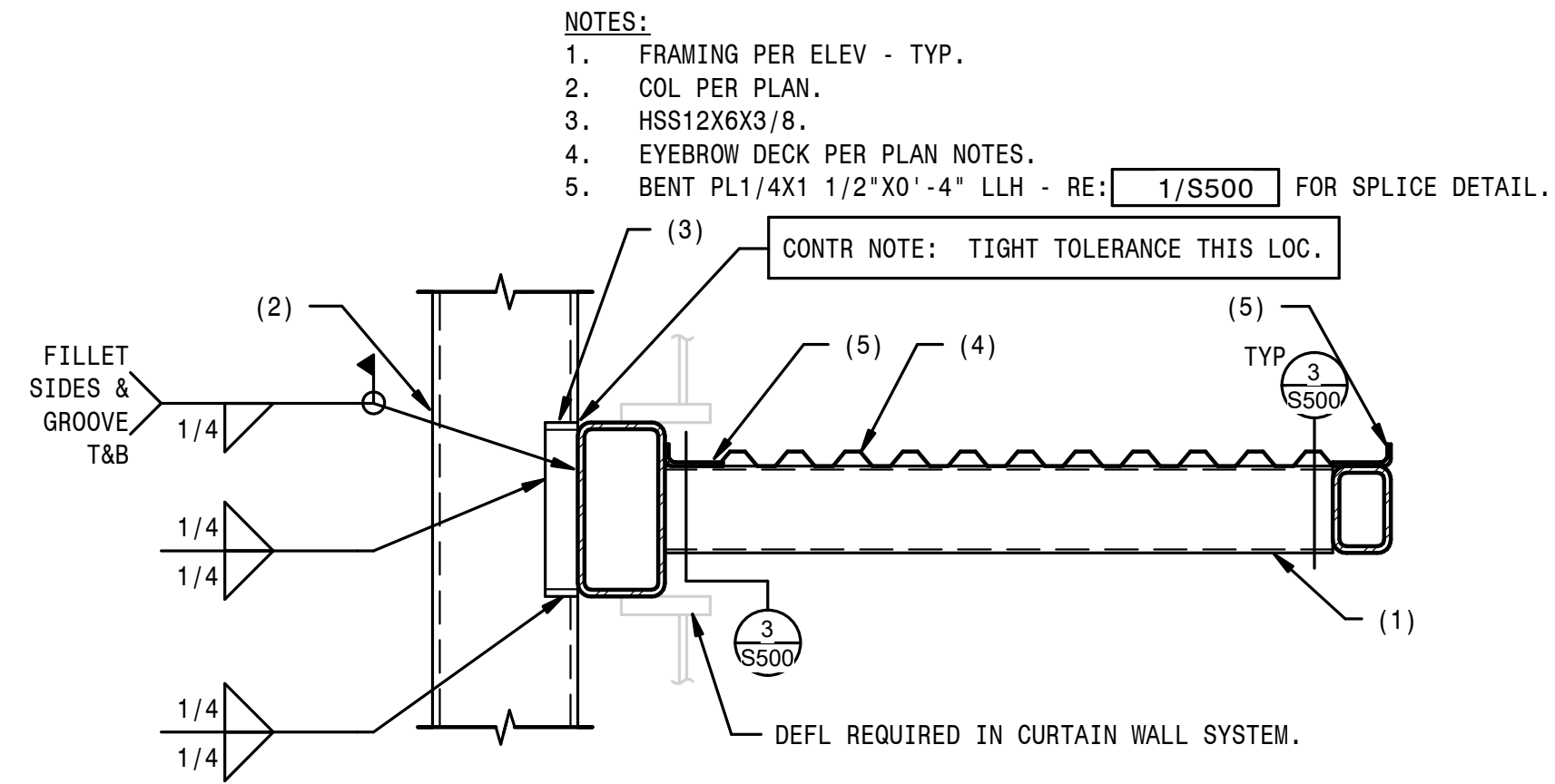
8 TYPICAL WINDSCREEN  
 NO SCALE



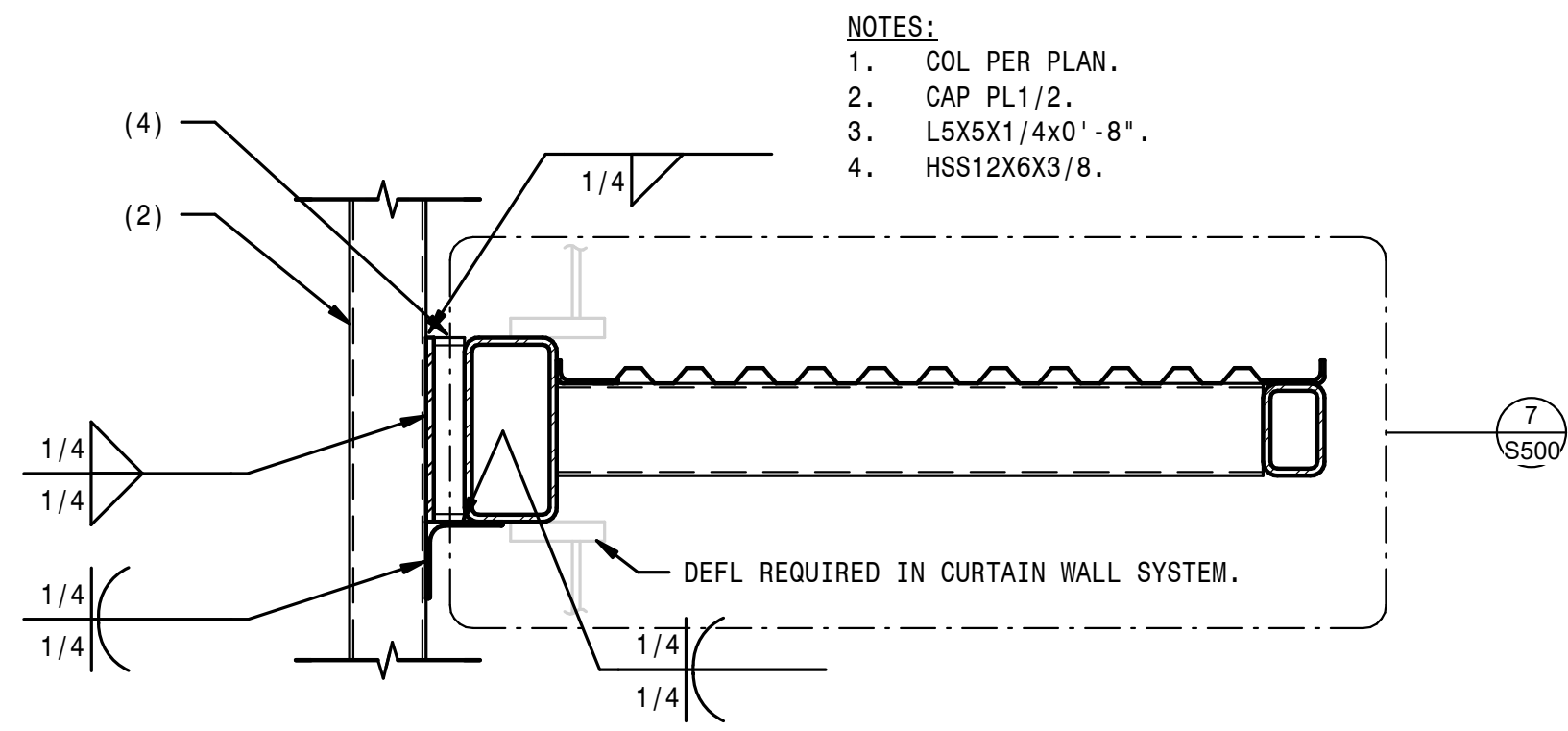
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5/23/23

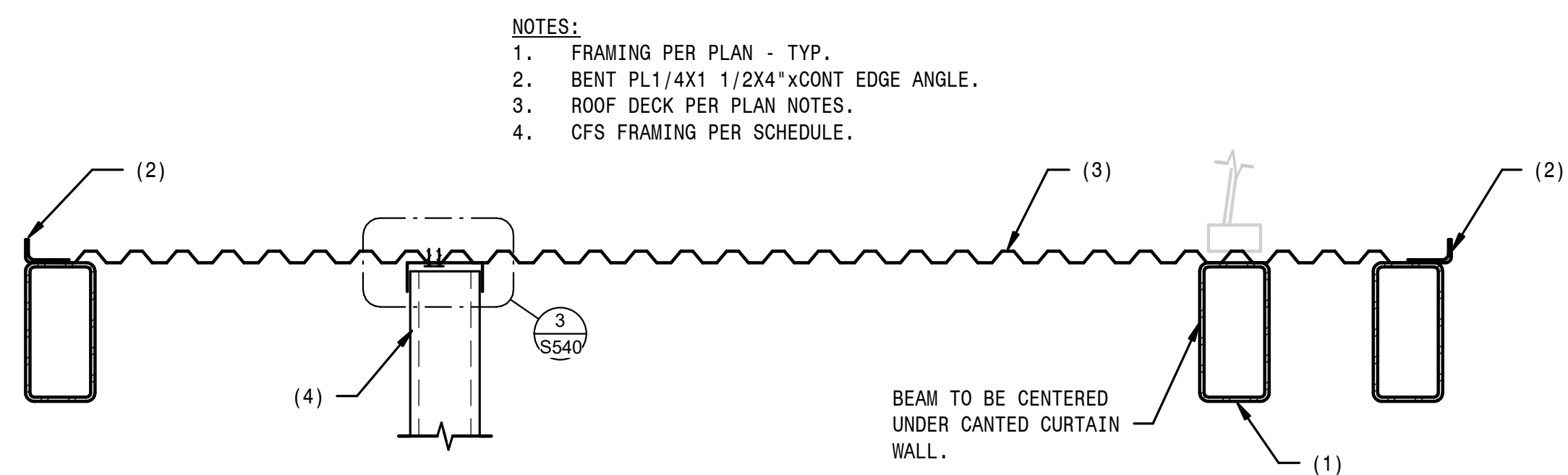




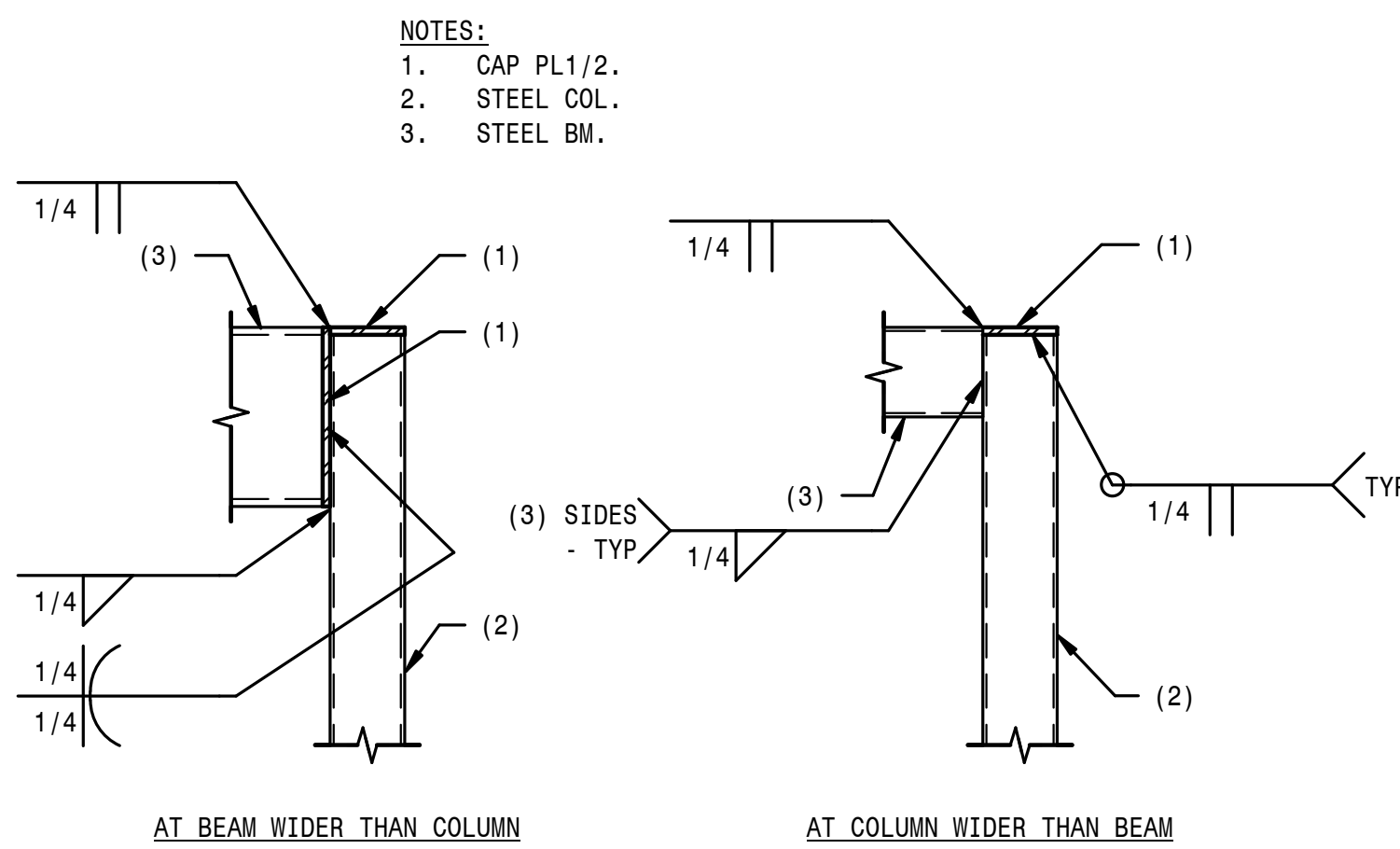
**7 EYEBROW FRAMING AT HSS ROUND COL**  
NO SCALE



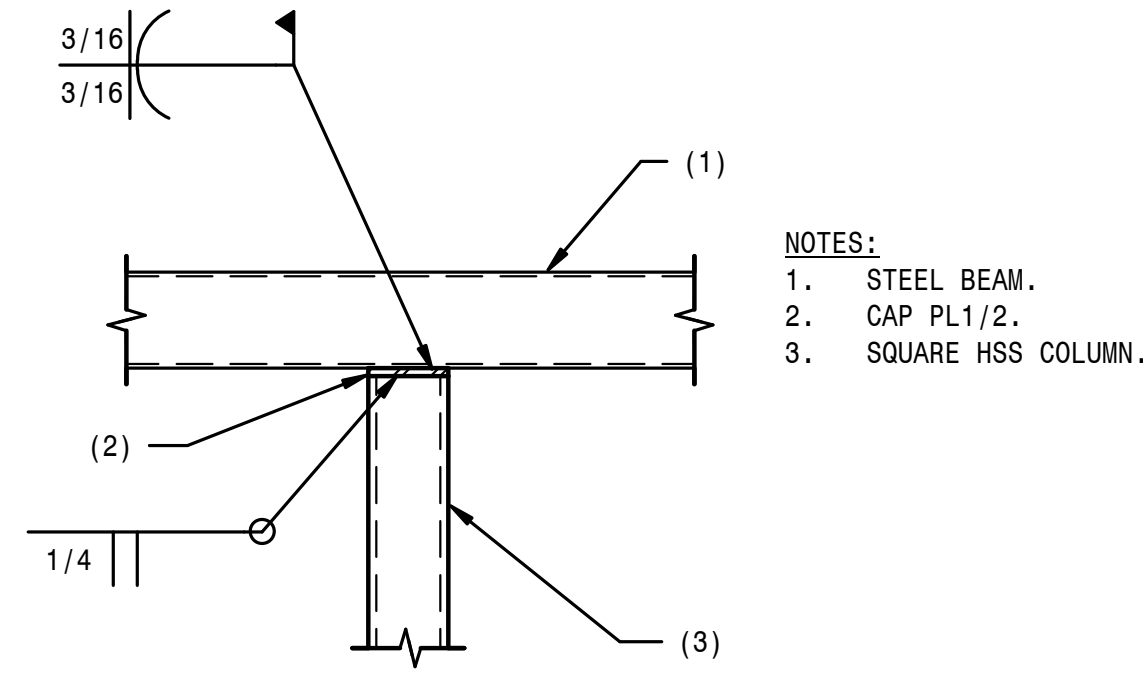
**8 EYEBROW FRAMING AT HSS SQUARE COLUMN**  
NO SCALE



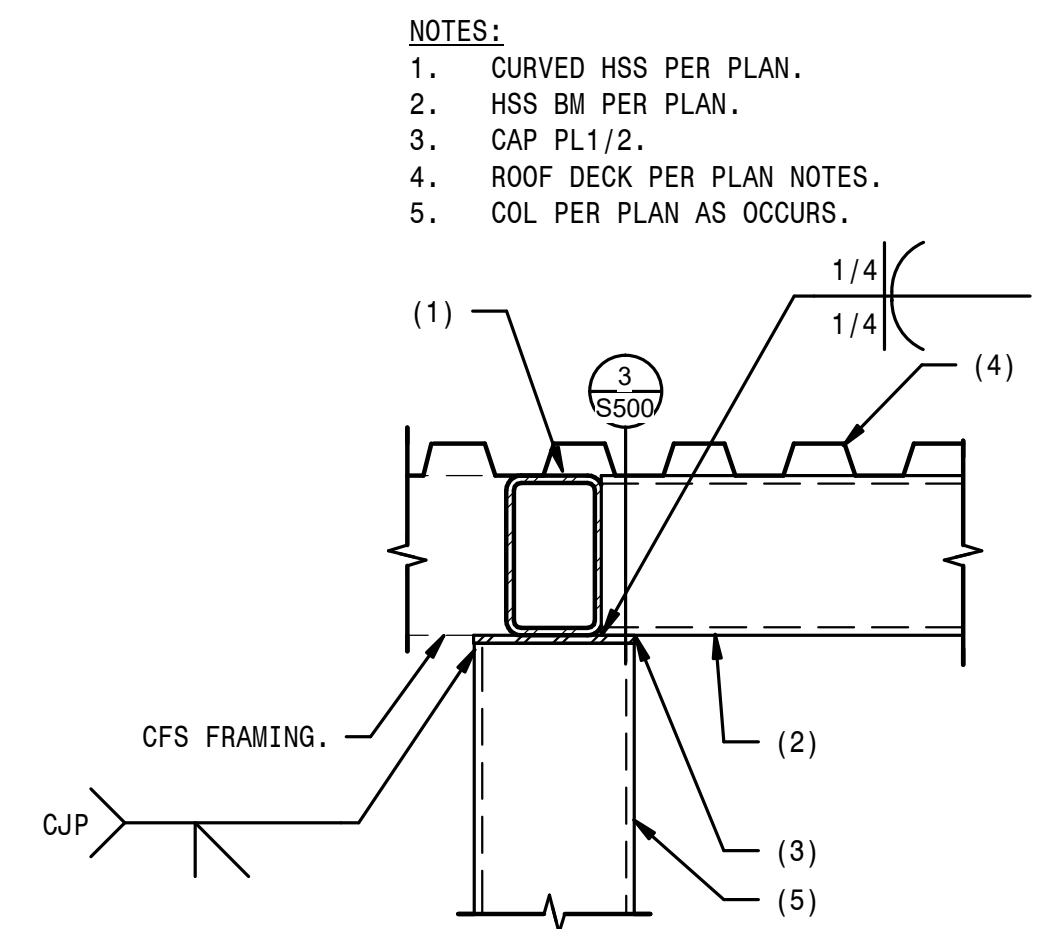
**9 VENDING ROOF**  
NO SCALE



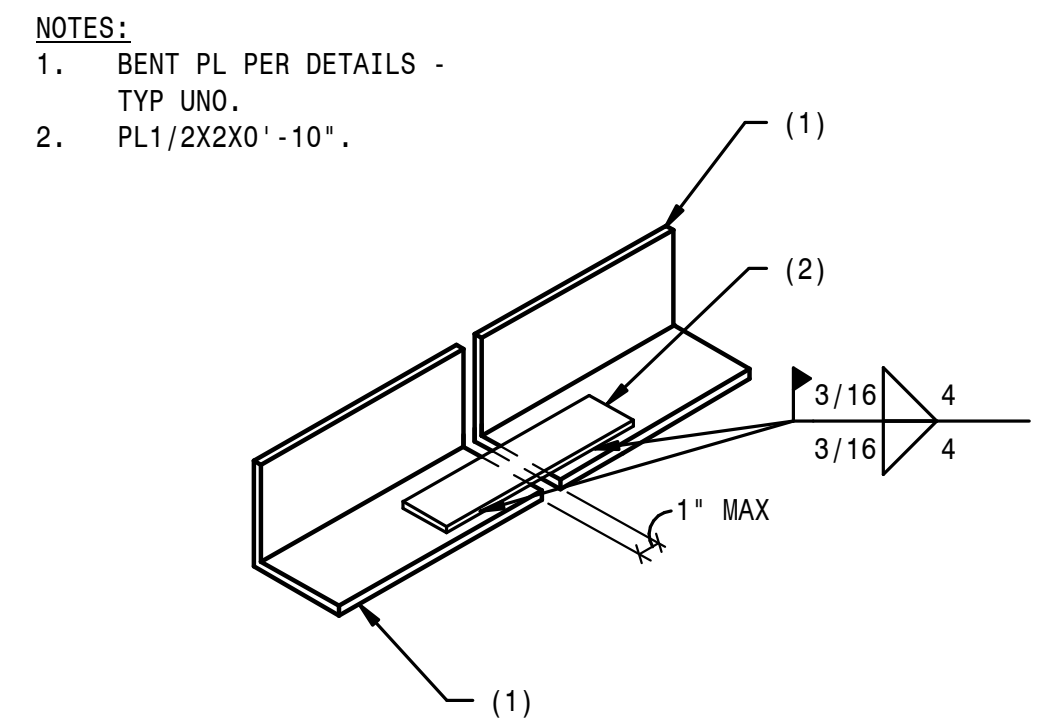
**4 STEEL BEAM TO STEEL COLUMN CONNECTION**  
THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE



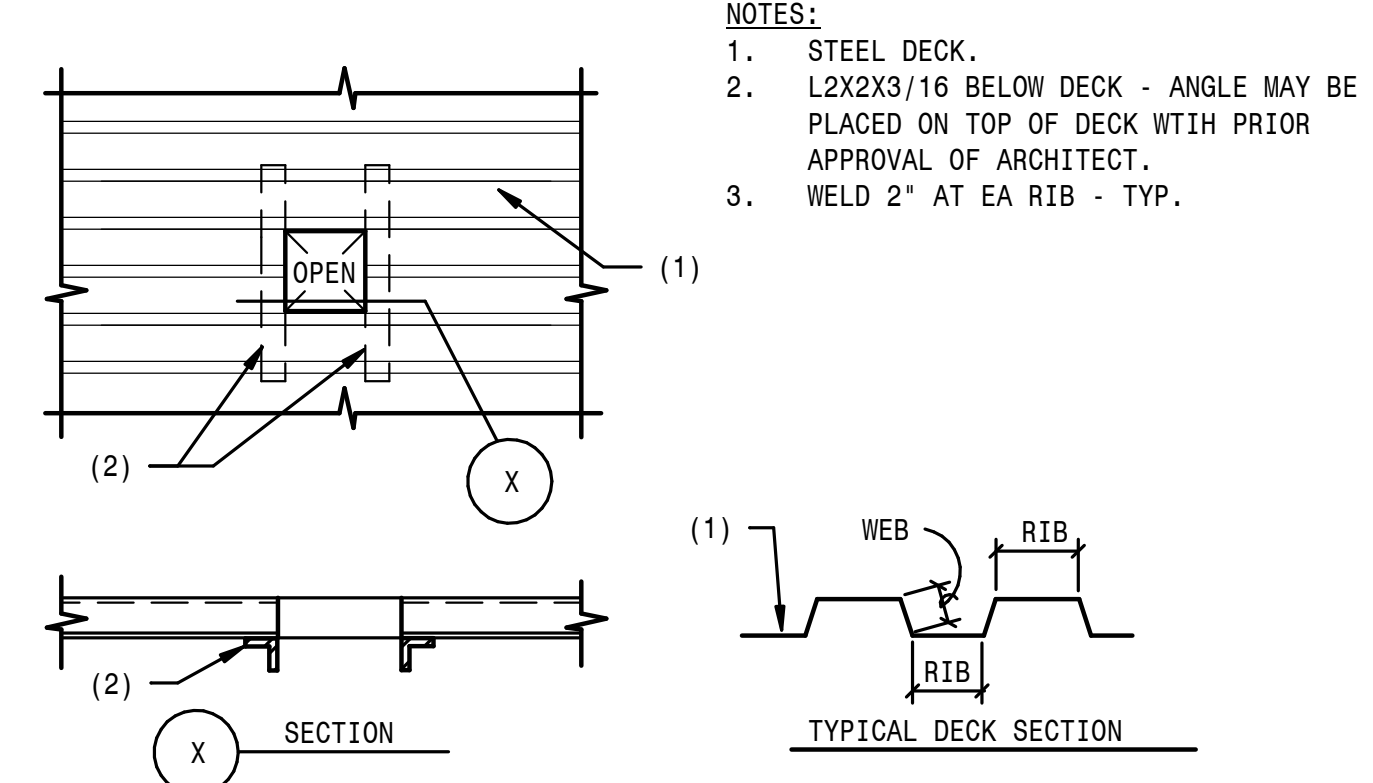
**5 HSS BEAM TO HSS CANOPY COLUMN CONNECTION**  
NO SCALE



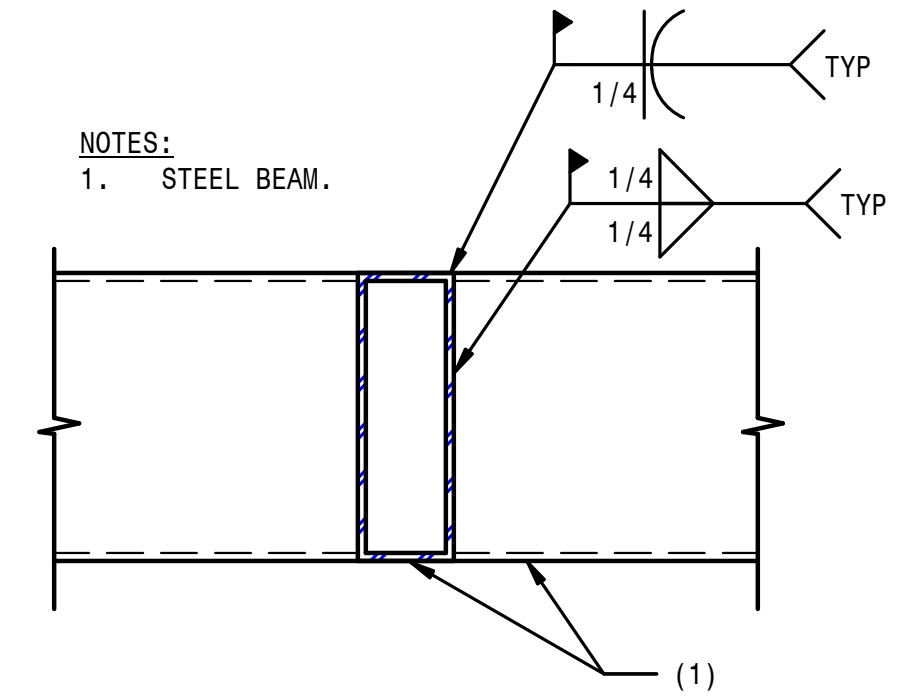
**6 BEAM TO HSS ROUND COLUMN CONNECTION**  
NO SCALE



**1 CONTINUOUS CHORD ANGLE SPLICE**  
THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE



**2 TYPICAL SMALL OPENING IN STEEL DECK**  
THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE



**3 TUBE STEEL BEAM TO STEEL BEAM CONNECTION**  
THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE

Sheet No:	S500
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	RH
CHECKED	RL
DATE	03/01/2022
SHEET	S500
NO.	
DATE	
REVISION DESCRIPTION	
BY	

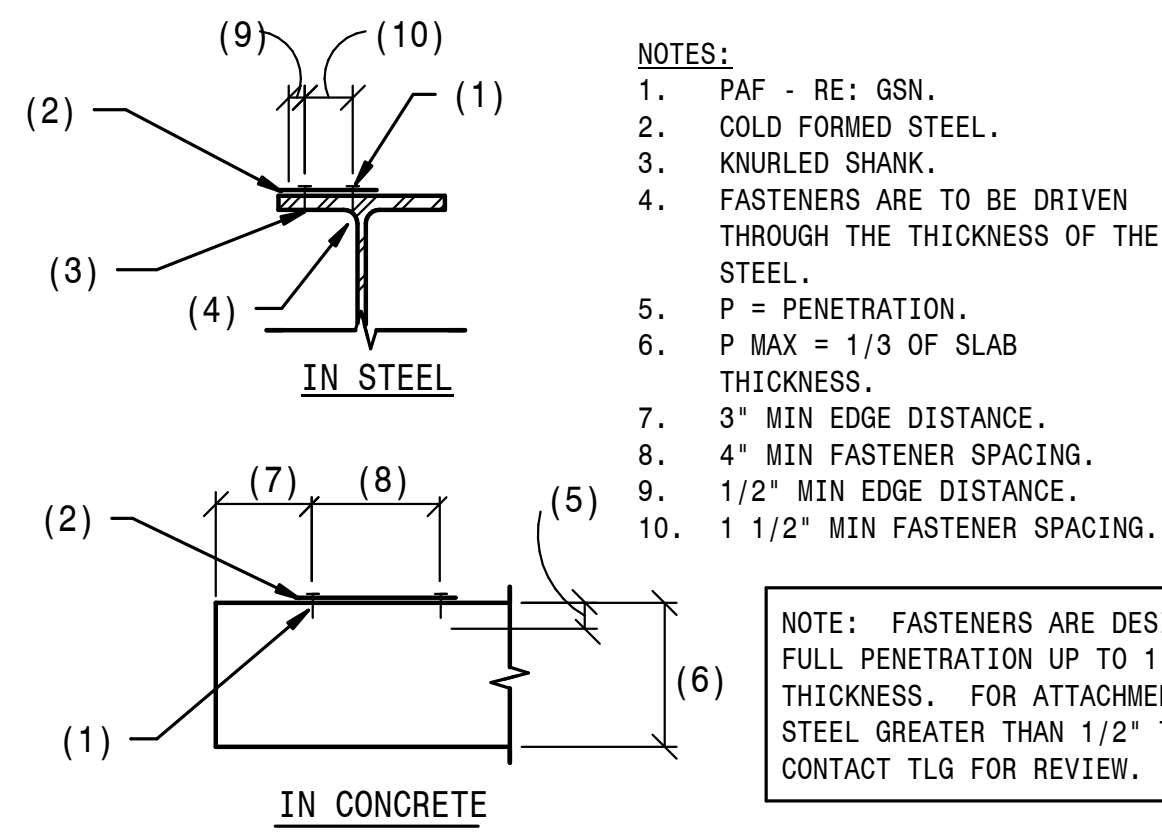


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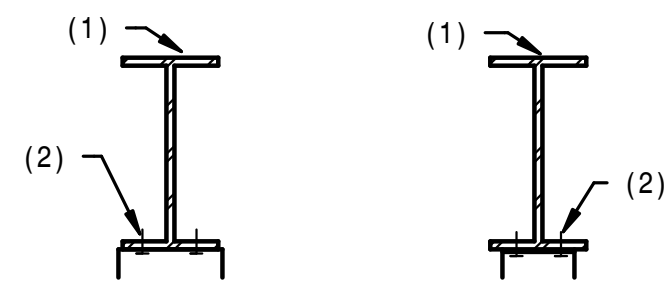
- NOTES:**
1. PAF - RE: GSN.
  2. COLD FORMED STEEL.
  3. KNURLED SHANK.
  4. FASTENERS ARE TO BE DRIVEN THROUGH THE THICKNESS OF THE STEEL.
  5. P = PENETRATION.
  6. P MAX = 1/3 OF SLAB THICKNESS.
  7. 3" MIN EDGE DISTANCE.
  8. 4" MIN FASTENER SPACING.
  9. 1/2" MIN EDGE DISTANCE.
  10. 1 1/2" MIN FASTENER SPACING.

NOTE: FASTENERS ARE DESIGNED FOR FULL PENETRATION UP TO 1/2" STEEL THICKNESS. FOR ATTACHMENT TO STEEL GREATER THAN 1/2" THICK CONTACT TLG FOR REVIEW.

**6 TYPICAL PAF SPACING**

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE

- NOTES:**
1. STEEL BEAM, JOIST, DECK OR MISC STEEL.
  2. PAF AT 16" OC STAGGERED.

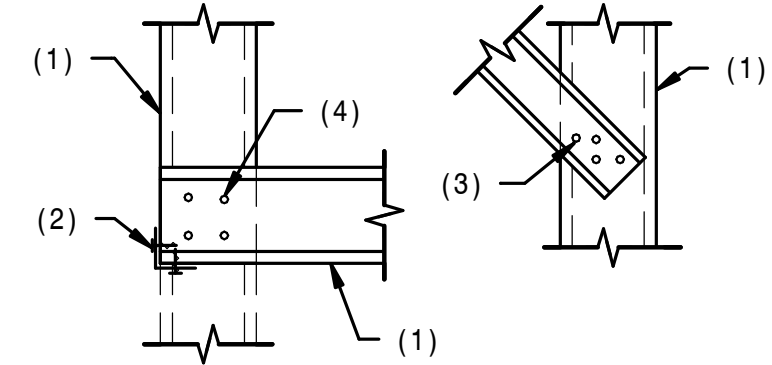


TRACK WIDER THAN STEEL    STEEL WIDER THAN TRACK

**7 TYPICAL TRACK TO STRUCTURE CONNECTION**

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE

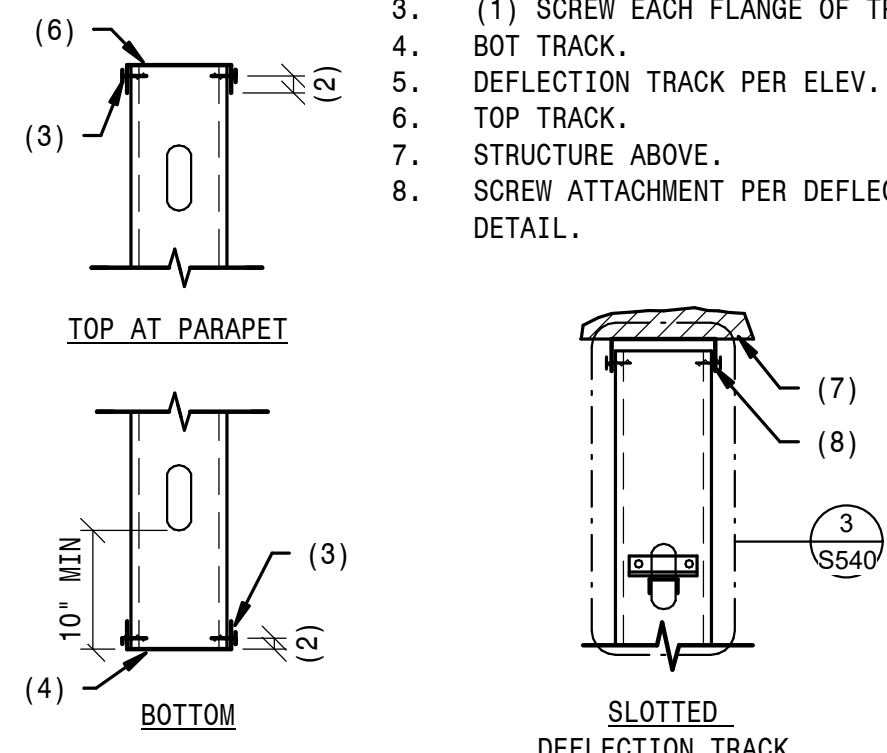
- NOTES:**
1. STUDS PER ELEVATIONS OR DETAILS.
  2. L250x250x43MIL W/ (1) SCREW EA LEG AT EA. STUD - TYP AT OUTSIDE CORNERS.
  3. (4) SCREWS AT DIAGONAL LAPS - TYP UNO.
  4. (4) SCREWS AT TYPICAL LAPS - TYP UNO.



**8 TYPICAL LAPPED CONNECTIONS**

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE

- NOTES:**
1. BRIDGING PER TYPICAL DETAILS.
  2. MINIMUM EDGE DISTANCE PER TYPICAL SCREW SPACING DETAIL.
  3. (1) SCREW EACH FLANGE OF TRACK AT EACH STUD.
  4. BOT TRACK.
  5. DEFLECTION TRACK PER ELEV.
  6. TOP TRACK.
  7. STRUCTURE ABOVE.
  8. SCREW ATTACHMENT PER DEFLECTION TRACK DETAIL.

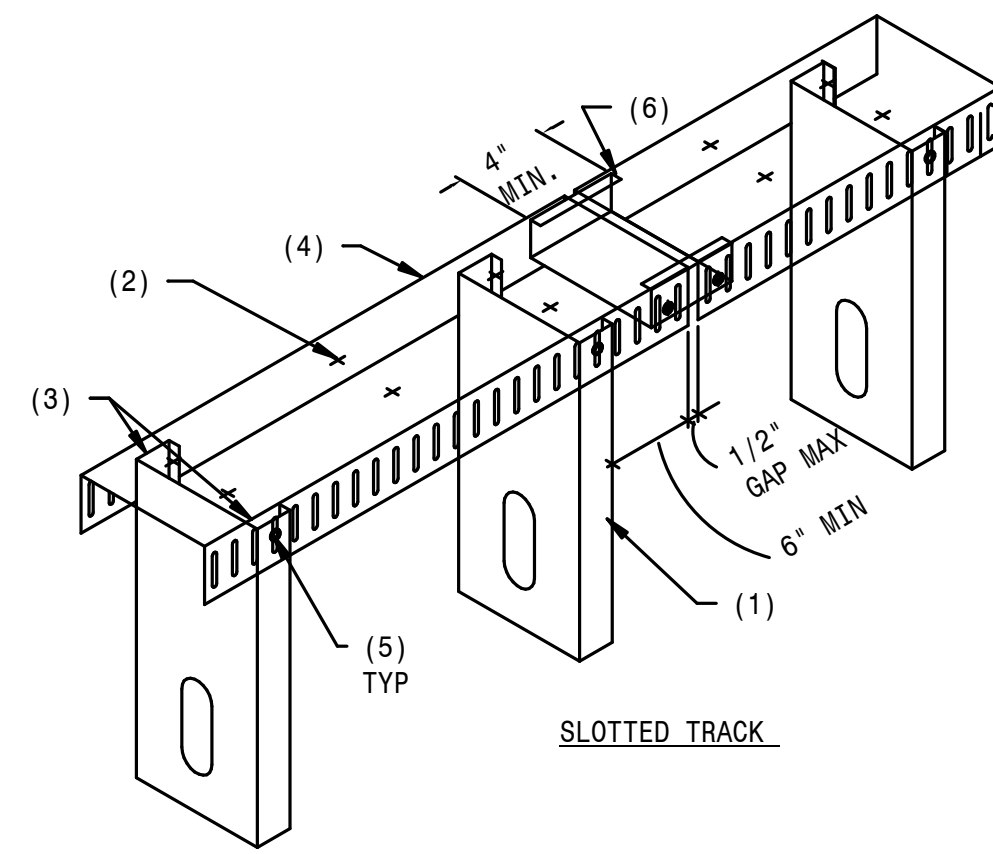


**9 TYPICAL STUD TO TRACK CONNECTIONS**

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE

NOTE: SLOTTED TRACK MAY ONLY BE USED AS TOP TRACK.

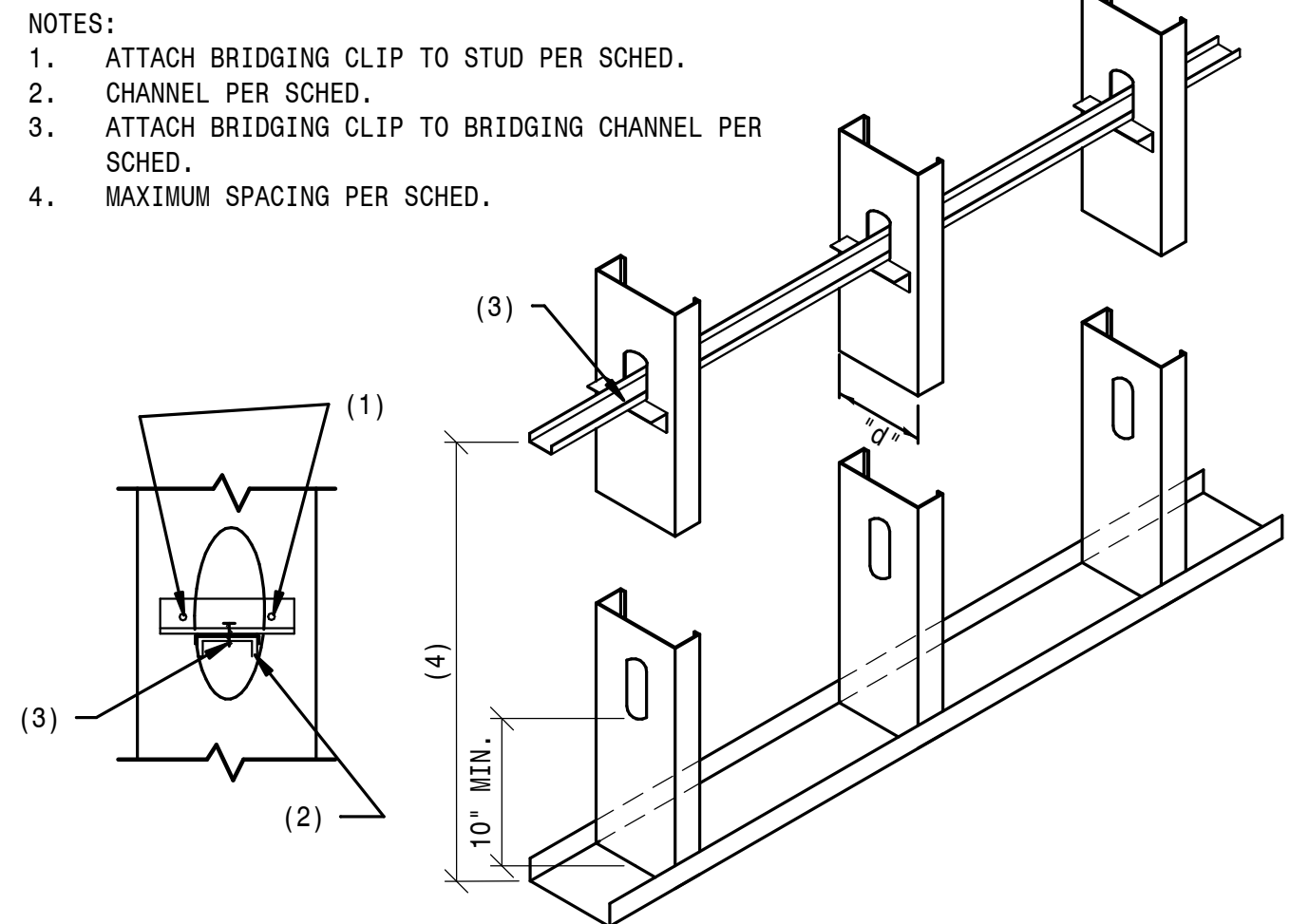
- NOTES:**
1. WALL STUDS PER ELEV.
  2. TRACK TO STRUCT AS FOLLOWS:
    - A. AT STEEL, RE: 7/S540.
    - B. AT ROOF DECK, (2) #12 SCREWS AT 12" OC.
  3. REQUIRED GAP = 1/2"
  4. SLOTTED TRACK PER SCHED.
  5. (1) #10 SCREW CENTERED IN SLOT EA FLANGE OF EA STUD.
  6. SPLICE TRACK USING 4" LONG MIN. PIECE OF WALL STUD INSIDE TRACK WEB. ATTACH THROUGH SOLID FLANGE AREA (BTWN SLOTS) WITH (1) #10 SCREW EA SIDE OF SPLICE EA FLANGE (4 TOTAL SCREWS).



**3 TOP OF WALL DEFLECTION TRACK**

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE

BRIDGING SCHEDULE			
CLIP	CHANNEL	SCREWS FROM CLIP TO CRC	SCREWS FROM CLIP TO STUD
BRIDGECLIP BC-33,1	1 1/2" U-CHANNEL	(1)	(0)
BRIDGING SPACING REQUIREMENTS			
WALL TYPE OR CONDITION	SPACING		
WALL OR SOFFIT SPANS < 8'-0"	BRIDGING NOT REQUIRED		
ALL WALLS	BRIDGING AT MIDSPAN		
ALL ROOF JOISTS	6'-0" OC MAX		
<b>NOTES:</b>			
1. BRIDGING PRODUCTS OTHER THAN THOSE LISTED ABOVE MUST BE REVIEWED BY THE ENGINEER PRIOR TO USE.			



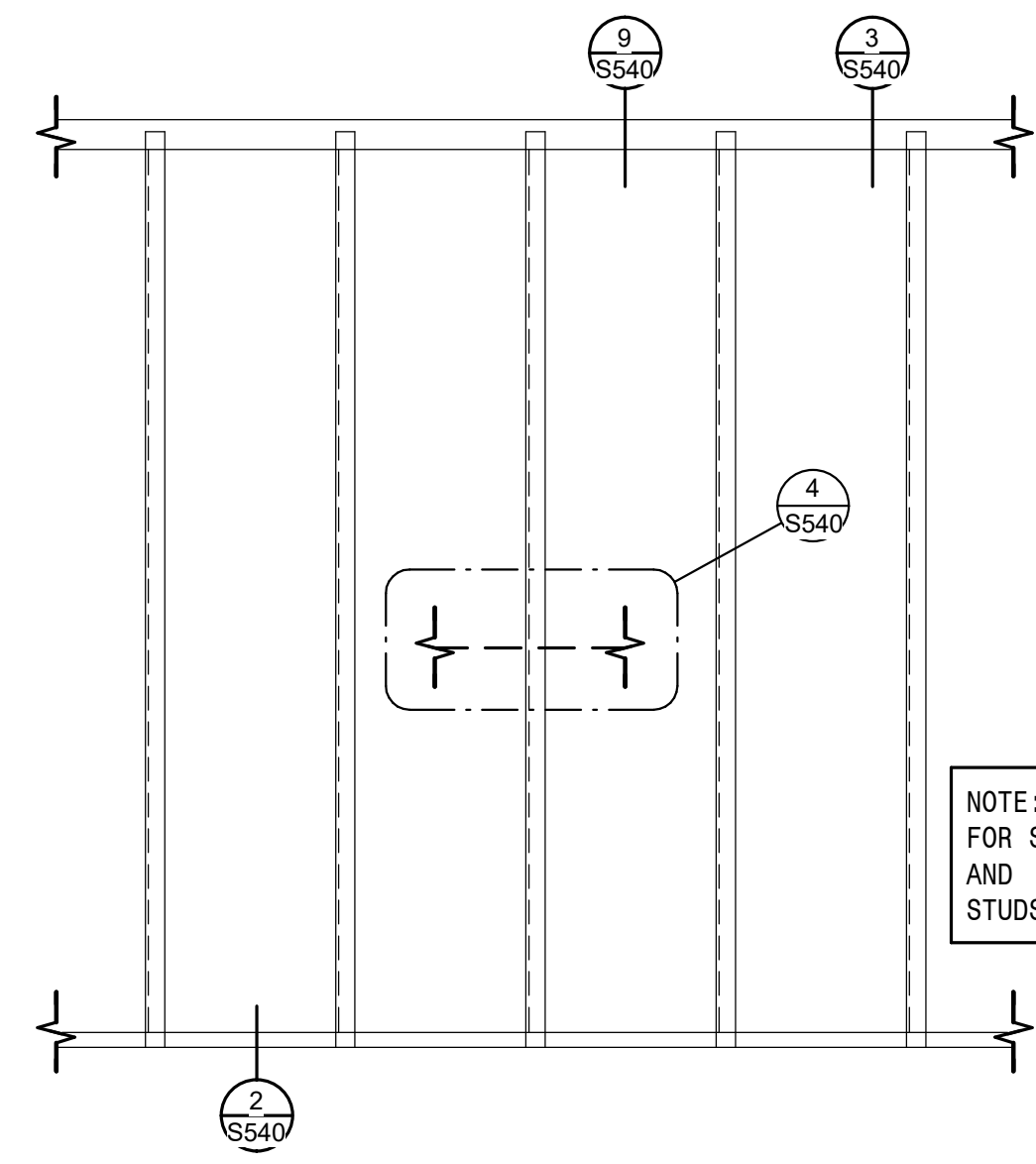
**4 STRUCTURAL STUD BRIDGING**

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE

- NOTES:**
1. TEK SCREWS - PENETRATE A MIN OF 3 THREADS PAST FINAL PLY.
  2. EDGE OF ATTACHED COLD-FORMED STEEL.
- | SCREW SIZE | "S" (MIN) | "E" (MIN) |
|------------|-----------|-----------|
| #10        | 5/8"      | 5/16"     |
| #12        | 3/4"      | 3/8"      |

**5 TYPICAL SCREW SPACING**

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE



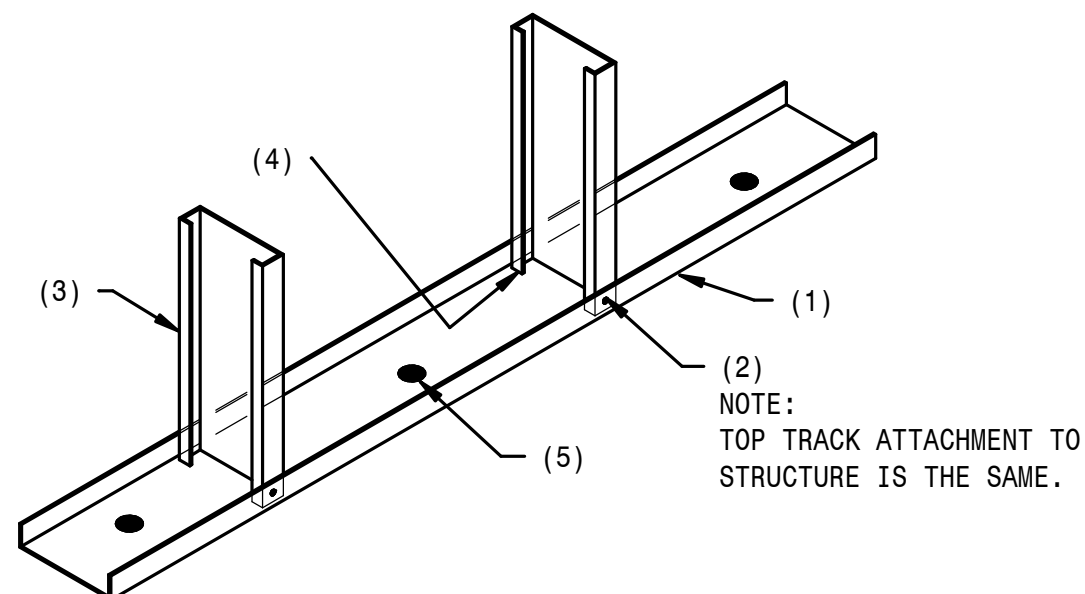
**1 TYPICAL CFS NON-BEARING WALL**

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE

NOTE: RE: SCHEDULE FOR SIZES OF TRACKS AND STUDS - TYP.

ATTACHMENT TO CONCRETE SCHEDULE	
CONDITION	FASTENING
<b>TYPICAL MILD REINFORCED CONCRETE</b>	
(1 1/4" PAF EMBEDMENT AT TYPICAL MILD REINF CONC)	
ALL WALLS	(1) PAF AT 16" OC

- NOTES:**
1. CONTINUOUS TRACK.
  2. SCREW EACH FLANGE OF STUDS TO TRACK WITH (1) SELF-DRILLING SCREWS - UNO.
  3. WALL STUDS.
  4. STUDS SHALL BE SEATED SQUARELY IN THE TRACK WITH NO MORE THAN A 1/4" GAP BETWEEN THE END OF STUD AND TRACK (AISI S240).
  5. FASTEN BOTTOM TRACK TO CONG PER SCHEDULE.



**2 EXTERIOR STRUCTURAL WALL TRACK ATTACHMENT TO CONCRETE**

THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS. NO SCALE

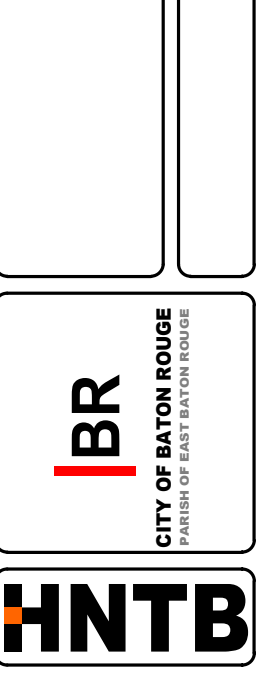


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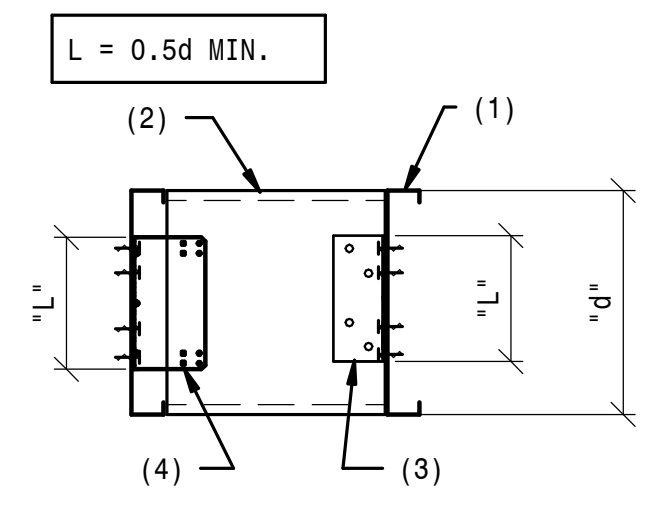
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PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED RH CHECKED RL	
DATE SHEET	03/01/2022
BY	
NO.	
DATE	
REVISION DESCRIPTION	



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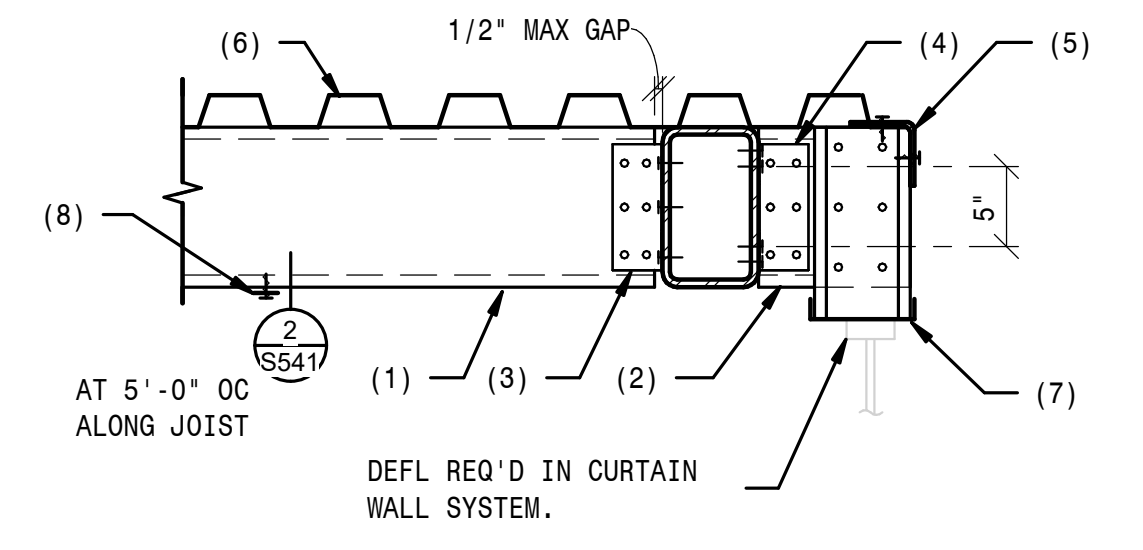


- NOTES:**
1. JOIST PER PLAN.
  2. FULL DEPTH 54MIL BLOCKING.
  3. TSN AL CLIP OR BENT PL400X400X54MIL W/ (4) SCREWS TO JOIST AND (4) SCREWS TO BLOCKING.
  4. AT FLANGE SIDE, SIMPSON SJC CLIP W/ (4) SCREWS TO JOIST AND (8) SCREWS TO BLOCKING.



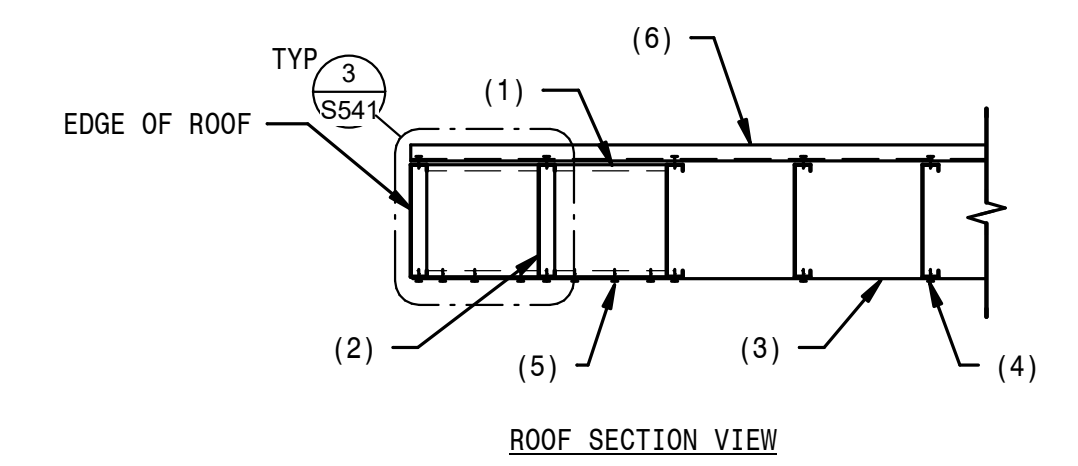
**3 CFS SOLID JOIST BLOCKING** NO SCALE  
THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.

- NOTES:**
1. CFS FRAMING PER PLAN - TYP.
  2. 1000S162-54 AT 16" OC W/ 1000T125-54 AT END.
  3. TSN AL800 W/ (6) #12 SCREWS TO STUD AND (3) PAFs TO STRUCT.
  4. TSN AL800 W/ (6) #12 SCREWS TO STUD AND (4) PAFs TO STRUCT SPACED AS SHOWN.
  5. L400X400X43MILXCONT W/ (1) #12 SCREW AT EA HORIZ AND VERT STUD FLANGE (2 SCREWS TOTAL AT 16" OC).
  6. ROOF DECK PER PLAN NOTES. ATTACH ROOF DECK TO ANGLE PER PERIMETER CONNECTION SPACING IN PLAN NOTES.
  7. 600S162-54 AT 16" OC W/ 600T125-54 BOT. USE (6) #12 SCREWS AT LAPPED CONNECTION.
  8. BOT FLANGE BRACING AT 5'-0" OC MAX.



**1 ROOF JOIST CONNECTION** NO SCALE  
DEFL REQ'D IN CURTAIN WALL SYSTEM.

- NOTES:**
1. SOLID 54MIL BLOCKING AT MISPAN AND EACH END OF ROOF. MATCH DEPTH OF JOIST. (2) SOLID PANELS EACH END - TYP.
  2. JOISTS PER PLAN.
  3. 1 1/2" 43MIL CONT STRAP BOT. SPACE BOT FLANGE BRACING AT 6'-0" OC MAX.
  4. #10 SCREW EA JOIST.
  5. (3) #10 SCREWS TO BLOCKING FLANGE.
  6. ROOF DECK AND ATTACHMENT PER PLAN NOTES.



**2 CFS ROOF JOIST BRACING** NO SCALE  
THIS DETAIL IS TYPICAL TO THE PROJECT AND IS NOT NECESSARILY CUT OR CALLED OUT ON PLANS.

PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	

DESIGNED RH	
CHECKED RL	
DATE	08/01/2022
SHEET	S541

NO.	DATE	REVISION DESCRIPTION	BY



**STRUCTURAL**  
CFS DETAILS  
**NORTH TRANSIT CENTER**



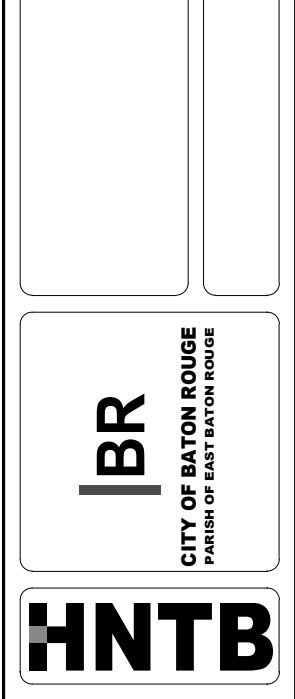
**SALASO'BRIEN**  
| expect a difference |  
2380 Towne Center Boulevard, Suite 1210  
Baton Rouge, Louisiana 70806  
225.766.8002 | Registration No. 2964  
Salas O'Brien Project No. 2022-01991



Sheet No:	M1.00
DESIGNED	OK
CHECKED	TK
DATE	10/03/2022
SHEET	M1.00
NO.	DATE
REVISION DESCRIPTION	BY



ARCHITECTURAL  
BUILDING - FLOOR PLAN  
NORTH TRANSIT CENTER

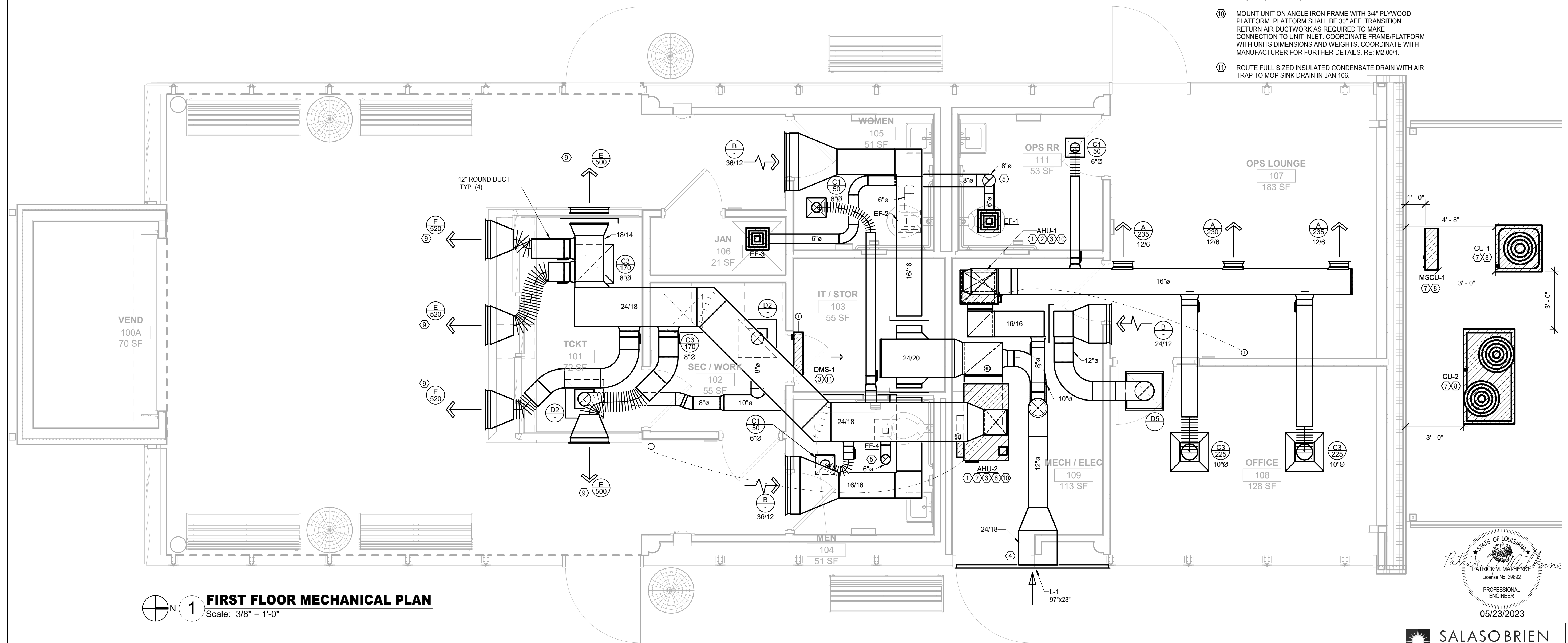


**MECHANICAL GENERAL NOTES**

- 1) ALL DUCT SIZES SHOWN ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.
- 2) COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.
- 3) ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.
- 4) SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.
- 5) FIELD COORDINATE WITH STRUCTURAL. OFFSET AND TRANSITION DUCTWORK AS REQUIRED.
- 6) WHERE AREAS OPEN TO CEILING WITH EXPOSED DUCTWORK, PROVIDE DOUBLE WALL SPIRAL DUCTWORK AND COORDINATE WITH ARCHITECT FOR COLOR SELECTION. NO FLEX DUCT SHALL BE VISIBLE FOR ANY APPLICATION.
- 7) DUCT WORK ABOVE CEILING SHALL BE TYPICAL SNAP LOCK ROUND OR RECTILINEAR DUCTWORK WITH FLEX DUCT ALLOWED FOR GRILLE CONNECTIONS.
- 8) THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.

**MECHANICAL KEYED NOTES**

- ① ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR TRAP TO FLOOR DRAIN IN ITELEC 110.
- ② PROVIDE AUXILIARY EMERGENCY DRAIN PAN WITH EMERGENCY OVERFLOW FLOAT SWITCH. PAN SHALL BE MINIMUM 4" DEEP AND SHALL EXTEND OUT FROM UNDER UNIT 6" ON ALL SIDES.
- ③ VERIFY SERVICE CLEARANCE FOR AIR FILTER, FAN, AND COIL REMOVAL WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT. (TYPICAL OF ALL UNITS)
- ④ CONTRACTOR TO INSTALL LOUVER THAT SHALL FIT IN PLACE OF 97"x28" GLASS PANE ABOVE DOOR. COORDINATE LOUVER FRAMING TO FIT INSIDE DIMENSIONS. PROVIDE A SHEET METAL BLANK OFF TO BE INSTALLED BEHIND LOUVER. CONTRACTOR TO PROVIDE OPENING WITH 0.94 FT<sup>2</sup> OF FREE AREA AFTER BLANK IS INSTALLED AND TRANSITION TO DUCT SIZE AS SHOWN. REFER TO LOUVER MANUFACTURER FOR PERFORMANCE INTAKE DATA.
- ⑤ ROUTE 8" EXHAUST DUCT (SIZES SHOWN) TO BROAN MODEL 634 ROOF CAP OR APPROVED EQUAL. ROUTE 6" EXHAUST DUCT (SIZES SHOWN) TO BROAN MODEL 634M ROOF CAP OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. KEEP A MINIMUM 10'-0" FROM ALL BUILDING INLETS. PROVIDE WITH INSECT SCREEN.
- ⑥ PROVIDE SMOKE DETECTORS IN THE RETURN AND SUPPLY DUCT. COORDINATE WITH ELECTRICAL CONTRACTOR TO INSTALL.
- ⑦ ROUTE REFRIGERANT LINES UP EXTERIOR WALL CAVITY THEN TO RESPECTIVE INDOOR AHU. EXTERIOR WALL PENETRATION SHALL BE AT APPROXIMATELY 12" AFF.
- ⑧ PROVIDE 4" THICK REINFORCED CONCRETE HOUSEKEEPING PAD. SIZE PAD PER UNIT MANUFACTURERS RECOMMENDATIONS.
- ⑨ COORDINATE FINAL SIDEALL GRILLE HEIGHTS WITH ARCHITECT ELEVATIONS.
- ⑩ MOUNT UNIT ON ANGLE IRON FRAME WITH 3/4" PLYWOOD PLATFORM. PLATFORM SHALL BE 30" AFF. TRANSITION RETURN AIR DUCTWORK AS REQUIRED TO MAKE CONNECTION TO UNIT INLET. COORDINATE FRAME/PLATFORM WITH UNITS DIMENSIONS AND WEIGHTS. COORDINATE WITH MANUFACTURER FOR FURTHER DETAILS. RE: M2.00/1.
- ⑪ ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR TRAP TO MOP SINK DRAIN IN JAN 106.



**1 FIRST FLOOR MECHANICAL PLAN**  
Scale: 3/8" = 1'-0"

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PATRICK M. MATHERNE  
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05/23/2023

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SALAS O'BRIEN Project No. 2022-01991





**BASIS OF DESIGN**  
 THE MANUFACTURER AND MODEL NUMBER LISTED IN THE DRAWINGS OR SPECIFICATIONS ARE THE BASIS OF DESIGN. WHEN PROVIDING EQUIPMENT THAT IS NOT THE BASIS OF DESIGN, THE CONTRACTOR SHALL PROVIDE AN ITEMIZED LIST OF ALL DEVIATIONS FROM THE INFORMATION DETAILED IN BOTH THE SPECIFICATION SECTION AND SCHEDULE. ADDITIONALLY, THE EQUIPMENT MUST MEET THE PHYSICAL CONSTRAINTS OF ROOM INCLUDING COORDINATION WITH OTHER TRADES AND ALL EQUIPMENT CLEARANCES, INCLUDING OTHER TRADES. FINALLY, THE CONTRACTOR SHALL PROVIDE AT THE CONTRACTOR'S COST ANY SCOPE INCREASE AND DEDUCTIONS BASED ON THE NON-BASIS OF DESIGN EQUIPMENT FOR THE FOLLOWING MINIMUM ITEMS:

- ELECTRICAL MODIFICATIONS, INCLUDING WIRING, CONDUIT, DISCONNECTS, OVERCURRENT PROTECTION, PANELS, ETC.
- STRUCTURAL MODIFICATIONS.
- CIVIL MODIFICATIONS.
- PLUMBING MODIFICATIONS.
- DUCT AND PIPE CONNECTIONS OR ARRANGEMENTS.
- SPACE HEATING AND COOLING REQUIREMENTS.
- EXHAUST OR VENTILATION MODIFICATIONS.
- VIBRATION ISOLATION REQUIREMENTS.

LOUVER									
Type Mark	Location	Service	CFM	EXT. STATIC PRESSURE (IN. W.C.)	MINIMUM FREE AREA (SQ. FT.)	Manufacturer	Model	Comments	
L-1	EXTERIOR WALL	OUTSIDE AIR	420	-	-	GREENHECK	EHH-601	1	

**GENERAL NOTES:**  
 1. REFER TO ARCHITECTURAL DRAWINGS FOR LOUVER MOUNTING LOCATIONS.  
 2. MAINTAIN 10'-0" CLEARANCE BETWEEN ALL EXHAUSTS AND INTAKES.  
 3. NATURAL VENTILATION MUST CONSIST OF TWO NONCLOSABLE LOUVERED OPENINGS LOCATED WITHIN 1'-0" OF THE FLOOR AND 1'-0" OF THE CEILING. OPENINGS NEED TO BE LOCATED TO ENSURE CROSS VENTILATION.

**REMARKS:**  
 1. COORDINATE LOUVER COLOR SELECTION WITH ARCHITECT.

AIR COOLED CONDENSING UNIT										
MARK	NOM. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MINIMUM EER/ SEER	CURRENT CHARAC.			RELATED UNIT MARK	MCA	MOCP	REMARKS
				V	PH	F				
CU-1	36,000	95	11/13	208	3	60	AHU-1	12.3	20	1,2,3,4
CU-2	90,000	95	11/-	208	3	60	AHU-2	35.5	45	1,2,3,5
MSCU-1	12,000	95	12.5/19	208	1	60	DMS-1	7.8	15	1,2,3,6

**GENERAL NOTES:**  
 1. MINIMUM RECOMMENDED CLEARANCE AROUND ROOFTOP UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

**REMARKS:**  
 1. PROVIDE WITH LOW AMBIENT CONTROL DOWN TO 20°F.  
 2. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.  
 3. PROVIDE UNIT WITH HAIL GUARD.  
 4. BASIS OF DESIGN: YORK YCJ.  
 5. BASIS OF DESIGN: YORK PC.  
 6. BASIS OF DESIGN: DAIKIN RK.

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

**NOTES:**  
 N/A - NOT APPLICABLE

DUCTLESS MINI-SPLIT - INDOOR UNIT (COOLING ONLY)																
MARK	FAN					COOLING							MCA	MOCP	REMARKS	
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT. STATIC PRESSURE (IN. W.C.)	HORSE POWER	CURRENT CHARAC.	AIR TEMPERATURE (°F)		NOM. TOTAL CAPACITY (BTUH)	NOM. SENS. CAPACITY (BTUH)	MINIMUM EER/ SEER	NUMBER OF STAGES					
						ENTERING DRY BULB	ENTERING WET BULB									
DMS-1	400	0	0.50	0.1	208	1	60	77.0	64.0	12,000	9,000	12.5/19	1	7.8	15	1,2,3,4,5,6

**GENERAL NOTES:**  
 1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, AND DAMPERS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.  
 2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

**REMARKS:**  
 1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.  
 2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.  
 3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.  
 4. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.  
 5. BASIS OF DESIGN: FTK  
 6. PROVIDE WITH CONDENSATE PUMP.

