

Community Development Agency of Lexington, NE

NEW COMMERCIAL BUILDING

205 West Pacific Avenue
 Lexington, Nebraska 68850

November 4, 2022



WILKINS

ARCHITECTURE | DESIGN | PLANNING



I, Jacob M. Sertich,
 Registered Architect, am the
 Coordinating Professional
 on this project.

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 New Commercial Building
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Revision/Issue	Date

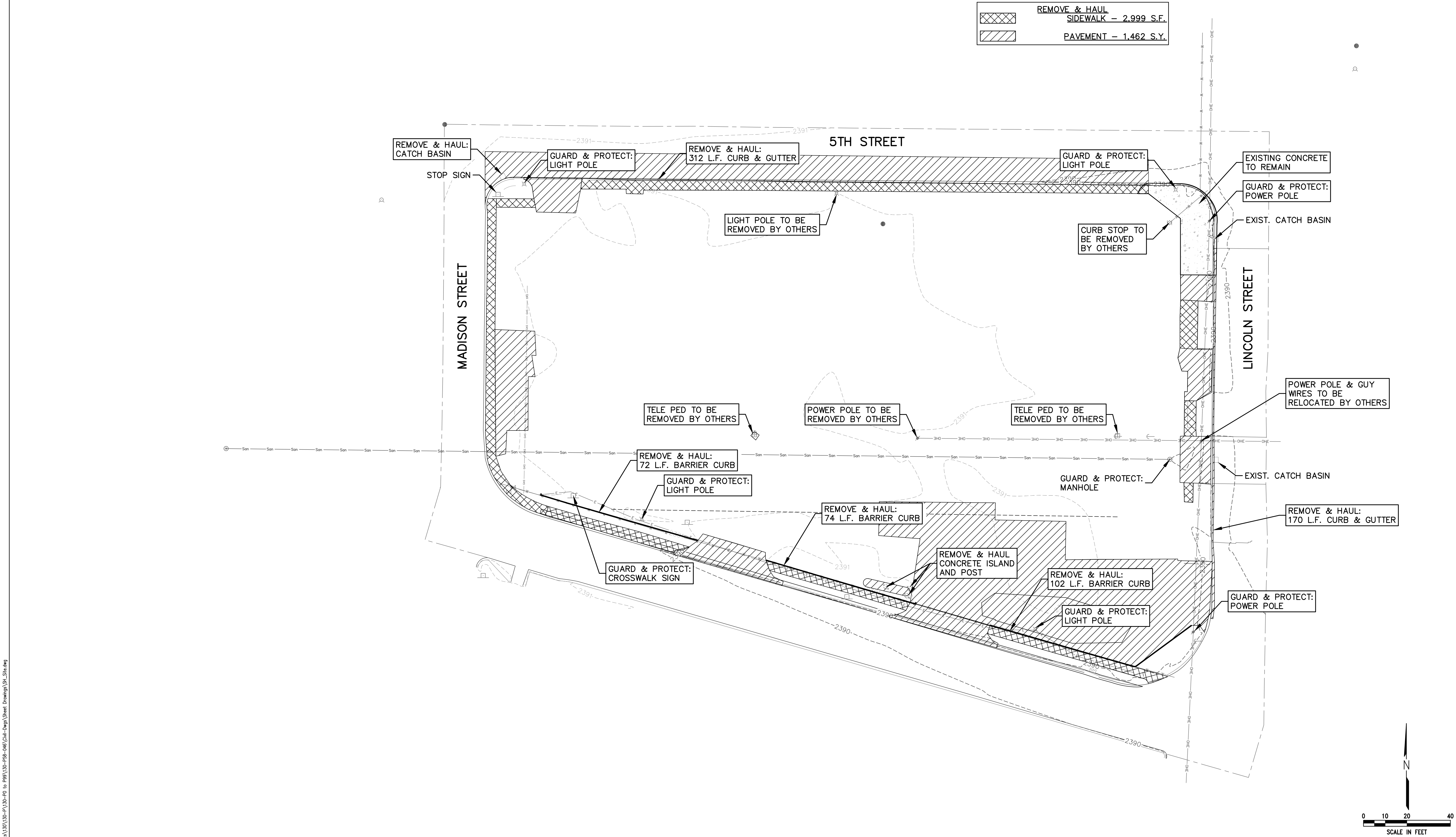
REMOVALS PLAN

Project Number: **2235**
 Date: **NOVEMBER 4, 2022**

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Sheet Number:

C1.0



PROJECT: 11/4/2022 4:20 PM SWAB: 11/4/2022 3:58 PM

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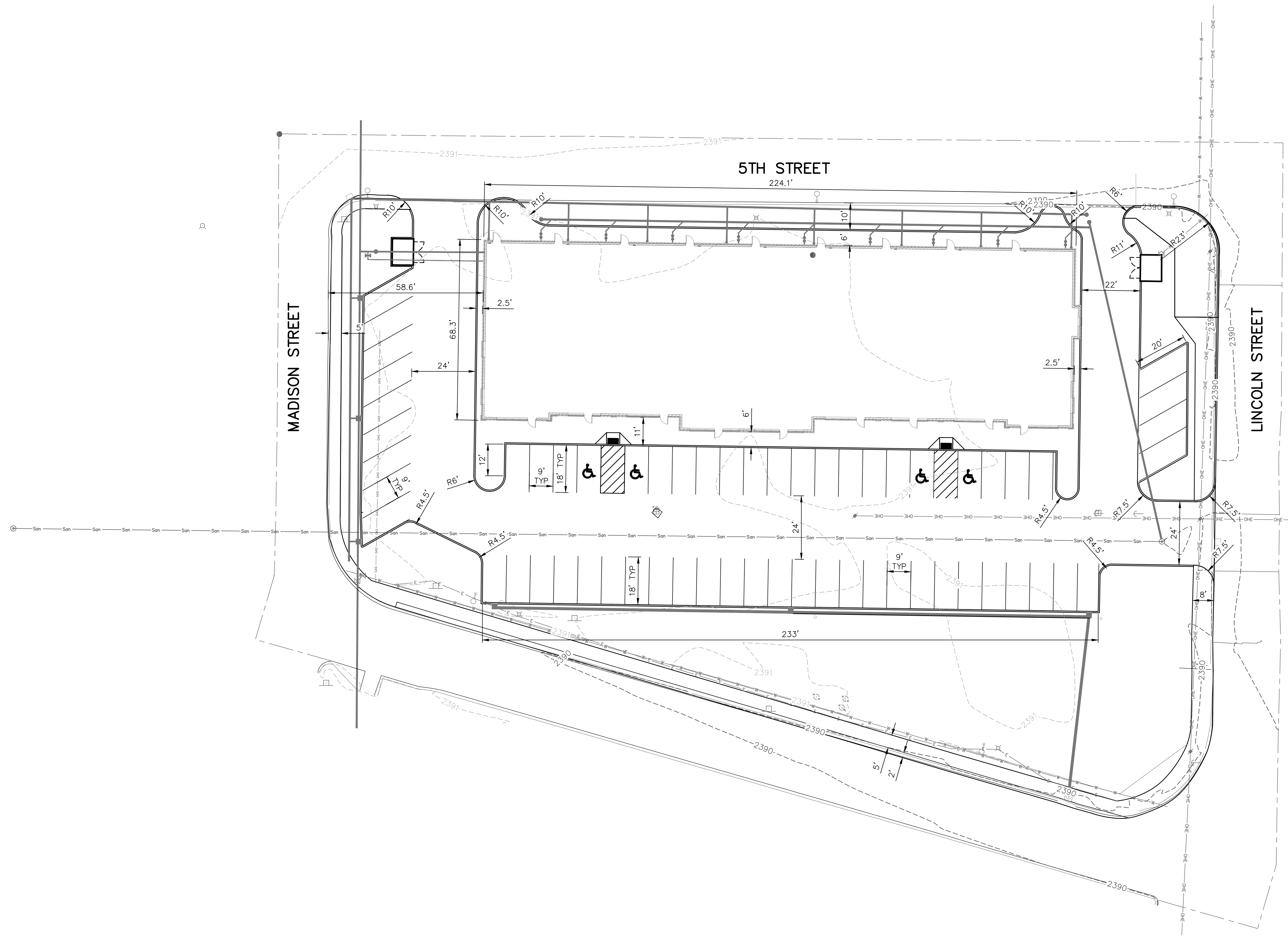
Revision/Issue	Date

GEOMETRICS PLAN

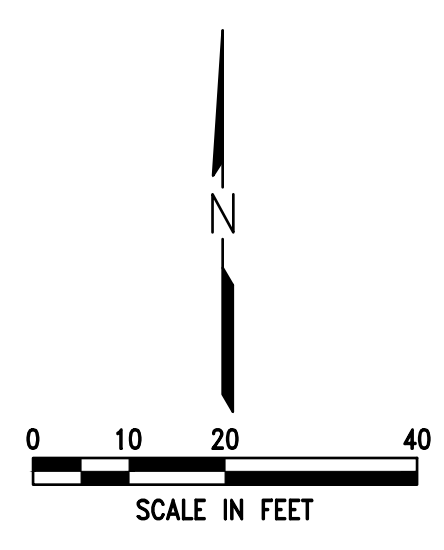
Project Number: 2235
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Sheet Number:
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56 PARKING STALLS
3 ADA STALLS
1 VAN ADA STALL
60 TOTAL STALLS





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PROPOSED PAVING PLAN

Project Number: 2235
Date: NOVEMBER 4, 2022

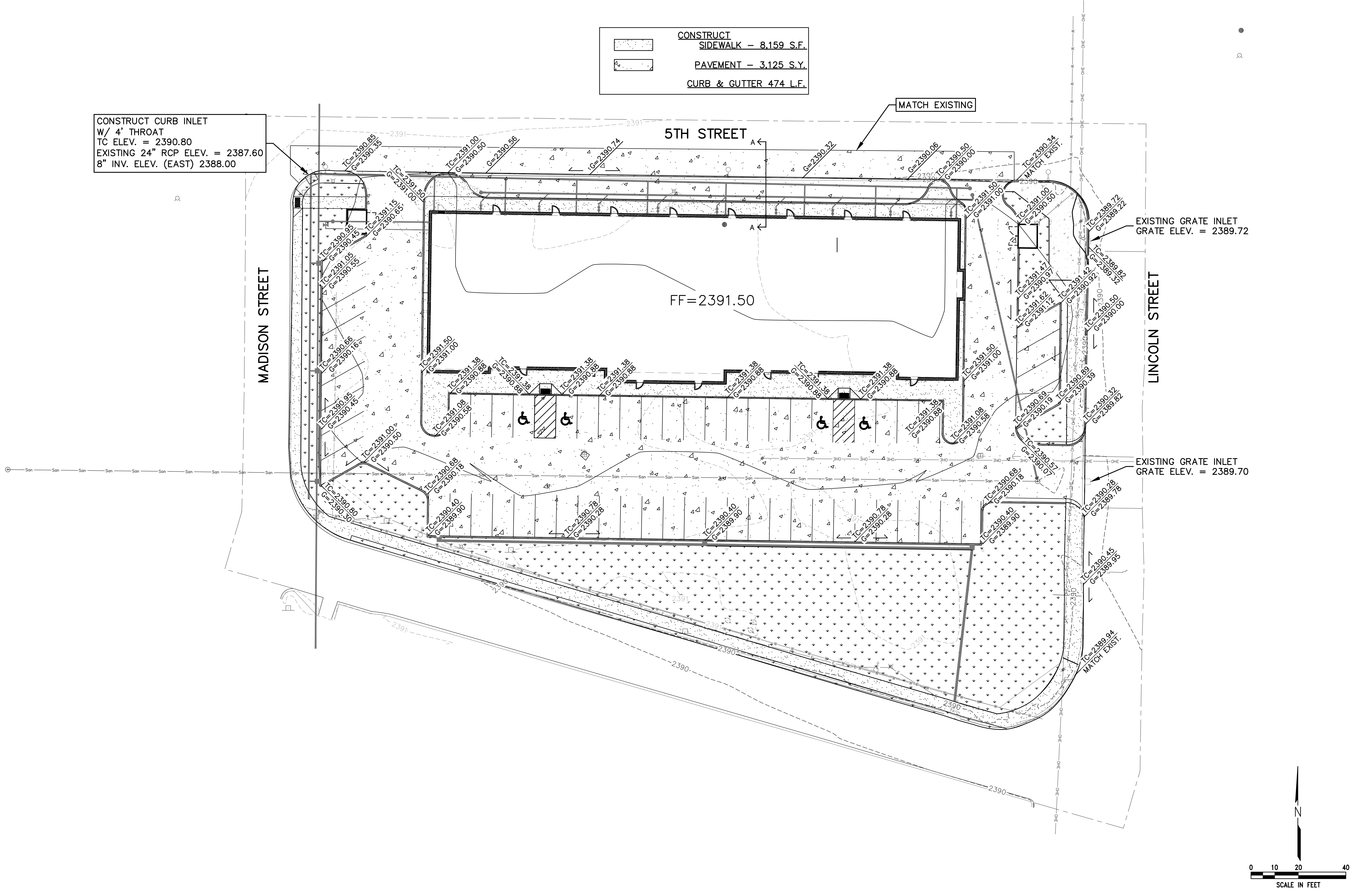
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C1.2

EARTHWORK		
EXCAVATION	903	C.Y.
EMBANKMENT	37	C.Y.
BORROW	0	C.Y.
WASTE	866	C.Y.

*THE ABOVE QUANTITIES COMPUTED WITHOUT ANY COMPACTION FACTOR. CONTRACTOR IS RESPONSIBLE FOR FURNISHING BORROW MATERIAL.
*INCLUDES BUILDING PAD. THIS QUANTITY ASSUMES TOP OF DIRT IS 8" BELOW F.F. (4" CONCRETE WITH 4" GRANULAR BEDDING).



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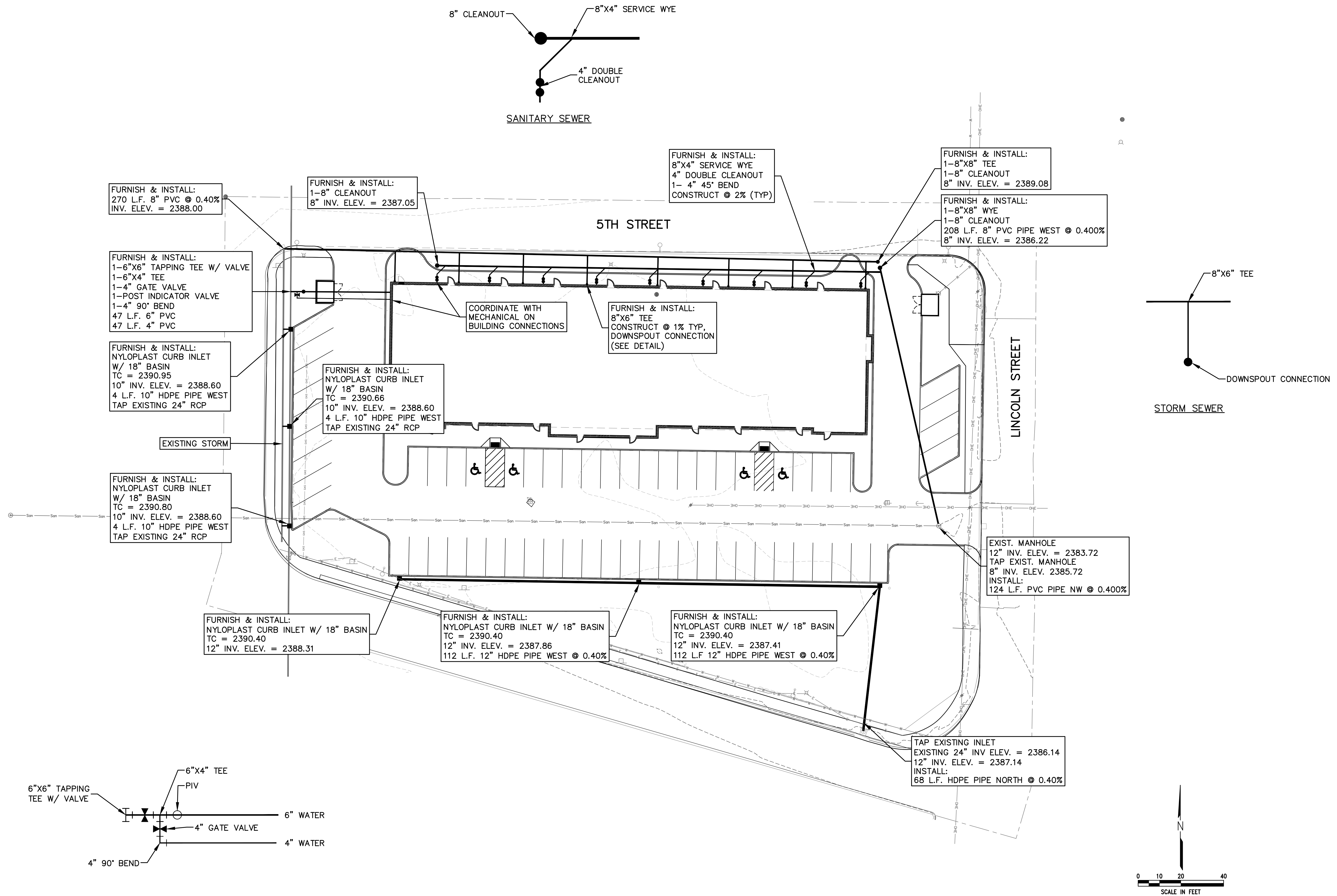
PROPOSED UTILITY PLAN

Project Number: 2235
Date: NOVEMBER 4, 2022

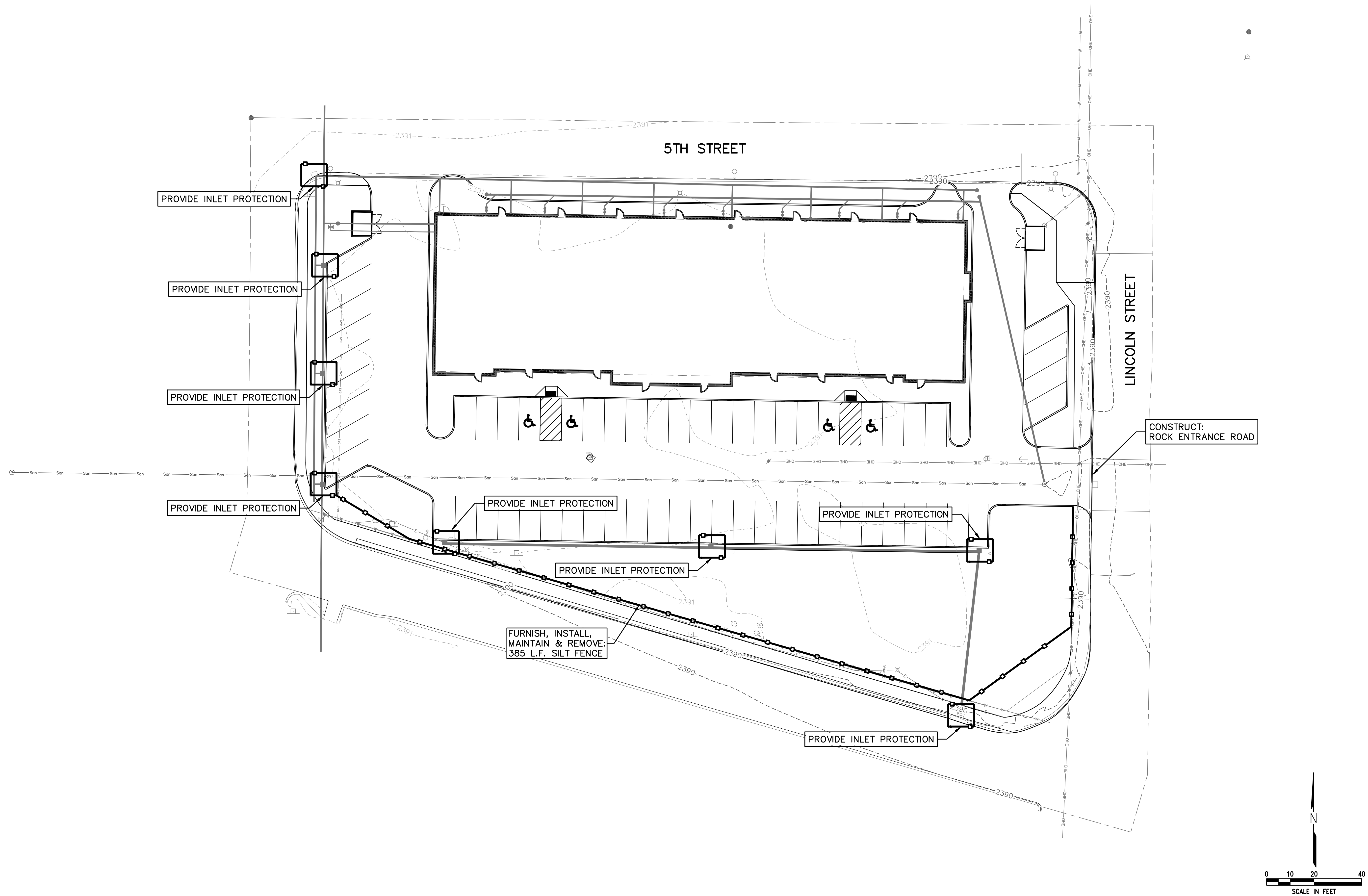
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C1.3



- NOTES:**
1. DURING CONSTRUCTION, PROVIDE INLET PROTECTION AROUND EXISTING AND PROPOSED STORM SEWER INLETS TO PREVENT SEDIMENT FROM ENTERING STORM SEWER SYSTEM.
 2. CONSTRUCT CONCRETE WASHOUT BASIN ONSITE WITHIN LIMITS OF CONSTRUCTION STAGING AREAS. CLEAN-UP WASHOUT BASIN PERIODICALLY AND AT THE END OF CONSTRUCTION.



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EROSION CONTROL PLAN

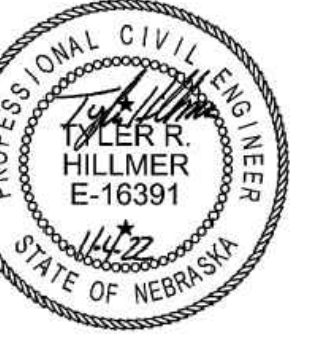
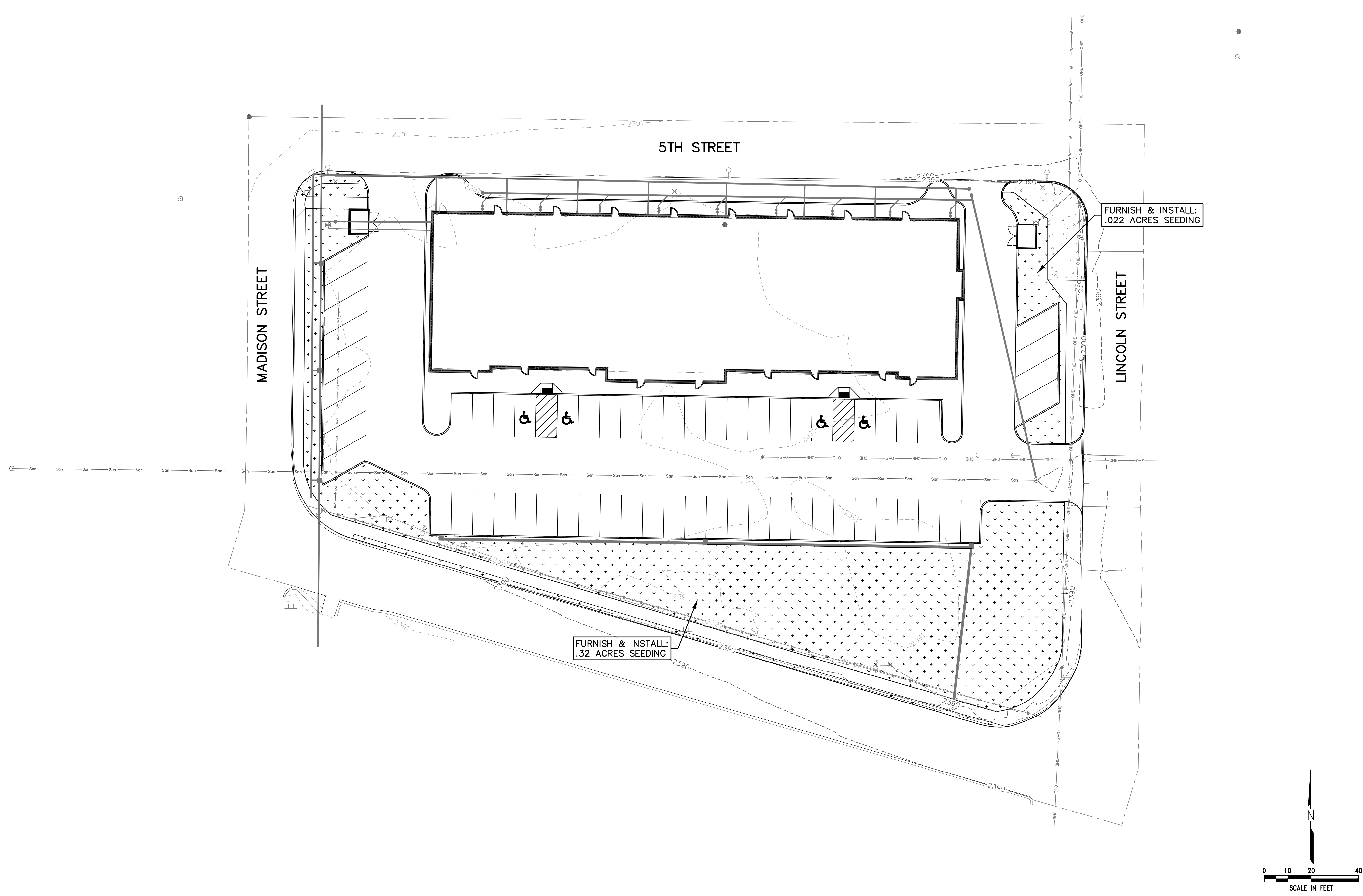
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C:\Projects\2021\20-41\20-41\100-P1 to P99\100-100-006-C14-Design\Sheet Drawings\100_Site.dwg



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PROPOSED LANDSCAPING PLAN

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Revision/Issue table with columns for Date, Project Number (2235), Date (NOVEMBER 4, 2022), and Sheet Number (C2.1)