GRILLE									
MARK	TYPE	SERVICE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	DESCRIPTION	
A	GRILLE	SUPPLY AIR	OBD	STEEL	BY ARCH	TITUS	300RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1)	
B	DIFFUSER	RETURN AIR	-	STEEL	BY ARCH	TITUS	350RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1)	
C	DIFFUSER	SUPPLY AIR	AT TAP	STEEL	BY ARCH	TITUS	OMNI	SURFACE MOUNT CEILING FRAME STYLE WITH 12"X12" FACE.	
D	GRILLE	RETURN AIR	-	STEEL	BY ARCH	TITUS	PAR	SURFACE MOUNT CEILING FRAME STYLE WITH 24"X24".	
E	SLOT	SUPPLY AIR	AT TAP	STEEL	BY ARCH	TITUS	FL-20	2 SLOT JET THROW, 2" SLOT WIDTH AND 24" LONG. 12" INLET	

**GENERAL NOTES:**  
 1. DAMPERS NOTED AS U.L. SHALL BE A 'U.L.' CLASSIFIED CEILING RADIATION DAMPER WITH THERMAL BLANKET.  
 2. COORDINATE FINAL AIR DEVICE LOCATION AND FINISH COLOR WITH ARCHITECT.

**REMARKS:**  
 1. N/A

FAN															
MARK	LOCATION	CFM	EXT. STATIC PRESSURE (IN. W.C.)	MAX. RPM	HORSE POWER	CURRENT CHARAC.			LOCALLY SWITCHED BY	INTERLOCKED WITH	FAN TYPE	DRIVE TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
						V	P	F							
EF-1	OPS RR	75	0.375	1,100	0.1	120	1	60	-	LIGHTS	CEILING	DIRECT	GREENHECK	SP	1
EF-2	WOMEN'S RR	75	0.375	1,100	0.1	120	1	60	-	LIGHTS	CEILING	DIRECT	GREENHECK	SP	1
EF-3	JANITOR	50	0.375	1,100	0.1	120	1	60	-	LIGHTS	CEILING	DIRECT	GREENHECK	SP	1
EF-4	MEN'S RR	75	0.375	1,100	0.1	120	1	60	-	LIGHTS	CEILING	DIRECT	GREENHECK	SP	1

**GENERAL NOTES:**  
 1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.  
 2. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

**REMARKS:**  
 1. PROVIDE WITH AUTOMATIC BACKDRAFT DAMPER, VIBRATION ISOLATION, SPEED CONTROLLER, DECORATIVE GRILLE, AND INTEGRAL DISCONNECT.

DX FAN/COIL UNIT																							
MARK	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT. STATIC PRESSURE (IN. W.C.)	HORSE POWER	CURRENT CHARAC.			AIR TEMPERATURE (°F)		NOM. TOTAL CAPACITY (BTUH)	NOM. SENS. CAPACITY (BTUH)	MINIMUM EER/ SEER	NUMBER OF STAGES	ENTERING AIR TEMP (°F)		KW	NUMBER OF STAGES	CURRENT CHARAC.			MCA	MOCP	REMARKS
					V	P	F	ENTERING DRY BULB	ENTERING WET BULB					V	P			F					
					AHU-1	1,200	120	0.50	0.5					208	3			60	77.0	64.0			
AHU-2	3,000	300	0.50	1.5	208	3	60	77.0	64.0	90,000	67,500	11/-	2	67.0	19.5	2	208	3	60	73.9	80	1,2,3,4,5,7,8	

**GENERAL NOTES:**  
 1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, AND DAMPERS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.  
 2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

**REMARKS:**  
 1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.  
 2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.  
 3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.  
 4. PROVIDE VERTICAL UNIT.  
 5. PROVIDE WITH (2) DUCT MOUNTED SMOKE DETECTORS. ONE LOCATED IN THE SUPPLY AIR OPENING AND ONE LOCATED IN THE RETURN AIR OPENING.  
 6. BASIS OF DESIGN: YORK NC AIR HANDLERS.  
 7. BASIS OF DESIGN: YORK AP AIR HANDLERS.  
 8. PROVIDE UNIT WITH MOUNTED FILTER RACK.  
 9. PROVIDE WITH 2-FAN SPEED TO RAMP DOWN ACCORDINGLY WITH COMPRESSOR STAGES TO MAINTAIN LOW LAT FOR HUMIDITY CONTROL.

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ARCHITECTURAL  
 MECHANICAL SPECIFICATIONS  
 NORTH TRANSIT CENTER

## MECHANICAL SPECIFICATIONS

### GENERAL

- PERFORM WORK IN ACCORDANCE WITH APPLICABLE STATUTES, ORDINANCES, CODES AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.
- OBTAIN ALL PERMITS REQUIRED.
- CONTRACT DRAWINGS ARE DIAGRAMMATIC ONLY AND DO NOT GIVE FULLY DIMENSIONED LOCATIONS OF VARIOUS ELEMENTS OF WORK. DETERMINE EXACT LOCATIONS FROM FIELD MEASUREMENTS.
- GUARANTEE WORK FOR 1 YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT. DURING THAT PERIOD MAKE GOOD ANY FAULTS OR IMPERFECTIONS THAT MAY ARISE DUE TO DEFECTS OR OMISSIONS IN MATERIAL, EQUIPMENT OR WORKMANSHIP. AT THE OWNER'S OPTION, REPLACEMENT OF FAILED PARTS OR EQUIPMENT SHALL BE PROVIDED.
- IMMEDIATELY PRIOR TO SUBSTANTIAL COMPLETION OF THE PROJECT, REPLACE AIR FILTERS.
- PROVIDE EQUIPMENT HOUSEKEEPING PADS UNDER ALL FLOOR MOUNTED AND GROUND MOUNTED HVAC EQUIPMENT, AND AS SHOWN ON THE DRAWINGS. CONCRETE PADS ARE TO BE 4" THICK UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- PROVIDE NAMEPLATES WITH 1/2" HIGH LETTERS AND FASTENED WITH EPOXY OR SCREWS.
- MAINTAIN QUALITY CONTROL OVER SUPERVISION, SUBCONTRACTORS, SUPPLIERS, MANUFACTURERS, PRODUCTS, SERVICES, SITE CONDITIONS AND WORKMANSHIP TO PRODUCE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- COMPLY WITH INDUSTRY STANDARDS EXCEPT WHEN MORE RESTRICTIVE TOLERANCES OR SPECIFIED REQUIREMENTS INDICATE MORE RIGID STANDARDS OR MORE PRECISE WORKMANSHIP.
- PERFORM WORK BY PERSONS QUALIFIED TO PRODUCE WORKMANSHIP OF SPECIFIED QUALITY.
- SECURE PRODUCTS IN PLACE WITH POSITIVE ANCHORAGE DEVICES DESIGNED AND SIZED TO WITHSTAND STRESSES, VIBRATION, AND RACKING. UNDER NO CONDITIONS SHALL MATERIAL OR EQUIPMENT BE SUSPENDED FROM STRUCTURAL BRIDGING.
- PROVIDE FINISHES TO MATCH APPROVED SAMPLES. ALL EXPOSED FINISHES SHALL BE APPROVED BY THE ARCHITECT. SUBMIT COLOR SAMPLES AS REQUIRED.
- COMPLY WITH INSTRUCTIONS IN FULL DETAIL, INCLUDING EACH STEP IN SEQUENCE. SHOULD INSTRUCTION CONFLICT WITH CONTRACT DOCUMENTS, REQUEST CLARIFICATION FROM ARCHITECT / ENGINEER BEFORE PROCEEDING.

### TESTING, BALANCING, AND ADJUSTING

- VERIFY AND RECORD THE TESTING RESULTS PERFORMED BY THE MECHANICAL CONTRACTOR.
- THE OUTSIDE AIR, SUPPLY AIR, RETURN AIR, AND EXHAUST AIR FOR THE SYSTEM SHALL BE ADJUSTED TO WITHIN +/- 10 % OF THE VALUE SCHEDULED ON THE DRAWINGS.
- SUPPLY FANS: TEST AND ADJUST FAN RPM TO ACHIEVE DESIGN CFM REQUIREMENTS. TEST AND RECORD MOTOR VOLTAGE AND AMPERAGES. COMPARE DATA WITH THE NAMEPLATE LIMITS TO ENSURE FAN MOTOR IS NOT IN OR ABOVE THE SERVICE FACTOR. TEST AND ADJUST THE OUTSIDE AIR ON APPLICABLE EQUIPMENT USING A PITOT-TUBE TRAVERSE.
- EXHAUST FANS: TEST, ADJUST, AND BALANCE EACH DIFFUSER, GRILLE, AND REGISTER TO WITHIN 10 % OF DESIGN REQUIREMENTS. OBSERVE THROWS ARE IN DIRECTION AS INDICATED ON DRAWINGS. ONCE AIR FLOWS ARE SET TO ACCEPTABLE LIMITS, TAKE WET BULB AND DRY BULB AIR TEMPERATURES ON THE ENTERING AND LEAVING SIDE OF EACH COIL (COOLING ONLY).
- DIRECT EXPANSION EQUIPMENT: WITH EACH UNIT OPERATING AT NEAR DESIGN CONDITIONS, MEASURE AND RECORD THE FOLLOWING: MANUFACTURER, MODEL NUMBER, SERIAL NUMBER AND ALL NAMEPLATE DATA. AMBIENT TEMPERATURE, CONDENSER DISCHARGE TEMPERATURE, AMPERAGE AND VOLTAGE FOR EACH PHASE. LEAVING AND ENTERING AIR TEMPERATURES. SUCTION AND DISCHARGE PRESSURES AND TEMPERATURES. TONS OF COOLING. VERIFICATION THAT MOISTURE INDICATOR SHOWS DRY REFRIGERANT.
- TAB REPORT: THE ACTIVITIES DESCRIBED IN THIS SECTION SHALL BE RECORDED IN REPORT FORM TO BE PROVIDED IN QUADRUPPLICATE (4), INDIVIDUALLY BOUND, TO THE ARCHITECT AND ENGINEER. NEATLY TYPE AND ARRANGE DATA. INCLUDE WITH THE DATA THE DATE TESTED, PERSONNEL PRESENT, WEATHER CONDITIONS, NAMEPLATE RECORD OF THE TEST INSTRUMENTS USED AND LIST ALL MEASUREMENTS TAKEN AFTER ALL CORRECTIONS ARE MADE TO THE SYSTEM. RECORD ALL FAILURES AND CORRECTIVE ACTION TAKEN TO REMEDY ANY INCORRECT SITUATION. THE INTENT OF THE FINAL REPORT IS TO PROVIDE A REFERENCE OF ACTUAL OPERATING CONDITIONS FOR THE OWNER'S OPERATIONS PERSONNEL.

### SYSTEM CONTROL

- GENERAL EXHAUST FANS SHALL BE INTERLOCKED WITH LIGHTS IN ROOM UNLESS OTHERWISE NOTED.
- FAN COIL UNIT / CONDENSING UNIT SHALL GO INTO OCCUPIED/UNOCCUPIED MODE AT TIME SET THROUGH PROGRAMMED THERMOSTAT (CONSULT WITH OWNER FOR TIMES). A SPACE TEMPERATURE SENSOR SHALL MAINTAIN DESIRED SET POINT TEMPERATURE. IF UNIT HAS (2) COMPRESSORS, FAN COIL SHALL RUN AT HALF SPEED WHEN ONLY ONE COMPRESSOR IS ENERGIZED TO MAINTAIN COLDEST AIR POSSIBLE. UNIT SHALL BE SET TO RUN IN "AUTO" MODE ONLY. THE OUTSIDE AIR DAMPER SHALL BE INTERLOCKED TO ONLY OPEN WHEN THE UNIT IS OPERATING.

### FANS

- PROVIDE FAN TYPE, ARRANGEMENT, ROTATION, CAPACITY, SIZE, MOTOR HORSEPOWER, AND MOTOR VOLTAGE AS SHOWN. FAN CAPACITIES AND CHARACTERISTICS ARE SCHEDULED ON THE DRAWINGS. PROVIDE FANS CAPABLE OF ACCOMMODATING STATIC PRESSURE VARIATIONS OF +10 % OF SCHEDULED DESIGN AT THE DESIGN AIR FLOW.
- ACCEPTABLE MANUFACTURERS: COOK, GREENHECK, PENN VENTILATOR, ACME, CARNES, TWIN CITY
- SAFETY DISCONNECT SWITCH: PROVIDE A FACTORY-WIRED TO MOTOR, SAFETY DISCONNECT SWITCH ON EACH UNIT.
- DAMPERS, WHERE AUTOMATIC BACKDRAFT DAMPER IS SCHEDULED: MULTI-BLADED, ROLL FORMED ALUMINUM BLADES, NYLON BEARINGS, NEOPRENE WEATHER STRIP ON BLADE EDGE.

### DUCTWORK

- DUCT MATERIAL AND CONSTRUCTION: USE LOCK FORMING QUALITY PRIME GALVANIZED STEEL SHEETS OR COILS UP TO 60" WIDE. STENCIL EACH SHEET WITH GAUGE AND MANUFACTURER'S NAME. STENCIL COILS OF SHEET STEEL THROUGHOUT ON 10' CENTERS WITH GAUGE AND MANUFACTURER'S NAME. PROVIDE CERTIFICATION OF DUCT GAUGE AND MANUFACTURER FOR EACH SIZE DUCT.
- RECTANGULAR LOW PRESSURE DUCT CONSTRUCTED OF SHEET METAL IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
- LOW PRESSURE ROUND DUCTS SHALL BE SHOP FABRICATED WITH SNAP LOCK LONGITUDINAL SEAMS. DUCTS SHALL BE CONSTRUCTED FOR A MINIMUM OF 2" W.G. STATIC PRESSURE. MEDIUM PRESSURE ROUND DUCTWORK SHALL BE WELDED SPIRAL SEAM SUCH AS MANUFACTURED BY UNITED SHEET METAL COMPANY. SEAMS AND JOINTS OF ALL MEDIUM PRESSURE DUCTWORK SHALL BE CONTINUOUSLY WELDED.
- FLEXIBLE DUCT LOW PRESSURE SHALL BE A CONTINUOUS GALVANIZED SPRING STEEL WIRE HELIX, WITH REINFORCED METALIZED COVER, REINFORCED VAPOR BARRIER JACKET RATED FOR USE AT SYSTEM PRESSURE (6" WC MINIMUM), THERMAL CHARACTERISTICS OF R-6 BTU/HR/SQ. FT./"F AND 2" WALL THICKNESS INSULATION WITH 1" OVERLAP. ACCEPTABLE MANUFACTURERS: FLEXMASTER, HART & COOLEY, OMNIAIR
- ACCEPTABLE MANUFACTURERS: FLEXMASTER, THERMOFLEX, OMNIAIR.
- DUCT LINING SHALL BE 1" THICK, 1 1/2 LB. DENSITY, FLEXIBLE LINING COATED ON THE AIR STREAM SIDE TO REDUCE ATTRITION. LINER SHALL BE SCHULER LINA-COUSTIC, CERTAIN TEED ULTRALITE, OR EQUAL MEETING REQUIREMENTS OF NFPA 90 A. PROVIDE I.A.Q. RATED LINER.
- VOLUME DAMPERS: MANUAL, BALANCING DAMPERS THAT MEET OR EXCEED THE FOLLOWING MINIMUM CONSTRUCTION STANDARDS: FRAME 16-GAUGE, BLADES 16-GAUGE, BEARINGS CORROSION RESISTANT, OPPOSED BLADE DAMPERS.
- INSTALLATION: USE CONSTRUCTION METHODS AND REQUIREMENTS AS OUTLINED IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS AS WELL AS SMACNA BALANCING AND ADJUSTING PUBLICATIONS, UNLESS INDICATED OTHERWISE IN THE SPECIFICATIONS. REFER TO DETAILS ON THE DRAWINGS FOR ADDITIONAL INFORMATION. REINFORCE DUCTS IN ACCORDANCE WITH RECOMMENDED CONSTRUCTION PRACTICE OF SMACNA. PROVIDE ADDITIONAL REINFORCEMENT OF LARGE PLENUMS AS REQUIRED TO PREVENT EXCESSIVE FLEXING AND OR VIBRATION.

### DUCTWORK INSULATION

- FURNISH AND INSTALL EXTERNAL INSULATION ON SUPPLY, RETURN, EXHAUST AND FRESH AIR DUCTWORK.
- ALL DUCT INSULATION USED ON THE PROJECT INSIDE THE BUILDING MUST HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50 AS DETERMINED BY TEST PROCEDURES ASTM E84, NFPA 255 AND UL 723.
- CONDENSATION ON ANY INSULATED SYSTEM IS NOT APPROVED.
- WHERE EXISTING INSULATED DUCTWORK OR OTHER SERVICES ARE TAPPED, REMOVE EXISTING INSULATION BACK TO UNDAMAGED SECTIONS AND REPLACE WITH NEW INSULATION OF THE SAME TYPE AND THICKNESS AS EXISTING INSULATION.
- INSULATION: GLASS FIBER BLANKET DUCT INSULATION. ACCEPTABLE MANUFACTURERS ARE: MANVILLE R-SERIES MICROLITE FSKL, OWENS-CORNING ED100 RKF, KNAUF 1.0 PCF FSK.
- REINFORCED FOIL TAPE: ACCEPTABLE MANUFACTURERS ARE: VENTURE 1925CW, 3" FSK.

### AIR DEVICES

- FURNISH AND INSTALL AIR DISTRIBUTION DEVICES, INCLUDING GRILLES, DIFFUSERS, REGISTERS, DAMPERS, AND EXTRACTORS.
- ACCEPTABLE MANUFACTURERS: TUTTLE AND BAILEY, TITUS, KRUEGER, METAL-AIRE, NAILOR INDUSTRIES, PRICE

### AIR FILTERS

- AIR FILTERS: FURNISH AND INSTALL A DISPOSAL MEDIA AND FRAME FILTER WITH RESISTANCE TO AIR FLOW OF A CLEAN FILTER NOT TO EXCEED 0.12" WG AT 300 FPM.
- INSTALL THE FILTERS AND FILTER GAUGES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

### SMOKE DETECTORS

- ACCEPTABLE MANUFACTURERS: AUTOCALL, SIMPLEX, SIEMENS, NOTIFIER, GAMEWELL, PYROTRONICS.
- THE UNIT SHALL CONSIST OF A CLEAR MOLDED PLASTIC ENCLOSURE (OR REMOTE MOUNTED LED STATUS INDICATOR SHALL BE PROVIDED NEXT TO THE SMOKE DETECTOR) WITH INTEGRAL CONDUIT KNOCKOUTS TO PROVIDE VISUAL VIEWING OF DETECTOR/SENSOR FOR MONITORING SENSOR OPERATION AND CHAMBER CONDITION. THE DUCT HOUSING SHALL BE PROVIDED WITH GASKET SEALS TO INSURE PROPER SEATING OF THE HOUSING TO THE ASSOCIATED DUCTWORK. EACH UNIT'S SAMPLING TUBES SHALL EXTEND THE WIDTH OF THE DUCT AND BE PROVIDED WITH POROSITY FILTERS TO REDUCE SENSOR/CHAMBER CONTAMINATION.
- COMPLY WITH NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) SECTIONS NFPA 72, NFPA 90A, NFPA 101
- TO MINIMIZE NUISANCE ALARMS, DETECTORS SHALL HAVE AN INSECT SCREEN AND BE DESIGN TO IGNORE INVISIBLE AIRBORNE PARTICLES OR SMOKE DENSITIES THAT ARE BELOW THE FACTORY SET ALARM POINT. NO RADIOACTIVE MATERIAL SHALL BE USED. THE DETECTOR HEAD SHALL BE DIRECTLY INTERCHANGEABLE WITH AN IONIZATION DETECTOR TYPE.
- INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL NECESSARY WIRING, POWER AND OTHER DEVICES FOR INSTALLATION. INTERLOCK THE SMOKE DETECTOR WITH THE RELATED AIR HANDLING EQUIPMENT TO PROVIDE AUTOMATIC SHUT-DOWN OF THE SYSTEM WHENEVER PRODUCTS OF COMBUSTION ARE DETECTED.

### AIR-COOLED CONDENSING UNITS

- FURNISH AND INSTALL AIR-COOLED CONDENSING UNITS COMPLETE WITH CASING, COMPRESSOR, CONDENSER COIL, CONDENSER FAN AND CONTROLS REQUIRED FOR A SPLIT AIR CONDITIONING SYSTEM.
- PROVIDE PERFORMANCE AS SCHEDULED ON DRAWINGS, AND HEAD PRESSURE CONTROL TO ENABLE UNIT TO OPERATE IN TEMPERATURES AS LOW AS 20°F.
- ACCEPTABLE MANUFACTURERS: CARRIER, TRANE, YORK/JCI
- COMPRESSOR: PROVIDE A HERMETIC COMPRESSOR WITH CRANKCASE HEATERS, INHERENTLY MOTORS, SPRING MOUNTS AND CAPACITY MODULATION. PROVIDE EACH COMPRESSOR WITH A 5-YEAR WARRANTY.
- CONDENSER COILS: PROVIDE COPPER TUBES WITH MECHANICALLY BONDED ALUMINUM FINNS. PROTECT CONDENSER COILS WITH A HEAVY GAUGE, CORROSION RESISTANT WIRE GUARD. F. FANS AND MOTORS: PROVIDE PROPELLER-TYPE FANS WITH DIRECT DRIVE OR BELT DRIVE AND VERTICAL DISCHARGE. PROTECT FAN WITH A HEAVY-GAUGE, CORROSION RESITANT WIRE GUARD. PROVIDE INHERENTLY PROTECTED, PERMANENTLY LUBRICATED, AND WEATHERPROOF MOTORS.
- CONTROLS: PROVIDE SAFETY AND OPERATING CONTROLS FACTORY WIRED AND MOUNTED IN A SEPARATE ENCLOSURE. INCLUDE HIGH AND LOW PRESSURE SWITCHES AND COMPRESSOR MOTOR OVERLOAD DEVICES. FURNISH A TIME DELAY DEVICE TO PREVENT SHORT CYCLING. EMPLOY A CONTROL TRANSFORMER, A PRESSURE RELIEF DEVICE AND SUCTION AND DISCHARGE VALVES WITH SERVICE CONNECTIONS.
- THERMOSTAT: LOW VOLTAGE THERMOSTAT IS A COMPONENT OF THE UNIT MANUFACTURER UNLESS SPECIFIED IN ANOTHER SECTION. INDIVIDUAL HEATING/COOLING SET POINTS. AUTOMATIC HEAT/COOL CHANGE-OVER. SUB-BASE ON-OFF-AUTO FAN SELECTION. SUB-BASE HEAT-OFF-COOL-AUTO SYSTEM SELECTION.
- INSTALLATION: MOUNT CONDENSING UNITS ON 4" FOUNDATION PADS AND PIPE AS SHOWN ON DRAWINGS OR AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. INSTALL REMOVABLE CORE REFRIGERANT FILTER DRYER AND SIGHT INDICATING GLASS.
- CONTROL WING: FURNISH AND INSTALL CONTROL WIRING AS REQUIRED. INSTALL CONTROL WIRING IN CONDUIT.

### FAN COIL UNITS

- ACCEPTABLE MANUFACTURERS: TRANE, CARRIER, YORK/JCI
- FAN SECTION: LOCATE THE MOTOR AND DRIVE ASSEMBLY INSIDE THE CABINET. SIZE EACH V-BELT DRIVE FOR 50% OVERLOAD. ADJUSTABLE PITCH MOTOR PULLEY. PROVIDE BUILT-IN MOTOR PROTECTION PROVIDE A BELT ADJUSTMENT MEANS. SELECT THE FAN MOTOR SO THAT THE BRAKE HORSEPOWER REQUIRED TO DELIVER THE DESIGN AIR QUANTITY AT THE SYSTEM STATIC PRESSURE WILL NOT EXCEED THE MOTOR NAMEPLATE AMPERAGE RATING.
- UNIT HOUSING: CONSTRUCT THE UNIT OF GALVANIZED STEEL SHEETS, AND FORMED MEMBERS. INTERNALLY INSULATE THE ENTIRE UNIT WITH NEOPRENE COATED, 1-1/2 LB. DENSITY GLASS FIBER INSULATION, APPLIED TO INTERNAL SURFACES WITH ADHESIVE AND WELD PINS. COAT EXPOSED EDGES OF INSULATION WITH ADHESIVE. PROVIDE A DUCT FLANGE ON FOUR SIDES OF THE RETURN AIR INLET AND SUPPLY AIR OUTLET OF THE UNIT.
- CONDENSATE DRAIN PANS: PROVIDE IAQ STYLE DRAIN PANS SHALL BE PROVIDED UNDER ALL COILS. PITCH TO DRAIN CONNECTION.

### CONDENSATE PIPING

- TYPE "L" COPPER WITH DRAINAGE PATTERN FITTINGS IN RETURN PLENUM AREAS, PVC WITH DRAINAGE PATTERN FITTINGS IN NON-PLENUM AREAS.
- INSTALL THE SYSTEM TO FACILITATE EASY REMOVAL, USE THREADED PLUGGED TEE AT EACH CHANGE OF DIRECTION TO PERMIT CLEANING. INSTALL A CLEANOUT EVERY 50 FEET OF STRAIGHT RUN PIPING. MAINTAIN A POSITIVE SLOPE ON ALL PIPING.
- INSTALL A WATER SEAL TRAP LEG BASED ON THE FAN PRESSURE. SIZE OTHE LENGTH OF THE TRAP LEG 1 INCH LARGER THAN THE ACTUAL SYSTEM PRESSURE.
- DO NOT INSTALL PIPING SIZED SMALLER THAN THE UNIT DRAIN CONNECTION SIZE.
- INSULATE PIPING WITH 3/4" ELASTOMERIC INSULATION FOR ALL PIPE BELOW ROOF.
- INSULATION TO BE 25/50 FLAME AND SMOKE RATING.

### REFRIGERANT PIPING

- REFRIGERANT PIPING: TYPE K SOFT-DRAWN COPPER TUBING WITH SWEAT-TYPE, WROUGHT COPPPER FITTINGS. CAST FITTINGS ARE NOT PERMITTED.
- PRESSURE TEST: CHARGE THE SYSTEM WITH DRY NITROGEN AND TEST TO 300 PSIG. TEST JOINTS WITH A HALIDE TORCH OR AN ELECTRONIC LEAK DETECTOR. RETEST SYSTEM UNTIL PROVEN TIGHT.
- EVACUATION AND DRYING: AFTER REFRIGERANT SYSTEM HAS BEEN PRESSURE TESTED, CONNECT A SUITABLE VACUUM PUMP AND EVACUATE PIPING SYSTEM, INCLUDING LINES AND EQUIPMENT. MAINTAIN A VACUUM AS HIGH AS PRACTICABLE FOR LONG ENOUGH TO EVAPORATE THE MOISTURE IN THE SYSTEM (AT LEAST 48 HOURS). CHECK THE HUMIDITY WITHIN THE SYSTEM WITH A WET BULB INDICATOR, AND MAINTAIN THE VACUUM UNTIL THE WET BULB TEMPERATURE IS REDUCED TO -40°F. AFTER THE SYSTEM HAS BEEN EVACUATED AND DRIED, BREAK THE VACUUM BY CHARGING PROPER REFRIGERANT INTO THE SYSTEM.
- INSULATION: ELASTOMERIC INSULATION WITH A MINIMUM THICKNESS OF 3/4" WITH A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS. THERMAL CONDUCTIVITY OF 0.27 AT 75°F MEAN (ASTM C177 OR C 518). INSULATION TO BE ARMSTRONG OR APPROVED EQUAL. ALL INSULATION IS TO BE COVERED BY SMOOTH FABRICATED Z-LOCK ALUMINUM JACKET 0.016" THICK WITH A FACTORY APPLIED 1 MIL. POLYETHYLENE/40LB AND FAB STRAP. KRAFT MOISTURE BARRIER. CHILDER LOCK-ON OR APPROVED EQUAL.



**SALASO BRIEN**  
 | expect a difference |  
 2380 Towne Center Boulevard, Suite 1210  
 Baton Rouge, Louisiana 70806  
 225.766.8002 | Registration No. 2964  
 SALAS O'BRIEN Project No. 2022-01991



PLUMBING KEYED NOTES	
Key Value	Keynote Text
1	4" SANITARY SEWER PIPING. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
2	2" DOMESTIC WATER ENTRY TO UNIT 39 TFU'S = 45.6 GPM PEAK DEMAND LOAD, WITH A SUGGESTED WATER METER SIZE OF 1".
3	3" VENT UP THRU ROOF. OFFSET AS REQUIRED TO MAINTAIN MINIMUM OF 10'-0" FROM ANY OUTSIDE AIR INTAKE AND 5'-0" FROM ANY EXTERIOR WALL.

- PLUMBING GENERAL NOTES**
1. ALL WORK, METHODS AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE CITY BUILDING CODE, INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
  2. ALL SANITARY PIPING 3" AND LARGER ROUTED AT 1/8" SLOPE PER FOOT UNLESS OTHERWISE NOTED. ALL PIPE LESS THAN 3" SHALL BE ROUTED AT 1/4" SLOPE PER FOOT.
  3. EACH VENT SHALL TERMINATE VERTICALLY NOT LESS THAN 6" ABOVE ROOF, MAINTAIN MINIMUM 10'-0" DISTANCE BETWEEN VENT TERMINALS THROUGH ROOF AND ALL FRESH AIR INTAKES, AND A MINIMUM 5'-0" FROM ANY EXTERIOR WALL.
  4. CONTRACTOR TO FIELD VERIFY AS NECESSARY THE EXACT ROUTING AND SIZES OF ALL PIPING.
  5. PROVIDE A TWO-WAY CLEANOUT AT CIVILS POINT OF CONNECTION.
  6. CONTRACTOR SHALL COORDINATE ROUTING OF PIPING BELOW SLAB WITH COLUMN FOOTINGS, GRADE BEAMS, UNDERGROUND PLUMBING AND ELECTRICAL UTILITIES, AND OTHER SUB-SURFACE BUILDING ELEMENTS.
  7. CONTRACTOR SHALL COORDINATE ROUTING OF PIPING IN CEILING SPACES WITH MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK AND CONDUIT. SHOULD A CONFLICT OCCUR THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN.
  8. COORDINATE ALL FIXTURE AND EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS WITH LATEST ARCHITECTURAL DRAWINGS AND SPECIFICATIONS PRIOR TO ANY ROUGH-INS.
  9. DO NOT ROUGH-IN FROM THESE DRAWINGS. REFER TO LATEST ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS.
  10. PRIOR TO BEGINNING CONSTRUCTION, COORDINATE BUILDING BACKFLOW PREVENTION REQUIREMENTS WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PROVIDE AS DIRECTED.

Sheet No: P1.00

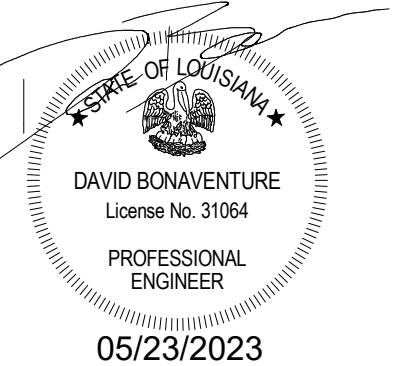
EAST BATON ROUGE PARISH  
 16-CI-US-0032  
 PARISH CITY PROJECT STATE PROJECT

DESIGNED CK  
 CHECKED TK  
 DETAILED CP  
 CHECKED TK  
 DATE 10/03/2022  
 SHEET P1.00

NO.	DATE	REVISION DESCRIPTION	BY



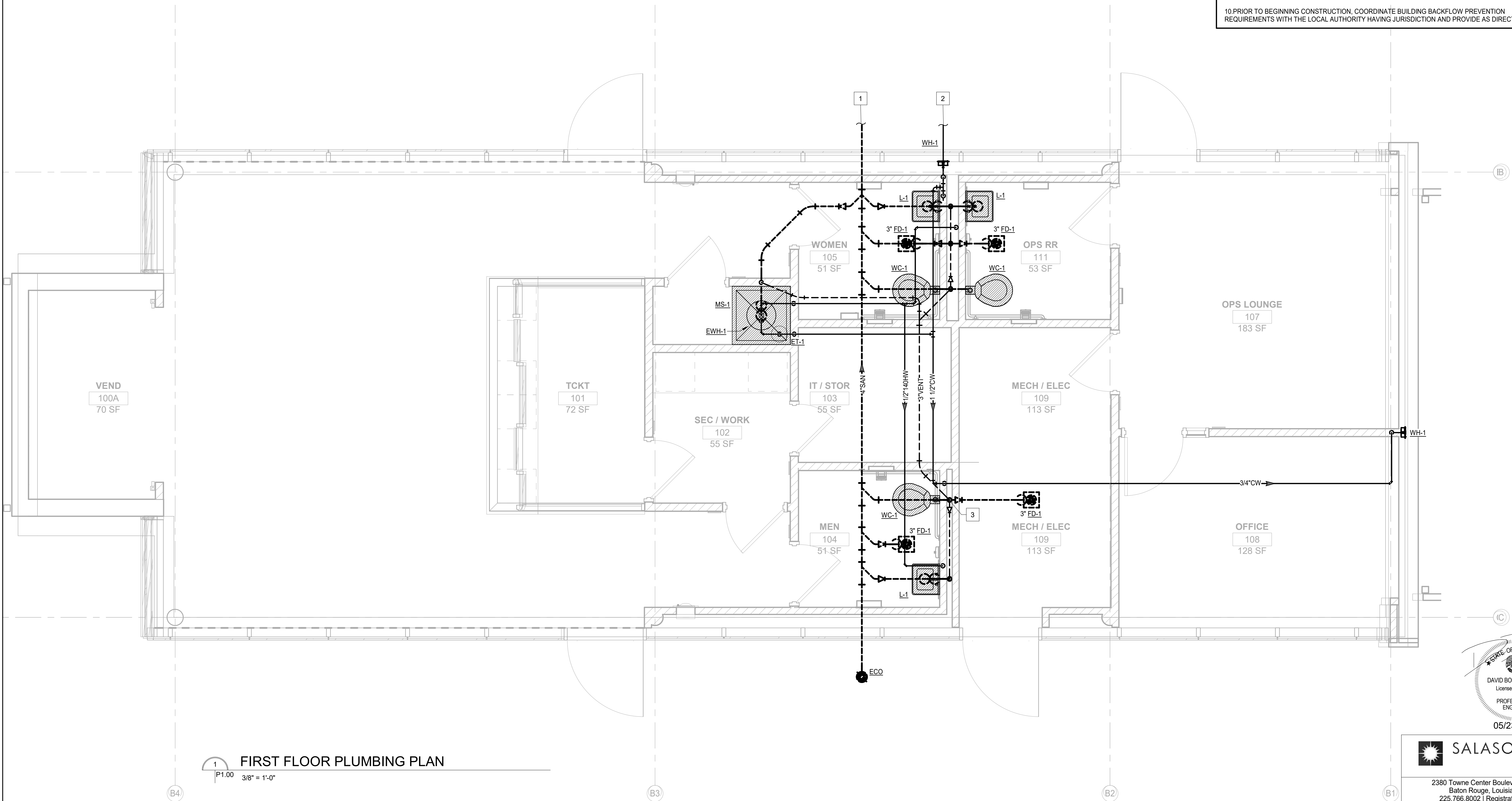
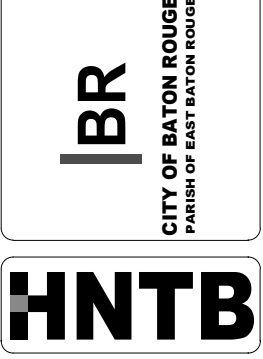
PLUMBING  
 BUILDING - FLOOR PLAN  
 NORTH TRANSIT CENTER



05/23/2023

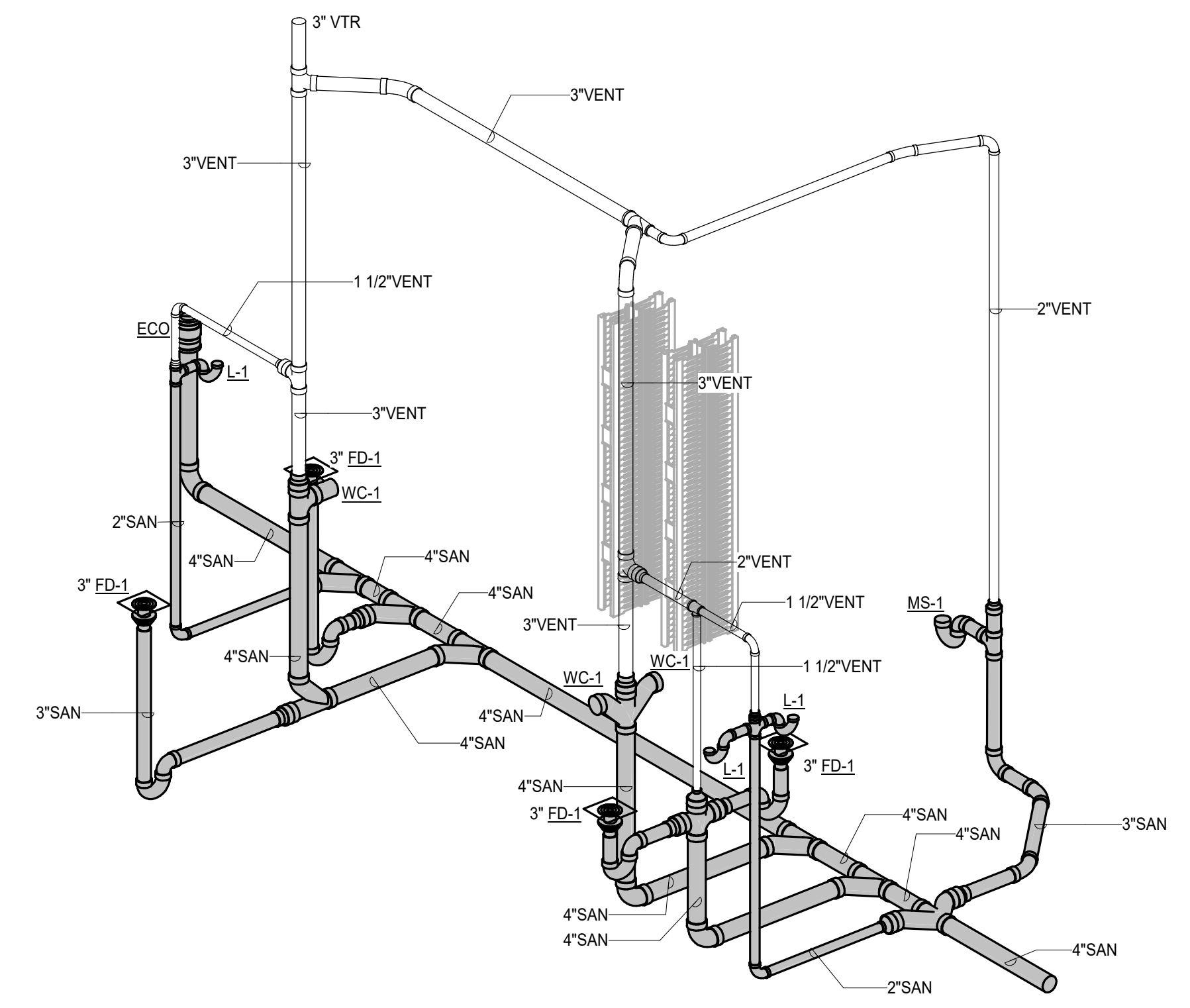


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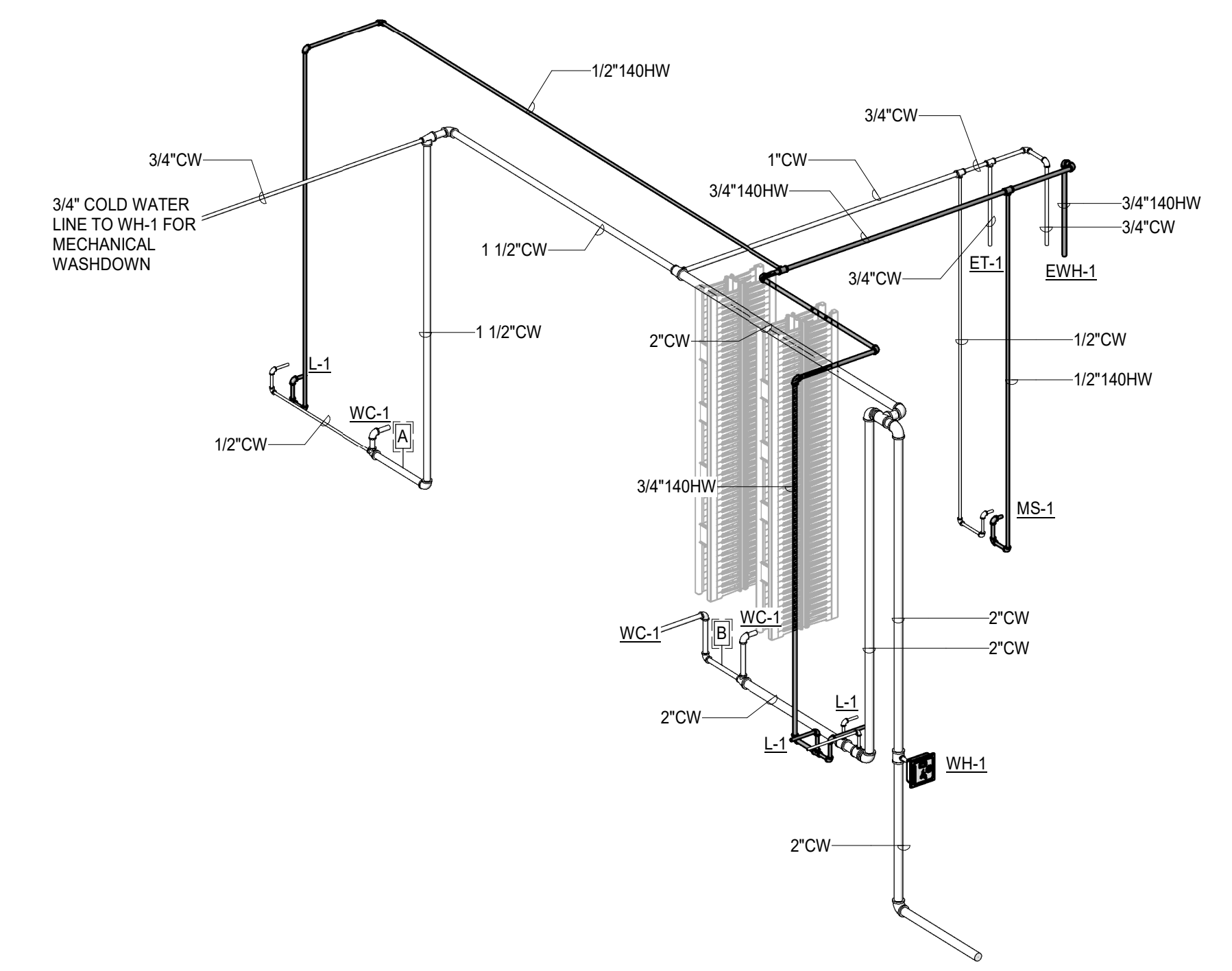


1 FIRST FLOOR PLUMBING PLAN  
 P1.00 3/8" = 1'-0"





2 PLUMBING SANITARYVENT RISER  
 P2.00



1 PLUMBING HOT/COLD WATER RISER  
 P2.00

NO.	DATE	REVISION DESCRIPTION	BY



PLUMBING  
 PLUMBING RISERS  
 NORTH TRANSIT CENTER



05/23/2023  
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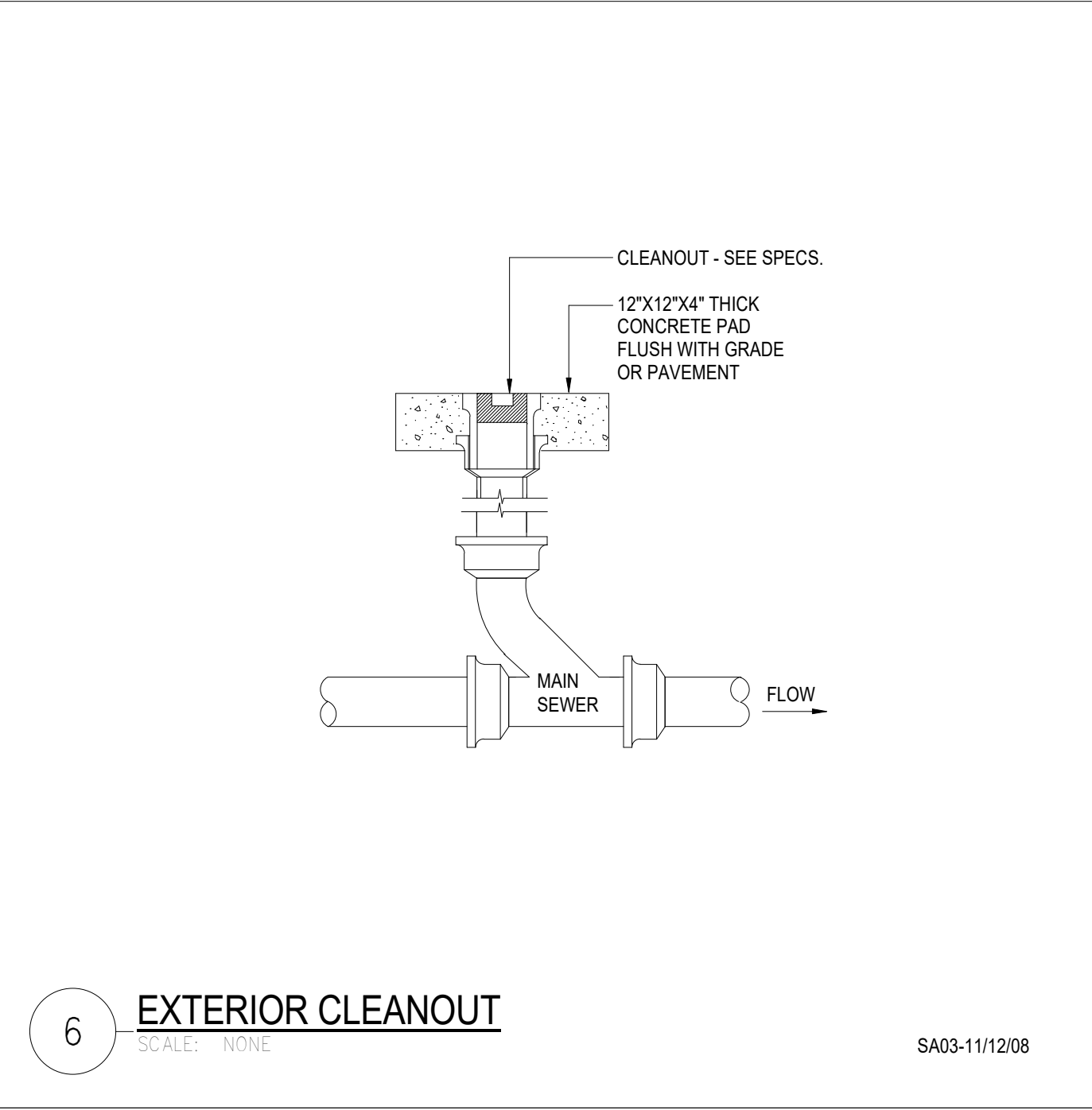
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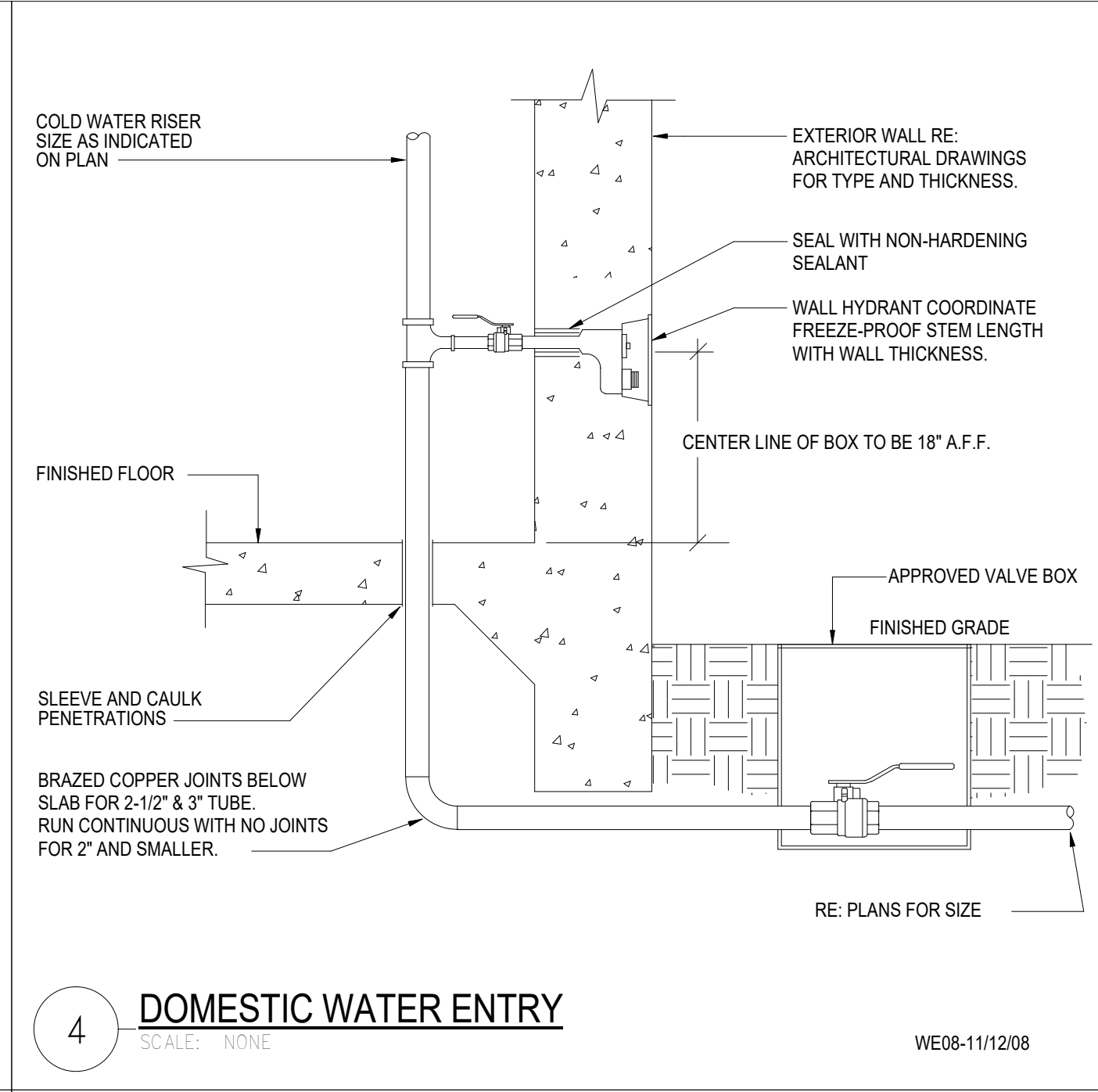
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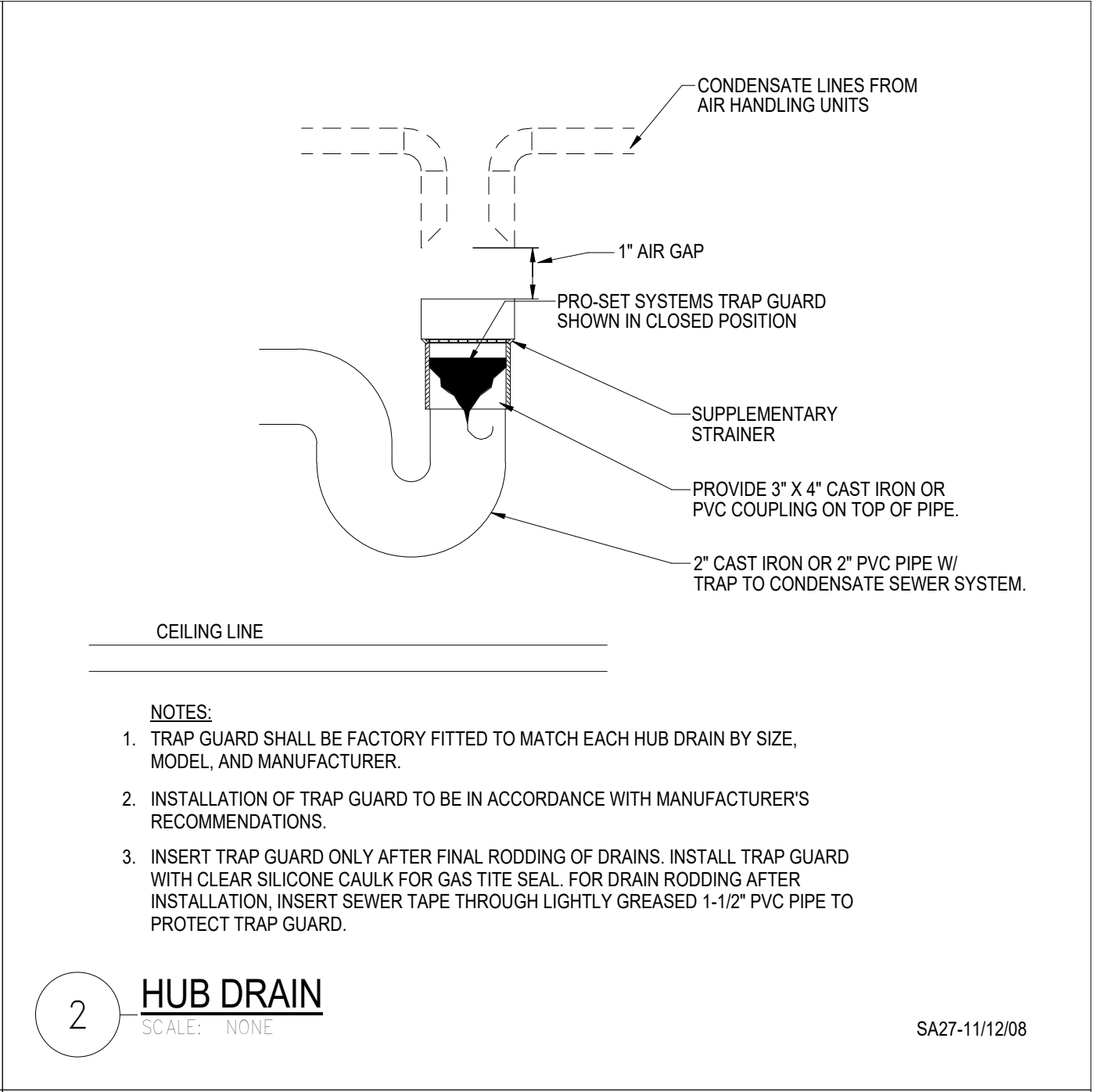
PLUMBING  
 PLUMBING DETAILS  
 NORTH TRANSIT CENTER



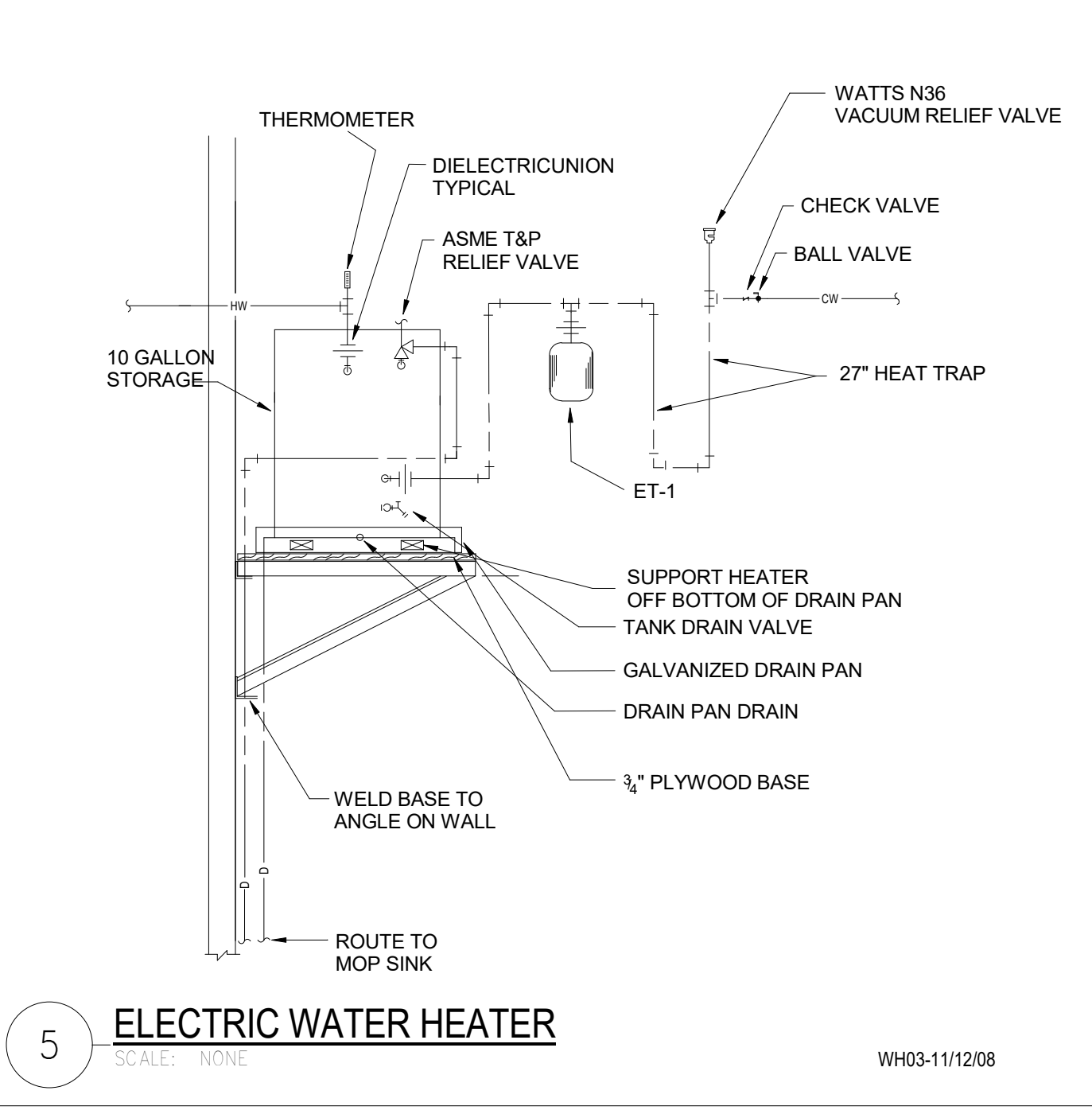
**6 EXTERIOR CLEANOUT**  
 SCALE: NONE SA03-11/12/08



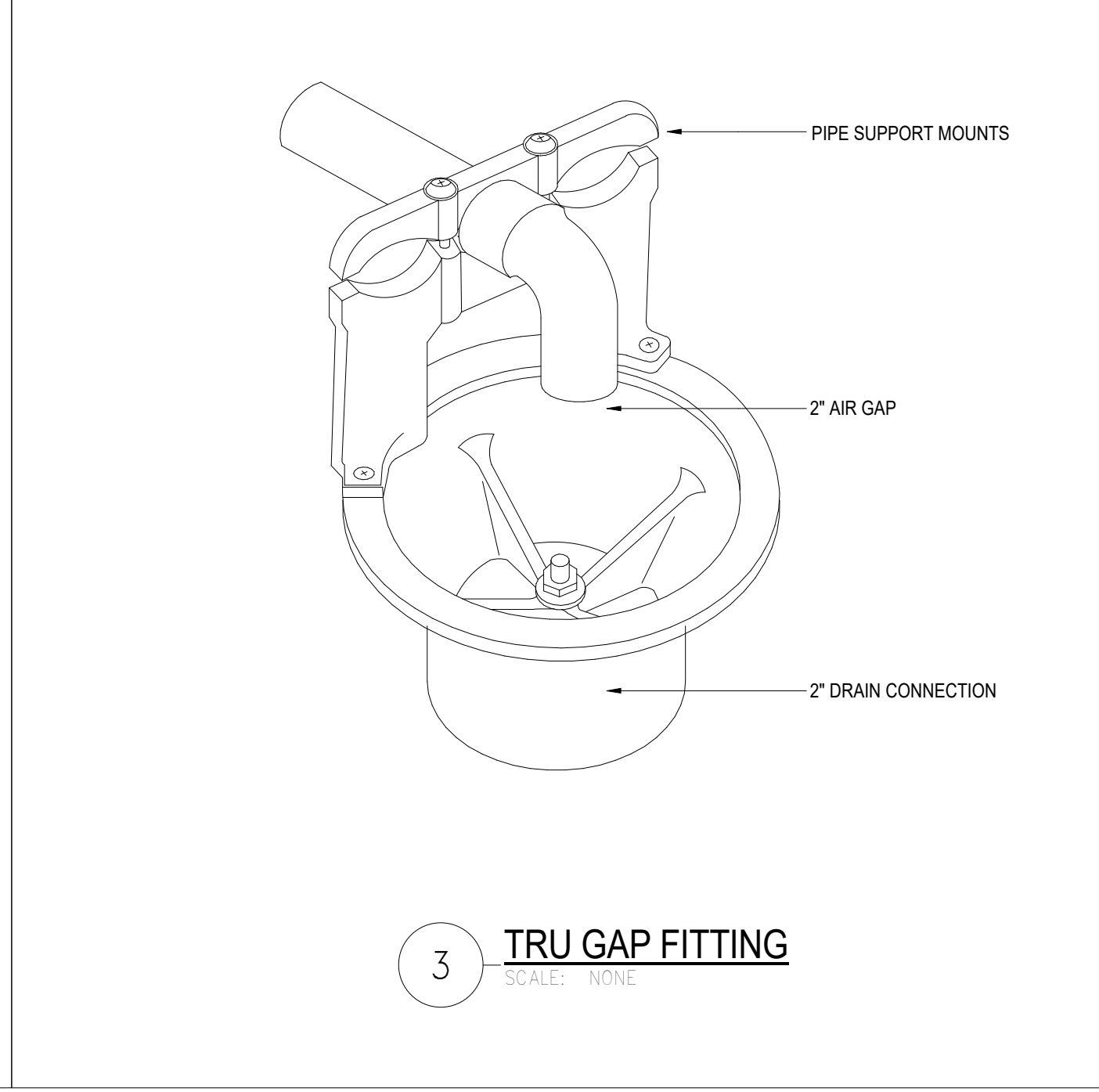
**4 DOMESTIC WATER ENTRY**  
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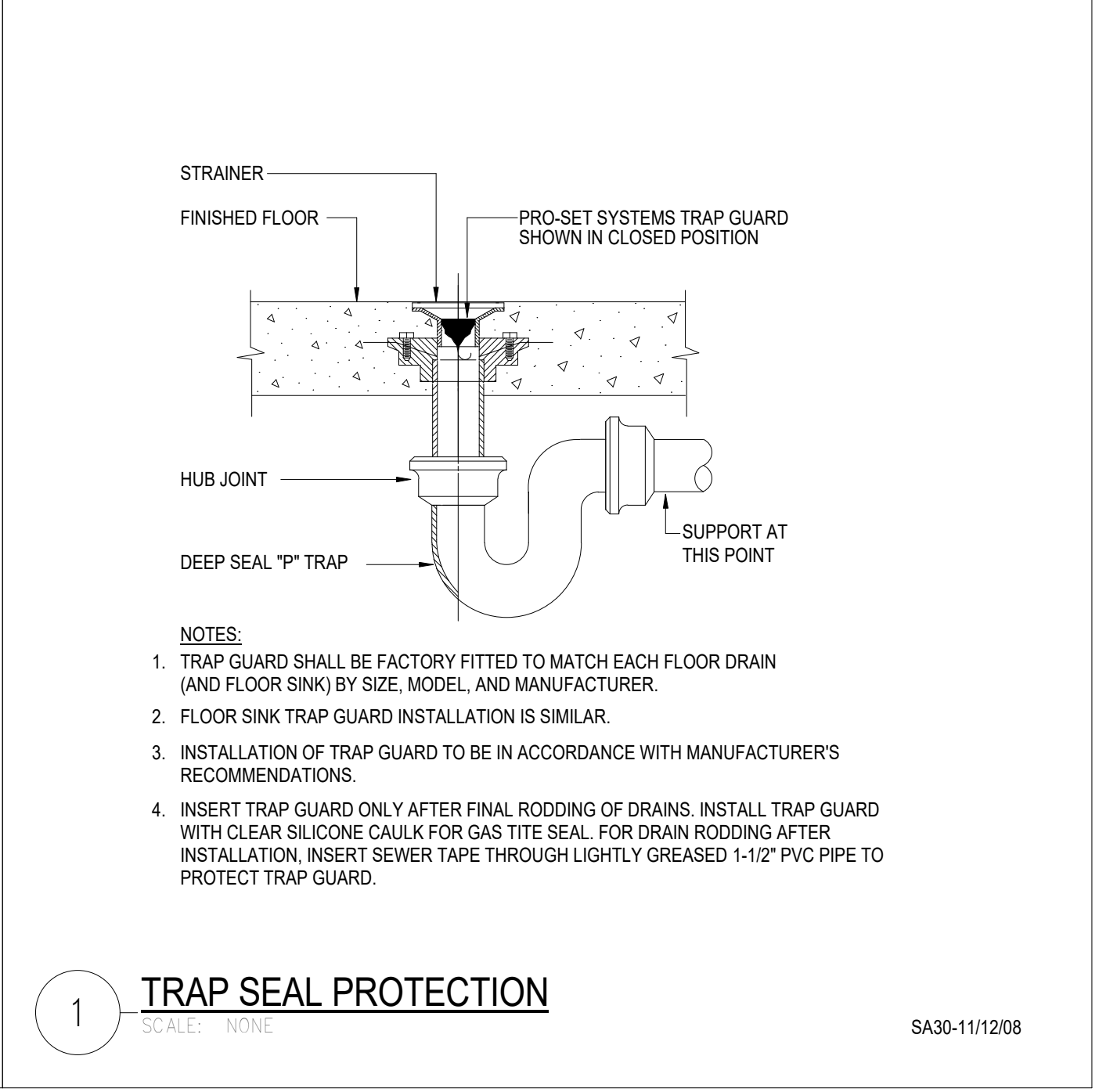
**2 HUB DRAIN**  
 SCALE: NONE SA27-11/12/08



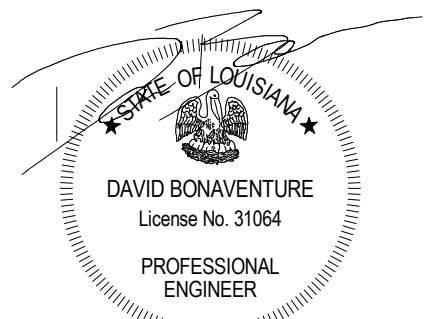
**5 ELECTRIC WATER HEATER**  
 SCALE: NONE WH03-11/12/08



**3 TRU GAP FITTING**  
 SCALE: NONE



**1 TRAP SEAL PROTECTION**  
 SCALE: NONE SA30-11/12/08



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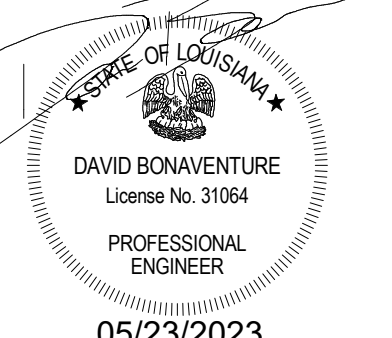
ELEC. WATER HEATER SCHEDULE							
ITEM NO.	KW INPUT	GALS. PER HR. RECOVERY RATE 100°F RISE	STORAGE CAPACITY	ELECTRICAL REQUIRED	STORED WATER TEMP	MANUFACTURER COMMENT	MOCP*
EWH-1	1.5KW	6 GALLONS	10 GAL	208V/1Ø	140°F	A. O. SMITH DEL-10 NON SIMULTANEOUS	20 AMPS
* IF THE MAXIMUM FUSE SIZE OF THE EQUIPMENT PROVIDED EXCEEDS THE SPECIFIED AMOUNT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COSTS RELATED TO INCREASED FUSE SIZE / WIRE SIZE.							

DOMESTIC HW EXPANSION TANK SCHEDULE						
ITEM NO.	DESCRIPTION	MAX. WORK PRESSURE	TANK VOL. GALLONS	MAX. ACCEPT. GALLONS	DIAMETER INCHES	MANUFACTURER AND MODEL
ET-1	HOT WATER EXPANSION TANK	150 PSI	3.5	2.3	10"	WATTS DETA-5
NOTES: 1. ALL EXPANSION TANKS TO HAVE ASME RATED TANKS AND REPLACEABLE BLADDERS. 2. ET-1 TO BE PIPED ON THE COLD WATER SUPPLY SERVING EWH-1						

WATER HAMMER ARRESTOR SCHEDULE			
P.D.I. SYMBOLS:	FIXTURE SYMBOLS:	CHAMBER LENGTH	SWEAT CONNECTION:
A	1-11	9-5/8"	1/2"
B	12-32	11-3/4"	3/4"

PLUMBING PIPING LEGEND	
SYMBOLS	DESCRIPTION
— SAN —	SANITARY OR WASTE PIPING ABOVE GRADE (SAN)
— — SAN — —	SANITARY OR WASTE PIPING BELOW GRADE (SAN)
— — V — —	VENT PIPING (V)
— CW —	COLD WATER PIPING (CW)
— HW —	HOT WATER PIPING (HW)
→	FLOW DIRECTIONAL ARROW
⊘	SHUT-OFF VALVE
●	BALL VALVE (BV)
⊕	UNION
⇄	REDUCER OR INCREASER
↓	PIPING DOWN
↑	RISE OR DROP PIPING
↑ ↓	PIPING UP -OR- PIPING UP & DOWN
⊕	CLEANOUT (WALL OR CEILING) (CO)
⊕	FLOOR CLEANOUT (FCO)
⊕	EXTERIOR CLEANOUT WITH 18"x18"x4" CONCRETE PAD (ECO)
⊕	TWO-WAY CLEANOUT (PROVIDE 18"x24"x4" CONCRETE PAD OUTSIDE)
⊕	BRANCH CONNECTION OUT OF TOP
⊕	BRANCH CONNECTION OUT OF BOTTOM
⊕	BRANCH CONNECTION OUT OF SIDE
⊕	WYE & 1/8TH BEND BRANCH CONNECTION
⊕	WYE BRANCH CONNECTION
⊕	HOSE BIBB
⊕	PRESSURE GAUGE WITH COCK
⊕	THERMOMETER
⊕	ASME TEMPERATURE & PRESSURE RELIEF VALVE
⊕	VACUUM RELIEF VALVE
⊕	ANGLE VALVE
1	REFER TO KEYED NOTE
⊕	FLOOR DRAIN (FD)
⊕	HUB DRAIN (HD)
⊕	AIR CHAMBER
⊕	NEW CONNECTION
⊕	INVERT ELEVATION
⊕	1/8" PER FOOT
⊕	1/8TH OF AN INCH SLOPE
⊕	DELTA CHANGE SYMBOL

PLUMBING FIXTURE SCHEDULE	
TYPE:	WC-1 (A.D.A. COMPLIANT)
DESCRIPTION:	WATER CLOSET, WALL HUNG, 1.6 GALLON PER FLUSH SIPHON JET ACTION, VITREOUS CHINA, ELONGATED BOWL WITH 1-1/2" TOP SPUD INLET AND BOLT COVERS, AMERICAN STANDARD "ARWALL" 2257.103.
SEAT:	ELONGATED OPEN FRONT WHITE PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES, CHURCH 9500SCT.
FLUSH VALVE:	1.6 GALLON FLUSH CYCLE, EXPOSED, SENSOR TYPE, CHROME PLATED CLOSET FLUSHOMETER, VACUUM BREAKER, SPUD COUPLING FOR 1-1/2" TOP SPUD, SLOAN OPTIMA 111 E.S.S, PROVIDE TRANSFORMER EL-154, PROVIDE FLUSHOMETER ELECTRICAL BOX POSITIONING AND SUPPORT KIT EL-485-A.
CARRIER:	MIFAB MC-10 HORIZONTAL OR MC-12,13 VERTICAL.
ROUGH-INS:	4" WASTE, 3" VENT, 1" COLD WATER, REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.
TYPE:	L-1 (A.D.A. COMPLIANT)
DESCRIPTION:	LAVATORY, WALL HUNG, VITREOUS CHINA, 18-1/2" X 17" BOWL WITH REAR OVERFLOW, FAUCET HOLES ON 4" CENTERS, AMERICAN STANDARD "LUCERNE" 0355.027.
FAUCET:	CHROME PLATED BRASS ELECTRONIC LAVATORY FAUCET, SINGLE HOLE MOUNT WITH VANDAL RESISTANT AERATOR, BATTERY POWERED, MOEN CA8302.
MIXING VALVE:	THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W.
CARRIER:	RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 3" X 4-1/2" BASE ANCHORED TO CONCRETE WITH (4) 1/2" BOLTS, ADJUSTABLE SLEEVE, THREADED CONCEALED ARMS, ALIGNMENT BAR, LOCKING DEVICE, AND LEVELING SCREWS, MIFAB MC-41, WADE
STRAINER:	1-1/4" 17 GAUGE OFFSET WHEELCHAIR STRAINER, CHROME PLATED BRASS GRID DRAIN WITH ELBOW AND 17 GAUGE OFFSET TAILPIECE, MCGUIRE 155WC.
P-TRAP:	1-1/4" 17 GAUGE CHROME PLATED HEAVY CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE, MCGUIRE 8872.
SUPPLIES:	1/2" I.P.S. X 3/8" O.D. CHROME PLATED LOOSE KEY STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS, MCGUIRE 216SLK.
ROUGH-INS:	2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER, REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.
TYPE:	FD-1
DESCRIPTION:	FLOOR DRAIN, CAST IRON BODY, ADJUSTABLE 7" NICKEL BRONZE STRAINER, CLAMPING COLLAR, MIFAB F-1100.
TRAP SEAL:	PROVIDE PRO-SET SYSTEMS, INC. TRAP GUARD FACTORY FITTED TO MATCH EACH HUB DRAIN BY SIZE, MODEL, AND MANUFACTURER. REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH ARCHITECTURAL DRAWINGS.
ROUGH-INS:	3/4" COLD WATER
TYPE:	WH-1
DESCRIPTION:	WALL HYDRANT, 1" NON-FREEZE, CHROME PLATED BRASS FINISH WITH ANTI-SIPHON VACUUM BREAKER AND LOOSE TEE KEY, INSTALL WITH BOTTOM OF HYDRANT 24" A.F.F. WOODFORD MODEL 70. PROVIDE WITH 1" ATMOSPHERIC VACUUM BREAKER, WATTS SERIES 289.
ROUGH-INS:	3/4" COLD WATER
TYPE:	ECO
DESCRIPTION:	EXTERIOR CLEANOUT TO GRADE, CAST IRON BODY WITH THREADED ADJUSTABLE HOUSING, FERRULE WITH TAPERED BRASS PLUG, AND ROUND SCORRIATED CAST IRON TRACTOR TYPE COVER WITH SECURITY SCREWS, MI-FAB C-1100.
TYPE:	MS-1
DESCRIPTION:	MOP SINK BASIN, 32" X 32" X 12", PRECAST TERRAZZO WITH 6" DROPPED FRONT, STAINLESS STEEL THRESHOLD CAP, AND STAINLESS STEEL GRID STRAINER DRAIN, STERN WILLIAMS HL-1900-T3s-T40-8P.
FAUCET:	CHROME PLATED BRASS FAUCET WITH INTEGRAL CHECK AND SHUT OFF STOP, WALL MOUNTED, VACUUM BREAKER SPOUT WITH BUCKET HOOK AND 3/4" HOSE THREAD OULET, VANDAL RESISTANT HANDLES, ADJUSTABLE TOP BRACE, CHICAGO 445-897SRCXKCP.
ROUGH-INS:	3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER.
GENERAL NOTES:	ALL LAVATORIES AND SINKS SHALL BE SUPPLIED WITH HOT AND COLD WATER TO FAUCETS AS INDICATED ON PLANS AND FIXTURE SCHEDULE. PROVIDE CHROME PLATED BRASS SUPPLY STOPS WITH LOOSE KEYS AND WALL ESCUTCHEONS. PROVIDE CHROME PLATED FLEXIBLE RISERS OF SIZE REQUIRED TO PROPERLY CONNECT FIXTURES. PROVIDE 17 GAUGE CHROME PLATED CAST BRASS P-TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON. REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS AND FIXTURE SCHEDULE FOR MINIMUM SIZES OF PLUMBING FIXTURE ROUGH-INS.  PROVIDE MOLDED CLOSED CELL ANTI-MICROBIAL VINYL INSULATION KITS AT ALL LAVATORIES AND SINKS REQUIRED TO BE A.D.A. ACCESSIBLE (MCGUIRE OR TRUEBRO). ALL SUCH FIXTURES AND FINAL INSTALLATIONS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (A.D.A.)  INSERT TRAP GUARDS AFTER FINAL RODDING OF DRAINS. INSTALL TRAP GUARD WITH CLEAR SILICONE CAULK FOR GAS-TIGHT SEAL. FOR DRAIN RODDING AFTER INSTALLATION. INSERT SEVER TAPE THROUGH LIGHTLY GREASED 1-1/2" PVC PIPE TO PROTECT TRAP GUARD.  APPROVED EQUAL MANUFACTURERS AND MODEL NUMBERS CAN BE PROVIDED FOR THE MANUFACTURERS AND MODEL NUMBERS OF THE FIXTURES AND EQUIPMENT LISTED IN THE ABOVE SPECIFICATIONS.



05/23/2023



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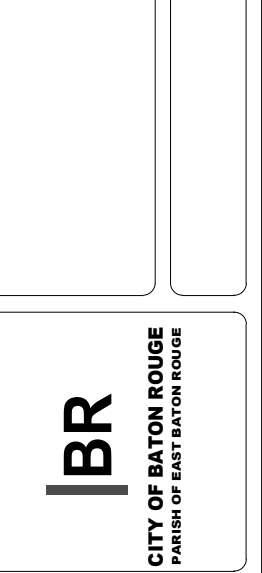
EAST BATON ROUGE PARISH  
16-CI-US-0032

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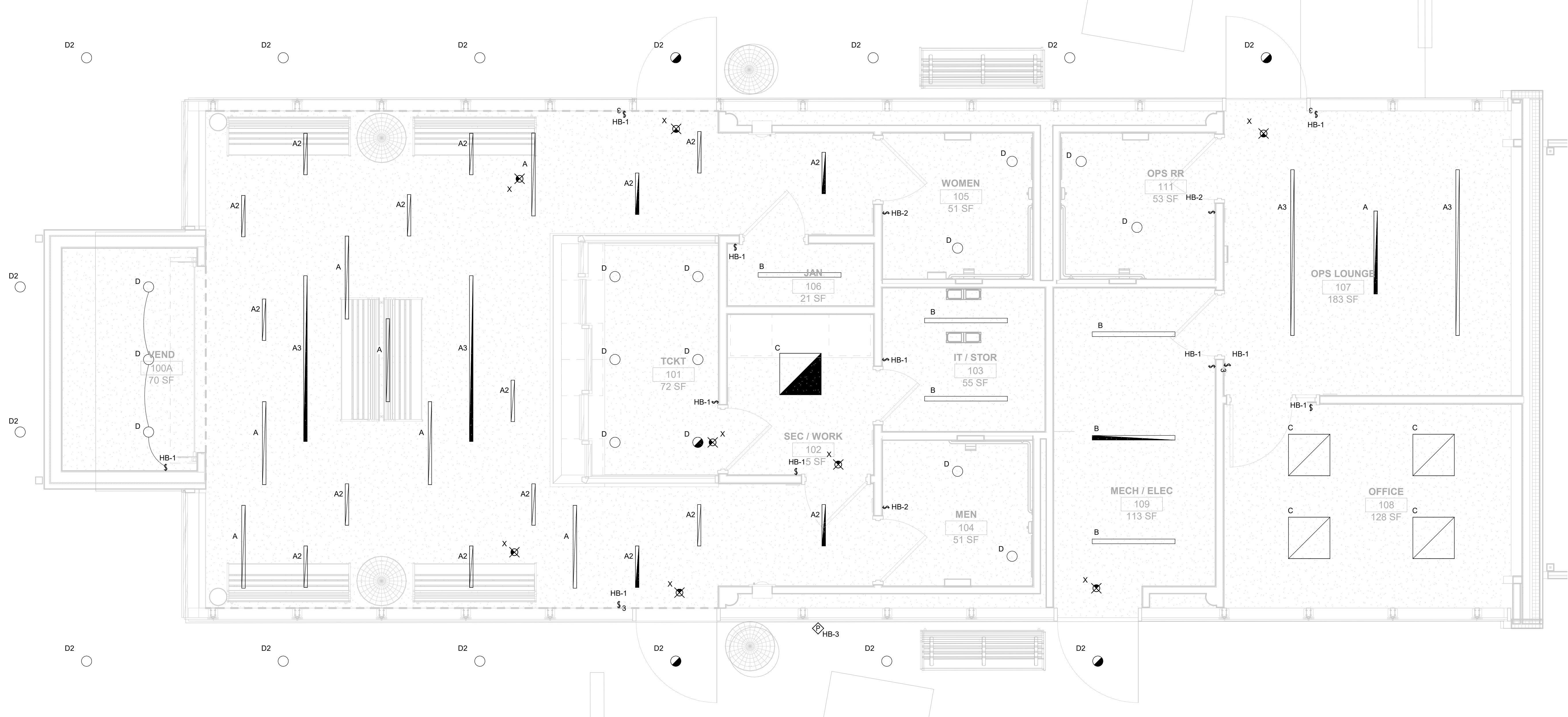
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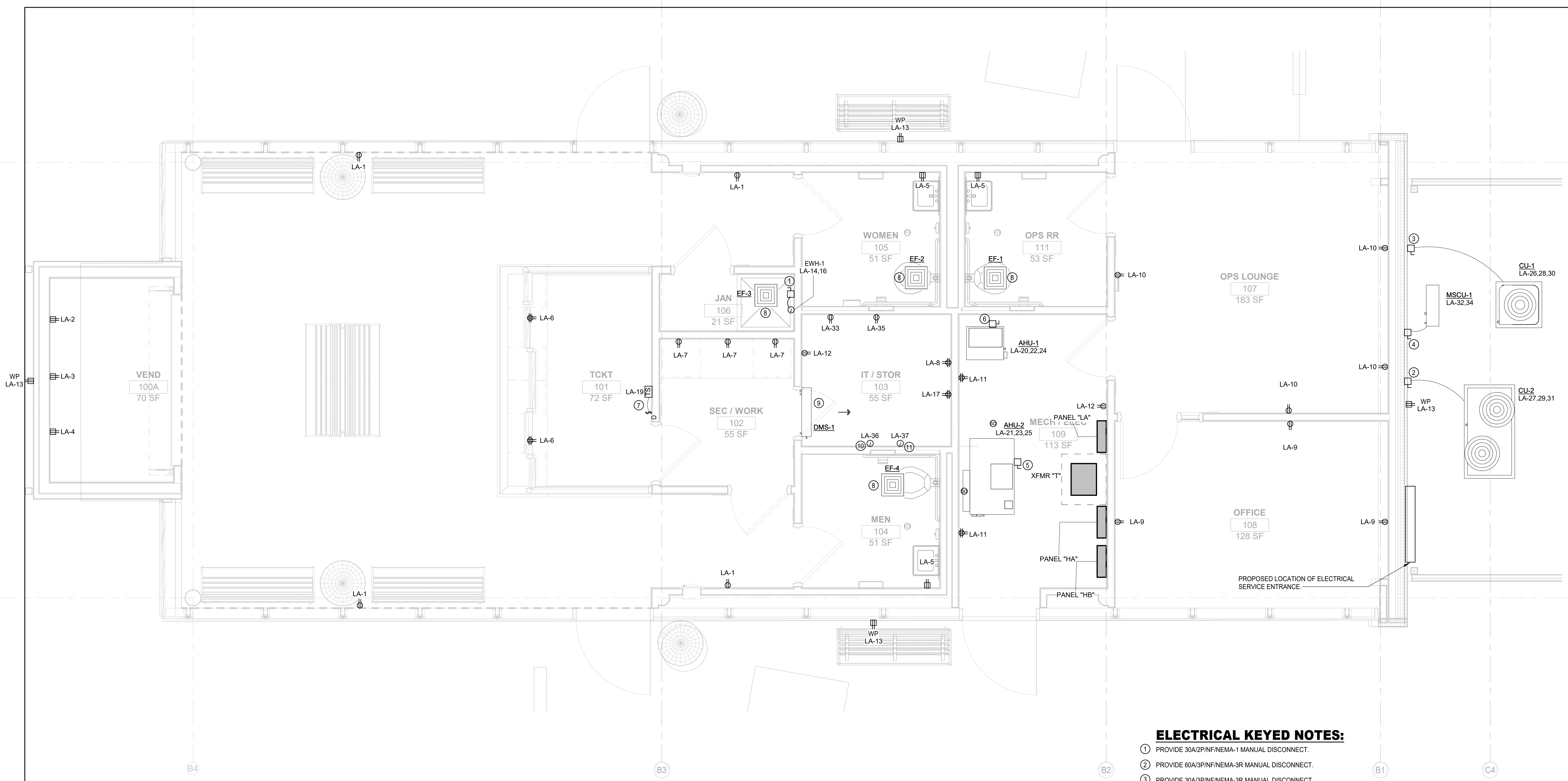




1 FIRST FLOOR LIGHTING PLAN  
 E1.00 3/8" = 1'-0"

Sheet No:	E1.00
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DATE / SHEET	STATE PROJECT
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NO.	DATE
	REVISION DESCRIPTION
	BY
<b>MOVEBR</b>	
ARCHITECTURAL BUILDING - LIGHTING PLAN	
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SHEET	E2.00		
PARISH	EAST BATON ROUGE PARISH		
CITY PROJECT	16-CI-US-0032		
STATE PROJECT			
NO.	DATE	REVISION DESCRIPTION	BY



**FIRST FLOOR POWER PLAN**

E2.00 3/8" = 1'-0"

**ELECTRICAL KEYED NOTES:**

- ① PROVIDE 30A/2P/NF/NEMA-1 MANUAL DISCONNECT.
- ② PROVIDE 60A/3P/NF/NEMA-3R MANUAL DISCONNECT.
- ③ PROVIDE 30A/3P/NF/NEMA-3R MANUAL DISCONNECT.
- ④ PROVIDE 30A/2P/NF/NEMA-3R MANUAL DISCONNECT.
- ⑤ PROVIDE 100A/3P/NF/NEMA-1 MANUAL DISCONNECT.
- ⑥ PROVIDE 60A/3P/NF/NEMA-1 MANUAL DISCONNECT.
- ⑦ PROVIDE LIGHTING TIMECLOCK INTERLOCKED WITH 0-10V MANUAL DIMMER SWITCH FOR SITE LIGHTING FIXTURES. COORDINATE EXACT LOCATION OF SWITCHES PRIOR TO ROUGH-IN.
- ⑧ INTERLOCK EXHAUST FAN WITH NEAREST LIGHTING CIRCUIT.
- ⑨ ROUTE (1) 1" CONDUIT WITH PULLWIRE TO OUTDOOR UNIT FOR POWER AND CONTROLS.
- ⑩ PROVIDE POWER FOR ACCESS CONTROL PANEL. COORDINATE EXACT LOCATION WITH TECH DRAWINGS PRIOR TO ROUGH-IN.
- ⑪ PROVIDE POWER FOR INTRUSION PANEL. COORDINATE EXACT LOCATION WITH TECH DRAWINGS PRIOR TO ROUGH-IN.



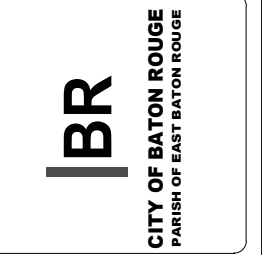
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**ELECTRICAL GENERAL NOTES:  
 (NOTES APPLY TO ALL SHEETS)**

- ALL CONDUCTORS SHALL BE COPPER UNLESS OTHERWISE INDICATED.
- MOUNT ALL RECEPTACLES AT 18" ABOVE FINISHED FLOOR TO CENTER OF THE COVER PLATE UNLESS OTHERWISE INDICATED.
- FOR OUTLETS REQUIRING GFCI PROTECTION WHERE THE RECEPTACLE IS CONCEALED SUCH AS IN THE CASE OF A WATER FOUNTAIN OR VENDING MACHINE INSTALLATION, THE CONTRACTOR SHALL PROVIDE A STANDARD RECEPTACLE WITH GFCI CIRCUIT BREAKER IN THE ASSOCIATED PANEL. BLANK FACE GFCI TEST/RESET BUTTONS ARE NOT PERMITTED UNLESS EXPLICITLY LOCATED ON THESE DRAWINGS.
- FURNISH AND INSTALL ALL EXTERIOR RECEPTACLES WITH WEATHERPROOF COVERS. EXTERIOR RECEPTACLES SHALL BE GFCI TYPE.
- FOR ALL EXTERIOR ELECTRICAL EQUIPMENT, FURNISH AND INSTALL WITH NEMA 3R ENCLOSURES MINIMUM IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THIS REQUIREMENT AND INFORMATION LOCATED ELSEWHERE IN THE ELECTRICAL DOCUMENTS, THE CONTRACTOR SHALL BID ACCORDING TO THE MOST STRINGENT REQUIREMENT.
- IN KITCHENS, BREAK ROOMS AND SIMILAR SPACES, THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DOCUMENTS AND LOCATE ELECTRICAL DEVICES AT LOCATIONS AND ELEVATIONS TO BEST SERVE EACH DEDICATED APPLIANCE.
- VERIFY DOOR SWINGS PRIOR TO INSTALLING LIGHT SWITCHES.
- GANG ALL SWITCHES SHOWN TO BE INSTALLED AT THE SAME LOCATION UNDER A SINGLE COVER PLATE UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO EXIT SIGNS IN CORRIDORS WHERE THERE IS A CHANGE OF CEILING ELEVATION WITH 10-FEET OF THE EXIT SIGN, THE CONTRACTOR SHALL LOCATE THESE EXIT SIGNS SUCH THAT THEY ARE ON THE LOWER CEILING AND VISIBLE THROUGHOUT THE CORRIDOR SEGMENT.
- COORDINATE WITH OTHER DISCIPLINES IN THE FIELD TO ENSURE THAT THE INTEGRITY OF FIRE RATED CONSTRUCTION IS PRESERVED WHERE PENETRATING RATED WALLS AND FLOORS.
- THE CONTRACTOR SHALL ROUTE ALL EXPOSED CONDUIT NEATLY AND TIGHT TO SUPPORTING SURFACES. IN THE EVENT THAT THE OWNER IS NOT SATISFIED WITH WORKMANSHIP, THE CONTRACTOR SHALL MAKE CORRECTIONS AT NO ADDITIONAL COST TO THE OWNER. MC CABLE IS NOT PERMITTED IN EXPOSED AREAS.
- IN THE EVENT THAT THERE IS A DISCREPANCY IN THE MINIMUM CIRCUIT AMPACITY (MCA) AND/OR THE MAXIMUM OVERCURRENT PROTECTION (MOCP) BETWEEN THE DIVISION 26 AND DIVISION 22/23 SCHEDULES, THE CONTRACTOR SHALL BID ACCORDING TO THE MORE STRINGENT REQUIREMENTS.
- MECHANICAL, PLUMBING, AND OTHER EQUIPMENT FURNISHED AND INSTALLED BY OTHER DIVISIONS IS SHOWN ON ELECTRICAL DRAWINGS FOR CIRCUITING PURPOSES ONLY. THE CONTRACTOR SHALL REFER TO OTHER DISCIPLINE CONSTRUCTION DOCUMENTS FOR EXACT LOCATIONS OF EQUIPMENT PRIOR TO ROUGH-IN OF THE ASSOCIATED ELECTRICAL CIRCUITS, DISCONNECTING MEANS, OUTLETS, ETC. AND ADJUST ROUTING AND LOCATIONS ACCORDINGLY.
- LIGHT FIXTURES, ELECTRICAL OUTLETS AND DISCONNECTING MEANS LOCATED IN MECHANICAL ROOMS AND ATTIC SPACES ARE SHOWN FOR QUANTITY AND CIRCUITING PURPOSES ONLY. THE CONTRACTOR SHALL LOCATE LIGHT FIXTURES TO BEST ILLUMINATE WALKING AND WORKING SURFACES, AND LOCATE OUTLETS AND DISCONNECTING MEANS SUCH THAT THEY ARE EASILY ACCESSIBLE FOLLOWING THE INSTALLATION OF ALL DEVICES AND EQUIPMENT IN THESE SPACES.
- ALL MECHANICAL EQUIPMENT SHALL HAVE A RECEPTACLE INSTALLED WITHIN 25-FEET. A SINGLE RECEPTACLE CAN ACCOMPLISH THIS PURPOSE FOR MULTIPLE PIECES OF EQUIPMENT. A RECEPTACLE LOCATED BELOW A LAY-IN CEILING ON THE SAME LEVEL AS A PIECE OF MECHANICAL EQUIPMENT COMPLIES WITH THIS REQUIREMENT. IN THE EVENT THAT FIELD CONDITIONS DICTATE THAT A RECEPTACLE CAN NOT MEET THIS REQUIREMENT FOR ALL OF THE INTENDED PIECES OF EQUIPMENT IN AN AREA ON THE DRAWINGS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL RECEPTACLES AS REQUIRED.
- PROVIDE SYSTEM SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTS OF AIR HANDLING UNITS GREATER THAN 2000 CFM. REFER TO DIVISION 23 SCHEDULES FOR UNITS MEETING THIS REQUIREMENT.
- FOR EACH SMOKE DAMPER OR COMBINATION SMOKE/FIRE DAMPER, PROVIDE A SYSTEM SMOKE DETECTOR AND LOCATE AS REQUIRED. WHERE A SMOKE DAMPER IS INSTALLED WITHIN A DUCT, A SYSTEM SMOKE DETECTOR SHALL BE INSTALLED WITHIN 5' OF THE DAMPER AND LOCATED SUCH THAT THERE ARE NO AIR OUTLETS OR INLETS BETWEEN THE DETECTOR AND DAMPER. WHERE A SMOKE DAMPER IS INSTALLED WITHIN AN UNDUCTED OPENING IN A WALL, A SYSTEM SMOKE DETECTOR SHALL BE INSTALLED WITHIN 5' HORIZONTALLY OF THE DAMPER. WHERE A SMOKE DAMPER IS INSTALLED IN A CEILING, A SYSTEM SMOKE DETECTOR SHALL BE INSTALLED ON THE CEILING WITH 5' OF THE DAMPER.

**SYMBOL SCHEDULE**

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
<b>LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)</b>	
—	LIGHT FIXTURE
—	LIGHT FIXTURE WITH INTEGRAL BATTERY BACKUP
○	DOWNLIGHT FIXTURE
○	LIGHT FIXTURE - WALL MOUNTED
●	DOWNLIGHT FIXTURE WITH INTEGRAL BATTERY BACKUP
○	LIGHT FIXTURE - WALL MOUNTED WITH INTEGRAL BATTERY BACKUP
↔	EXIT LIGHT WITH DIRECTIONAL ARROWS AS REQUIRED

<b>SWITCHES</b>	
§	SINGLE POLE SWITCH
§²	2-POLE SWITCH
§³	3-WAY SWITCH
◇	CEILING MOUNTED OCCUPANCY SENSOR
△	WALL MOUNTED OCCUPANCY SENSOR
TS	LIGHTING TIME SWITCH

<b>RECEPTACLES AND OUTLETS</b>	
Ⓛ	DUPLEX RECEPTACLE
Ⓛ	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
Ⓛ	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
Ⓛ	JUNCTION BOX
Ⓛ	FLUSH FLOOR DUPLEX RECEPTACLE OUTLET
Ⓛ	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE

<b>COMMUNICATION AND FIRE ALARM EQUIPMENT</b>	
◁	SINGLE GANG OUTLET BOX AND TWO PORT COVER PLATE WITH BLANKS W/ EMPTY 1" C. TO ACCESSIBLE AREA ABOVE CEILING

<b>MOTOR CONTROLLERS AND EQUIPMENT</b>	
□	DISCONNECT SWITCH AS REQUIRED
VFD	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 15 AND INSTALLED BY DIVISION 16
M	APPROXIMATE LOCATION OF MOTORIZED DAMPER

<b>ELECTRICAL EQUIPMENT</b>	
—	ELECTRICAL DISTRIBUTION OR PANELBOARD
—	TELEPHONE CABINET
—	PLYWOOD TELEPHONE BACKBOARD
—	DRY TYPE TRANSFORMER

<b>CIRCUITING</b>	
—	CONDUIT
----	CONDUIT BELOW FLOOR, SLAB, OR GRADE

<b>SUBSCRIPTS AND ABBREVIATIONS</b>	
WP	INDICATES WEATHERPROOF
WG	INDICATES WIREGUARD
E	INDICATES EXISTING
TL	INDICATES TWIST LOCK TYPE
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
TV	LOCATE AS REQUIRED FOR MONITOR*
MW	MICROWAVE OUTLET*
DISP	GARBAGE DISPOSAL OUTLET WITH SWITCH, DISPOSAL OUTLET SHALL BE LOCATED BELOW SINK, COORDINATE FINAL MOUNTING LOCATION OF SWITCH WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN
SIGN	BUILDING SIGNAGE*
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES.

- GENERAL NOTE:**
- ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF NEMA-3R MINIMUM.
  - \* INDICATED THAT MOUNTING ELEVATION AND/OR LOCATION SHALL BE COORDINATED WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.

<b>LIGHTING FIXTURE SCHEDULE</b>						
MARK	MANUFACTURER & FIXTURE FAMILY	MOUNTING	NOMINAL WATTAGE	VOLTAGE	NOMINAL DELIVERED LUMENS	REMARKS
A	FOCAL POINT - SEEM	SUSPENDED	24.0 W	277 V	2500 lm	4' LED LINEAR STRIP LIGHT. PROVIDE WITH SUSPENSION HARDWARE.
A2	FOCAL POINT - SEEM	SUSPENDED	12.0 W	277 V	1250 lm	2' LED LINEAR STRIP LIGHT. PROVIDE WITH SUSPENSION MOUNTING HARDWARE.
A3	FOCAL POINT - SEEM	SUSPENDED	48.0 W	277 V	5000 lm	8' LED LINEAR STRIP LIGHT. PROVIDE WITH SUSPENSION MOUNTING HARDWARE.
B	METALUX-SNLED	SUSPENDED	30.0 W	277 V	3800 lm	4' LED STRIP LIGHT WITH SEMI-FROSTED LENS. PROVIDE SUSPENSION HARDWARE AS REQUIRED.
C	METALUX-FP	RECESSED GRID	30.0 W	277 V	3300 lm	2X2 LED FLAT PANEL WITH DRYWALL KIT.
D	METALUX - HC6	RECESSED	15.0 W	277 V	1500 lm	6" ROUND LED DOWNLIGHT WITH WIDE DISTRIBUTION.
D2	METALUX - SMD6	SURFACE	15.0 W	277 V	1200 lm	6" ROUND LED DOWNLIGHT WITH WIDE DISTRIBUTION.
F	MCGRAW EDISON - TT	SURFACE	70.0 W	277 V	10000 lm	EXTERIOR LED CANOPY LIGHT WITH WIDE DISTRIBUTION.
X	METALUX - EUX	WALL/CEILING	1.0 W	120 V		EXIT SIGN WITH RED LETTERS. PROVIDE WITH NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED.

**LIGHTING FIXTURE SCHEDULE NOTES:**

- FIXTURES SHOWN ON THE FLOORPLAN HAVING A DESIGNATION OF "E" FOLLOWING THE BASE DESIGNATION ((I.E. - A FIXTURE TYPE "AE, C2E, FE") AND/OR A HALF SHADED REGION SHALL BE THE BASE FIXTURE TYPE EQUIPPED WITH THE APPROPRIATE BATTERY BACK-UP. BATTERY BACK-UPS SHALL BE INTEGRAL TO THE FIXTURE AND REMOTE SHALL BE SELECTED ONLY IN INSTANCES WHERE IT IS SPECIFIED OR WHEN IT IS THE ONLY AVAILABLE EMERGENCY OPTION. THE LOCATION OF REMOTE BATTERY BACKUPS SHALL BE SELECTED BY THE OWNER/ARCHITECT PRIOR TO INSTALLATION BY THE CONTRACTOR.
- ALL REQUIRED TEST SWITCHES FOR THE BATTERY BACK-UPS SHALL BE INTEGRAL TO THE FIXTURE.
- REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT INDICATED IN THE LIGHTING FIXTURE SCHEDULE. WHERE THERE IS AN INCONSISTENCY BETWEEN THE LIGHTING FIXTURE SCHEDULE AND THE SPECIFICATIONS, THE GREATER QUANTITY OR HIGHER QUALITY OF WORK SHALL BE INCLUDED IN THE PROPOSAL.
- UNLESS OTHERWISE INDICATED ON THE SCHEDULE ABOVE, THE ARCHITECT/OWNER SHALL SELECT ALL FINISHES, COLORS, AND TRIMS.
- ALL LED FIXTURE BOARDS AND DRIVERS SHALL BE OF THE LATEST GENERATION, BASED UPON THE INDIVIDUAL MANUFACTURER'S STATED LITERATURE. IF A "GEN 5" IS AVAILABLE, "GEN 4" FIXTURES ARE NOT ACCEPTABLE.
- EXIT SIGNS AND EMERGENCY BATTERY BACK-UPS SHALL BE CONNECTED TO THE NEAREST LIGHTING CIRCUIT AHEAD OF ALL SWITCHING AS REQUIRED TO MAINTAIN THE BATTERIES AT FULL CHARGE. THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL WIRING AS REQUIRED.
- LIGHTING FIXTURE MANUFACTURERS OTHER THAN THOSE LISTED IN THE LIGHTING FIXTURE SCHEDULE AND DESIRING TO BID THIS PROJECT SHALL REQUEST PRIOR APPROVAL OF THE FIXTURES THEY WISH TO SUBSTITUTE. PRIOR APPROVAL REQUEST SHALL INCLUDE FIXTURE CUT SHEETS.
- FOR PRIOR APPROVALS AND SUBMITTALS THAT DEVIATE FROM NOMINAL WATTAGE AND/OR DELIVERED LUMENS, IT SHALL BE UP THE ENGINEER'S SOLE DISCRETION TO APPROVE OR DECLINE THESE FIXTURES BASED ON ANY AND ALL FACTORS INCLUDING BUT NOT LIMITED TO INTENDED LIGHTING LEVELS FOR EACH SPACE AND IMPACT ON THE OVERALL ELECTRICAL POWER SYSTEM.
- ALL LIGHTING SPECIFIED SHALL BE 3500K INTERIOR & 4000K EXTERIOR UNLESS NOTED OTHERWISE.
- ALL LIGHTING SPECIFIED SHALL HAVE 80CRI MINIMUM UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL PROVIDE ALL HARDWARE AND ACCESSORIES AS REQUIRED TO INSTALL FIXTURES IN LOCATIONS AS ILLUSTRATED WITH MOUNTING METHODS DESIRED.
- WHEN A UNIVERSAL (120-277V) VOLTAGE OPTION IS AVAILABLE, IT SHALL BE PROVIDED. OTHERWISE PROVIDE AS INDICATED IN SCHEDULE.
- FOR ALL SUSPENDED FIXTURES, COORDINATE THE EXACT MOUNTING ELEVATION ABOVE FINISHED FLOOR WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE SUSPENSION HARDWARE IN LENGTHS AS REQUIRED.

**GENERAL LIGHTING NOTES  
 (APPLIES TO ALL LIGHTING SHEETS):**

- CIRCUIT LIGHT FIXTURES TO THE CIRCUIT AS IDENTIFIED NEAR THE ASSOCIATED CONTROLS AND/OR FIXTURE.
- UNLESS OTHERWISE INDICATED, LIGHT FIXTURES SHALL BE CONTROLLED BY THE SWITCH AND/OR OCCUPANCY SENSOR(S) LOCATED IN THE SAME SPACE.
- IN SPACES WITH MORE COMPLEX SWITCHING REQUIREMENTS, LOWERCASE LETTERS NEAR THE FIXTURES AND SWITCHES INDICATE THE CONTROL SCHEME.





**ELECTRICAL SPECIFICATIONS:**

GENERAL

- A. VERIFY ALL JOB SITE AND ARCHITECTURAL PLAN DIMENSIONS. REPORT ALL DISCREPANCIES TO ARCHITECT.
- B. CONTRACTOR SHALL INITIATE CONTACT WITH THE POWER COMPANY (RETAIL SELLER), UTILITY (TRANSMISSION AND DISTRIBUTION) AND OWNER WITHIN 14 DAYS OF NOTICE TO PROCEED TO ENSURE PERMANENT POWER WILL BE AVAILABLE TO THE SITE. AND DELAYS RESULTING FROM LACK OF THIS COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- C. UNLESS OTHERWISE NOTED, CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES AND CHARGES REQUIRED.
- D. VISITING THE SITE: EACH BIDDER SHALL VISIT THE SITE OF THE PROPOSED WORK AND SHALL FULLY INFORM HIMSELF REGARDING THE LOGISTICS AND UTILITIES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR WORK OR MATERIAL OMITTED FROM THE BIDDER'S CONTRACT PROPOSAL DUE TO HIS FAILURE TO SO INFORM HIMSELF BY SUCH INVESTIGATION.
- E. ALL CUTTING AND PATCHING OF ROOF, FLOOR, CEILING AND WALLS SHALL BE COMPLETED BY OR COORDINATED WITH GENERAL CONTRACTOR.
- F. FURNISH AND INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED IN THE CONSTRUCTION DOCUMENTS. ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS TO ALL EQUIPMENT, UNLESS NOTED OTHERWISE.
- G. CONTRACTOR SHALL COMPLY WITH ALL GOVERNING CODES AND ORDINANCES, INCLUDING BUT NOT LIMITED TO NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION AGENCY (NFPA) AND LOCAL AUTHORITY HAVING JURISDICTION (AHJ).

CONDUIT

- A. ALL ELECTRICAL CONDUCTORS SHALL BE INSTALLED IN CONDUIT COMPLYING WITH THE NEC. CONDUIT SHALL BE U.L. LISTED. APPLICABLE USE FOR CONDUIT TYPES AS FOLLOWS:
  - 1. EMT (ELECTRIC METALLIC TUBING) - INTERIOR CONCEALED OR EXPOSED.
  - 2. GRC (GALVANIZED RIGID CONDUIT) - EXTERIOR EXPOSED. UNDERGROUND ELBOWS AND RISES.
  - 3. PVC (POLYVINYL CHLORIDE) - UNDERGROUND OR UNDER SLAB.
  - 4. LIQUIDTIGHT FLEXIBLE METAL CONDUIT - SHALL BE USED AT ALL MOTOR CONNECTIONS OR WHERE MOVEMENT OR VIBRATION IS A CONCERN FOR EXTERIOR EQUIPMENT CONNECTIONS. LENGTH NOT TO EXCEED 3 FEET.
  - 5. FLEXIBLE STEEL CONDUIT - SHALL BE USED WHERE MOVEMENT OR VIBRATION IS A CONCERN FOR INTERIOR EQUIPMENT CONNECTIONS. LENGTH NOT TO EXCEED 3 FEET.
  - 6. MC CABLE (METAL CLAD) - MC CABLE IS PERMITTED AND SHALL COMPLY WITH NEC 330 AND BE INSTALLED IN LOCATIONS APPROVED BY LOCAL AHJ. MC CABLE NOT ALLOWED FOR EQUIPMENT CONNECTIONS. SUPPORT AND BUNDLE NEATLY ABOVE CEILING WITH BRIDLE RINGS OR J-HOOKS.
- B. MINIMUM CONDUIT SIZE, NOT UNDERGROUND OR UNDER SLAB, SHALL BE 1/2 INCH. MINIMUM CONDUIT SIZE FOR UNDERGROUND OR UNDER SLAB SHALL BE 3/4 INCH.
- C. CONDUIT FILL SHALL NOT EXCEED 40% PER NEC.
- D. CONDUIT SHALL BE SUPPORTED FROM BUILDING STRUCTURE, FRAMING, JOIST, ETC. PROVIDE HANGERS, SUPPORTS AND FASTENINGS AS REQUIRED BY NEC. DO NOT SUPPORT FROM ROOF DECK OR SUSPENDED CEILING SYSTEM. IN NO INSTANCE, SHALL CONDUIT BE INSTALLED WITHIN 6 INCHES OF ROOF DECK.
- E. ALL CONDUIT FITTINGS SHALL BE STEEL, SET SCREW OR COMPRESSION TYPE AND U.L. LISTED. PLASTIC BUSHINGS REQUIRED FOR ALL CONDUIT, 1 INCH AND LARGER.

ELECTRICAL BOXES & FITTINGS

- A. INTERIOR OUTLET BOXES: PROVIDE GALVANIZED STEEL WIRING BOXES, OF THE TYPE, SHAPE, AND SIZE, INCLUDING DEPTH OF BOX, TO SUIT RESPECTIVE LOCATIONS AND INSTALLATION. BOXES SHALL HAVE STAMPED KNOCKOUTS IN BACK AND SIDES. PROVIDE APPROPRIATE PLASTER RINGS AND COVERS AS REQUIRED. PROVIDE GANG BOXES WHERE DEVICES ARE SHOWN GROUPED.
- B. EXTERIOR OUTLET BOX: PROVIDE OUTLET BOX FLUSH WITH EXTERIOR WALL AND WITH CAST ALUMINUM WEATHERPROOF COVER. PROVIDE "IN USE" TYPE COVERS WHERE NOTED. SURFACE MOUNT BOXES SHALL BE NEMA 3R CAST ALUMINUM TYPE WITH THREADED CONDUIT HUBS.
- C. FLOOR BOXES: GENERAL USE FLOOR BOXES CAN BE OF PLASTIC CONSTRUCTION, UNLESS NOTED OTHERWISE, WITH METAL TRIMS, FLANGES AND COVERS AS REQUIRED. COORDINATE TRIM FINISHES WITH ARCHITECT. SPECIAL USE BOXES SHALL BE SPECIFIED AS NOTED ON DRAWINGS. SUBMIT ALL BOXES AND ACCESSORIES FOR APPROVAL.
- D. INGROUND PULL/SPLICE BOXES: BOXES SHALL BE CONSTRUCTED OF COMPOSITE POLYMER CONCRETE REINFORCED WITH FIBERGLASS. PROVIDE OPEN BOTTOM BOX COMPLETE WITH COVER AND APPROPRIATE LOGO. UNLESS NOTED OTHERWISE, MINIMUM BOX DIMENSIONS, COVER TYPE AND USE SHALL BE SPECIFIED AS NOTED ON DRAWINGS. ALL BOXES ASSOCIATED WITH UTILITY SERVICES SHALL BE PROVIDED AND INSTALLED PER PROVIDER ENTITY STANDARDS. SUBMIT ALL BOXES AND ACCESSORIES FOR APPROVAL.

INSTALLATION OF BOXES AND FITTINGS

- A. INSTALL ELECTRICAL BOXES AND FITTINGS AS SHOWN AND AS REQUIRED IN COMPLIANCE WITH NEC AND MANUFACTURER'S RECOMMENDATIONS.
- B. JUNCTION/PULL BOXES: BOXES SHALL BE SECURED TO ROOF STRUCTURE. ALL JUNCTION/PULL BOX OPENINGS SHALL BE SIDE OR BOTTOM ACCESSIBLE.
- C. PROVIDE EACH OUTLET/SPLICE BOX WITH A GROUNDING PIGTAIL. FACTORY MANUFACTURED PIGTAIL SHALL HAVE BOLTED CONNECTION TO BOX.
- D. UNLESS NOTED OR DIRECTED OTHERWISE AT INSTALLATION, PLACE OUTLET BOXES AS INDICATED ON ARCHITECTURAL ELEVATIONS AND AS REQUIRED BY LOCAL CODES.
- E. OUTLETS ABOVE COUNTERS: MOUNT LONG AXIS HORIZONTALLY. REFER TO ARCHITECTURAL ELEVATIONS AND COORDINATE TO CLEAR BACKSPASH AND MILLWORK.
- F. BOXES FOR ANY CONDUIT SYSTEM SHALL NOT BE SECURED TO SUSPENDED CEILING SYSTEM, HVAC DUCTWORK OR PIPING SYSTEMS.
- G. PROVIDE JUNCTION AND PULL BOXES FOR FEEDERS AND BRANCH CIRCUITS WHERE SHOWN AND/OR WHERE REQUIRED BY NEC.
- H. ALIGN ADJACENT WALL MOUNTED OUTLETS, UNLESS NOTED OTHERWISE.
- I. ALL BOXES SHALL BE ACCESSIBLE AS PER NEC. IF A BOX IS REQUIRED ABOVE INACCESSIBLE CEILING, COORDINATE USE OF AN ACCESS PANEL WITH ARCHITECT.
- J. OUTLET BOX SUPPORTS: OUTLET BOXES SHALL UTILIZE MOUNTING BRACKETS FOR INSTALLATION IN STUD WALLS AND WHERE FLUSH WITH CEILINGS. PROVIDE BRACKET OF THE TYPE THAT SHALL BE FASTENED ON EACH END.

PANELBOARDS

- A. GENERAL: ALL PANELBOARDS SHALL BE DEAD-FRONT SAFETY-TYPE EQUIPPED WITH MOLDED CASE CIRCUIT BREAKERS AS SHOWN AND SCHEDULED. ALL PANELBOARDS SHALL HAVE COPPER BUSSES. LOAD CENTER CONSTRUCTION IS NOT ACCEPTABLE. PROVIDE ENGRAVED TAG DENOTING PANEL NAME.
- B. CIRCUIT BREAKERS: CIRCUIT BREAKERS SHALL BE MOLDED CASE, THERMAL MAGNETIC TYPE PROVIDED WITH INDIVIDUALLY INSULATED, BRACED, AND BOLTED CONNECTIONS. THE FRONT FACES OF CIRCUIT BREAKERS SHALL BE FLUSH WITH EACH OTHER. TRIPPED INDICATION SHALL BE SHOWN BY THE BREAKER HANDLE TAKING A POSITION BETWEEN ON AND OFF. MAKE PREPARED SPACE PROVISIONS FOR ADDITIONAL BREAKERS SUCH THAT NO ADDITIONAL HARDWARE WILL BE REQUIRED TO ADD BREAKERS. TWO AND THREE POLE BREAKERS SHALL HAVE INTERNAL COMMON TRIPS AND FACTORY EXTERNAL HANDLE. ALL ADJUSTABLE TRIP CIRCUIT BREAKERS REQUIRE A COORDINATION STUDY TO DETERMINE AND DOCUMENT TRIP SETTINGS. ALL CIRCUIT BREAKER SHALL BE PROVIDED WITH AIC BRACING EQUAL TO OR GREATER THAN THAT OF THE PANELBOARD RATING. SERIES RATED BREAKERS NOT ALLOWED.
- C. PANELBOARD ENCLOSURES: PROVIDE SHEET STEEL ENCLOSURES. NEMA TYPE AS SCHEDULED, MINIMUM 16-GAUGE NOMINAL THICKNESS. PANELBOARDS 800 AMPS AND BELOW PROVIDE FRONTS WITH HINGED DOOR IN DOOR TYPE. INTERIOR HINGED TRIM AND FLUSH LOCK AND KEY. ALL PANELBOARD ENCLOSURES SHALL BE KEVED ALIKE AND SHALL MATCH THE OWNER'S STANDARD KEY SYSTEM IF APPLICABLE. COORDINATE WITH OWNER. ENCLOSURE SHALL BE RECESSED OR SURFACE MOUNTED AS SCHEDULED. ENCLOSURES SHALL BE FABRICATED BY THE SAME MANUFACTURER AS PANELBOARDS INTERIORS. MULTI-SECTION PANELBOARDS SHALL HAVE SAME PHYSICAL DIMENSIONS AND BE PROVIDED WITH FEED-THRU TYPE LUGS IN SECTION 1. PROVIDE WITH INTERIOR CIRCUIT DIRECTORY FRAME. PROVIDE THREE 1 INCH CONDUITS TO ACCESSIBLE CEILING SPACE FOR ALL RECESSED PANELS.
- D. DIRECTORY: PROVIDE A TYPED CIRCUIT DIRECTORY CARD AND CLEAR PLASTIC COVERING UPON COMPLETION OF WORK. DIRECTORY CARD SHALL BE OF SUPER HEAVY-WEIGHT INDEX CARD STOCK, 110 LB, WHITE. DIRECTORY SHALL INCLUDE TYPE OF LOAD (IE: RECEPTACLES, LIGHTING, EF-1, ETC.) AND LOCATION (IE: ROOM 102, OFFICE, ETC.) ROOM NUMBER SHALL BE IDENTIFIED AS THE ACTUAL ROOM NUMBER ASSIGNED TO THE SPACE AND NOT THE ROOM NUMBER IDENTIFIED ON THE PLANS. CIRCUITS WITH SHUNT TRIP SHALL BE IDENTIFIED WITH THE CONTROL CIRCUIT OPERATING THE SHUNT TRIP (IE: KITCHEN HOOD NO. 2). SHUNT TRIP BREAKERS WITH COMMON TRIP CIRCUIT SHALL BE GROUPED TOGETHER IN THE PANELBOARD (IE: CIRCUITS 1, 3, & 5). DISTRIBUTION PANELS - PROVIDE ENGRAVED LABELS WITH TYPICAL BRANCH CIRCUIT INFORMATION PER EACH CIRCUIT.
- E. CLEARANCE: ALL PANELBOARDS SHALL BE INSTALLED WITH MINIMUM REQUIRED FORWARD AND HORIZONTAL WORKING CLEARANCES PER NEC. THERE SHALL BE NO EQUIPMENT OTHER THAN CONDUIT, CONDUCTORS AND OTHER APPURTENANCES RELATING TO THE PANELBOARD INSTALLATION LOCATED WITHIN THE FOOTPRINT OF THE PANELBOARD EXTENDING UPWARDS TO THE STRUCTURE.

TRANSFORMERS

- A. GENERAL: ALL INDOOR TRANSFORMERS SHALL BE DRY-TYPE MULTIPLE-WINDING TRANSFORMERS RATED AS SHOWN AND SHALL HAVE MANUFACTURER'S STANDARD IMPEDANCE. WINDINGS SHALL BE CONSTRUCTED OF STEEL. PROVIDE ENGRAVED TAG DENOTING TRANSFORMER NAME.
- B. TEMPERATURE RATINGS: MAXIMUM WINDING TEMPERATURE OF 150 DEGREE C. RISE WITH INSULATION CLASSIFICATION OF 220 DEGREE C.
- C. LOAD RATING: TRANSFORMERS SHALL BE CAPABLE OF OPERATING AT 100% OF NAMEPLATE RATING CONTINUOUSLY WHILE IN AN AMBIENT TEMPERATURE NOT EXCEEDING 40 DEGREE C.
- D. TRANSFORMERS SHALL BE FLOOR MOUNTED ON CONCRETE HOUSEKEEPING PADS UNLESS NOTED OTHERWISE. CONCRETE PADS SHALL BE 6 INCHES THICK MINIMUM INDOORS AND 8 INCHES THICK OUTDOORS. CHAMFER STRIPS AT EDGES AND CORNER OF FORMS. PAD SHALL EXTEND 3 INCHES MINIMUM BEYOND THE PERIMETER OF EQUIPMENT. CONCRETE PAD SHALL BE FORMED WITH 6 INCH x 6 INCH #6 WIRE REINFORCEMENT MESH.
- E. TRANSFORMERS SHALL BE INSTALLED SUCH THAT THERE IS A MINIMUM 6 INCH CLEARANCE ON ALL FOUR SIDES OF THE TRANSFORMER.

CONDUCTORS

- A. ALL CONDUCTORS SHALL BE COPPER, UNLESS NOTED OTHERWISE. SOLID OR STRANDED CONDUCTORS ALLOWED. WIRE SHALL HAVE TYPE "THHN" OR "THWN" INSULATION.
- B. MINIMUM WIRE SIZE, EXCEPT FOR CONTROL WIRING, SHALL BE #12 AWG.
- C. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE SUPPLIED IN EVERY BRANCH CIRCUIT. THE GROUND CONDUCTOR SHALL BE COPPER AND SIZED PER NEC 250.122, UNLESS SIZED ON DRAWINGS.
- D. NO MORE THAN SIX CURRENT CARRYING CONDUCTORS PER EACH RACEWAY. IF APPLICATION REQUIRES MORE THAN SIX, DERATE PER NEC 310.15(B)(3)(a).
- E. FEEDER CONDUCTORS SHALL RUN THEIR ENTIRE LENGTH WITHOUT SPLICE. COORDINATE FEEDER TERMINATIONS WITH ASSOCIATED EQUIPMENTS LUGS.

WIRING DEVICES

- A. RECEPTACLES: COMMERCIAL SPECIFICATION GRADE RECEPTACLES, NEMA CONFIGURATION AS INDICATED. COORDINATE STYLE OF RECEPTACLE TO BE PROVIDED WITH ARCHITECT.
  - 1. 20A, 125V GROUNDED DUPLEX DECORA, NEMA 5-20R; LEVITON16352 OR EQUAL.
  - 2. 20A, 125V GROUNDED DUPLEX, NEMA 5-20R; LEVITON5362 OR EQUAL.
  - 3. SPECIAL RECEPTACLES AS NOTED ON DRAWINGS.
- B. GROUND FAULT CIRCUIT INTERRUPTER (GFCI): INSTALL A GFCI DEVICE AT EACH LOCATION SHOWN AND ADDITIONALLY PROVIDE A GFCI DEVICE WITHIN 25' OF ALL EQUIPMENT MOUNTED OUTDOORS AND/OR ON ROOFS. PROVIDE WR RATED GFCI RECEPTACLE WITH WEATHERPROOF COVER AT ALL EXTERIOR LOCATIONS. DO NOT USE FEED THROUGH FEATURE FOR GFCI DEVICES. GFCI CIRCUIT BREAKERS ALLOWED ONLY WHERE INDICATED.
  - 1. INTERIOR: 20A, 125V GFCI, NEMA 5-20R, LEVITON/GFWT2 OR EQUAL.
  - 2. EXTERIOR: 20A, 125V GFCI, WEATHER RESISTANT, NEMA 5-20R LEVITON/GFWT2 OR EQUAL.
- C. WALL SWITCHES: COMMERCIAL SPECIFICATION GRADE 20 AMP TOGGLE SWITCHES WITH MOUNTING YOKE INSULATED FROM MECHANISM, PLASTER EARS AND SIDE OR REAR WIRED SCREW TERMINALS.
  - 1. SINGLE POLE, 120/277V; LEVITON54521 OR EQUAL.
  - 2. DOUBLE POLE, 120/277V; LEVITON54522 OR EQUAL.
  - 3. THREE WAY, 120/277V; LEVITON54523 OR EQUAL.
  - 4. FOUR WAY, 120/277V; LEVITON54524 OR EQUAL.
- D. INSTALL SWITCHES ON THE STRIKE SIDE OF DOORS A HUNG. ORIENTATE SWITCHES SUCH THAT THE UP POSITION CLOSES THE CIRCUIT. WHERE MORE THAN ONE SWITCH IS IN THE SAME LOCATION, INSTALL ALL IN A MULTI-GANG BOX WITH A SINGLE COVER PLATE.
- E. DEVICE COVER PLATES:
  - 1. INTERIOR - HIGH IMPACT NYLON.
  - 2. BLOCK OR MASONRY WALLS (INTERIOR) - SATIN FINISH TYPE 302 STAINLESS STEEL, JUMBO, UNLESS NOTED OTHERWISE.
  - 3. SURFACE MOUNT (INTERIOR) - COVER SHALL BE 4" SQUARE RAISED TYPE TO MATCH DEVICE.
- F. FINISHES SELECTED BY ARCHITECT OR OWNER. DEVICE AND ASSOCIATED COVER FINISHES SHALL MATCH, UNLESS NOTED OTHERWISE.
- G. PROVIDE A COVERPLATE OR BLANK COVER FOR EVERY OUTLET (INCLUDING TELE/COMM).
- H. MOUNTING HEIGHTS OF ALL WIRING DEVICES SHALL COMPLY WITH CURRENT ACCESSIBILITY STANDARDS AND LOCAL CODES AS APPLICABLE. OTHERWISE MOUNT AS NOTED ON DRAWINGS.
- I. REFER TO ARCHITECTURAL DRAWING, ELEVATIONS, ETC. FOR COORDINATION OF WIRING DEVICE LOCATIONS. COORDINATE WITH OTHER SPECIALTY ITEMS, EQUIPMENT AND MILLWORK TO AVOID CONFLICTS. COORDINATE WITH ALL TRADES TO AVOID CONFLICTS PRIOR TO ROUGH-IN.
- J. PROVIDE PIGTAIL TO EACH DEVICE (PHASE, NEUTRAL AND GROUND). CONDUCTORS SHALL BE INSTALLED USING SIDE OR REAR ENTRY LUGS. DO NOT WRAP STRANDED CONDUCTORS AROUND SCREW TERMINALS. EQUIPMENT GROUND SHALL BOND TO ROUGH-IN BOX VIA GREEN THREADED SCREW.
- K. OCCUPANCY SENSORS: FURNISH THE TYPE AND QUANTITY AS REQUIRED TO MEET THE CONTROLS INTENT AS INDICATED ON DRAWINGS. THE CONTRACTOR SHALL ADJUST OCCUPANCY SENSOR FINAL LOCATIONS AS REQUIRED TO CONFORM TO THE FURNISHED OCCUPANCY SENSOR COVERAGE PATTERNS.
- L. DIMMERS: PROVIDE DIMMERS OF THE TYPE, SIZE AND VOLTAGE REQUIRED FOR PROPER OPERATION OF ASSOCIATED FIXTURE(S) BEING CONTROLLED.

DISCONNECT SWITCHES

- A. GENERAL: PROVIDE HEAVY DUTY TYPE DISCONNECT SWITCHES OF THE TYPE, MOUNTING AND SIZE INDICATED. SWITCHES SHALL BE RATED FOR THE VOLTAGE OF THE ASSOCIATED CIRCUIT BEING SERVED. SWITCHES USED AS MOTOR DISCONNECTS SHALL BE HORSEPOWER RATED FOR THE MOTOR SERVED. PROVIDE SOLID NEUTRAL CONNECTION VIA INSULATED LUG WHERE APPLICABLE. PROVIDE ENGRAVED TAG DENOTING EQUIPMENT SERVED.
- B. ENCLOSURES:
  - 1. INTERIOR GENERAL USE - NEMA 1, STEEL, UNLESS NOTED OTHERWISE.
  - 2. INTERIOR WET LOCATION (KITCHEN, FOOD PREPARATION, HOSE DOWN AND CORROSIVE AREA, ETC.) - NEMA 4X, STAINLESS STEEL.
  - 3. EXTERIOR GENERAL USE - NEMA 3R, STEEL, UNLESS NOTED OTHERWISE.
- C. SUPPORTS: PROVIDE ALL SWITCHES WITH GALVANIZED STEEL RACK WHERE MOUNTING ON WALL OR OTHER RIGID SURFACE IS IMPRACTICAL. SWITCHES SHALL NOT BE SUPPORTED BY CONDUIT ALONE. SWITCHES ARE NOT ALLOWED TO MOUNT ON EQUIPMENT. DO NOT UTILIZE DRIVE PIN THROUGH ENCLOSURE OR PLASTIC ANCHORS. SWITCHES SHALL ADHERE TO CODE REQUIRED WORKING SPACE AND SHALL BE READILY ACCESSIBLE.

LIGHTING FIXTURES AND LAMPS

- A. WORK INCLUDED: PROVIDE LIGHTING FIXTURE WORK AS SHOWN, SCHEDULED AND SPECIFIED.
- B. QUALITY ASSURANCE:
  - 1. PROVIDE LED FIXTURES THAT COMPLY WITH THE DESIGN LIGHTS CONSORTIUM (DLC) STANDARDS AND ARE DLC LISTED. FIXTURES SHALL HAVE MINIMUM 5-YEAR REPLACEMENT WARRANTY OR LED DRIVER AND LIGHT ENGINE.
  - 2. PROVIDE FLUORESCENT FIXTURES WITH BALLASTS THAT COMPLY WITH CERTIFIED BALLAST MANUFACTURERS ASSOCIATED (CBM) STANDARDS AND CARRY THE CBM MARK ON THE LABEL.
  - 3. PROVIDE HID FIXTURES WITH BALLASTS DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ANSI STANDARDS.
  - 4. FIXTURES SHALL CONFORM TO APPLICABLE U.L. STANDARDS AND BE U.L. OR ETL LISTED.
  - 5. EMERGENCY FIXTURES SHALL CONFORM TO THE REQUIREMENTS OF NFPA 101, NFPA 70 (NEC) AND SHALL BE UL924 CODE COMPLIANT.
  - 6. ALL ASPECTS OF LIGHTING SHALL ADHERE TO ENERGY CODE COMPLIANCE.
- C. FIXTURE TYPES:
  - 1. EMERGENCY/EGRESS FIXTURE (EXIT SIGNS & EMERGENCY LIGHTING UNITS) - PROVIDE FIXTURES WITH BATTERY DESIGNED TO ILLUMINATE A MINIMUM OF 90 MINUTES UPON LOSS OF POWER. FIXTURES SHALL HAVE SELF DIAGNOSTICS FEATURE. EXIT FIXTURE DIRECTIONAL ARROWS ORIENTATION SHALL COORDINATE WITH ARCHITECTURAL EGRESS PLAN. PROVIDE AN UN-SWITCHED HOT CONDUCTOR, FROM LOCAL LIGHTING CIRCUIT, TO ALL BATTERY POWERED EGRESS FIXTURES.
  - 2. LAY-IN TROFFER FIXTURES - PROVIDE LOUVERS, LENSES, REFLECTORS AS SCHEDULED. ACRYLIC PANEL STYLE LENSES SHALL BE .125 INCH THICK MINIMUM, PROVIDE TWO TIE WIRES AT OPPOSITE CORNERS OF EACH FIXTURE TO STRUCTURE.
  - 3. RECESSED DOWNLIGHT FIXTURES: PROVIDE FIXTURES WITH HOUSING AND TRIM RING COMPATIBLE WITH CEILING PER ARCHITECTURAL FINISH SCHEDULE. COORDINATE TRIM FINISH WITH ARCHITECT. WHERE INSTALLED IN GRID CEILING, PROVIDE TWO TIE WIRES AT OPPOSITE CORNERS OF EACH FIXTURE TO STRUCTURE.
  - 4. EXTERIOR FIXTURES - HOUSINGS SHALL BE ALUMINUM OR STAINLESS STEEL. FIXTURES SHALL BE U.L. LISTED FOR WET LOCATION. FINAL AIMING OF ADJUSTABLE FLOOD FIXTURES SHALL BE DONE AT NIGHT AND APPROVED BY THE ARCHITECT AND OWNER. FIXTURE PEDESTAL/FOUNDATION IS THE RESPONSIBILITY OF THE CONTRACTOR
- D. INSTALLATION:
  - 1. STANDARDS - COMPLY WITH NEMA STANDARDS, NECA STANDARDS OF INSTALLATION AND APPLICABLE REQUIREMENTS OF NEC.
  - 2. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATIONS.
  - 3. INSTALL FIXTURES SUCH THAT ILLUMINATION IS NOT OBSTRUCTED. COORDINATE DISCREPANCIES WITH ENGINEER PRIOR TO INSTALLATION.
  - 4. INSTALL ALL FIXTURES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.
  - 5. IN NO INSTANCE SHALL FIXTURES BE SUPPORTED BY SUSPENDED CEILING GRID OR ASSOCIATED SUPPORTS
  - 6. PENDANTS SHALL BE SUPPORTED TO BUILDING STRUCTURE. DO NOT SUPPORT VIA CONDUIT SYSTEM.
  - 7. PROVIDE 6 FEET LONG FIXTURE WHIPS (MC CABLE) ABOVE ACCESSIBLE CEILINGS WHERE APPLICABLE. "DAISY CHAIN" METHOD IS PROHIBITED. AT INACCESSIBLE SPACE, USE JUNCTION BOX FURNISHED WITH LIGHT FIXTURE LISTED FOR THROUGH WIRING VIA USE OF CONDUIT.

Sheet No:	E5.00
EAST BATON ROUGE PARISH	16-CI-US-0032
PARISH PROJECT	STATE PROJECT
DESIGNED / OK / CHECKED / TK	DATE / SHEET / E5.00
DETAILED / CP / CHECKED / TK	10/03/2022
	BY
	REVISION DESCRIPTION
	DATE
	NO.



ARCHITECTURAL ELECTRICAL SPECIFICATIONS NORTH TRANSIT CENTER



05/23/2023

**SALAS O'BRIEN**  
[ expect a difference ]

2380 Towne Center Boulevard, Suite 1210  
Baton Rouge, Louisiana 70806  
225.766.8002 | Registration No. 2964  
SALAS O'BRIEN Project No. 2022-01991



TECHNOLOGY LEGEND				
SYMBOL	DESCRIPTION	ELEVATION	BACK BOX/RACEWAY	NOTES
#	WALL MOUNTED NETWORK OUTLET # - NUMBER OF DATA DROPS IN OUTLET AP - WIRELESS ACCESS POINT	+18" AFF, UNLESS OTHERWISE NOTED	4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	WIRELESS ACCESS POINT - PROVIDE (1) CAT-6A CABLES
V#	COMMUNICATIONS OUTLET	FIELD COORDINATE	FIELD COORDINATE	
W	WALL MOUNTED NETWORK OUTLET	+44" AFF	4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
B	WALL MOUNTED BOX FOR FUTURE USE	+18" AFF UNO	4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
D#	FLOOR MOUNTED NETWORK OUTLET	N/A	COORDINATE WITH ELECTRICAL CONTRACTOR	FINISHED HARDWARE PROVIDED BY DIV 27
#	CEILING MOUNTED NETWORK OUTLET AP - WIRELESS ACCESS POINT D#: NETWORK OUTLET	ABOVE CEILING	CEILING BRACKET WITH BISCUIT BLOCK	WIRELESS ACCESS POINT - PROVIDE (1) CAT-6A CABLES

NOTES:  
1. #G INDICATES BACK BOX SIZE.  
2. #C INDICATES CONDUIT SIZE.  
3. UNO: UNLESS NOTED OTHERWISE  
4. CONDUIT STUB UP AND SLEEVES SHALL HAVE A SOLID UN CUT PLASTIC PROTECTIVE BUSHING.  
5. NO CONDUITS SHALL EXCEED FOR 40% MAXIMUM FILL RATIO. CONTRACTOR TO PROVIDE ADDITIONAL CONDUITS REQUIRED.

ACCESS CONTROL LEGEND				
SYMBOL	DESCRIPTION	ELEVATION	BACK BOX/RACEWAY	NOTES
ACP	ACCESS CONTROL SYSTEM, CONTROL PANEL.	+60" AFF TO CENTER	AS REQUIRED	COORDINATE POWER. NOTE #4.
CR#	ACCESS CONTROL PROXIMITY CARD READER "W" - INDICATES WALL MOUNTED READER "M" - INDICATES MULLION MOUNTED READER	+42" A.F.F.	1-G, 3/4" C	
CR	DOOR MOUNTED ACCESS CONTROL PROXIMITY CARD READER THAT IS INTEGRATED INTO THE DOOR HARDWARE.	+42" AFF	N/A	
DS#	2-WAY AUDIO/VIDEO INTERCOM DOOR STATION. "W" - INDICATES WALL MOUNTED READER "M" - INDICATES MULLION MOUNTED READER	+42" AFF	"W": 1-G, 3/4" C "M": 3/4" C	COORDINATE POWER. NOTE #4.
DS	DOOR MOUNTED, 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION.	+42" AFF, FIELD COORDINATE		COORDINATE POWER. NOTE #4
MS	2-WAY AUDIO/VIDEO INTERCOM MASTER STATION.	DESK MOUNTED UNO		COORDINATE POWER. NOTE #4
DR	DOOR RELEASE BUTTON	COORDINATE WITH EC	1-G, 3/4" C	
REX	PIR MOTION REQUEST TO EXIT DEVICE			
DP	DOOR PROP ALARM	CEILING MOUNTED UNO	N/A	N/A
DC	DPDT MAGNETIC DOOR CONTACT/DOOR POSITION SENSOR.	FLUSH MOUNTED IN DOOR FRAME	N/A	PROVIDED BY ACS CONTRACTOR.
RFID	VEHICLE RFID TAG READER.		FIELD COORDINATE RACEWAYS AND BACK BOXES	PROVIDE NECESSARY EQUIPMENT FOR A FULLY FUNCTIONAL VEHICLE ENTRY POINT

NOTES:  
1. #G INDICATES BACK BOX SIZE.  
2. #C INDICATES CONDUIT SIZE.  
3. UNO: UNLESS NOTED OTHERWISE  
4. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

INTERCOM LEGEND				
SYMBOL	DESCRIPTION	ELEVATION	BACK BOX/RACEWAY	NOTES
ICS	INTERCOM COMMUNICATIONS SYSTEM HEAD END UNIT.	FLOOR MOUNTED	COORDINATE WITH EC	COORDINATE POWER WITH EC
S	CEILING MOUNTED INTERCOM SPEAKER, LAY-IN CEILING	CEILING	CONTRACTOR PROVIDED	
S2	CEILING MOUNTED INTERCOM SPEAKER, HARD CEILING.	CEILING	CONTRACTOR PROVIDED	
S3	WALL MOUNTED INTERIOR INTERCOM SPEAKER	REFERENCE FLOOR PLANS	CONTRACTOR PROVIDED	
S4	WALL MOUNTED EXTERIOR INTERCOM SPEAKER	+10" AFF UNO	CONTRACTOR PROVIDED	
#IP	IP BASED SPEAKER. # TO BE REPLACED WITH S, S2, S3, S4 INDICATING THE SPECIFIC TYPE OF SPEAKER.	REFERENCE FLOOR PLANS	CONTRACTOR PROVIDED	NOTE #5
VC	WALL MOUNTED VOLUME CONTROL	+48" AFF	4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
CB	INTERCOM CALL BUTTON	+48" AFF	4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
C	SINGLE FACE CLOCK	REFERENCE FLOOR PLANS	4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
C2	DOUBLE FACE CLOCK	REFERENCE FLOOR PLANS	4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
RPS	REMOTE PROGRAM SOURCE	DESK TOP	COORDINATE WITH EC	NOTE #5
ACS	ADMINISTRATIVE CALL STATION.	DESK TOP	N/A	NOTE #5
LD	LOCKDOWN BUTTON	+48" AFF	4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	

NOTES:  
1. #G INDICATES BACK BOX SIZE.  
2. #C INDICATES CONDUIT SIZE.  
3. UNO: UNLESS NOTED OTHERWISE  
4. THE SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE PROJECTS ELECTRICAL CONTRACTOR.  
5. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

INTRUSION LEGEND				
SYMBOL	DESCRIPTION	ELEVATION	BACK BOX/RACEWAY	NOTES
IDP	INTRUSION DETECTION SYSTEM CONTROL PANEL	+60" AFF	TWO(2) - 1" TO CONTRACTOR PROVIDED BACK BOX	COORDINATE POWER WITH EC, NOTE #5
IKP	INTRUSION DETECTION SYSTEM KEYPAD.	+48" AFF TO TOP	4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
MD	CEILING MOUNTED MOTION DETECTOR	CEILING		
ML	WALL MOUNTED MOTION DETECTOR LR- LONG RANGE	REFERENCE FLOOR PLAN	N/A	
GB	CEILING MOUNTED GLASS BREAK DETECTOR	CEILING	N/A	
DC	DPDT MAGNETIC DOOR CONTACT/DOOR POSITION SENSOR.	FLUSH MOUNTED IN DOOR FRAME	N/A	DEVICE PROVIDED BY ACS CONTRACTOR.
SDC	SURFACE MOUNT MAGNETIC DOOR CONTACT.	SURFACE MOUNTED ON DOOR FRAME	N/A	
ODC	OVERHEAD DOOR MOUNT MAGNETIC DOOR CONTACT.	SURFACE MOUNTED ON DOOR FRAME	N/A	
DB	DURESS PANIC BUTTON	UNDER DESK UNO	N/A	

NOTES:  
1. #G INDICATES BACK BOX SIZE.  
2. #C INDICATES CONDUIT SIZE.  
3. UNO: UNLESS NOTED OTHERWISE  
4. REFERENCE DIVISION 28 SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.  
5. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

ADDITIONAL SYMBOLS				
SYMBOL	DESCRIPTION	ELEVATION	BACK BOX/RACEWAY	NOTES
FF	FURNITURE FEED			
ZUC	2 PORT USB CHARGING OUTLET		4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	

NOTES:  
1. #G INDICATES BACK BOX SIZE.  
2. #C INDICATES CONDUIT SIZE.  
3. UNO: UNLESS NOTED OTHERWISE  
4. THE SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE PROJECTS ELECTRICAL CONTRACTOR.  
5. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

VIDEO SURVEILLANCE LEGEND				
SYMBOL	DESCRIPTION	ELEVATION	BACK BOX/RACEWAY	NOTES
W/C	WALL/CORNER MOUNT 4-SENSOR CAMERA	REFERENCE FLOOR PLANS	4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	NOTE #5
C	CEILING MOUNTED 4-SENSOR CAMERA	CEILING		NOTE #5
2	2-SENSOR CAMERA	REFERENCE FLOOR PLANS	4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	NOTE #5
1	1-SENSOR CAMERA	REFERENCE FLOOR PLANS	4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C	
VRS	VIDEO RECORDING SERVER			
MU	VIDEO SURVEILLANCE MAIN UNIT	ABOVE CEILING		NOTE #5

NOTES:  
1. #G INDICATES BACK BOX SIZE.  
2. #C INDICATES CONDUIT SIZE.  
3. UNO: UNLESS NOTED OTHERWISE  
4. THE SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE PROJECTS ELECTRICAL CONTRACTOR.  
5. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

SUBSCRIPTS AND ABBREVIATIONS	
TEXT	DESCRIPTION
WP	DEVICE SHALL BE WEATHER PROOF AND RATED FOR EXTERIOR CONDITIONS
•	FIELD COORDINATE ELEVATION.
AFF	ABOVE FINISHED FLOOR
UC	DEVICE IS TO BE MOUNTED ON THE UNDERSIDE OF THE ELEVATED CANOPY.

SUBSCRIPTS LEGEND - EXISTING DEVICES	
TEXT	DESCRIPTION
E	EXISTING TO REMAIN.
D	DEVICE IS EXISTING AND IS TO BE REMOVED. CONTRACTOR TO REMOVE THE DEVICE AND RETURN TO OWNER
RR	REMOVE EXISTING DEVICE AND RELOCATE TO A LOCATION INDICATED ON THE DRAWINGS.

NOTES TO CONTRACTOR	
1.	EVERY SYMBOL SHOWN ON LEGEND MAY NOT APPEAR ON DRAWINGS.
2.	SYSTEM INSTALLERS SHALL COORDINATE LOCATIONS AND CONNECTIONS WITH THE PROJECT'S ELECTRICAL CONTRACTOR.
3.	CONTRACTOR TO PROVIDE PROPERLY GROUNDED LIGHTING PROTECTION ON ALL CABLING ENTERING AND EXITING THE BUILDING.

RESPONSIBILITY MATRIX			
SCOPE ITEM	RESPONSIBILITY	NOTES	
<b>COMMUNICATIONS - DIVISION 27</b>	OFOI CFCI OFCI		
CATEGORY 6/6A STRUCTURED CABLING SYSTEM		✓	
PROJECTORS		✓	
PROJECTOR MOUNTS		✓	
INTERACTIVE DISPLAYS		✓	
INTERACTIVE DISPLAY MOUNTS		✓	
DIGITAL SIGNAGE (MESSAGE BOARD)		✓	
POWERED PROJECTION SCREENS		✓	SEE NOTE 3.
BUILDING INTERCOM/PA, BELL, AND CLOCK SYSTEM		✓	
NETWORK EQUIPMENT			
→ MDF/IDF NETWORK EQUIPMENT		✓	
→ VOIP TELEPHONES		✓	
→ WIRELESS ACCESS POINTS		✓	
RACEWAY: CONDUIT, BACK BOXES, SLEEVES, ETC.		✓	SEE NOTE 1.
ELECTRICAL POWER		✓	SEE NOTE 1.
<b>LIFE SAFETY AND SECURITY - DIVISION 28</b>	OFOI CFCI OFCI		
ACCESS CONTROL SYSTEM(ACS)		✓	
ACS - ELECTRIZED HARDWARE, INWALL CONDUIT		✓	
INTRUSION DETECTION SYSTEM (IDS)		✓	
VIDEO SURVEILLANCE SYSTEM (VSS)			
→ VSS SERVERS		✓	
→ VSS CAMERAS		✓	
→ VSS PROGRAMMING		✓	
→ VSS CABLING		✓	SEE NOTE 2.
FIRE ALARM SMOKE DETECTION WITH VOICE EVACUATION		✓	
RACEWAY: CONDUIT, BACK BOXES, SLEEVES, ETC.		✓	SEE NOTE 1.
ELECTRICAL POWER		✓	SEE NOTE 1.

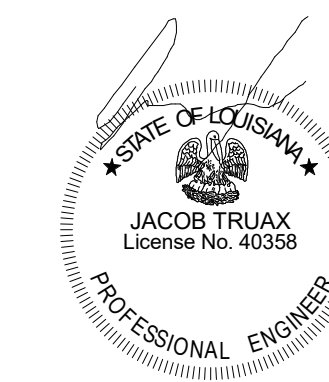
OFOI - OWNER FURNISHED AND OWNER INSTALLED  
CFCI - CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED  
OFCI - OWNER FURNISHED AND CONTRACTOR INSTALLED

RESPONSIBILITY MATRIX NOTES:  
1. BY DIVISION 26.  
2. BY DIVISION 27.  
3. BY DIVISION 11.