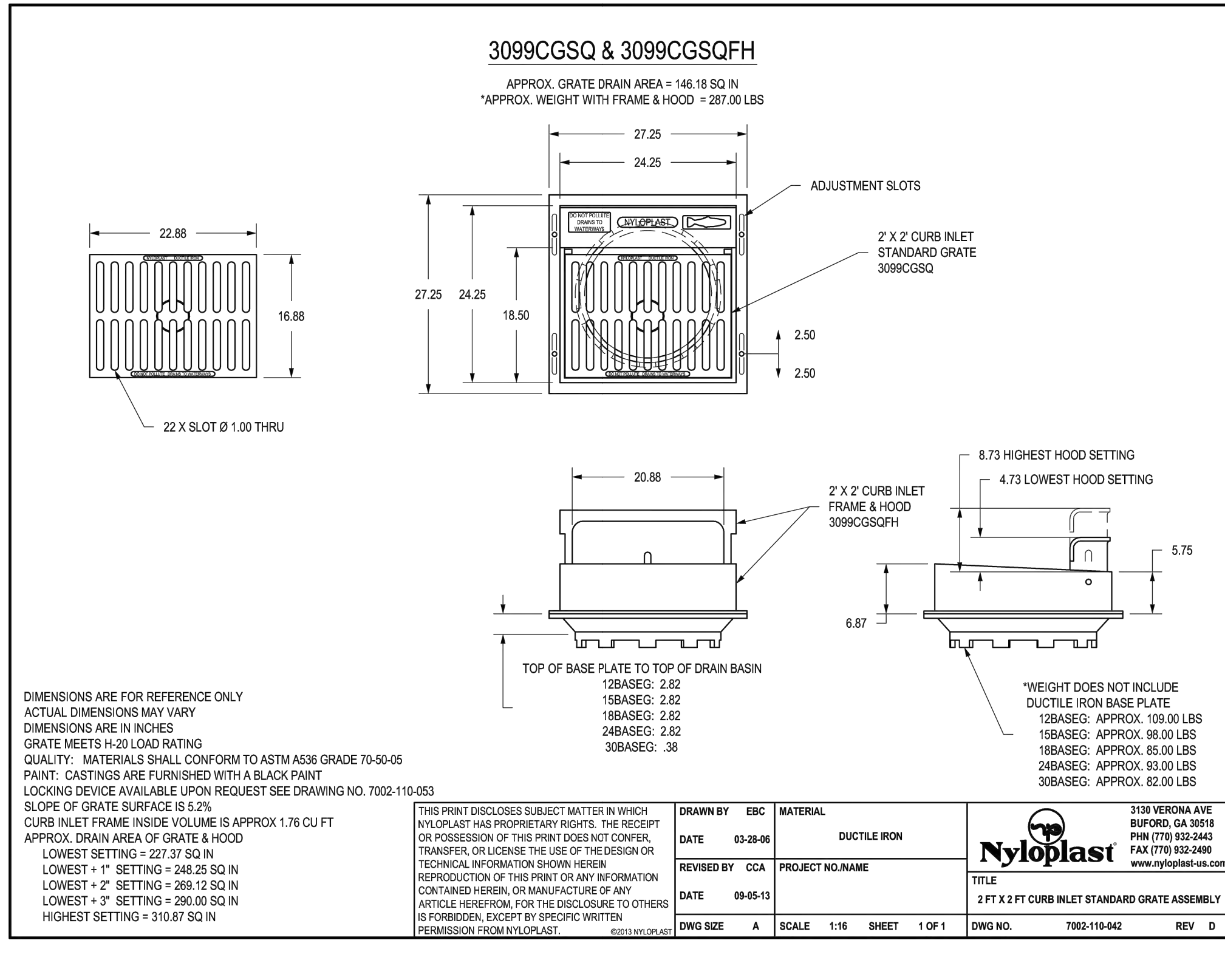
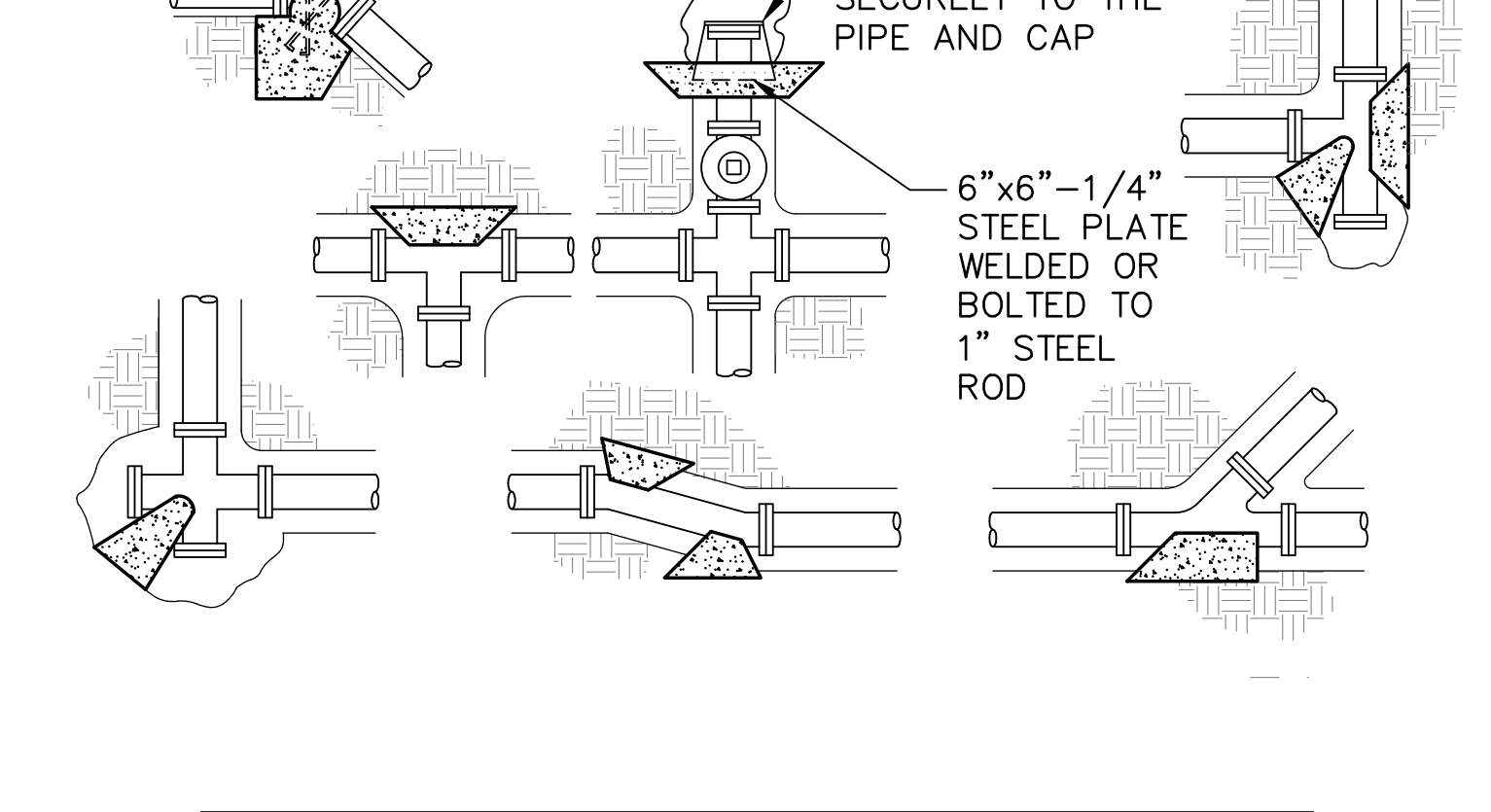
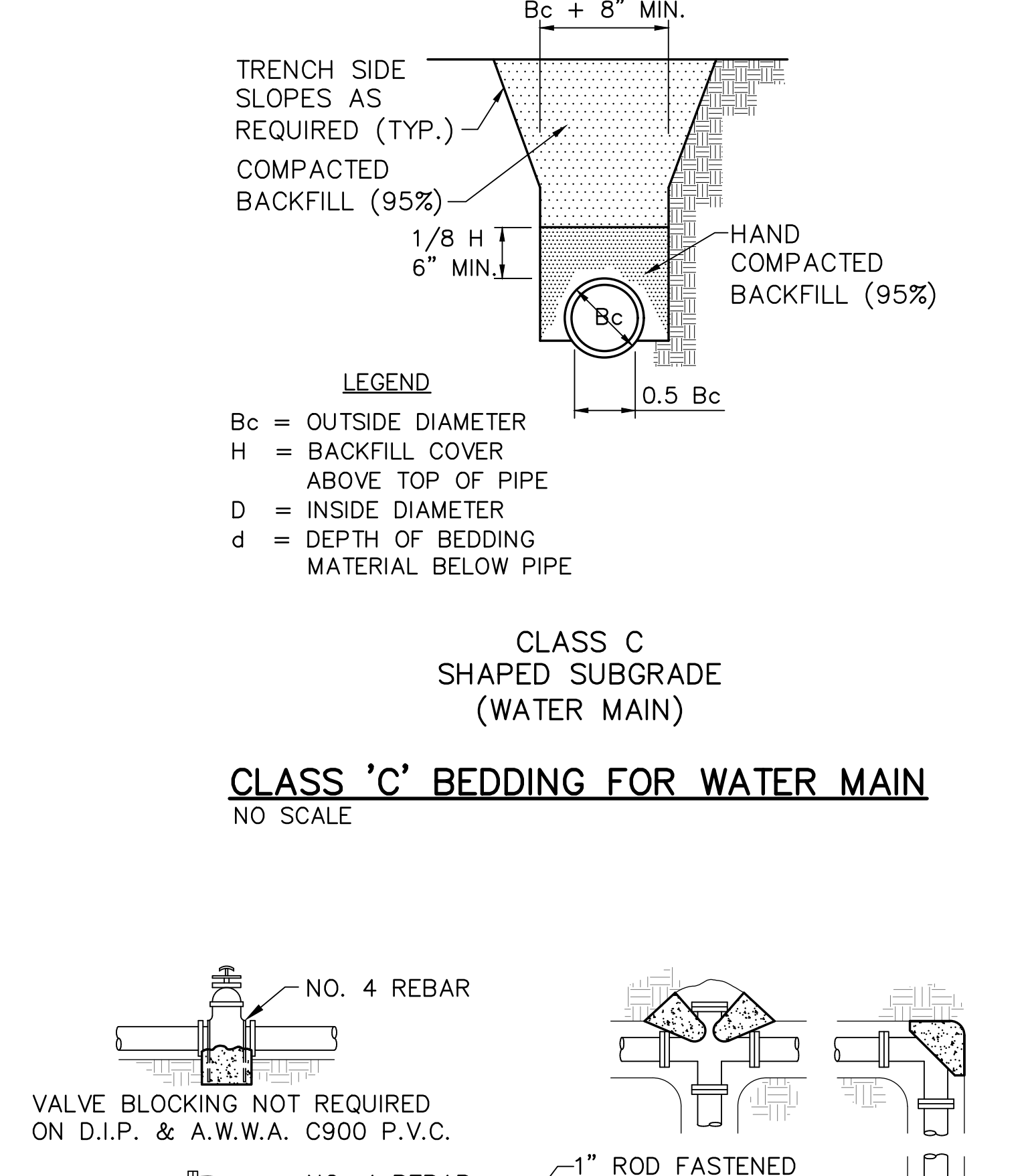
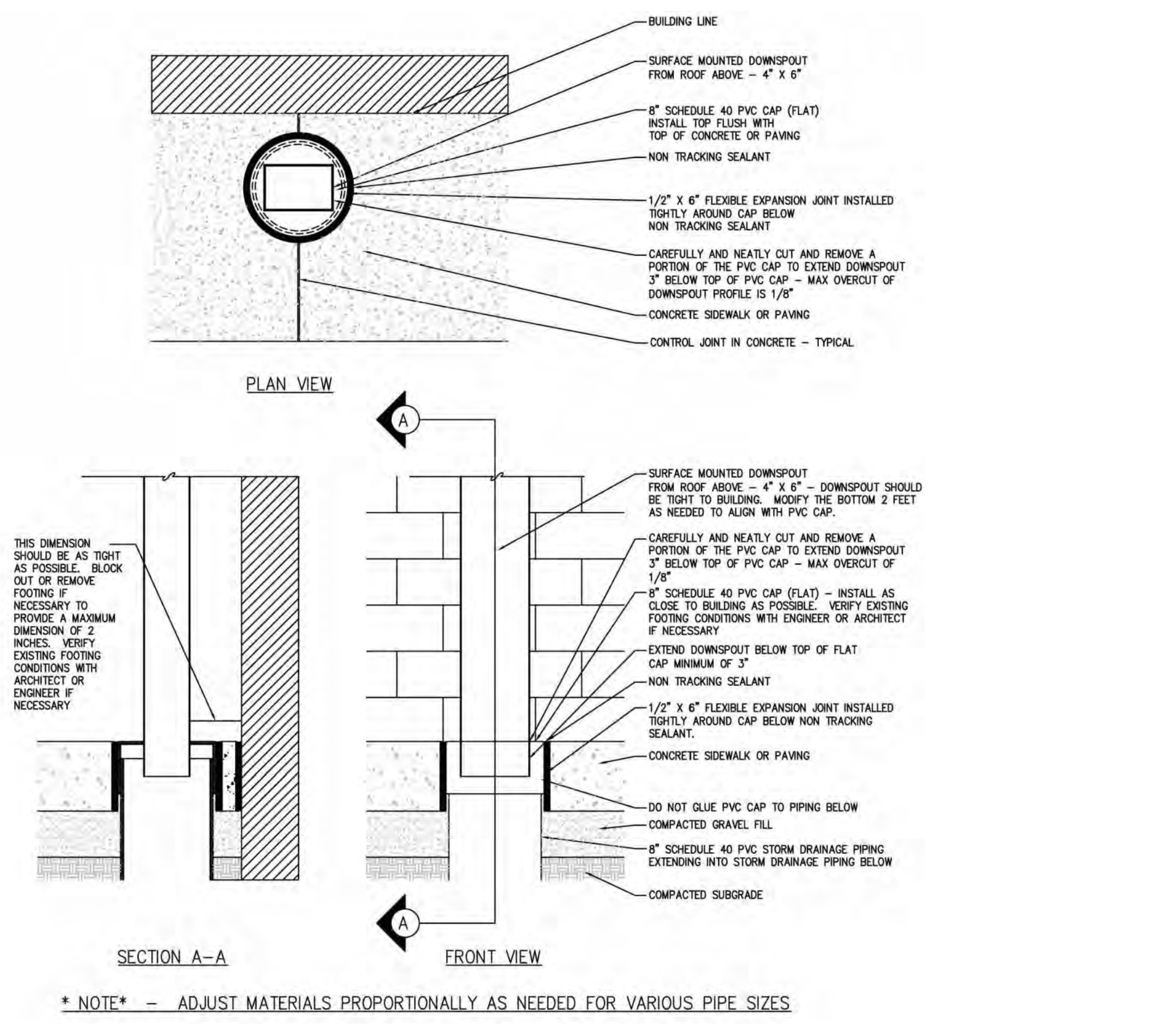
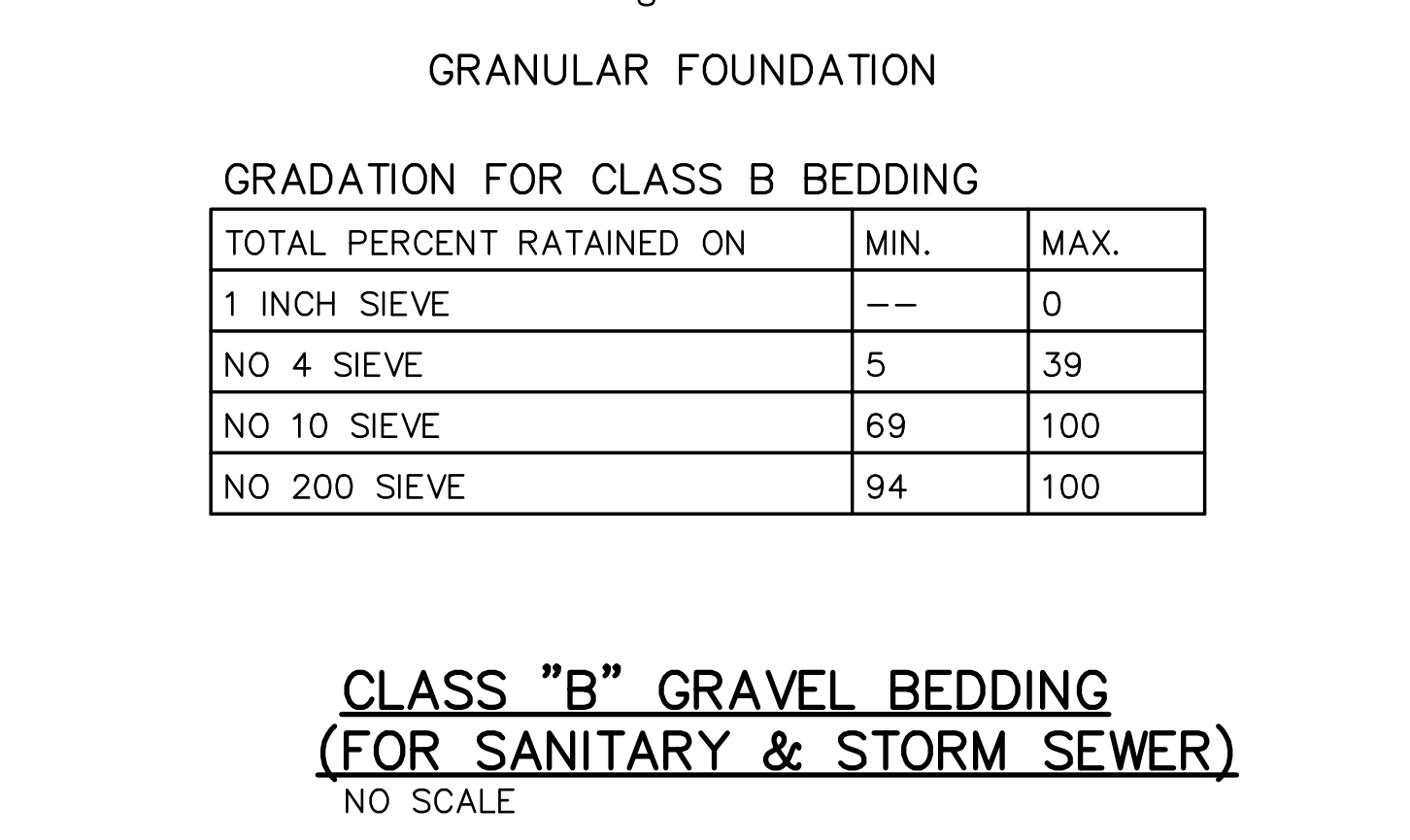
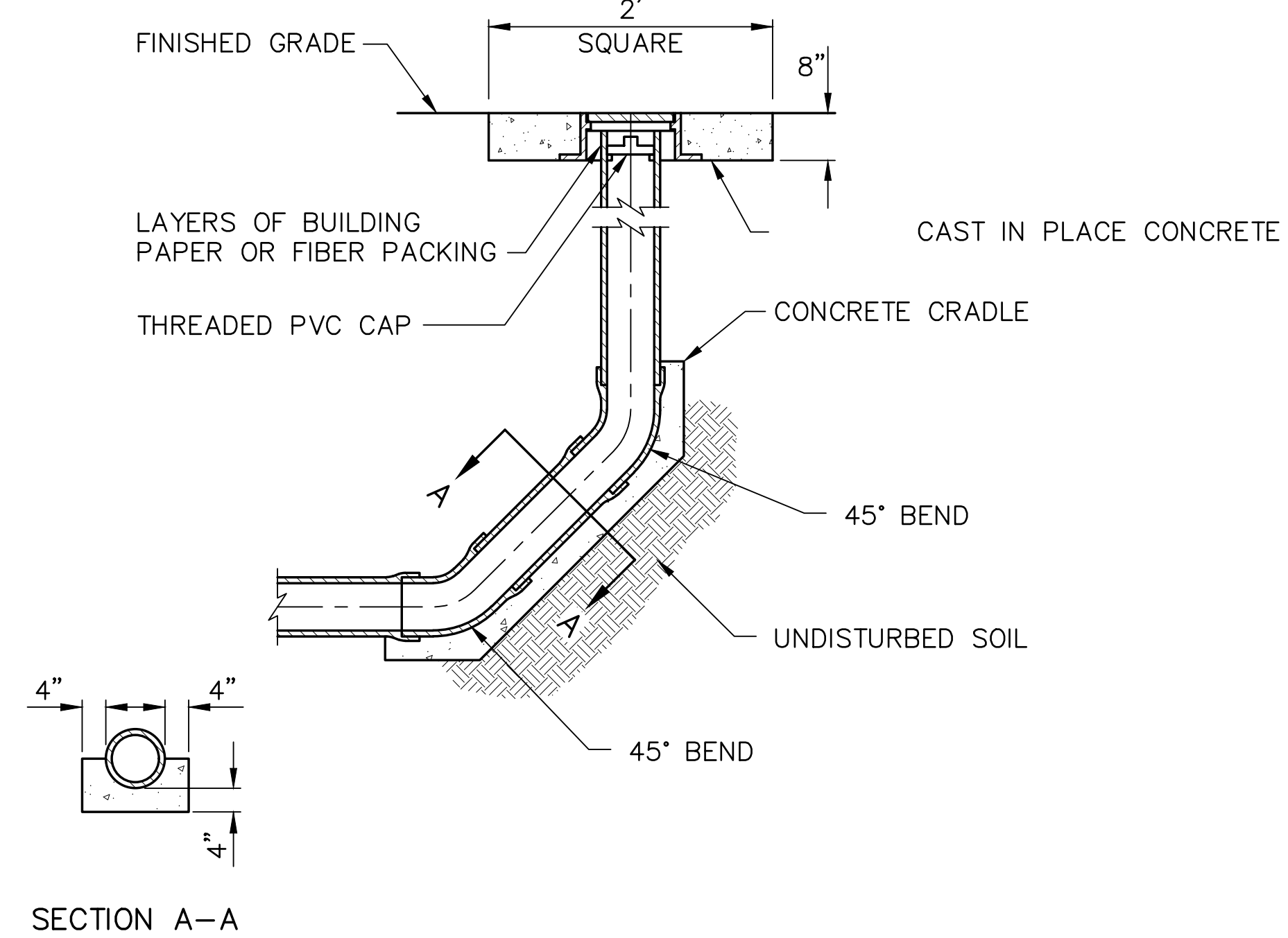
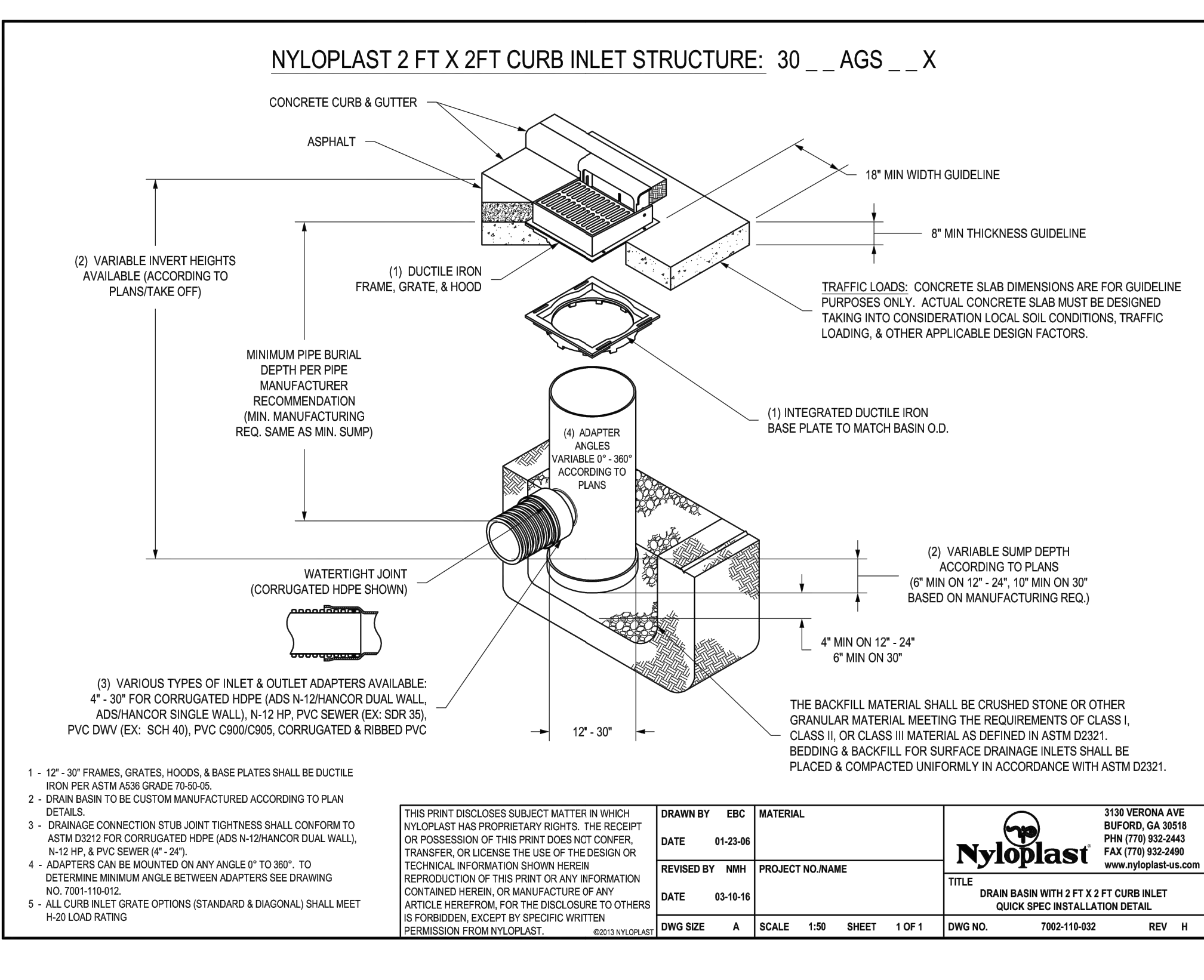
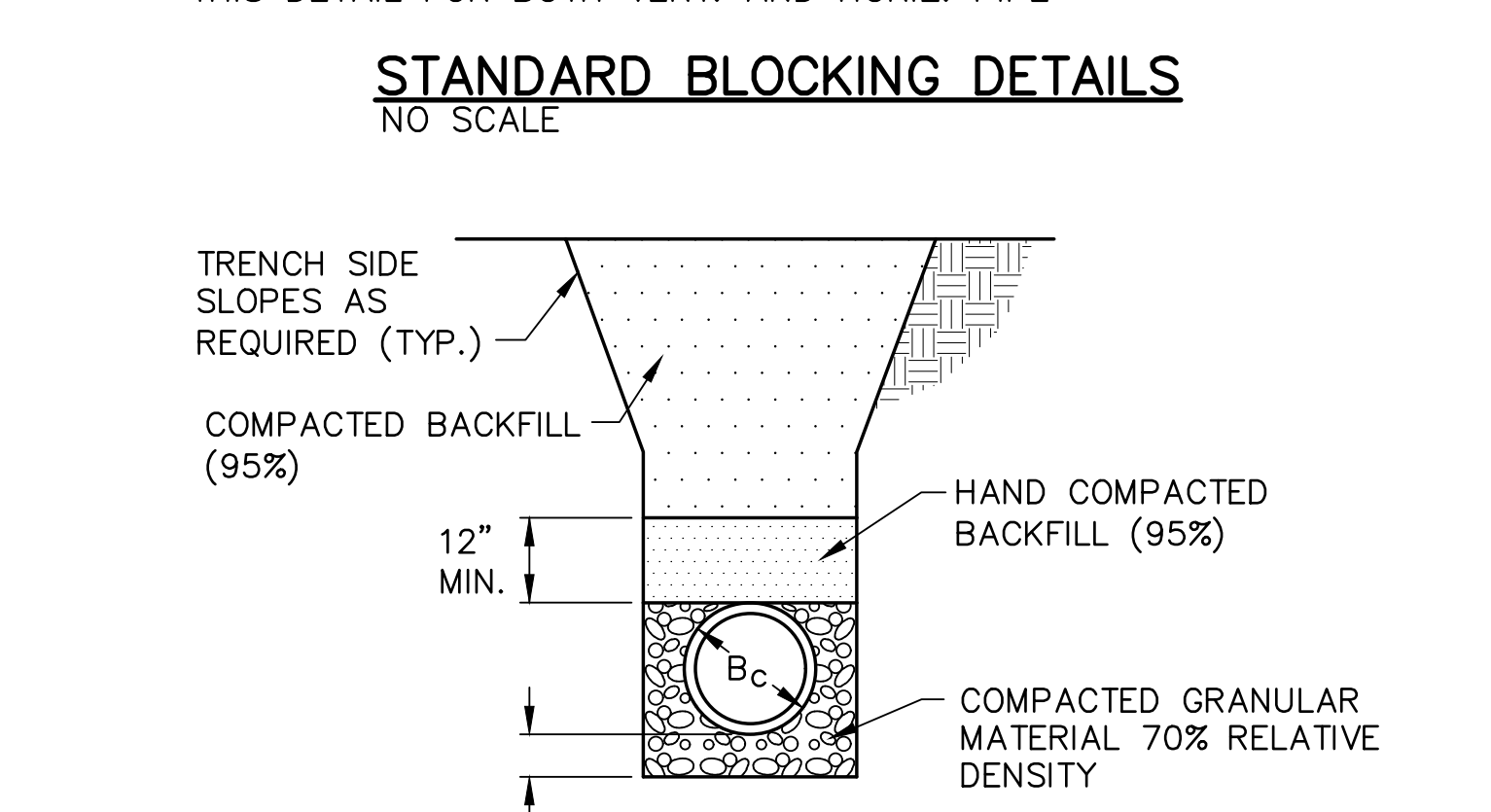
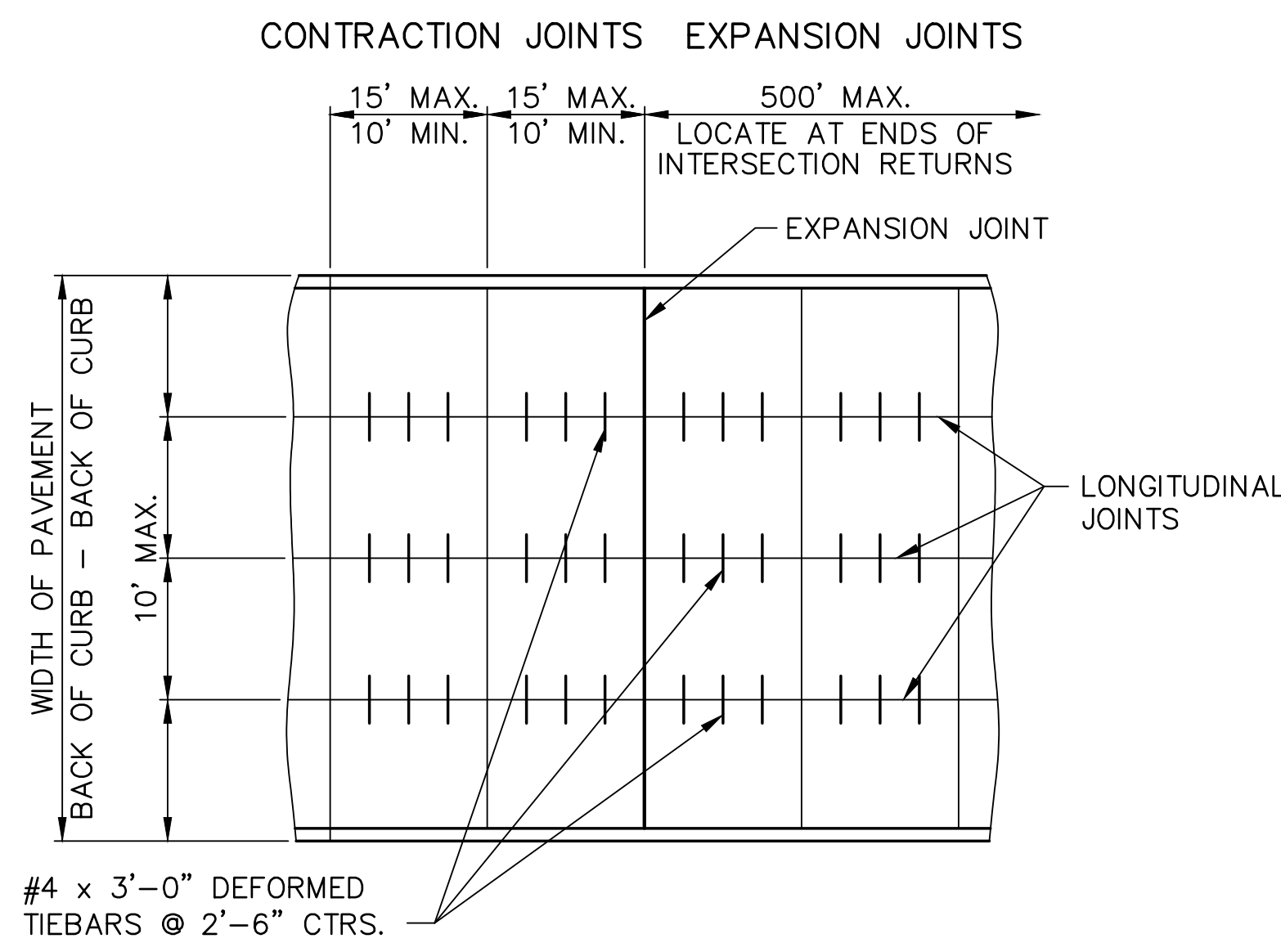


Table showing BEARING AREA OF BLOCK IN SQ. FT. for various fitting sizes (3" to 36") and configurations.

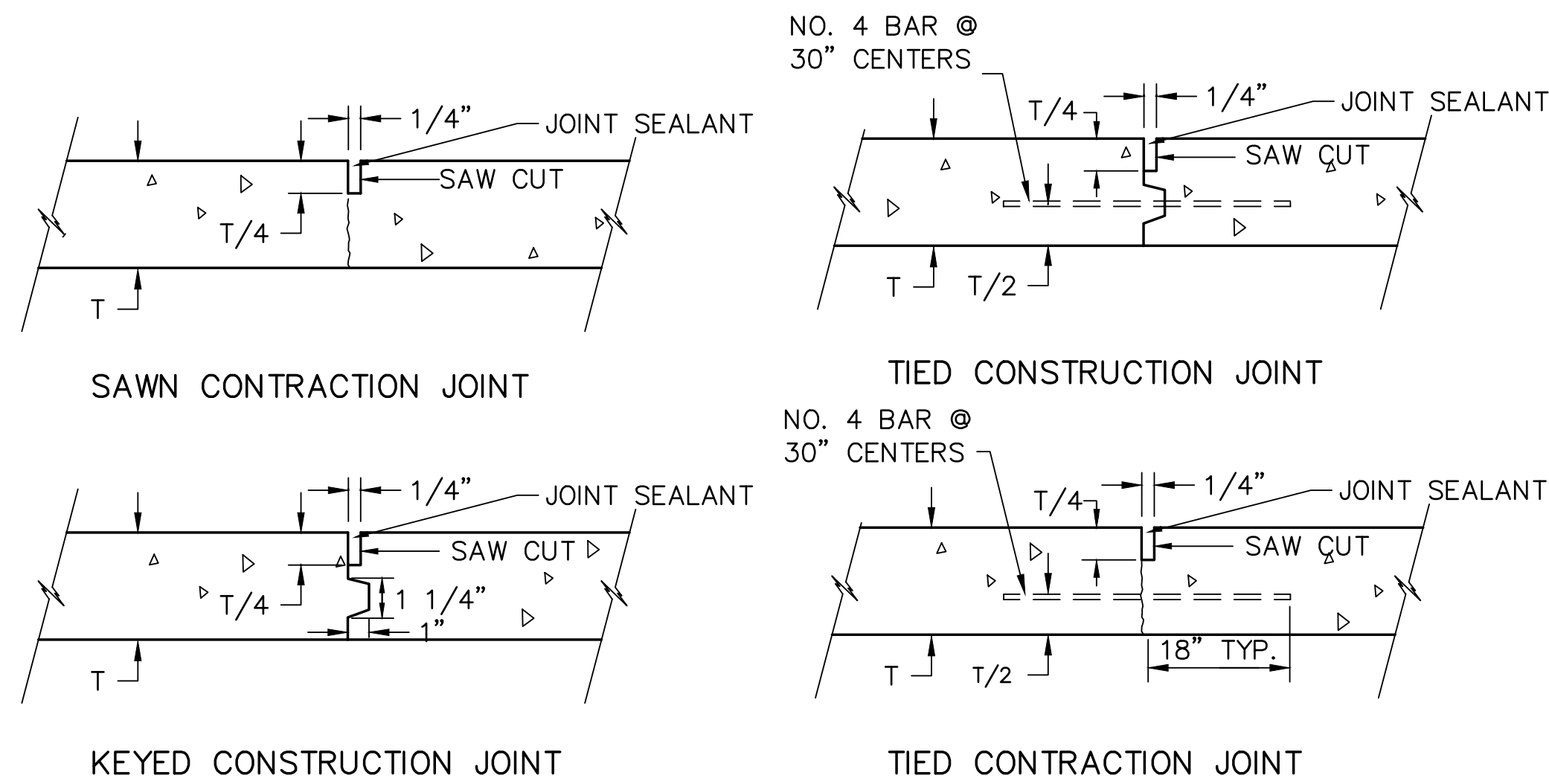
NOTES: CARE SHALL BE EXERCISED TO ASSURE JOINT, INCLUDING BOLTS, WILL BE ACCESSIBLE. UNLESS OTHERWISE SPECIFIED CONC. MIX COMPRESSIVE STRENGTH SHALL BE 3,000 PSI AT 28 DAYS.



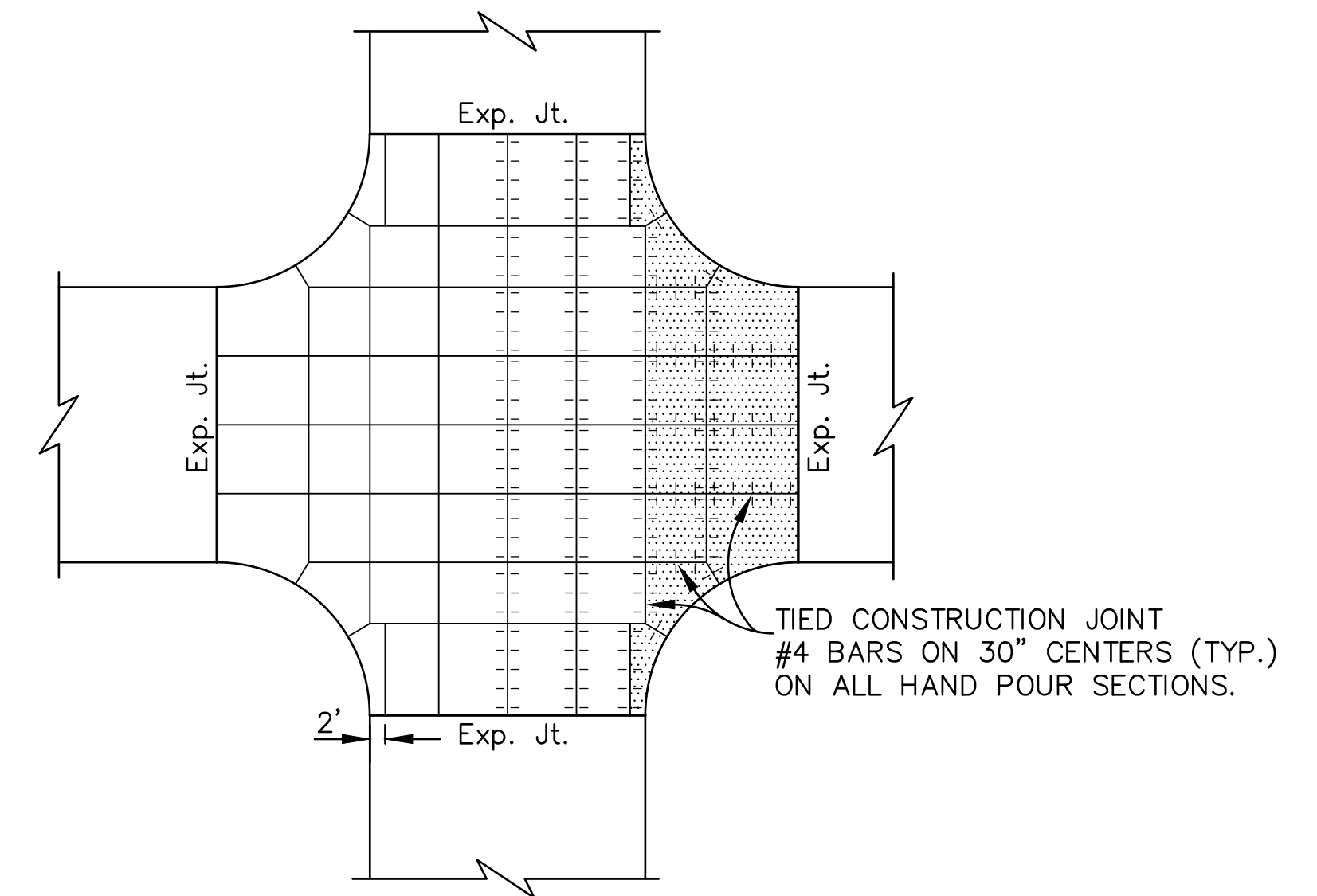
NYLOPLAST information table including product details, contact info, and revision history.



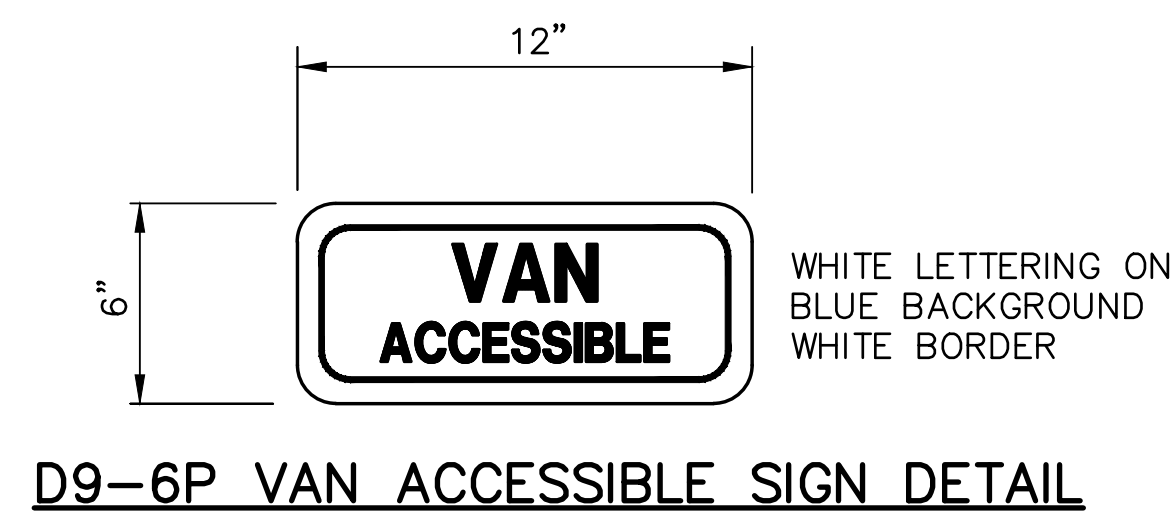
REINFORCING DETAIL
NO SCALE



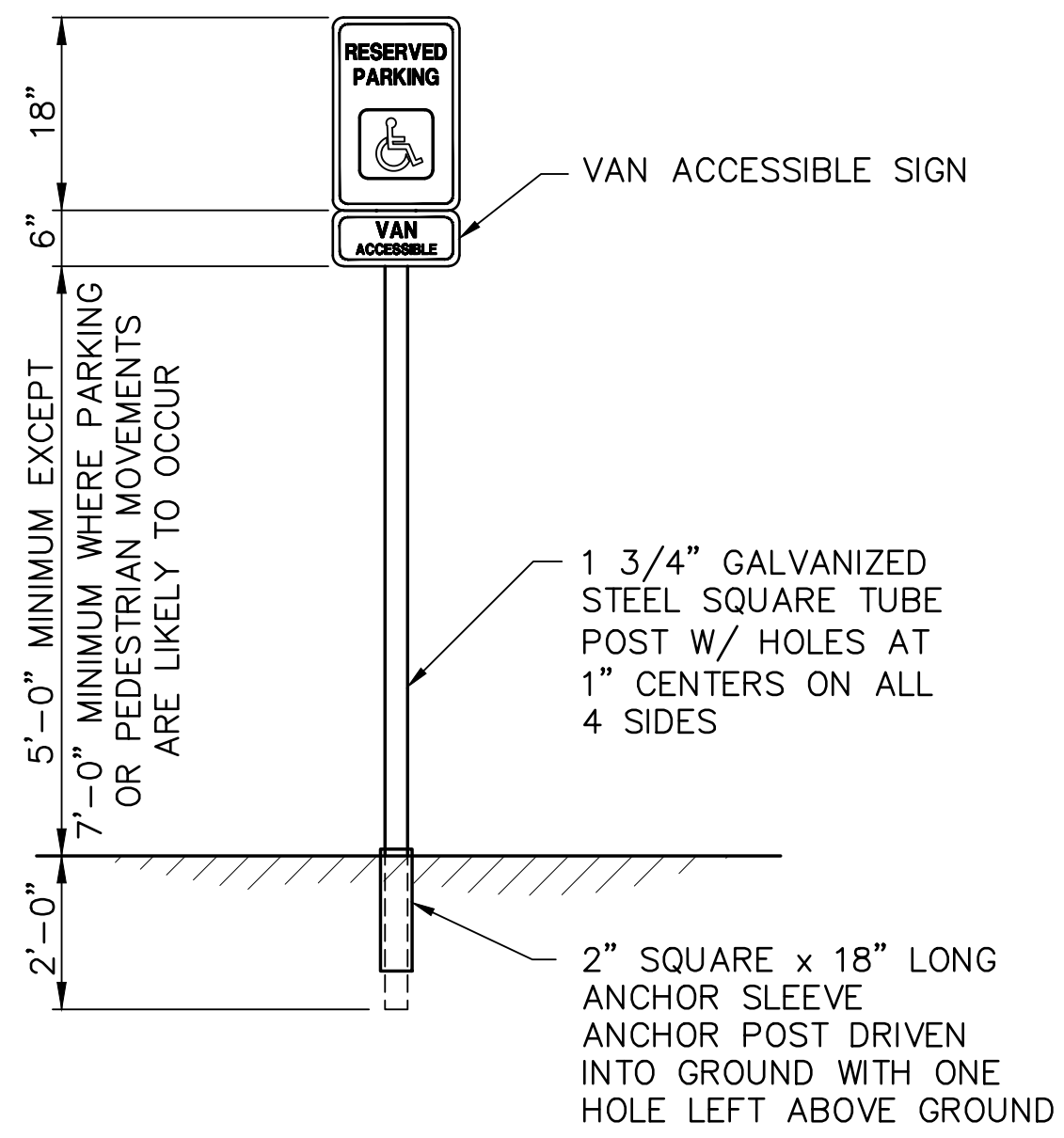
CONCRETE JOINT DETAIL
NO SCALE



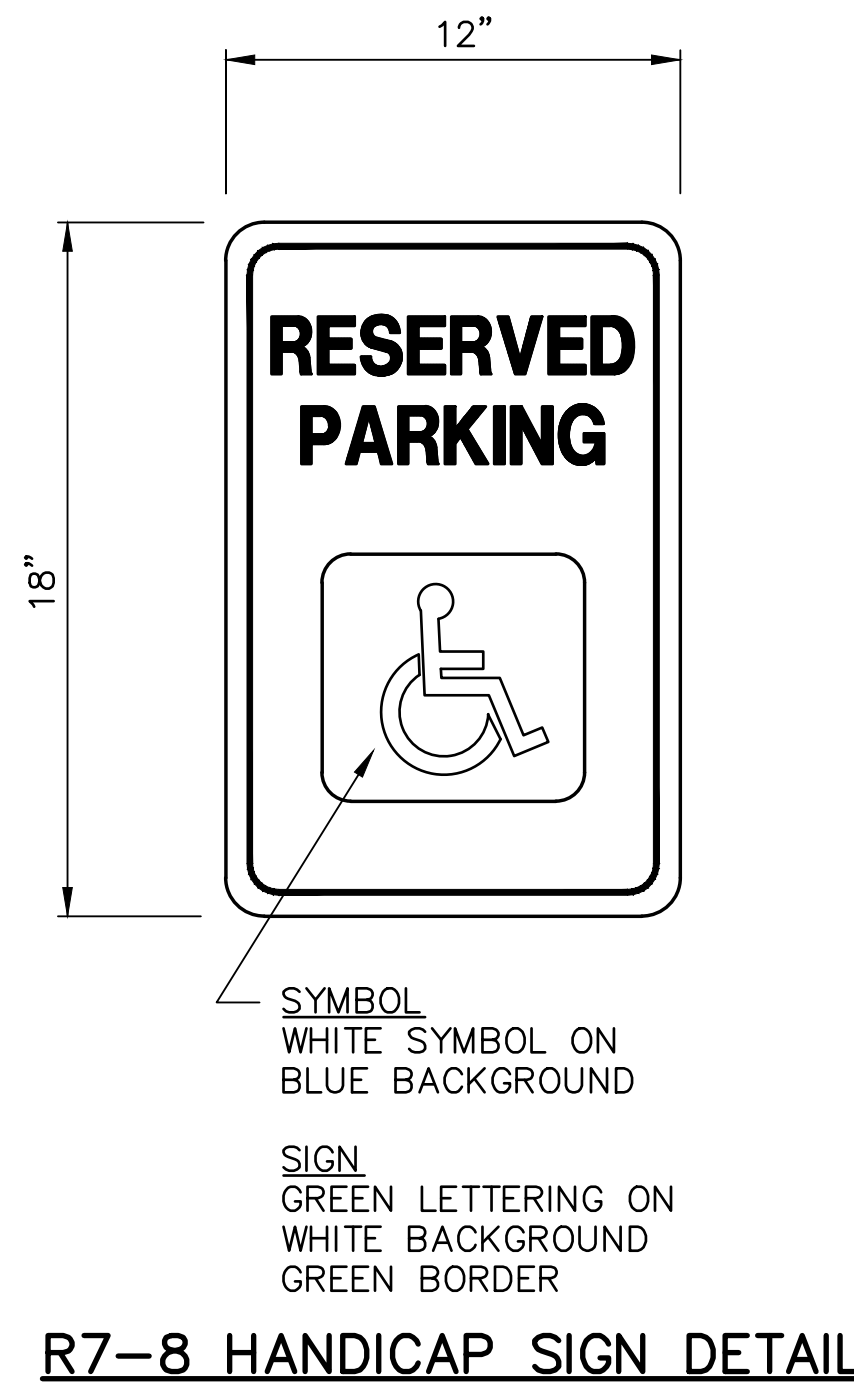
TYPICAL INTERSECTION JOINT PATTERN
NO SCALE



D9-6P VAN ACCESSIBLE SIGN DETAIL

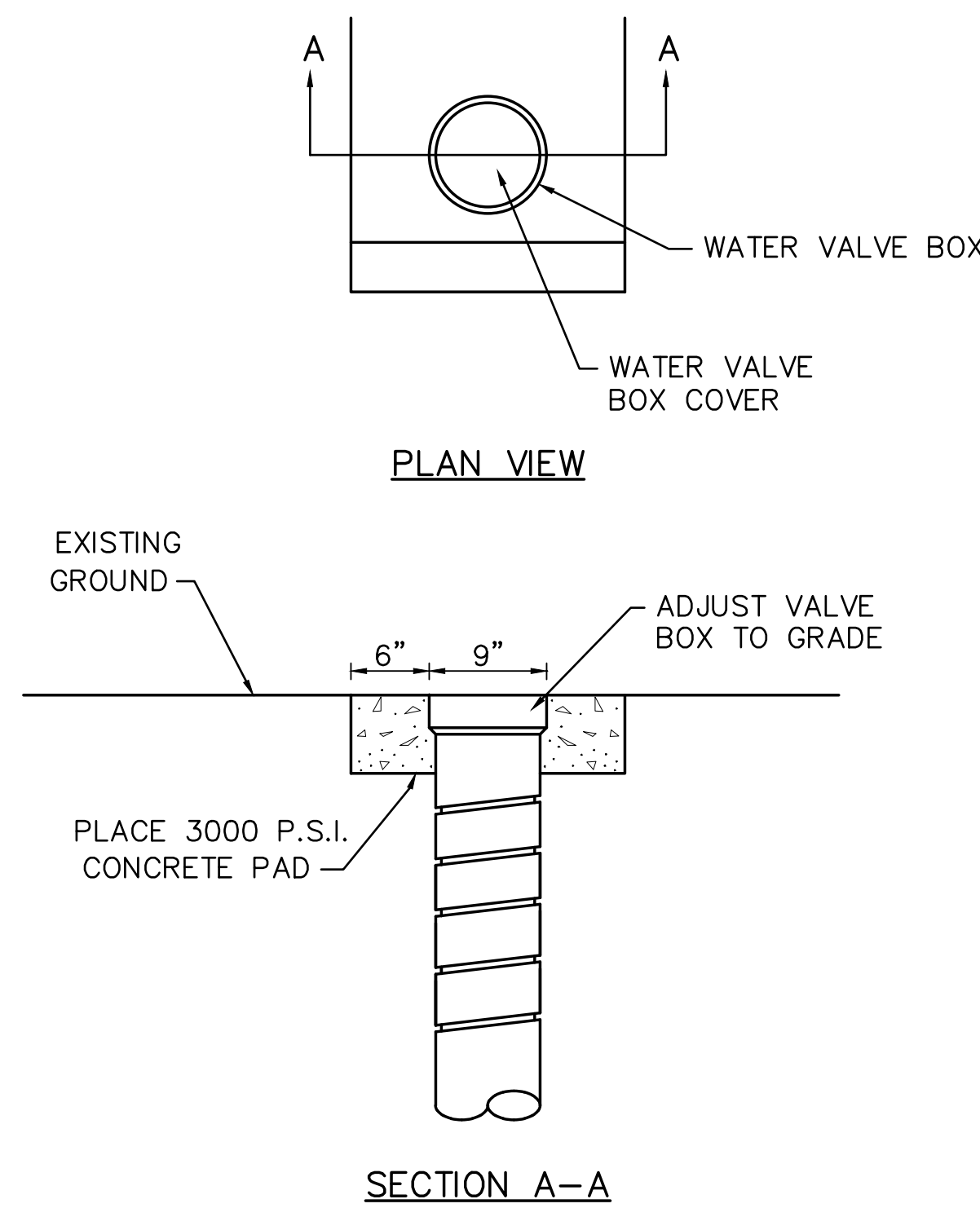


HANDICAP SIGN DETAIL

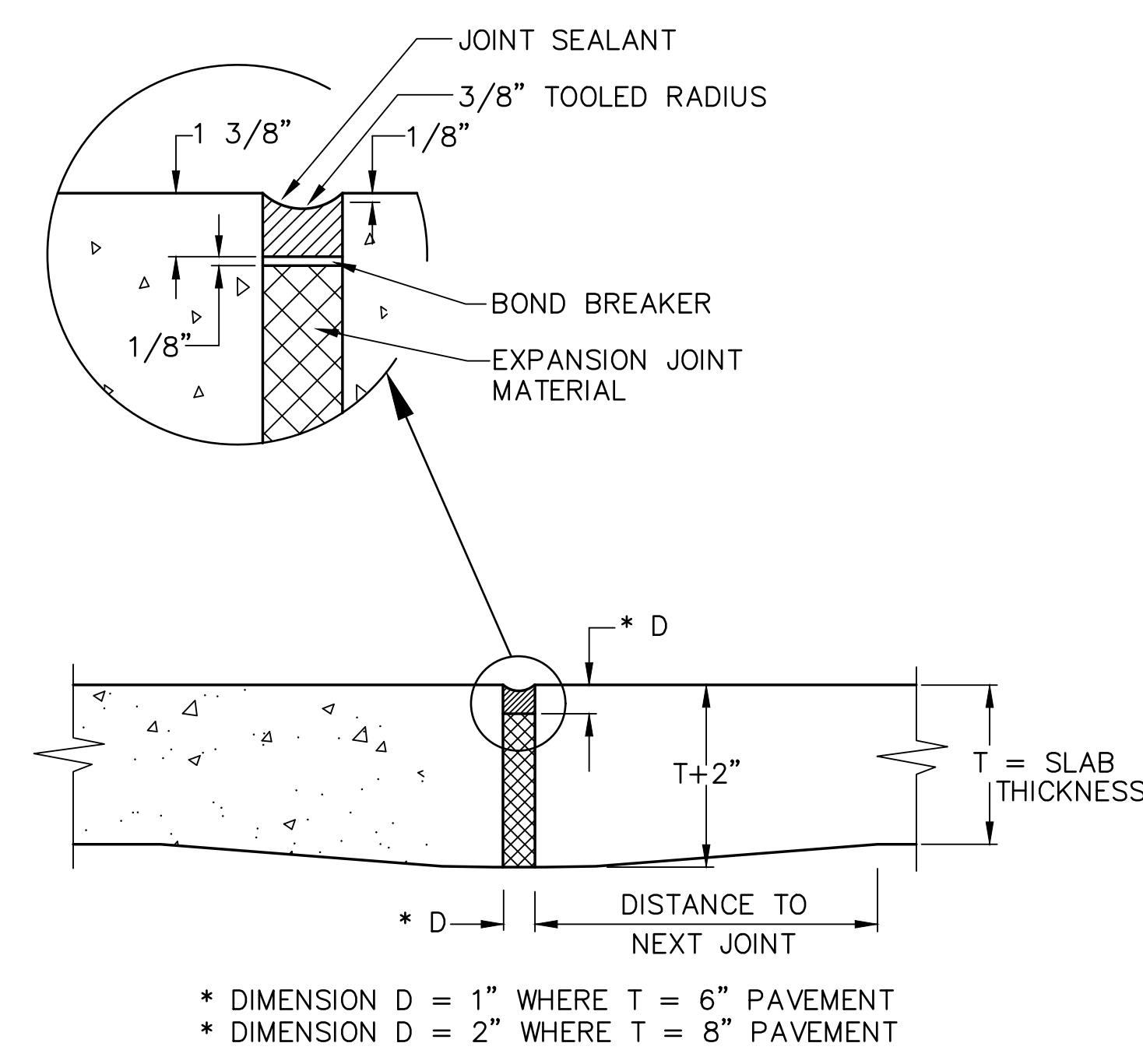


R7-8 HANDICAP SIGN DETAIL

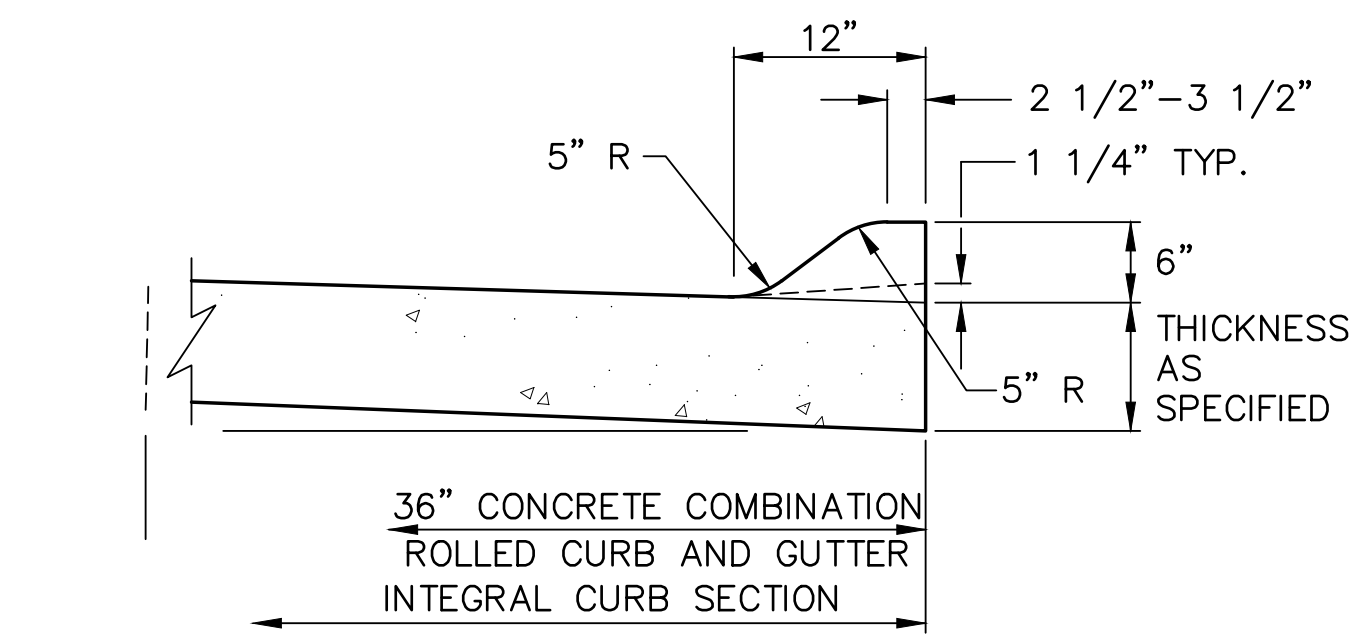
HANDICAP SIGN DETAILS
NO SCALE



STANDARD VALVE BOX ADJUSTMENT DETAIL
NO SCALE

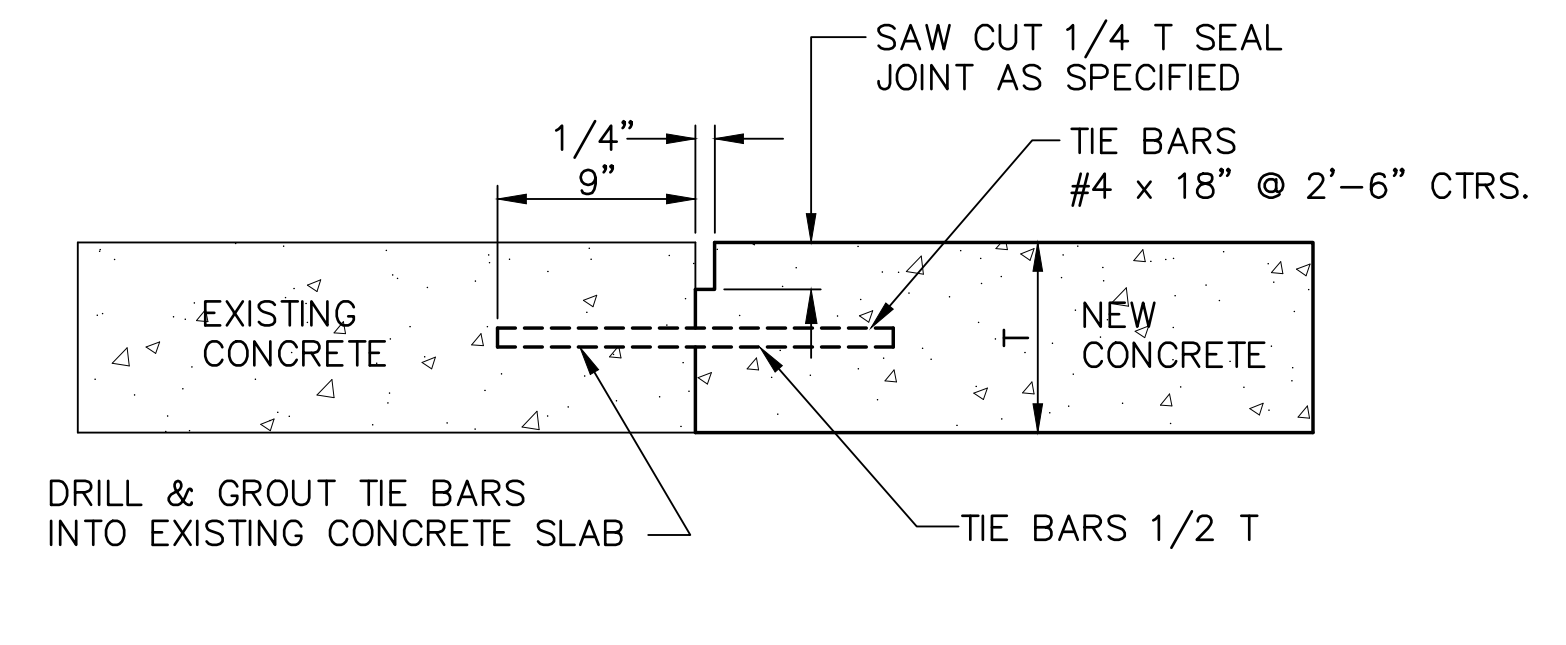


THICKENED EDGE EXPANSION JOINT
NO SCALE



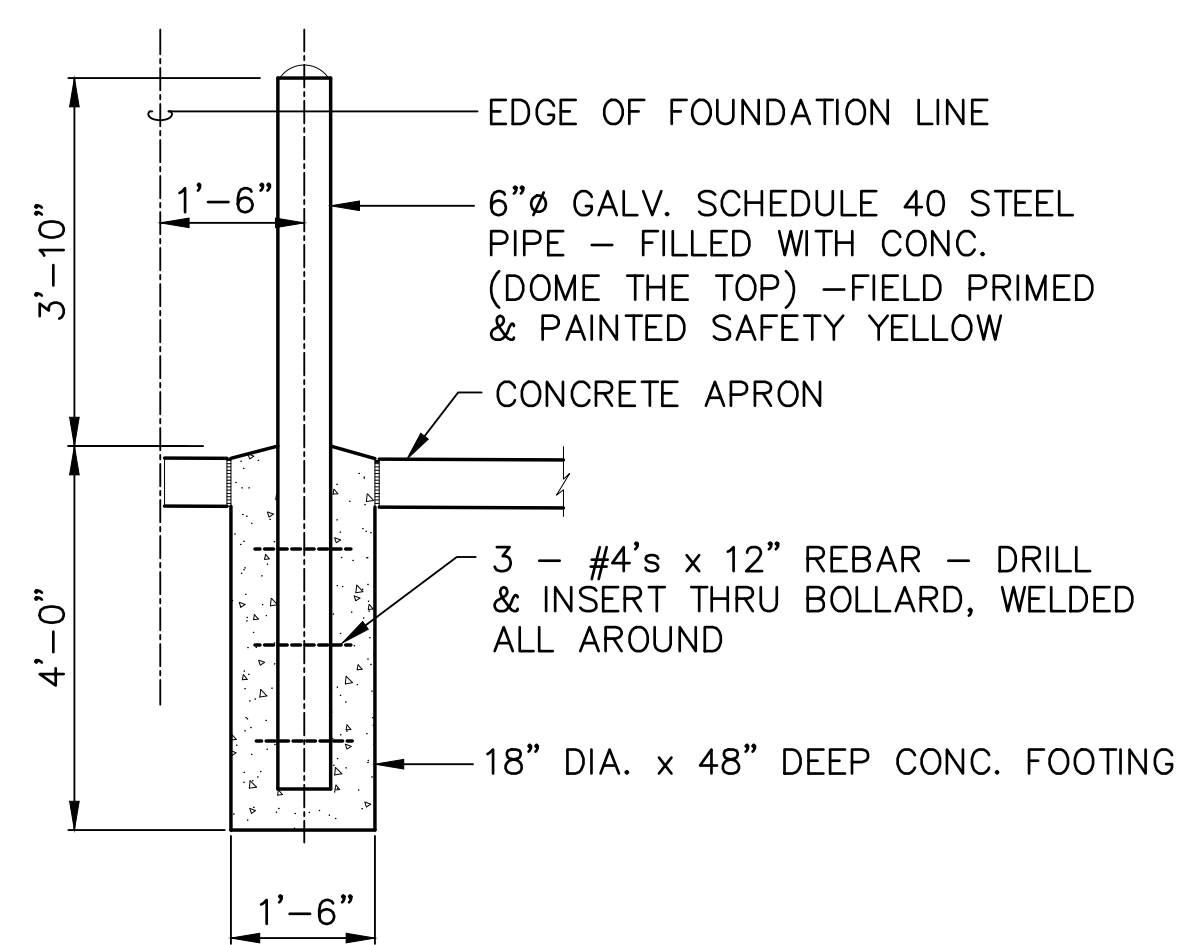
NOTE: EXTREME CARE SHALL BE USED IN FINISH WORK TO ELIMINATE "LOW SPOTS" AND "POCKETS" IN FLAT GRADES