Sheet No:	T0.00
DESIGNED CHECKED	OK TK
DETAILED CHECKED	CP TK
DATE SHEET	10/03/2022 T0.00
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
NO.	DATE
BY	REVISION DESCRIPTION



ARCHITECTURAL  
TECHNOLOGY NOTES AND LEGENDS  
NORTH TRANSIT CENTER

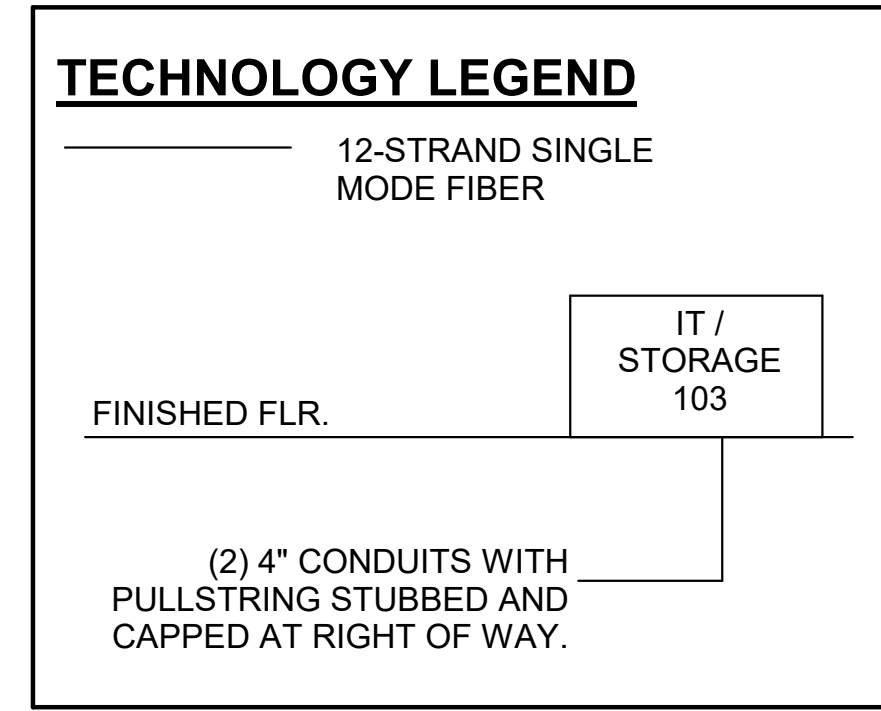


05/23/2023

**SALASOBRIEN**  
expect a difference |

2380 Towne Center Boulevard, Suite 1210  
Baton Rouge, Louisiana 70806  
225.766.8002 | Registration No. 2964  
SALAS O'BRIEN Project No. 2022-01991

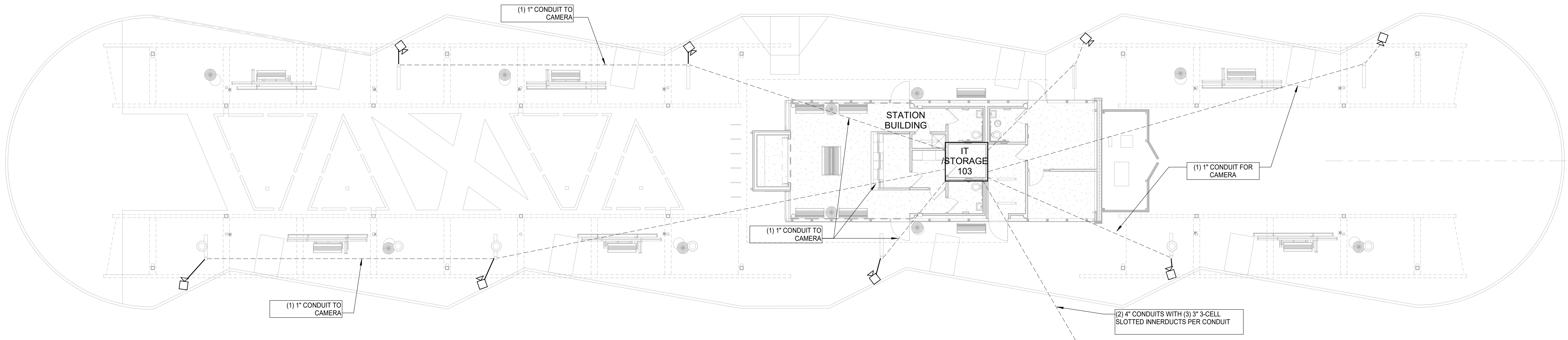




**TECHNOLOGY GENERAL NOTES:**

1. REFER TO ELECTRICAL (E-SERIES) DRAWINGS FOR ADDITIONAL CONDUIT QUANTITIES, SIZES AND LOCATIONS.
2. CONTRACTOR TO PROVIDE AND INSTALL MAXCELL COMPRESSION CUFFS TO SEAL MAXCELL IN CONDUIT AT ENTRY/EXIT OF BUILDING ENTRANCE.
3. CONDUIT RUNS SHALL BE INSTALLED WITH NO MORE THAN (2) 90-DEGREE RADIUS BENDS AND NOT EXCEED 600- FEET FOR BURIED AND 100- FEET FOR EMT. IF THESE CONDUITS CAN NOT BE ME, A HANDHOLE OR PULLBOX MUST BE PLACED INTO THE RUN.
4. CONTRACTOR TO PROVIDE AND INSTALL (3) 3" 3-CELL MAXCELL FABRIC MESH INNERDUCTS AS SHOWN IN DRAWINGS.
5. CONTRACTOR SHALL MOUNT EXTERIOR CAMERAS TO STRUCTURE. CONTRACTOR TO PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR PROPER MOUNTING. CONTRACTOR TO VERIFY FINAL CAMERA LOCATION AND VIEWING ANGLE WITH OWNER IT GROUP.

Sheet No:	T0.01
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED / CHECKED	TK
DETAILED / CHECKED	TK
DATE / SHEET	10/03/2022 / T0.01



1  
T0.01  
3/32" = 1'-0"  
**TECHNOLOGY SITE PLAN**

NO.	DATE	REVISION DESCRIPTION	BY



ARCHITECTURAL  
TECHNOLOGY SITE PLAN  
NORTH TRANSIT CENTER



**SALASOBRIEN**  
| expect a difference |

2380 Towne Center Boulevard, Suite 1210  
Baton Rouge, Louisiana 70806  
225.766.8002 | Registration No. 2964  
SALAS O'BRIEN Project No. 2022-01991

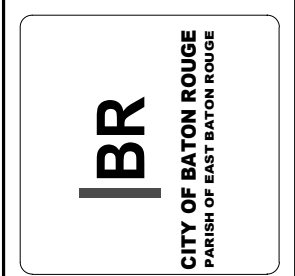




NO.	DATE	REVISION DESCRIPTION	BY

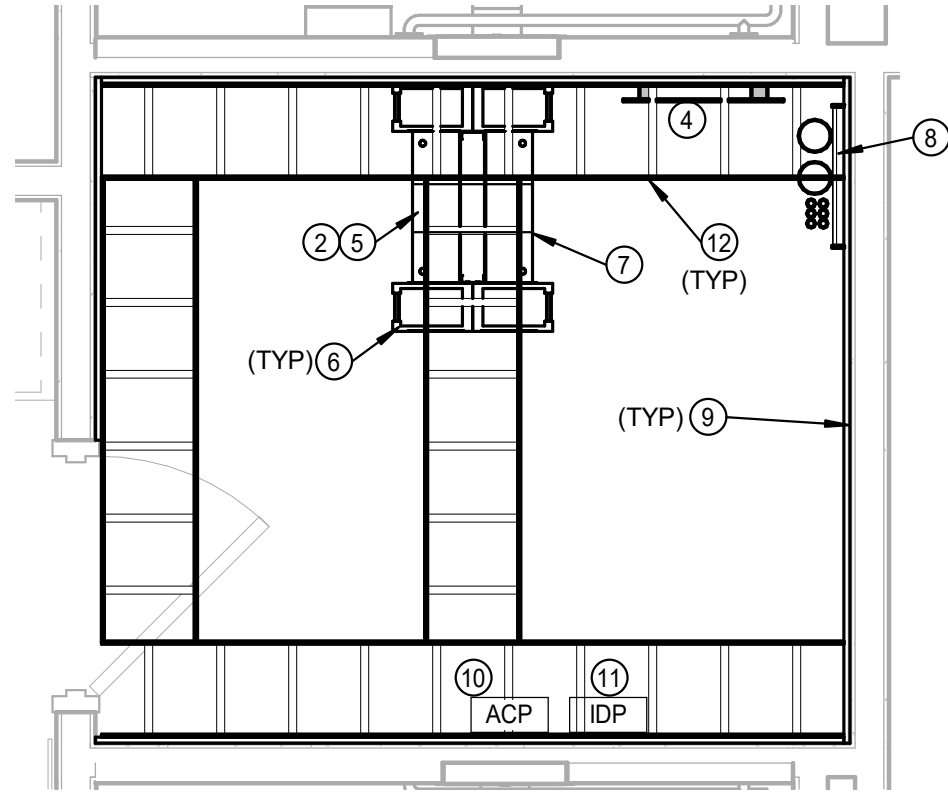


ARCHITECTURAL  
 TECHNOLOGY ENLARGED PLAN - IT/ELEC. ROOM  
 NORTH TRANSIT CENTER



**TECHNOLOGY KEYED NOTES:**

- ① COORDINATE BAS DATA OUTLET WITH MECHANICAL / ELECTRICAL CONTRACTORS.
- ② CONTRACTOR SHALL VERIFY FINAL RACK LOCATION WITH OWNER IT GROUP.
- ③ COORDINATE ACCESS CONTROL PANEL DATA OUTLET WITH SECURITY CONTRACTOR.
- ④ TELECOMMUNICATIONS GROUND BUSBAR (TGB). CABLING CONTRACTOR TO PROVIDE BUS BAR AND ALL REQUIRED MATERIAL TO MOUNT AT THE LOCATION SHOWN. TGB TO BE MOUNTED @ +7' AFF.
- ⑤ PROVIDE AND INSTALL ONE (1) 2-POST, FLOOR MOUNTED, 7' RELAY RACK (BLACK IN COLOR). PROVIDE BONDING WASHERS, BOLTS, AND NUTS AT ALL MECHANICALLY CONNECTED LOCATIONS OF THE RACK TO ENSURE THAT ALL PIECES OF THE RACK ARE COMPLETELY BONDED. SCRAPING PAINT FROM RACKS TO MAKE A BOND WILL NOT BE ACCEPTED. ALL RACK MOUNTED COMPONENTS SHALL BE MOUNTED WITH BONDING SCREWS AND THE CONTRACTOR SHALL PROVIDE THE OWNER WITH (50) ADDITIONAL BONDING SCREWS FOR THE INSTALLATION OF OWNER EQUIPMENT. NO DAISY CHAINING GROUNDS FROM RACK TO CABLE TRAY OR TO OTHER RACKS WILL BE ACCEPTED. ALL GROUNDS SHALL BE HOME RUN TO THE TELECOMMUNICATIONS GROUND BUS BAR (TGBB). TYPICAL FOR ALL SHOWN ON THE ENTIRE PROJECT.
- ⑥ PROVIDE AND INSTALL ONE (1) 7'X6" / 7'X10", FRONT AND REAR MANAGED, VERTICAL CABLE MANAGER (BLACK IN COLOR). CABLE MANAGERS SHALL BE INSTALLED ON EACH END OF THE RACK SYSTEMS AND BETWEEN EACH RACK. CABLE MANAGERS SHALL HAVE A SINGLE, SOLID, FULL HEIGHT HINGED DOOR IN THE FRONT AND WIDE SPACED CABLE RINGS WITH SPIN-OPEN LATCHES IN THE REAR. TYPICAL FOR ALL SHOWN IN THE ENTIRE PROJECT.
- ⑦ PROVIDE AND INSTALL RACK-TO-RUNWAY MOUNTING PLATE FOR ALL LOCATIONS WHEN ASSOCIATED WITH A 2-POST OR 4-POST RACK. MOUNTING PLATE SHALL BE BLACK IN COLOR. PROVIDE (1) 6" LADDER TRAY ELEVATION KIT (BLACK IN COLOR) AT EACH RACK-TO-RUNWAY MOUNTING PLATE LOCATION. TYPICAL FOR ALL SHOWN ON THE ENTIRE PROJECT.
- ⑧ TWO (2) 4" CONDUIT STUB UP LOCATION FOR SITE BACKBONE CABLE PATHWAY. CONTRACTOR TO PROVIDE 18" VERTICAL LADDER TRAY FOR CABLE SUPPORT.
- ⑨ 3/4" FIRE RATED PLYWOOD.
- ⑩ ACCESS CONTROL PANEL.
- ⑪ INTRUSION DETECTION PANEL.
- ⑫ 12"W X 4"D CABLE TRAY.



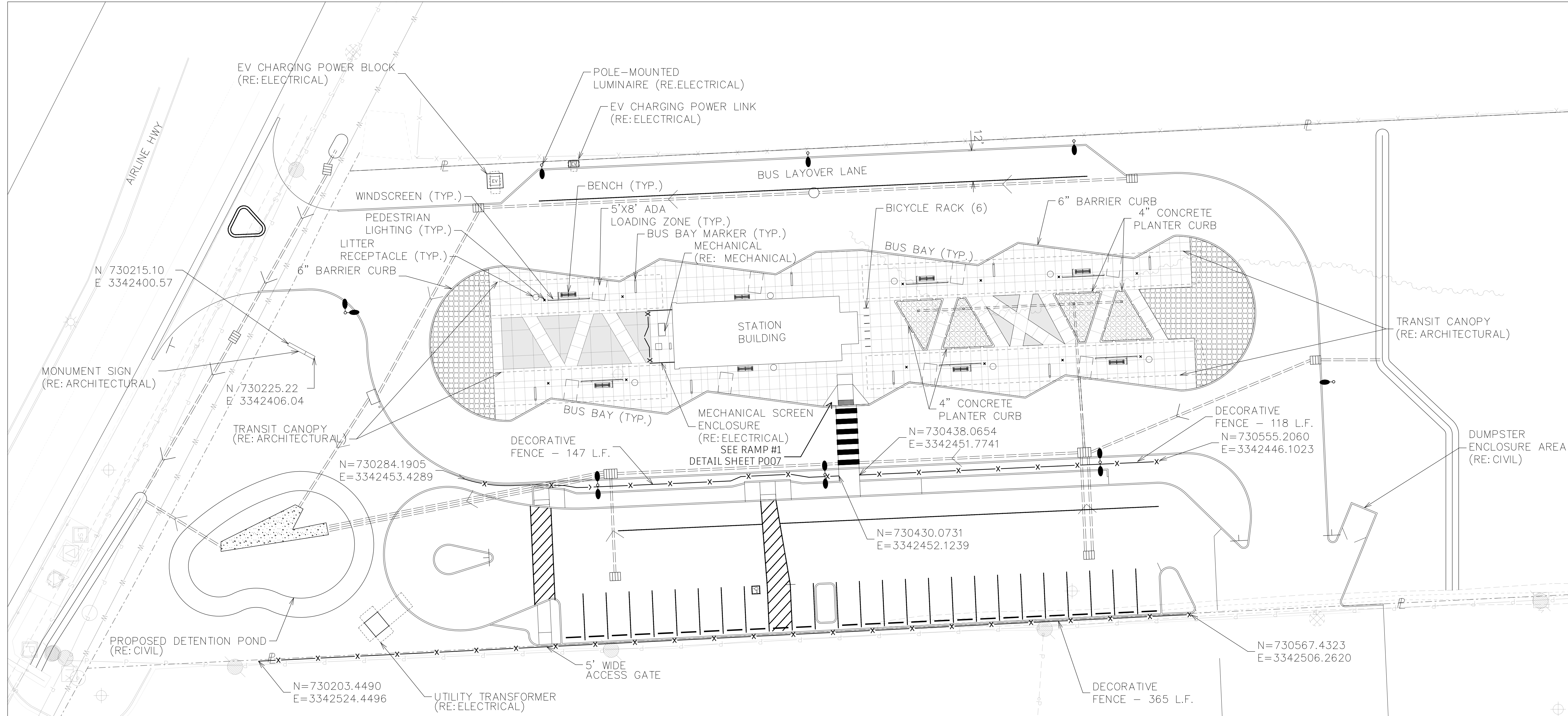
1 ENLARGED PLAN - IT/STOR ROOM 103  
 T3.01 1/2" = 1'-0"



**SALASOBRIEN**  
 | expect a difference |  
 2380 Towne Center Boulevard, Suite 1210  
 Baton Rouge, Louisiana 70806  
 225.766.8002 | Registration No. 2964  
 SALAS O'BRIEN Project No. 2022-01991

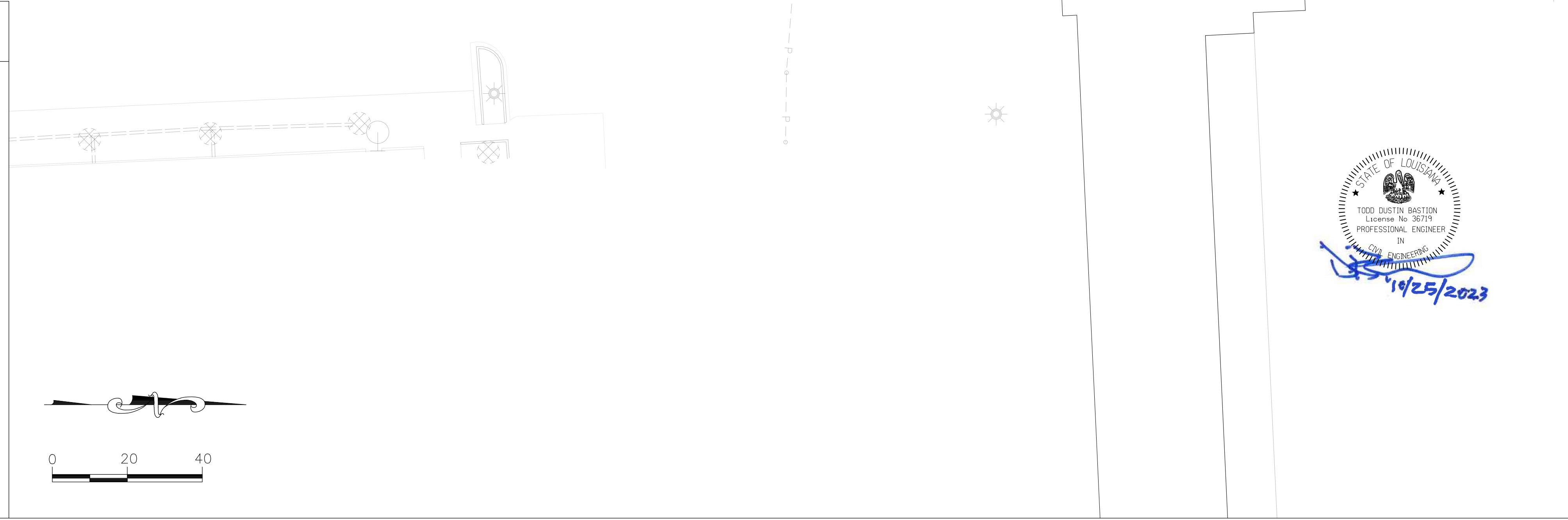


SHEET NUMBER	P001
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	JMM/JBA
CHECKED	AJC
DATE	5/5/2023
SHEET	1 of 8



LEGEND / NOTES

○ LITTER RECEPTACLE SEE DETAIL SHEET P008	▨ RAIN GARDEN (RE: LANDSCAPE)
▬ BENCH SEE DETAIL SHEET P008	▨ DECORATIVE CONCRETE PAVEMENT
— WINDSCREEN (RE: ARCHITECTURAL)	▨ CONCRETE PLATFORM PAVEMENT
⏏ BUS BAY MARKER SEE DETAIL SHEET P008	▨ PLANTING BEDS (RE: LANDSCAPE)
• PEDESTRIAN LIGHTING (RE: ELECTRICAL)	▨ DETECTABLE WARNING TILE
—x— DECORATIVE FENCE SEE DETAIL SHEET P007	
— BICYCLE RACK SEE DETAIL SHEET P008	
● POLE-MOUNTED LUMINAIRE (RE: ELECTRICAL)	



PLATFORM  
SITE PLAN

NORTH TRANSIT CENTER



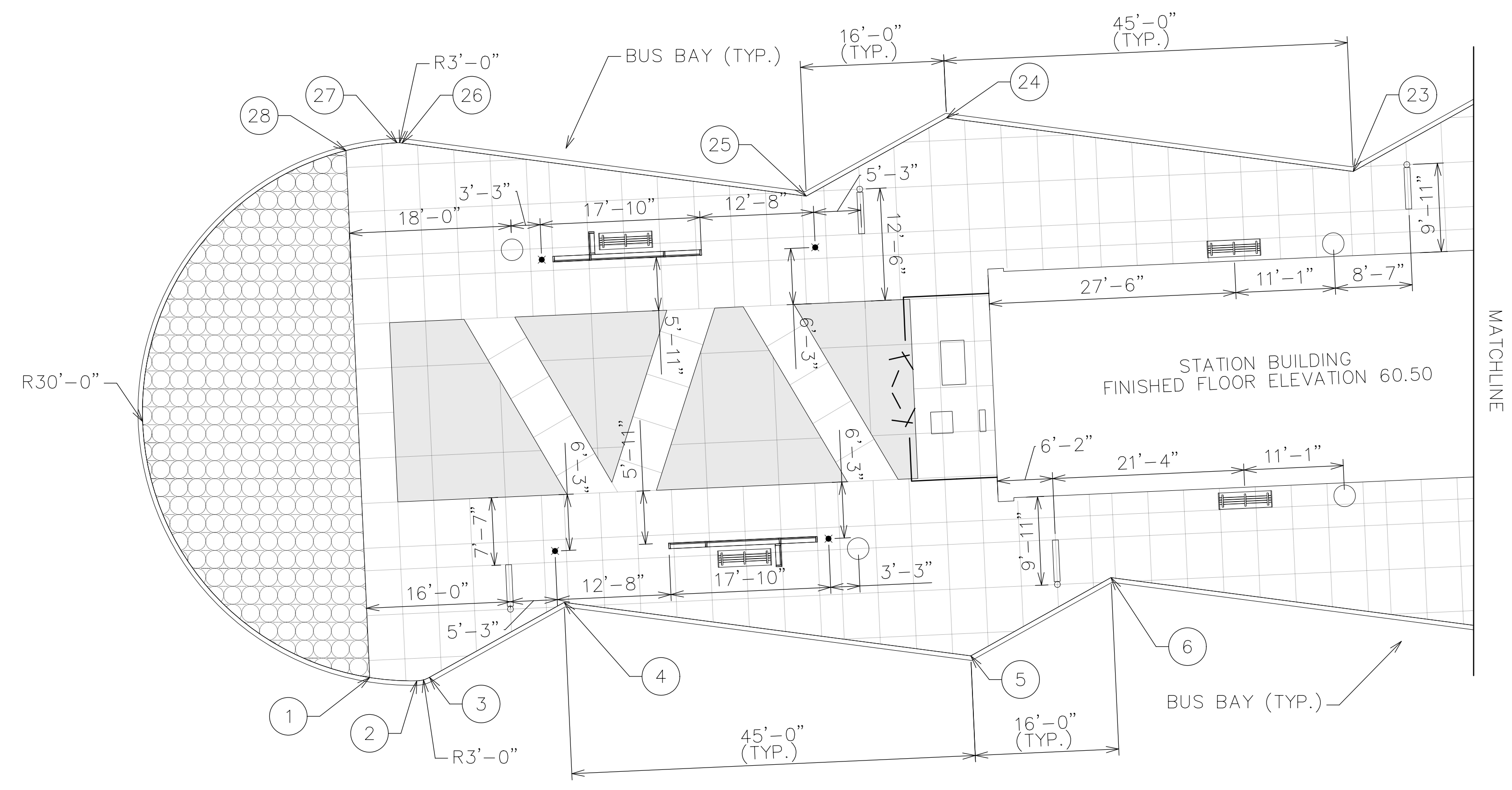
NO.	DATE	REVISION DESCRIPTION	BY



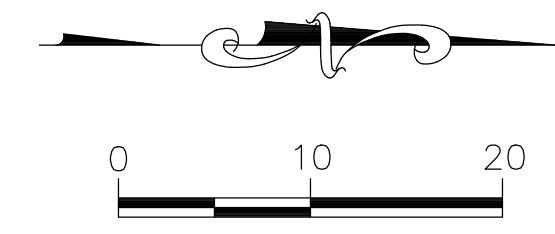
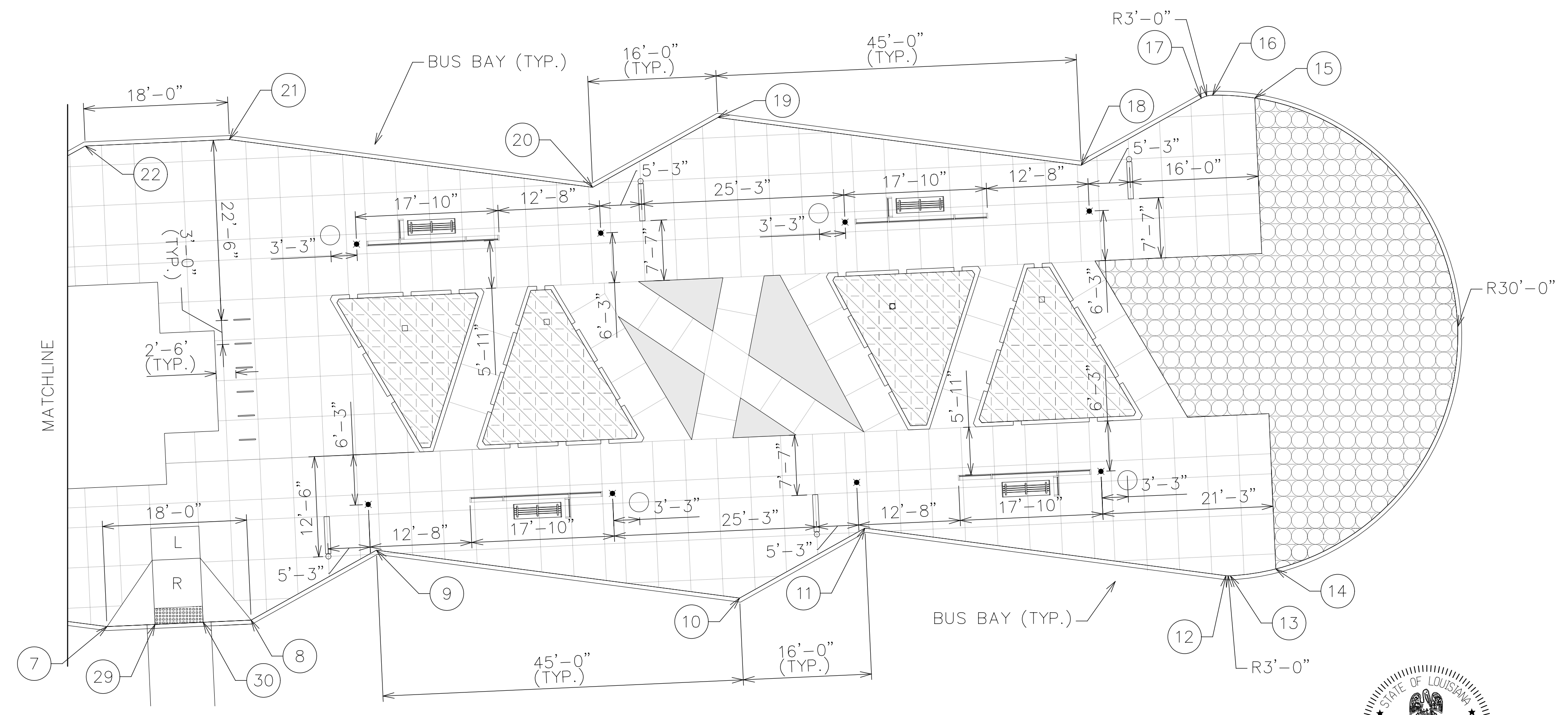
PLATFORM LAYOUT PLAN  
 SHEET 1 OF 2  
 NORTH TRANSIT CENTER



BACK OF CURB POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	730295.94	3342430.05	60.20	POC
2	730301.19	3342430.41	60.20	PCC
3	730302.60	3342430.03	60.21	PT
4	730317.58	3342421.67	60.30	PI
5	730362.90	3342427.63	60.20	PI
6	730378.52	3342418.91	60.40	PI
23	730405.51	3342373.65	60.40	PI
24	730360.19	3342367.69	60.20	PI
25	730344.57	3342376.40	60.30	PI
26	730299.53	3342370.48	60.20	PC
27	730298.98	3342370.46	60.20	PCC
28	730293.28	3342371.32	60.20	POC



BACK OF CURB POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
7	730423.84	3342424.88	60.30	PI
8	730441.82	3342424.07	60.20	PI
9	730457.44	3342415.35	60.30	PI
10	730502.76	3342421.31	60.20	PI
11	730518.38	3342412.60	60.30	PI
12	730563.43	3342418.53	60.20	PC
13	730563.98	3342418.55	60.20	PCC
14	730569.65	3342417.69	60.20	POC
15	730567.01	3342358.96	60.20	POC
16	730561.75	3342358.60	60.20	PCC
17	730560.35	3342358.98	60.21	PT
18	730545.36	3342367.34	60.30	PI
19	730500.05	3342361.37	60.20	PI
20	730484.43	3342370.09	60.30	PI
21	730439.11	3342364.13	60.20	PI
22	730421.13	3342364.94	60.30	PI
29	730429.83	3342424.61	60.27	PI
30	730435.83	3342424.34	60.23	PI



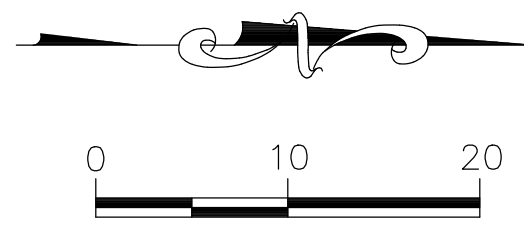
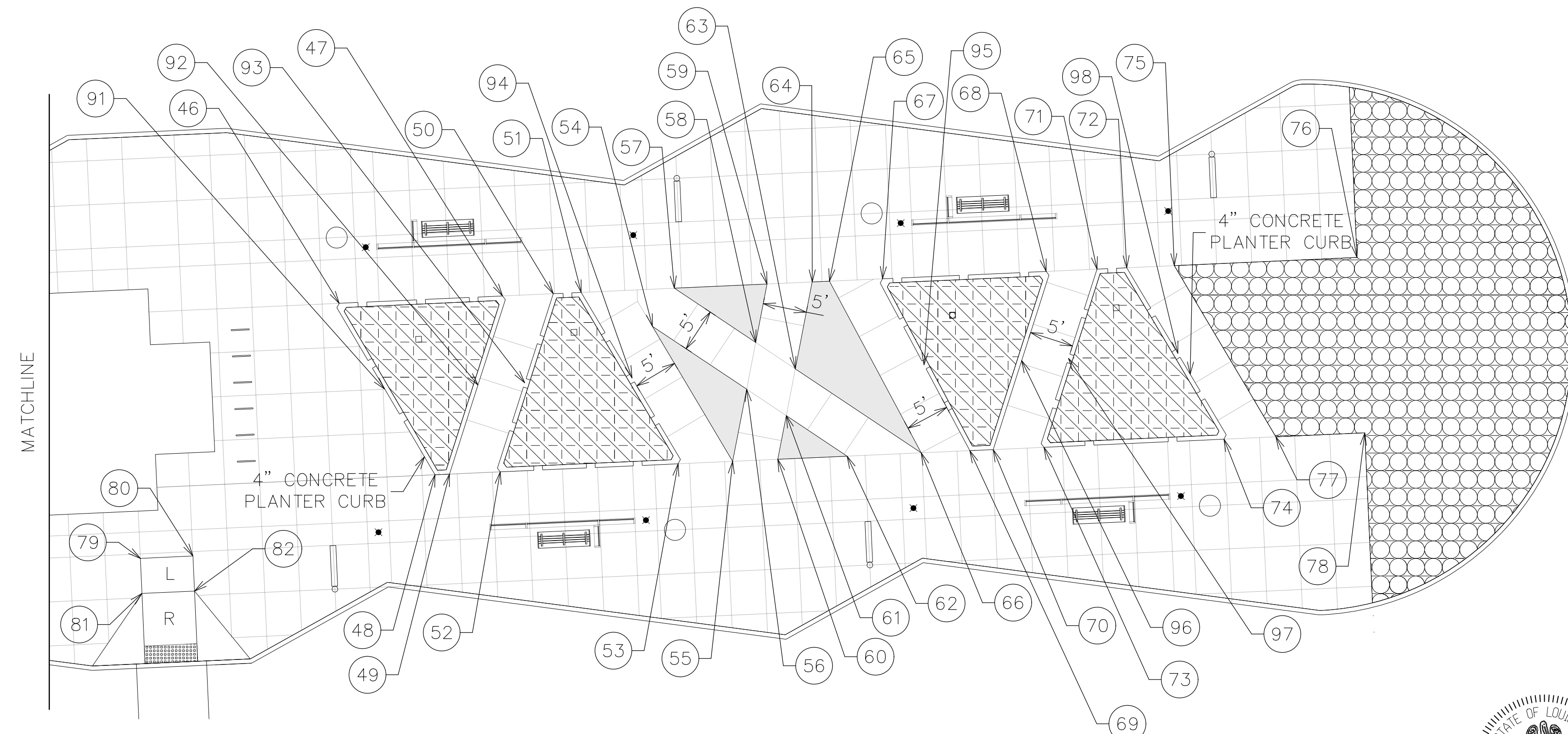
STATE OF LOUISIANA  
 TODD DUSTIN BASTION  
 License No. 36719  
 PROFESSIONAL ENGINEER  
 IN  
 CIVIL ENGINEERING  
 4/25/2023





EDGE OF SIDEWALK POINTS			
POINT NO.	NORTHING	EASTING	ELEVATION
31	730298.15	3342390.50	60.30
32	730306.44	3342390.13	60.32
33	730299.06	3342410.48	60.30
34	730317.90	3342409.63	60.37
35	730312.09	3342389.87	60.34
36	730329.04	3342389.11	60.38
37	730322.91	3342408.29	60.38
38	730334.37	3342388.87	60.39
39	730337.54	3342388.73	60.40
40	730327.87	3342409.18	60.38
41	730349.14	3342408.22	60.40
42	730343.21	3342388.47	60.41
43	730356.10	3342387.89	60.40
44	730354.80	3342407.97	60.40
45	730357.00	3342407.87	60.40
83	730298.60	3342400.48	60.34
84	730312.16	3342399.87	60.41
85	730317.81	3342399.62	60.43
86	730325.79	3342399.26	60.45
87	730331.12	3342399.02	60.47
88	730343.34	3342398.47	60.49
89	730349.00	3342398.21	60.50
90	730356.55	3342397.87	60.50

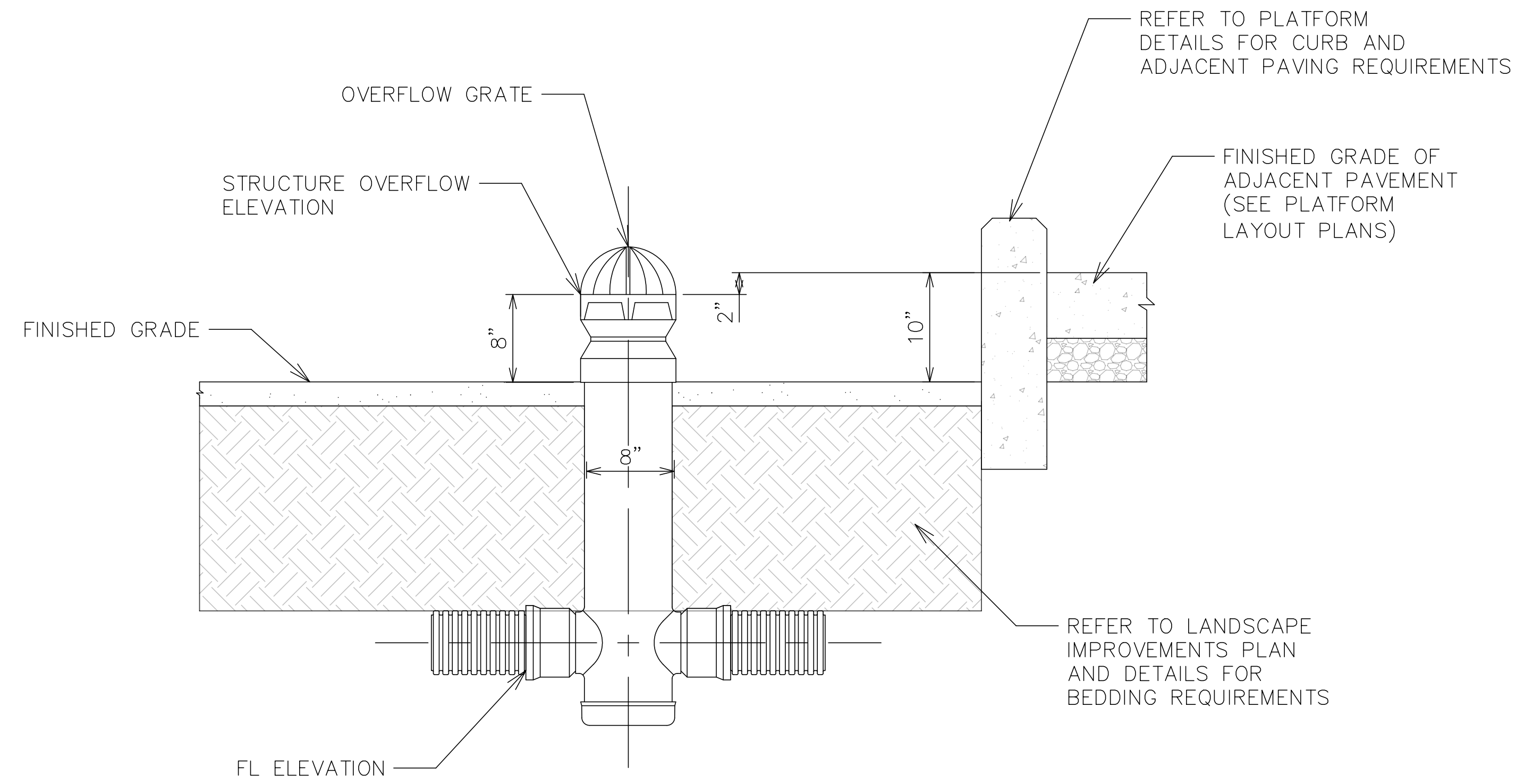
EDGE OF SIDEWALK POINTS			
POINT NO.	NORTHING	EASTING	ELEVATION
46	730451.95	3342383.57	60.25
47	730470.55	3342382.73	60.14
48	730462.86	3342403.09	60.20
49	730464.51	3342403.02	60.19
50	730476.33	3342382.47	60.11
51	730479.51	3342382.33	60.11
52	730470.29	3342402.76	60.14
53	730490.55	3342401.85	60.08
54	730487.62	3342386.18	60.06
55	730496.77	3342401.57	60.07
56	730498.36	3342393.35	60.01
57	730490.13	3342381.85	60.12
58	730499.39	3342388.02	60.03
59	730500.68	3342381.37	60.06
60	730501.91	3342401.34	60.06
61	730502.87	3342396.35	60.00
62	730509.81	3342400.98	60.06
63	730503.90	3342391.03	59.98
64	730505.82	3342381.14	60.06
65	730507.79	3342381.05	60.05
66	730518.25	3342400.60	60.11
67	730513.84	3342380.78	60.05
68	730532.48	3342379.94	60.04
69	730523.78	3342400.35	60.08
70	730526.45	3342400.23	60.07
71	730538.27	3342379.68	60.04
72	730541.67	3342379.52	60.05
73	730532.23	3342399.97	60.04
74	730552.73	3342399.04	60.00
75	730547.08	3342379.28	60.06
76	730567.89	3342378.34	60.03
77	730558.65	3342398.78	60.00
78	730568.78	3342398.32	60.03
79	730429.29	3342412.62	60.42
80	730435.28	3342412.35	60.36
81	730429.47	3342416.61	60.37
82	730435.46	3342416.34	60.33
91	730457.14	3342393.35	60.20
92	730467.76	3342392.87	60.08
93	730473.08	3342392.63	60.02
94	730485.31	3342392.08	59.98
95	730518.56	3342390.58	59.95
96	730529.69	3342390.08	59.89
97	730535.02	3342389.84	59.87
98	730547.48	3342389.28	59.87



SHEET NUMBER	P003
PARISH	EAST BATON ROUGE
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	JMM/MB
CHECKED	AJC
DATE	4/28/2023
DETAILED	SNC
CHECKED	AJC
DATE	3 of 8
NO.	
DATE	
BY	
REVISION DESCRIPTION	
PLATFORM LAYOUT PLAN SHEET 2 OF 2 NORTH TRANSIT CENTER	







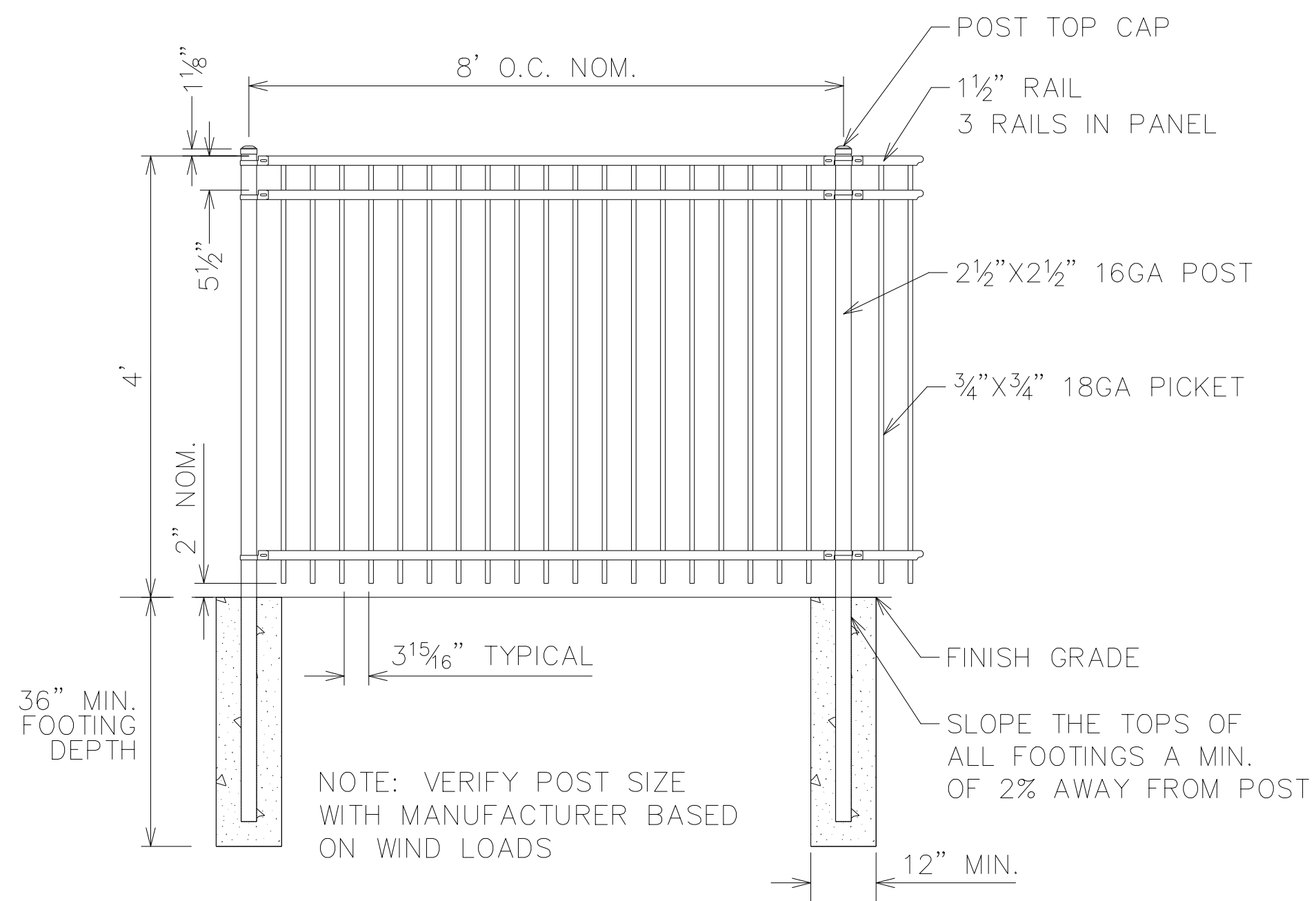
1 RAIN GARDEN OVERFLOW DRAIN DETAIL  
NOT TO SCALE

NOTES:

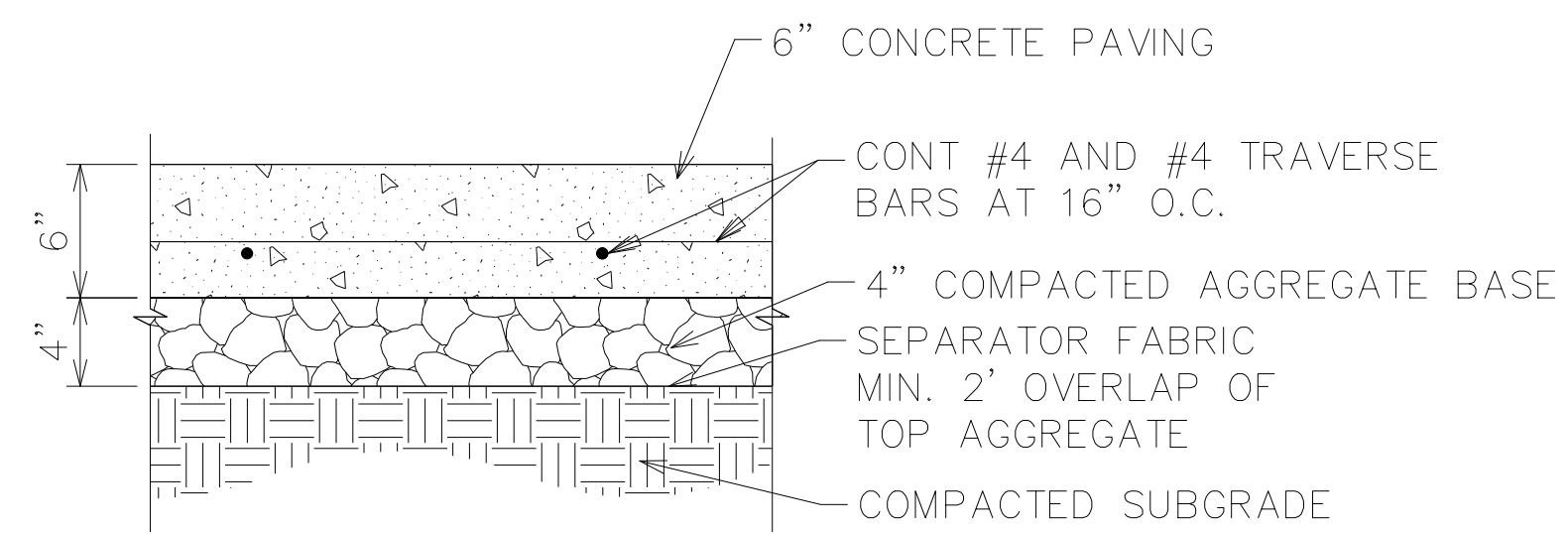
1. RAIN GARDEN OVERFLOW DRAIN SHALL BE AS MANUFACTURED BY NYLOPLAST, DIVISION OF ADVANCED DRAINAGE SYSTEMS, INC. , OR APPROVED EQUAL WITH INSIDE DIAMETER AS SHOWN ON THE PLANS.
2. DUCTILE IRON GRATES SHALL BE INCLUDED IN THE RAIN GARDEN OVERFLOW DRAIN PAY ITEM.
3. CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF RAIN GARDEN OVERFLOW DRAINS. LAYOUT SHALL BE ADJUSTED BASED ON ACTUAL FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
4. RAIN GARDEN COMPONENTS SHALL BE LOCATED OUTSIDE THE ROOTBALLS OF ALL PROPOSED TREES. REFER TO LANDSCAPE IMPROVEMENTS PLAN AND DETAILS FOR TREE LOCATIONS AND INSTALLATION.

TODD DUSTIN BASTION  
 License No. 36719  
 PROFESSIONAL ENGINEER  
 IN  
 CIVIL ENGINEERING  
 10/25/2023

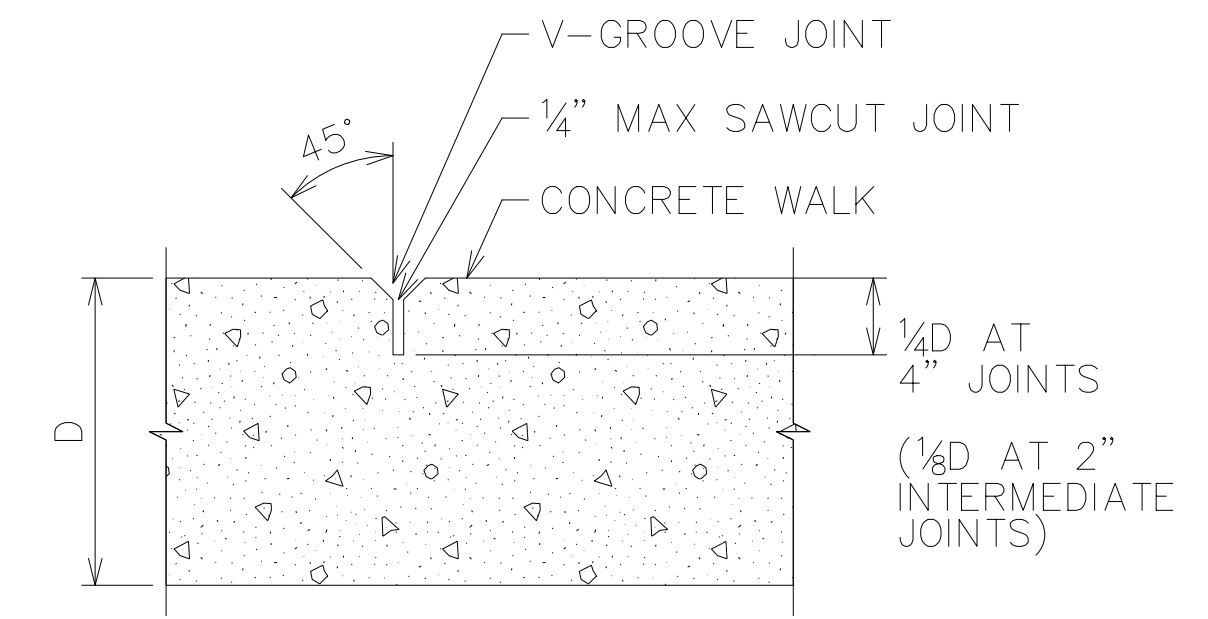
SHEET NUMBER	P006	PARISH	EAST BATON ROUGE PARISH	CITY PROJECT	16-CI-US-0032
DESIGNED	JMW/MB/A	DATE	4/28/2023	STATE PROJECT	
CHECKED	AJC	SHEET	6 of 8		
DATE		NO.		REVISION DESCRIPTION	BY
		PLATFORM DRAINAGE DETAILS NORTH TRANSIT CENTER			



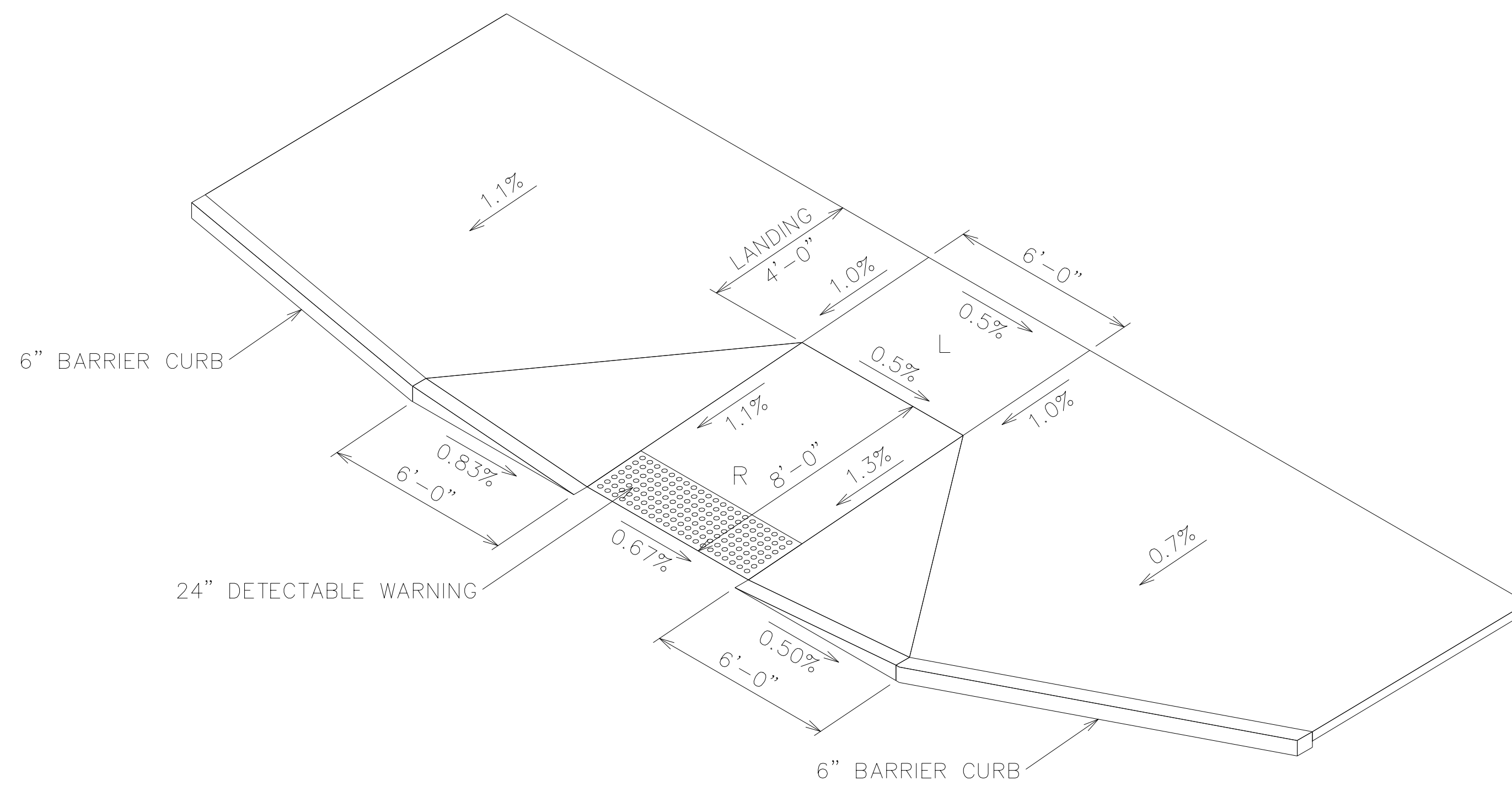
1 DECORATIVE FENCE  
NOT TO SCALE



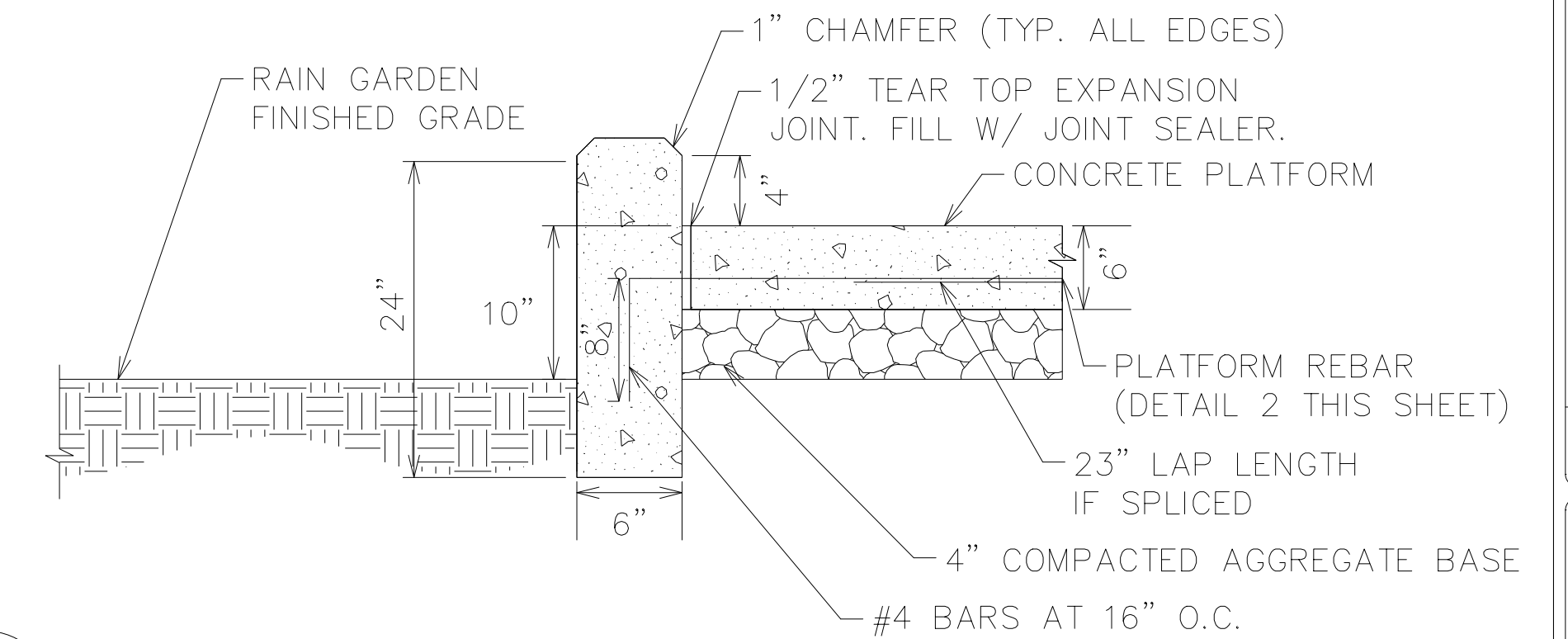
2 TYP. PLATFORM SECTION  
NOT TO SCALE



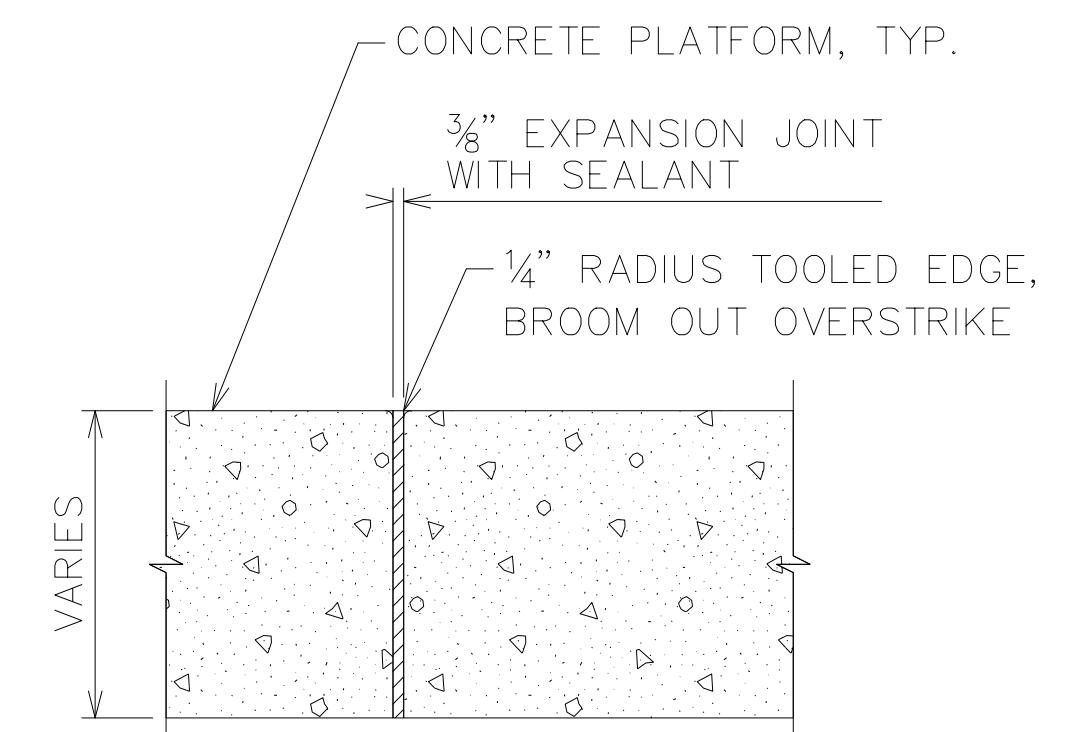
3 CONTROL JOINT  
NOT TO SCALE



5 RAMP #1  
NOT TO SCALE



4 4" CONCRETE PLANTER CURB  
NOT TO SCALE

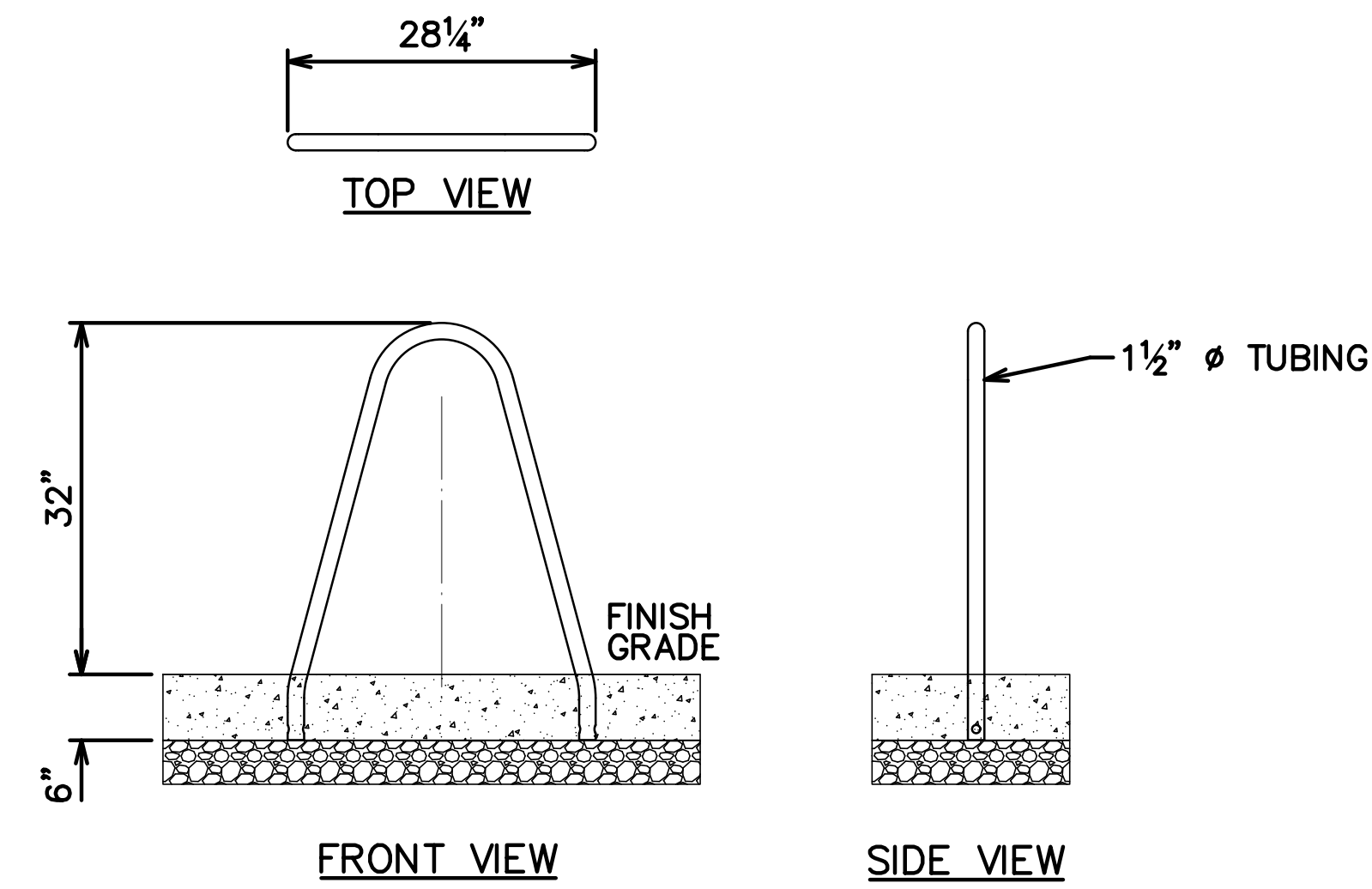


NOTE: EXPANSION JOINTS SHALL BE PLACED WHERE WALKS ABOUT ALL STRUCTURES AND AS INDICATED ON PLAN.