STANDARD 6\"/>

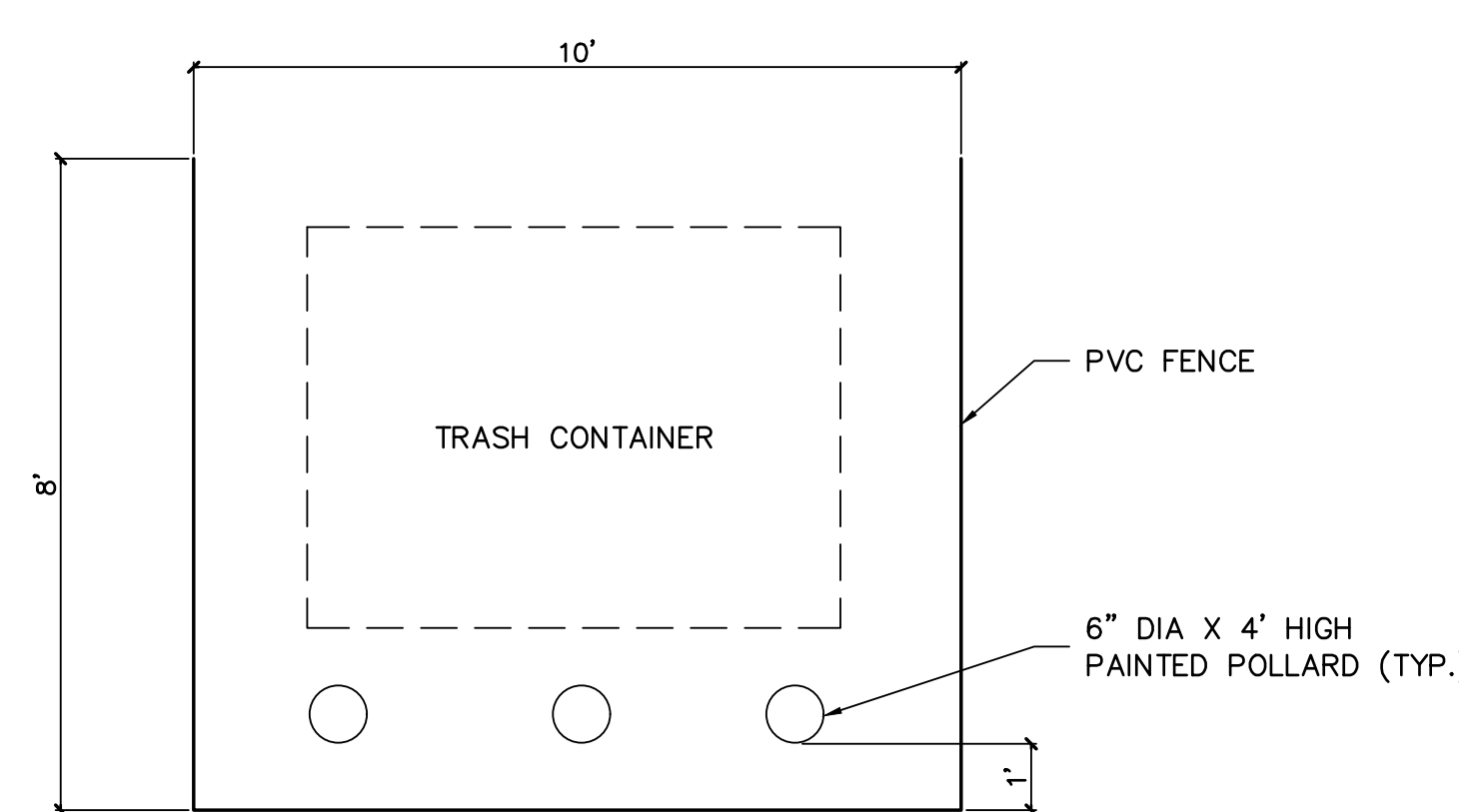


T = THICKNESS OF NEW CONCRETE

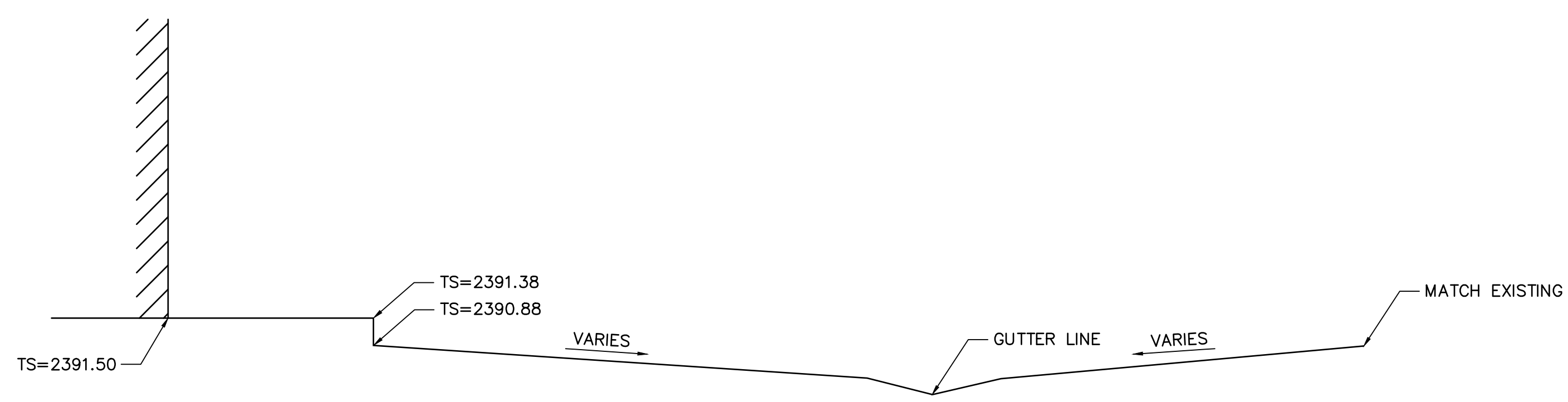
TIE BAR DETAIL
NO SCALE



BOLLARD DETAIL
NO SCALE



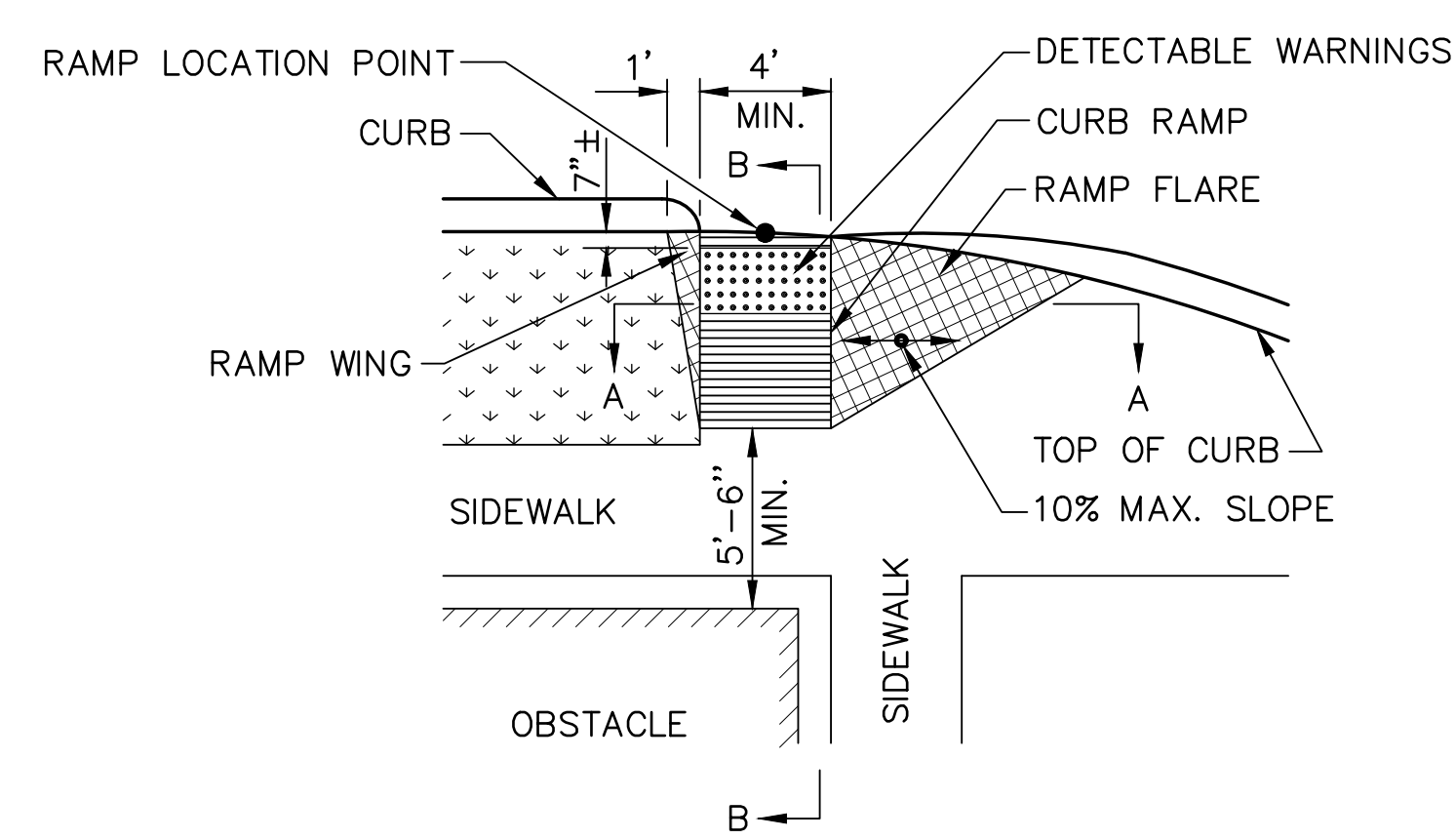
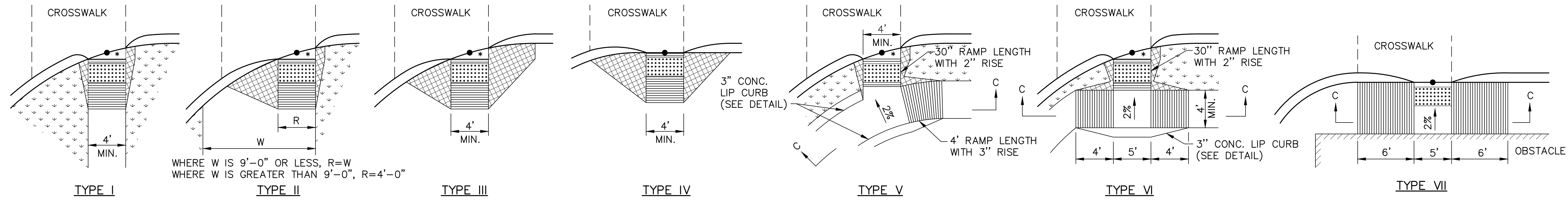
TRASH ENCLOSURE
NO SCALE



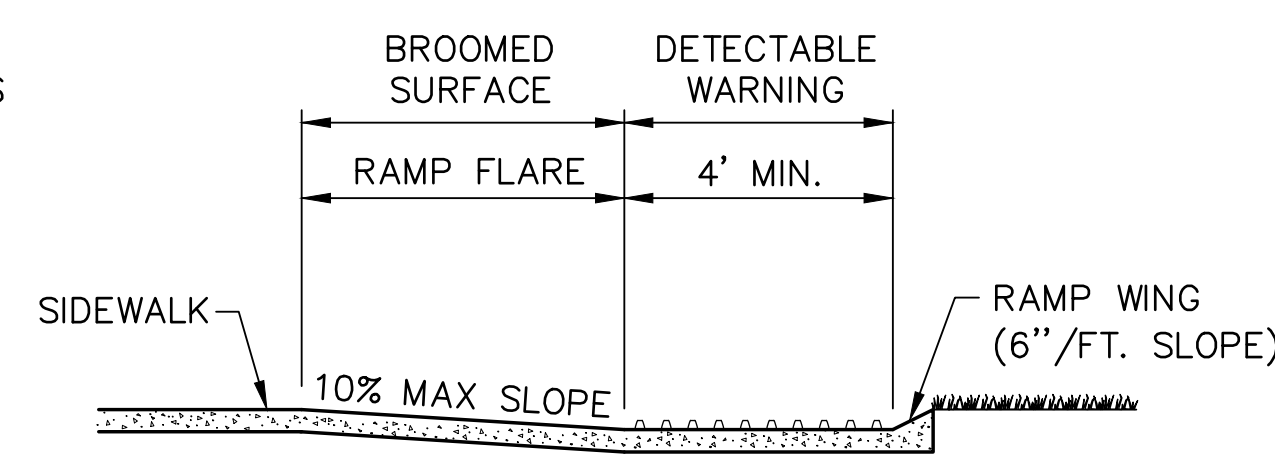
SECTION A-A
NO SCALE

Revision/Issue	Date

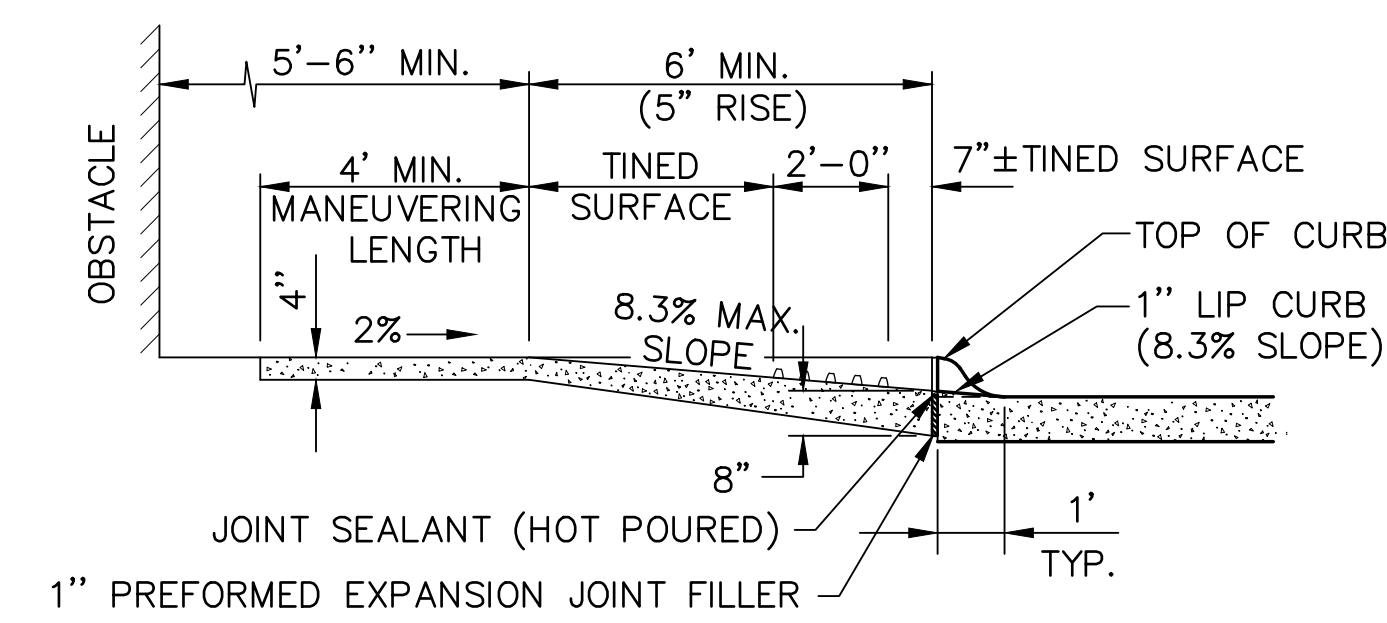
PAVING DETAILS
Project Number: 2235
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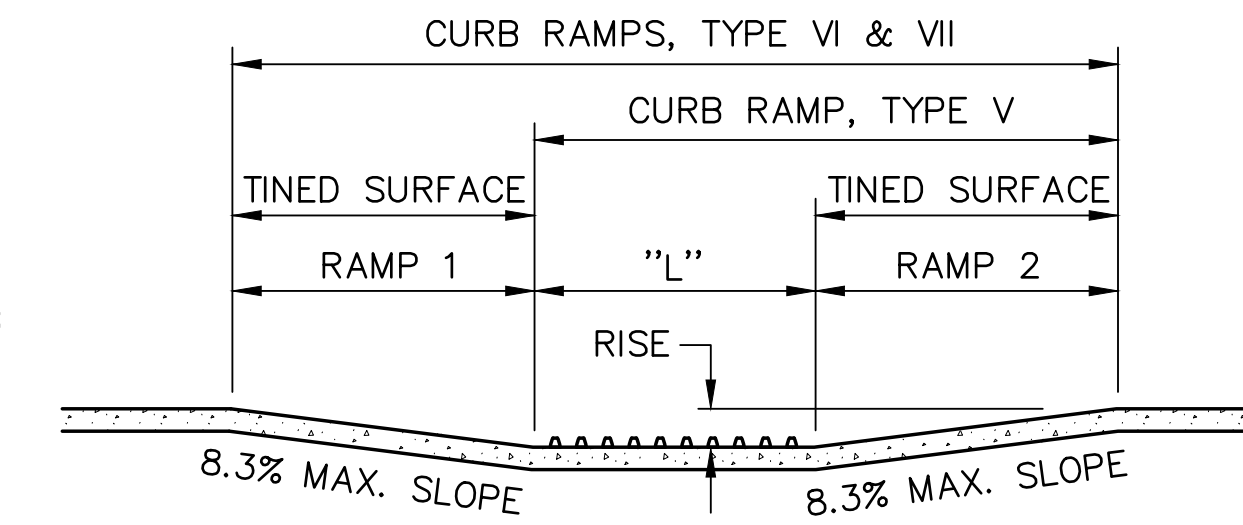
TYPICAL CURB RAMP DETAIL



SECTION A-A
TYPICAL RAMP CROSS SECTION

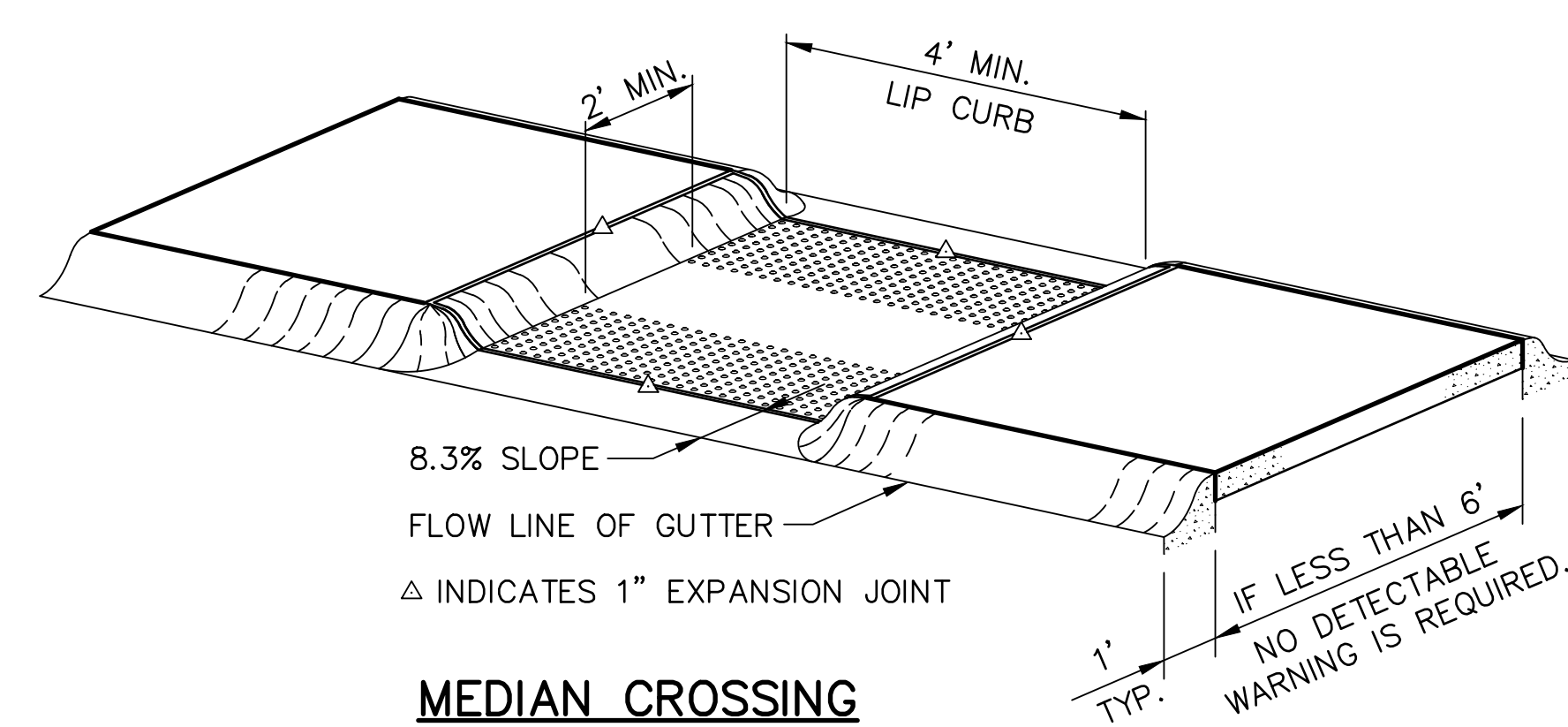


SECTION B-B
TYPICAL RAMP PROFILE

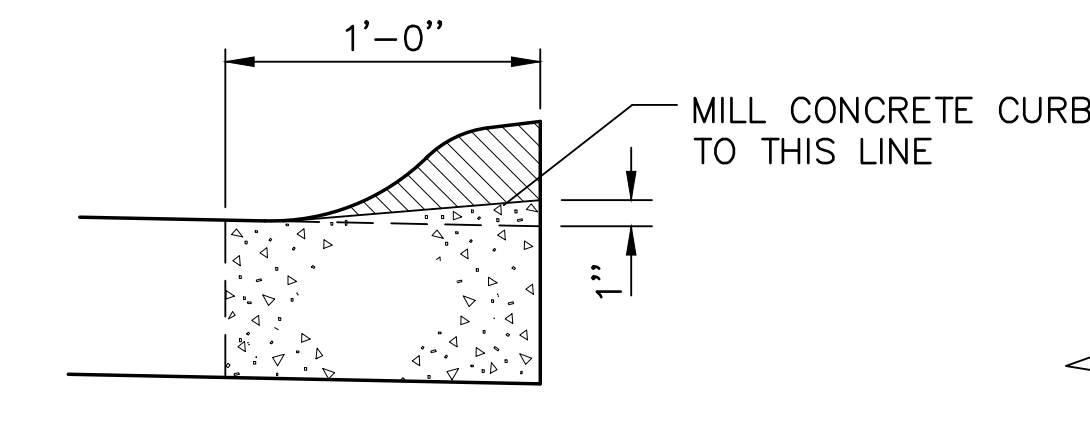


CURB RAMP	RISE	"L"	RAMP 1	RAMP 2
TYPE V	3"	VAR.	N/A	4'
TYPE VI	3"	5'	4'	4'
TYPE VII	5"	5'	6'	6'

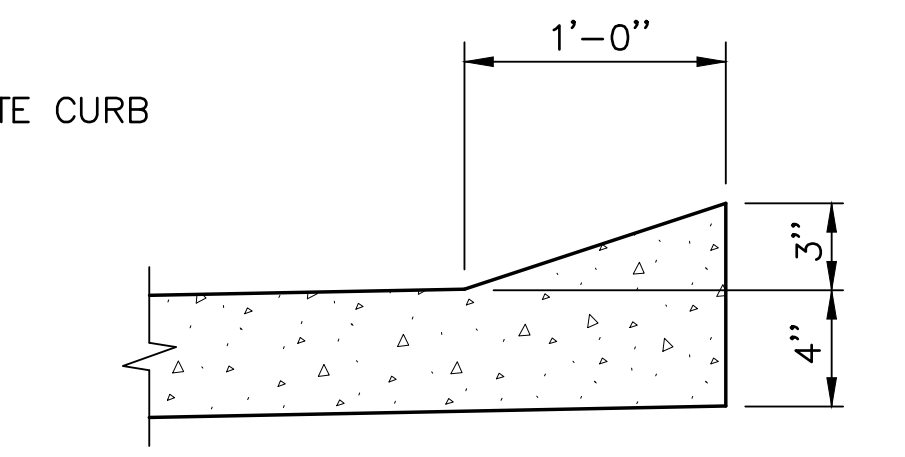
SECTION C-C
TYPICAL RAMP CROSS SECTION



MEDIAN CROSSING



CURB REMOVAL DETAIL



3\"/>

NOTES:

THE NORMAL GUTTER LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE CURB RAMP.

THE SURFACE OF ALL CURB RAMPS SHALL BE TINED TRANSVERSELY TO THE SLOPE OF THE CURB RAMP. THE TINES SHALL PRODUCE GROOVES APPROXIMATELY 1/8" WIDE AND 3/16" DEEP ON 1/2" CENTERS. ALL FLARES AND WINGS SHALL BE BROOMED.

CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON THE CURB RAMP, FREE OF SAGS AND SHORT GRADE CHANGES.

THE RAMP FLARES SHALL BE CONSTRUCTED WITH A 10% SLOPE AT RIGHT ANGLES TO THE SLOPE OF THE CURB RAMP, TYPES II, III & IV.

THE SLOPE OF SIDEWALKS APPROACHING CURB RAMPS (OR THEIR FLARES) SHALL BE FLAT ENOUGH TO PROVIDE RECOVERY AREAS FOR WHEELCHAIRS ENTERING OR EXITING THE RAMPS.

THE WORK OF CONSTRUCTING THESE RAMPS SHALL BE MEASURED AND PAID FOR AS A PART OF THE WORK FOR "CONCRETE SIDEWALKS", "CONCRETE MEDIAN SURFACING" OR "CONCRETE BIKEWAY". THE WORK OF MODIFICATION OF NEW OR EXISTING CURB WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS OF WORK FOR WHICH DIRECT PAYMENT IS MADE.

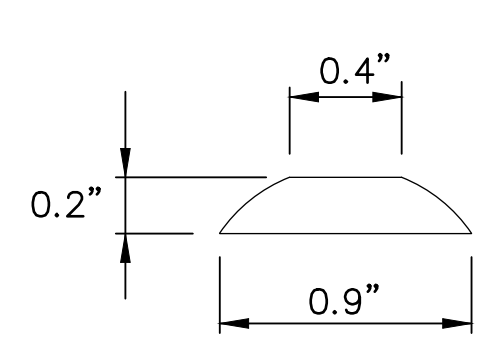
MAXIMUM PERCENT OF SLOPES ARE RELATIVE TO THE SLOPE OF THE ADJACENT SIDEWALK.

DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP. THEY SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6" TO 8" FROM THE CURB LINE.

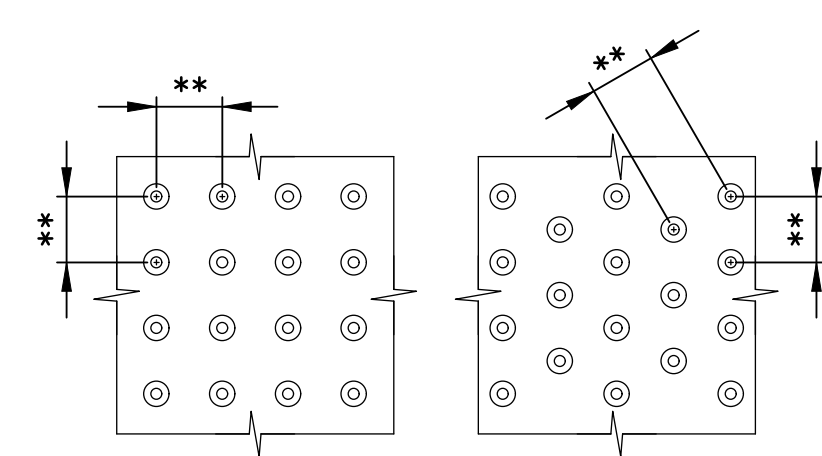
* INDICATES 2% SLOPE TOWARDS STREET.

LEGEND

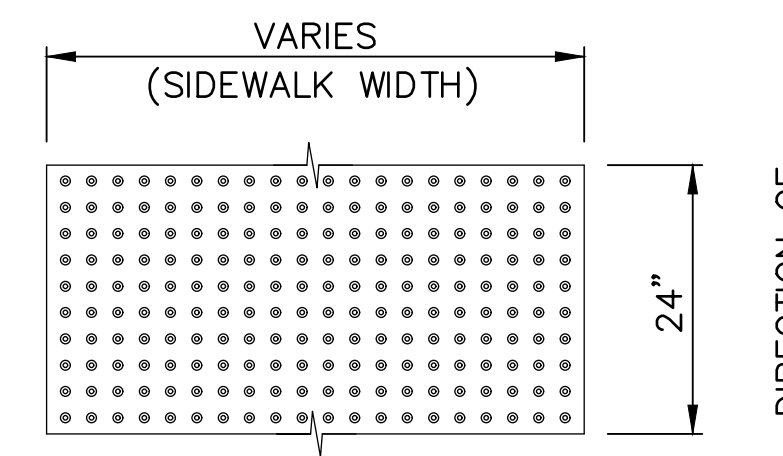
- DETECTABLE WARNINGS
- TINED CURB RAMPS
- BROOMED RAMP WINGS & FLARES
- MILLED CONCRETE
- GRASS OR NON WALKING SURFACE



DOME SECTION



DOME SPACING



DOME ALIGNMENT

DETECTABLE WARNING DETAILS

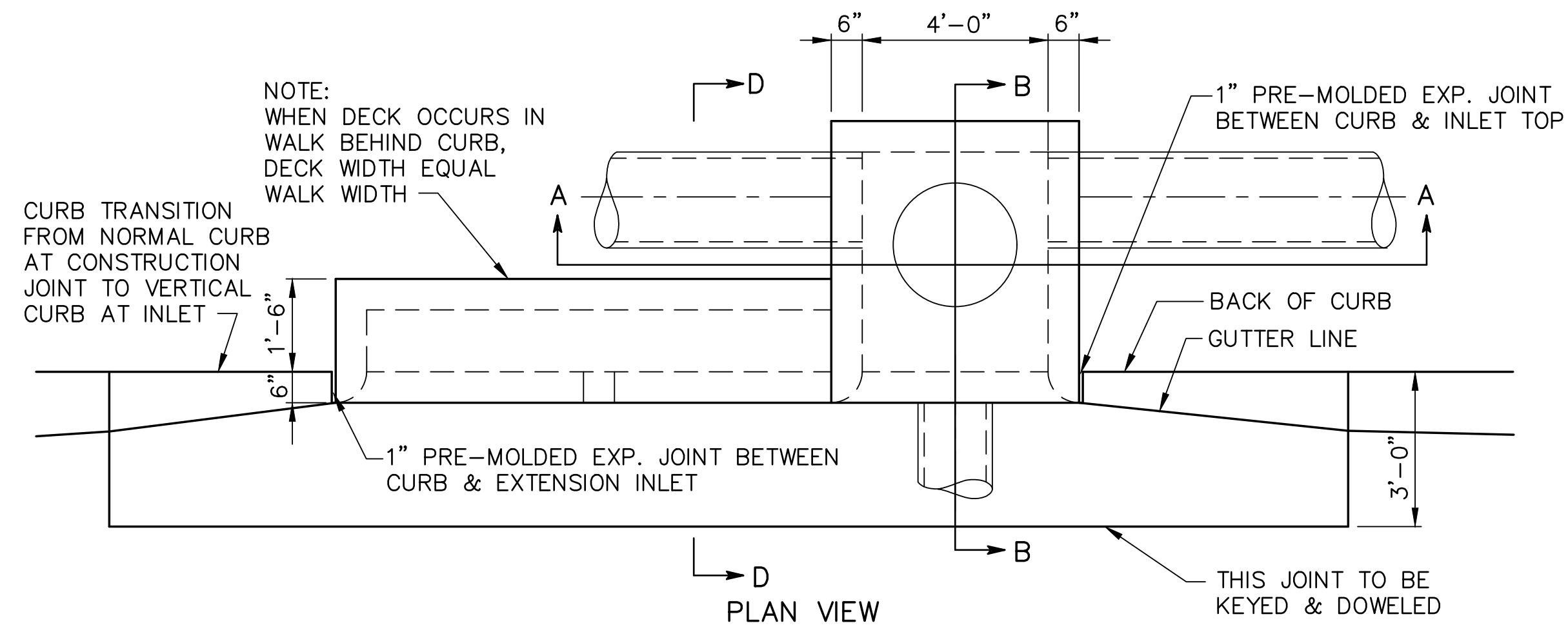
Revision/Issue	Date

PAVING DETAILS

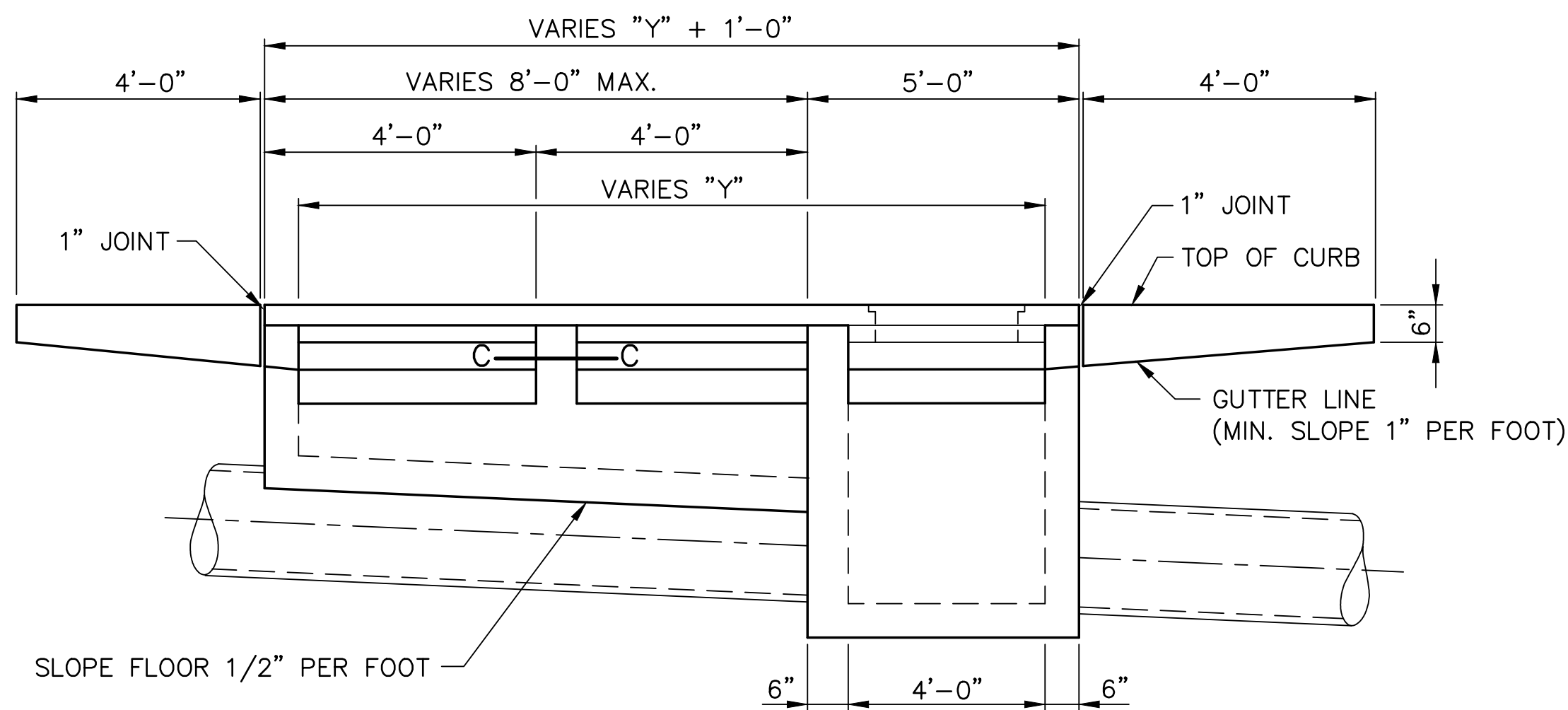
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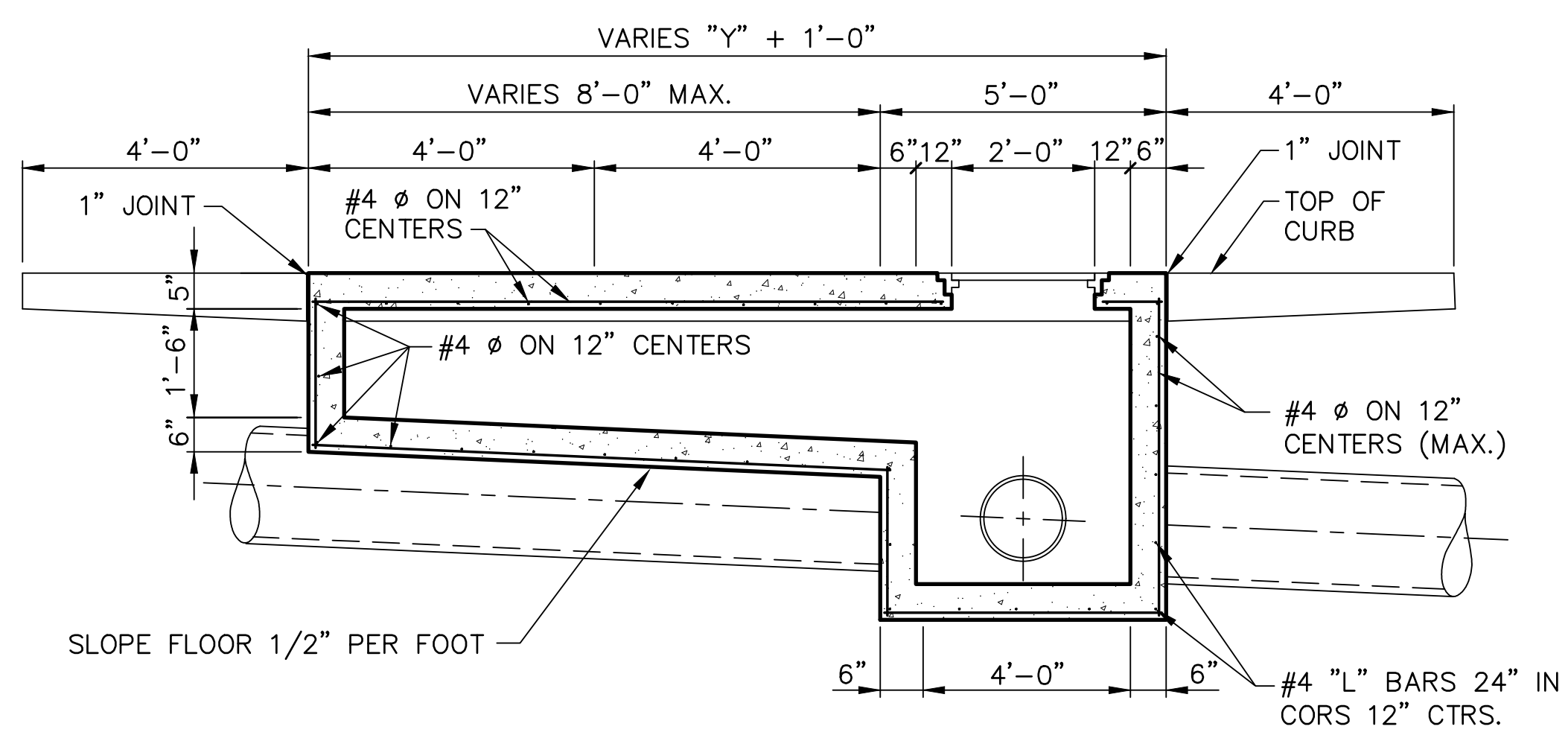
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CURB INLET ("Y" = 6' TO 12')



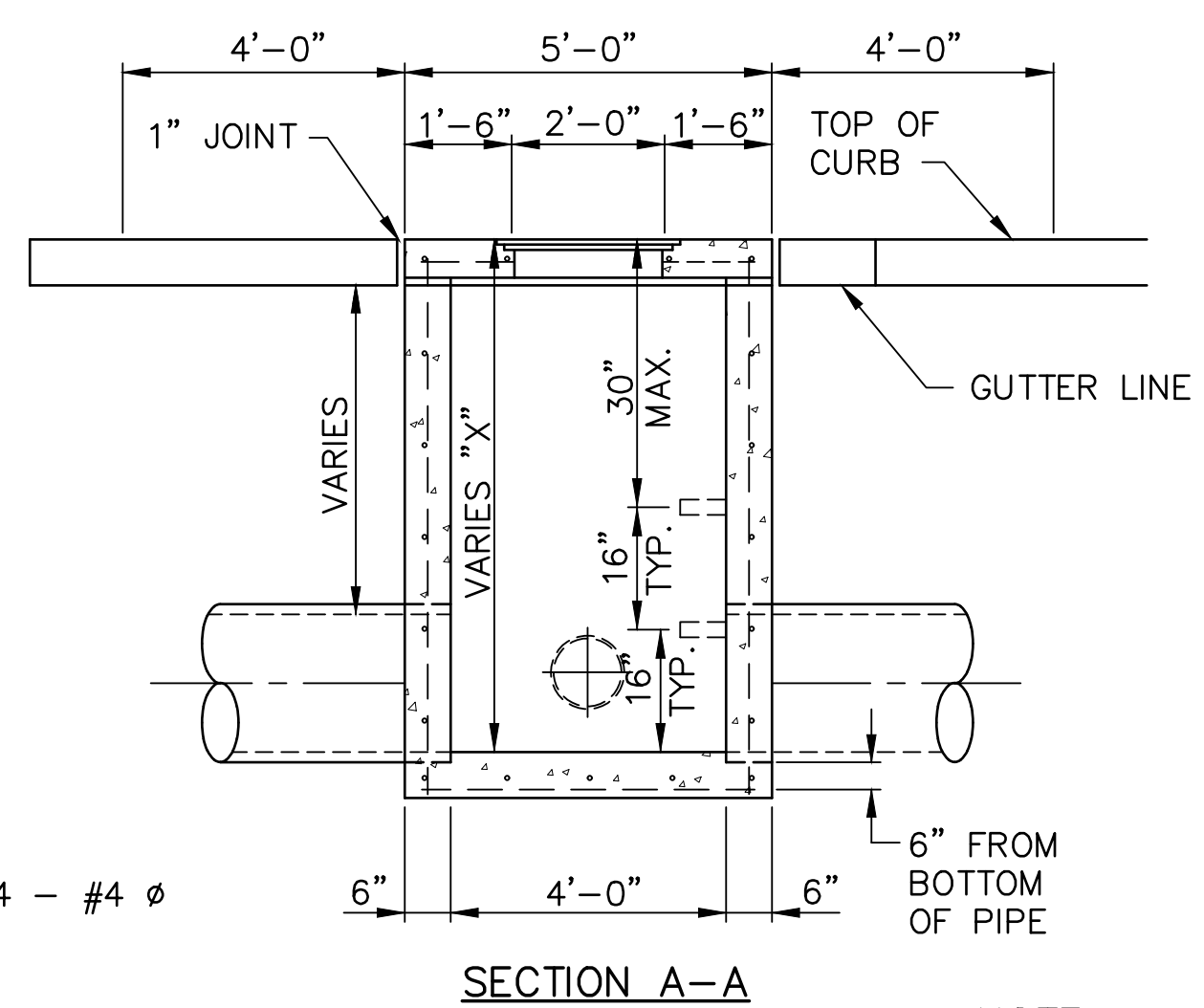
FRONT ELEVATION



TYPICAL INLET SECTION

NOTES:

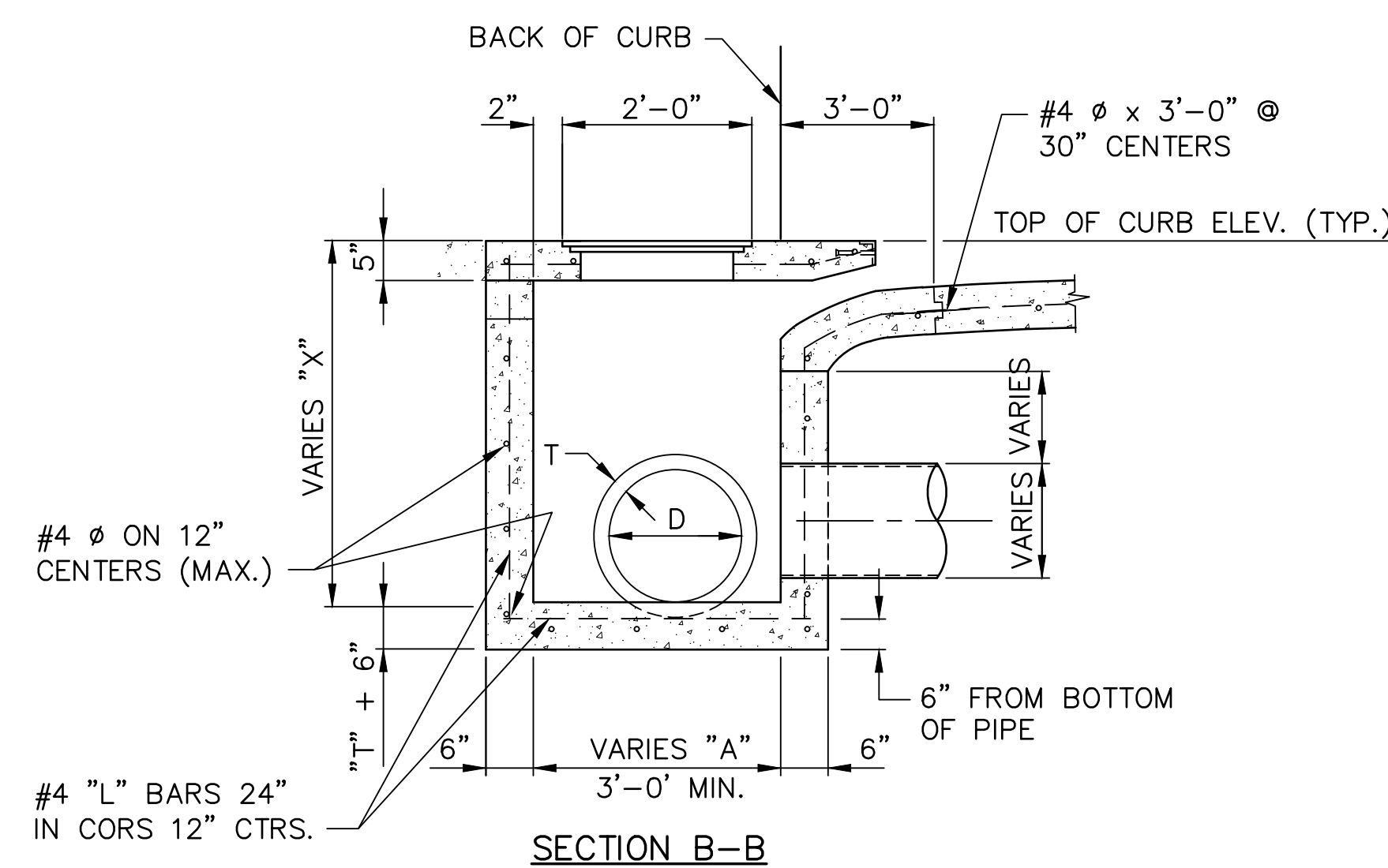
- ALL EXPOSED SURFACES OF CURB INLET CASTINGS AND FACE PLATES SHALL RECEIVE 2 COATS OF ASPHALT BASE PAINT "FLAT BLACK" OR APPROVED EQUAL. ALL METAL SHALL BE FREE FROM ANY PAINT OR COATING BEFORE ASPHALT BASE PAINT IS APPLIED.
- INLET SHALL BE ALL CONCRETE CONSTRUCTION WITH REINFORCEMENT AS SHOWN.
- THE COVERING FOR ALL REBARS SHALL BE 1 1/2".
- INLET COVER AND FRAME SHALL BE DEETER FOUNDRY NO. 2000 OR APPROVED EQUAL.



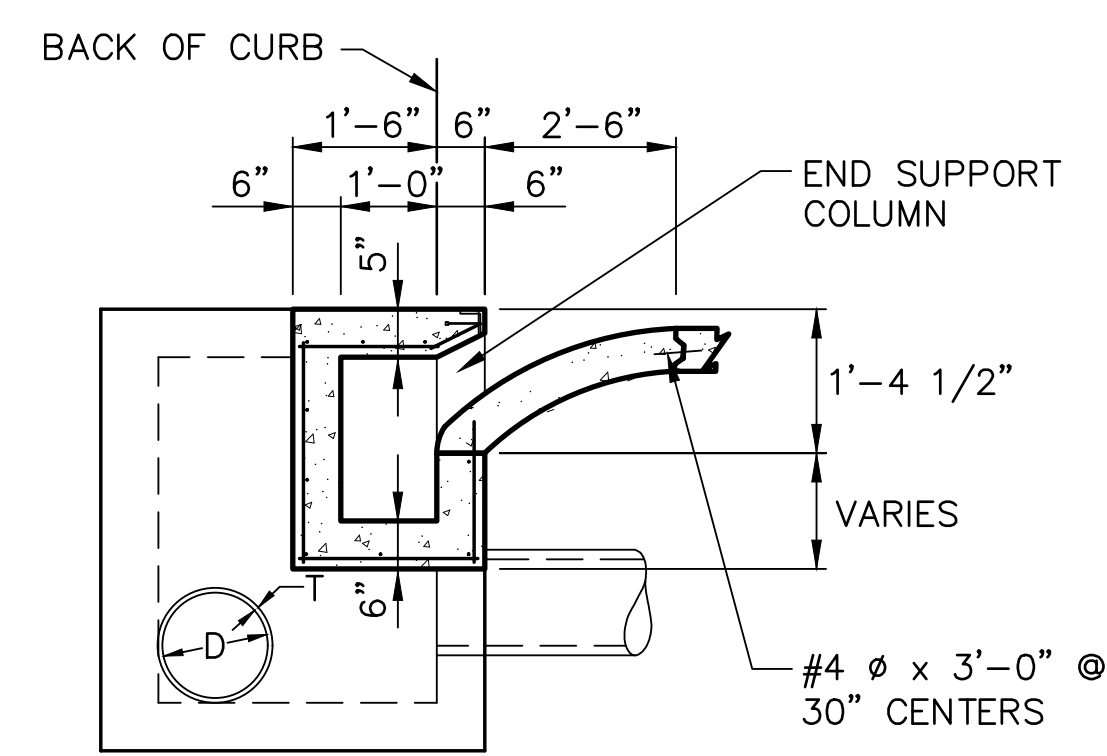
CURB INLET ("Y" = 4')

NOTE: TOP REINFORCEMENT TO BE TIED TO WALL REINFORCEMENT

SECTION C-C SUPPORT COLUMN DETAIL



SECTION B-B



SECTION D-D

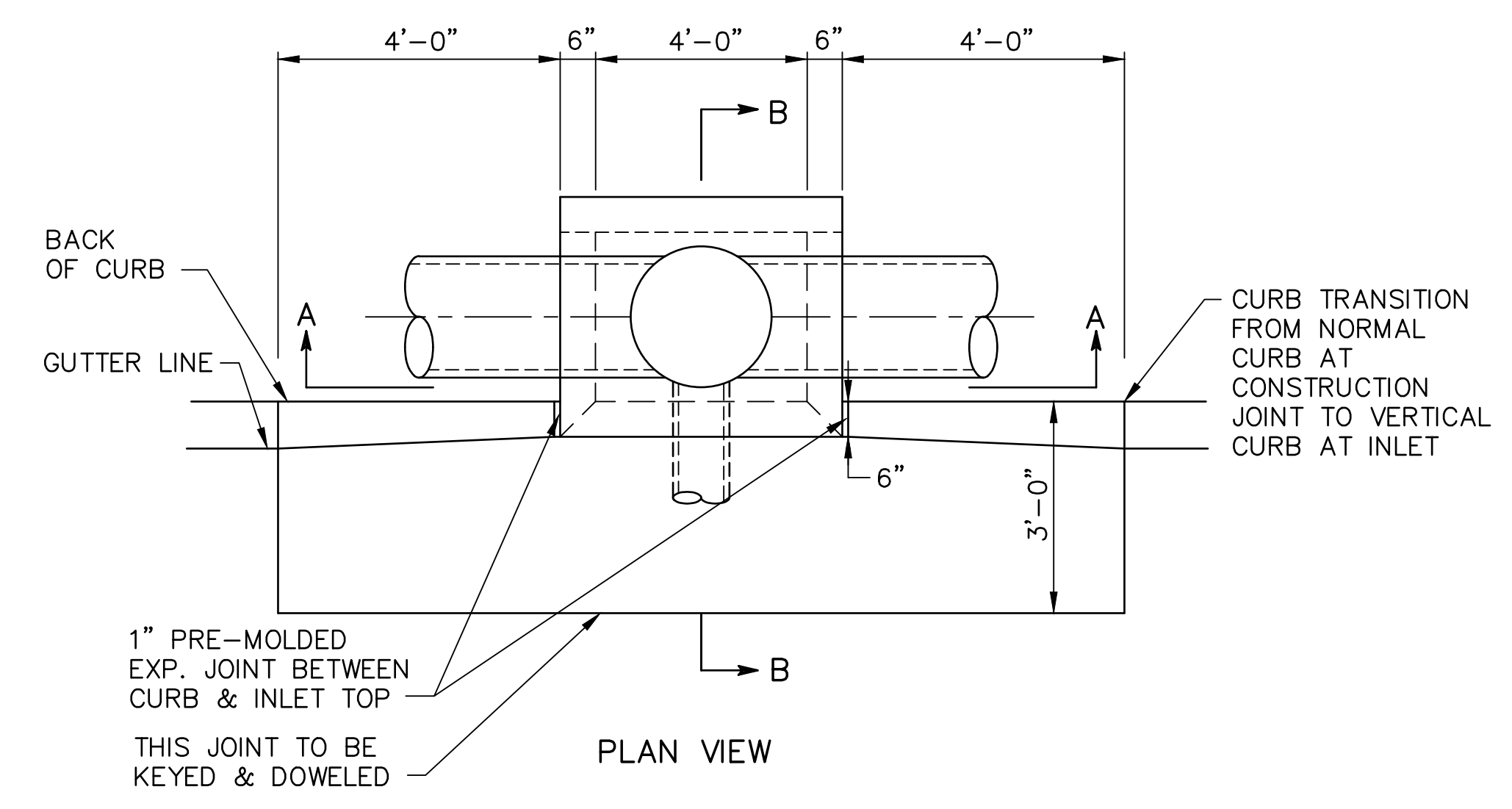
CURB INLET DETAIL

NO SCALE

INLET DEPTH= 'X' DIMENSION ON PLAN & PROFILE SHEETS
 d3 = 'A' DIMENSION ON PLAN & PROFILE SHEETS
 d3 = 3.00' IF NO LONGITUDINAL PIPE
 d2 = 1.50' IF NO LONGITUDINAL PIPE
 d1 = CENTER OF LONGITUDINAL PIPE BEHIND BACK OF CURB.

DIA. OF PIPE PARALLEL TO ROADWAY "D"	d1	d2 (A)	d3 (A)
12"	3.33'	2.00'	4.00'
15"	3.44'	2.12'	4.25'
18"	3.62'	2.29'	4.58'
21"	3.82'	2.46'	4.92'
24"	3.92'	2.58'	5.17'
27"	4.10'	2.75'	5.50'
30"	4.21'	2.87'	5.75'
36"	4.50'	3.17'	6.33'
42"	4.80'	3.46'	6.92'
48"	5.08'	3.75'	7.50'
54"	5.37'	4.04'	8.08'
60"	5.67'	4.33'	8.67'
66"	5.96'	4.62'	9.25'

d3 = 2(d2)

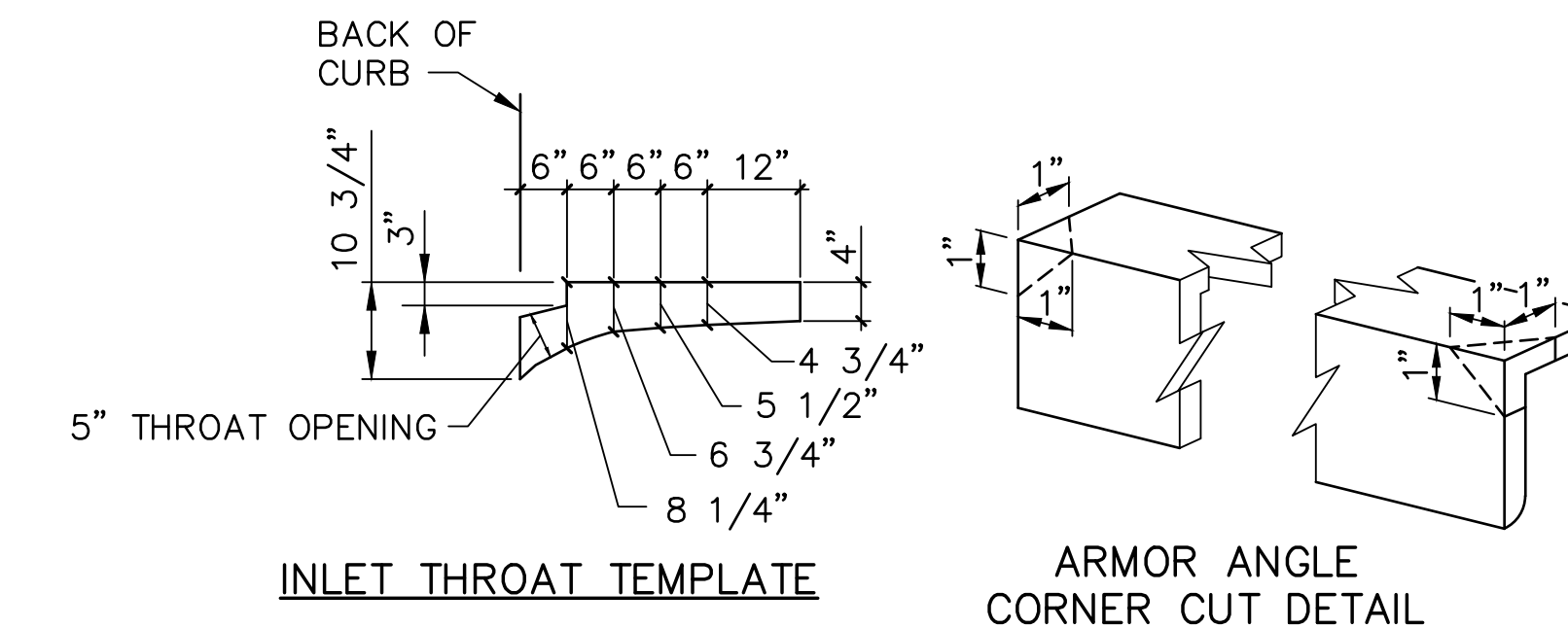


STANDARD CURB INLET ("Y" = 4')