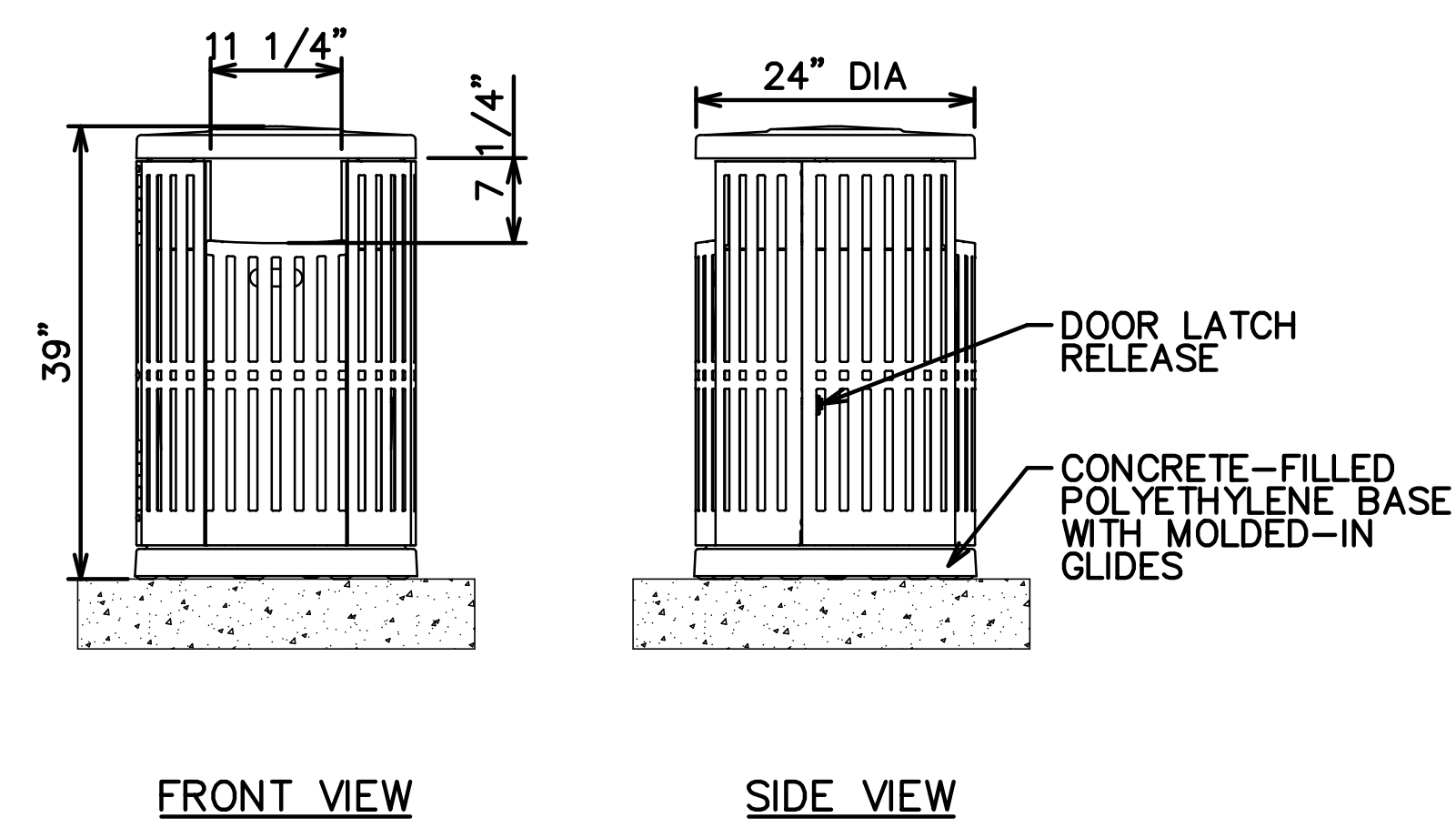
6 EXPANSION JOINT  
NOT TO SCALE



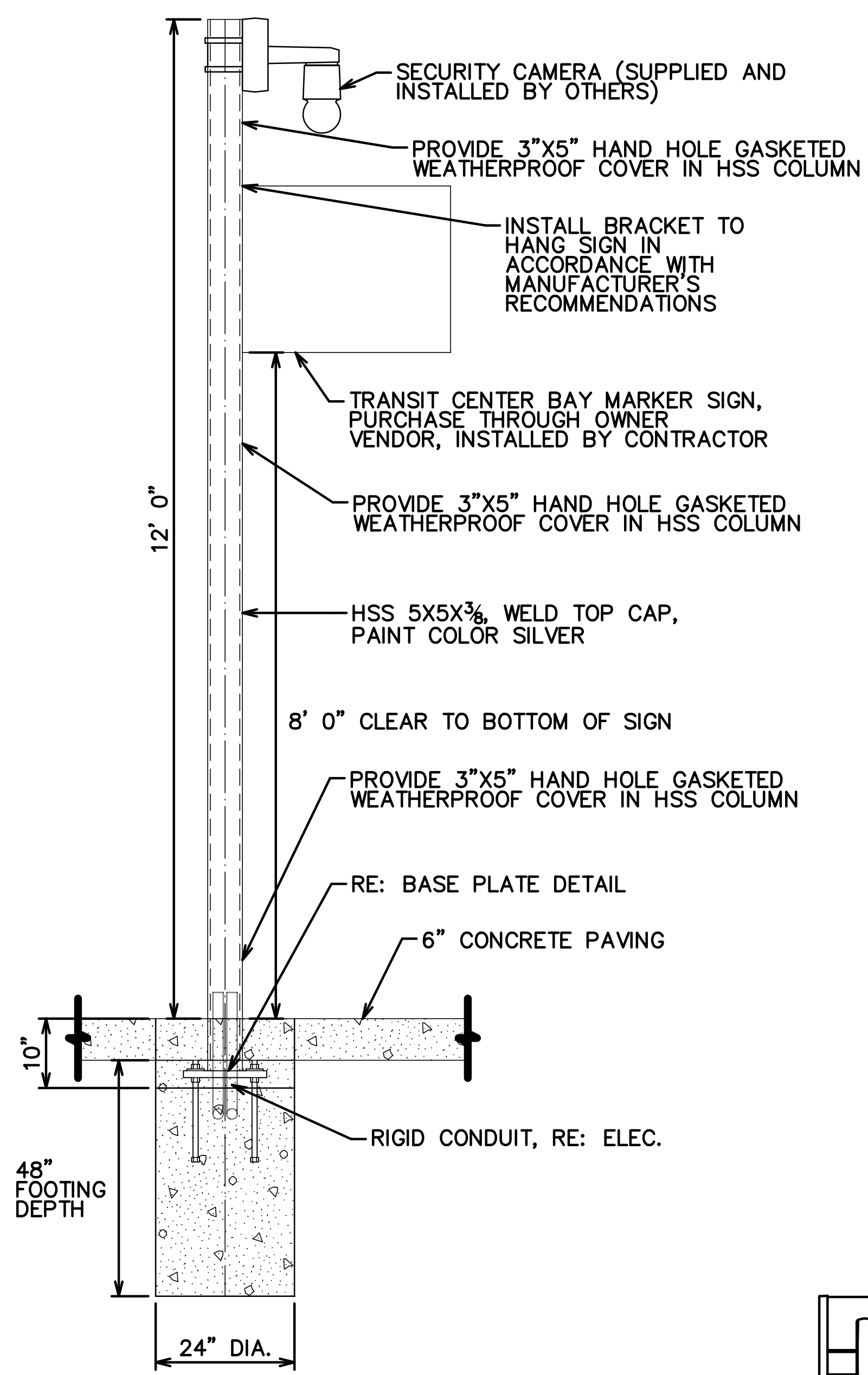
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PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	JMW/AMBA
CHECKED	AJC
DATE	4/28/2023
DESIGNED	SNC
CHECKED	AJC
DATE	7 of 8
NO.	
DATE	
REVISION DESCRIPTION	
BY	
PLATFORM DETAILS NORTH TRANSIT CENTER	



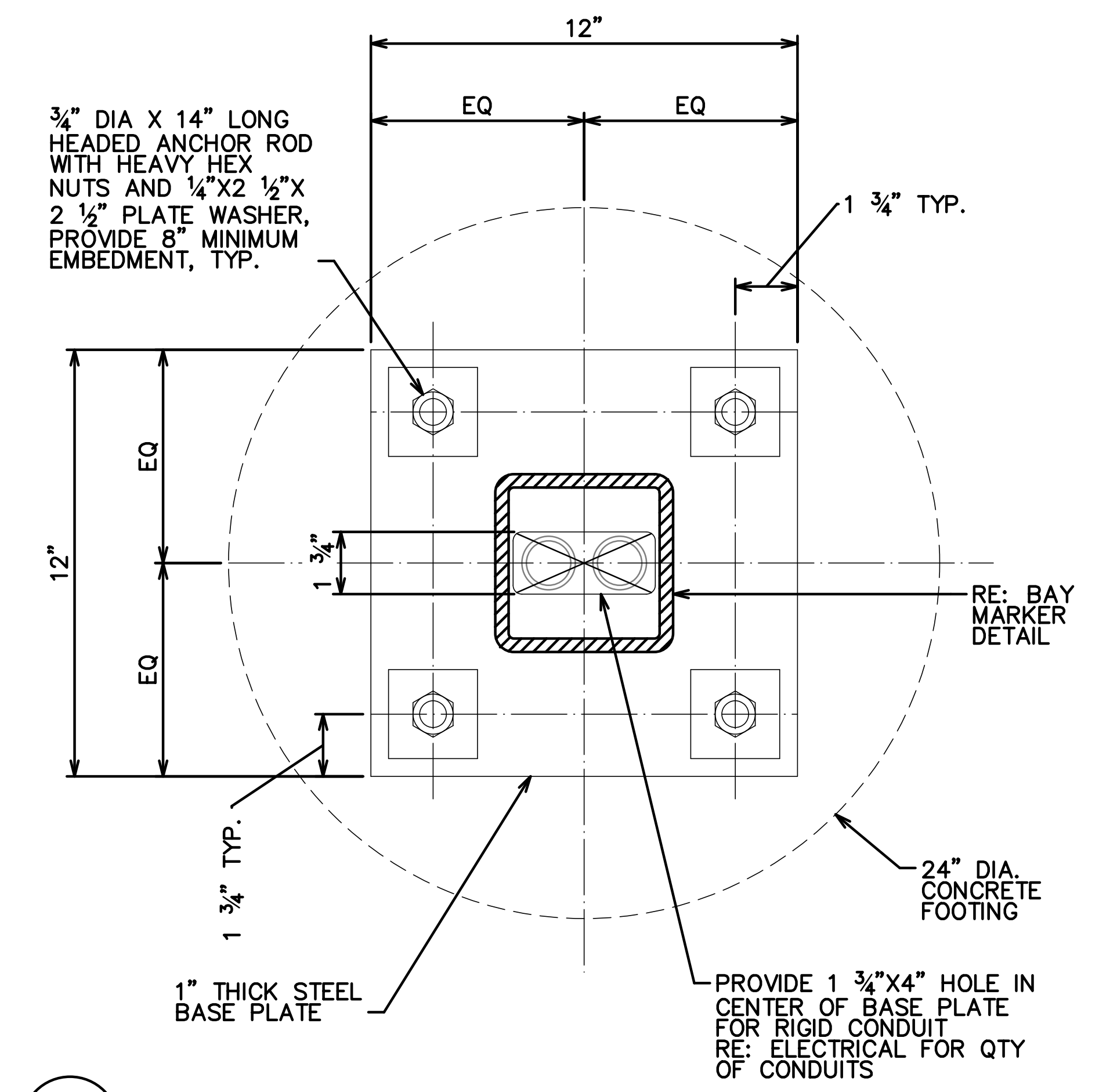
1 TYP. BICYCLE RACK  
NOT TO SCALE



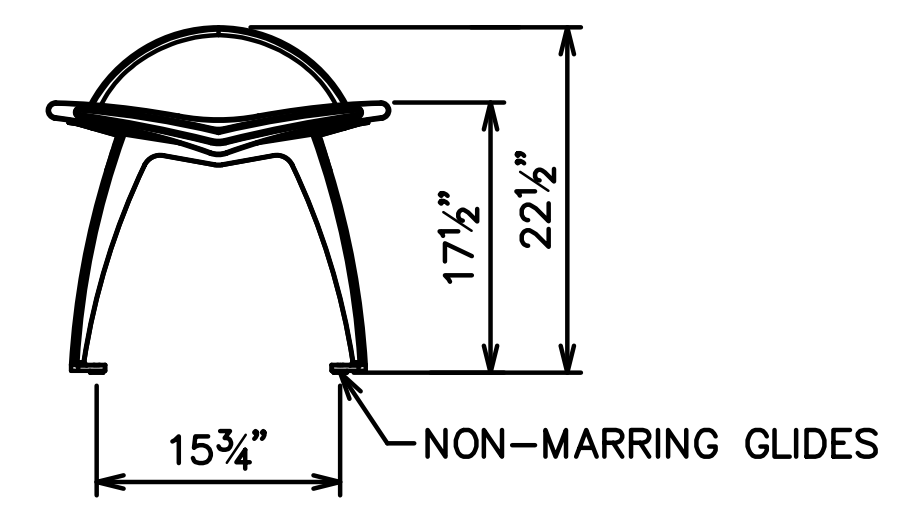
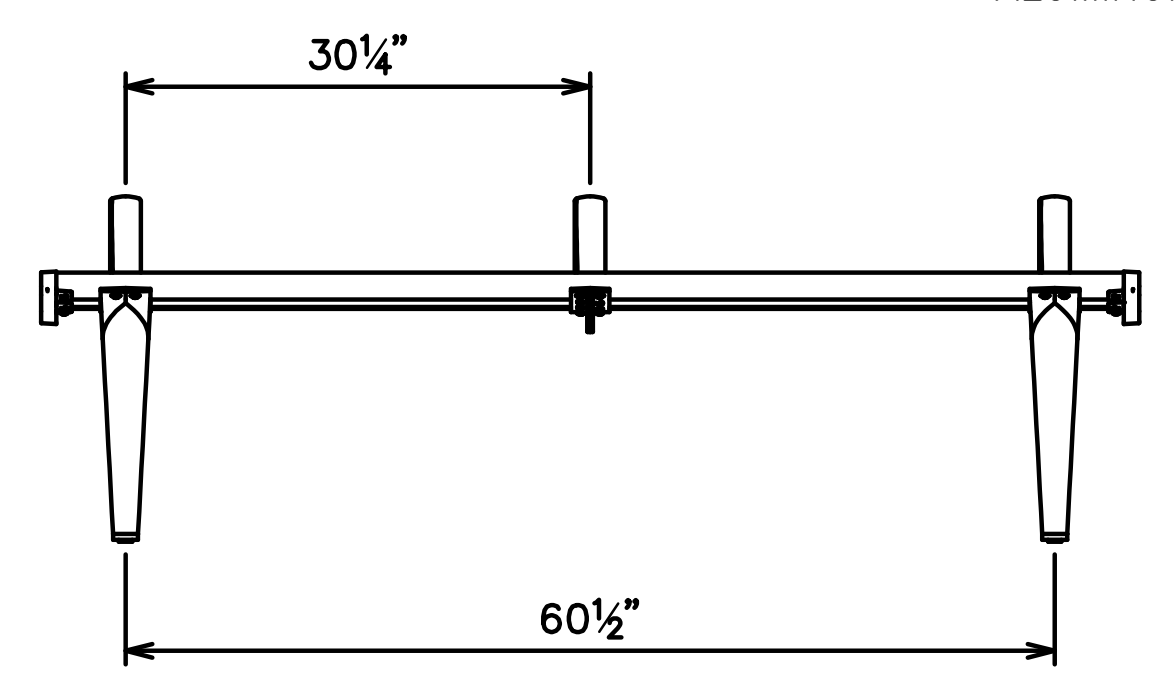
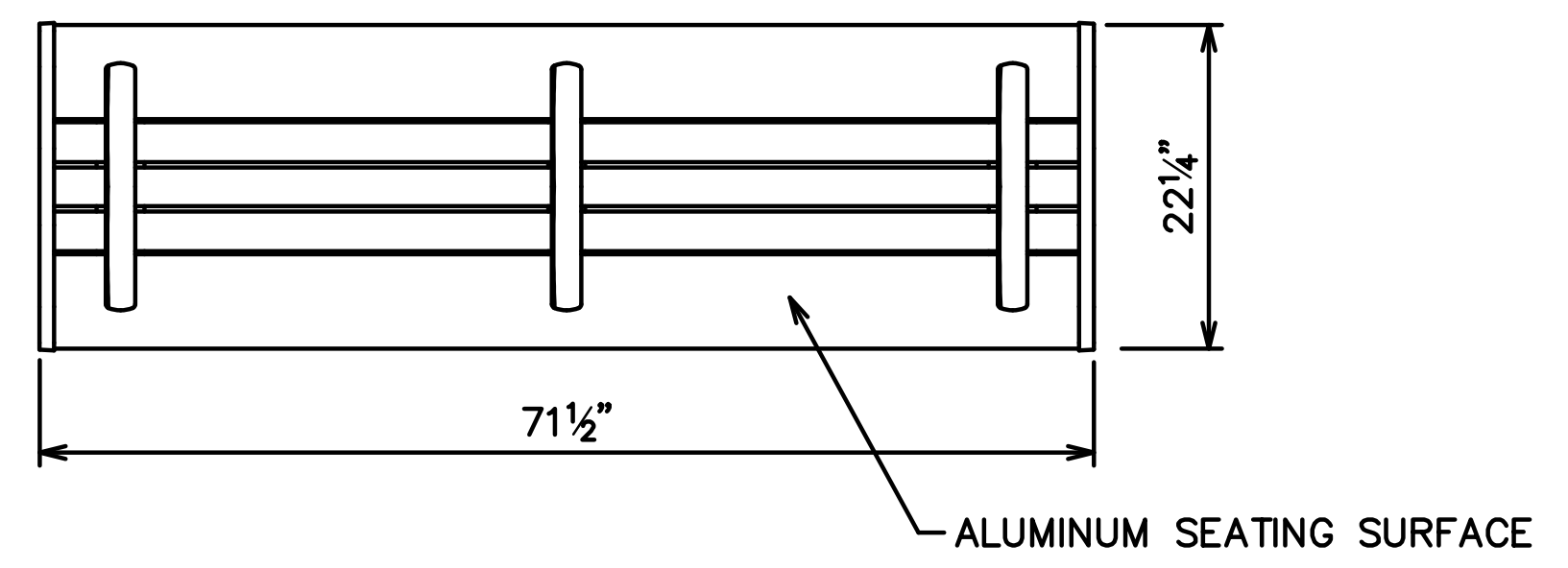
2 TYP. LITTER RECEPTACLE  
NOT TO SCALE



3 BAY MARKER DETAIL  
NOT TO SCALE



4 BAY MARKER BASE PLATE DETAIL  
NOT TO SCALE



6 TYP. BENCH  
NOT TO SCALE

SYMBOL	QTY.	ITEM	BASIS OF DESIGN SUPPLIER	DESCRIPTION / MODEL
	8	LITTER RECEPTACLE	ITEM	CHASE PARK, 24IN. DIA/ 36 GALLON SIDE OPENING. FINISH: SILVER, SURFACE MOUNT
	8	BENCH	LANDSCAPE FORMS, INC. -OR- CUSTOM	AUSTIN, 72" BACKLESS, END AND CENTER ARMS, ALUMINUM SLATS, FINISH: SILVER, SURFACE MOUNT
	6	BICYCLE RACK	LANDSCAPE FORMS, INC. -OR- CUSTOM	BOLA, STAINLESS STEEL, EMBEDDED MOUNT
	8	BAY MARKER	CUSTOM	CUSTOM MARKER WITH SIGN ATTACHMENT, PURCHASE SIGN FROM OWNER VENDOR

NOTE: ALL FURNISHINGS SHALL BE INSTALLED PER MANUF. INSTRUCTIONS

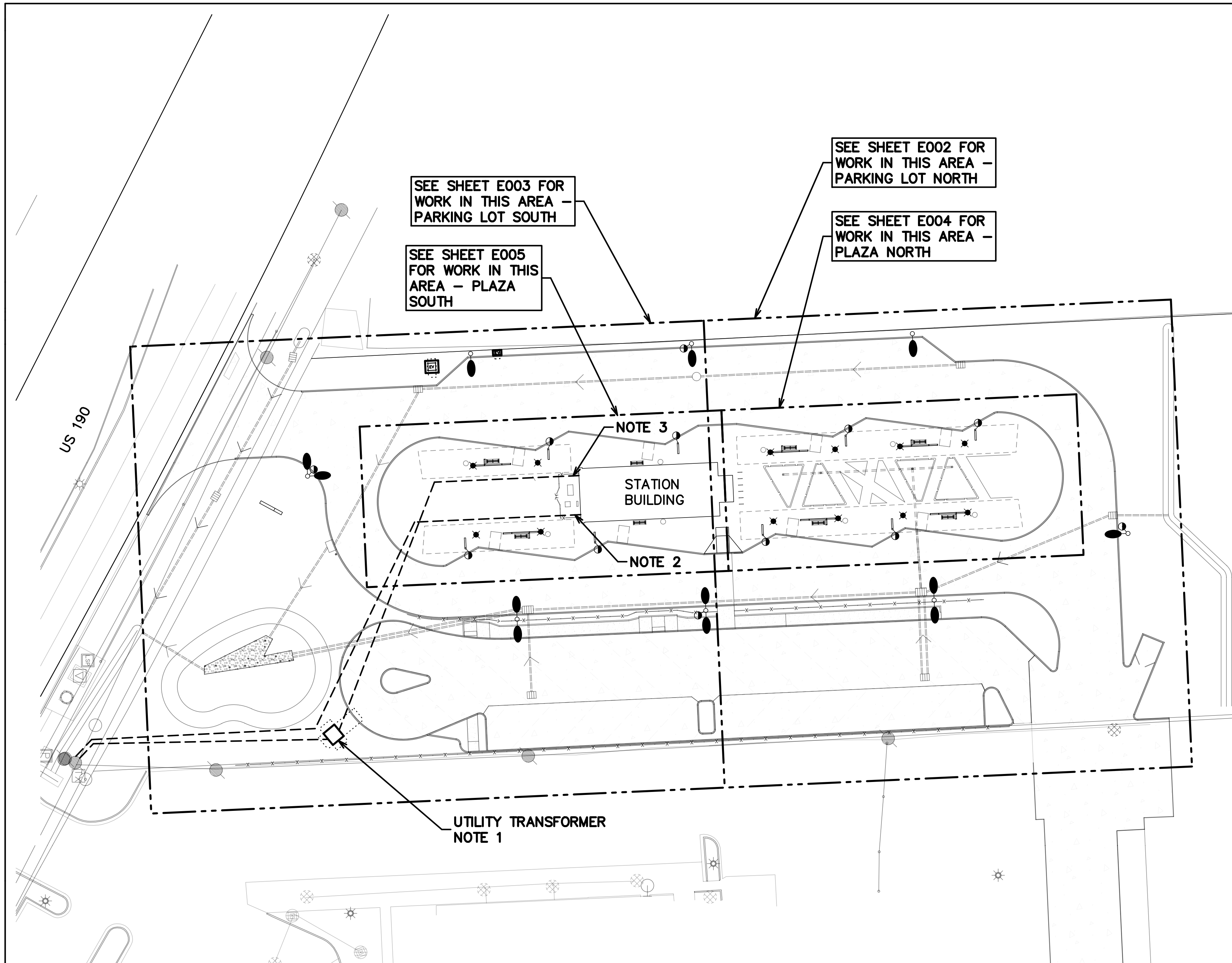
5 FURNISHINGS SCHEDULE

STATE OF LOUISIANA  
TODD DUSTIN BASTON  
License No. 36719  
PROFESSIONAL ENGINEER  
IN  
CIVIL ENGINEERING  
10/25/2023



PLATFORM SITE FURNISHING DETAILS  
NORTH TRANSIT CENTER





**OVERALL ELECTRICAL SITE PLAN**

**PLAN NOTES**

1. PROPOSED UTILITY TRANSFORMER LOCATION. COORDINATE FINAL LOCATION WITH UTILITY AND MAINTAIN UTILITY-REQUIRED CLEARANCES. PROVIDE CONCRETE PAD PER UTILITY COMPANY REQUIREMENTS. SEE SHEET E003 FOR ADDITIONAL INFORMATION.
2. TO BUILDING ELECTRICAL SERVICE EQUIPMENT. SEE ARCHITECTURAL PLANS.
3. TO BUILDING I.T. ROOM. SEE ARCHITECTURAL PLANS.

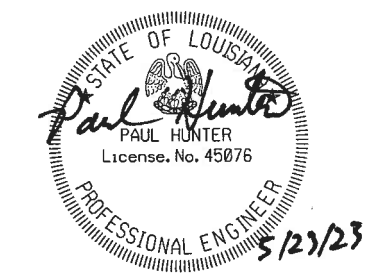
**LIGHTING CALCULATION SUMMARY**

AREA NAME	FC (AVG)	FC (MAX)	FC (MIN)	AVG:MIN	MAX:MIN
BUS CIRCULATION	2.9	7.8	0.7	4.14	11.14
PLATFORM AREA	4.49	10.40	0.40	11.23	26.00
PARKING LOT	1.44	4.00	0.20	7.20	20.00
SIDEWALK	2.85	8.10	0.20	14.25	40.50
PROPERTY LINE	0.59	2.90	0.00	N/A	N/A

NOTE: FOOTCANDLE (FC) VALUE CALCULATED AT GRADE.

**GENERAL NOTES (APPLIES TO ALL ELECTRICAL SHEETS):**

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 70 NATIONAL ELECTRIC CODE (NEC), THE NATIONAL ELECTRIC SAFETY CODE (NEC), CITY-PARISH BUILDING AND DEVELOPMENT CODES AND REGULATIONS, AND UTILITY REQUIREMENTS.
2. CONTRACTOR SHALL COORDINATE WITH ELECTRIC UTILITY AND TELECOM COMPANIES FOR SERVICE TO SITE.
3. SITE ELECTRICAL LOADS ARE FED FROM TRANSIT CENTER ELECTRICAL SERVICE. REFER TO TRANSIT CENTER BUILDING ELECTRICAL PLANS FOR PANELBOARD SCHEDULES, ELECTRICAL AND I.T. ROOM LOCATIONS, AND LIGHTING CONTROLS INFORMATION.
4. PROVIDE ALL EMPTY CONDUITS WITH PULLSTRING.
5. ALL SPLICES SHALL BE MADE IN JUNCTION BOXES OR LIGHT POLES; DO NOT SPLICE WITHIN CONDUIT. REFER TO SPLICE DETAIL.
6. ALL DATA CABLING SHALL BE CONTINUOUS FROM I.T. ROOM PATCH PANEL TO DEVICE; NO SPLICING SHALL BE ALLOWED.
7. CONTRACTOR SHALL COORDINATE WITH OWNER FOR BUS EV CHARGING EQUIPMENT. CHARGING EQUIPMENT IS FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. IN ADDITION TO ELECTRICAL INFRASTRUCTURE, CONTRACTOR SHALL PROVIDE CONCRETE FOOTING. INSTALL PER MANUFACTURER REQUIREMENTS.
8. SEE CIVIL PLANS FOR SURVEY LINEWORK AND SYMBOLS LEGEND.
9. ELECTRICAL SERVICE PROVIDER: ENTERGY.
10. SECURITY CAMERAS AND ASSOCIATED CABLING AND HEAD-END EQUIPMENT IS PROVIDED BY OWNER. CONTRACTOR SHALL PROVIDE CONDUIT PATHWAYS AS INDICATED.
11. RTAS NUMBERS (I.E. 1S, 2N) ARE ONLY MEANT FOR CIRCUITING CLARITY. VERIFY IDENTIFICATION SCHEME IN FIELD PRIOR TO LABELLING CIRCUIT SCHEDULE.
12. LOW VOLTAGE WIRING, INCLUDING 0-10V DIMMING CONTROLS AND 48VDC CONTROLS WIRING, SHALL BE 600V RATED.
13. SEE ARCHITECTURAL PLANS FOR LIGHTING CONTROLS INFORMATION.
14. EXCEPT AS NOTED, CAT6 CABLE SHALL BE UNSHIELDED (UTP).
15. SEE LANDSCAPE IMPROVEMENT PLANS AND DETAILS FOR TREE LOCATIONS AND INSTALLATION NEAR UTILITIES AND LANDSCAPE INSTALLATIONS AROUND UTILITY TRANSFORMER AND EV CHARGING STATION.



**LEGEND / NOTES**

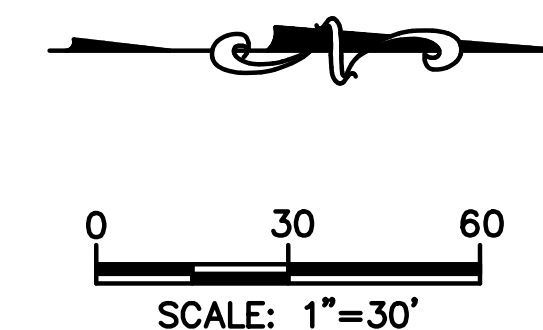
**ABBREVIATIONS/DEFINITIONS:**

- EV - ELECTRIC VEHICLE
- HVDC - EV CHARGING DC VOLTAGE (200-1000VDC)
- NEC - NATIONAL ELECTRIC CODE
- NESC - NATIONAL ELECTRIC SAFETY CODE
- RTAS - REAL TIME ARRIVAL SIGN
- STP - SHIELDED TWISTED PAIR
- UTP - UNSHIELDED TWISTED PAIR

EV CHARGER OR POWER BLOCK: EV EQUIPMENT USED TO CONVERT FROM BUILDING-SUPPLIED AC VOLTAGE TO DC VOLTAGE FOR BUS CHARGING.

EV DISPENSER OR POWER LINK: DC EQUIPMENT WITH CORD-AND-PLUG CONNECTOR FOR EV BUS CHARGING.

- UNDERGROUND CONDUIT, CONDUCTORS AS NOTED (TRENCHED). # INDICATES CONDUIT SIZE IN INCHES. \*\* INDICATES EMPTY CONDUIT WITH PULLSTRING.
- DECORATIVE POLE-MOUNTED LUMINAIRE
- SINGLE-HEAD POLE-MOUNTED LUMINAIRE
- DOUBLE-HEAD POLE-MOUNTED LUMINAIRE - 90DEG. X: LUMINAIRE TYPE.
- DOUBLE-HEAD POLE-MOUNTED LUMINAIRE - 180DEG. X: LUMINAIRE TYPE.
- EXTERIOR SECURITY CAMERA. X: CAMERA TYPE.
- JUNCTION BOX
- TYPE JB-3 GROUND MOUNTED JUNCTION BOX
- PEDESTAL-STYLE EV CHARGING STATION



SHEET NUMBER	E001
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED / L.T.D. / CHECKED / P.D.H.	
DATE	9/1/2022
SHEET	11 OF 9
NO.	
DATE	
REVISION DESCRIPTION	
BY	
<b>MOVETR</b>	
ELECTRICAL SITE PLAN	
NORTH TRANSIT CENTER	
<b>IBR</b> CITY OF BATON ROUGE CONTRACT ADMINISTRATION	
<b>HNTB</b>	

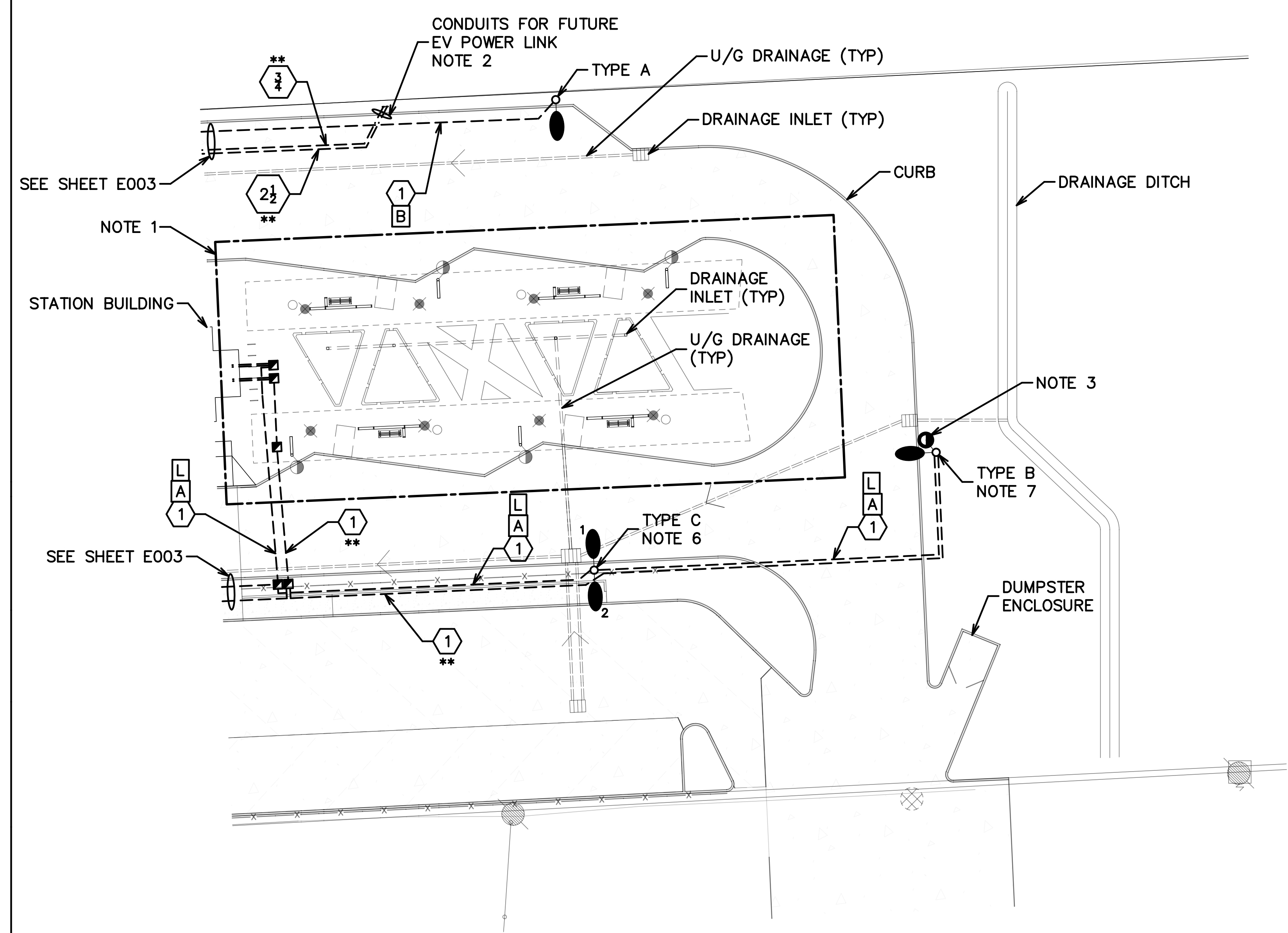
SHEET NUMBER	E002
PARRISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED / CHECKED / L/D	IPDH
DATE	9/1/2022
NO.	2 OF 9
REVISION DESCRIPTION	
DATE	
BY	

**CIRCUIT CALLOUTS**

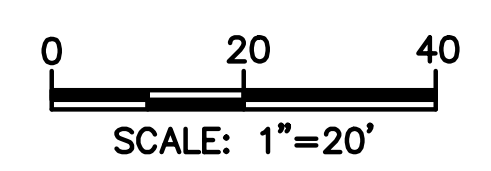
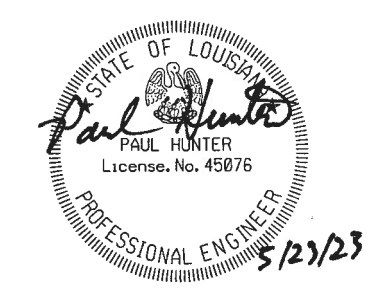
- [A]** PARKING LOT LTG EAST (SWITCHED)  
NOTE 4  
(2) #10, (1) #10 G.
- [B]** PARKING LOT LTG WEST (SWITCHED)  
NOTE 4  
(2) #10, (1) #10 G.
- [L]** PARKING LOT SECURITY AUXILIARY CKT  
NOTE 5  
(2) #12, (1) #12 G.

**PLAN NOTES**

1. ONLY CONDUITS FOR PARKING LOT LIGHTING, PARKING LOT SECURITY, AND EV CHARGING SHOWN. SEE SHEET E004 FOR ADDITIONAL WORK IN THIS AREA (I.E. PLAZA AREA LIGHTING AND SECURITY).
2. EQUIPMENT TO BE INSTALLED AT FUTURE DATE. PROVIDE EMPTY CONDUITS AS INDICATED AND CAP BELOW GRADE FOR FUTURE USE. PROVIDE ALUMINUM MARKER WITH "CONDUIT" TEXT AND SET INTO CONCRETE CURB WHERE CONDUIT CROSSES CURB.
3. PROPOSED SECURITY CAMERA LOCATION. SECURITY CAMERAS PROVIDED BY OWNER - SEE GENERAL NOTES ON SHEET E001.
4. PROVIDE 0-10V WIRING FOR DIMMING CONTROL OF FIXTURE FROM LIGHTING CONTROLS SYSTEM. ROUTE WITHIN SAME CONDUIT AS POWER WIRING.
5. UNSWITCHED AUXILIARY CIRCUIT FOR USE BY OWNER'S SECURITY VENDOR.
6. PASS CIRCUIT 'L' THROUGH LIGHT POLE UNSPLICED AND ON TO NEXT LIGHT POLE.
7. CAP CIRCUIT 'L' IN LIGHT POLE NEAR HANDHOLE FOR FUTURE USE.



**ELECTRICAL SITE PLAN - PARKING LOT NORTH**



ELECTRICAL SITE PLAN  
PARKING LOT NORTH  
NORTH TRANSIT CENTER







SHEET NUMBER	E004
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	LTD
CHECKED	IPDH
DATE	9/1/2022
SHEET	4 OF 9
NO.	
DATE	
BY	
REVISION DESCRIPTION	

**CIRCUIT CALLOUTS**

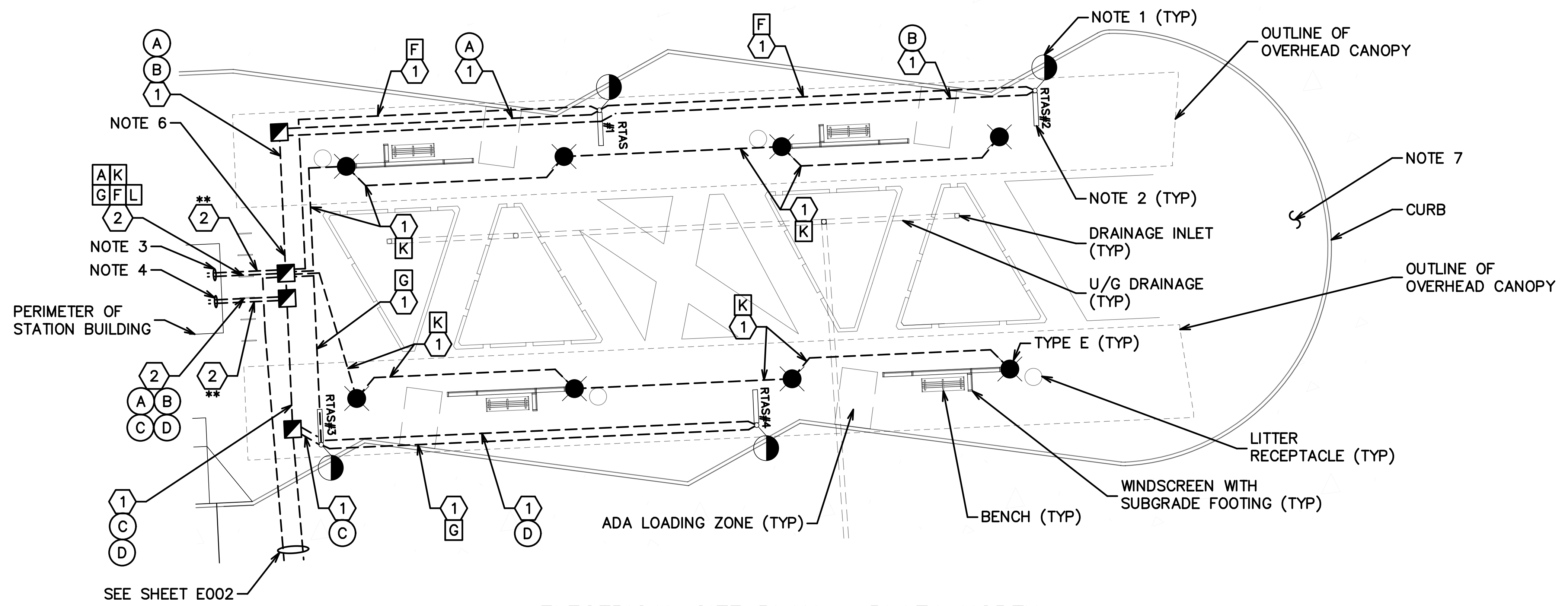
- [A]** PARKING LOT LTG EAST (SWITCHED)  
NOTE 5  
(2) #10, (1) #10 G.
- [F]** RTAS NORTH #1 & #2  
(2) #10, (1) #10 G.
- [G]** RTAS NORTH #3 & #4  
(2) #12, (1) #12 G.
- [K]** PEDESTRIAN LIGHTING NORTH (SWITCHED)  
NOTE 5  
(2) #10, (1) #10 G.

**DATA CABLING CALLOUTS**

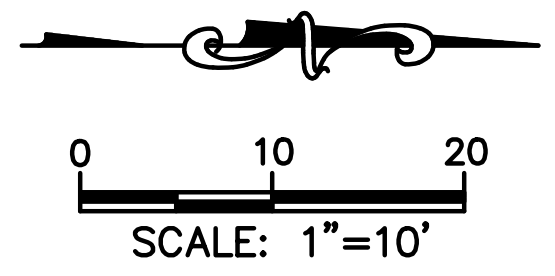
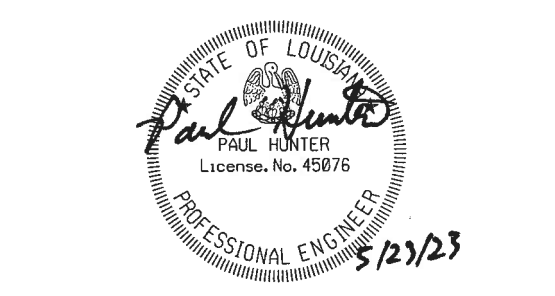
- (A)** RTAS NORTH #1  
(1) CAT6
- (B)** RTAS NORTH #2  
(1) CAT6
- (C)** RTAS NORTH #3  
(1) CAT6
- (D)** RTAS NORTH #4  
(1) CAT6

**PLAN NOTES**

1. PROPOSED SECURITY CAMERA LOCATION. SECURITY CAMERAS PROVIDED BY OWNER - SEE GENERAL NOTES ON SHEET E001.
2. MAKE ELECTRICAL AND DATA CONNECTION TO RTAS. RE: RTAS POLE DETAIL FOR ADDITIONAL INFORMATION.
3. TO BUILDING ELECTRICAL ROOM.
4. TO BUILDING I.T. ROOM. SEE ARCHITECTURAL PLANS.
5. PROVIDE 0-10V WIRING FOR DIMMING CONTROL OF FIXTURE FROM LIGHTING CONTROLS SYSTEM. ROUTE WITHIN SAME CONDUIT AS POWER WIRING.
6. ROUTE DATA CONDUIT UNDER POWER JUNCTION BOX AND UP INTO DATA JUNCTION BOX.
7. COORDINATE CONDUIT DEPTH AND ROUTING THROUGHOUT PLATFORM AREA WITH CANOPY COLUMN FOUNDATIONS. SEE ARCHITECTURAL PLANS.



**ELECTRICAL SITE PLAN - PLAZA NORTH**



ELECTRICAL SITE PLAN  
PLAZA NORTH  
NORTH TRANSIT CENTER



SHEET NUMBER	E005
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	LTD
CHECKED	IPDH
DATE	9/1/2022
SHEET	5 OF 9
NO.	
DATE	
BY	
REVISION DESCRIPTION	

**CIRCUIT CALLOUTS**

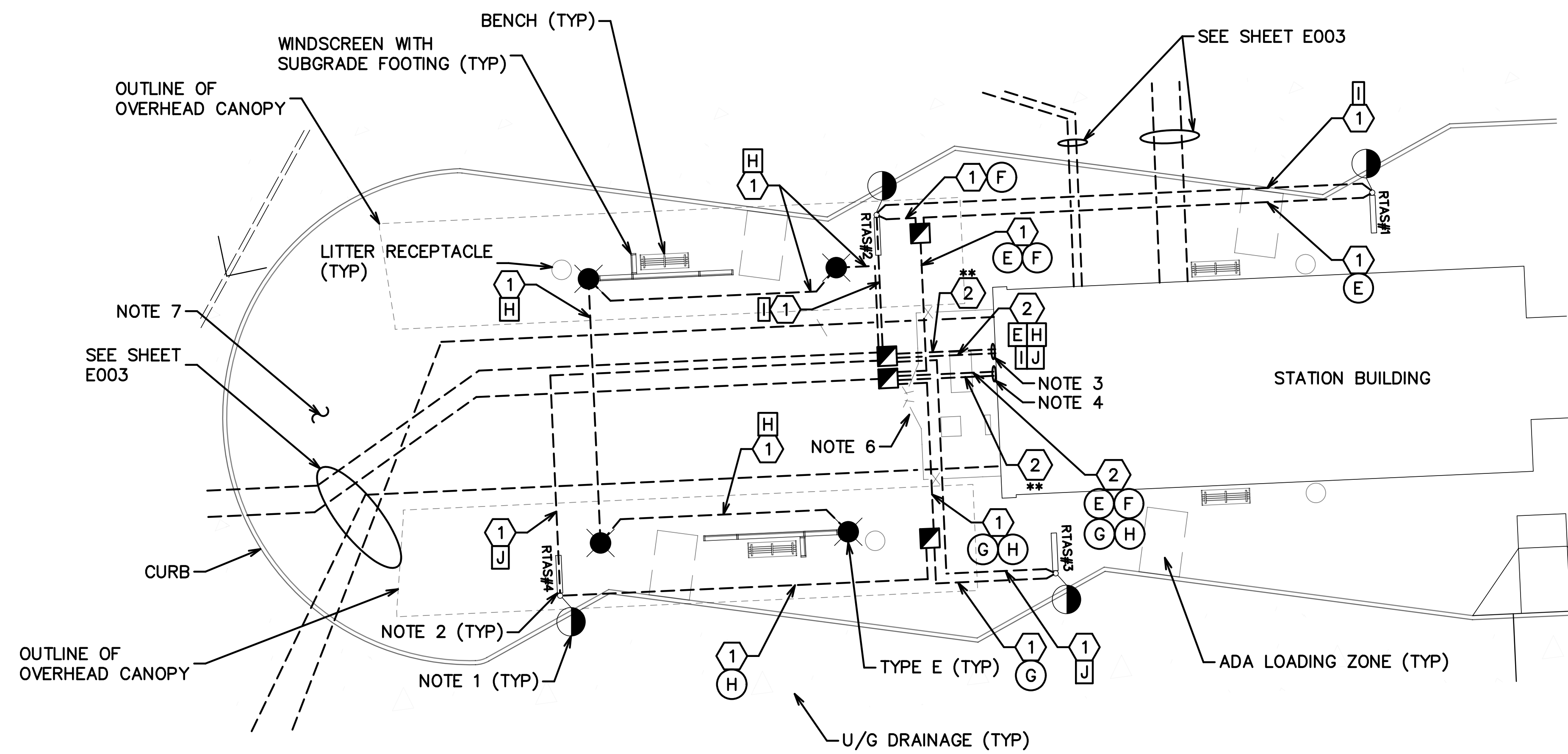
- E** MONUMENT SIGN (SWITCHED)  
(2) #8, (1) #8 G.
- H** PEDESTRIAN LIGHTING SOUTH (SWITCHED)  
NOTE 5  
(2) #12, (1) #12 G.
- I** RTAS SOUTH #1 & #2  
(2) #12, (1) #12 G.
- J** RTAS SOUTH #3 & #4  
(2) #12, (1) #12 G.

**DATA CABLING CALLOUTS**

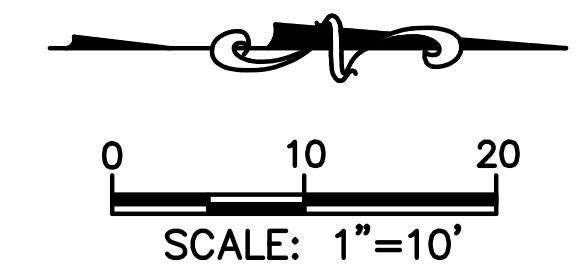
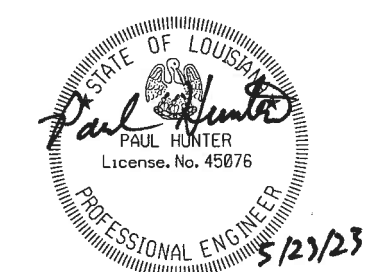
- E** RTAS SOUTH #1  
(1) CAT6
- F** RTAS SOUTH #2  
(1) CAT6
- G** RTAS SOUTH #3  
(1) CAT6
- H** RTAS SOUTH #4  
(1) CAT6

**PLAN NOTES**

1. PROPOSED SECURITY CAMERA LOCATION. SECURITY CAMERAS PROVIDED BY OWNER – SEE GENERAL NOTES ON SHEET E001.
2. MAKE ELECTRICAL AND DATA CONNECTION TO RTAS. RE: RTAS POLE DETAIL FOR ADDITIONAL INFORMATION.
3. TO BUILDING ELECTRICAL ROOM. SEE ARCHITECTURAL PLANS.
4. TO BUILDING I.T. ROOM. SEE ARCHITECTURAL PLANS.
5. PROVIDE 0–10V WIRING FOR DIMMING CONTROL OF FIXTURE FROM LIGHTING CONTROLS SYSTEM. ROUTE WITHIN SAME CONDUIT AS POWER WIRING.
6. ARCHITECTURAL SCREEN WALL ENCLOSING BUILDING MEP EQUIPMENT. SEE ARCHITECTURAL SHEETS. COORDINATE CONDUIT ROUTING WITH POST FOUNDATIONS.
7. COORDINATE CONDUIT DEPTH AND ROUTING THROUGHOUT PLATFORM AREA WITH CANOPY COLUMN FOUNDATIONS. SEE ARCHITECTURAL PLANS.



**ELECTRICAL SITE PLAN – PLAZA SOUTH**



ELECTRICAL SITE PLAN  
PLAZA SOUTH  
NORTH TRANSIT CENTER

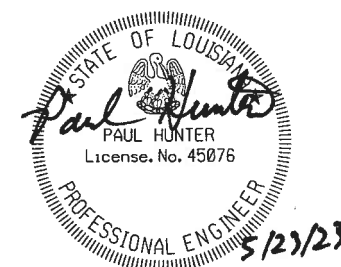


LIGHT FIXTURE SCHEDULE									
TAG	MANUFACTURER	BASIS-OF-DESIGN			WATTAGE	VOLTAGE	FINISH	POLE DESIGNATION	DESCRIPTION
		MODEL	LAMP						
A	MCGRRAW-EDISON	BAA-GLEON-SA3B-740-SL3-xxx-CC	LED, 4000K 17,447 LUMENS TYPE 3		124	120	TBD	P1	POLE-MOUNTED AREA LIGHT WITH DIE-CAST ALUMINUM END CAPS AND HEAT SINK AND INTEGRAL DRIVER MOUNTED IN EXTRUDED ALUMINUM ENCLOSURE. STANDARD WITH EXTRUDED ARM AND POLE ADAPTER. PROVIDE WITH 'COASTAL CONSTRUCTION' FINISH. PROVIDE WITH SPILL CONTROL, 800mA DRIVE CURRENT. EXTERIOR RATED, BUY AMERICA COMPLIANT.
B	MCGRRAW-EDISON	BAA-GLEON-SA4B-740-SL3-xxx-CC	LED, 4000K 23,053 LUMENS TYPE 3		171	120	TBD	P1	POLE-MOUNTED AREA LIGHT WITH DIE-CAST ALUMINUM END CAPS AND HEAT SINK AND INTEGRAL DRIVER MOUNTED IN EXTRUDED ALUMINUM ENCLOSURE. STANDARD WITH EXTRUDED ARM AND POLE ADAPTER. PROVIDE WITH 'COASTAL CONSTRUCTION' FINISH. PROVIDE WITH SPILL CONTROL, 800mA DRIVE CURRENT. EXTERIOR RATED, BUY AMERICA COMPLIANT.
C	MCGRRAW-EDISON	HEAD 1: BAA-GLEON-SA3-740-SL3-xxx-CC HEAD 2: BAA-GLEON-SA3-740-SL4-xxx-CC	HEAD 1 LED, 4000K 17,447 LUMENS TYPE 3	HEAD 2: LED 4000K 16,557 LUMENS TYPE 4	248	120	TBD	P2	POLE-MOUNTED AREA LIGHT WITH DIE-CAST ALUMINUM END CAPS AND HEAT SINK AND INTEGRAL DRIVER MOUNTED IN EXTRUDED ALUMINUM ENCLOSURE. STANDARD WITH EXTRUDED ARM AND POLE ADAPTER. PROVIDE WITH 'COASTAL CONSTRUCTION' FINISH. PROVIDE WITH SPILL CONTROL, 800mA DRIVE CURRENT. EXTERIOR RATED, BUY AMERICA COMPLIANT.
D	MCGRRAW-EDISON	HEAD 1 & 2: BAA-GLEON-SA3-740-SL4-xxx-CC	HEADS 1&2 LED, 4000K 16,557 LUMENS TYPE 4		248	120	TBD	P3	POLE-MOUNTED AREA LIGHT WITH DIE-CAST ALUMINUM END CAPS AND HEAT SINK AND INTEGRAL DRIVER MOUNTED IN EXTRUDED ALUMINUM ENCLOSURE. STANDARD WITH EXTRUDED ARM AND POLE ADAPTER. PROVIDE WITH 'COASTAL CONSTRUCTION' FINISH. (2) LUMINAIRES AT 90 DEGREES, PROVIDE WITH SPILL CONTROL, 800mA DRIVE CURRENT. EXTERIOR RATED, BUY AMERICA COMPLIANT.
E	LUMINIS	CL640-L8L100-CLP694-120V-xxx-MG-K4	LED, 4000K		101	120	TBD	P4	POLE-MOUNTED PEDESTRIAN LIGHT WITH NOMINAL 6" DIAMETER x 4'-0" TALL CYLINDRICAL DIFFUSER MOUNTED TO 6" DIAMETER x 8'-0" POLE. DIFFUSER: HIGH IMPACT, WHITE, UV-STABILIZED ACRYLIC WITH CAST ALUMINUM CAP AND INTEGRAL HEAT SINK. DRIVER MOUNTED WITHIN POLE. PROVIDE WITH MARINE GRADE FINISH. EXTERIOR RATED, BUY AMERICA COMPLIANT.

LIGHT POLE SCHEDULE					
TAG	MANUFACTURER	BASIS-OF-DESIGN		FINISH	DESCRIPTION
		MODEL	POLE HEIGHT		
P1	COOPER	RTA-8-L-25-A-xxx-N-1-H	25FT	TBD	ROUND 8" NOMINAL DIAMETER TAPERED ALUMINUM POLE, "COASTAL CONSTRUCTION" FINISH, SINGLE HEAD. STANDARD WITH HANDHOLE AND MANUFACTURER'S ANCHOR BOLTS. PROVIDE ADDITIONAL HANDHOLE APPROXIMATELY 6" BELOW CAMERA MOUNT HEIGHT. BUY AMERICA COMPLIANT.
P2	COOPER	RTA-8-L-25-A-xxx-N-2-H	25FT	TBD	ROUND 8" NOMINAL DIAMETER TAPERED ALUMINUM POLE, "COASTAL CONSTRUCTION" FINISH, TWO HEADS AT 180 DEGREES. STANDARD WITH HANDHOLE AND MANUFACTURER'S ANCHOR BOLTS. PROVIDE ADDITIONAL HANDHOLE APPROXIMATELY 6" BELOW CAMERA MOUNT HEIGHT. BUY AMERICA COMPLIANT.
P3	COOPER	RTA-8-L-25-A-xxx-N-5-H	25FT	TBD	ROUND 8" NOMINAL DIAMETER TAPERED ALUMINUM POLE, "COASTAL CONSTRUCTION" FINISH, TWO HEADS AT 90 DEGREES. STANDARD WITH HANDHOLE AND MANUFACTURER'S ANCHOR BOLTS. PROVIDE ADDITIONAL HANDHOLE APPROXIMATELY 6" BELOW CAMERA MOUNT HEIGHT. BUY AMERICA COMPLIANT.
P4	LUMINIS	SEE LIGHT FIXTURE SCHEDULE	8FT	TBD	ROUND 6" NOMINAL DIAMETER STRAIGHT EXTRUDED ALUMINUM POLE, "MARINE GRADE" FINISH. FURNISHED AS SINGLE PIECE WITH LUMINAIRE. STANDARD WITH HANDHOLE AND MANUFACTURER'S ANCHOR BOLTS. BUY AMERICA COMPLIANT.

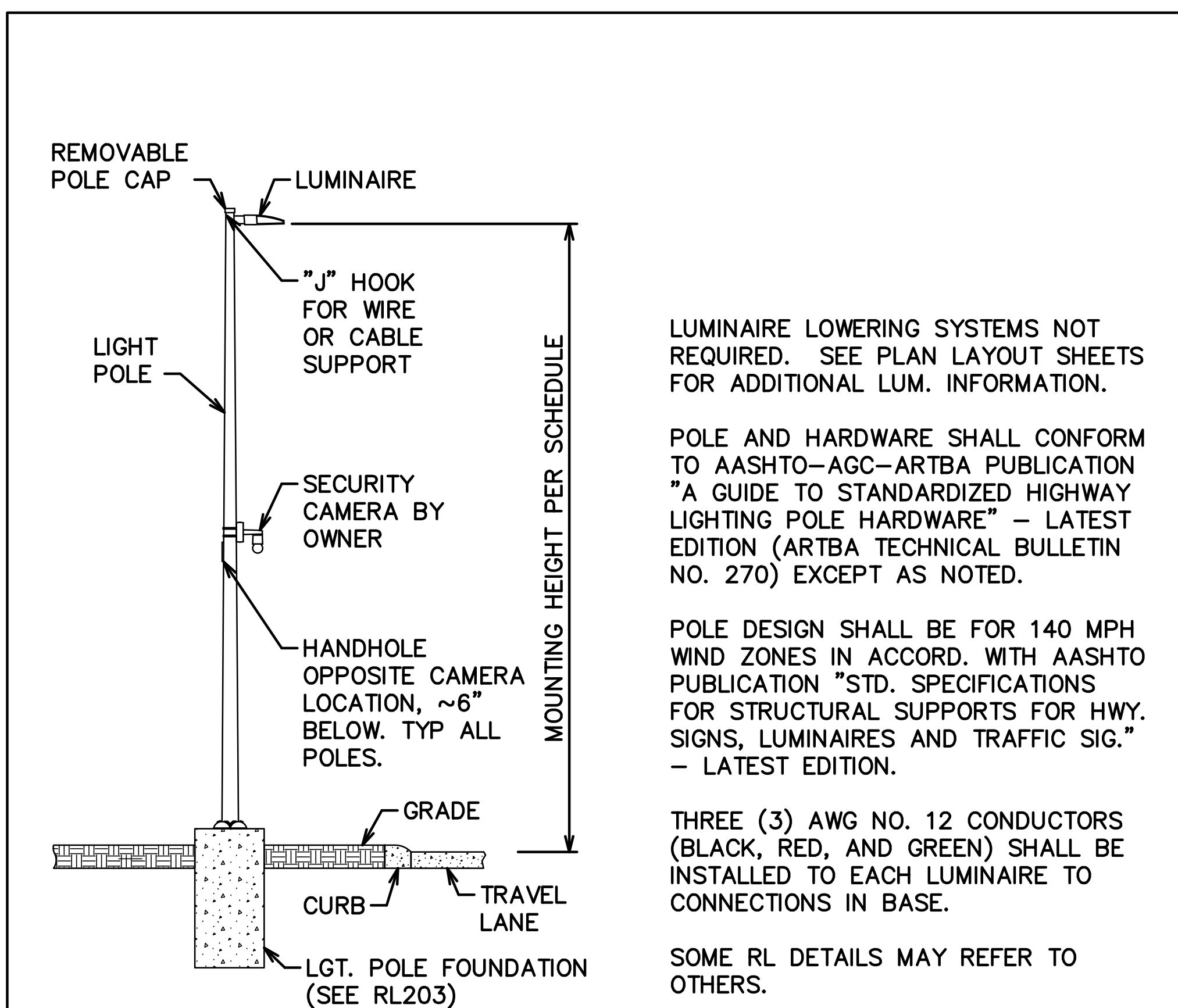
VOLTAGE DROP SCHEDULE						
CIRCUIT NAME	WIRING	CKT LOAD (VA)	CKT VOLTAGE (V)	DISTANCE (FT)	CALCULATED VOLTAGE DROP (V)	CALCULATED VOLTAGE DROP (%)
PARKING LOT LIGHTING EAST	#10 AWG, CU	915	120, 1PH	354	3.00	2.5
PARKING LOT LIGHTING WEST	#10 AWG, CU	620	120, 1PH	257	2.29	1.9
EV CHARGING	500KCMIL, CU	216,160	480, 3PH	145	2.64 (L-L)	0.55
MONUMENT SIGN	#8 AWG, CU	1200	120, 1PH	196	3.20	2.7
RTAS NORTH #1 & #2	#10 AWG, CU	500	120, 1PH	214	1.66	1.4
RTAS NORTH #3 & #4	#12 AWG, CU	500	120, 1PH	175	2.46	2.1
PEDESTRIAN LIGHTING NORTH	#10 AWG, CU	808	120, 1PH	218	1.80	1.5
RTAS SOUTH #1 & #2	#12 AWG, CU	500	120, 1PH	141	1.75	1.5
RTAS SOUTH #3 & #4	#12 AWG, CU	500	120, 1PH	192	2.62	2.18
PEDESTRIAN LIGHTING SOUTH	#12 AWG, CU	404	120, 1PH	164	1.52	1.3

NOTE: VOLTAGE DROP SHOWN IS CALCULATED FOR FURTHEST LIGHT POLE. CALCULATION ACCOUNTS FOR DECREASE IN LOAD WHERE WIRING SPLITS AND/OR AFTER EQUIPMENT IS CONNECTED (I.E. PARKING LOT LIGHTING CKT LOAD DROPS AFTER EACH LUMINAIRE). DISTANCE IS ESTIMATED.



SHEET NUMBER	E006
PARRISH	EAST BATON ROUGE PARRISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	LTD
CHECKED	IPDH
DATE	9/1/2022
SHEET	6 OF 9
NO.	
DATE	
REVISION DESCRIPTION	
BY	
<b>ELECTRICAL SCHEDULES</b> <b>NORTH TRANSIT CENTER</b>	

SHEET NUMBER	E007
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	LTD
CHECKED	IPDH
DATE	9/1/2022
BY	
NO.	
DATE	
REVISION DESCRIPTION	



LUMINAIRE LOWERING SYSTEMS NOT REQUIRED. SEE PLAN LAYOUT SHEETS FOR ADDITIONAL LUM. INFORMATION.

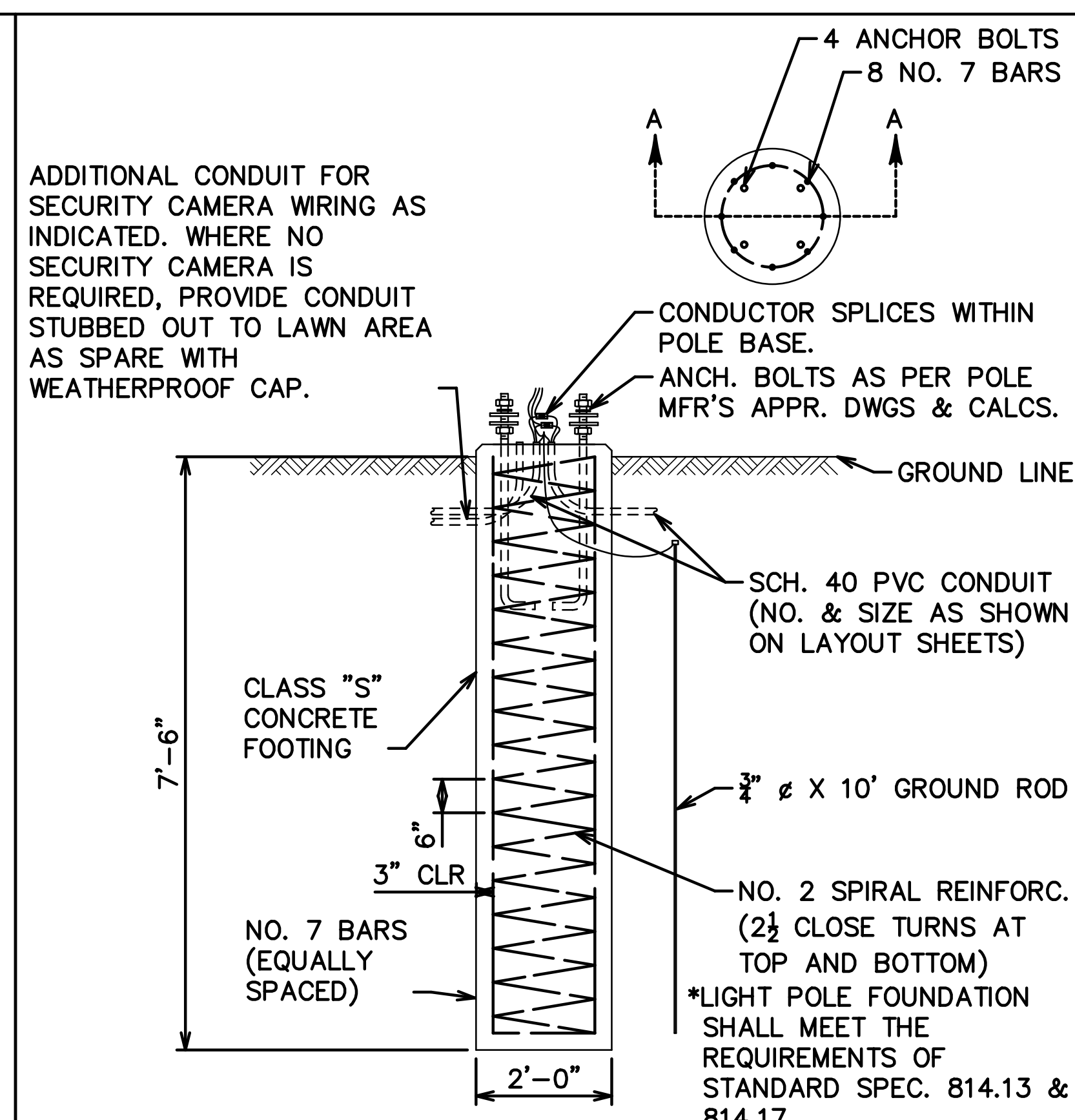
POLE AND HARDWARE SHALL CONFORM TO AASHTO-AGC-ARTBA PUBLICATION "A GUIDE TO STANDARDIZED HIGHWAY LIGHTING POLE HARDWARE" - LATEST EDITION (ARTBA TECHNICAL BULLETIN NO. 270) EXCEPT AS NOTED.

POLE DESIGN SHALL BE FOR 140 MPH WIND ZONES IN ACCORD. WITH AASHTO PUBLICATION "STD. SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HWY. SIGNS, LUMINAIRES AND TRAFFIC SIG." - LATEST EDITION.

THREE (3) AWG NO. 12 CONDUCTORS (BLACK, RED, AND GREEN) SHALL BE INSTALLED TO EACH LUMINAIRE TO CONNECTIONS IN BASE.

SOME RL DETAILS MAY REFER TO OTHERS.

TYPICAL LIGHT POLE INSTALLATION (PARKING LOT POLES)



ADDITIONAL CONDUIT FOR SECURITY CAMERA WIRING AS INDICATED. WHERE NO SECURITY CAMERA IS REQUIRED, PROVIDE CONDUIT STUBBED OUT TO LAWN AREA AS SPARE WITH WEATHERPROOF CAP.

CONDUCTOR SPLICES WITHIN POLE BASE.

ANCH. BOLTS AS PER POLE MFR'S APPR. DWGS & CALCS.

SCH. 40 PVC CONDUIT (NO. & SIZE AS SHOWN ON LAYOUT SHEETS)

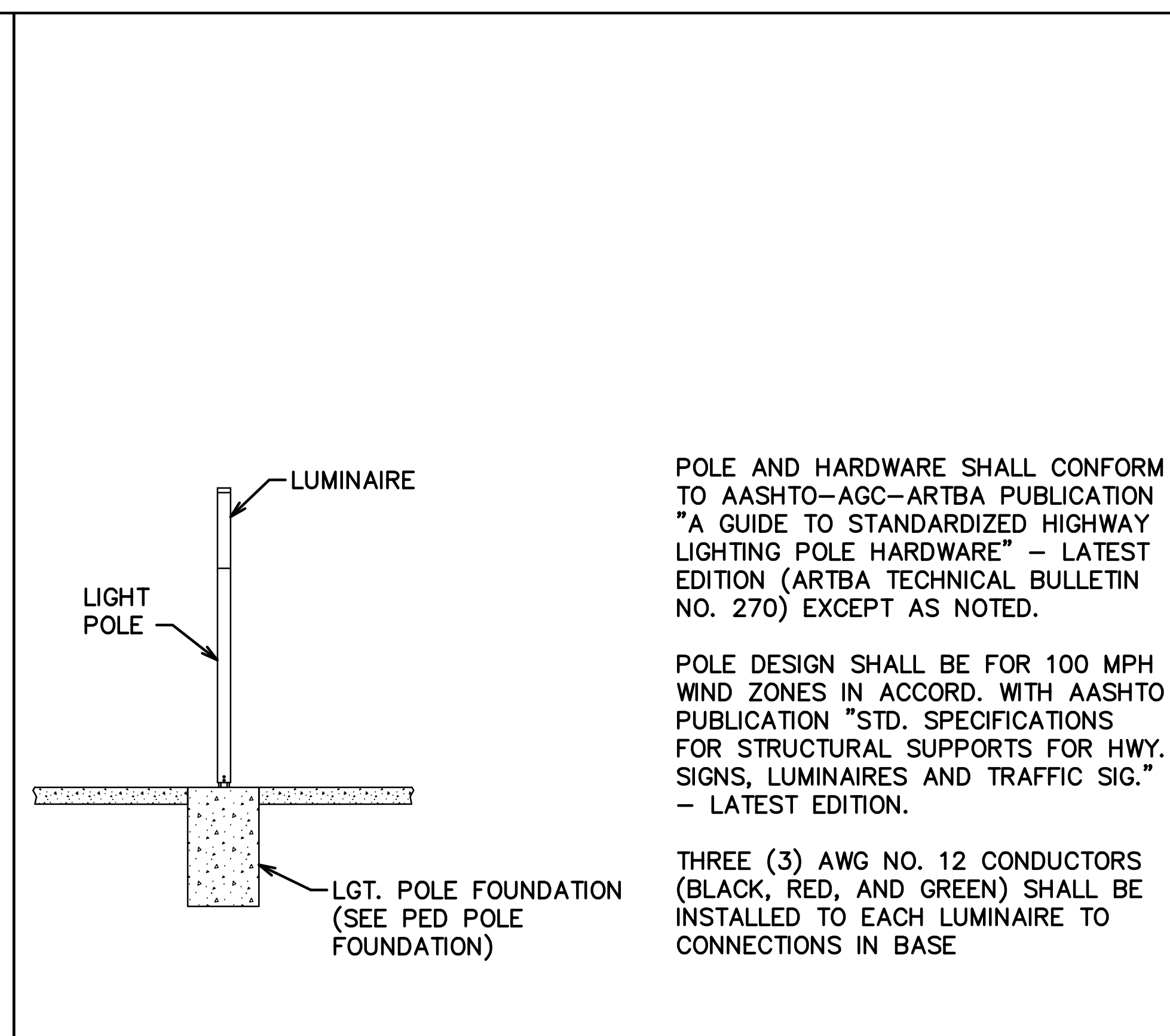
CLASS "S" CONCRETE FOOTING

NO. 7 BARS (EQUALLY SPACED)

NO. 2 SPIRAL REINFORC. (2 1/2 CLOSE TURNS AT TOP AND BOTTOM)

\*LIGHT POLE FOUNDATION SHALL MEET THE REQUIREMENTS OF STANDARD SPEC. 814.13 & 814.17.

TYPICAL LIGHT POLE FOUNDATION (PARKING LOT POLES)



POLE AND HARDWARE SHALL CONFORM TO AASHTO-AGC-ARTBA PUBLICATION "A GUIDE TO STANDARDIZED HIGHWAY LIGHTING POLE HARDWARE" - LATEST EDITION (ARTBA TECHNICAL BULLETIN NO. 270) EXCEPT AS NOTED.

POLE DESIGN SHALL BE FOR 100 MPH WIND ZONES IN ACCORD. WITH AASHTO PUBLICATION "STD. SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HWY. SIGNS, LUMINAIRES AND TRAFFIC SIG." - LATEST EDITION.

THREE (3) AWG NO. 12 CONDUCTORS (BLACK, RED, AND GREEN) SHALL BE INSTALLED TO EACH LUMINAIRE TO CONNECTIONS IN BASE.

TYPICAL LIGHT POLE INSTALLATION (PEDESTRIAN POLES)

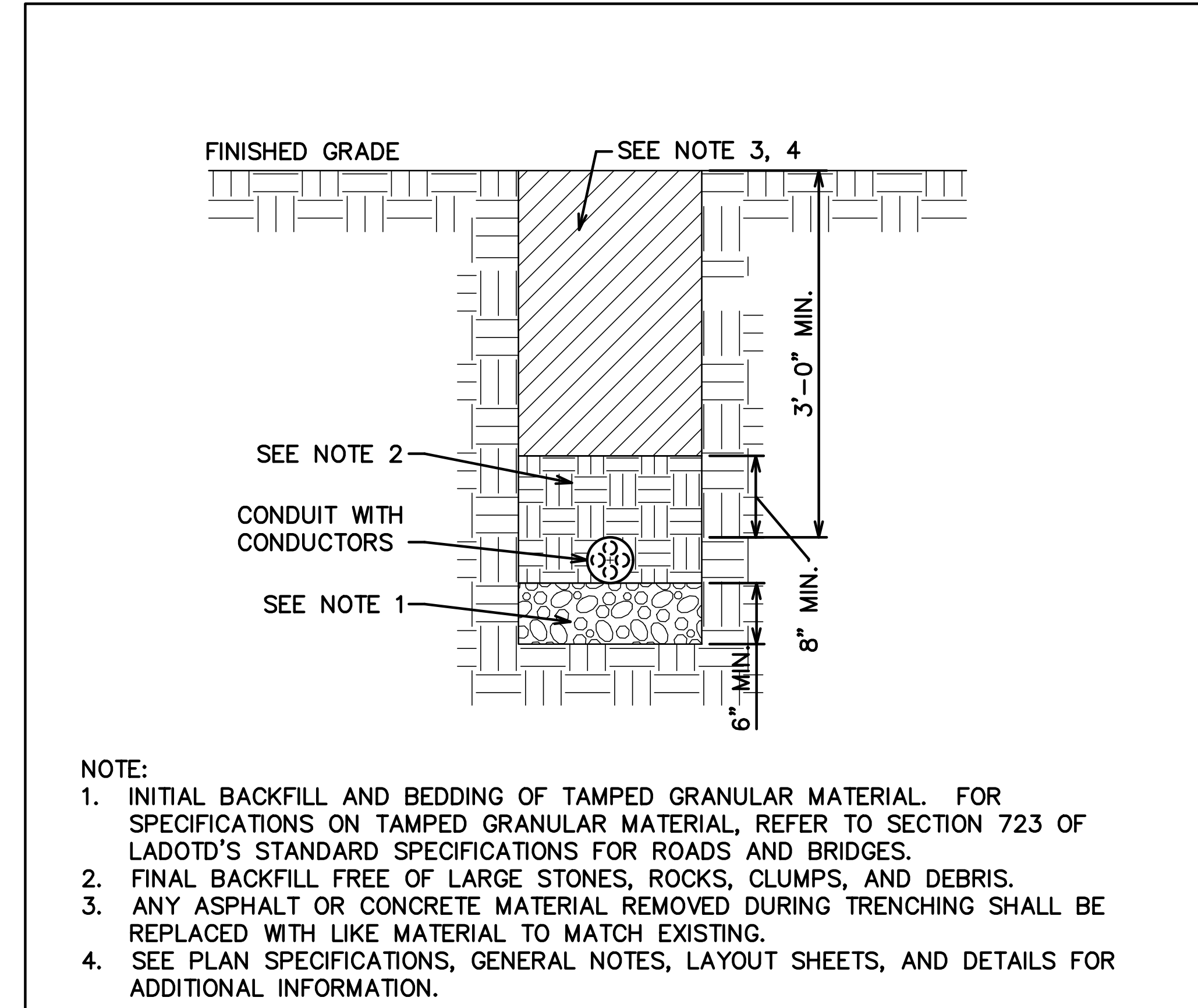
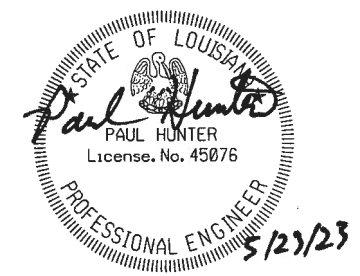
MODIFIED LADOTD DETAIL.

MODIFIED LADOTD DETAIL.

LADOTD DETAIL MODIFICATIONS

- DETAIL RL101d:
1. CHANGED SUBTITLE TO 'PARKING LOT POLES'.
  2. REMOVED MOWING APRON AND ADJACENT JUNCTION BOX.
  3. REMOVED BREAKAWAY ASSEMBLY.
  4. REVISED LUMINAIRE TYPE TO BE BRACKET-MOUNT IN LIEU OF ARM-MOUNT.
  5. REMOVED POLE MARKER DECAL AND OWNER SHIP PLATE.
  6. ADDED CAMERA BRACKET.

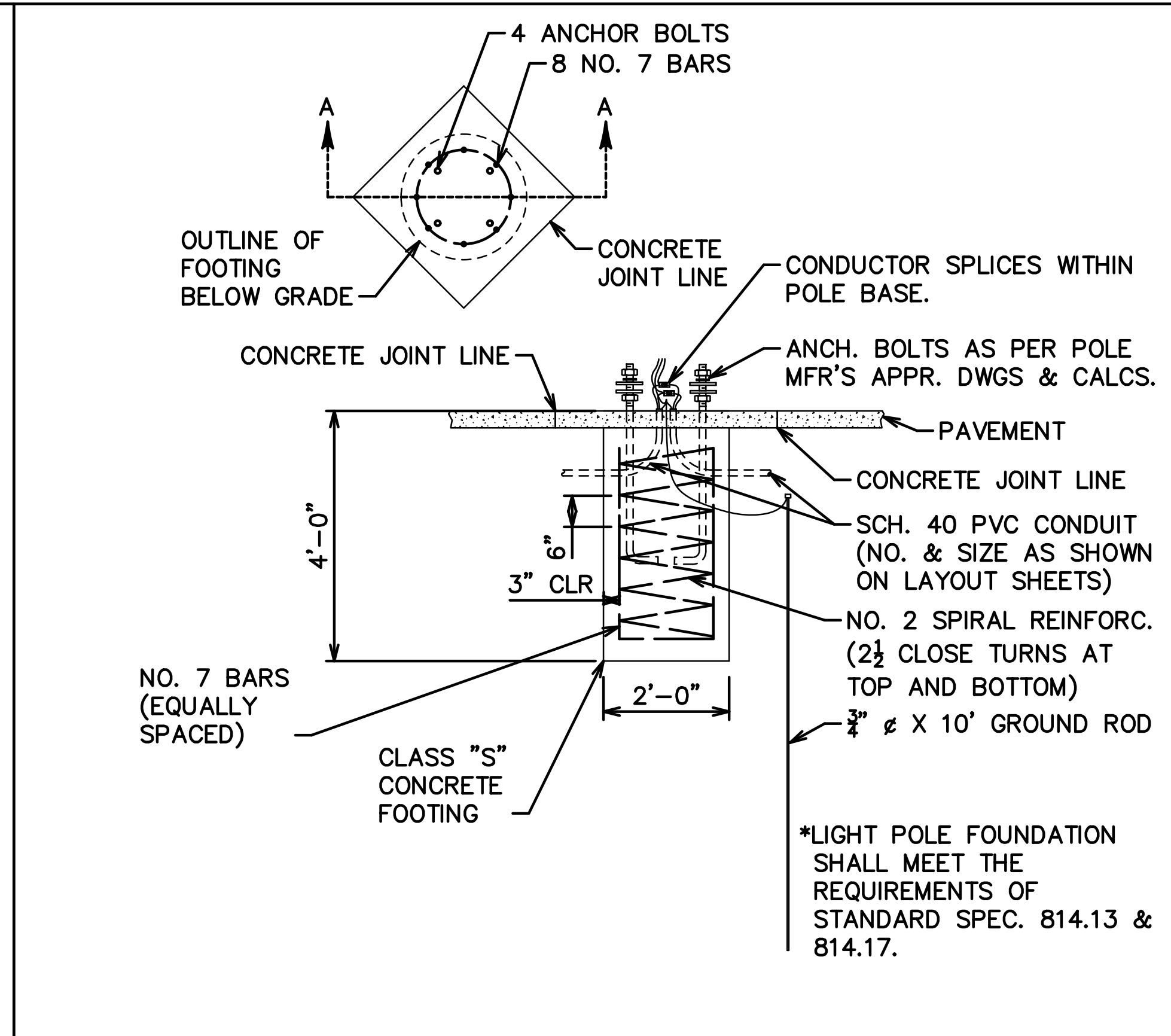
- DETAIL RL203:
1. CHANGED SUBTITLE TO 'PARKING LOT POLES'.
  2. REMOVED MOWING APRON AND ADJACENT JUNCTION BOX.



- NOTE:
1. INITIAL BACKFILL AND BEDDING OF TAMPED GRANULAR MATERIAL. FOR SPECIFICATIONS ON TAMPED GRANULAR MATERIAL, REFER TO SECTION 723 OF LADOTD'S STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.
  2. FINAL BACKFILL FREE OF LARGE STONES, ROCKS, CLUMPS, AND DEBRIS.
  3. ANY ASPHALT OR CONCRETE MATERIAL REMOVED DURING TRENCHING SHALL BE REPLACED WITH LIKE MATERIAL TO MATCH EXISTING.
  4. SEE PLAN SPECIFICATIONS, GENERAL NOTES, LAYOUT SHEETS, AND DETAILS FOR ADDITIONAL INFORMATION.

TRENCHING DETAIL (TYPICAL) (CONDUIT WITH CONDUCTORS RATED 600 VOLTS AND BELOW)

STANDARD LADOTD DETAIL.



\*LIGHT POLE FOUNDATION SHALL MEET THE REQUIREMENTS OF STANDARD SPEC. 814.13 & 814.17.

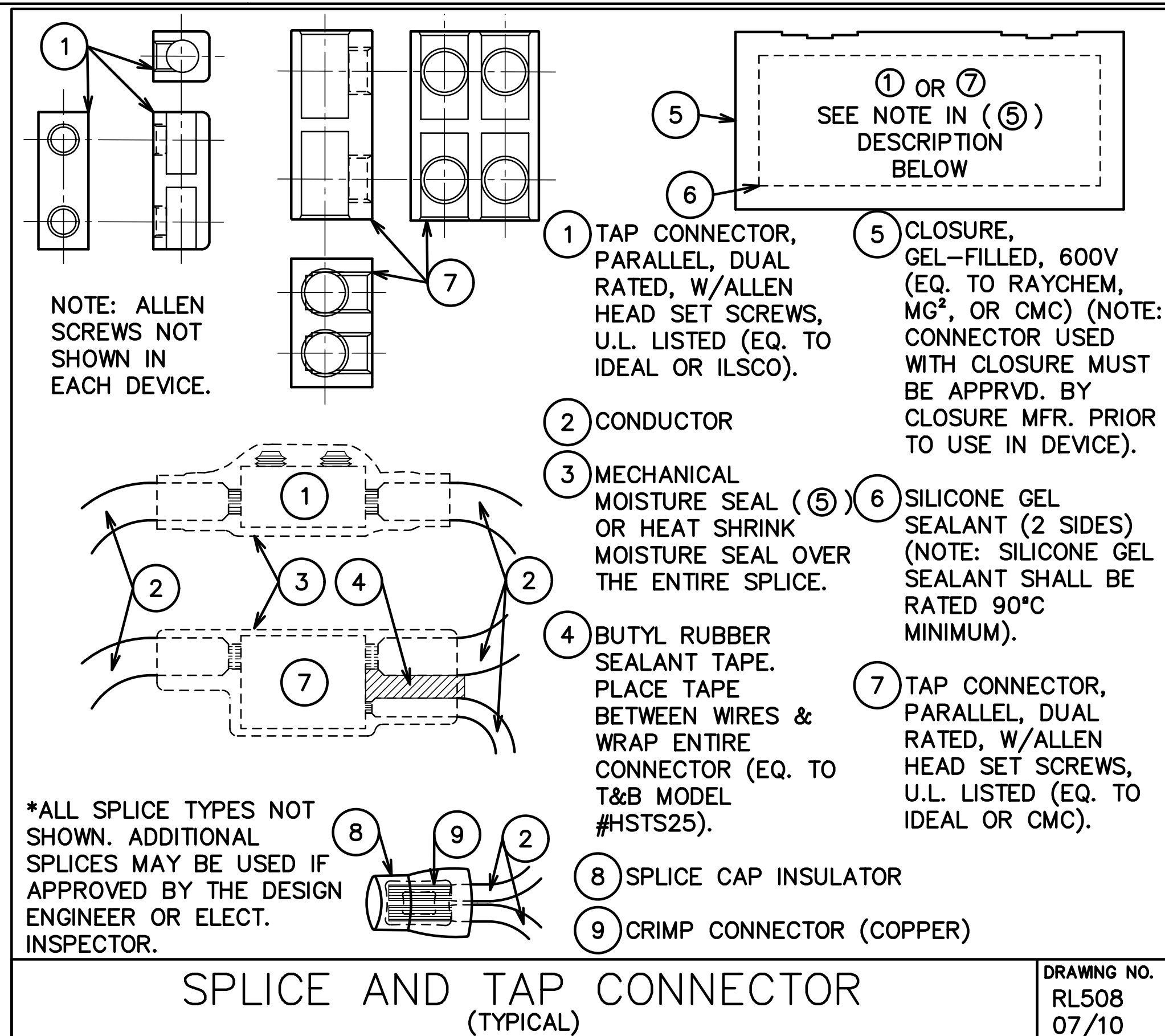
TYPICAL LIGHT POLE FOUNDATION (PEDESTRIAN POLES)

DRAWING NO. RL513 06/10

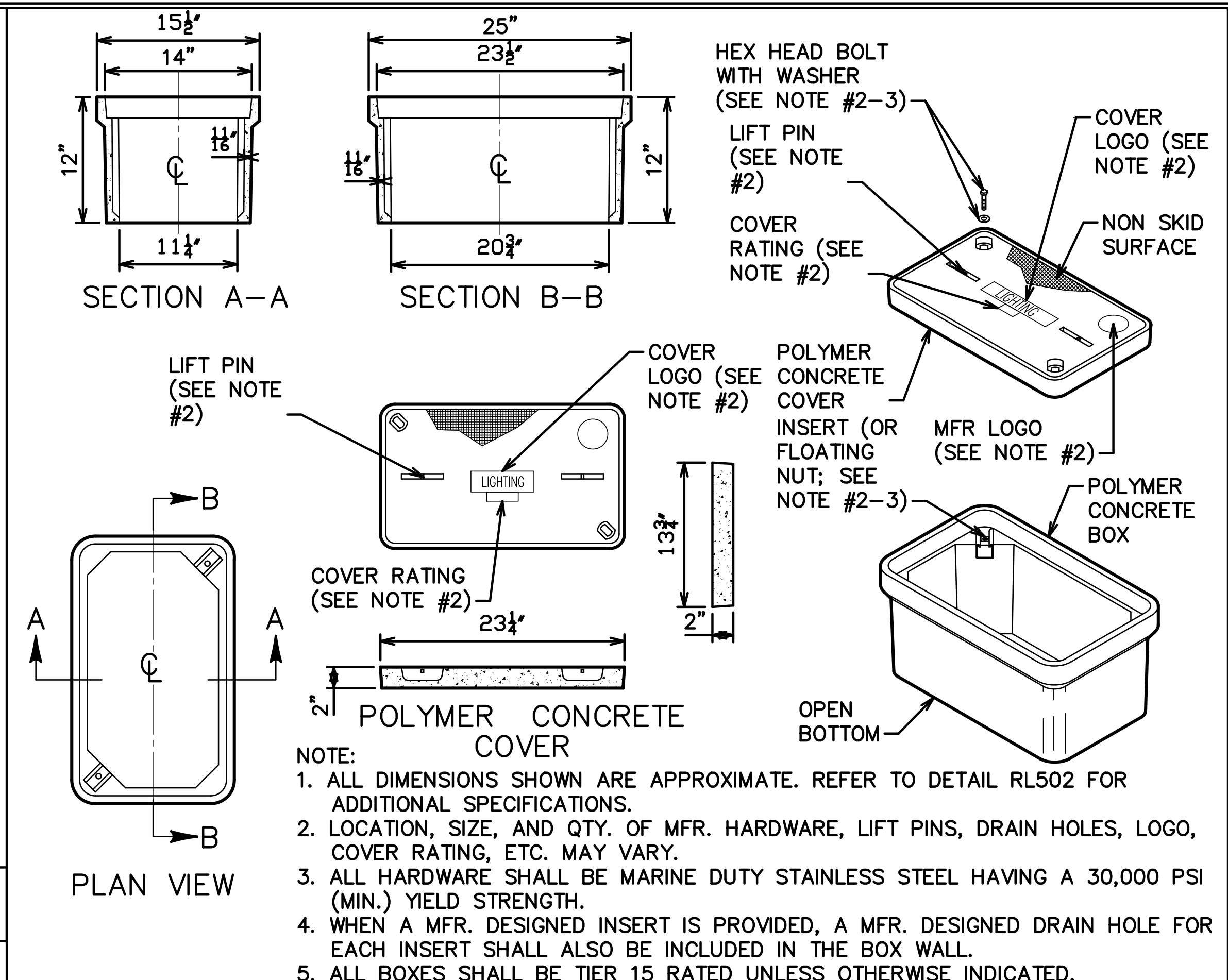


ELECTRICAL DETAILS  
NORTH TRANSIT CENTER



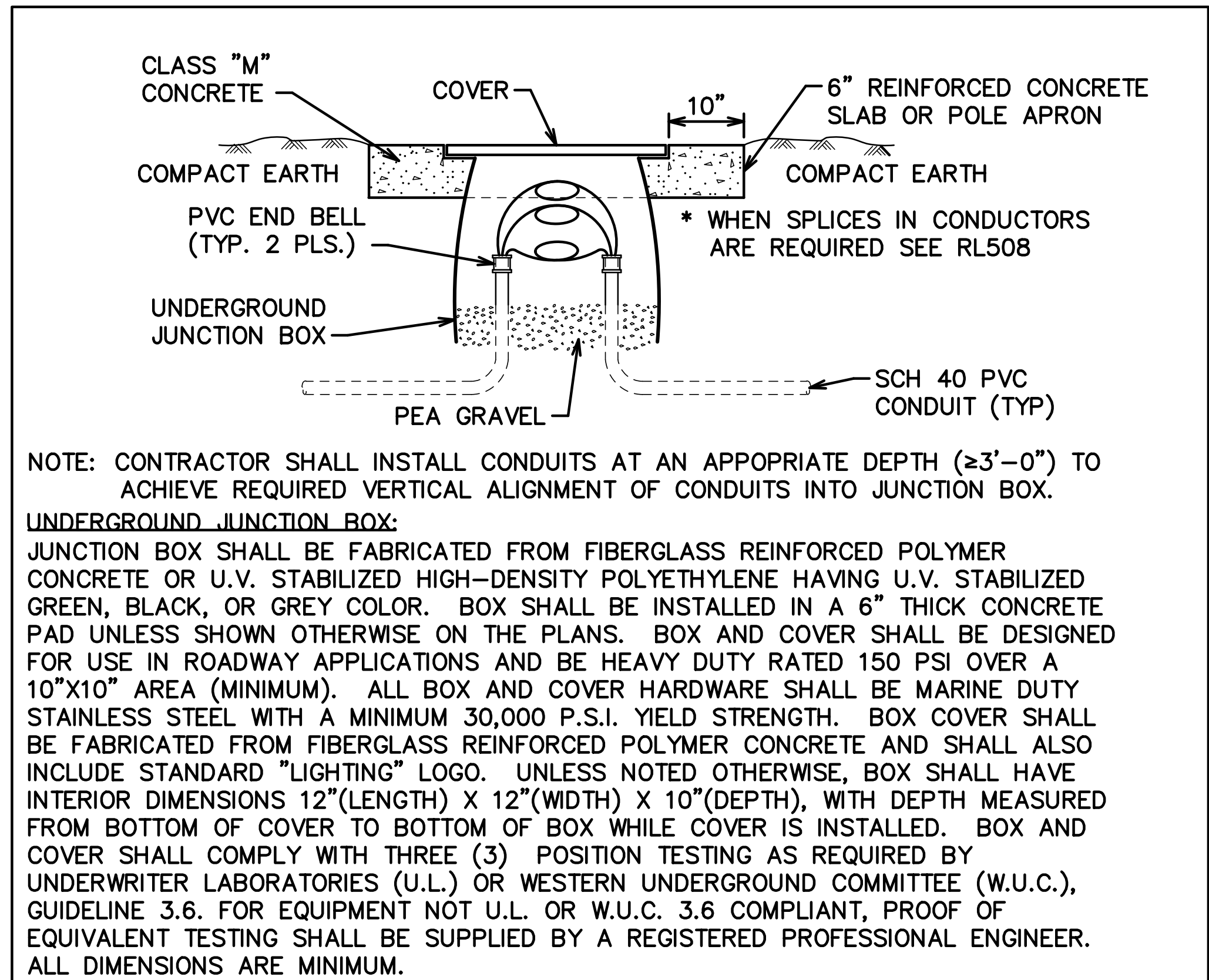


STANDARD LADOTD DETAIL.



STANDARD LADOTD DETAIL.

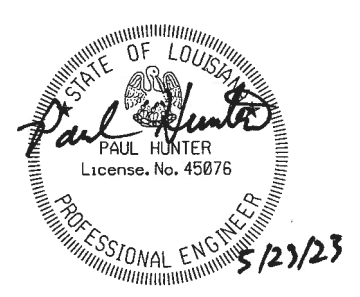
LADOTD DETAIL MODIFICATIONS  
DETAIL RL502:  
1. REMOVED REFERENCE TO 'LOOP PHASE DETECTORS.'



**UNDERGROUND JUNCTION BOX**  
(TYPICAL; WITH FIBERGLASS REINFORCED POLYMER CONCRETE COVER)

DRAWING NO. RL502  
04/10

MODIFIED LADOTD DETAIL.



SHEET NUMBER	E008
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	LTD
CHECKED	IPDH
DATE	9/1/2022
DESIGNED	LTD
CHECKED	IPDH
DATE	8 OF 9
BY	
NO.	
DATE	
REVISION DESCRIPTION	

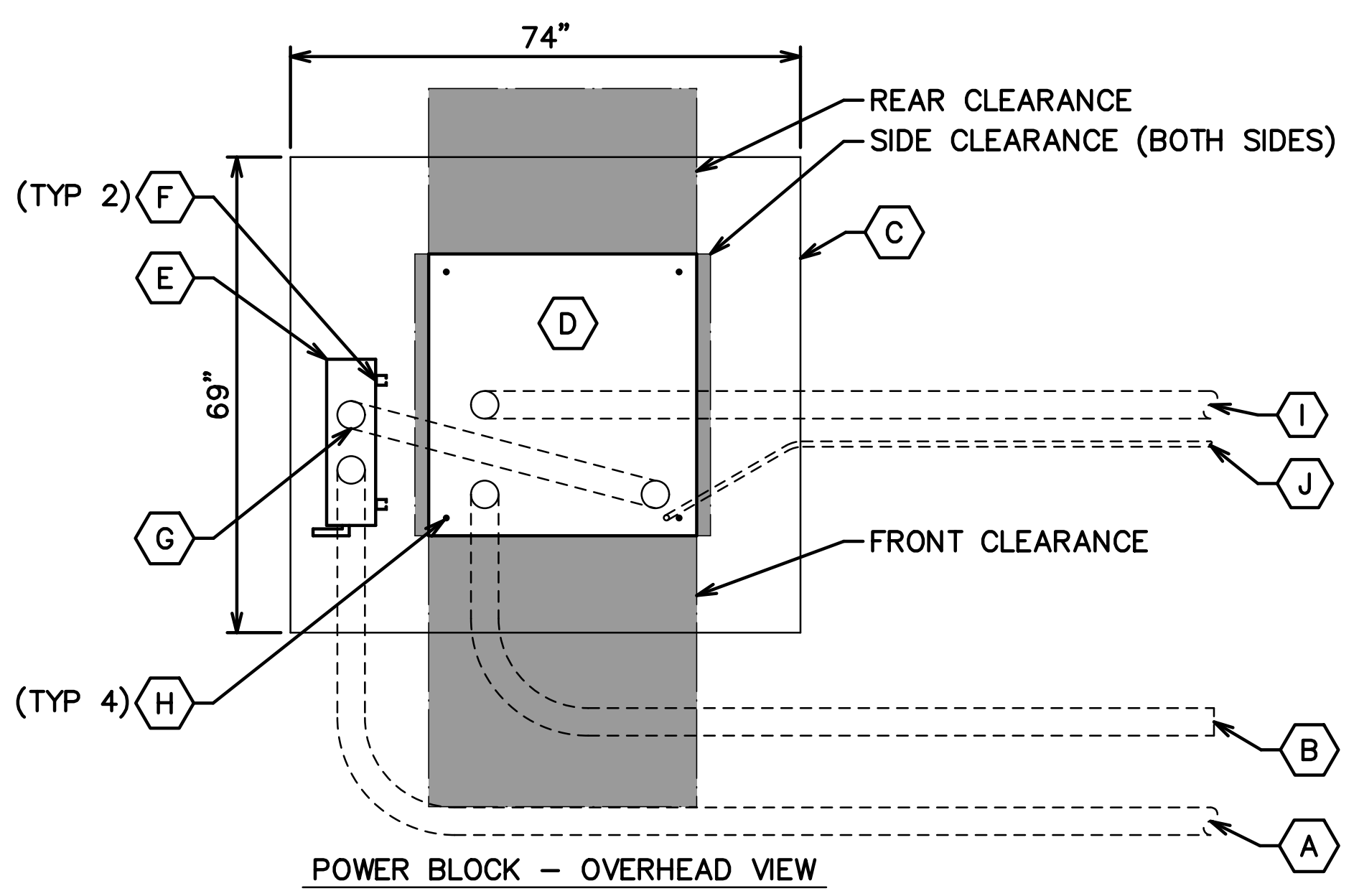
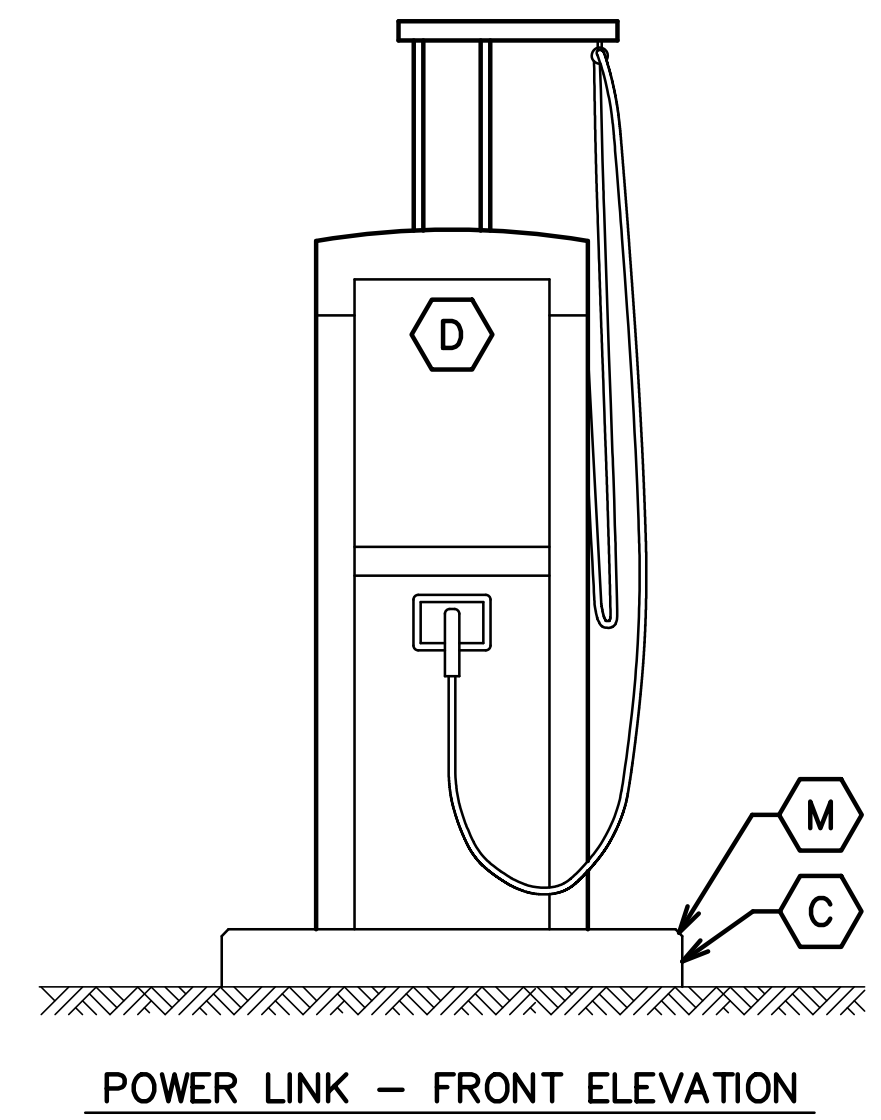
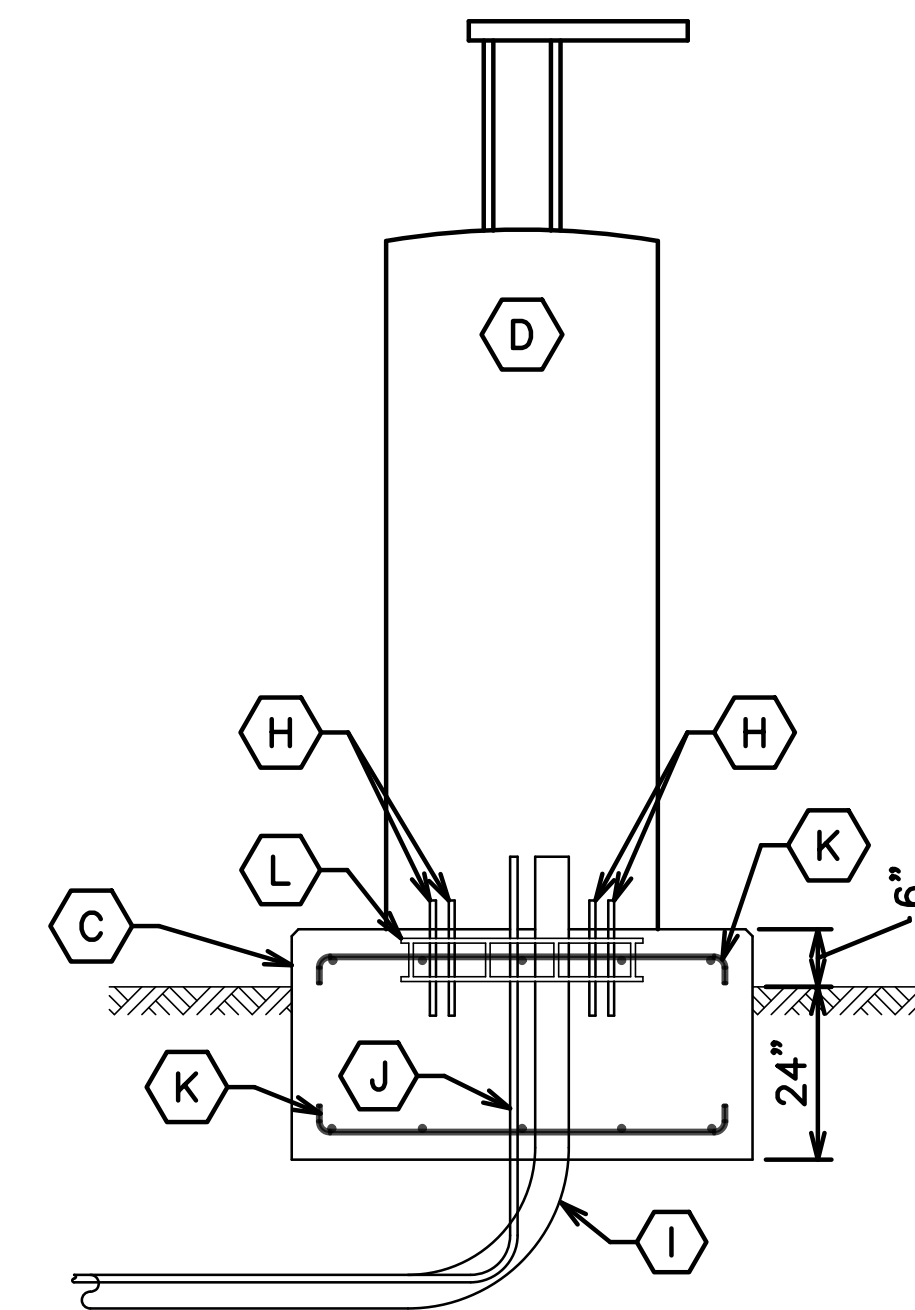
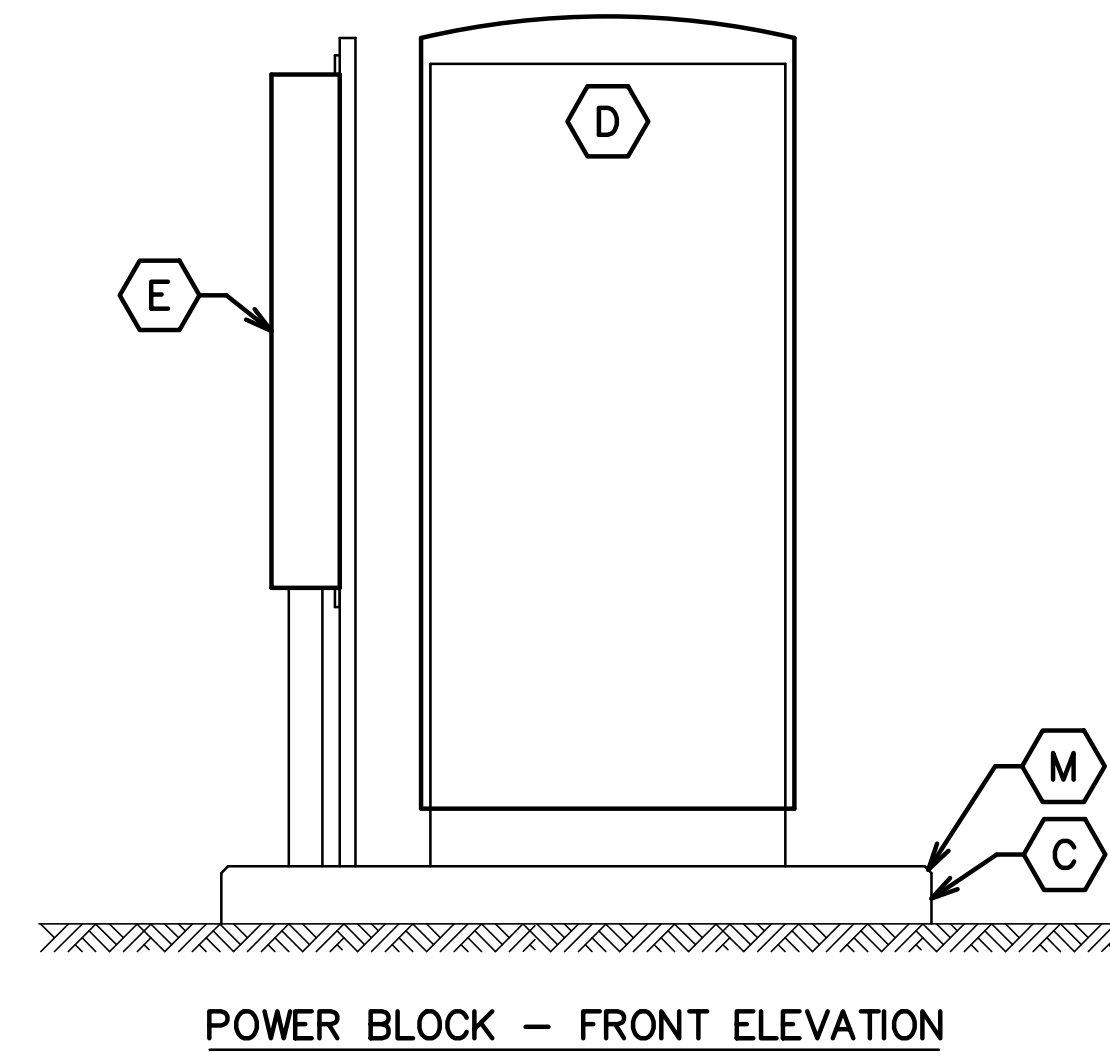
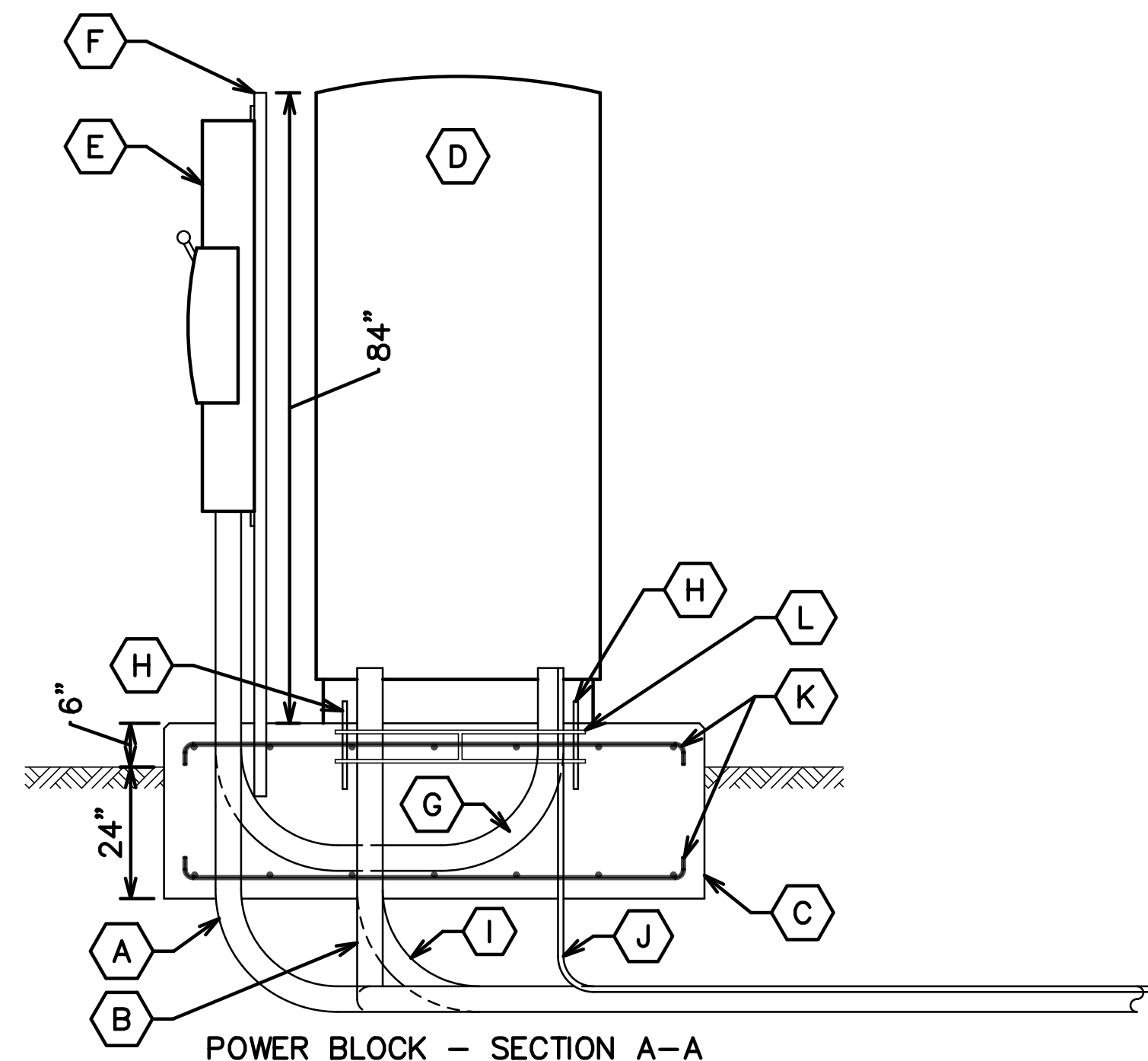


ELECTRICAL DETAILS

NORTH TRANSIT CENTER



SHEET NUMBER	E009
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED L/TD	PDH
CHECKED	PDH
DATE	9/1/2022
DESIGNED L/TD	PDH
CHECKED	PDH
DATE	9/1/2022
NO.	9 OF 9
BY	
REVISION DESCRIPTION	



**POWER BLOCK SPECIFICATIONS**

WEIGHT: 1500LBS  
 WIDTH: 38.9"  
 DEPTH: 40.9"  
 HEIGHT: 86.3"  
 INPUT VOLTAGE: 480VAC 3PH  
 OUTPUT VOLTAGE: 200-1000VDC  
 REQUIRED COMMUNICATION LINK: FTP CAT6 & 48VDC LINK

REQUIRED CLEARANCES  
 REAR: 24"  
 SIDE (EACH): 2"  
 FRONT: 39.3"

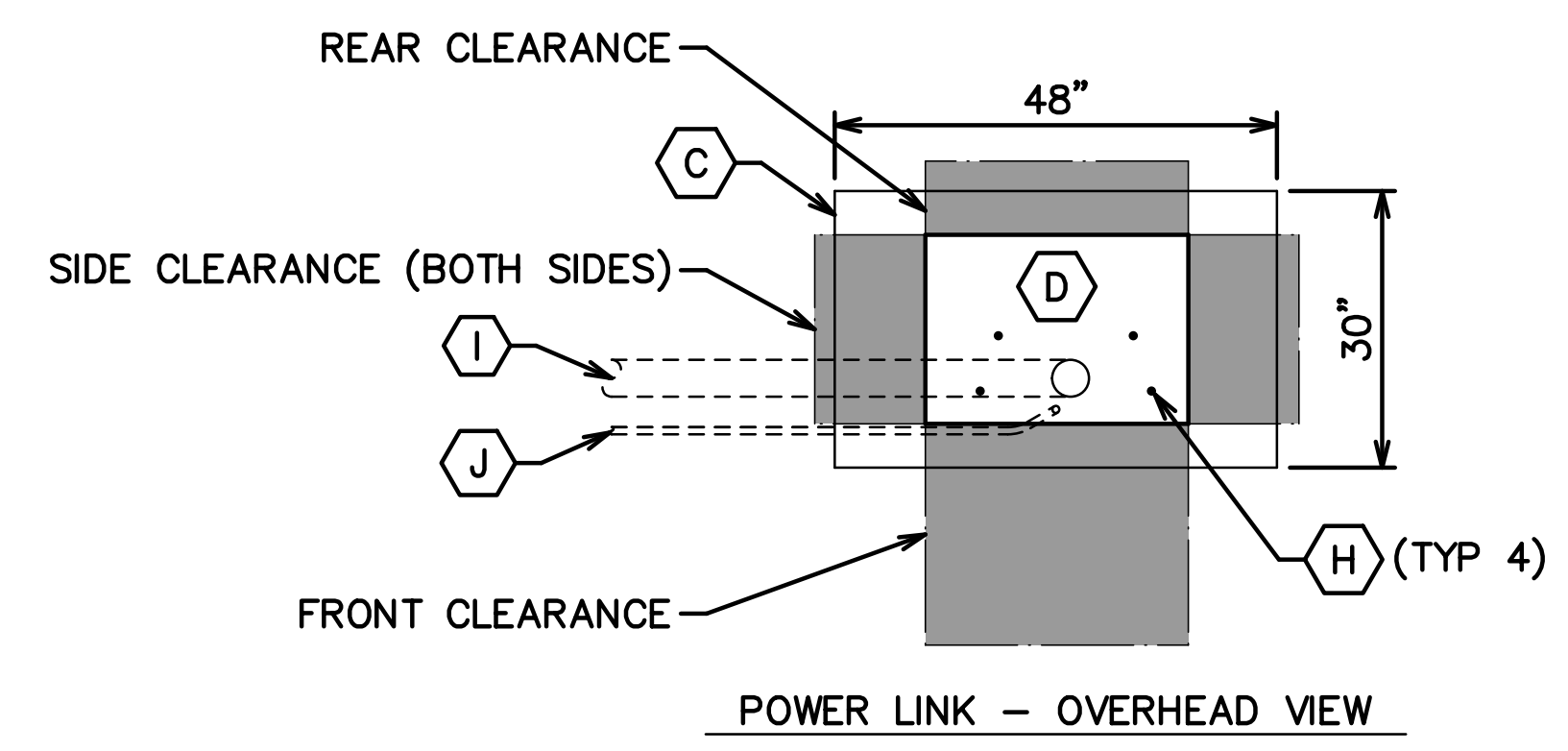
NOTE: BASED ON OWNER-FURNISHED EQUIPMENT MANUFACTURER'S INFORMATION.

**POWER LINK SPECIFICATIONS**

WEIGHT: 550LBS  
 WIDTH: 28.3"  
 DEPTH: 13.8"  
 HEIGHT: 72.9"  
 INPUT VOLTAGE: 200-1000VDC  
 REQUIRED COMMUNICATION LINK: FTP CAT6 & 48VDC LINK

REQUIRED CLEARANCES  
 REAR: 8"  
 SIDE (EACH): 12"  
 FRONT: 24"

NOTE: BASED ON OWNER-FURNISHED EQUIPMENT MANUFACTURER'S INFORMATION.



**NOTES**

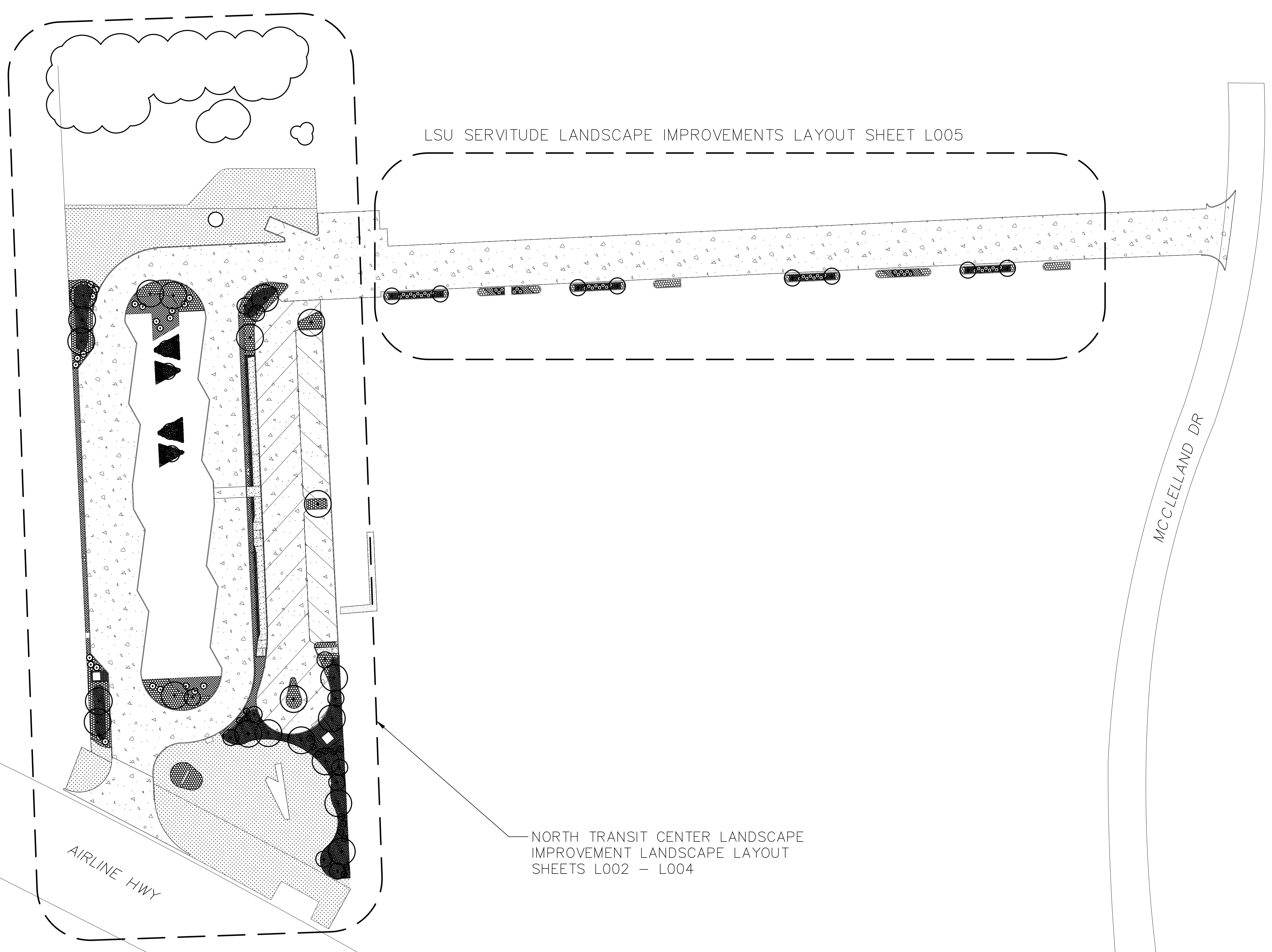
- (A) INCOMING AC SUPPLY TO POWER BLOCK FROM BUILDING ELECTRICAL ROOM.
  - (B) SPARE HVDC CONDUIT OUT TO ~5FT BEYOND CONCRETE PAD. MATCH ACTIVE HVDC CONDUIT SIZE.
  - (C) CONCRETE FOUNDATION BY CONTACTOR PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.\*
  - (D) EV EQUIPMENT FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
  - (E) 600VAC/400A/NEMA 4X SS 3P DISCONNECT. MOUNT TO UNISTRUT FRAME.
  - (F) 1-5/8" SS UNISTRUT FRAME EMBEDDED IN CONCRETE FOUNDATION.
  - (G) AC SUPPLY FROM DISCONNECT TO POWER BLOCK.
  - (H) ANCHOR BOLTS FURNISHED WITH EQUIPMENT. INSTALL WASHERS, NUTS, AND LEVELING NUTS PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
  - (I) ACTIVE HVDC SUPPLY CONDUIT FROM POWER BLOCK TO POWER LINK.
  - (J) COMMUNICATION LINK CONDUIT FROM POWER BLOCK TO POWER LINK.
  - (K) #4 REBAR 12" O.C., BOTH DIRECTIONS. MAINTAIN 3" COVER. STANDARD 90-DEGREE HOOK EACH END, EACH DIRECTION.
  - (L) CONCRETE MOUNTING TEMPLATE FURNISHED WITH EQUIPMENT AND ASSEMBLED ONSITE.
  - (M) 1" CHAMFER.
- \*NOTE: CONTRACTOR SHALL BECOME A 'CERTIFIED INSTALLER' THROUGH MANUFACTURER'S COURSE.

**EV CHARGING DETAILS**  
 NOT TO SCALE



ELECTRICAL DETAILS  
 NORTH TRANSIT CENTER





LSU SERVITUDE LANDSCAPE IMPROVEMENTS LAYOUT SHEET L005

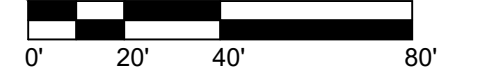
AIRLINE HWY

MCCLELLAND DR

NORTH TRANSIT CENTER LANDSCAPE IMPROVEMENT LANDSCAPE LAYOUT SHEETS L002 - L004

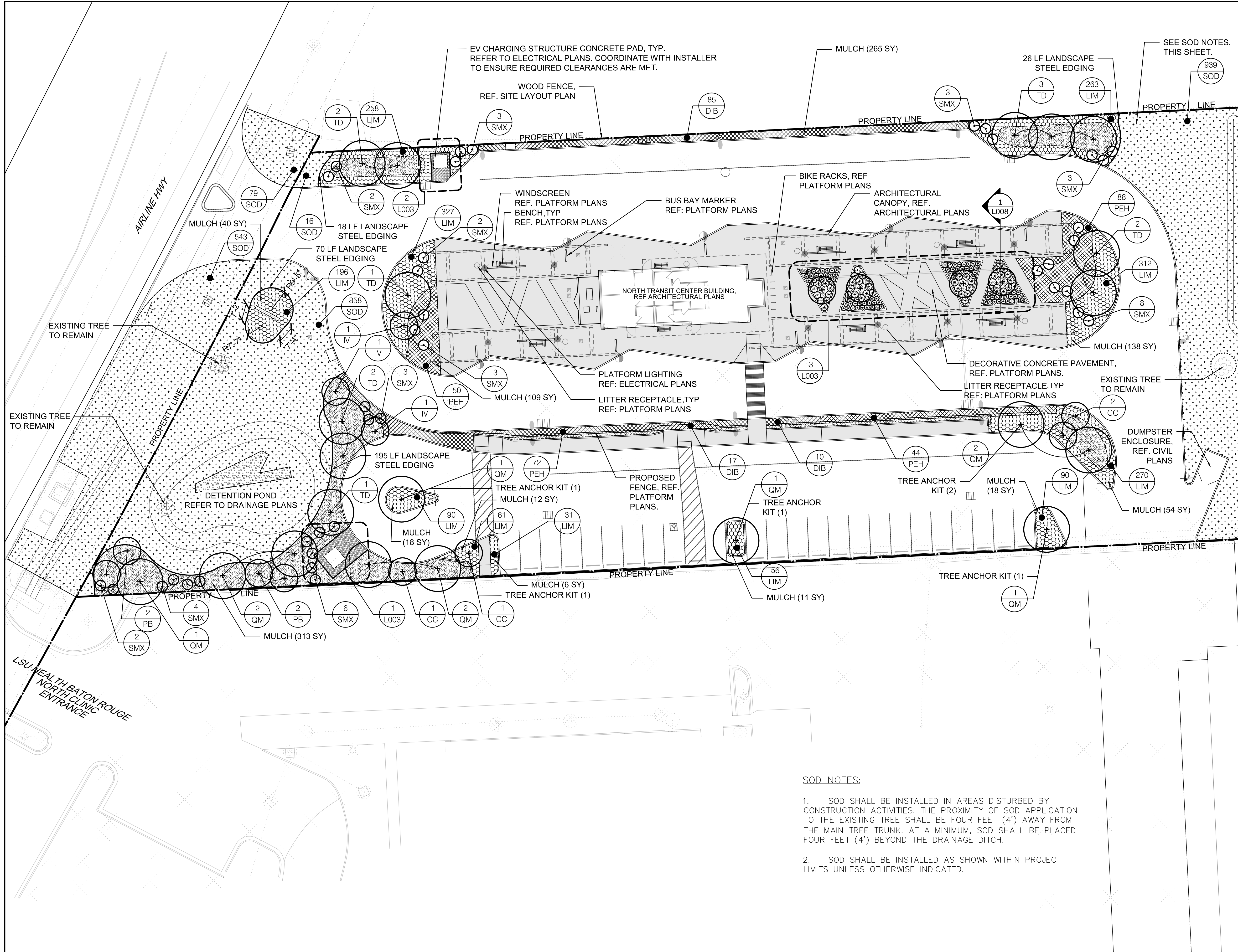


SCALE: 1"=80' 11X17 SHEET  
SCALE: 1"=40' 22X34 SHEET



SHEET NUMBER		L001	
DESIGNED AB CHECKED SH	PARISH	EAST BATON ROUGE PARISH	
DATE SHEET	CITY PROJECT	16-C-US-0032	
BY	STATE PROJECT		
REVISION	DESCRIPTION		
NO.	DATE		
LANDSCAPE IMPROVEMENTS		NORTH TRANSIT CENTER	
CITY OF BATON ROUGE		HNTB	





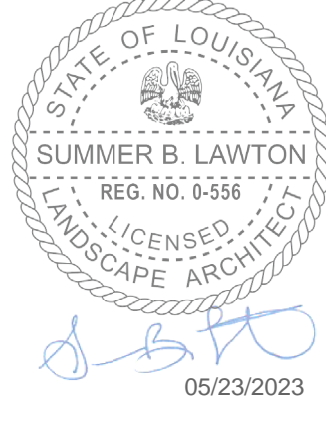
**LEGEND**

[Symbol]	SOD
[Symbol]	QTY: SY
[Symbol]	GROUND COVER
[Symbol]	QTY: EACH
[Symbol]	ORNAMENTAL GRASS
[Symbol]	QTY: EACH
[Symbol]	MULCH
[Symbol]	QTY: SY
[Symbol]	COBBLE AGGREGATE
[Symbol]	QTY: SY
[Symbol]	LARGE TREE
[Symbol]	QTY: EACH
[Symbol]	ORNAMENTAL TREE
[Symbol]	QTY: EACH
[Symbol]	SHRUB
[Symbol]	QTY: EACH
[Symbol]	PLANT TYPE
[Symbol]	QTY: SY
[Symbol]	LANDSCAPE STEEL EDGING
[Symbol]	QTY: LINEAR FEET, "LF", TYP.
[Symbol]	PROPERTY LINE
[Symbol]	EXISTING TREE TO REMAIN

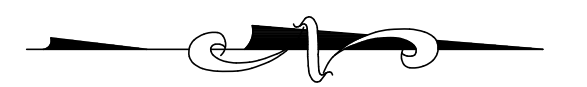
**PLANT ABBREVIATIONS**

QM	COW OAK
TD	BALD CYPRESS
IV	YAUPON HOLLY
CC	AMERICAN HORNBEAM
PB	REDBAY
SMX	DWARF PALMETTO
JL	BLUE ARROWS RUSH
CD	GRASSLAND SEDGE
LIM	CREeping LILY TURF
DIB	BICOLOR IRIS
PEH	HAMELN GRASS
SOD	BERMUDA GRASS

SEE GENERAL SURVEY SHEET FOR SURVEY LINEWORK AND SYMBOLS.  
 TREE ANCHOR KIT IS SUBSIDIARY TO THE TREE PAY ITEM.



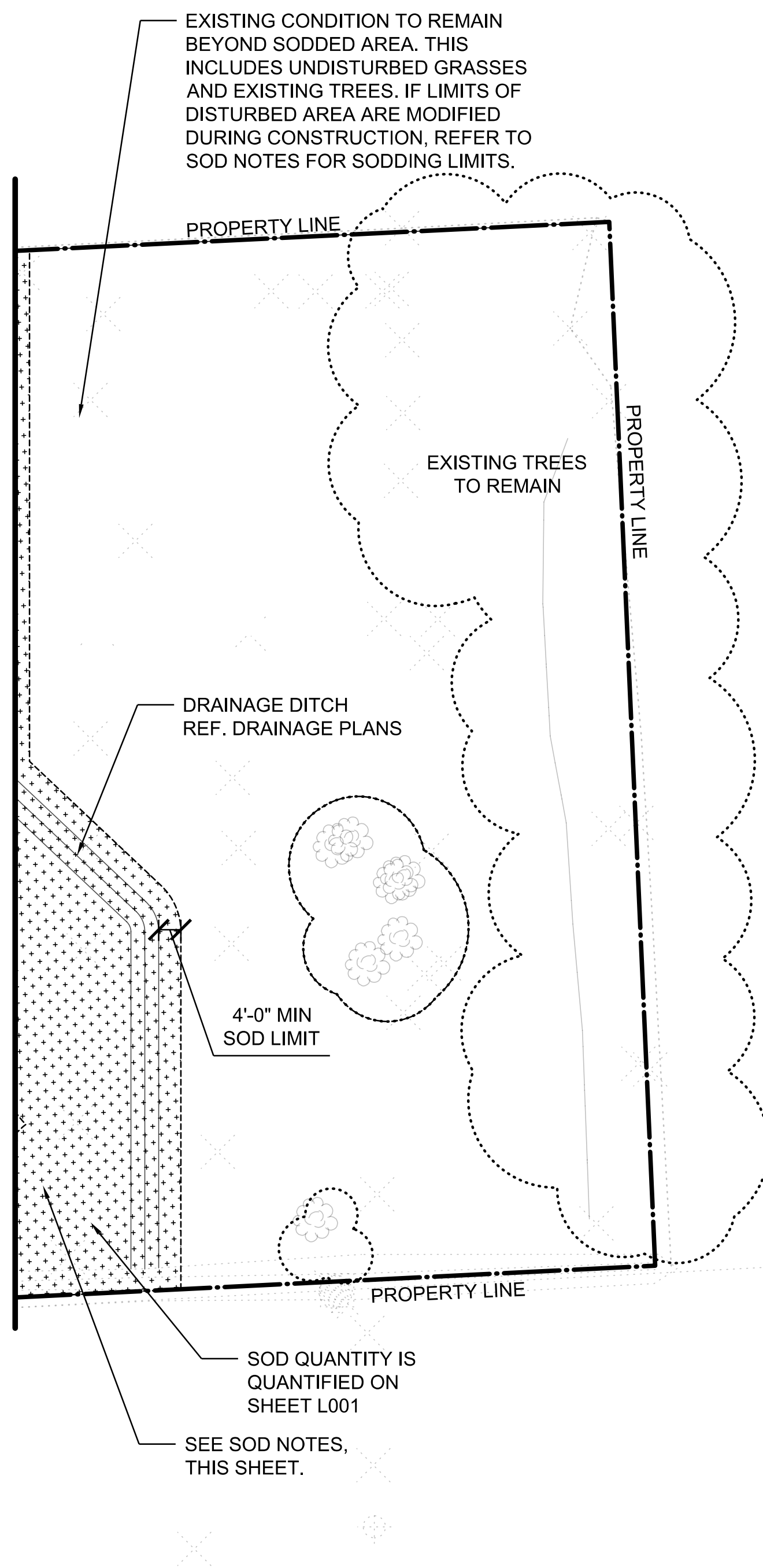
- SOD NOTES:**
- SOD SHALL BE INSTALLED IN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES. THE PROXIMITY OF SOD APPLICATION TO THE EXISTING TREE SHALL BE FOUR FEET (4') AWAY FROM THE MAIN TREE TRUNK. AT A MINIMUM, SOD SHALL BE PLACED FOUR FEET (4') BEYOND THE DRAINAGE DITCH.
  - SOD SHALL BE INSTALLED AS SHOWN WITHIN PROJECT LIMITS UNLESS OTHERWISE INDICATED.



0 20 40  
 SCALE: 1"=20'-0" 22X34 SHEET  
 SCALE: 1"=40'-0" 11X17 SHEET

SHEET NUMBER	L002
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	EM
CHECKED	SC
DATE	5/3/2023
SHEET	1 OF 6
NO.	
DATE	
BY	
REVISION DESCRIPTION	
<b>LANDSCAPE IMPROVEMENTS          LANDSCAPE LAYOUT</b>	
<b>NORTH TRANSIT CENTER</b>	

MATCHLINE 'A' - SHEET L001



**SOD NOTES:**

- SOD SHALL BE INSTALLED IN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES. THE PROXIMITY OF SOD APPLICATION TO THE EXISTING TREE SHALL BE FOUR FEET (4') AWAY FROM THE MAIN TREE TRUNK. AT A MINIMUM, SOD SHALL BE PLACED FOUR FEET (4') BEYOND THE DRAINAGE DITCH.
- SOD SHALL BE INSTALLED AS SHOWN WITHIN PROJECT LIMITS UNLESS OTHERWISE INDICATED.

**LEGEND**

	SOD QTY: SY
	GROUNDCOVER QTY: EACH
	ORNAMENTAL GRASS QTY: EACH
	MULCH QTY: SY
	COBBLE AGGREGATE QTY: SY
	LARGE TREE QTY: EACH
	ORNAMENTAL TREE QTY: EACH
	SHRUB QTY: EACH
	QTY PLANT TYPE
	LANDSCAPE STEEL EDGING QTY: LINEAR FEET, "LF", TYP.
	PROPERTY LINE
	EXISTING TREE TO REMAIN

**PLANT ABBREVIATIONS**

QM	COW OAK
TD	BALD CYPRESS
IV	YAUPON HOLLY
CC	AMERICAN HORNBEAM
PB	REDBAY
SMX	DWARF PALMETTO
JI	BLUE ARROWS RUSH
CD	GRASSLAND SEDGE
LIM	CREEPING LILY TURF
DIB	BICOLOR IRIS
PEH	HAMELN GRASS
SOD	BERMUDA GRASS

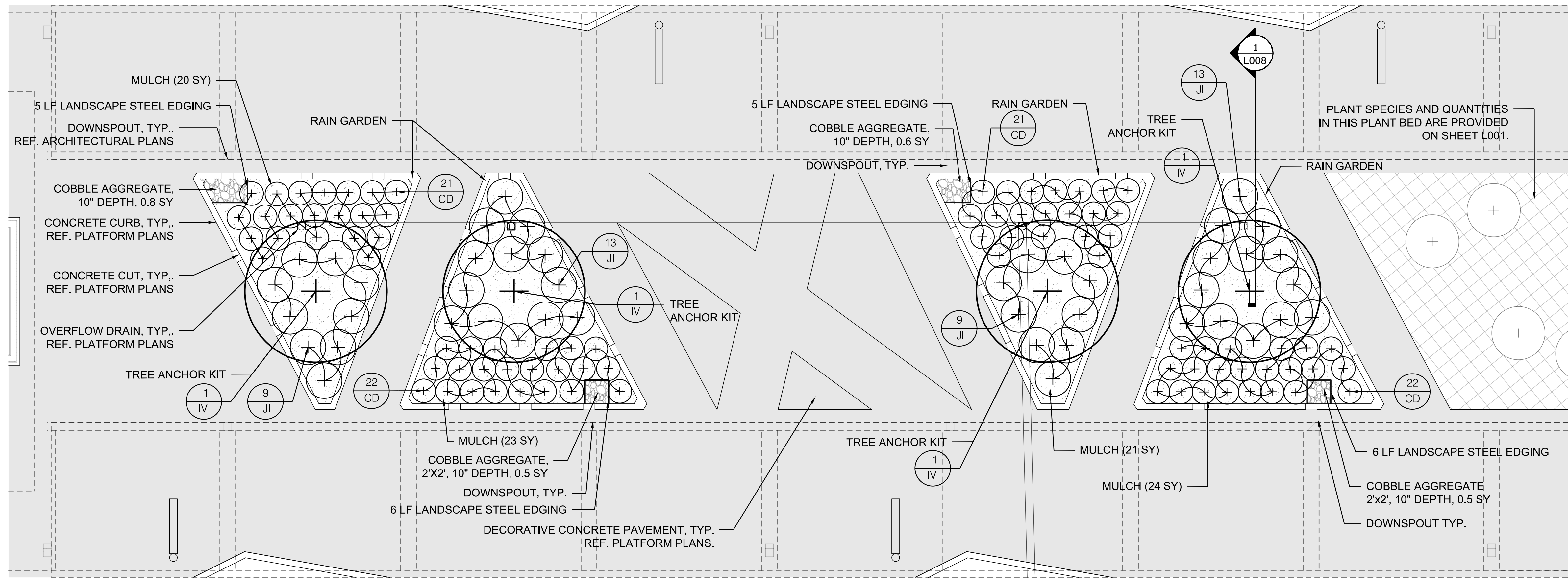
SEE GENERAL SURVEY SHEET FOR SURVEY LINEWORK AND SYMBOLS.

TREE ANCHOR KIT IS SUBSIDIARY TO THE TREE PAY ITEM.

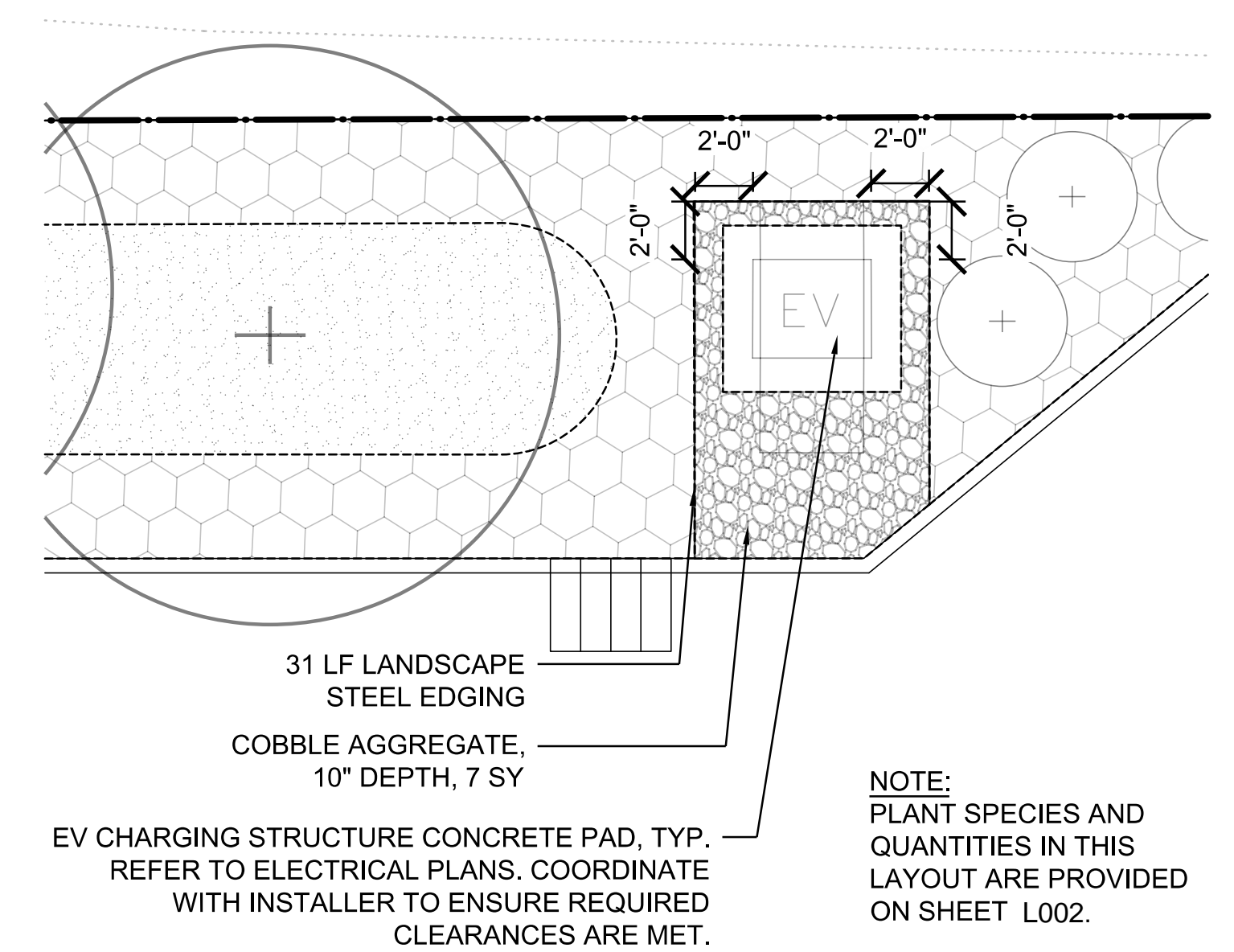


SCALE: 1"=20'-0" 22X34 SHEET  
SCALE: 1"=40'-0" 11X17 SHEET

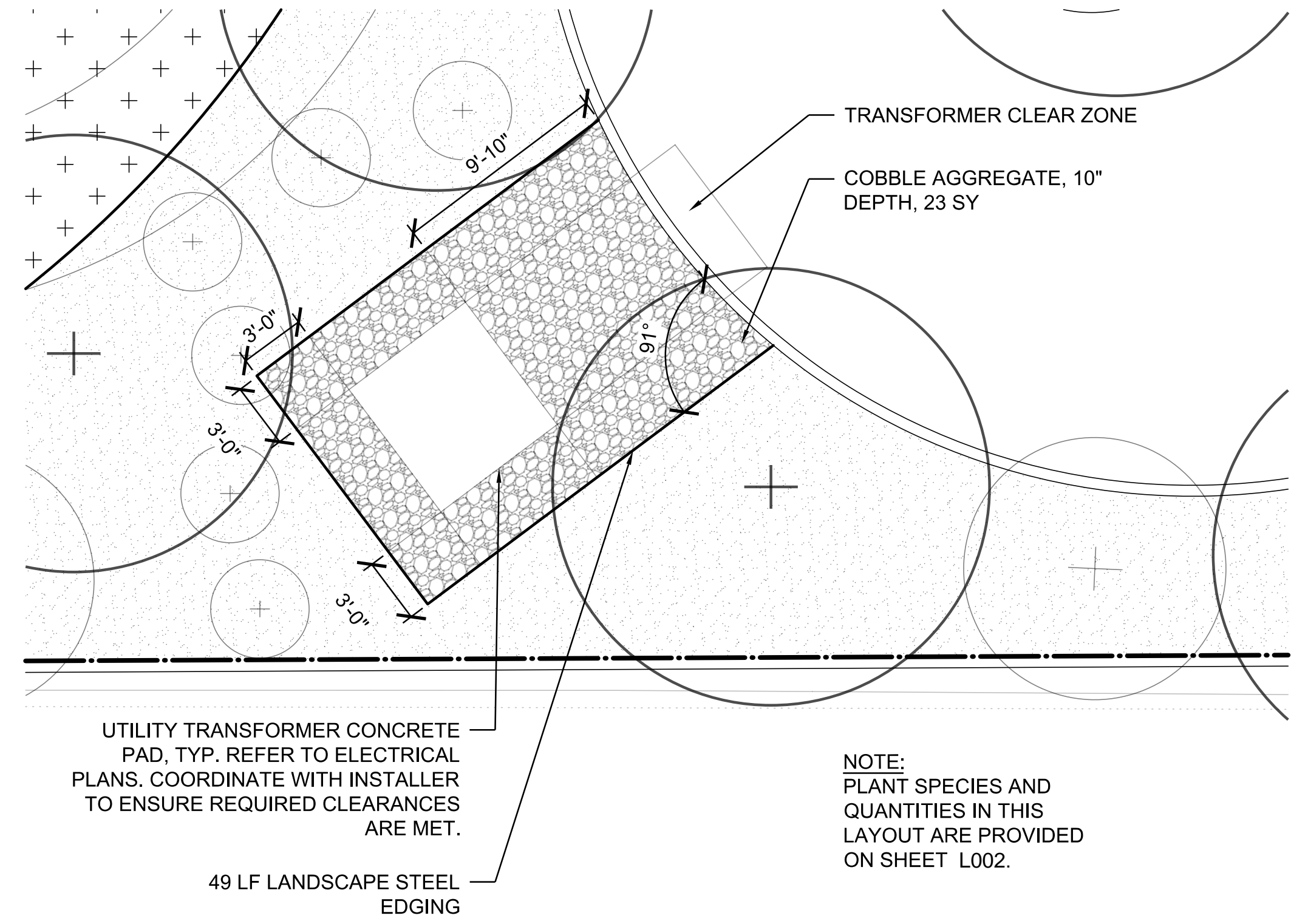
SHEET NUMBER		L003	
PARISH	EAST BATON ROUGE PARISH	CITY PROJECT	16-CI-US-0032
STATE PROJECT		DATE	5/3/2023
DESIGNED	EM	CHECKED	SC
DATE		DATE	5/3/2023
BY		NO.	
LANDSCAPE IMPROVEMENTS LANDSCAPE LAYOUT NORTH TRANSIT CENTER			



**3 RAIN GARDEN PLANTING LAYOUT**  
SCALE: 3/16" = 1'-0"



**2 EV CHARGING STRUCTURE LAYOUT**  
SCALE: 3/16" = 1'-0"



**1 UTILITY TRANSFORMER LAYOUT**  
SCALE: 3/16" = 1'-0"

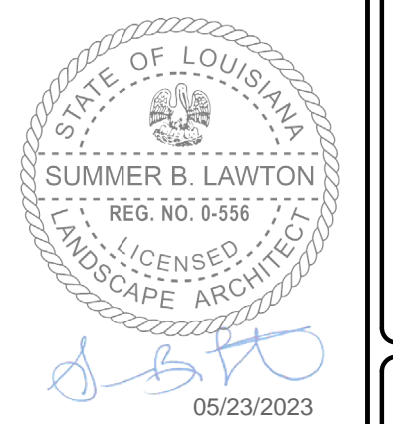
**LEGEND**

- SOD QTY: SY
- GROUNDCOVER QTY: EACH
- ORNAMENTAL GRASS QTY: EACH
- MULCH QTY: SY
- COBBLE AGGREGATE QTY: SY
- LARGE TREE QTY: EACH
- ORNAMENTAL TREE QTY: EACH
- SHRUB QTY: EACH
- QTY PLANT TYPE
- LANDSCAPE STEEL EDGING QTY: LINEAR FEET, "LF", TYP.
- PROPERTY LINE
- EXISTING TREE TO REMAIN

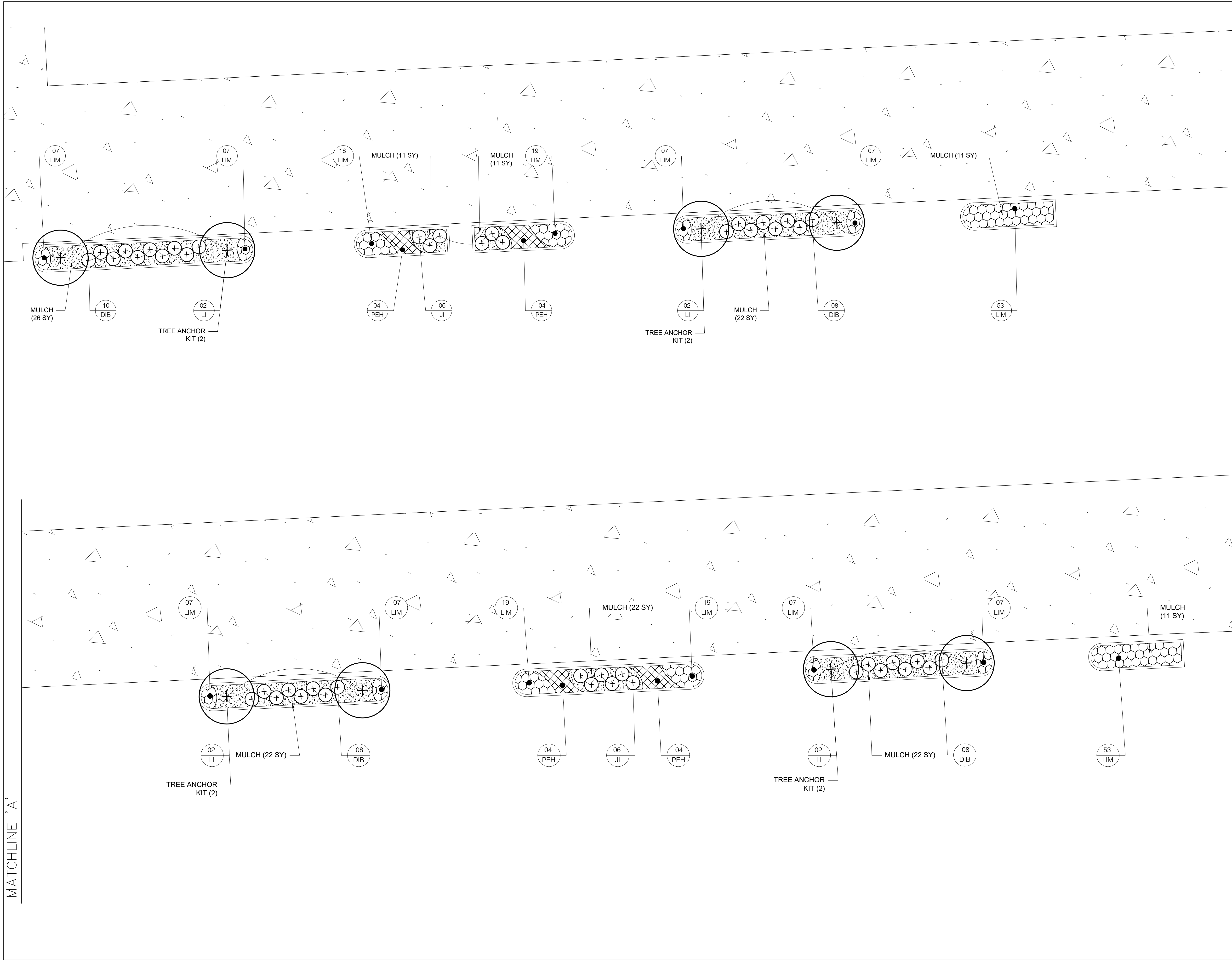
**PLANT ABBREVIATIONS**

- QM COW OAK
- TD BALD CYPRESS
- IV YAUPON HOLLY
- CC AMERICAN HORNBEAM
- PB REDBAY
- SMX DWARF PALMETTO
- JI BLUE ARROWS RUSH
- CD GRASSLAND SEDGE
- LIM CREEPING LILY TURF
- DIB BICOLOR IRIS
- PEH HAMELN GRASS
- SOD BERMUDA GRASS

SEE GENERAL SURVEY SHEET FOR SURVEY LINWORK AND SYMBOLS.  
TREE ANCHOR KIT IS SUBSIDIARY TO THE TREE PAY ITEM.