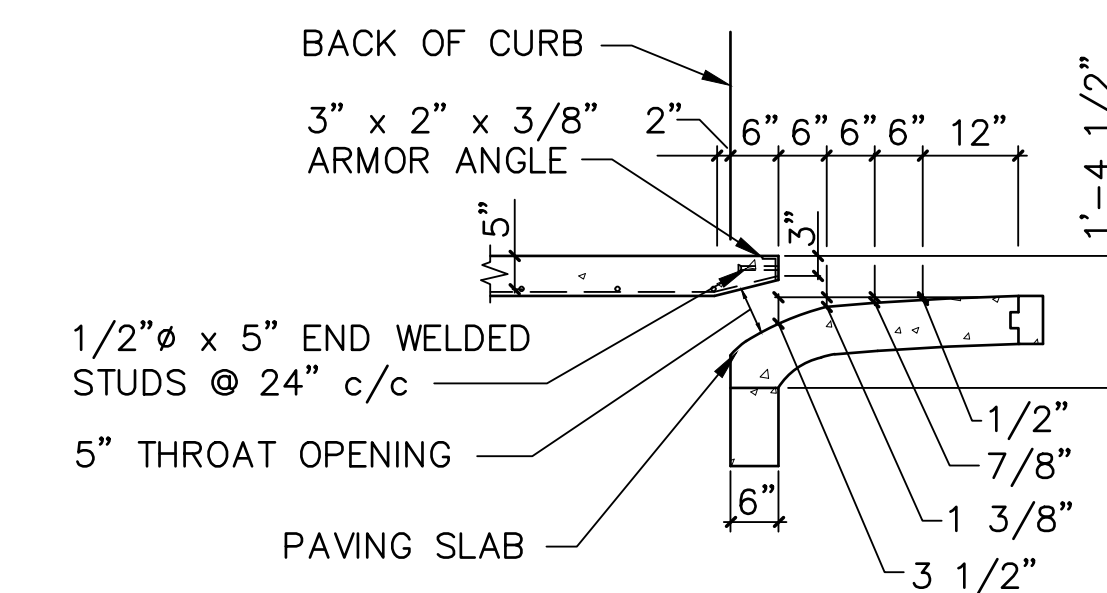
STANDARD INLET LID DEETER 2000 W/ LETTERING

INLET LID DETAIL
NO SCALE

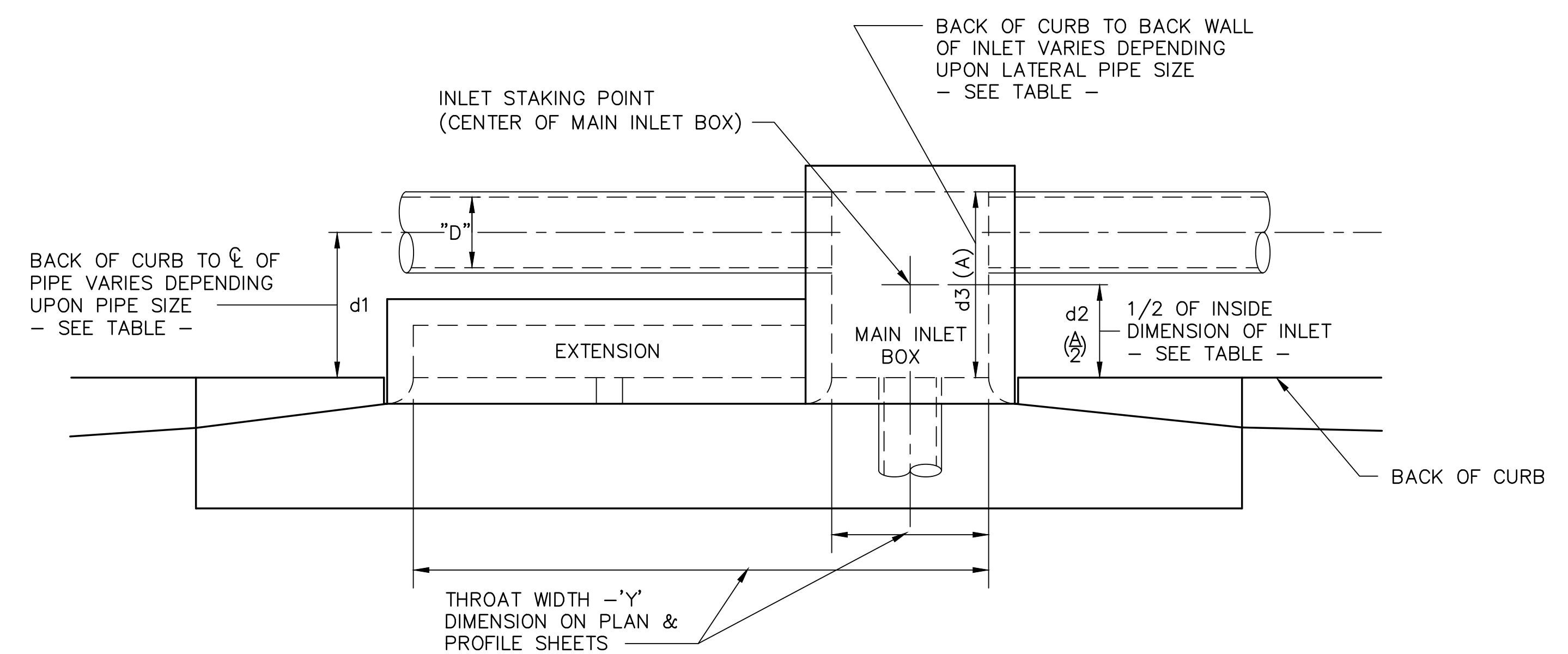


INLET THROAT TEMPLATE

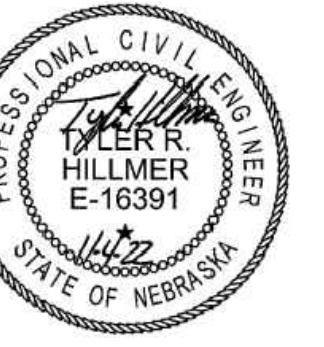
ARMOR ANGLE CORNER CUT DETAIL



INLET THROAT DETAILS
NO SCALE



STANDARD INLET STAKING POINT
NO SCALE



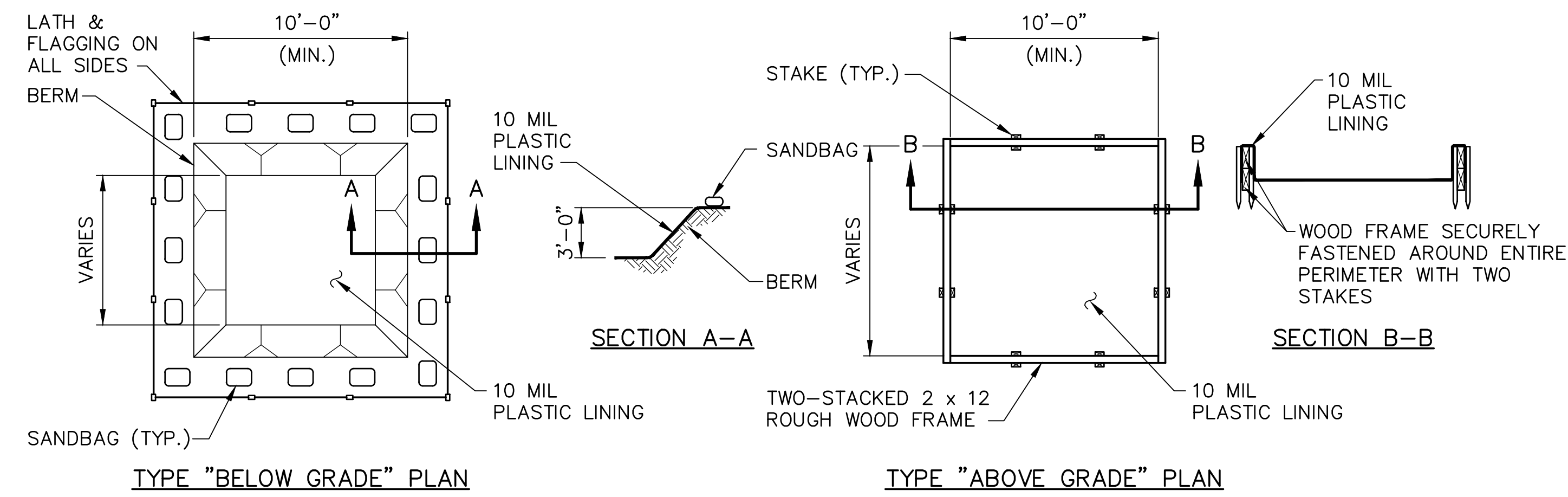
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CURB INLET DETAILS

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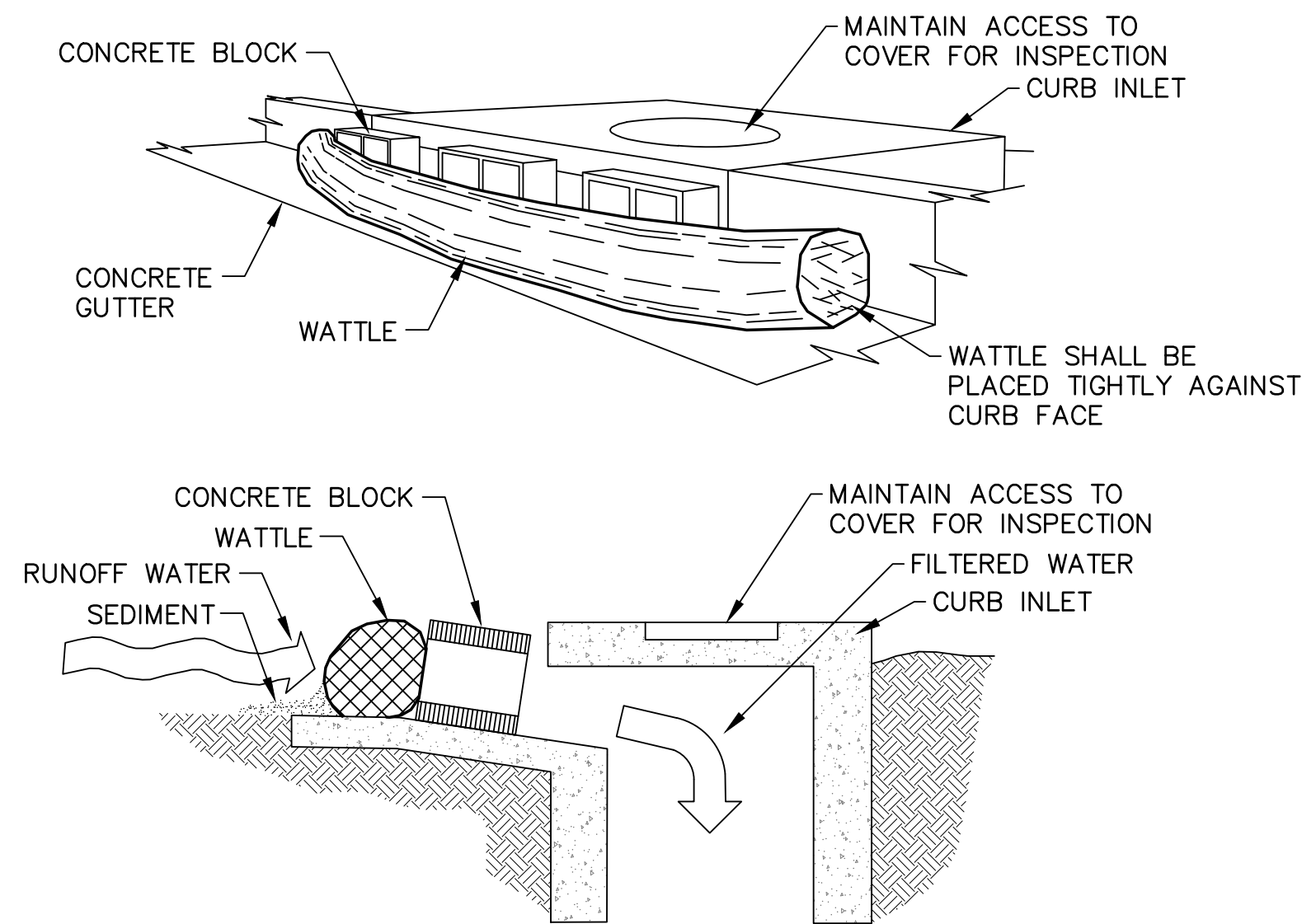


NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. CONTRACTOR TO DETERMINE ACTUAL SIZE REQUIRED TO MEET THE NEEDS FOR THE VOLUME OF CONCRETE TRUCK WASHOUT WATER ANTICIPATED PLUS RAINFALL.

CONCRETE WASHOUT PIT

NO SCALE

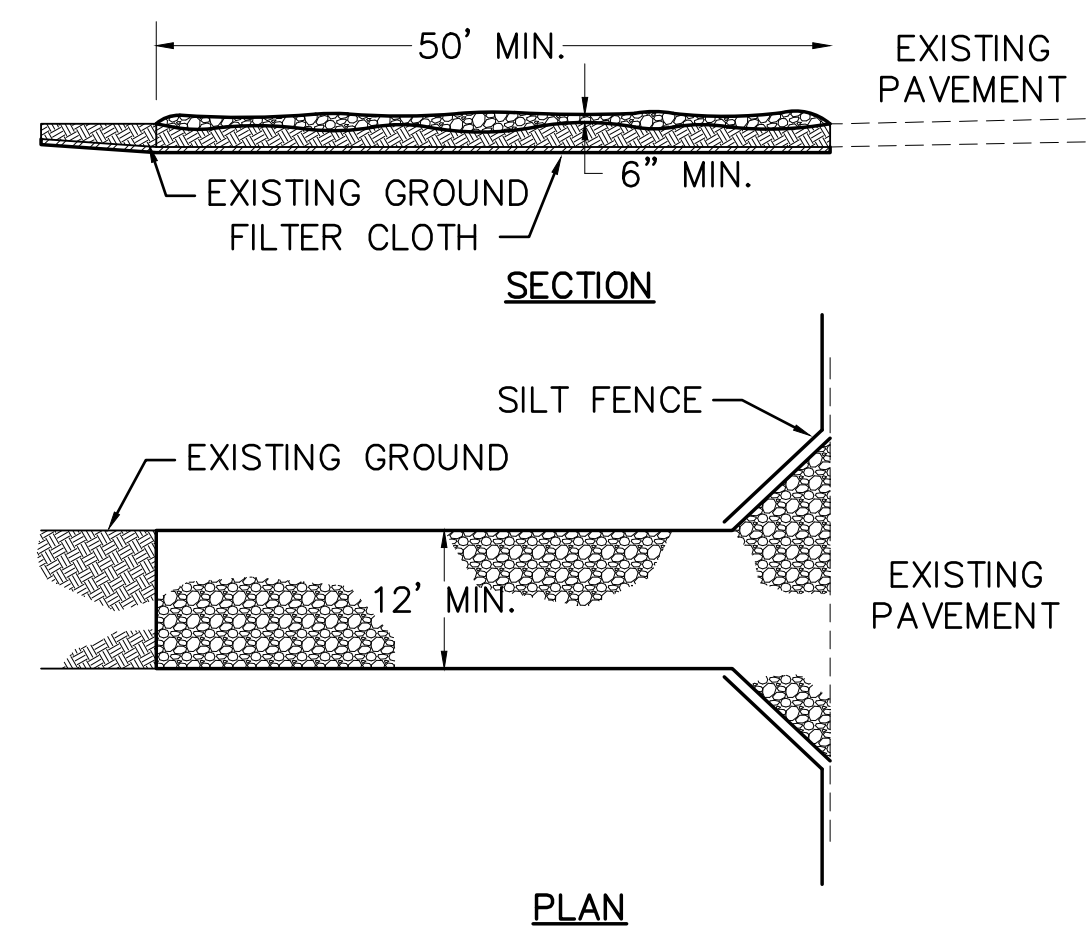


NOTES:

1. THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.
2. DEPENDING ON THE OPENING OF THE INLET, THE CONCRETE BLOCK MAY HAVE TO BE PLACED VERTICAL.

CURB INLET PROTECTION

NO SCALE

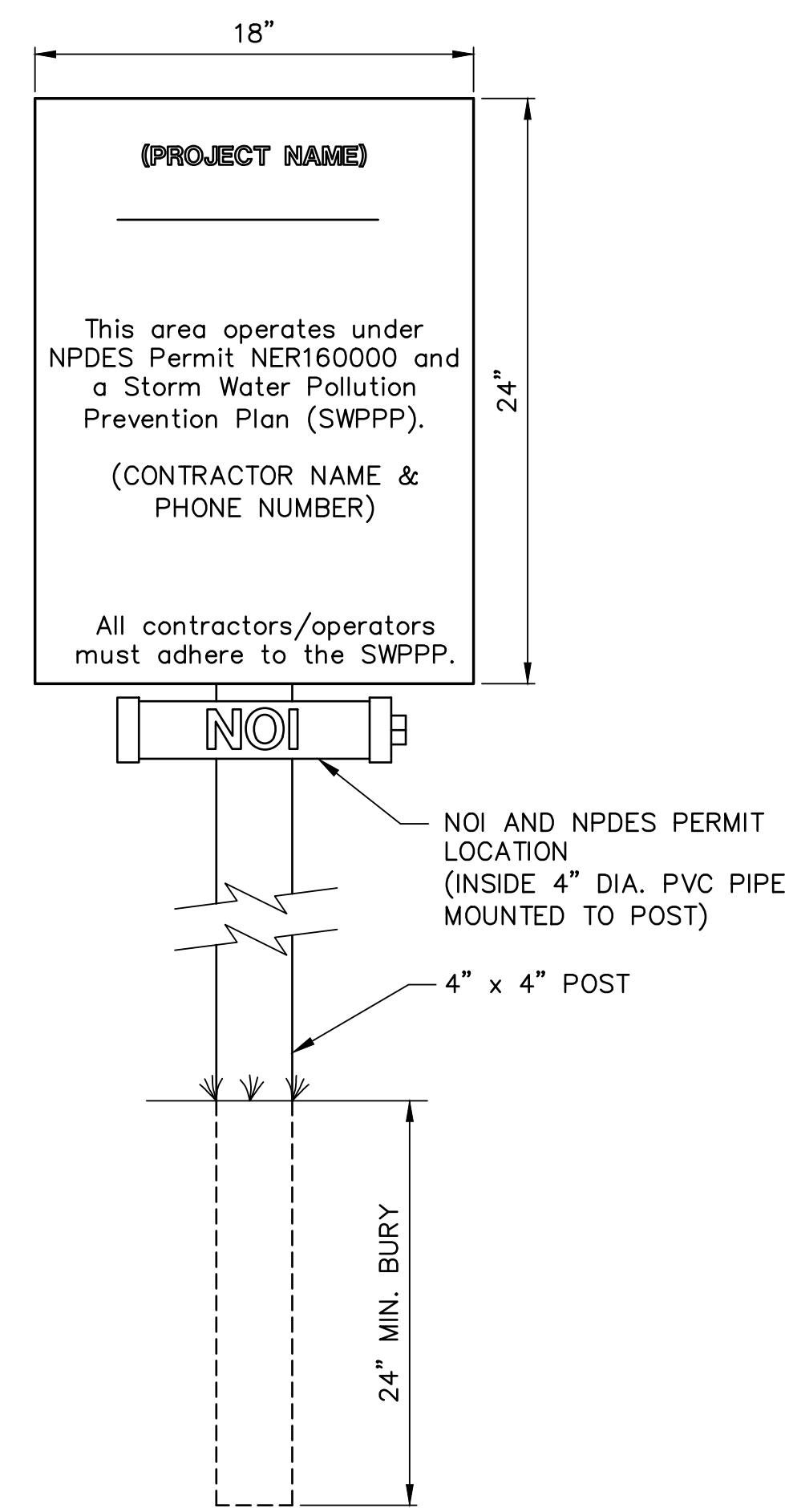


NOTES:

1. STONE SIZE— USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH— AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
3. THICKNESS— NOT LESS THAN 6".
4. WIDTH— 12' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH— WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER— ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTED ENTRANCE SHALL BE PIPED ACROSS THE ENTRANCE.
7. MAINTENANCE— THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING— WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS TO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH DRAIN.

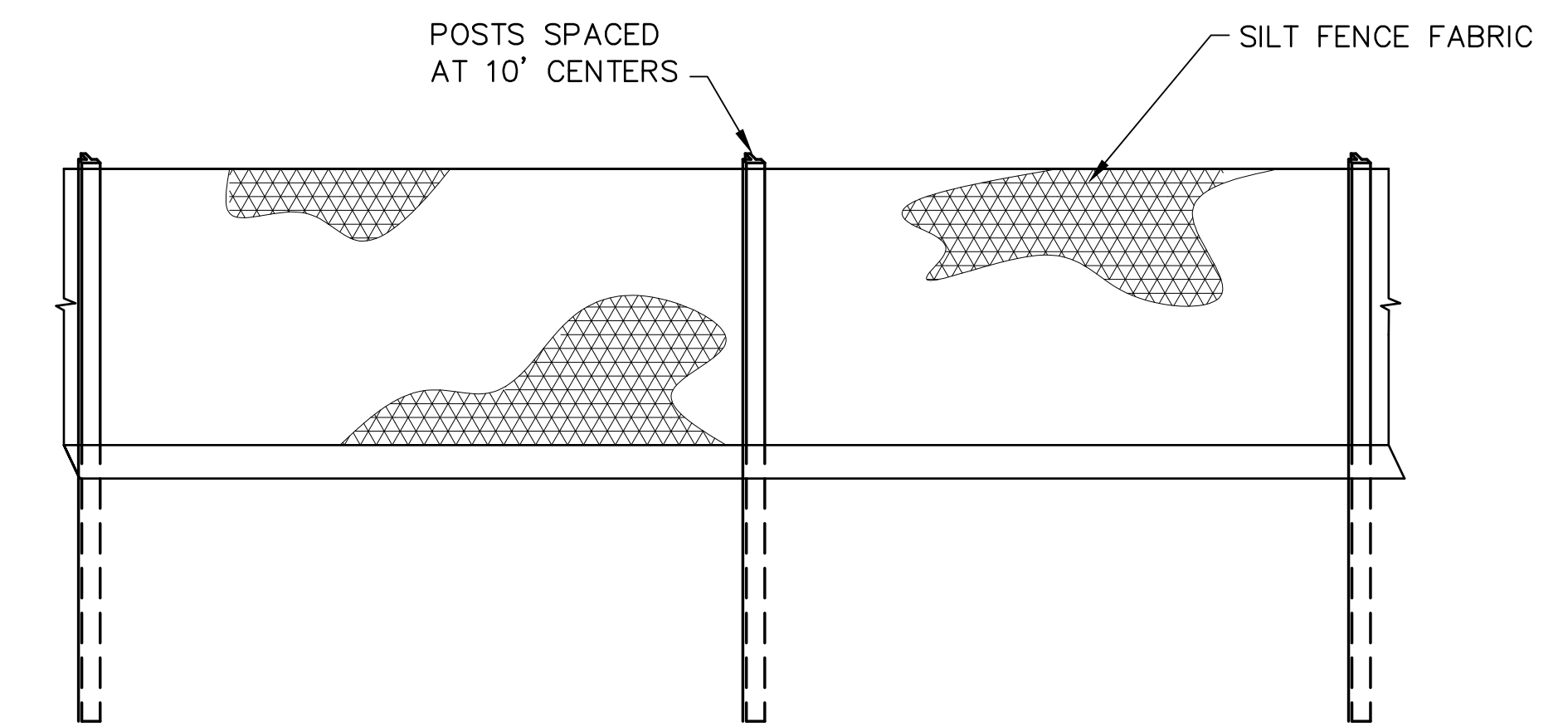
ROCK ENTRANCE ROAD DETAIL

NO SCALE



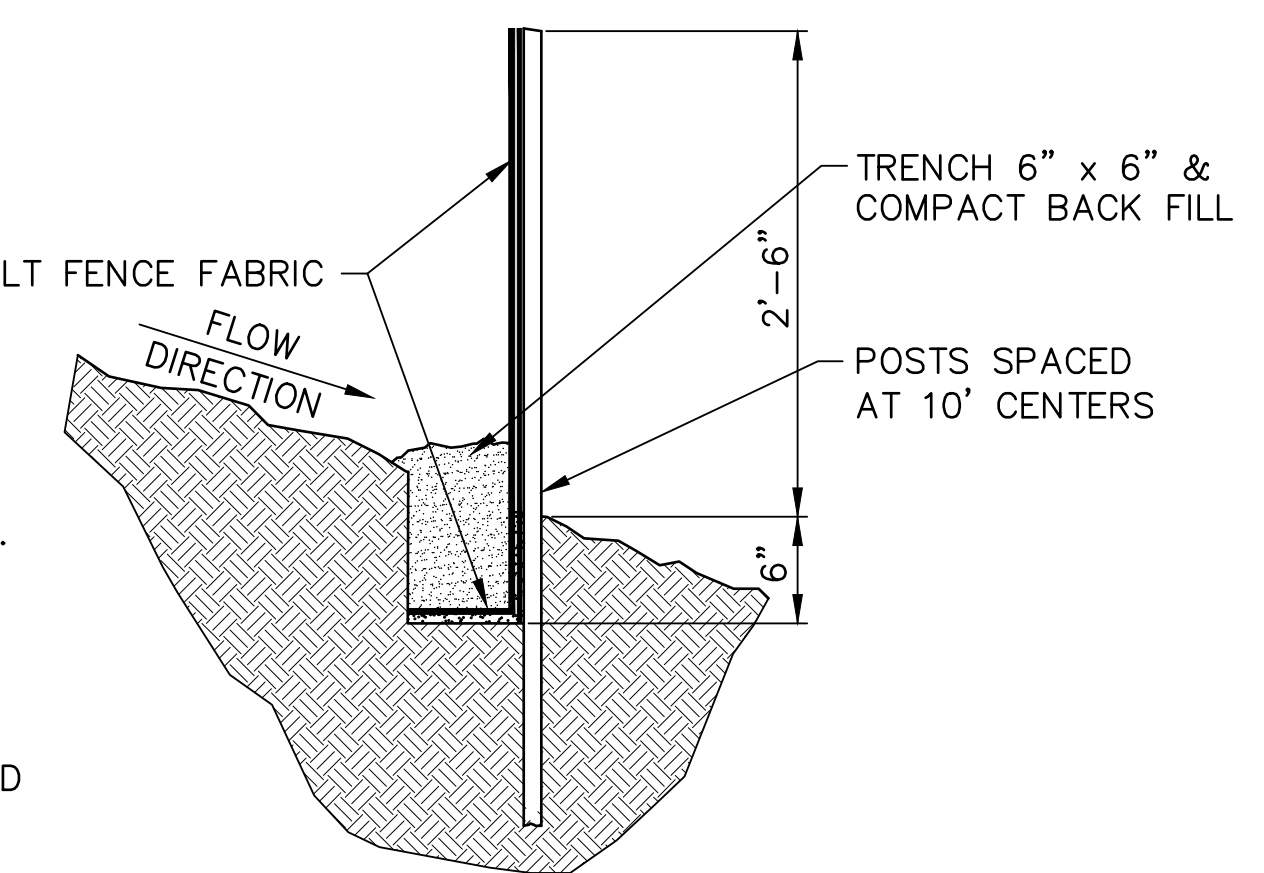
SWPPP & PERMIT SIGN

NO SCALE



INSTALLATION:

1. DIG A 6" X 6" TRENCH.
2. PLACE POSTS INTO GROUND WITH FABRIC ON UPSTREAM SIDE OF POST, PLACE FABRIC IN TRENCH.
3. USE EXCAVATED SOIL TO BACK FILL TRENCH.
4. WHEN CONNECTING TWO SECTIONS OF FABRIC OVERLAP A MINIMUM OF 6' AND USE 2 COMMON POSTS ON SPLICE.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL SHALL BE REMOVED WHEN 1/3 OF THE EXPOSED FABRIC IS COVERED.



STANDARD SILT FENCE

NO SCALE

Revision/Issue	Date

EROSION CONTROL DETAILS

Project Number: 2235
Date: NOVEMBER 4, 2022

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Sheet Number:

Code Information:

IBC-2018

Building Attributes:		New
Building Height (Stories):	1	
Building Height (Feet):	22'-0"	
Total Building Area per floor (Exterior face of exterior wall)		
Second Floor	0,000 SF	
Ground Floor	15,210 SF	
Basement	0,000 SF	
Occupancy Classification		
	A-2 Assembly (Unconcentrated)	
	B Business	
Incidental Use: No		
Accessory Use: No		
Type of Construction		
	V-B	
	New	
Automatic Fire Sprinkler System		
	Provided	
Allowable Maximums:		
XX-X Construction Area		
Building Height (Stories):	2	
Building Height (Feet):	40'-0"	
Building Area (per floor):	6,000	
	4,500 SF (4 side Frontage Increase)	
	12,000 SF (Sprinkler Increase)	
Total Allowable Area	22,500 SF	

NFPA, LSC 2012 EDITION

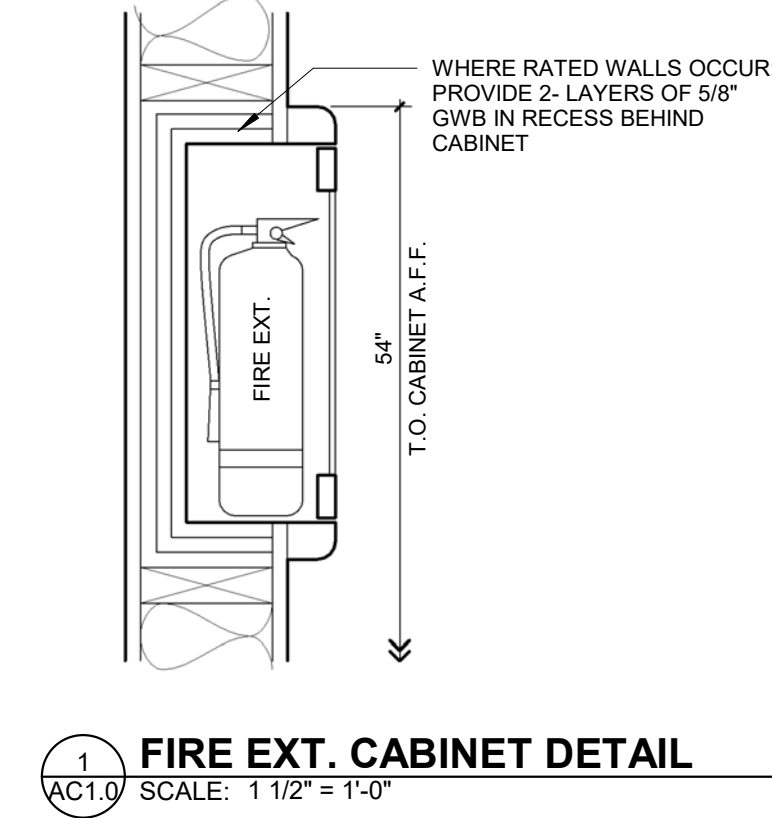
Occupancy Classification		A-2 Assembly
Type of Construction		
	V-B New	
Fire Protection Systems:		
	Fire Alarm System With:	
	Manual Pull Stations	
	Smoke Detection	
	Visible Alarm Notification Appliances	
	Portable Fire Extinguishers	

CODE PLAN LEGEND

- 1 HR SMOKE BARRIER
 - SEE PLAN FOR WALL TYPES
 - EXTEND FROM FINISHED FLOOR TO BOTTOM OF ROOF ASSEMBLY ABOVE
 - IBC 407.4
 - NFPA 101 SEC. 18.3.7.1
- 1 HR FIRE BARRIER (IBC) - EXTEND RATING FROM FLOOR ASSEMBLY UP TO ROOF ASSEMBLY
 - A. 1-Hour rated fire-resistive vertical (floor to floor or roof deck) and/or horizontal (floor) construction with 3/4-hour rated doors (1-hour for penetrations through shaft and exit enclosures). Automatic-closing doors shall have smoke-detector-activated (S-D-A) magnetic hold-open devices per IBC 715.4.8.3. All S-D-A automatic-closing doors and smoke dampers shall be activated by actuation of any fire alarm device or sprinkler system, when required, and power failure. Aggregate width of all openings shall not exceed 25% of the length of the wall and single openings shall not exceed 156 square feet. Openings not limited to 156 square feet where adjoining floor areas are equipped throughout with an automatic sprinkler system. Openings shall not be limited to 156 square feet or an aggregate width of 25% of the length of the wall where the opening protective has been tested in accordance with ASTM E 119 or UL 263 and has a minimum fire-resistance rating not less than the fire-resistance rating of the wall.
 - B. 3/4-Hour doors may 3/4-Hour fire protective glass up to the maximum size tested. 1-Hour doors may have up to 100-square-inches of fire-protection-rated glass or must be fire-resistance rated glazing if in excess of 100-square inches.
 - C. Duct and air transfer openings shall be protected by approved fire dampers. Fire dampers are not required at walls penetrated by ducted HVAC system (supply, return or exhaust air) having a required fire-resistance rating of 1 hour or less, are in areas of other than Group H and in buildings equipped throughout with an automatic sprinkler system. Duct system shall be constructed of sheet metal not less than No. 26 gauge thickness and shall be continuous from the air-handling appliance or equipment to the air outlet and inlet terminals.
 - D. Seal around all through penetrations (ducts without fire and/or smoke dampers, pipes and conduit penetrations, etc) with an approved penetration firestop system installed as tested in accordance with ASTM E 814 or UL 1479. Fire and/or smoke dampers at duct penetrations shall be mounted and sealed in wall with factory fabricated sleeves and perimeter mounting angles. Seal top of wall to floor or roof deck with an approved fire-resistive joint system tested in accordance with ASTM E 1966 or UL 2079 (sealing insulation with continuous sealant at joints as detailed and as specified in Division 07 Specification Section "Firestopping").
- SMOKE PARTITION (LS) - EXTEND RATING FROM FLOOR ASSEMBLY UP TO ROOF ASSEMBLY
 - A. A non fire-rated partition (floor to roof deck) and/or horizontal (wall or floor) construction with no opening protection required other than to limit the transfer of smoke. (LSC 8.2.4) Corridor door assemblies from Classrooms are not required to be rated and not required to be automatic-closing or self-closing but must be latching. Corridor door assemblies from rooms other than normally occupied Classrooms are not required to be rated but must be automatic-closing or self-closing and latching. (NE State Fire Marshal Interpretation Number 07.04) Any provided automatic-closing doors that are desired to be held open shall have smoke detector-activated (S-D-A) magnetic hold-open devices. Doors and window assemblies may have unlimited size glass panels complying with safety glazing requirements of IBC Section 2409. Smoke dampers are required at air transfer openings and shall close upon detection of smoke by approved smoke detectors installed in accordance with NFPA 72. All S-D-A automatic-closing doors and smoke dampers shall be activated, by actuation of the fire alarm system and power failure.
 - B. Seal top of wall to floor or roof deck with noncombustible sealants continuously applied to resist the passage of smoke from one side of the wall to the other. See Drawings for details and Division 07 Specification Section "Joint Sealers" for materials.
 - C. The space around penetrating items shall be filled with a material to resist the passage of smoke. See Division 07 Specification Section "Joint Sealers" for sealants.