SHEET NUMBER	L004
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED EM	
CHECKED SC	
DATE	5/3/2023
DESIGNED EM	
CHECKED SC	
DATE	5/3/2023
BY	
NO.	
REVISION DESCRIPTION	
DATE	
LANDSCAPE IMPROVEMENTS LANDSCAPE LAYOUT ENLARGEMENTS NORTH TRANSIT CENTER	



**LEGEND**

- GROUNDCOVER  
QTY: EACH
- ORNAMENTAL GRASS  
QTY: EACH
- MULCH  
QTY: SY
- ORNAMENTAL TREE  
QTY: EACH
- SHRUB  
QTY: EACH
- QTY  
PLANT TYPE

**PLANT ABBREVIATIONS**

- LI CRAPE MYRTLE
- JI BLUE ARROWS RUSH
- PEH HAMELN GRASS
- DIB BICOLOR IRIS
- LIM CREEPING LILY TURF

SHEET NUMBER	L005
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-C-US-0032
STATE PROJECT	
DESIGNED AB CHECKED SH	
DETAILED AB CHECKED SH	
DATE SHEET	05/23/2023
NO.	
DATE	
REVISION DESCRIPTION	
BY	

MATCHLINE 'A'

SEE GENERAL SURVEY SHEET FOR SURVEY LINEWORK AND SYMBOLS.

CONTRACTOR TO CONFIRM NO UTILITY CONFLICTS IN THE FIELD.

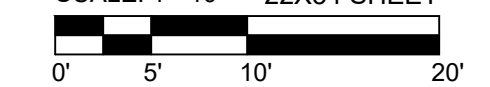
TREE ANCHOR KIT IS SUBSIDIARY TO THE TREE PAY ITEM. TREE ANCHOR KIT SHALL BE UTILIZED FOR TREES PLANTED WITHIN THE BIOSWALE.

CONTRACTOR SHALL NOT DISTURB CONDITIONS OUTSIDE OF THE CONSTRUCTION LIMITS AS SHOWN BY THE CIVIL ENGINEER'S PLANS. ANY DAMAGE TO THOSE CONDITIONS WILL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE.



MATCHLINE 'A'

SCALE: 1"=20' 11X17 SHEET  
SCALE: 1"=10' 22X34 SHEET



LANDSCAPE IMPROVEMENTS  
LSU SERVITUDE  
NORTH TRANSIT CENTER



PLANTING NOTES:

- IF PLANT SPECIES, SIZE, OR COLOR **CANNOT** BE SOURCED, CONTRACTOR SHALL SEND A LIST OF ALTERNATIVES TO THE LANDSCAPE ARCHITECT FOR THEIR REVIEW AND ACCEPTANCE.
  - FOR ALTERNATIVE TREES, REFERENCE THE CITY OF BATON ROUGE UNIFIED DEVELOPMENT CODE, APPENDIX D – TREES.
  - IF 1 GAL. PLANTS ARE NOT AVAILABLE, IT IS ALLOWABLE TO SUBSTITUTE (3) – 4” POTS FOR EACH AT NO ADDITIONAL COST; ADJUST PLANT SPACING ACCORDINGLY.
- CONTRACTOR SHALL ENSURE EROSION CONTROL MEASURES AROUND DRAINS ARE IN PLACE DURING ALL LANDSCAPE CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL HAND- WATER PLANT MATERIALS ACCORDING TO SPECIFICATION 329300.
- CONTAINER GROWN PLANTS SHALL HAVE BEEN RAISED IN CONTAINERS THROUGHOUT THE LIFE OF THE PLANT. NO SHRUBS OR TREES THAT HAVE BEEN REMOVED FROM FIELD CONDITIONS AND PLACED IN CONTAINERS, SHALL BE ACCEPTED. WRITTEN VERIFICATION FROM THE GROWER SHALL BE REQUIRED, ATTESTING TO THIS. ALL TREES SHALL HAVE BEEN PRUNED TO ACHIEVE SYMMETRICAL, LATERAL BRANCHING WITH A DOMINANT CENTRAL LEADER, EXCEPT FOR VARIATIONS IN THE CASE OF MULTI-TRUNKED TREES.
- TREES NEXT TO TRAVEL PATHS SHALL MEET ADA REQUIREMENTS TO PASS LOUISIANA OFFICE OF STATE FIRE MARSHAL INSPECTION.

QUANTITIES SCHEDULE:

PLANTING MATERIAL				
ABR.	QTY.	COMMON NAME	SCIENTIFIC NAME	SIZE
QM	10	Cow Oak	<i>Quercus michauxii</i>	B&B, 3" CAL. MIN. 15' HT., Single-trunk. Soil shall be subsidiary to the pay item.
TD	11	Bald Cypress	<i>Taxodium distichum</i>	B&B, 3" CAL. MIN. 12' HT., Single-trunk. Soil shall be subsidiary to the pay item.
IV	7	Yaupon Holly	<i>Ilex vomitoria</i>	45 GAL., 2" CAL. MIN. 8' HT., Flowering Multi-trunk (max 3 trunks). Soil shall be subsidiary to the pay item.
CC	4	American Hornbeam	<i>Carpinus caroliniana</i>	30 GAL., 2" CAL., Single-trunk.
PB	4	Redbay	<i>Persea barbonia</i>	30 GAL., 2" CAL., Single-trunk.
SMX	39	Dwarf Palmetto	<i>Sabal minor</i>	5 GAL., 24" ht, 60" O.C
JI	44	Blue Arrows Rush	<i>Juncus inflexus 'Blue Arrows'</i>	1 GAL., 36" O.C.
CD	86	Grassland Sedge	<i>Carex divulsa</i>	1 GAL., 24" O.C.
LIM	1,954	Creeping Lily Turf	<i>Liriope muscari 'Variegata'</i>	1 GAL., 18" O.C.
DIB	112	Bicolor Iris	<i>Diets bicolor</i>	1 GAL., 36" O.C.
PEH	254	Hameln Grass	<i>Pennisetum alopecuroides 'Hameln'</i>	1 GAL., 36" O.C.
SOD	2,435	Bermuda Grass	<i>Cynodon dactylon</i>	SY

PLANTING MATERIAL L005				
ABR.	QTY.	COMMON NAME	SCIENTIFIC NAME	SIZE
LI	8	Crape Myrtle	<i>Lagerstroemia indica</i>	B&B, 3" CAL. MIN. 15' HT., Single-trunk. Soil shall be subsidiary to the pay item
JI	12	Blue Arrows Rush	<i>Juncus inflexus 'Blue Arrows'</i>	1 GAL., 36" O.C.
PEH	16	Hameln Grass	<i>Pennisetum alopecuroides 'Hameln Grass'</i>	1 GAL., 36" O.C.
DIB	34	Bicolor Iris	<i>Diets bicolor</i>	1 GAL., 36" O.C.
LIM	237	Creeping Lily Turf	<i>Liriope muscari 'Variegata'</i>	1 GAL., 18" O.C.

ADDITIONAL ITEMS			
QTY.	DESCRIPTION	SIZE	NOTES
1,074	TOP DRESSING MULCH (3" DEPTH - PINE STRAW)	SY	AS INDICATED IN THE PLAN.
52	TOP SOIL (6" IMPORTED SOIL DEPTH)	CY	LOCATED IN ALL PLANTING LOCATIONS, EXCEPT FOR RAIN GARDEN. SEE DETAIL (2) SHEET (L006).
135	TOP SOIL (2" IMPORTED SOIL DEPTH)	CY	LOCATED IN ALL SOD LOCATIONS. SEE DETAIL (3) SHEET (L006).
88	BED PREPARATION (64" DEPTH)	SY	LOCATED IN RAIN GARDEN.
312	BED PREPARATION (12" DEPTH)	SY	LOCATED IN ALL PLANTING LOCATIONS, EXCEPT FOR RAIN GARDEN.
2,419	BED PREPARATION (4" DEPTH)	SY	LOCATED IN ALL SOD LOCATIONS.
411	LANDSCAPE STEEL EDGING	LF	AS INDICATED IN THE PLAN, EDGING SIZE 1/4 INCH THICK BY 5 INCHES DEEP, WEATHERED FINISH.
88	LANDSCAPE FABRIC	SY	AS INDICATED IN THE RAIN GARDEN DETAIL.
119	MANUFACTURED SOIL (49" DEPTH)	CY	AS INDICATED IN THE RAIN GARDEN DETAIL.
11	TREE ANCHOR KIT (PLATIPUS)	EACH	AS INDICATED IN THE TREE PLANTING DETAIL WITH ANCHOR SYSTEM. (3) ANCHORS PER KIT. COST IS SUBSIDIARY TO THE TREE PAY ITEM.
25	TREE STAKING KIT	EACH	AS INDICATED IN THE TREE PLANTING DETAIL WITH TREE STAKES. (3) STAKES PER TREE. COST IS SUBSIDIARY TO THE TREE PAY ITEM.
33	COBBLE AGGREGATE (10" DEPTH)	SY	AS INDICATED ON SHEET L003.
88	WASHED GRAVEL (12" DEPTH)	SY	1/2" - 3/4" SIZE GRAVEL. AS INDICATED IN THE RAIN GARDEN DETAIL.

ADDITIONAL ITEMS L005			
QTY.	DESCRIPTION	SIZE	NOTES
157	TOP DRESSING MULCH (3" DEPTH - PINE STRAW)	SY	AS INDICATED IN THE PLAN
26	TOP SOIL (6" IMPORTED SOIL DEPTH)	CY	LOCATED IN ALL PLANTING LOCATIONS, SEE DETAIL (01) SHEET (L005)
157	BED PREPARATION (12" DEPTH)	SY	LOCATED IN ALL PLANTING LOCATIONS
8	TREE ANCHOR KIT (PLATIPUS)	EACH	AS INDICATED IN THE TREE PLANTING DETAIL WITH ANCHOR SYSTEM. (3) ANCHORS PER KIT. COST IS SUBSIDIARY TO THE TREE PAY ITEM

GENERAL NOTES

I – LARGE TREES:

These notes shall apply to plants grown in containers as well as balled and burlapped plants

MEASURING CALIPER:

The measurement of caliper on trees less than four (4) inches shall be taken not less than six (6) inches above the ground. Larger size trees shall be measured not less than twelve (12) inches above the ground.

MEASURING BRANCHES:

The trunk of a tree should be trimmed free of branches from the ground up to fifty to seventy percent of its total height. The thickness and spread of the branching shall be typical of the variety and its normal habit for the particular season. When trees are in growth and freshly balled, not less than ninety percent of the leaves shall be removed. Live Oaks shall have all leaves and branches smaller than one quarter inch removed when they are dug. At no time shall the contractor prune the leader or primary stem of a tree.

II – ORNAMENTAL TREES:

This classification includes trees grown as single stem or trunk; multi-trunk; clumps; shrub; and applies to plants grown in containers as well as B&B. The height shall be the principal factor in determining size.

Styles are specified in these terms:

"STANDARD" – sheared to a single trunk with branching, head.  
 "MULTI-TRUNK" – sheared to two or more trunks with proportionate branching head.

"CLUMP" – implies multi-trunk, but all coming from the ground and each primarily rooted and a growing unit within itself.

"SHRUB" – means branching from the ground up and having a spread of at least fifty percent of its height.

III – SHRUBS:

Quality, density and condition are equally important considerations as are the measurement of height, number of canes and root development. If a plant is well grown with single stem, well shaped and bushy, and has sufficient well spread side branches to give weight equal to one grown with numerous canes, it shall be considered an equally acceptable plant.

Definitions:

A CANE – shall be considered a primary stem which starts from the ground or close to the ground at a point not higher than one-fifth the height of the plant.

CLUMPS – indicate plants with at least double the number of canes required for standard material. All canes shall be coming from the ground and each partially rooted and a growing unit within itself.

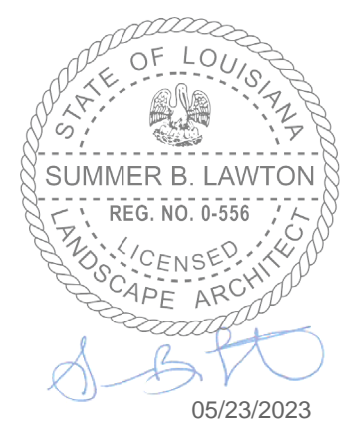
COLLECTED (COLL.) – natural seeding plans dug from native stands or forest planting. (This shall apply to all types of plant materials. Special attention is directed to the Special Provisions for the use of this type of stock.)

IV – GENERAL:

A plant grown with fewer number of canes, yet well shaped and bushy with sufficient side branching to give it weight equal to one with numerous canes, shall be considered equally acceptable.

The height of a plant shall be measured from the ground up to where the main branching of a plant ends, not to the tip of a thin shoot.

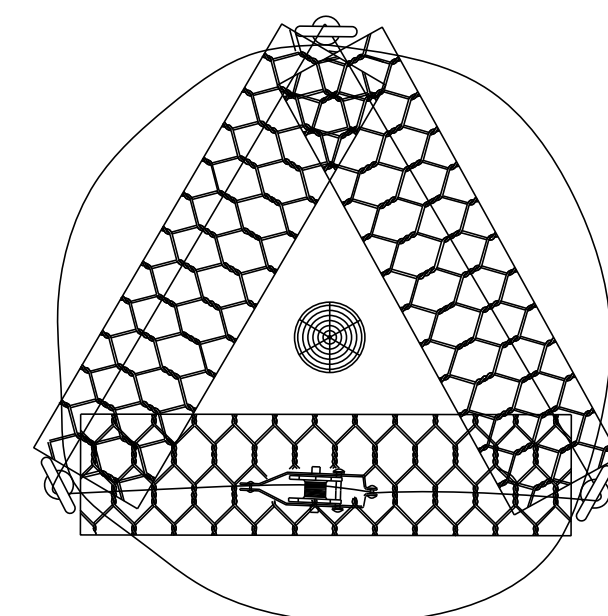
SHEET NUMBER	L006
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	EM
CHECKED	SC
DATE	5/3/2023
BY	4 OF 6
REVISION	
DESCRIPTION	
DATE	
NO.	



LANDSCAPE IMPROVEMENTS  
 LANDSCAPE QUANTITIES AND NOTES  
 NORTH TRANSIT CENTER

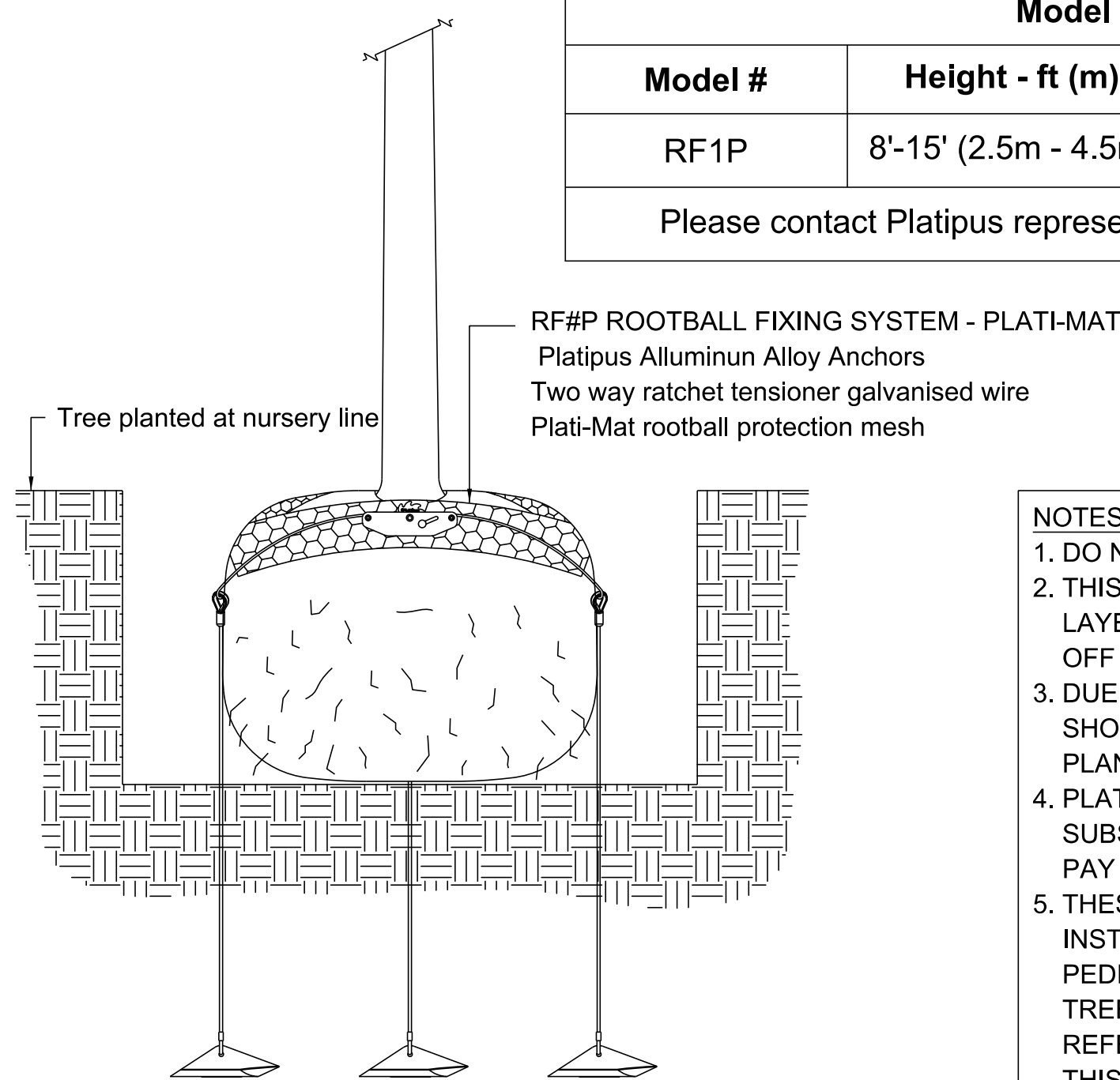






**RF#P 3 Leg**

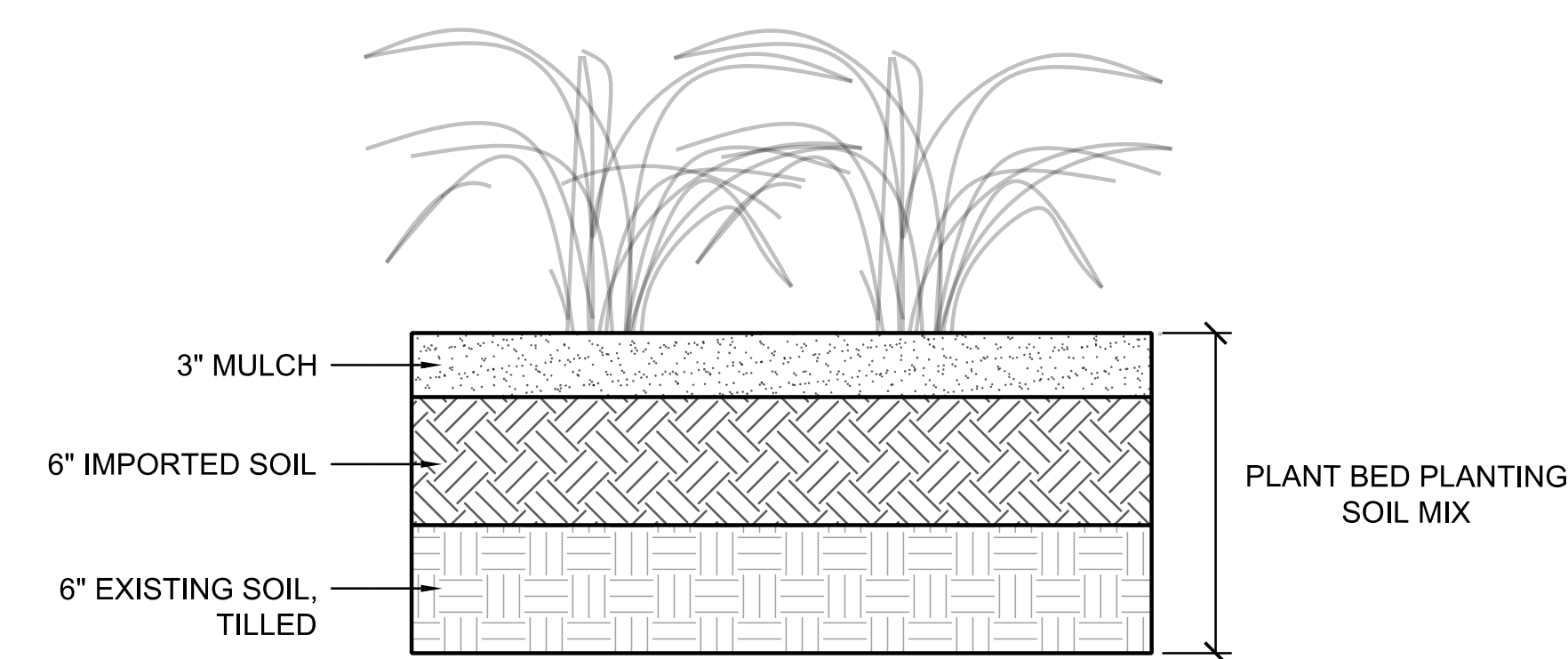
Model List		
Model #	Height - ft (m)	Caliper - in (mm)
RF1P	8'-15' (2.5m - 4.5m)	1.5" - 3" (40mm - 75mm)
Please contact Platipus representative for more information.		



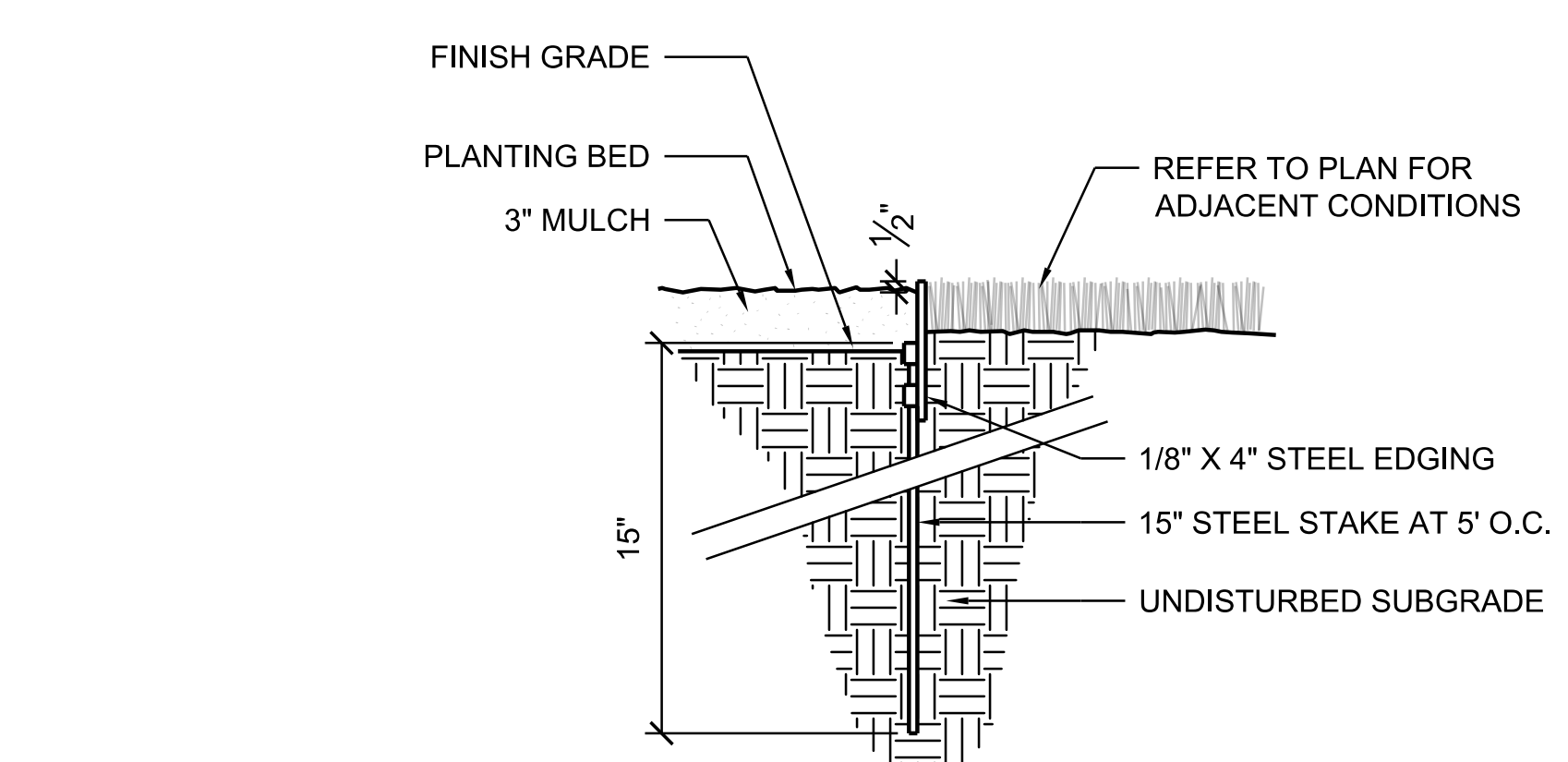
- NOTES**
- DO NOT SCALE FROM THIS DRAWING
  - THIS DRAWING IS CONSTRUCTED USING LAYERS WHICH CAN BE TURNED ON OR OFF AS REQUIRED
  - DUE TO SETTLEMENT ALL TREES SHOULD BE RE-TENSIONED AFTER PLANTING
  - PLATIPUS TREE ANCHORING SYSTEM IS SUBSIDIARY TO THE COST OF THE TREE PAY ITEM.
  - THESE ANCHORS SHALL ONLY BE INSTALLED ON ALL TREES WITHIN 10' OF PEDESTRIAN PATHS. FOR ALL OTHER TREES AND STAKING REQUIREMENTS, REFER TO TREE STAKING DETAIL 2/007 THIS PLAN SET.

© 2015, PLATIPUS ANCHORS

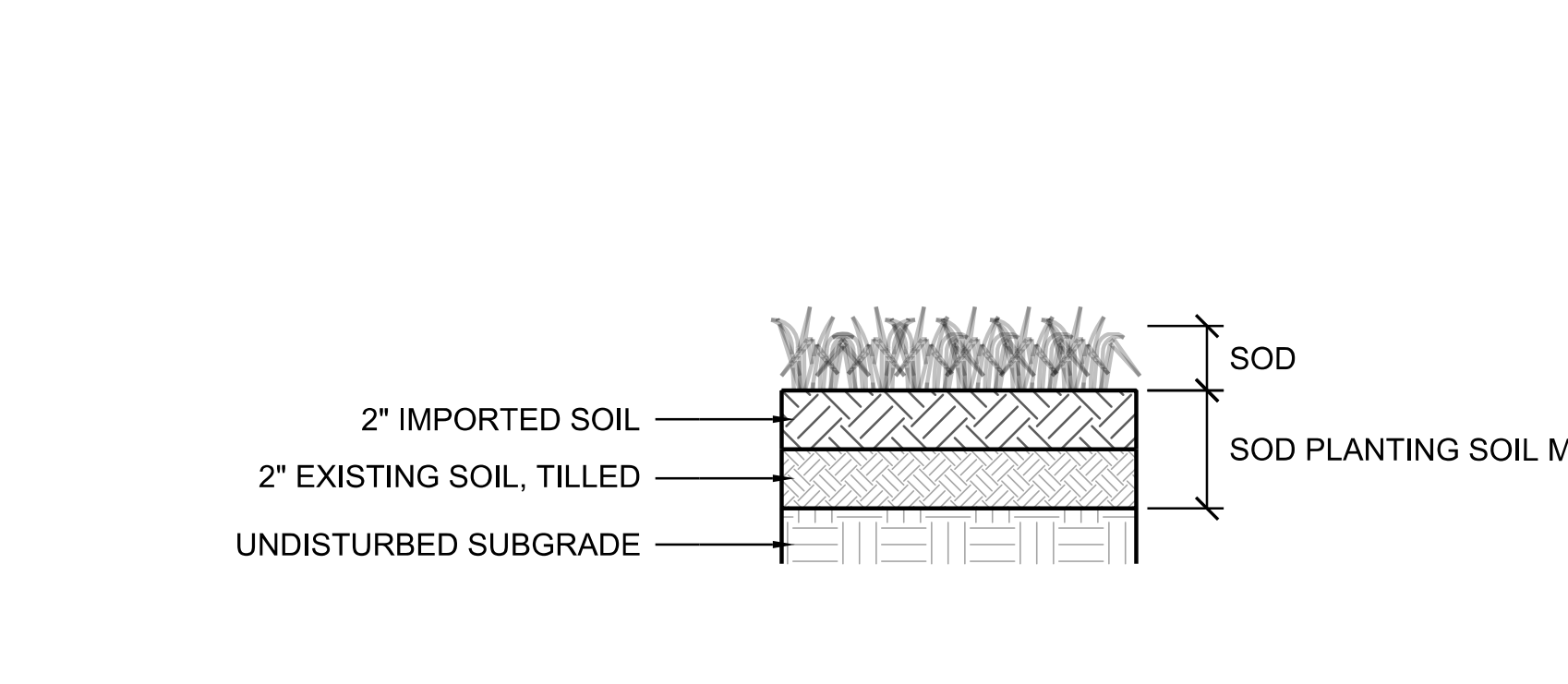
**5 PLATIPUS TREE ANCHORING SYSTEM**  
SCALE: NTS



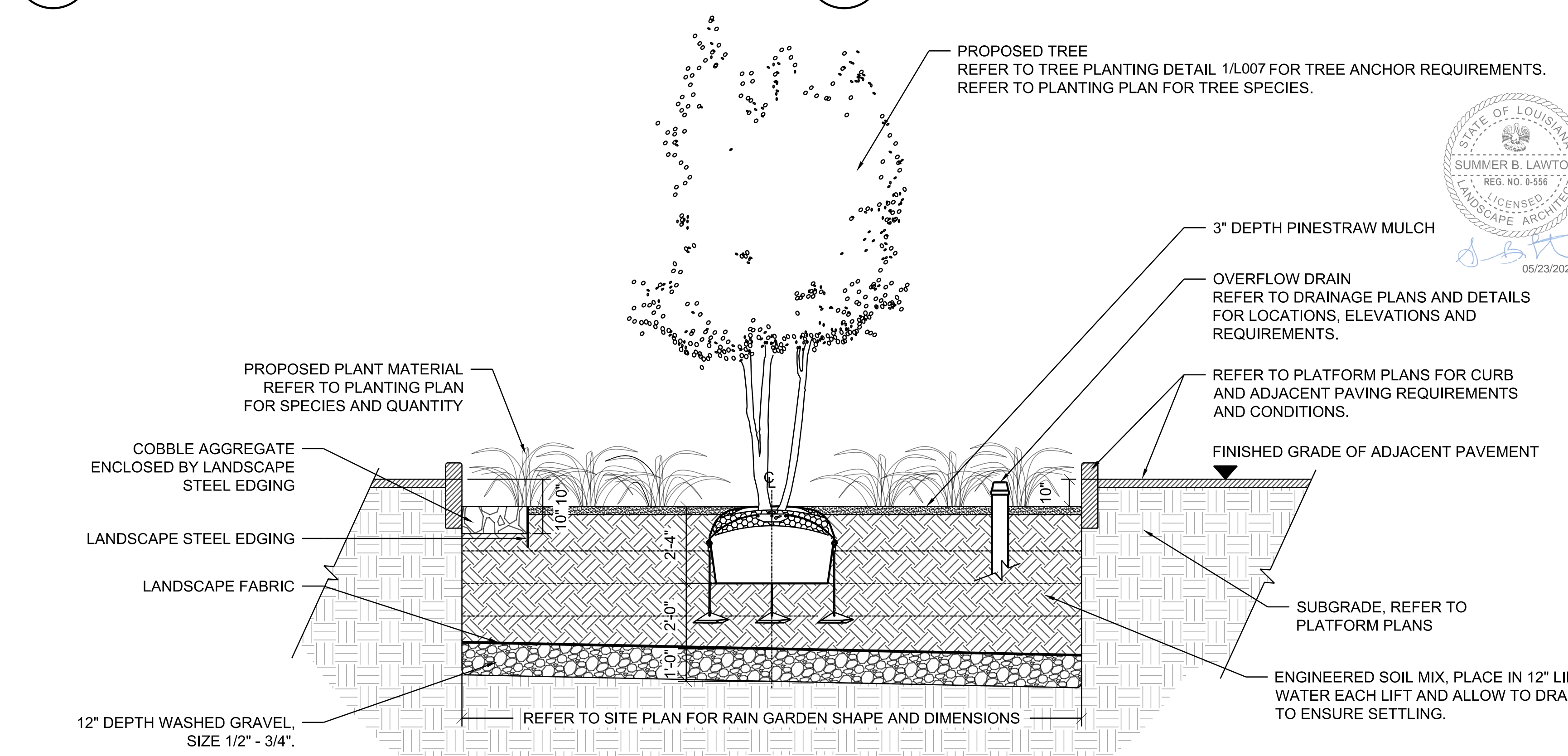
**2 PLANT BED SOIL SECTION**  
SCALE: 1 1/2" = 1'-0"



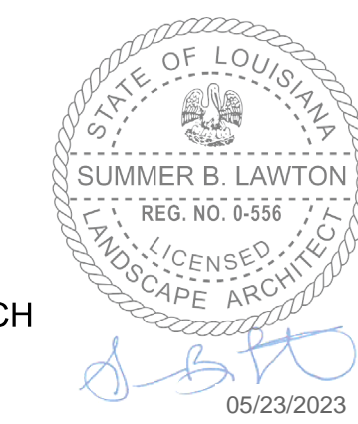
**4 STEEL EDGING, TYP.**  
SCALE: 1 1/2" = 1'-0"



**3 SOD SOIL SECTION**  
SCALE: 2" = 1'-0"



**1 RAIN GARDEN SECTION**  
SCALE: 3/8" = 1'-0"



SHEET NUMBER	L008
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	EM
CHECKED	SC
DATE	5/3/2023
DESIGNED	EM
CHECKED	SC
DATE	5/3/2023
NO.	6 OF 6
BY	
REVISION DESCRIPTION	
DATE	
NO.	
LANDSCAPE IMPROVEMENTS LANDSCAPE DETAILS	
NORTH TRANSIT CENTER	
IBR CITY OF BATON ROUGE OFFICE OF PUBLIC WORKS	
HNTB	







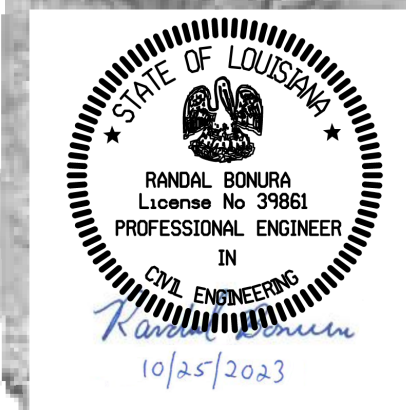
**LEGEND - HATCHING**

 TO BE REMOVED

 CLEARING AND GRUBBING

**NOTES:**

1. SEE LANDSCAPING SHEETS FOR TREES TO REMAIN.
2. DEMO CONCRETE TO NEAREST JOINT.

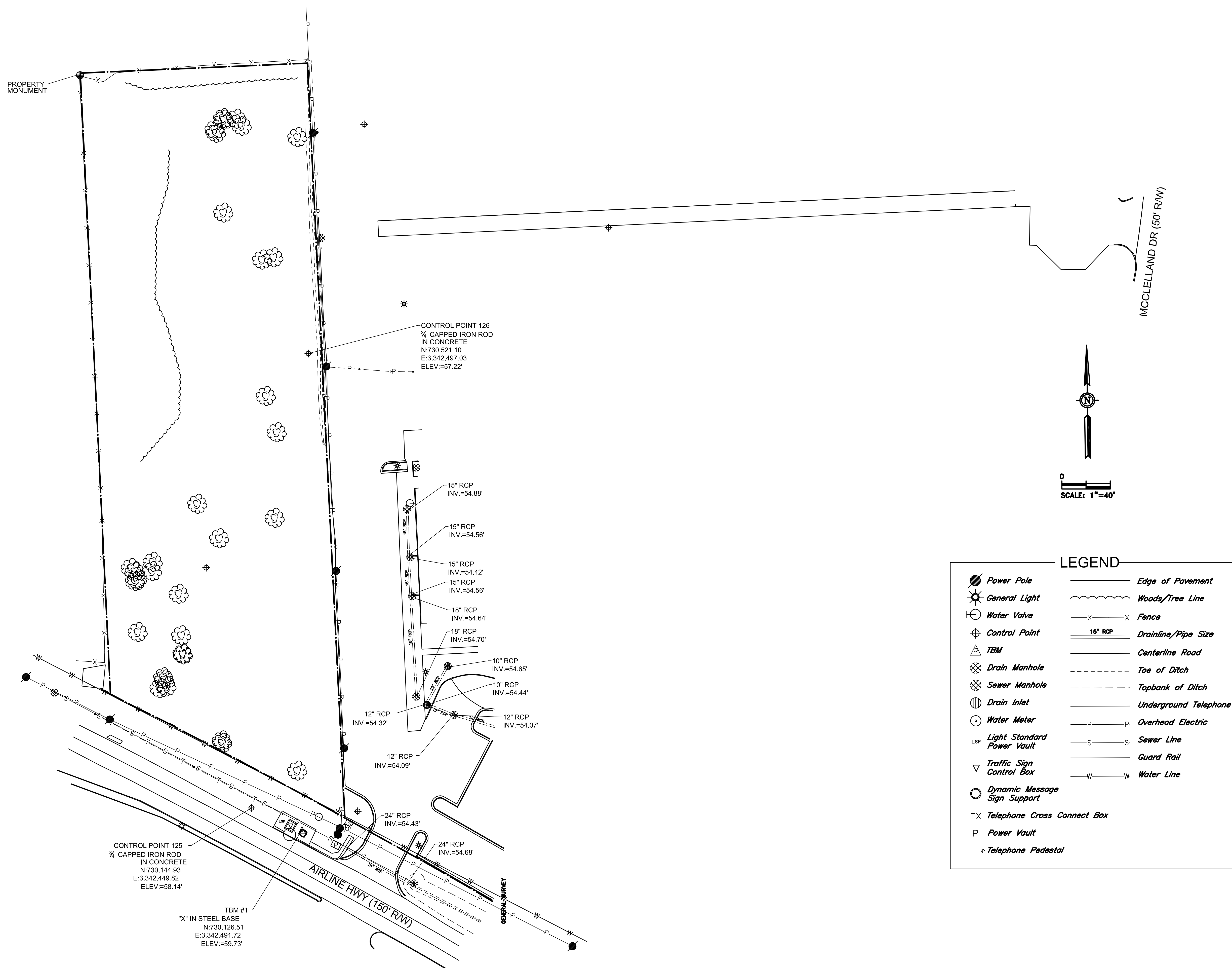


SHEET NUMBER	C002
DESIGNED	CEH
CHECKED	RJB
DATE	5/23/2023
DESIGNED	CEH
CHECKED	RJB
DATE	5/23/2023
NO.	
DATE	
BY	
REVISION DESCRIPTION	



SITE DEMOLITION PLAN  
NORTH TRANSIT CENTER





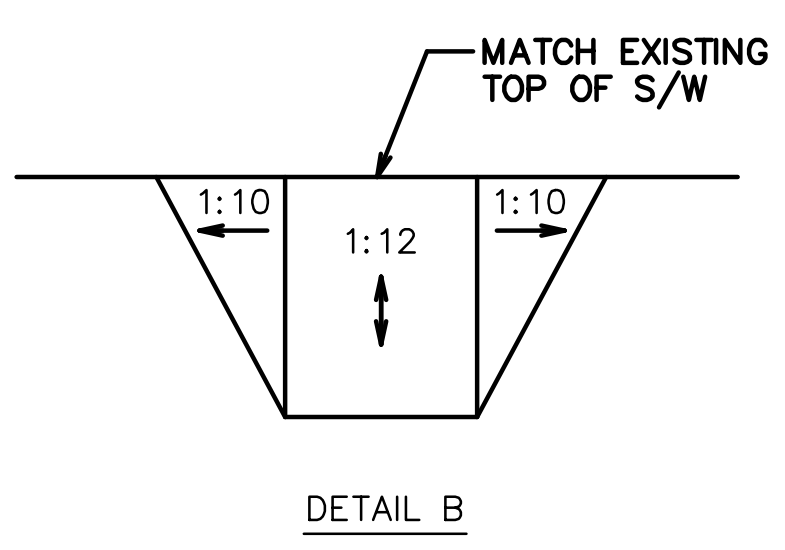
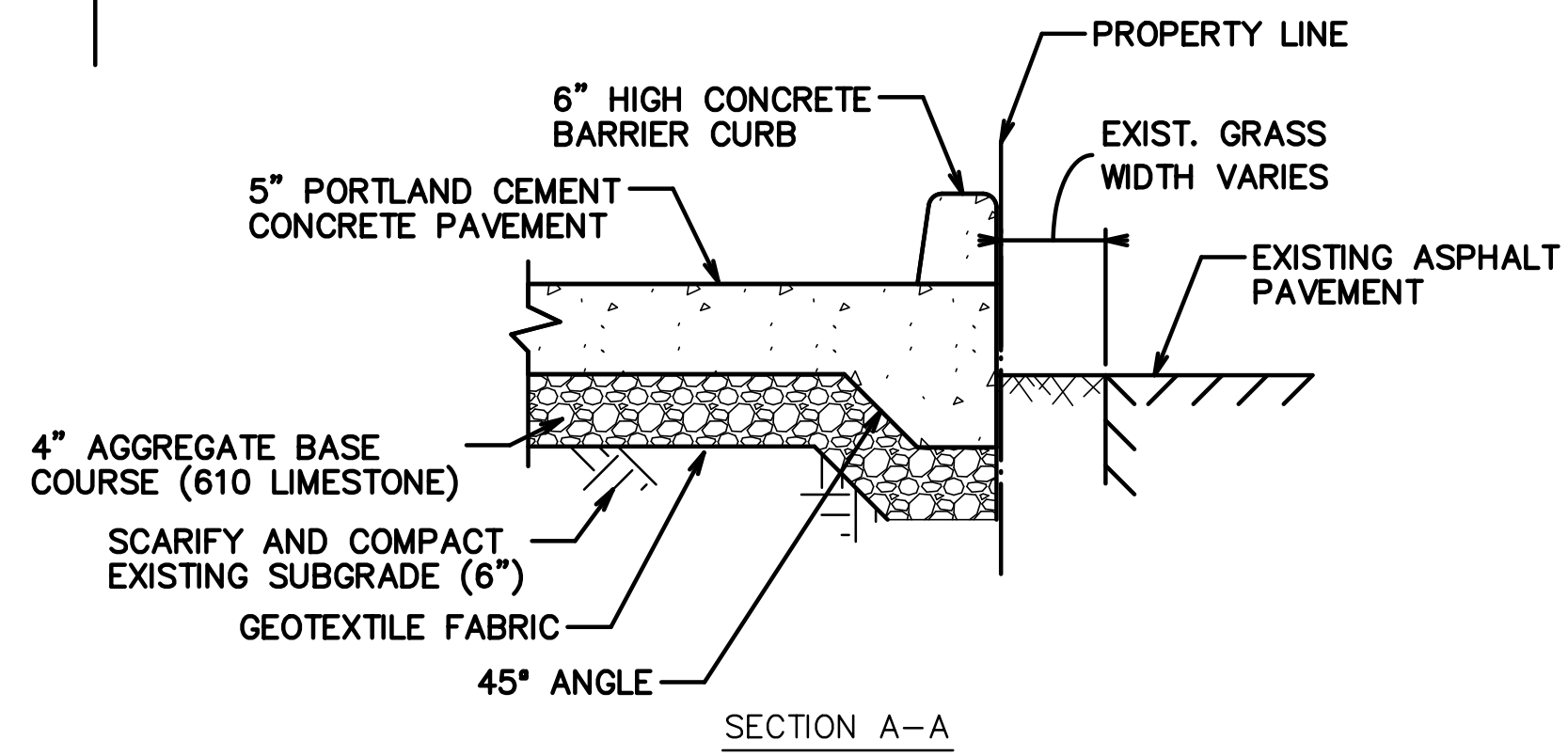
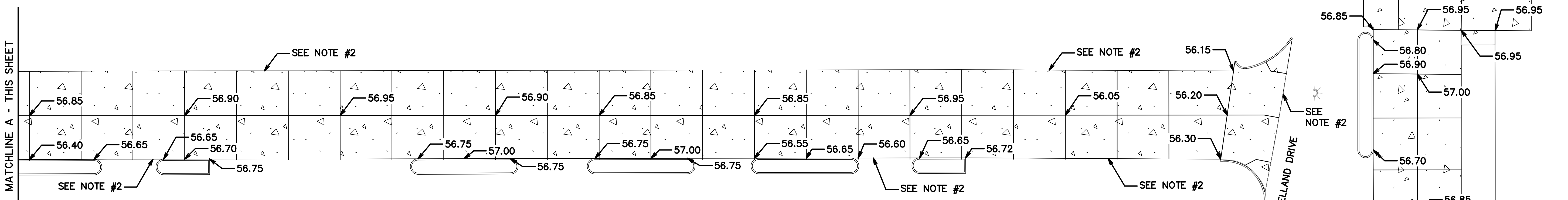
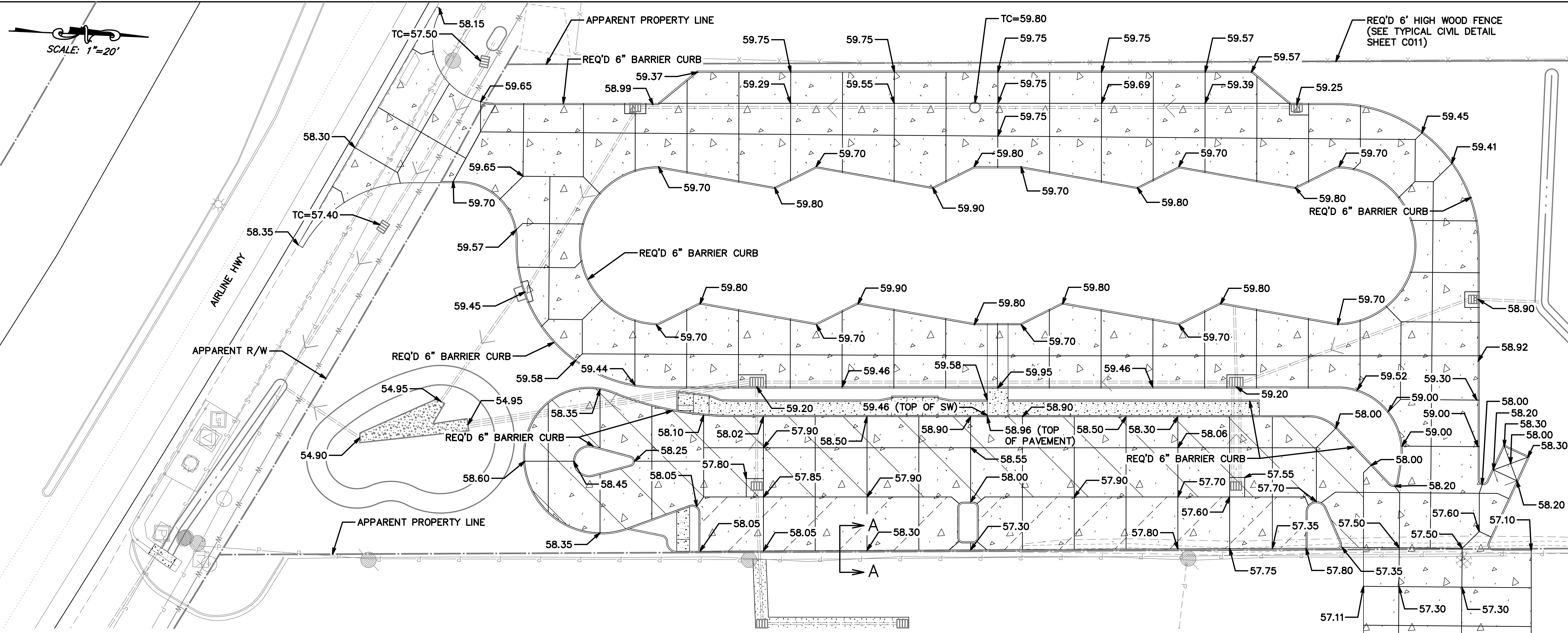
SHEET NUMBER	C003
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	CEH
CHECKED	RJB
DATE	5/23/2023
SHEET	1 OF 1
NO.	
DATE	
BY	
REVISION DESCRIPTION	



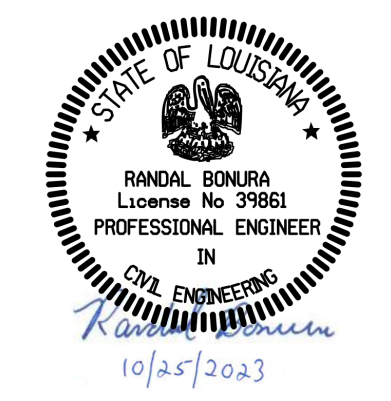
GENERAL SURVEY  
 NORTH TRANSIT CENTER







- LEGEND - HATCHING**
- 4" THICK CONCRETE SIDEWALK
  - 5" THICK PORTLAND CEMENT CONCRETE PAVING
  - 7" THICK PORTLAND CEMENT CONCRETE PAVING
  - 8" THICK PORTLAND CEMENT CONCRETE PAVING
  - 6" BARRIER CURB

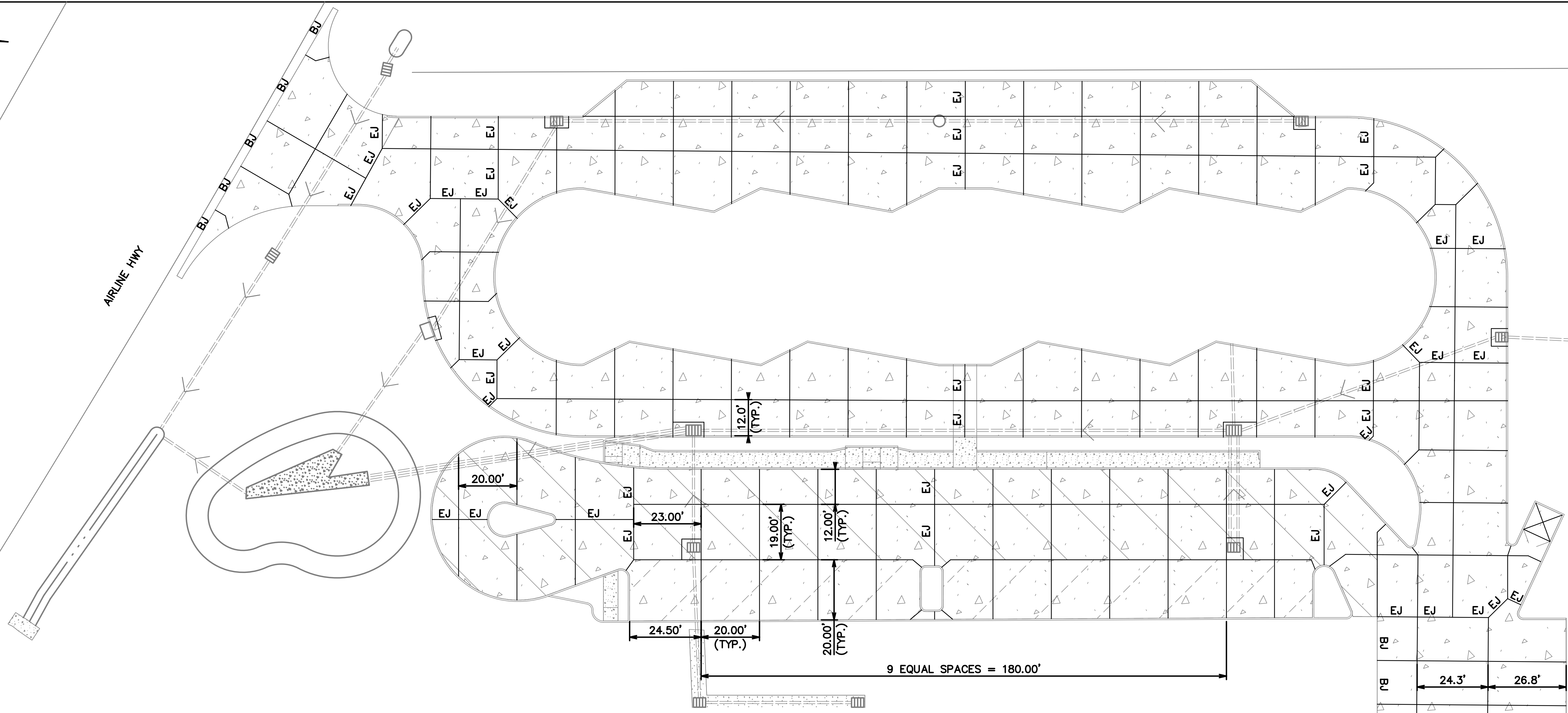


- NOTES:**
1. ALL ELEVATIONS SHOWN AROUND THE PLATFORM ARE AT THE BOTTOM OF PLATFORM.
  2. MATCH EXISTING ELEVATION AT TIE IN.
  3. SEE TYPICAL CIVIL DETAIL SHEETS FOR CONCRETE PAVEMENT DETAILS.

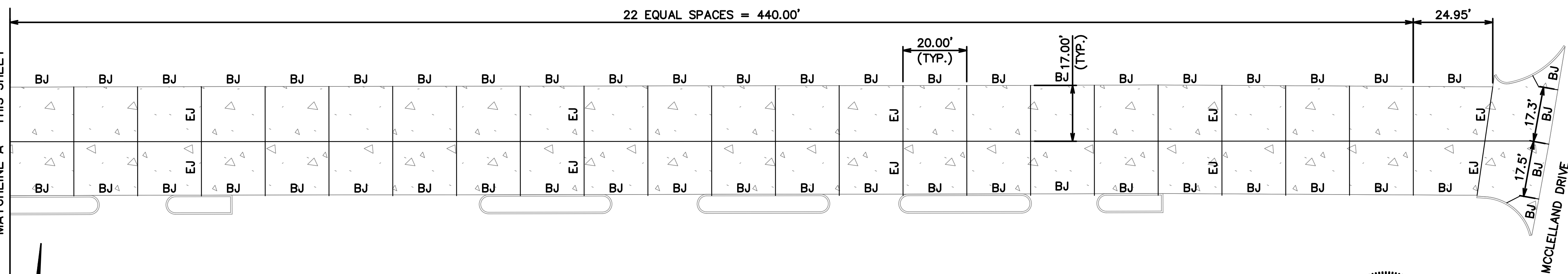
SHEET NUMBER	C005	PARISH	EAST BATON ROUGE PARISH	PROJECT	16-CI-US-0032
DESIGNED	CEH	CITY	PROJECT	STATE	PROJECT
CHECKED	RJB	DATE	5/23/2023	SHEET	1 OF 1
DATE	5/23/2023	BY		REVISION	DESCRIPTION
NO.		DATE			
<b>MOVTEBR</b>					
ELEVATION AND PAVING PLAN					
NORTH TRANSIT CENTER					
<b>IBR</b> CITY OF BATON ROUGE PARISH OF EAST BATON ROUGE					
<b>HNTB</b>					



AIRLINE HWY

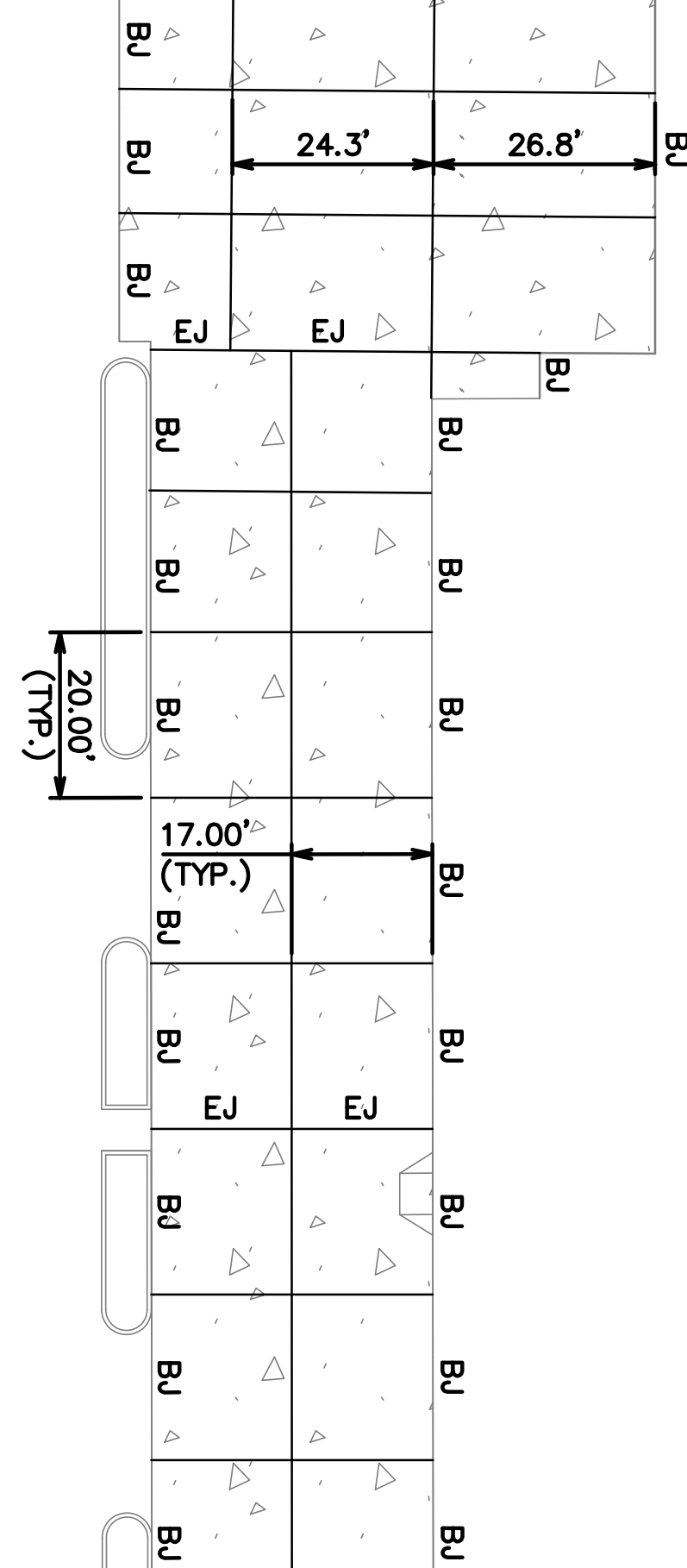
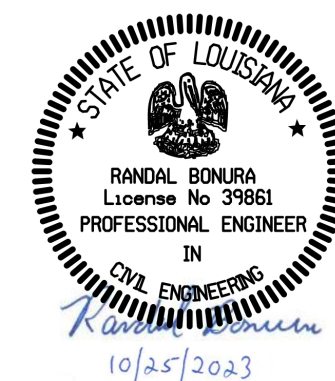


MATCHLINE A - THIS SHEET



MCCLELLAND DRIVE

- LEGEND
- CONSTRUCTION JOINT
  - EJ EXPANSION JOINT
  - BU BUTT JOINT



MATCHLINE A - THIS SHEET

SHEET NUMBER	C006
DESIGNED	CEH
CHECKED	RJB
DATE	5/23/2023
DESIGNED	TKS
CHECKED	RJB
DATE	5/23/2023
NO.	
DATE	
BY	
REVISION DESCRIPTION	

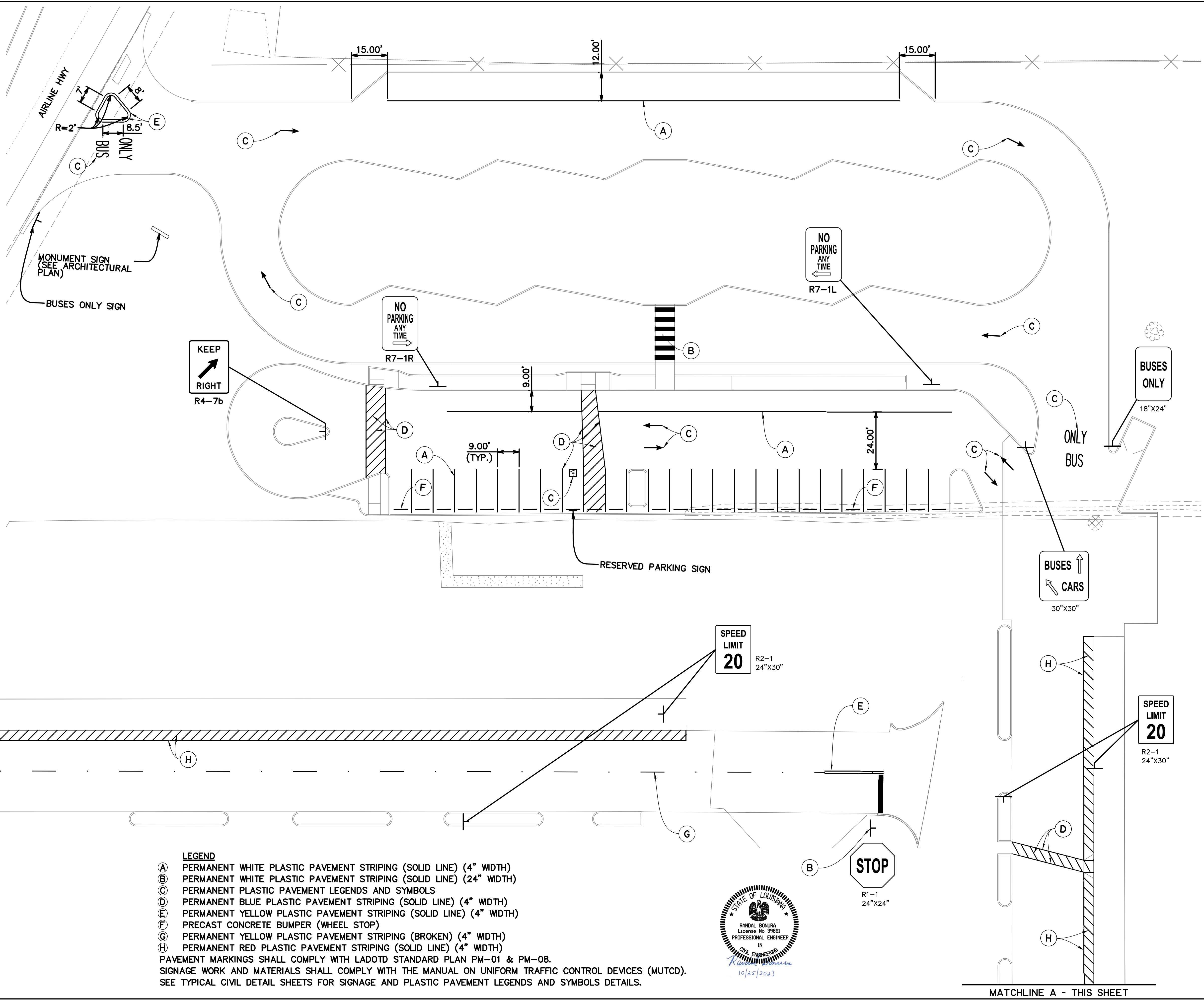


JOINT LAYOUT

NORTH TRANSIT CENTER



SCALE: 1"=20'



MATCHLINE A - THIS SHEET

SCALE: 1"=20'