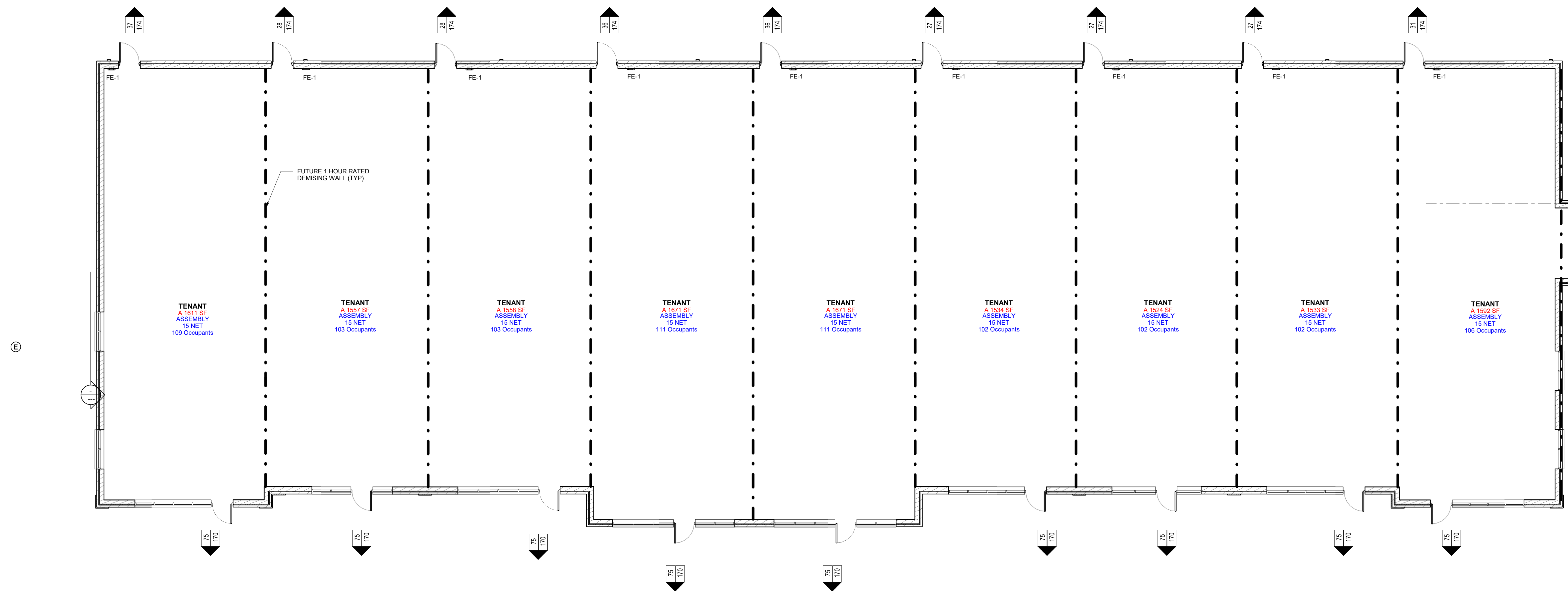
CODE PLAN NOTES

1. ALL WALLS OF FIRE-RESISTIVE CONSTRUCTION SHALL EXTEND FROM FINISHED FLOOR TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE.
2. INSTALL TAPE AND JOINT COMPOUND FOR ALL JOINTS IN ALL G/WB WALLS AND CEILINGS.
3. INSTALL FIRE SEALANT/PENETRATION FIRESTOPPING SYSTEM TO ALL PENETRATIONS IN RATED WALLS AND ROOF/FLOOR ASSEMBLIES. EACH CONSTRUCTION TRADE IS RESPONSIBLE FOR SEALING ALL PENETRATIONS/OPENINGS WITH THE APPROPRIATE SYSTEM AS PER PENETRATION FIRESTOPPING SPECIFICATIONS IN PROJECT MANUAL.
4. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH FIRE SAFING INSULATION OR FIRESTOPPING MATERIALS AS REQUIRED TO MEET FIRE RATING OF RESPECTIVE WALLS.
5. IDENTIFY ALL RATED WALLS IN ACCESSIBLE CONCEALED CEILING SPACES (PLENUMS). PROVIDE 1 INCH HIGH PAINTED STENCILED LETTERS ON EACH VISIBLE FACE OF WALL REPEAT AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY. LETTERING TO IDENTIFY WALL RATING, INCORPORATING THE SUGGESTED WORDING: "2-HR FIRE WALL - PROTECT ALL OPENINGS".



EGRESS SYMBOL LEGEND

- 0 0 — COMBINED OCCUPANT LOAD AT A GIVEN DOOR OR STAIR TOTAL EXIT CAPACITY OF DOOR OR STAIR
 - 0 0 — COMBINED OCCUPANT LOAD AT A GIVEN DOOR (SUM OF THESE EQUALS TOTAL OCCUPANT LOAD) TOTAL EXIT CAPACITY OF DOOR(S)
- CAPACITY IS DETERMINED AS FOLLOWS:
 DOOR CLEAR WIDTH IN INCHES DIVIDED BY 0.2
 STAIR CLEAR WIDTH IN INCHES DIVIDED BY 0.3



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



Revision/Issue	Date

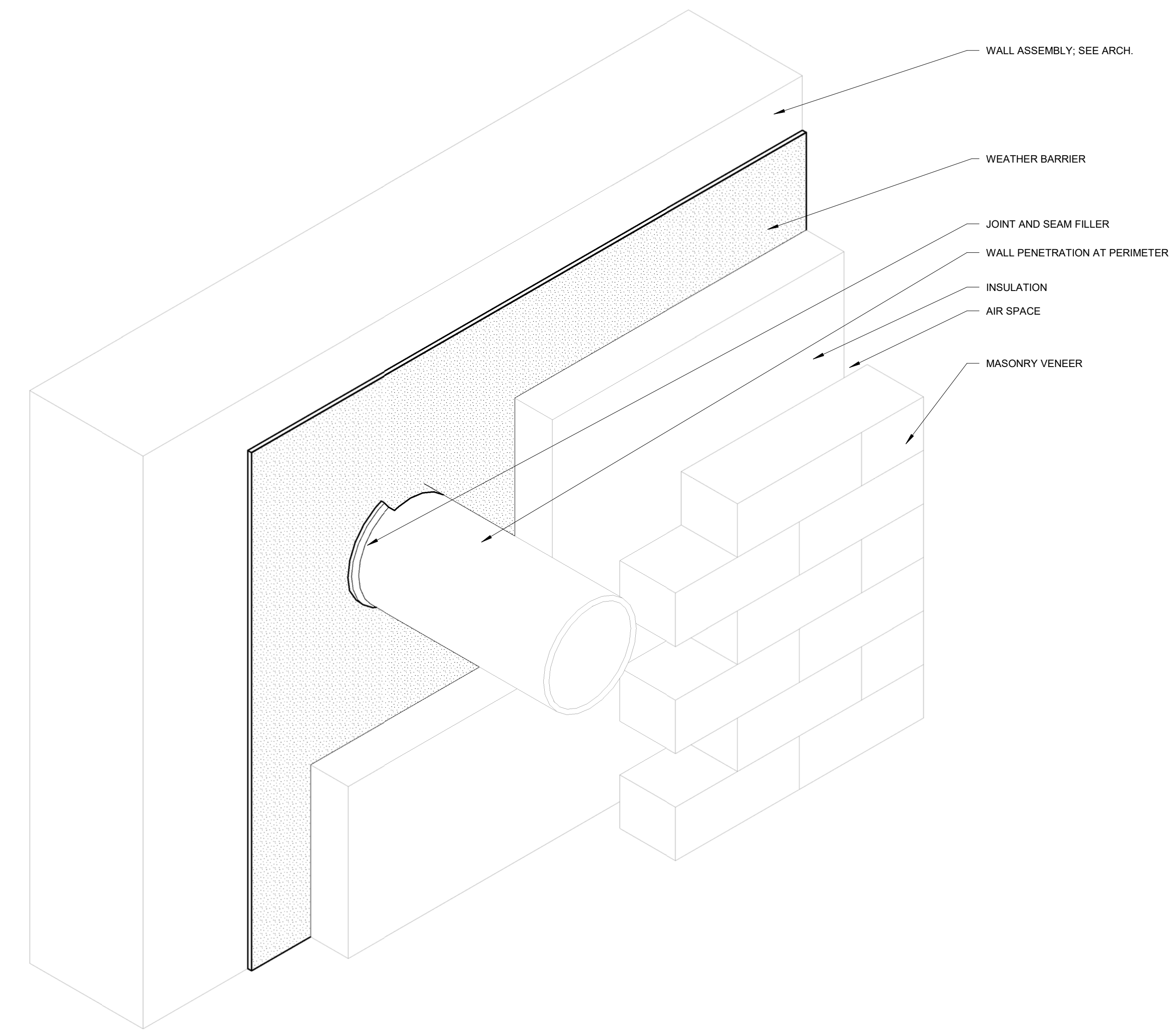
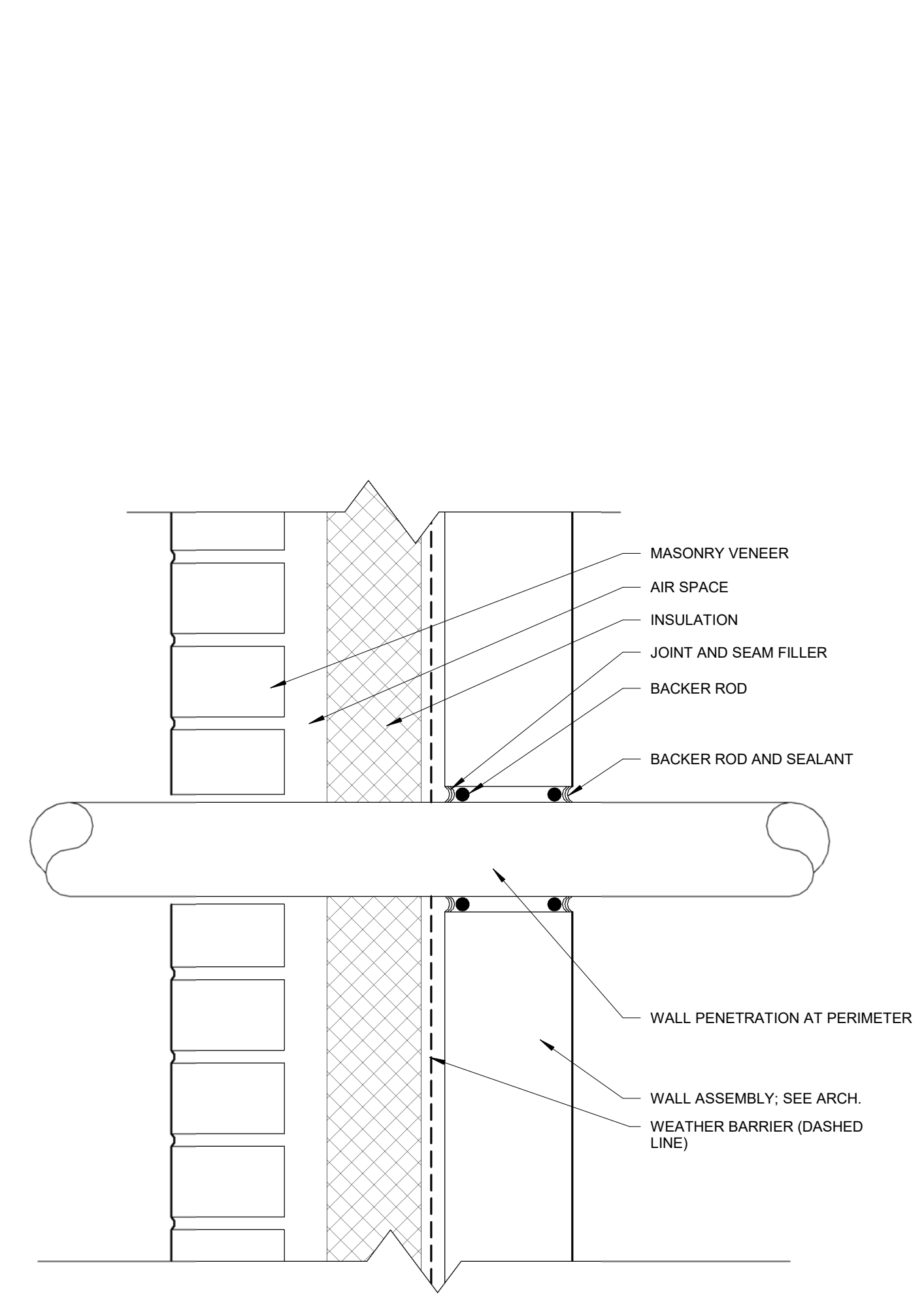
Overall Floor Plan & Code Information

Project Number: 2235
 Date: November 4, 2022

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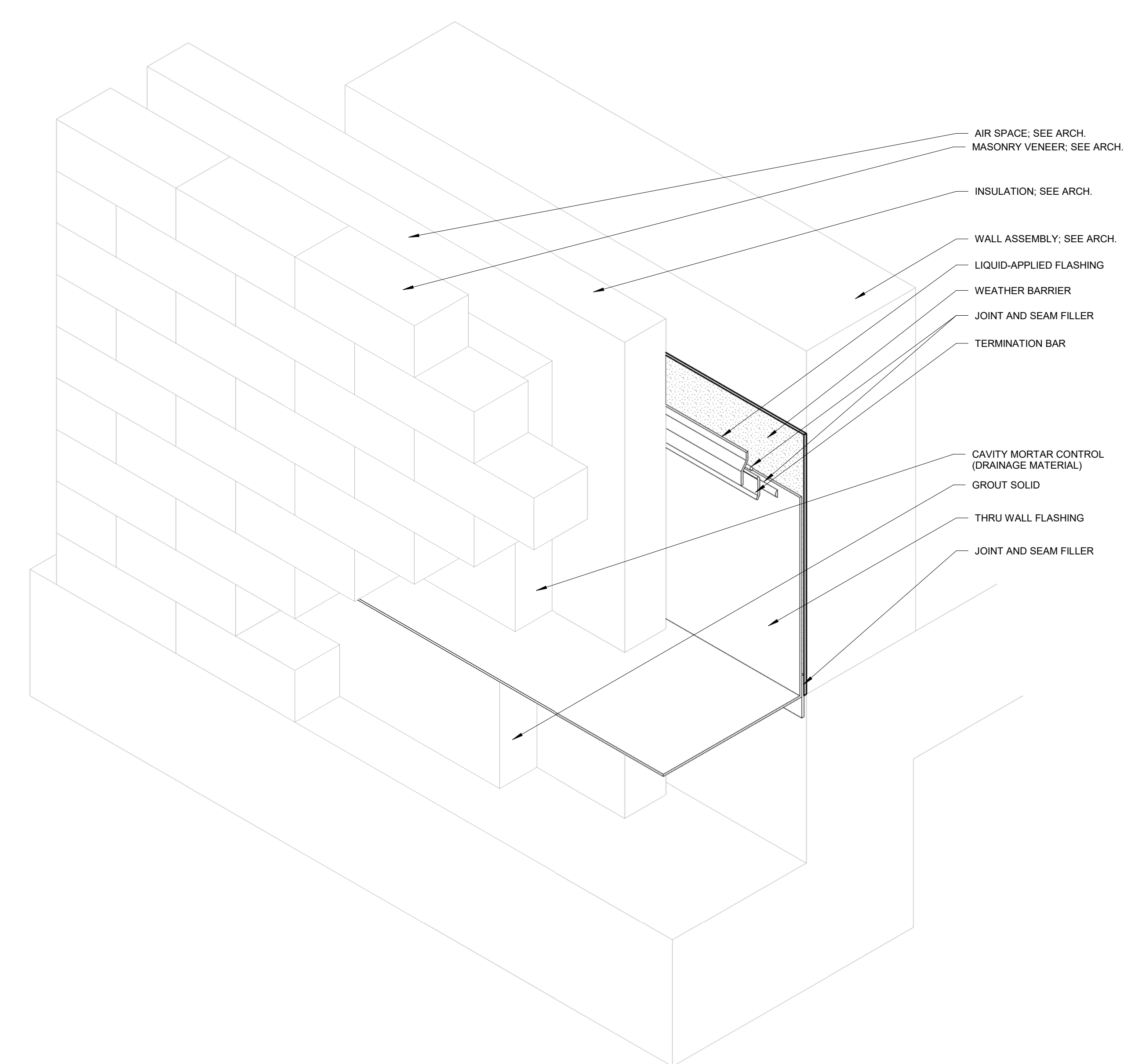
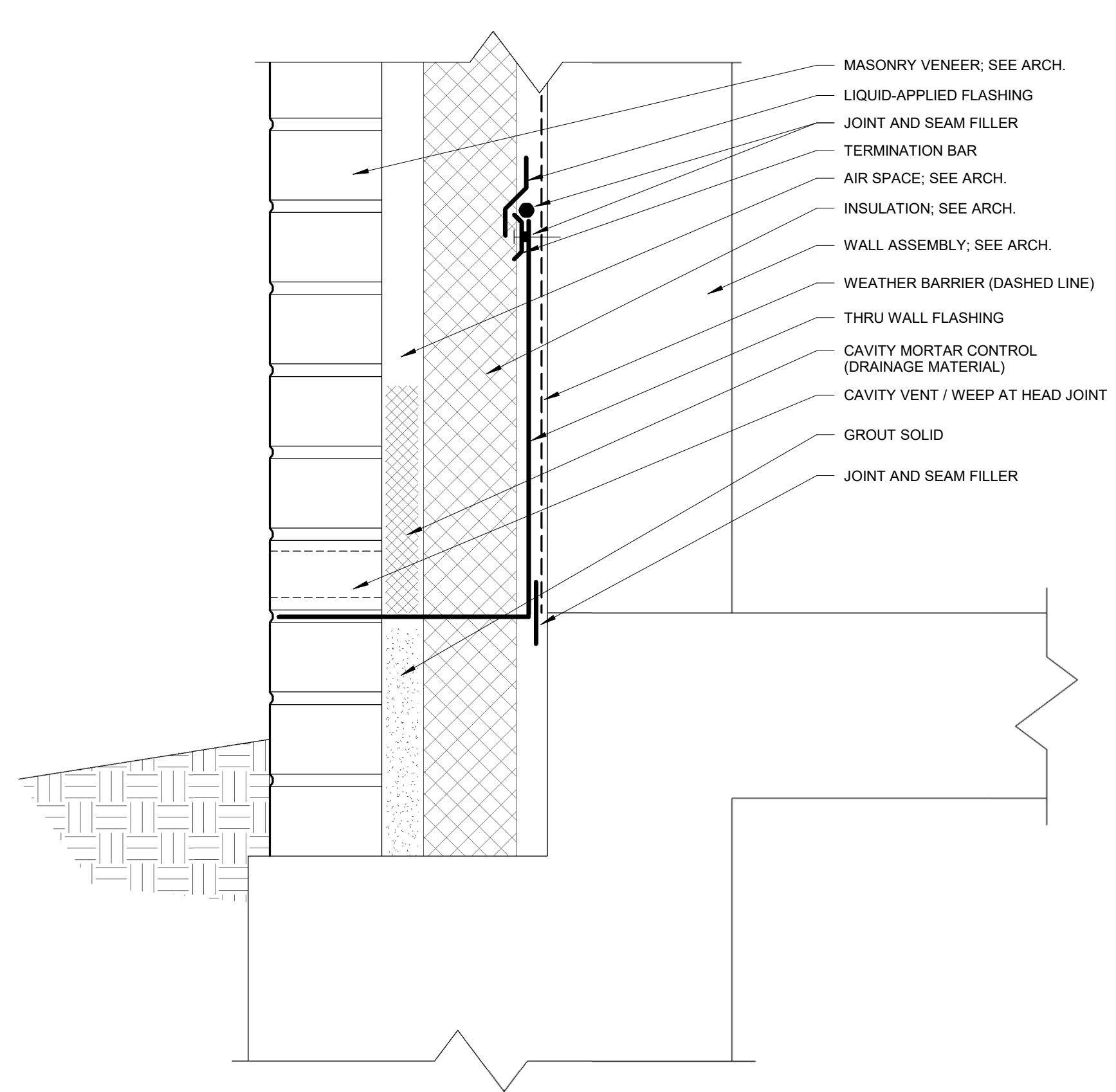


1

 A0.1

TYPICAL WALL PENETRATION

 SCALE: 3" = 1'-0"



2

 A0.1

TYPICAL EXTERIOR BASE OF WALL FLASHING

 SCALE: 3" = 1'-0"

Community Development Agency of Lexington, NE

NEW COMMERCIAL BUILDING

 Lexington, NE

Revision/Issue	Date

General Weather Barrier Details

Project Number: 2235

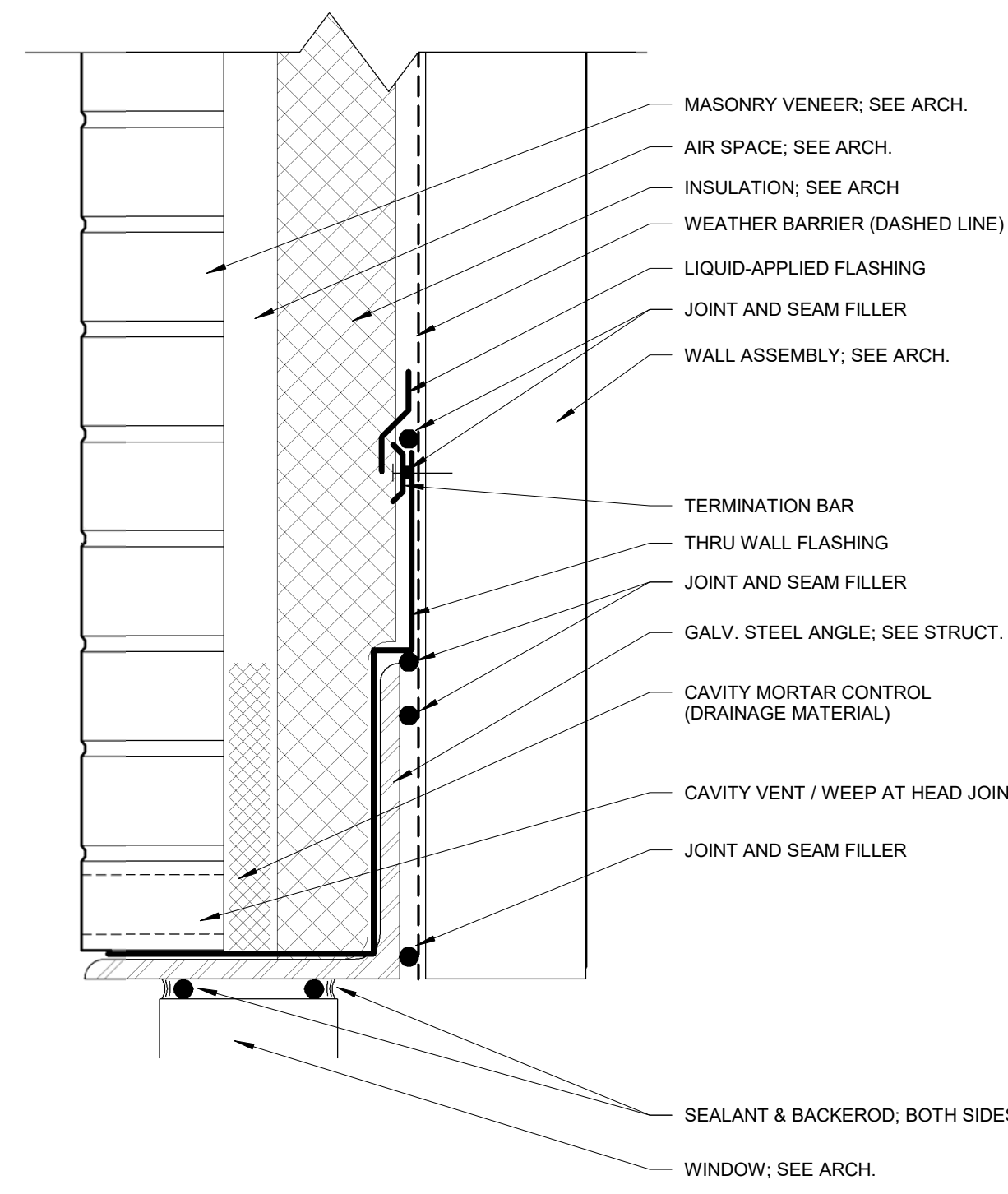
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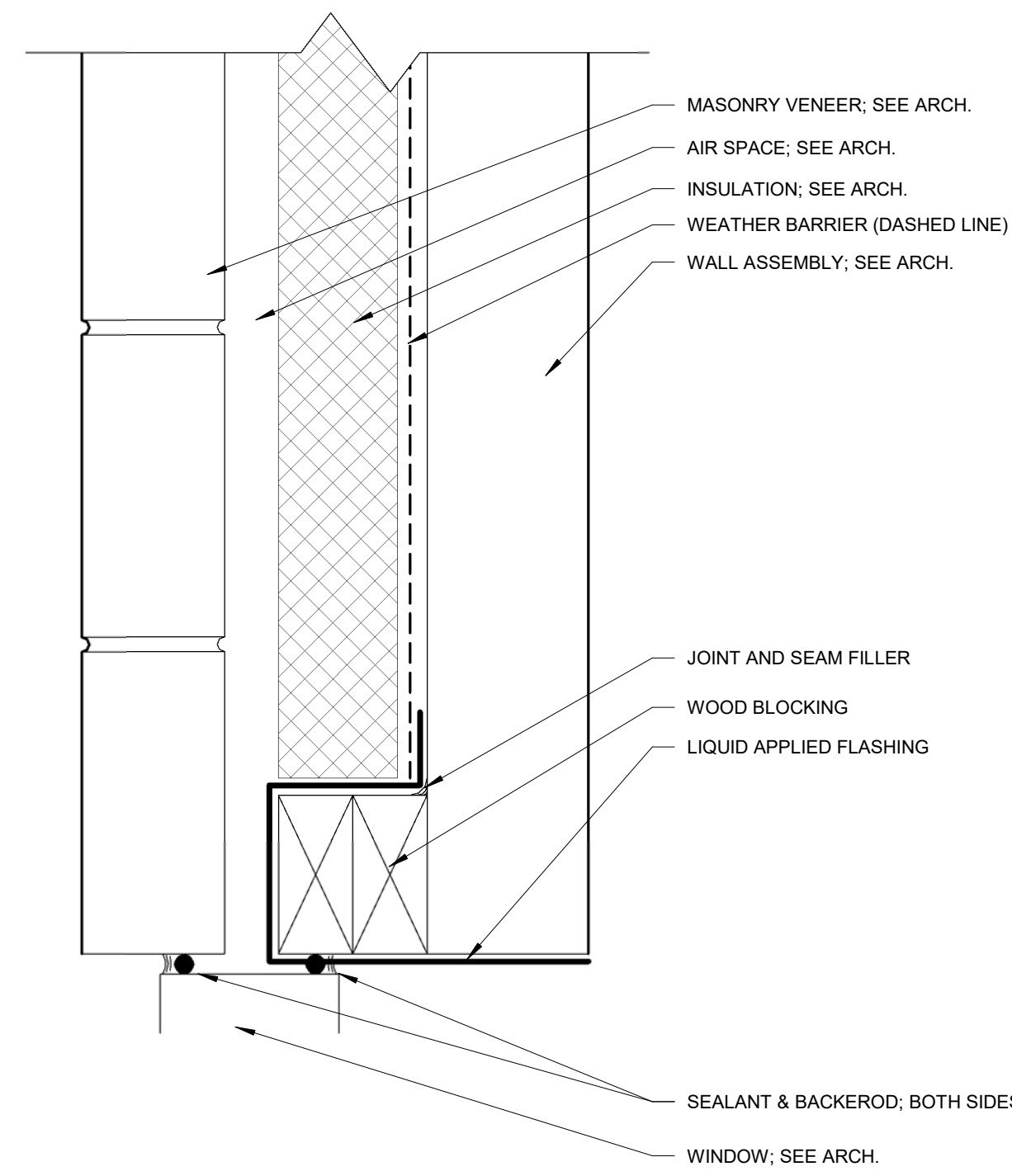
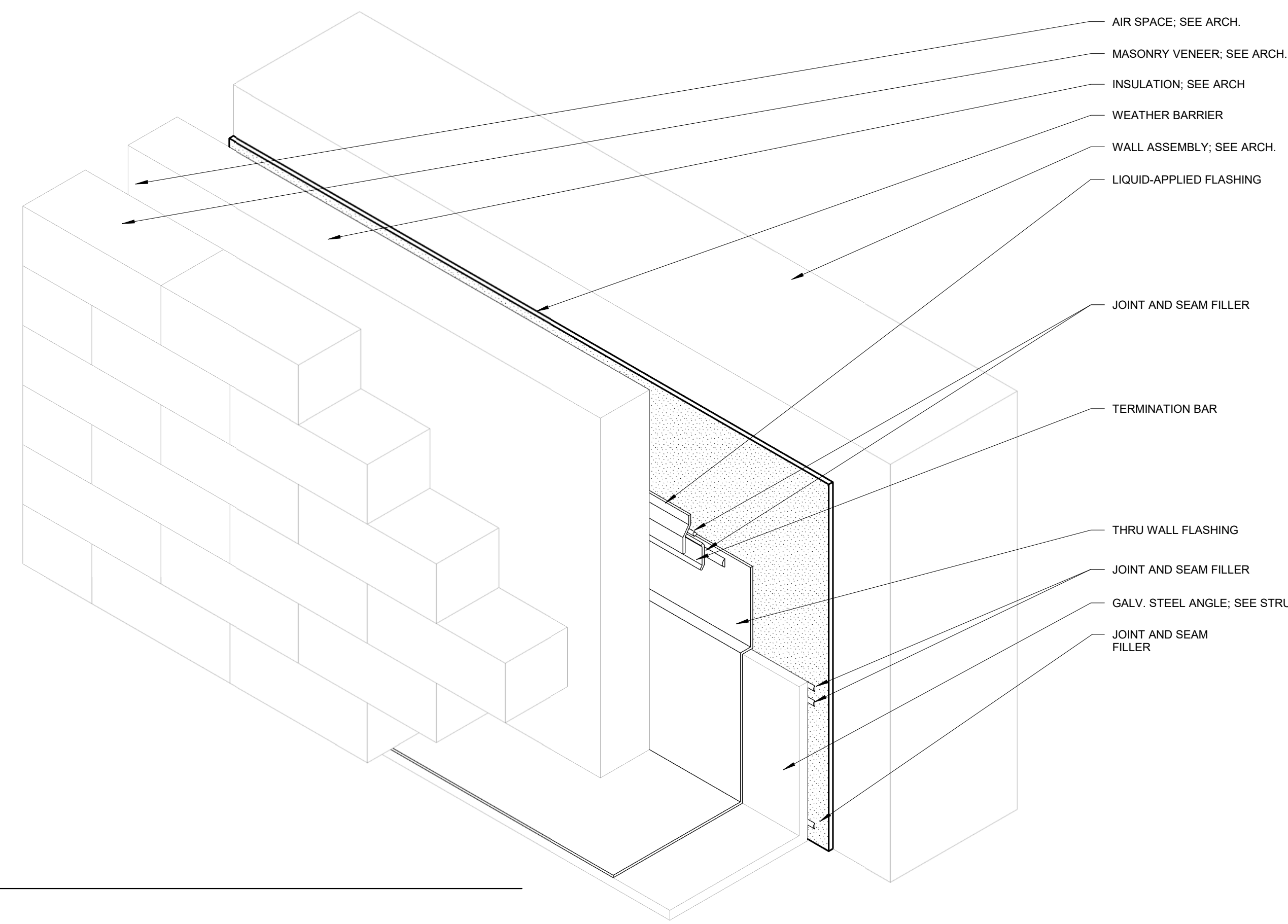