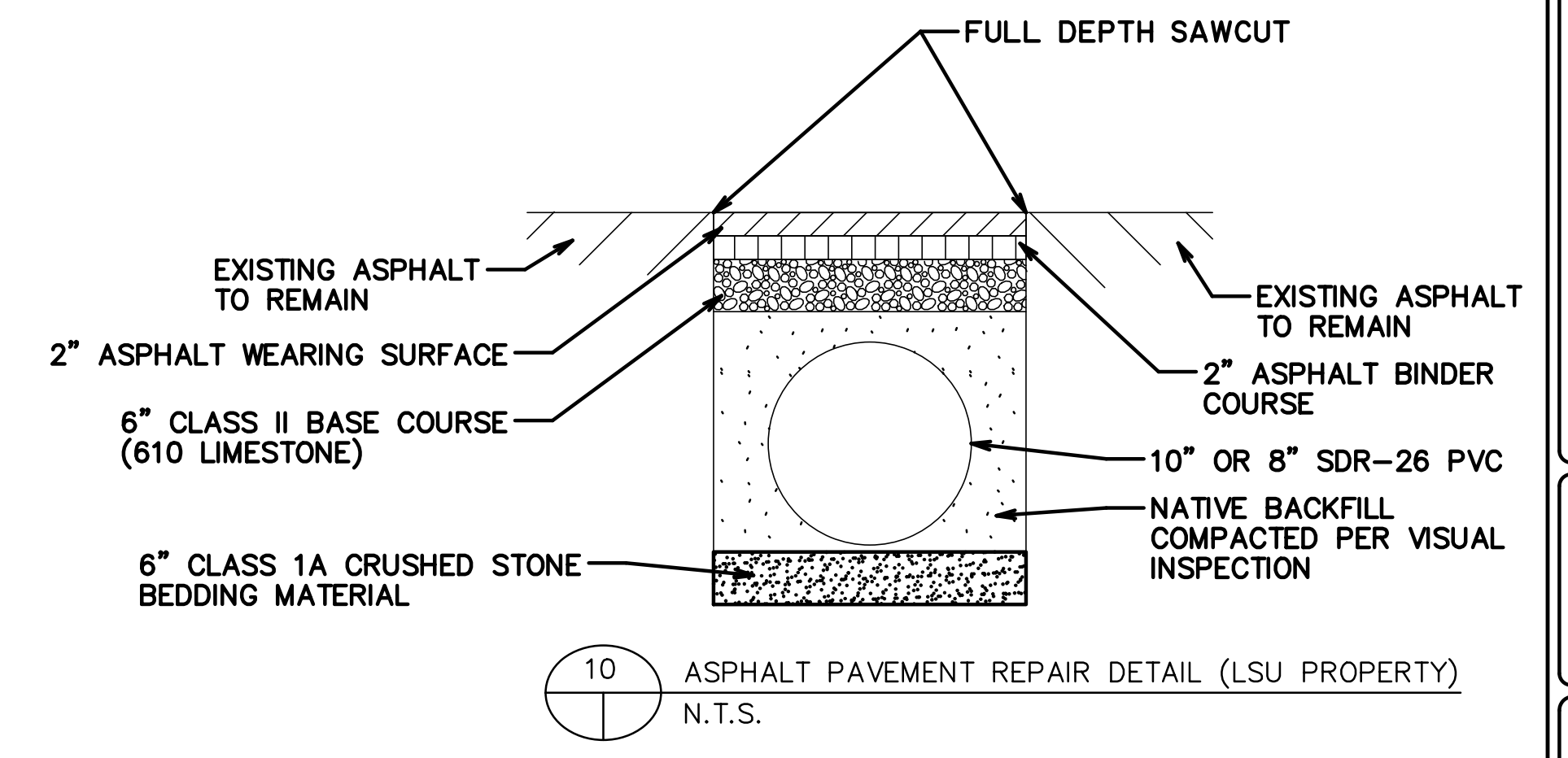
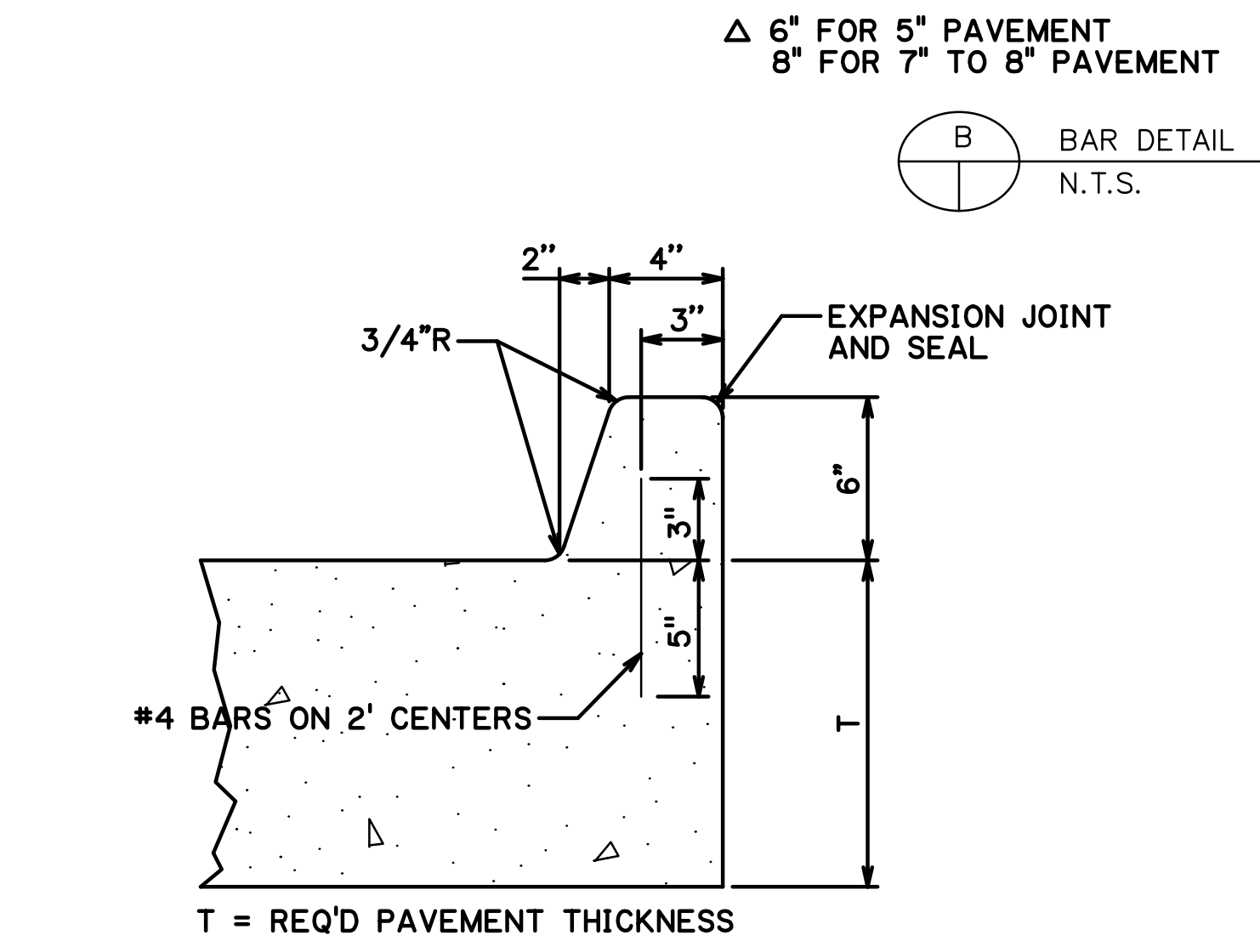
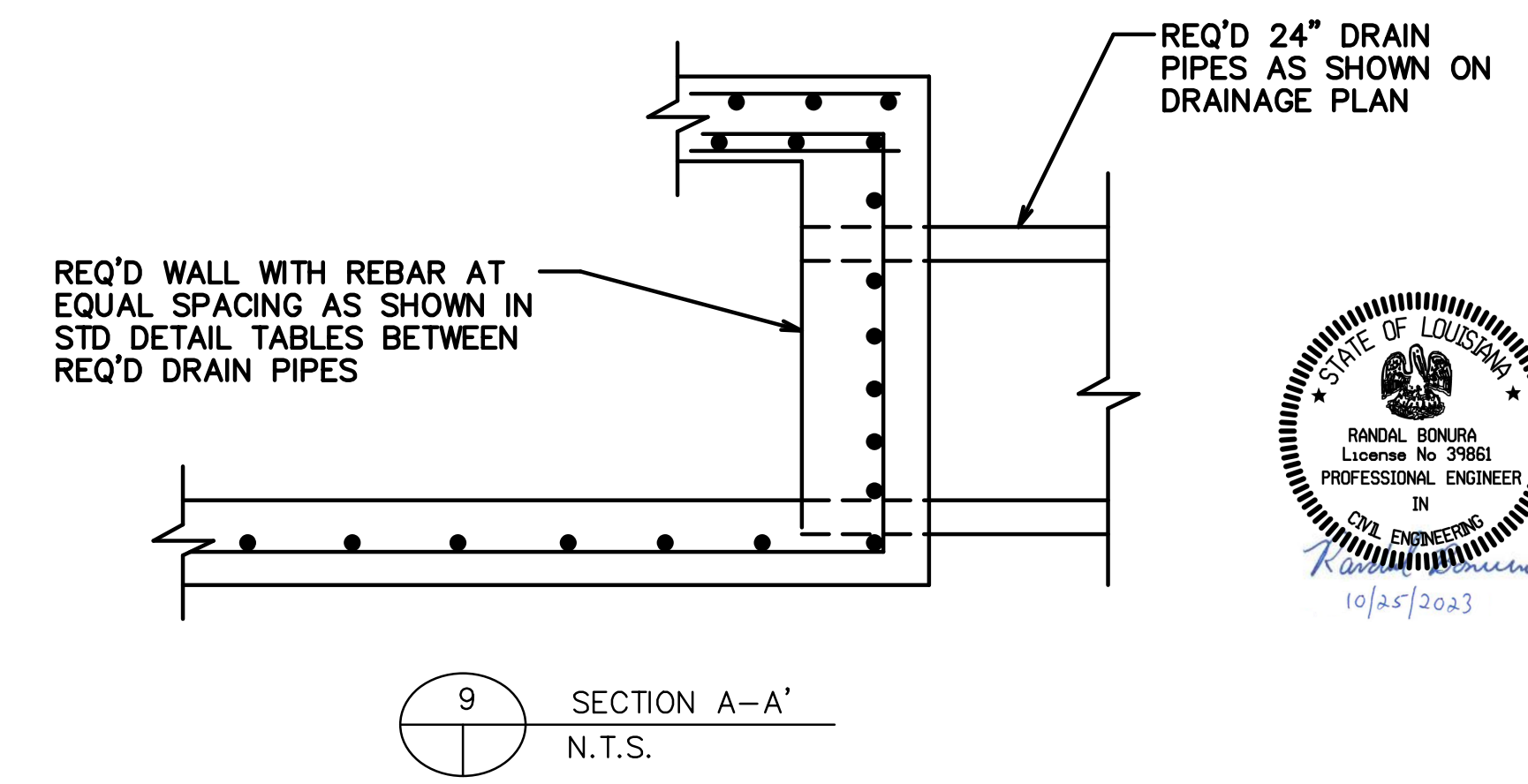
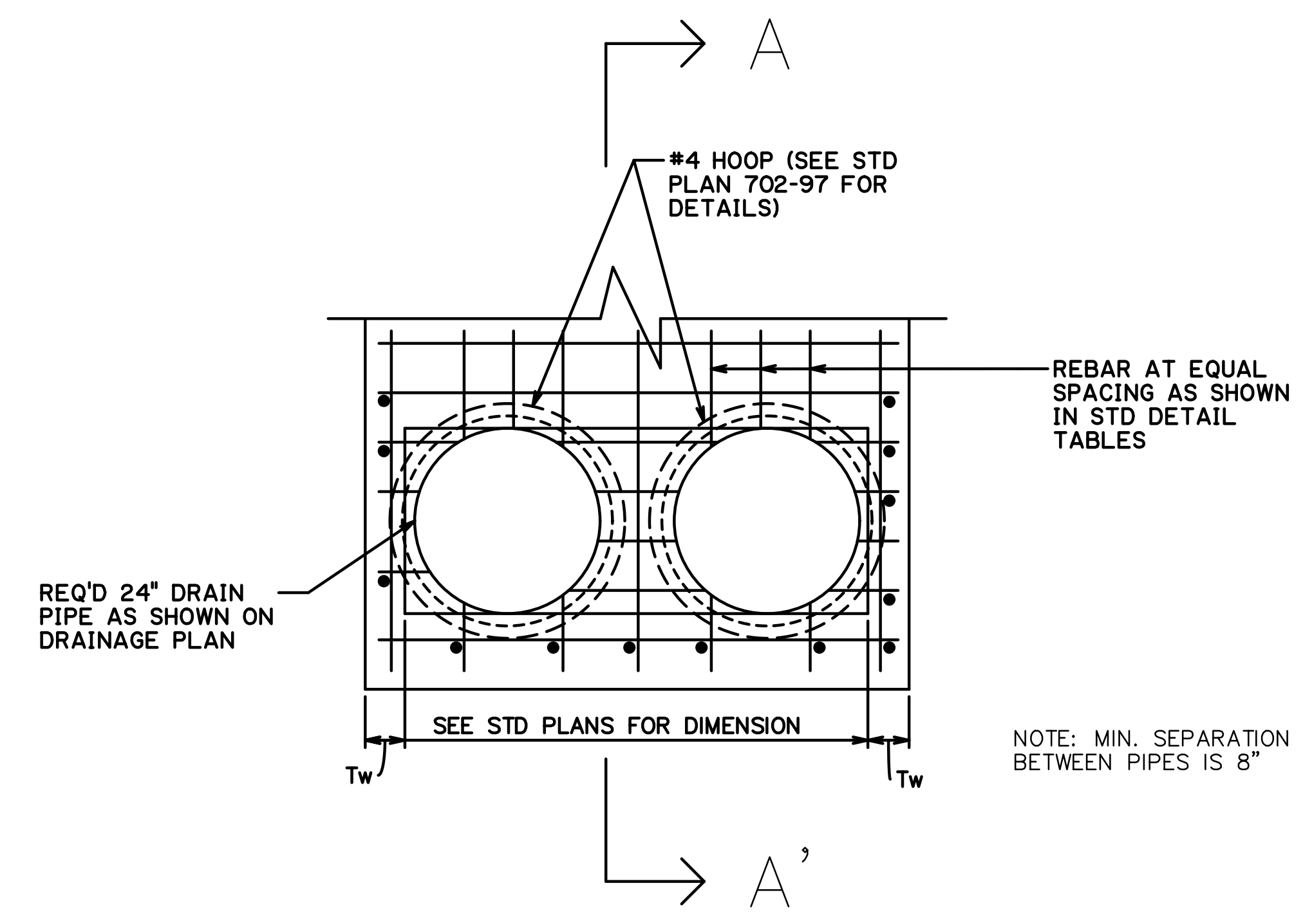
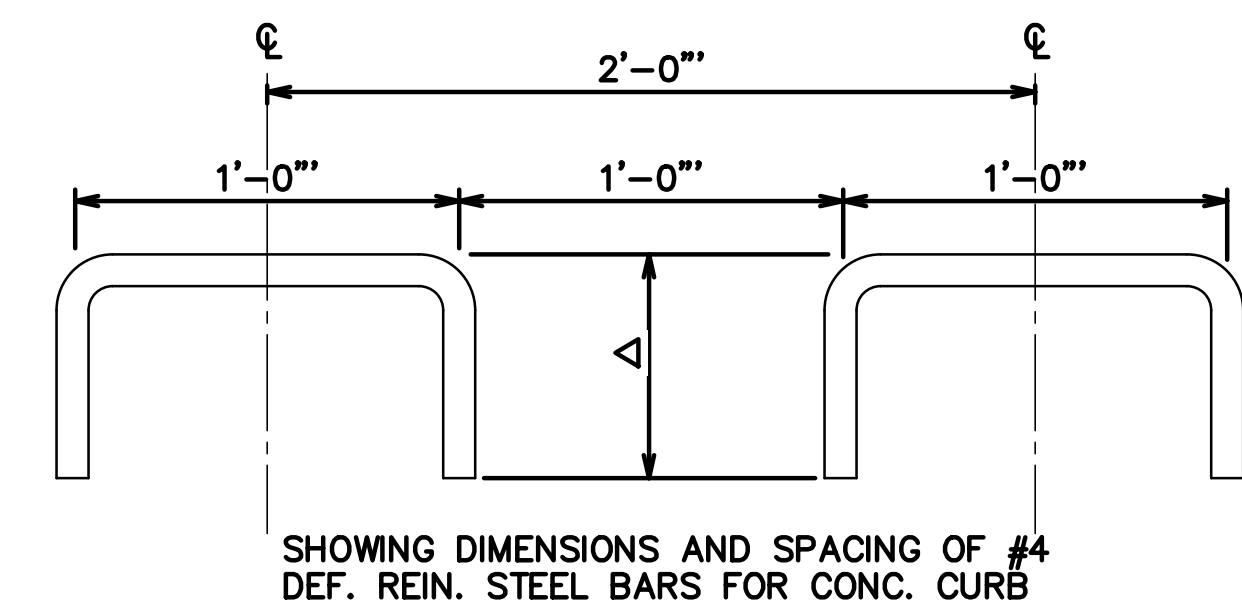
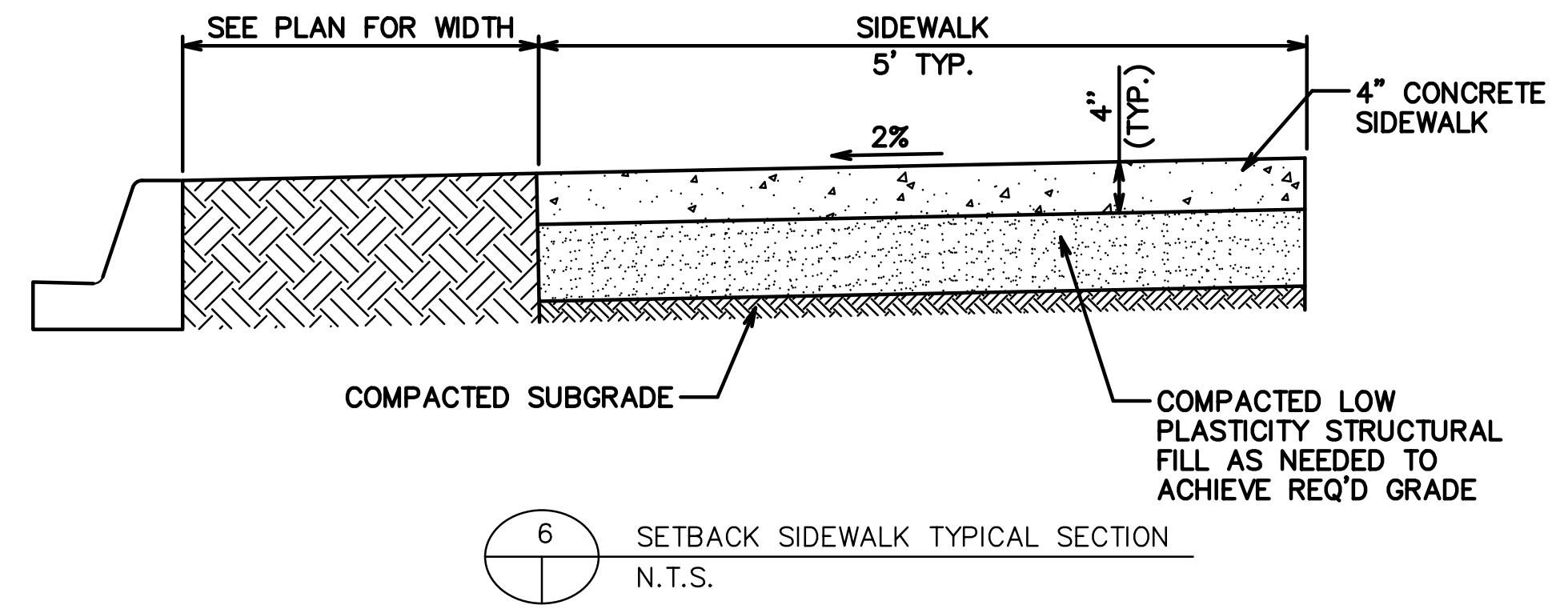
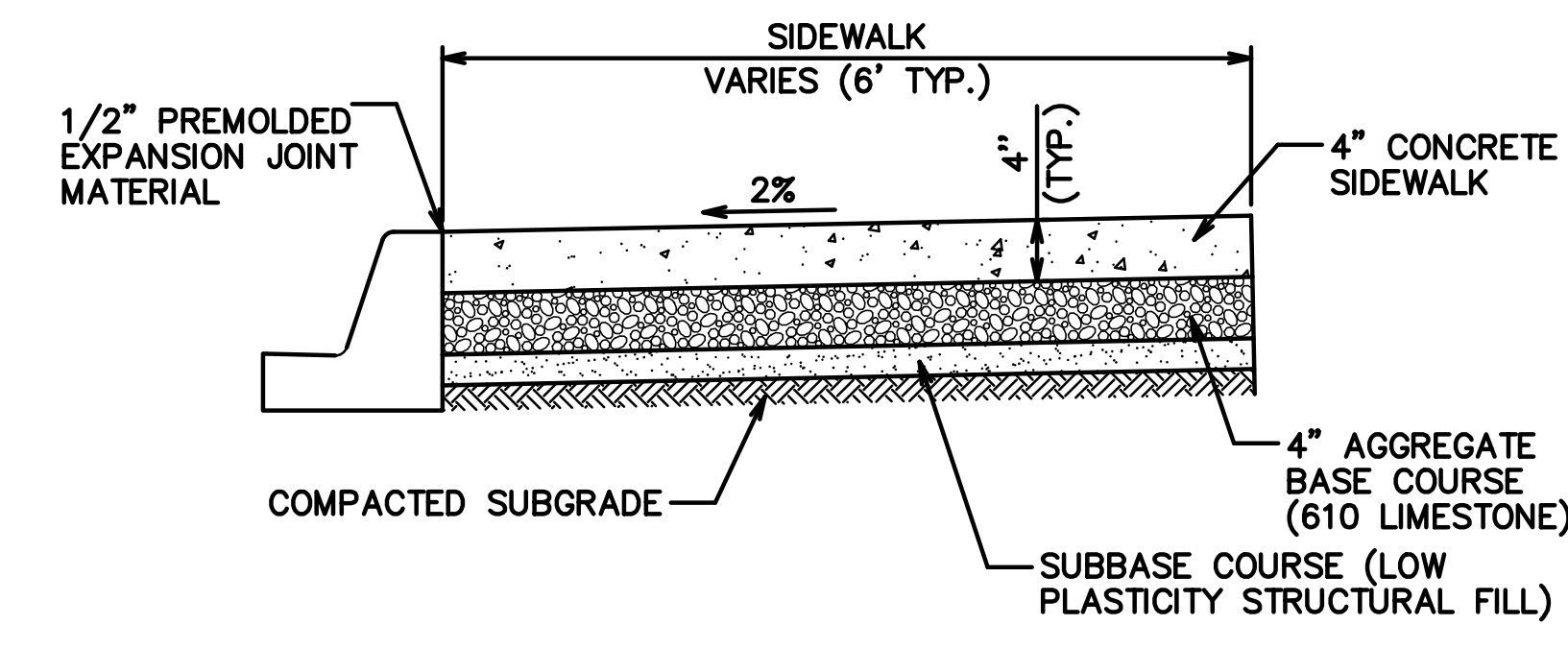
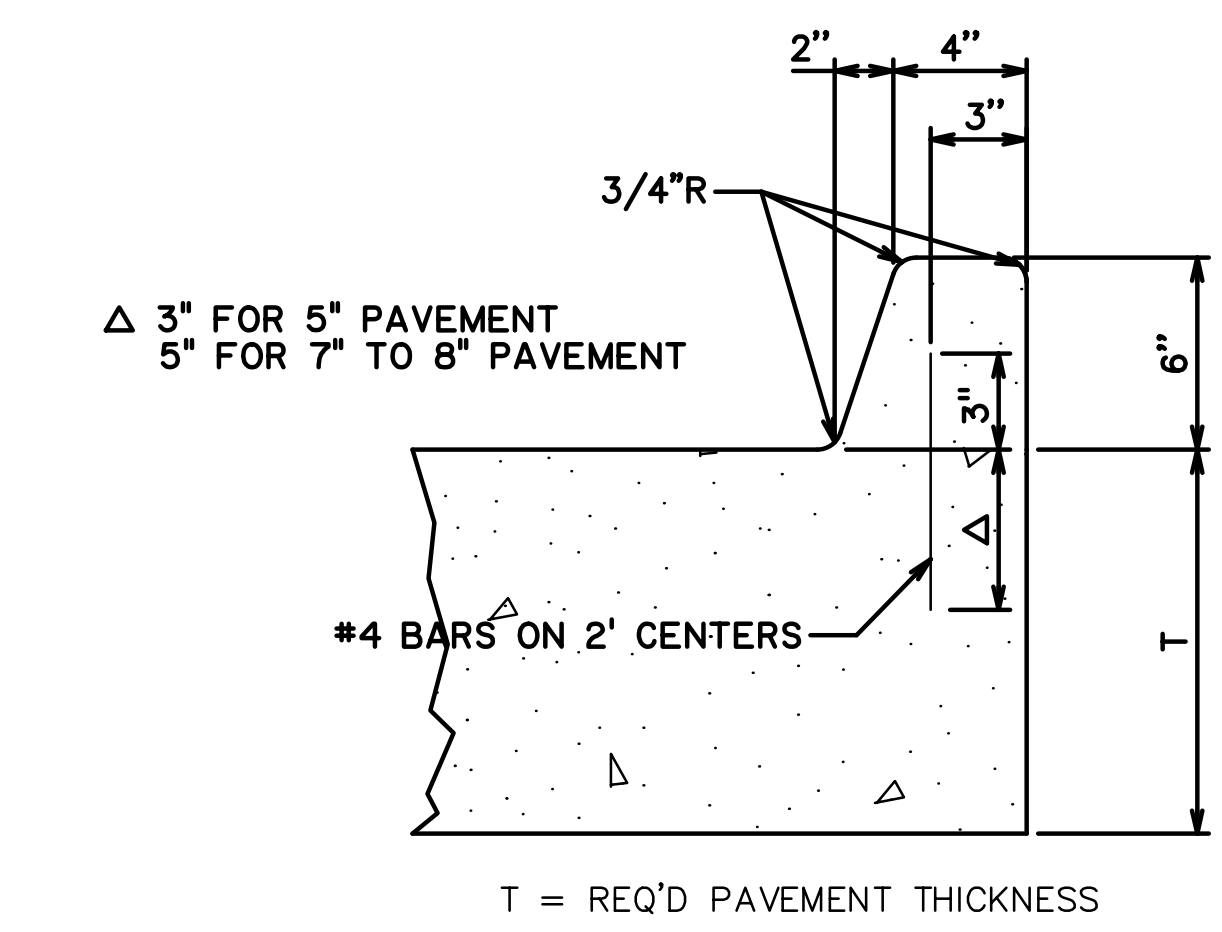
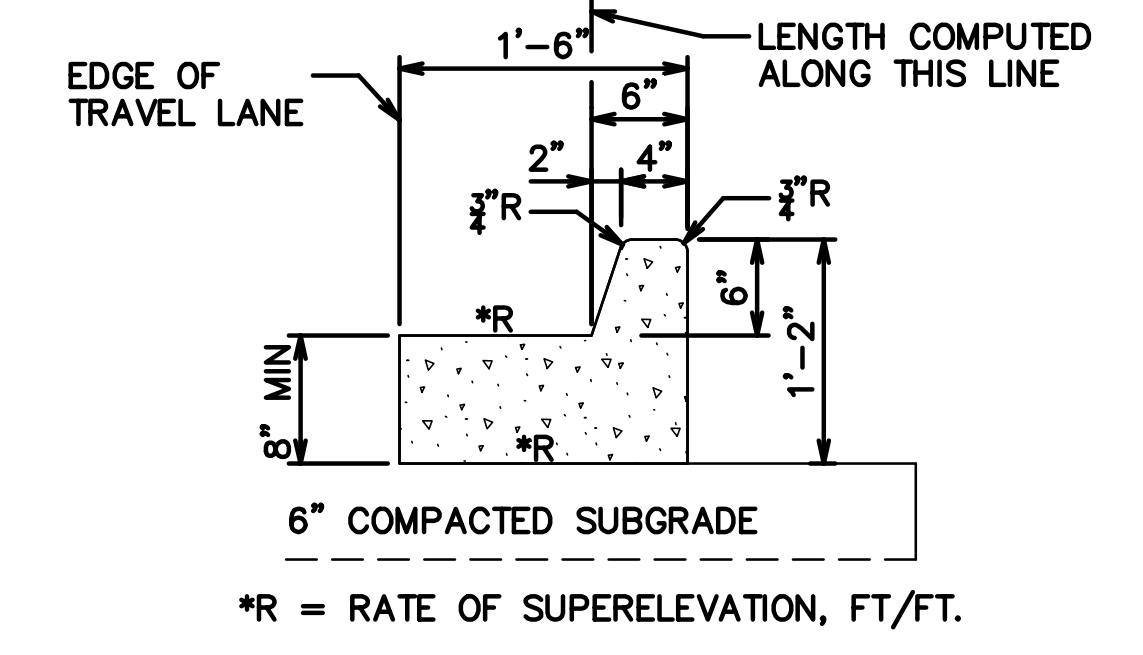
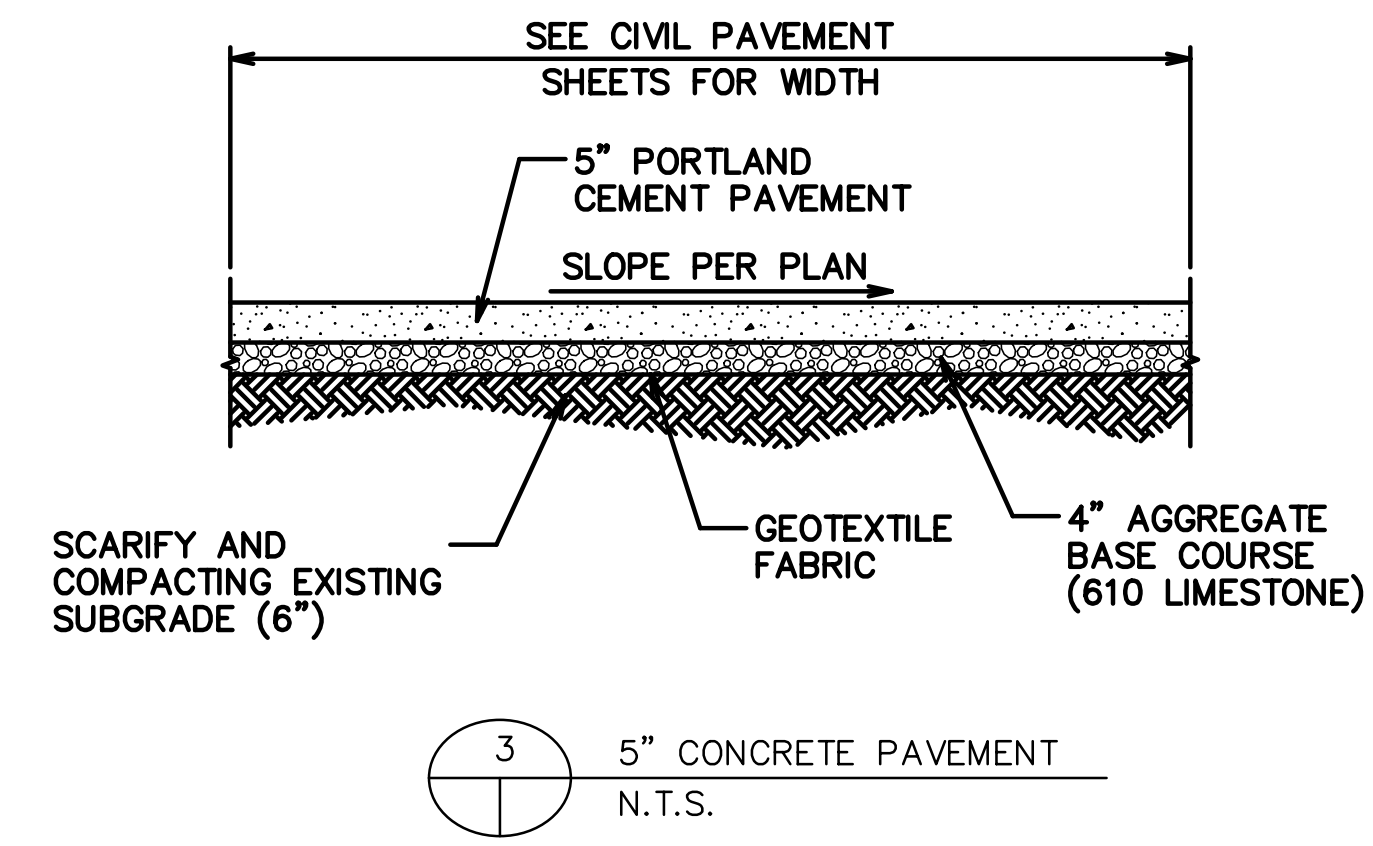
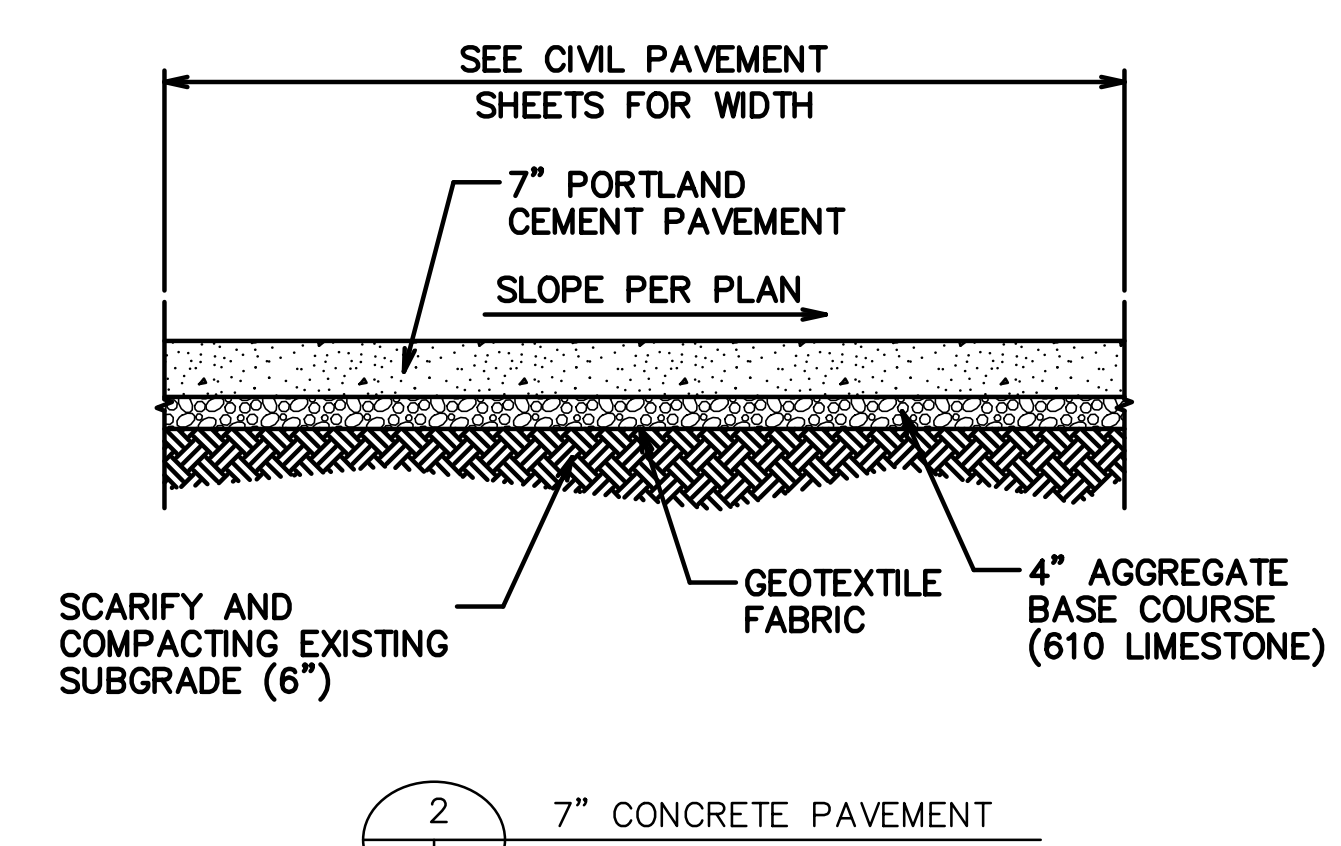
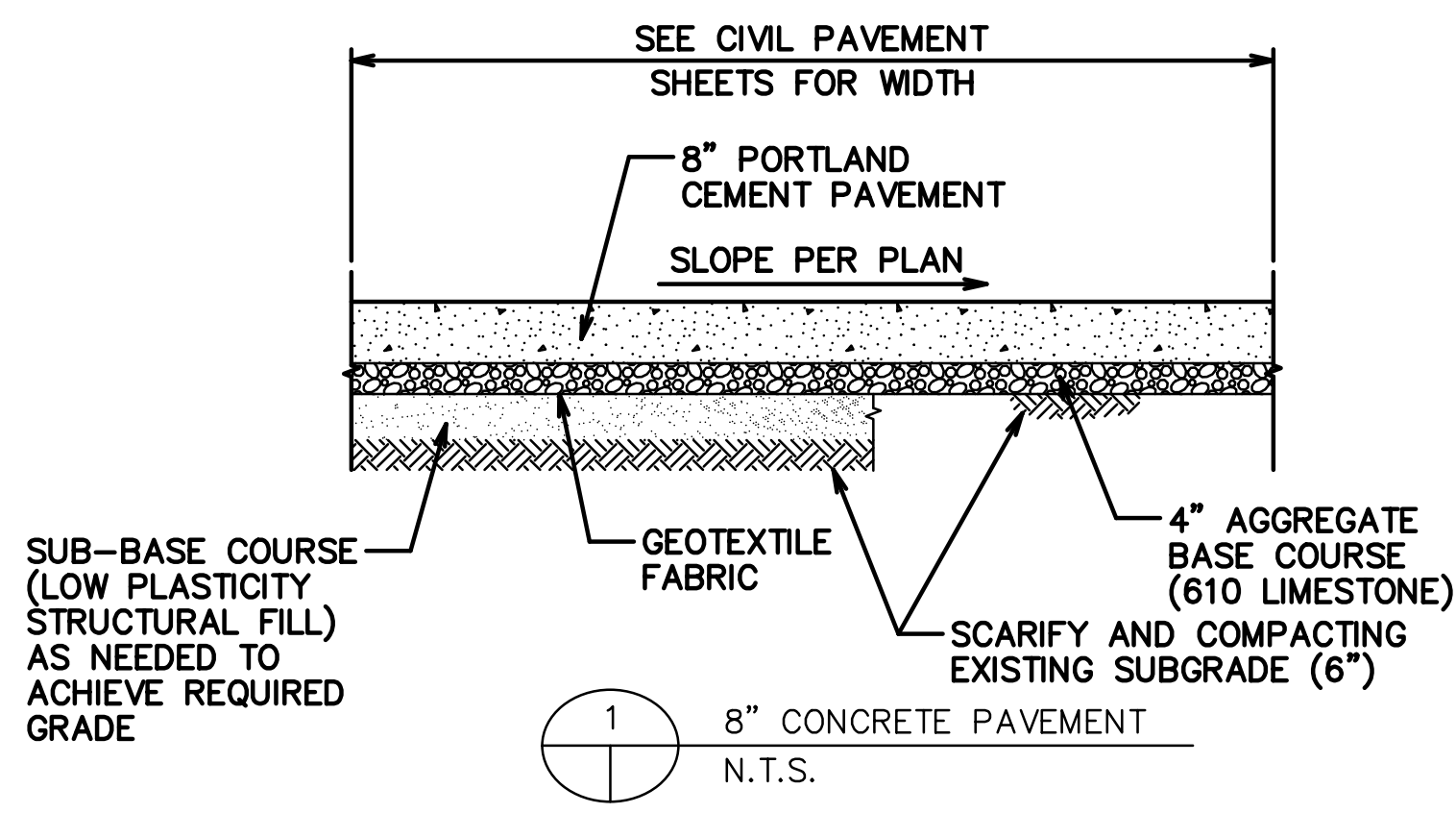
- LEGEND**
- (A) PERMANENT WHITE PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)
  - (B) PERMANENT WHITE PLASTIC PAVEMENT STRIPING (SOLID LINE) (24" WIDTH)
  - (C) PERMANENT PLASTIC PAVEMENT LEGENDS AND SYMBOLS
  - (D) PERMANENT BLUE PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)
  - (E) PERMANENT YELLOW PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)
  - (F) PRECAST CONCRETE BUMPER (WHEEL STOP)
  - (G) PERMANENT YELLOW PLASTIC PAVEMENT STRIPING (BROKEN) (4" WIDTH)
  - (H) PERMANENT RED PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH)

PAVEMENT MARKINGS SHALL COMPLY WITH LADOTD STANDARD PLAN PM-01 & PM-08.  
SIGNAGE WORK AND MATERIALS SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).  
SEE TYPICAL CIVIL DETAIL SHEETS FOR SIGNAGE AND PLASTIC PAVEMENT LEGENDS AND SYMBOLS DETAILS.



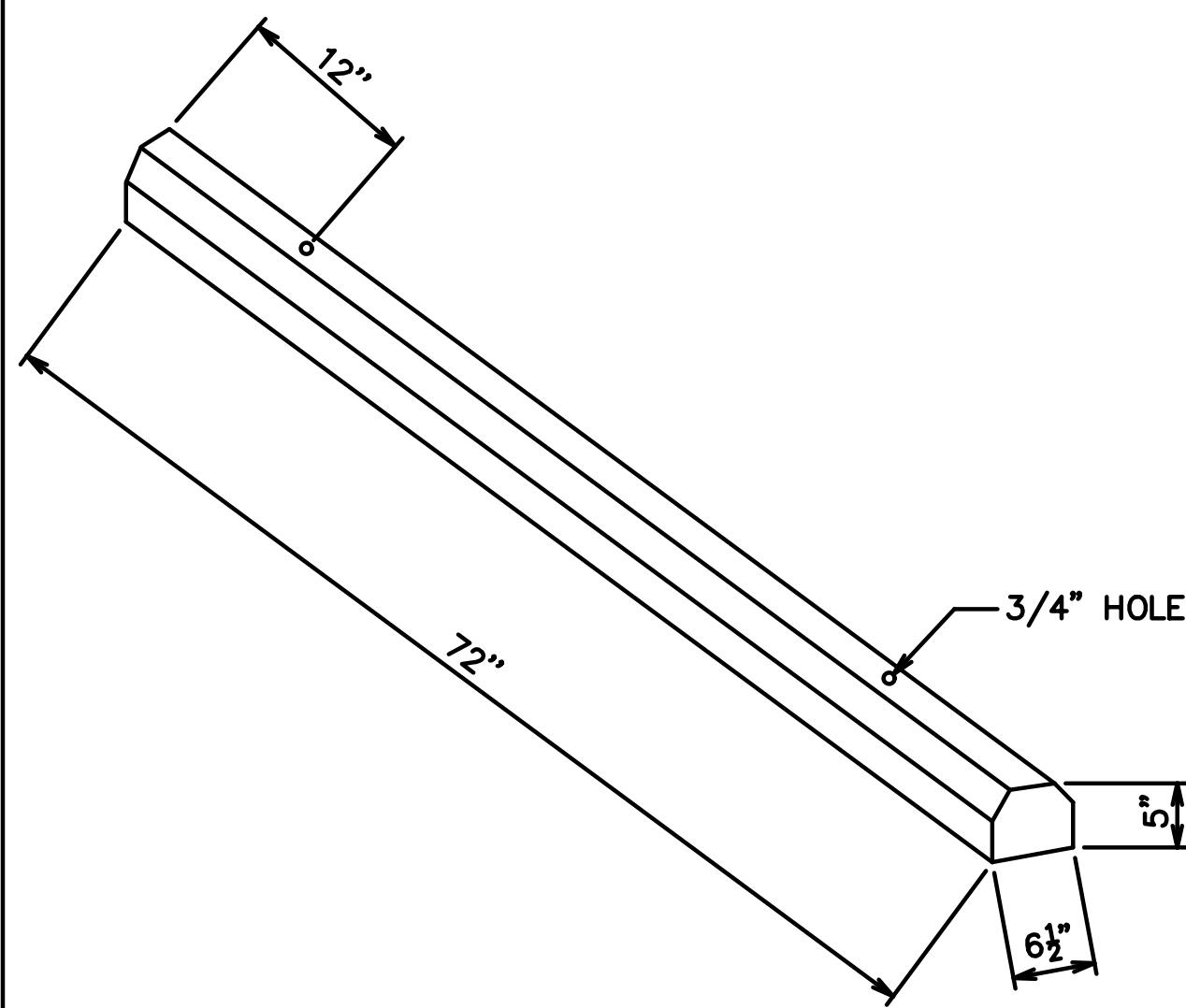
SHEET NUMBER	C007
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED CEH	
CHECKED R/JB	
DATE	5/23/2023
DESIGNED TKS	
CHECKED R/JB	
DATE	5/23/2023
SHEET	11 OF 1
NO.	
DATE	
BY	
REVISION DESCRIPTION	
PERMANENT PAVEMENT STRIPING & SIGNAGE NORTH TRANSIT CENTER	



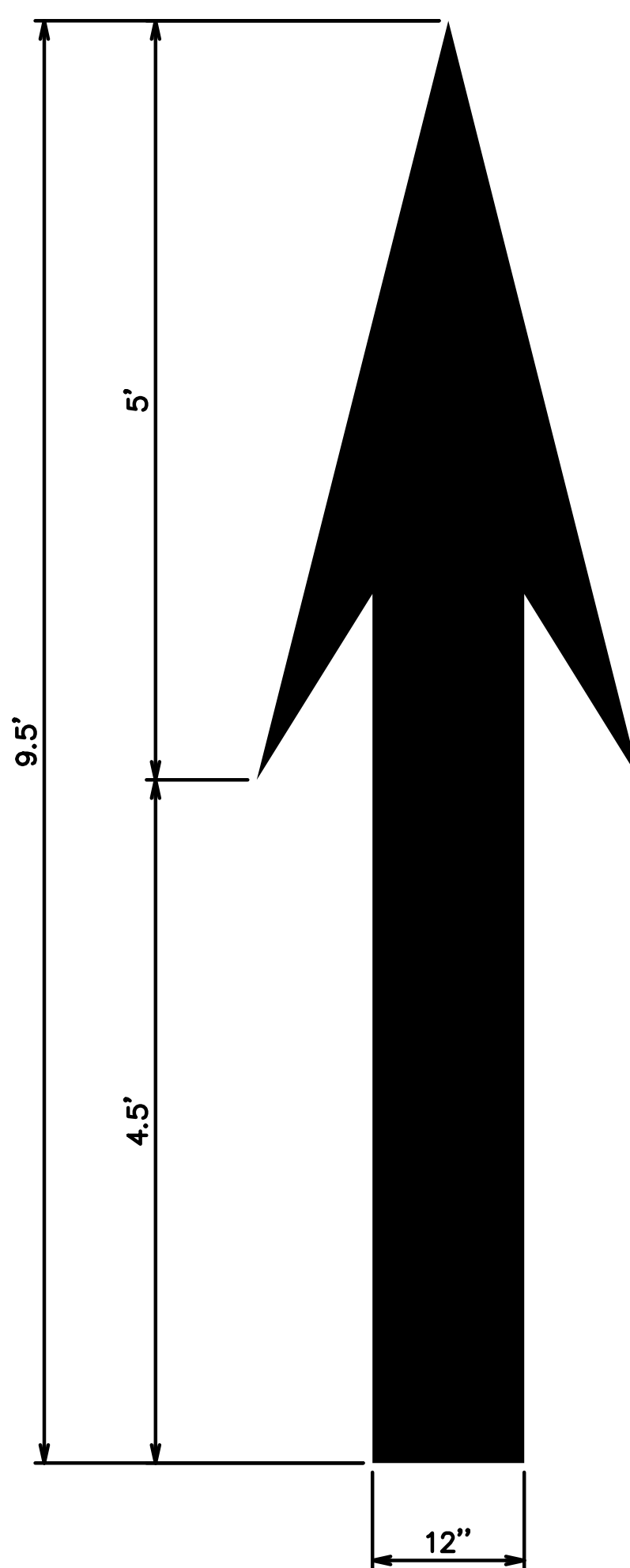


SHEET NUMBER	C009
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	CEH
CHECKED	RJB
DATE	5/23/2023
DESIGNED	TKS
CHECKED	RJB
DATE	11 OF 3
NO.	
DATE	
REVISION DESCRIPTION	
BY	
TYPICAL CIVIL DETAILS NORTH TRANSIT CENTER	



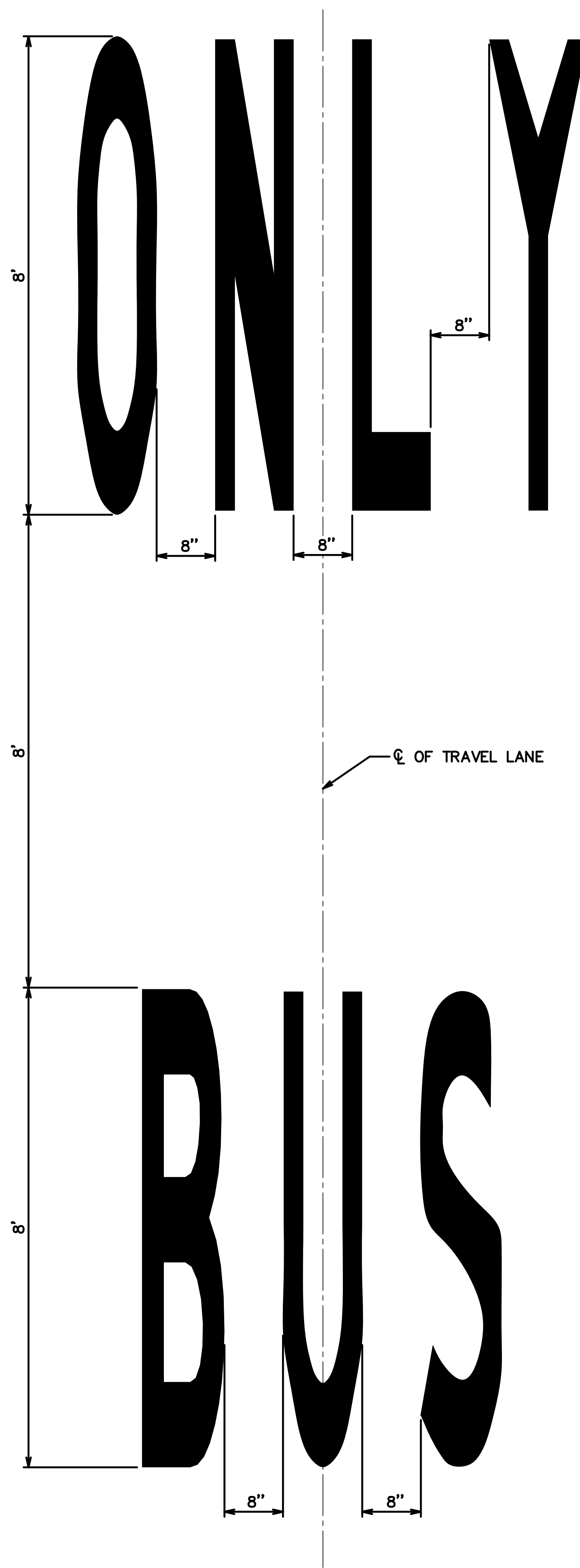


10 PRECAST CONCRETE BUMPER (WHEEL STOP)  
N.T.S.

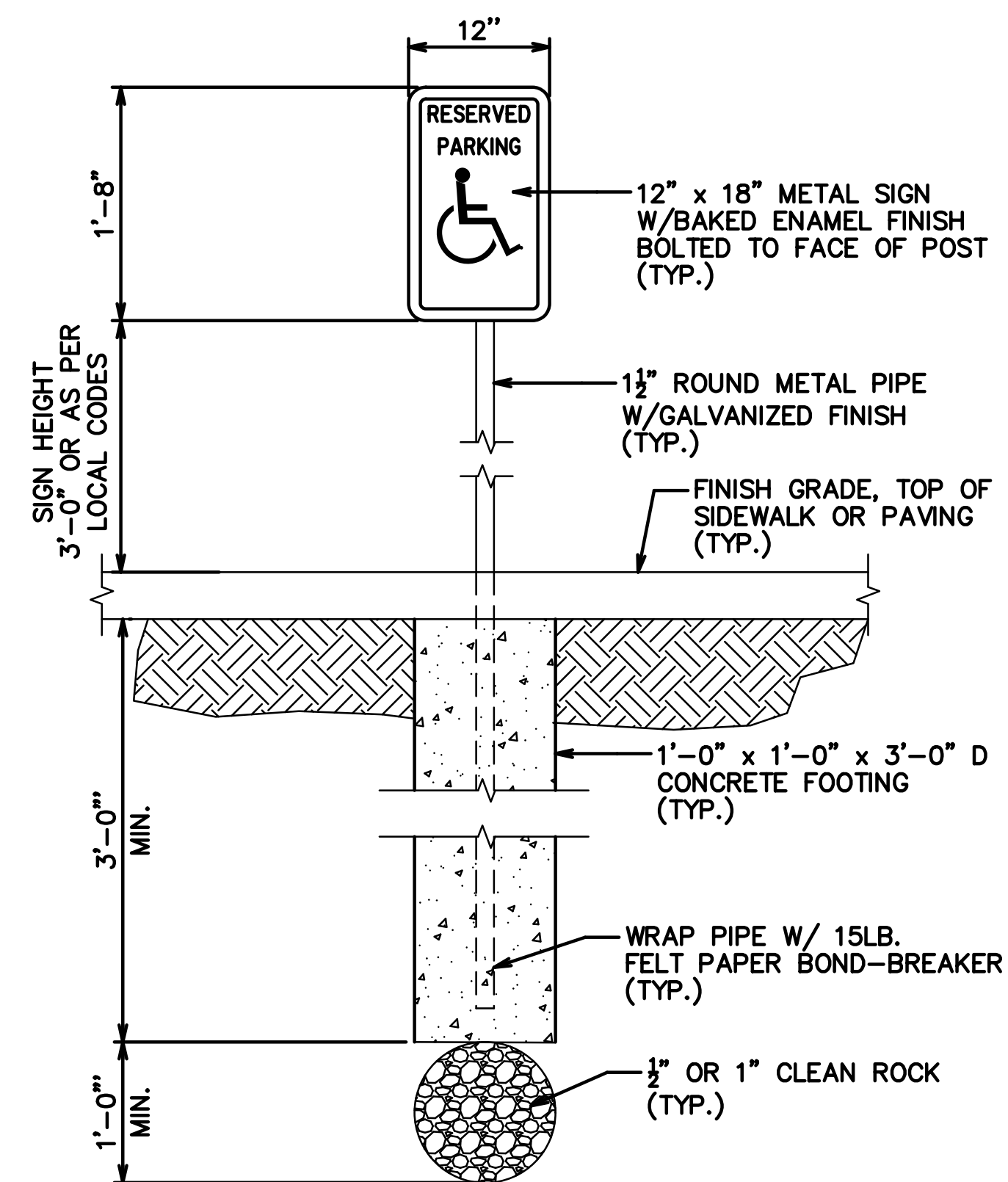


11 PAVEMENT MARKING DETAIL - STRAIGHT ARROW  
N.T.S.

↑  
TRAFFIC DIRECTION  
↑

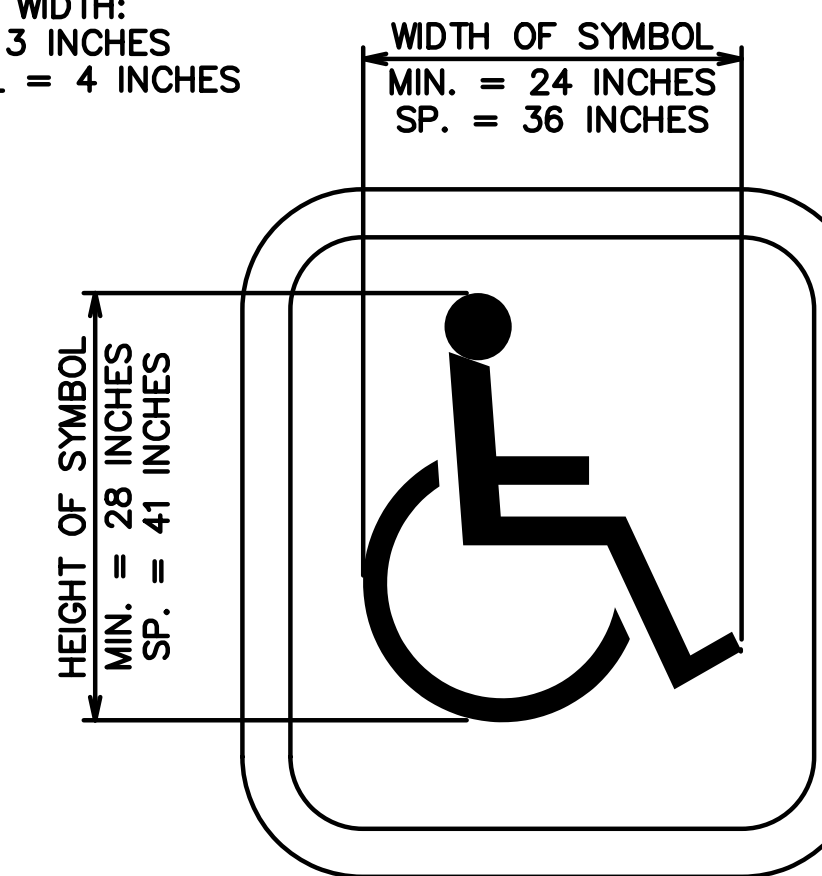


12 BUSES ONLY STRIPING  
N.T.S.



13 RESERVED PARKING SIGN  
N.T.S.

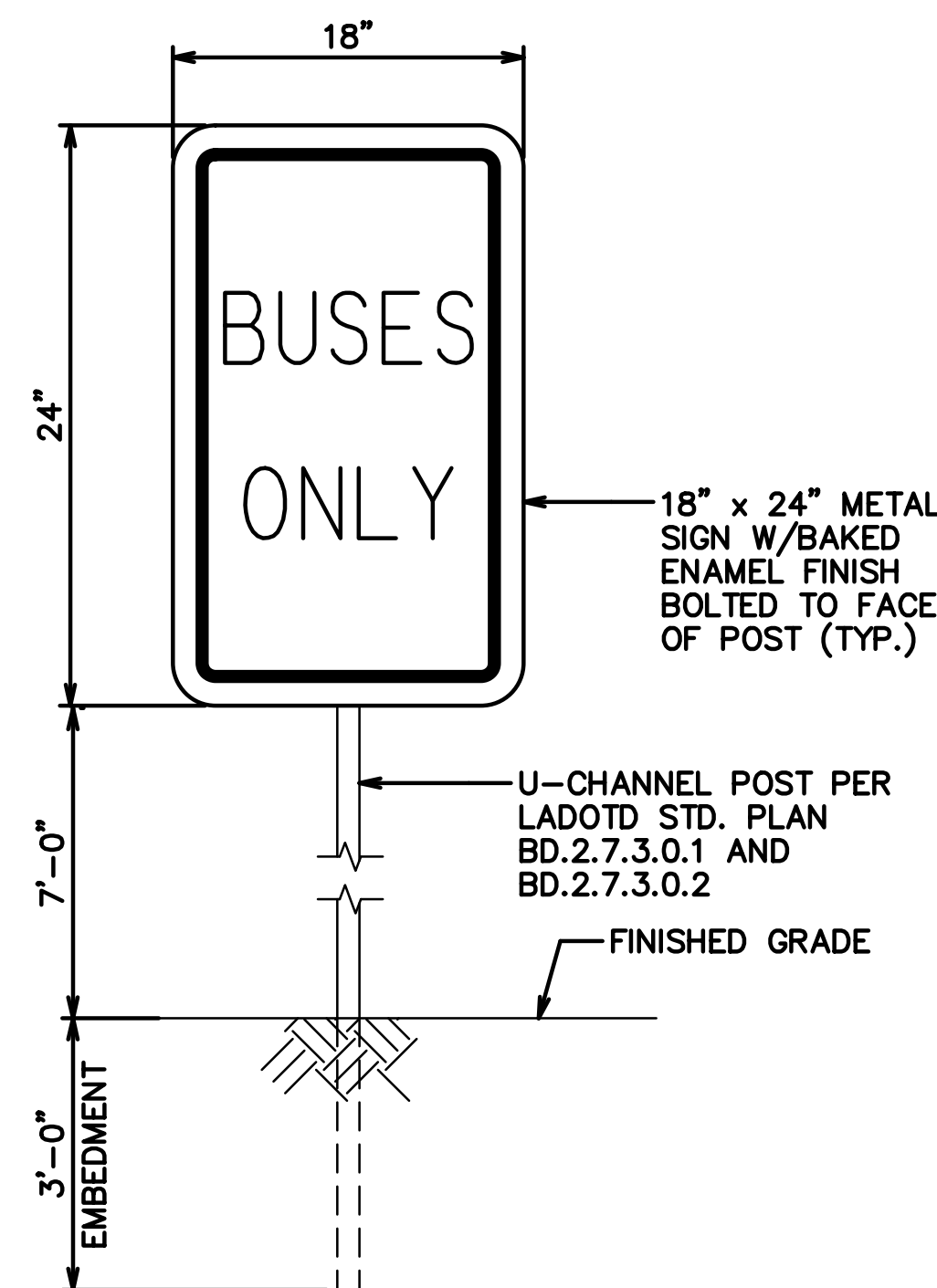
\* STROKE WIDTH:  
MIN. = 3 INCHES  
SPECIAL = 4 INCHES



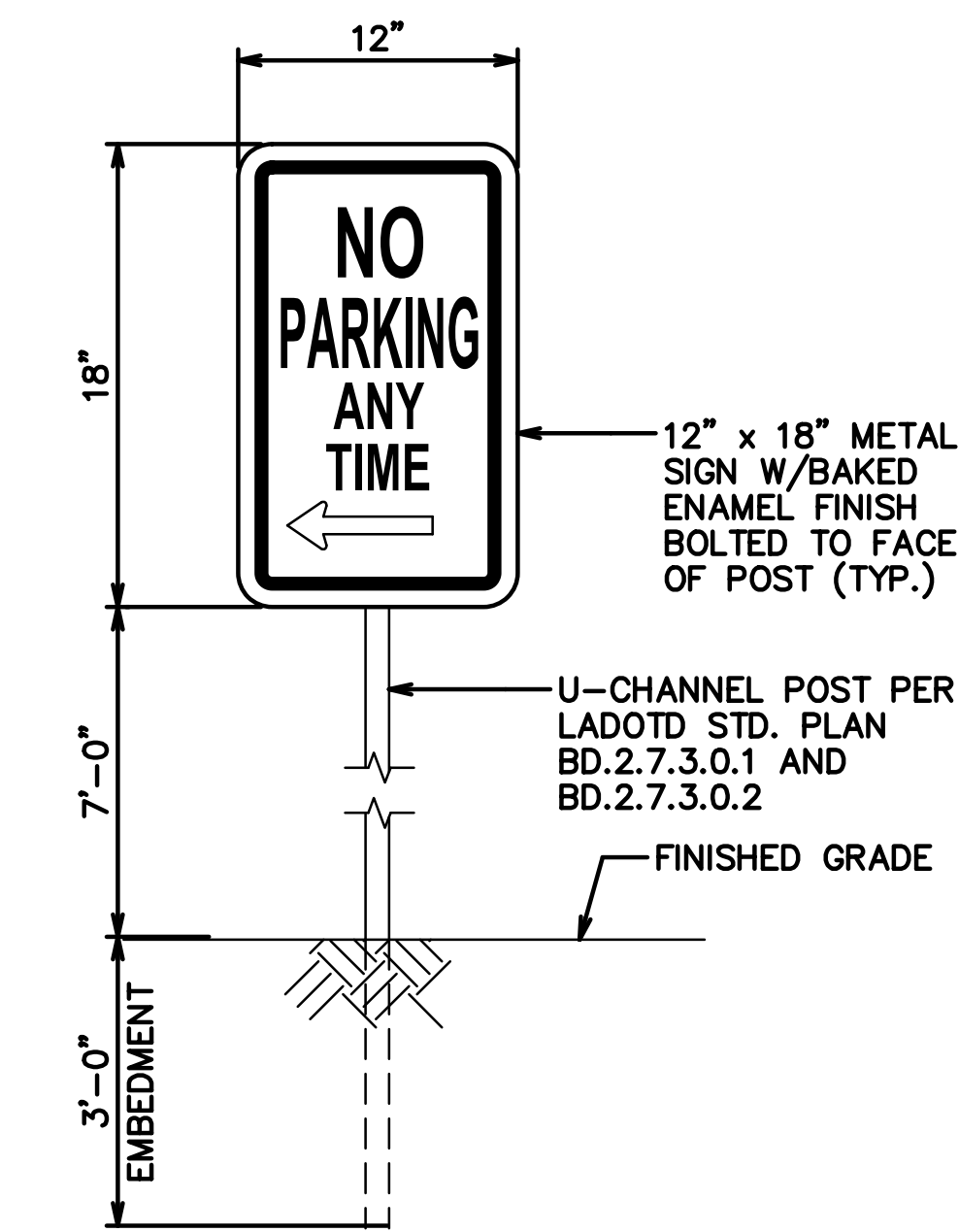
14 ACCESSIBILITY PARKING SPACE MARKING  
N.T.S.

NOTES:

- BOTH ACCESSIBLE PARKING SYMBOL & STALL STRIPING TO BE PAINTED BLUE.
- ALL STRIPING FOR ACCESSIBLE SYMBOL TO BE 6". ALL OTHER STRIPING TO BE 4" IN WIDTH.
- ACCESSIBLE PAVEMENT SYMBOL SHALL BE WHITE SYMBOL WITH ADA BLUE BACKGROUND, PER FIGURE 3B-22 OF THE MUTCD.

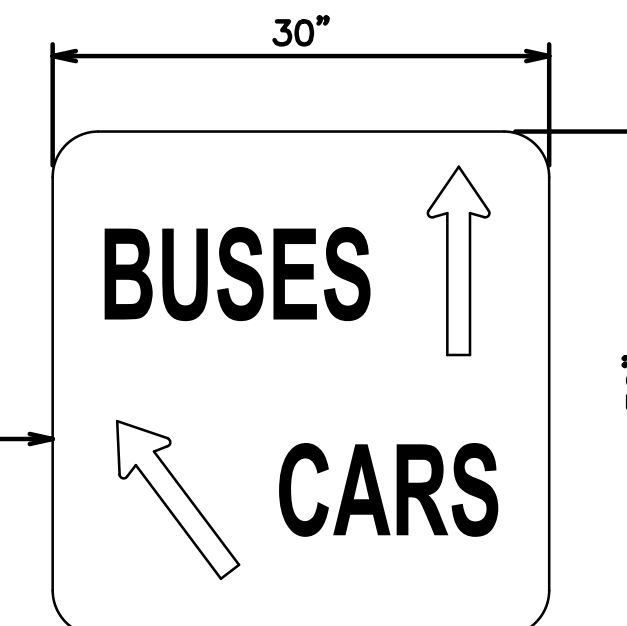


15 "BUSES ONLY" SIGN  
N.T.S.

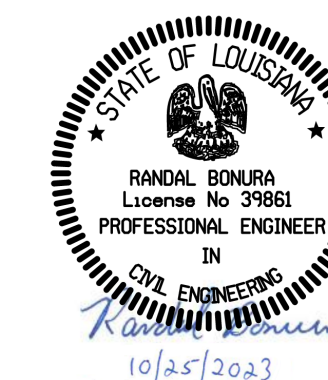


16 "NO PARKING" SIGN  
N.T.S.

30" x 30" METAL SIGN W/BAKED ENAMEL FINISH BOLTED TO FACE OF POST (TYP.)



17 "BUSES/CARS" SIGN  
N.T.S.



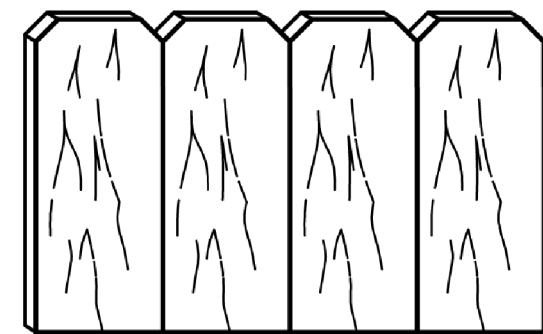
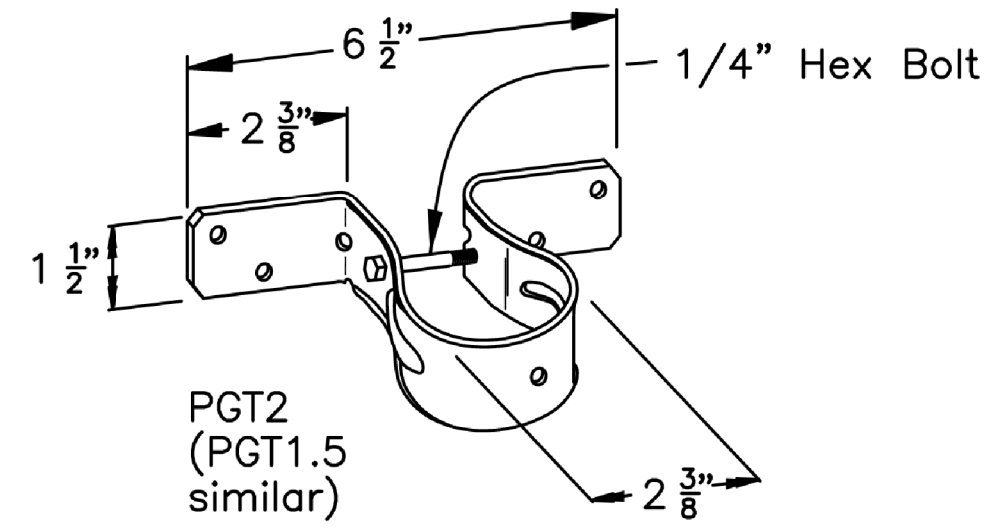
SHEET NUMBER	C010
DESIGNED	CEH
CHECKED	RJB
DATE	5/23/2023
PROJECT	16-CI-US-0032
PARISH	EAST BATON ROUGE PARISH
CITY	16-CI-US-0032
STATE	LA
PROJECT	16-CI-US-0032
DATE	5/23/2023
SHEET	2 OF 3
NO.	
DATE	
REVISION DESCRIPTION	
BY	
TYPICAL CIVIL DETAILS	
NORTH TRANSIT CENTER	
BR	
CITY OF BATON ROUGE	
HNTB	

**PGT<sup>®</sup>**  
**PIPE GRIP TIES OR APPROVED EQUAL**

THE PGT1.5 SHALL BE FOR 1 7/8" OUTSIDE DIAMETER LINE POSTS,  
 AND THE PGT2 SHALL BE FOR 2 3/8" OUTSIDE DIAMETER CORNER POSTS.

MATERIAL: 12 gauge  
 FINISH: GALVANIZED  
 INSTALLATION: USE ALL SPECIFIED FASTENERS. SEE GENERAL NOTES.

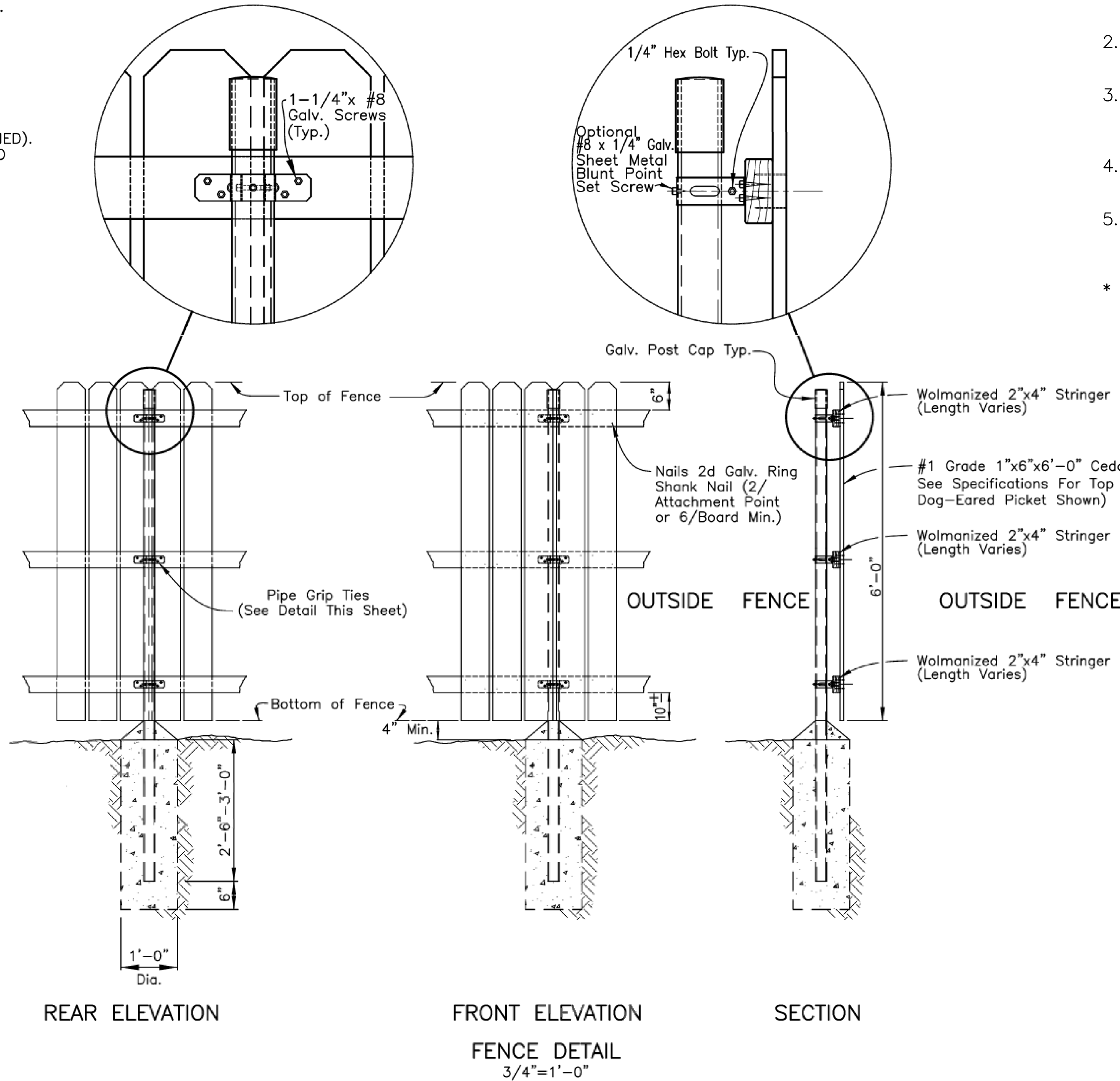
- INSTALL ON VERTICAL PIPES TO ALLOW FOR CORRECT RAIL ALIGNMENT.
- USE 3 PIPE GRIP TIES PER PIPE; LINE UP TO STRINGLINE.
- FASTEN PIPE GRIP TIES TO PIPE WITH 1/4" HEX HEAD BOLT (SUPPLIED).
- PIPE GRIP TIE ATTACHES TO HORIZONTAL RAIL WITH FOUR GALVANIZED SCREWS AS SPECIFIED.
- NAIL OR SCREW FENCE BOARDS TO RAILS USING GALVANIZED FASTENERS AS SPECIFIED.
- 5/16" GALVANIZED CARRAGE BOLTS WITH FLAT WASHERS AND NUTS MAY BE USED IN LIEU OF PIPE GRIP TIES (3 PER POST REQUIRED FOR LINE POST; 6 PER POST REQUIRED FOR CORNER POST; FLAT WASHERS ALL SIDES).



NOTCHED OR DOGEAR PICKET  
 (STD. FENCE PICKET)

TYPICAL FENCE PICKET DETAILS

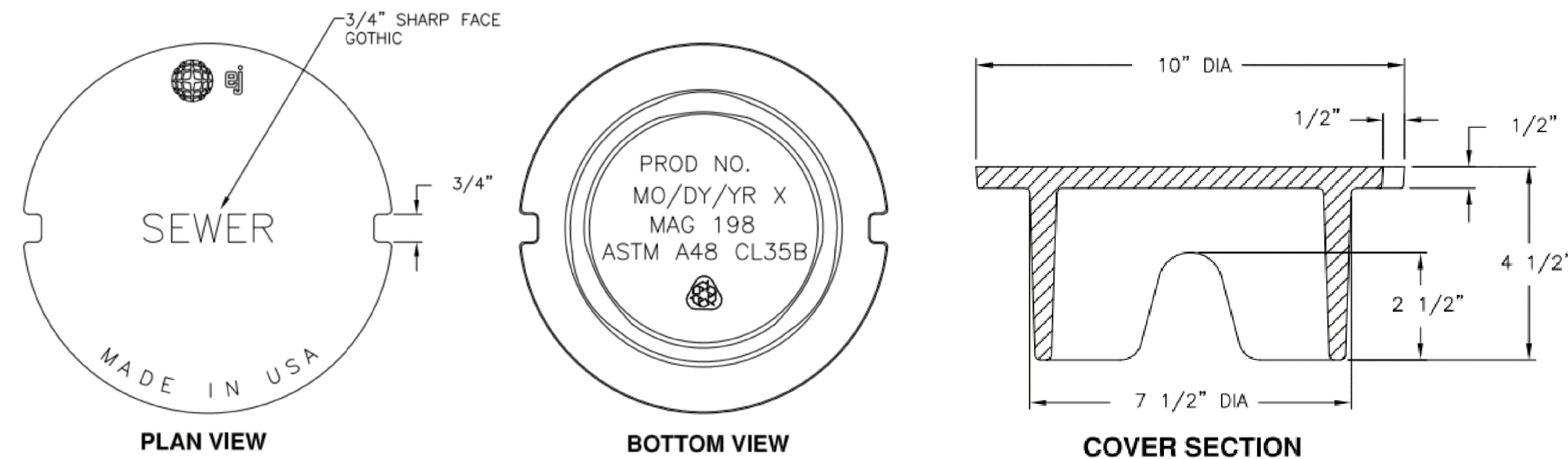
PGT\*PIPE GRIP TIES = U.S. PATENT NO. 5,297,890



REAR ELEVATION

FRONT ELEVATION  
 FENCE DETAIL  
 3/4"=1'-0"

SECTION



CLEANOUT/MONUMENT BOX COVER

- GENERAL NOTES:
1. TYPICAL INSTALLATION MAY VARY AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. LOCATION OF GATES TO BE SHOWN ON PLANS.
  2. FACE BOARDS TOWARDS NORTH TRANSFER CENTER, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
  3. SCREW PIPE GRIP TIES TO TREATED 2"x4" HORIZONTAL RAILS WITH GALVANIZED FASTENERS (1-1/4" x #8 GALVANIZED ROUND SLOTTED HEAD WOOD SCREWS). (4/BOARD MINIMUM PER GRIP TIE)
  4. USE 2" GALVANIZED RING SHANK NAILS TO SECURE FENCE BOARD TO HORIZONTAL RAILS (6 PER BOARD).
  5. LINE AND GATE POSTS SHALL BE GALVANIZED ROUND PIPE PER THE FOLLOWING SCHEDULE UNLESS NOTED OTHERWISE.  
 1 7/8" O.D. = 2.71 LBS./L.F.; 1.900" O.D. ALT.\*  
 2 3/8" O.D. = 3.65 LBS./L.F.; 2.375" O.D. ALT.\*
- \* ALTERNATE COATING REQUIREMENTS FOR ROUND SECTIONS- SECTIONS MAY BE EXTERNALLY COATED WITH NO LESS THAN 0.8 OZ./FT. OF HIGH GRADE OR SPECIAL HIGH GRADE PLUS ZINC CONFORMING TO A.S.T.M. B6, FOLLOWED BY A CHROMATE CONVERSION COATING OF 30+10 MICRO-GRAMS/IN<sup>2</sup> AND AN ELECTROSTATICALLY APPLIED THERMOPLASTIC ACRYLIC COATING HAVING A MINIMUM DRY FILM THICKNESS OF 0.3 MIL. THE INTERNAL SURFACE SHALL BE COATED WITH A ZINC RICH COATING OF NO LESS THAN 81% ZINC POWDER BY WEIGHT, 0.3 MIL. OR GREATER IN THICKNESS.



SHEET NUMBER	C011
PARRISH	EAST BATON ROUGE PARISH
CITY PROJECT	16-CI-US-0032
STATE PROJECT	
DESIGNED	CEH
CHECKED	RJB
DATE	5/23/2023
NO.	3 OF 3
REVISION DESCRIPTION	
BY	
DATE	
TYPICAL CIVIL DETAILS	
NORTH TRANSFER CENTER	
BR	
CITY OF BATON ROUGE	
HNTB	

CLEANOUT BOX COVER SHALL CONFORM TO EAST JORDAN IRON WORKS, INC, 1576A CLEANOUT BOX AND COVER OR APPROVED EQUAL.

ASTM A48 CERTIFIED  
 MATERIALS: GRAY IRON (CL35B)  
 DESIGN LOAD: HEAVY DUTY  
 COATING: UNDIPPED