1

 A0.2

TYP EXTERIOR MASONRY OPENING - HEAD

 SCALE: 3" = 1'-0"

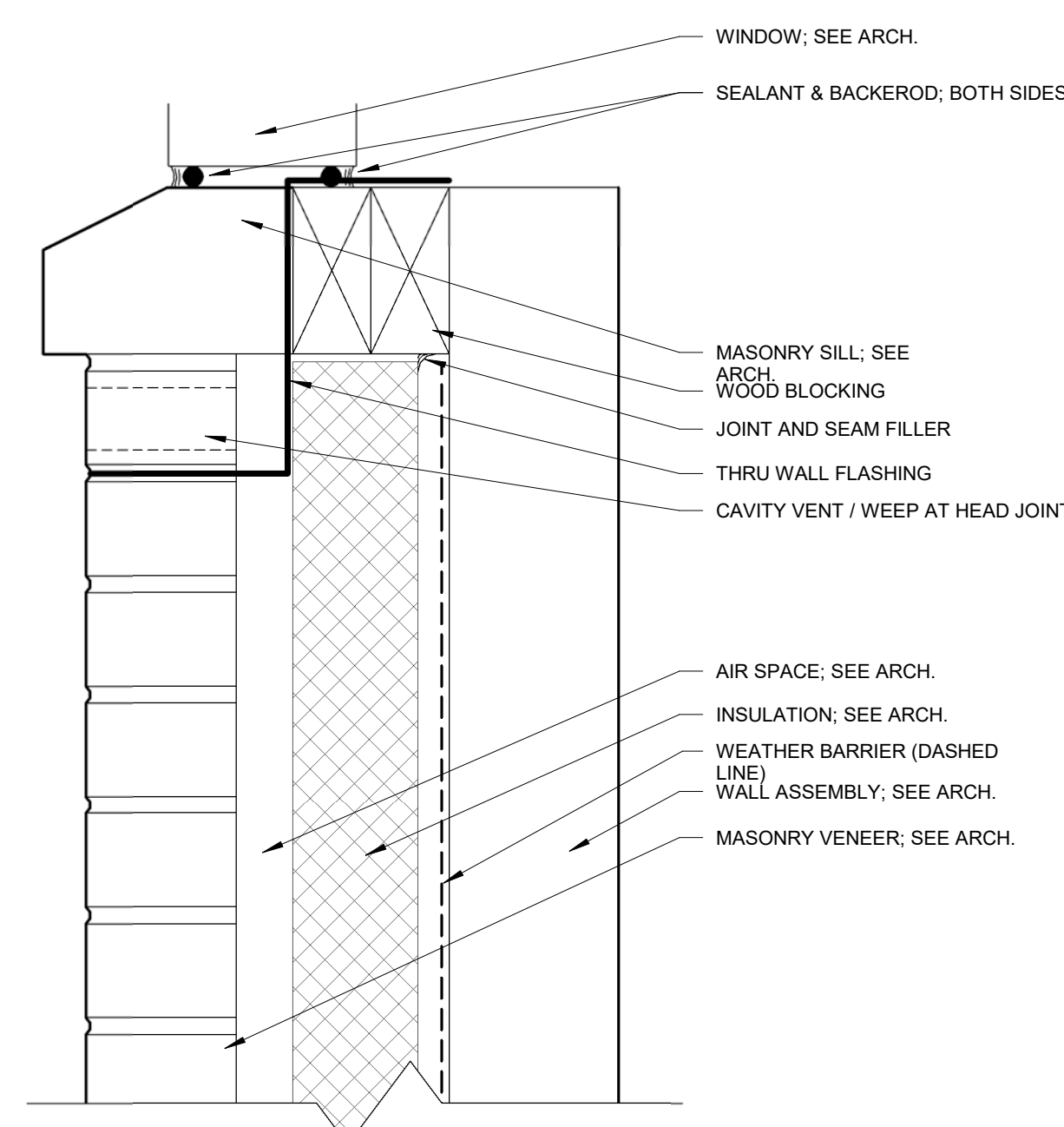
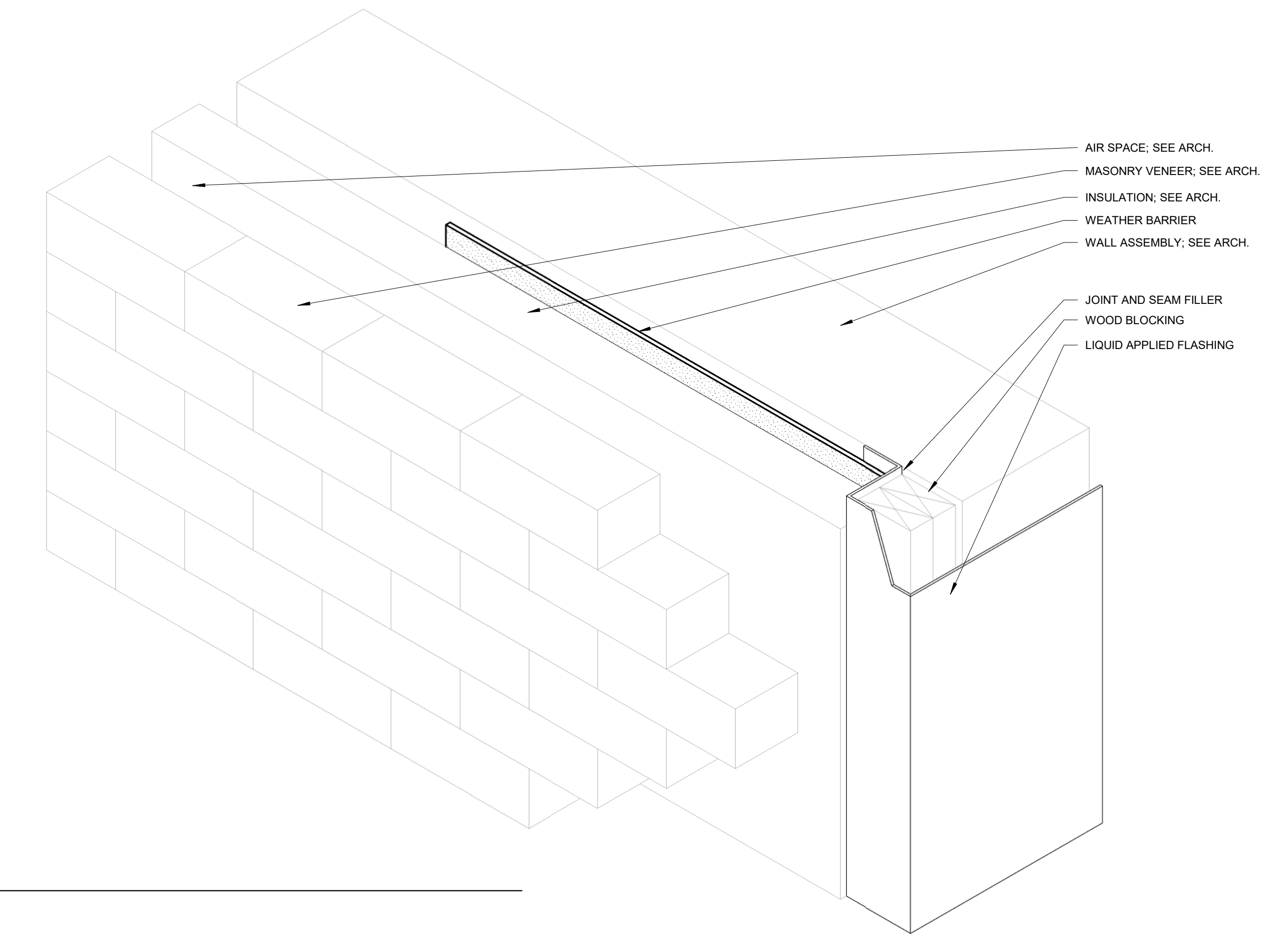


2

 A0.2

TYP EXTERIOR MASONRY OPENING - JAMB

 SCALE: 3" = 1'-0"

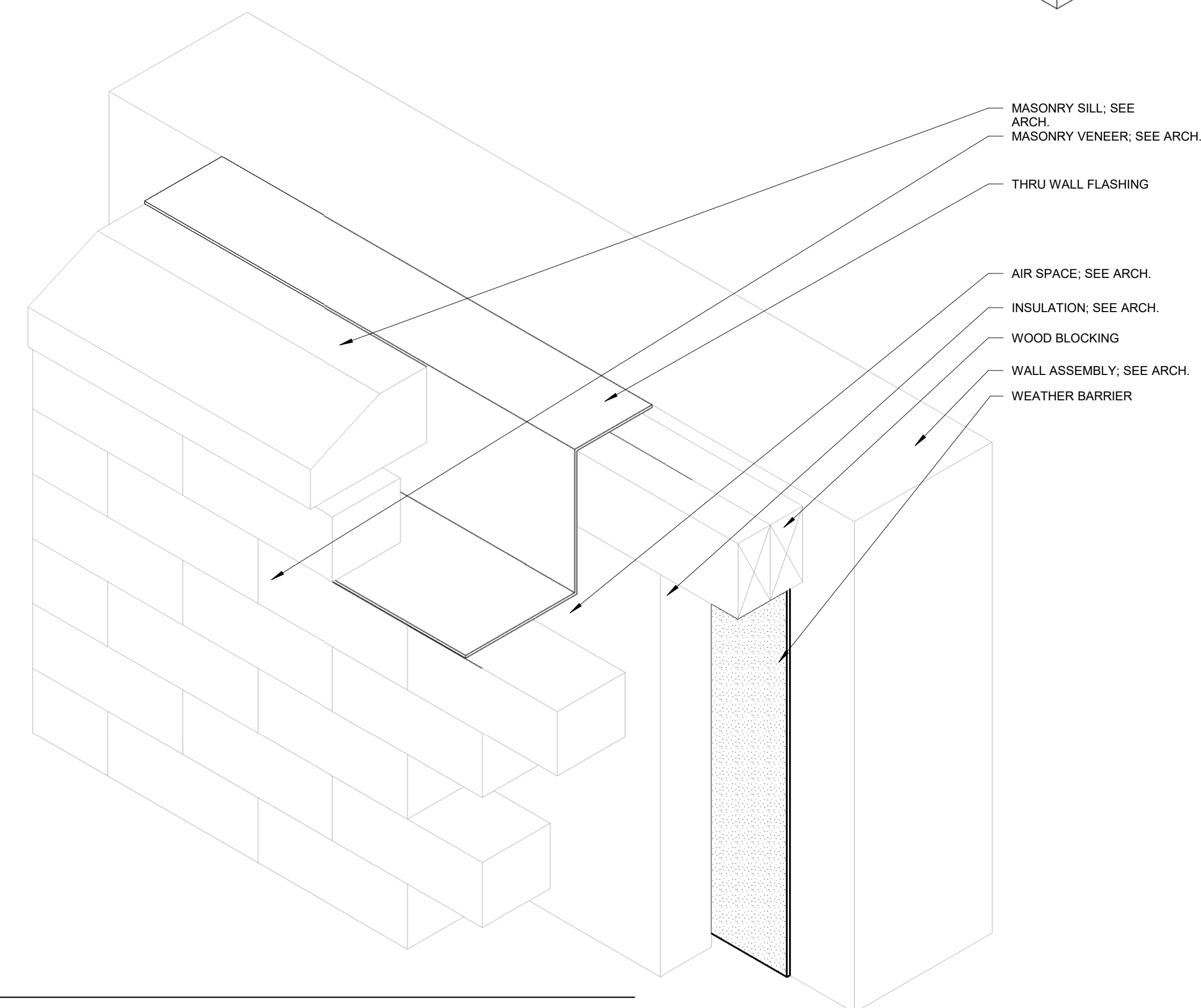


3

 A0.2

TYP EXTERIOR MASONRY OPENING - SILL

 SCALE: 3" = 1'-0"



Community Development Agency of Lexington, NE

NEW COMMERCIAL BUILDING

 Lexington, NE

Revision/Issue	Date

General Weather Barrier Details

Project Number: 2235

 Date: November 4, 2022

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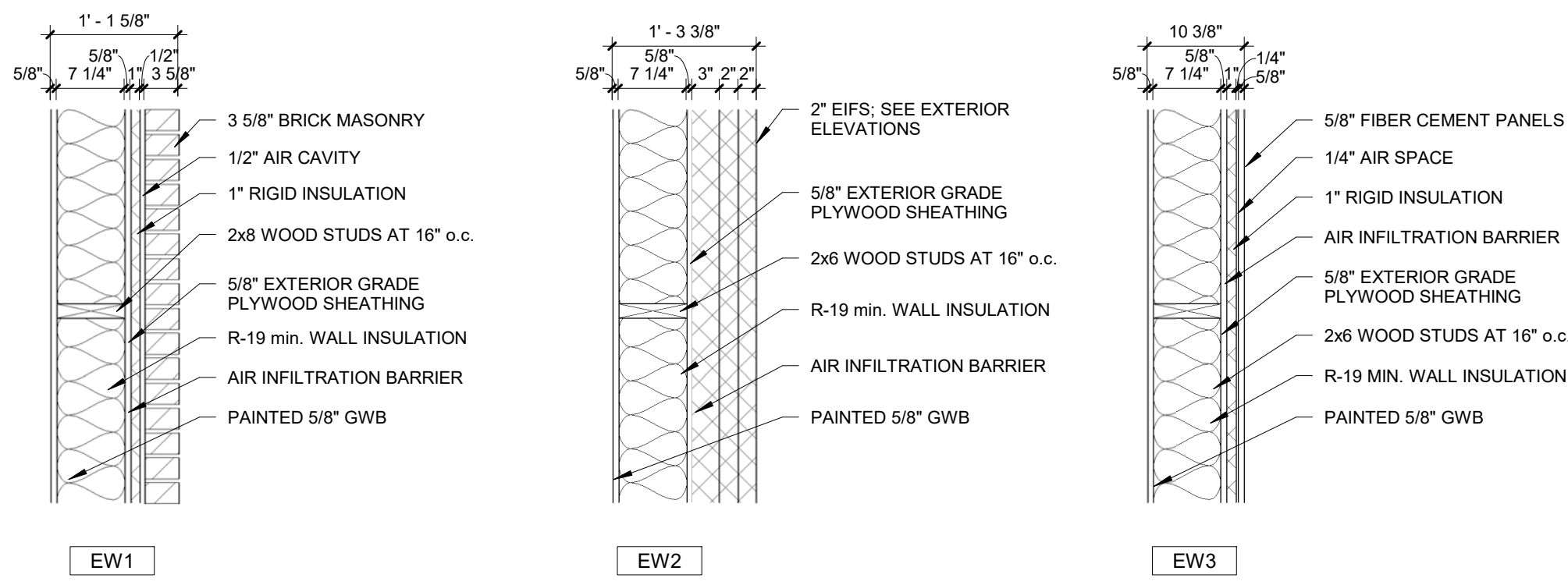
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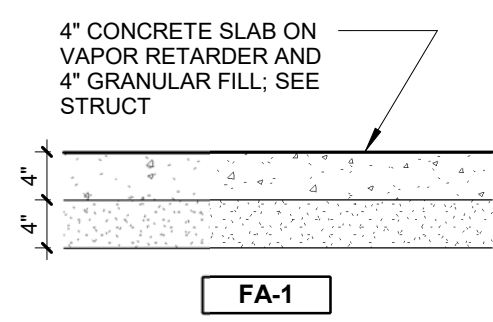
A0.2

EXTERIOR WALL ASSEMBLIES

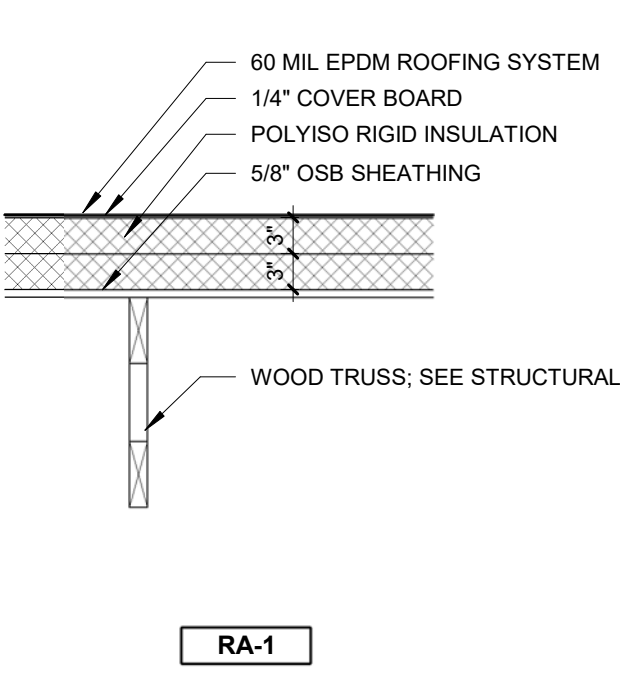
- NOTES
 1. REVIEW ALL SECTIONS AND DETAILS FOR NON TYPICAL ASSEMBLIES
 2. SEE GENERAL WEATHER BARRIER DETAILS FOR ADDITIONAL INFORMATION
 3. SEE PROJECT MANUAL FOR MATERIAL AND FINISH INFORMATION



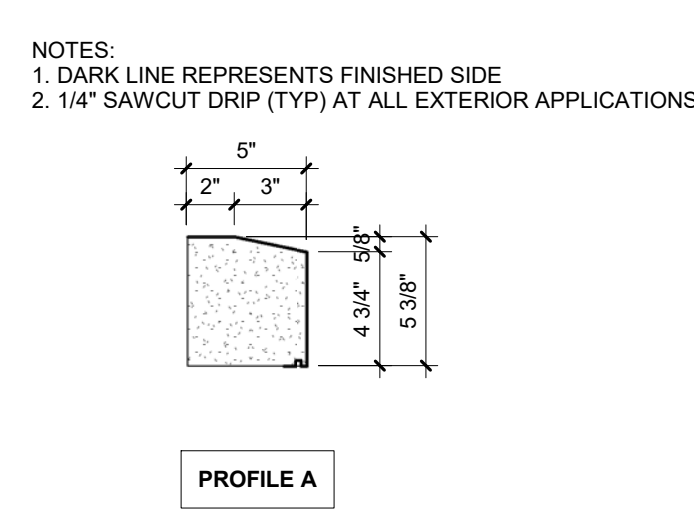
FLOOR ASSEMBLIES



ROOF ASSEMBLIES

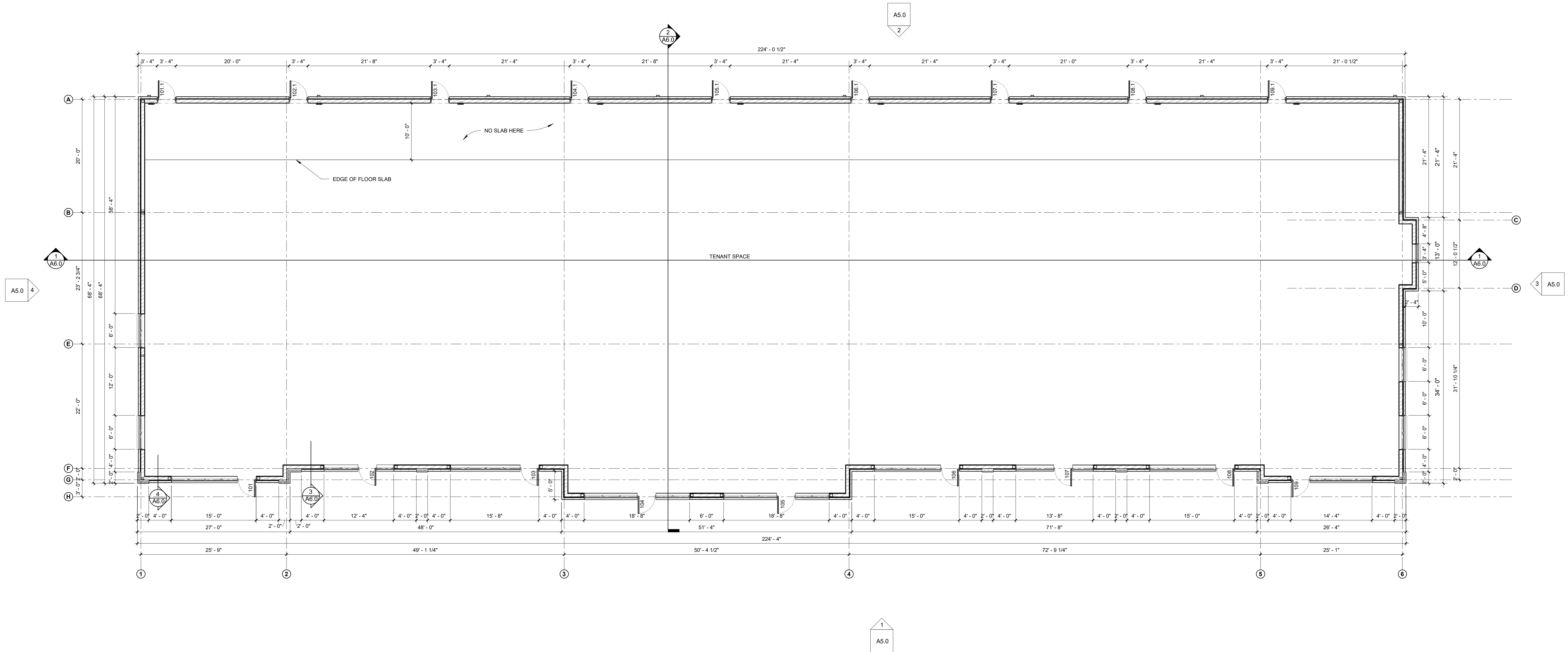


CAST STONE PROFILES



ARCHITECTURAL GENERAL NOTES

- GENERAL NOTES APPLY TO ALL SHEETS.
- REFERENCE GENERAL WEATHER BARRIER DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN ON WALL SECTIONS, EXTERIOR WALL DETAILS, DOOR DETAILS AND WINDOW DETAILS.
- SEAL ALL DISSIMILAR MATERIAL JOINTS WITH SEALANT AS SPECIFIED.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING CONCRETE AND MASONRY CONTROL JOINTS (CJ) WHERE INDICATED AND AS SPECIFIED.
- SCRIBE GYPSUM BOARD OF WALL AND PARTITIONS TO IRREGULARITIES OF DECK ABOVE. SEAL TIGHTLY AROUND ANY PARTITIONS. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH FIRE SAFING INSULATION OR FIRE STOPPING MATERIALS AS REQUIRED TO MEET FIRE RATING OF RESPECTIVE WALLS.
- SEE CODE PLAN AND FLOOR PLAN SHEETS FOR LOCATION OF WALLS OF FIRE-RESISTIVE CONSTRUCTION. ALL WALLS OF FIRE-RESISTIVE CONSTRUCTION SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE AND ACHIEVE PROPER FIRE-RESISTIVE RATING.
- SEAL ALL PENETRATIONS THROUGH ALL WALLS. RATED WALLS SHALL BE SEALED WITH FIRE STOPPING MATERIAL AS REQUIRED TO ACHIEVE THE RESPECTIVE FIRE-RESISTIVE RATING AND SMOKE STOPPAGE. SEE PROJECT MANUAL.
- GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
- THE OWNER SHALL BE RESPONSIBLE FOR ADHERING TO THE CONSTRUCTION SCHEDULE AS ESTABLISHED BY THE CONTRACTOR.
- CONTRACTOR SHALL COORDINATE WITH MECHANICAL AND ELECTRICAL SUB-CONTRACTORS SIZE AND LOCATION OF EQUIPMENT PADS. ALL HOUSEKEEPING PADS TO BE 4" RAISED SLABS AS DETAILED, UNLESS NOTED OTHERWISE.
- DIMENSIONS FOR DOOR AND WINDOW OPENINGS ARE SHOWN NOMINAL. ALLOW FOR 1/4"-INCH (10) SHIM AND SEALANT OF EXTERIOR FRAMES.
- ARCHITECTURAL FINISH FLOOR ELEVATION 102'-0" EQUALS ACTUAL SITE REFERENCE ELEVATION OF FINISH FLOOR 186.72 FEET.
- EXTEND FURRING CHANNELS AND GYPSUM BOARD UP TO UNDERSIDE OF MTL. DECK ON ALL WALLS, UNLESS NOTED OTHERWISE.
- SEE WALL SECTIONS, ENLARGED PLANS AND STRUCTURAL FOR EXTERIOR AND INTERIOR WALL CONSTRUCTION NOT SHOWN ON THE FLOOR PLANS.
- ALL EXTERIOR DIMENSIONS ARE TO FACE OF PRECAST, FACE OF METAL WALL PANEL, CAST-IN-PLACE CONCRETE FOUNDATION WALLS, OR CENTERLINE OF COLUMNS.
- ALL FIRE EXTINGUISHERS CABINETS (FE-1) TO BE MOUNTED WITH TOP OF CABINET AT 54" F.F. WITH BOTTLE CONTROLS NO HIGHER THAN 48".
- PROVIDE CONTROL JOINTS IN GWB WALLS ABOVE ALL DOOR FRAMES. PROVIDE CONTROL JOINTS AT BOTH CORNERS ON BOTH SIDES OF THE DOOR FRAME FROM TOP OF DOOR TO CEILING. PROVIDE CONTROL JOINTS AT ALL PAINT COLOR CHANGES/TRANSITIONS THROUGHOUT, BOTH VERTICAL AND/OR HORIZONTAL. ALL CONTROL JOINTS MUST TERMINATE AT ONE OF THE FOLLOWING: FLOOR, DOORFRAME, CEILING, OR ADJACENT PERPENDICULAR WALL.
- ALL STRUCTURAL STOOPS TO HAVE 1/50 SLOPE (MAX.). SEE STRUCTURAL.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT ALL DOORS CLEAR AT VARIOUS FLOOR FINISH THICKNESSES, TRANSITIONS, AND REDUCERS. AT ALL LOCATIONS, TRANSITION AND REDUCER TO BE PROVIDED AT ALL DISSIMILAR FLOORING TYPE TRANSITIONS. SEE ROOM FINISH GENERAL NOTES.
- CONTRACTORS ARE REQUIRED TO SCHEDULE A "MEET ME LOCATE" FROM DIGGERS HOTLINE OF NEBRASKA (NEBRASKA ONE CALL) 1-800-331-5666 PRIOR TO BEGINNING ANY EXCAVATION OR WORK ON THE PROJECT SITE. ATTENDANCE IS REQUIRED BY CONSTRUCTION MANAGER/OWNER'S REPRESENTATIVE, PERTINENT CONTRACTORS, AND ALL UTILITY COMPANIES.
- CONTRACTOR SHALL COORDINATE WITH ELECTRICAL SUB-CONTRACTORS FOR SIZE AND LOCATIONS OF PLYWOOD REQUIRED FOR WALL MOUNTED EQUIPMENT; ALL PLYWOOD TO BE PAINTED (COLOR TO MATCH WALL FINISH); SEE DETAIL ON ELECTRICAL DRAWINGS.
- PROVIDE AND INSTALL FOAMED-IN-PLACE INSULATION AT ALL EXTERIOR WALL CREVICES, EXTERIOR HOLLOW METAL DOOR FRAMES, RIGID INSULATION OPEN JOINTS AND CRACKS AND JUNCTIONS OF DISSIMILAR EXTERIOR WALL AND ROOF CONSTRUCTION.



Revision/Issue	Date

Overall Floor Plan

Project Number: 2235
 Date: November 4, 2022

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Sheet Number:



Community Development Agency of Lexington, NE
NEW COMMERCIAL BUILDING
Lexington, NE

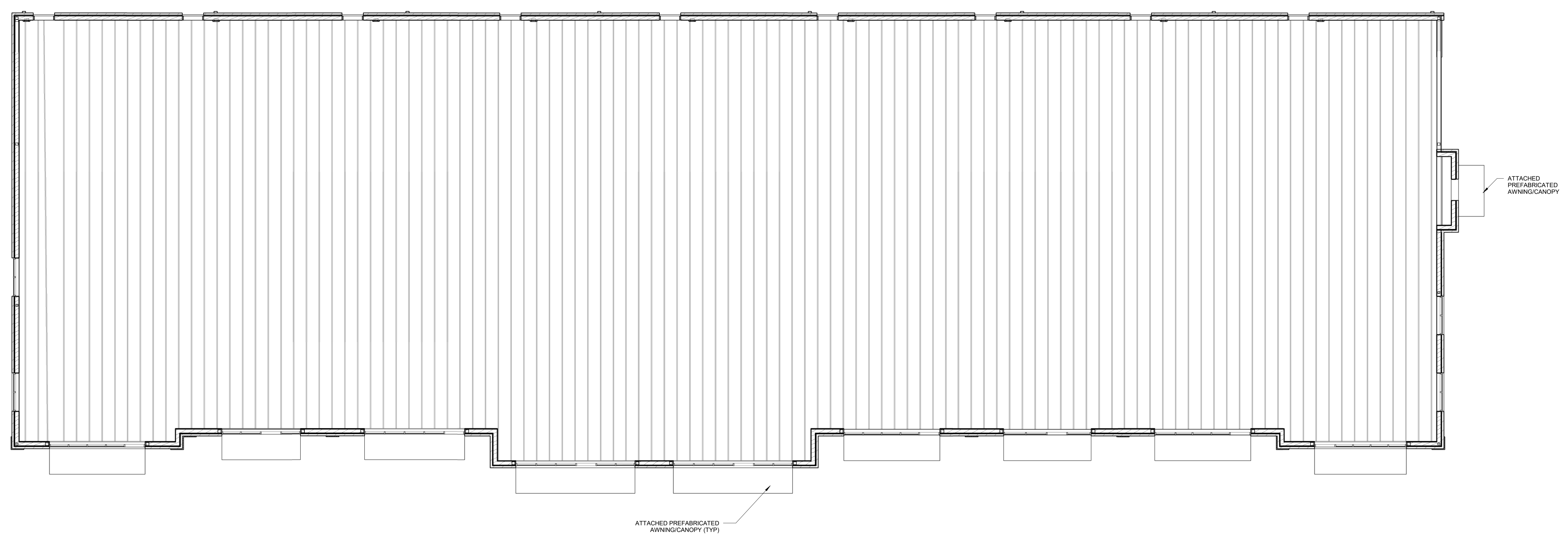
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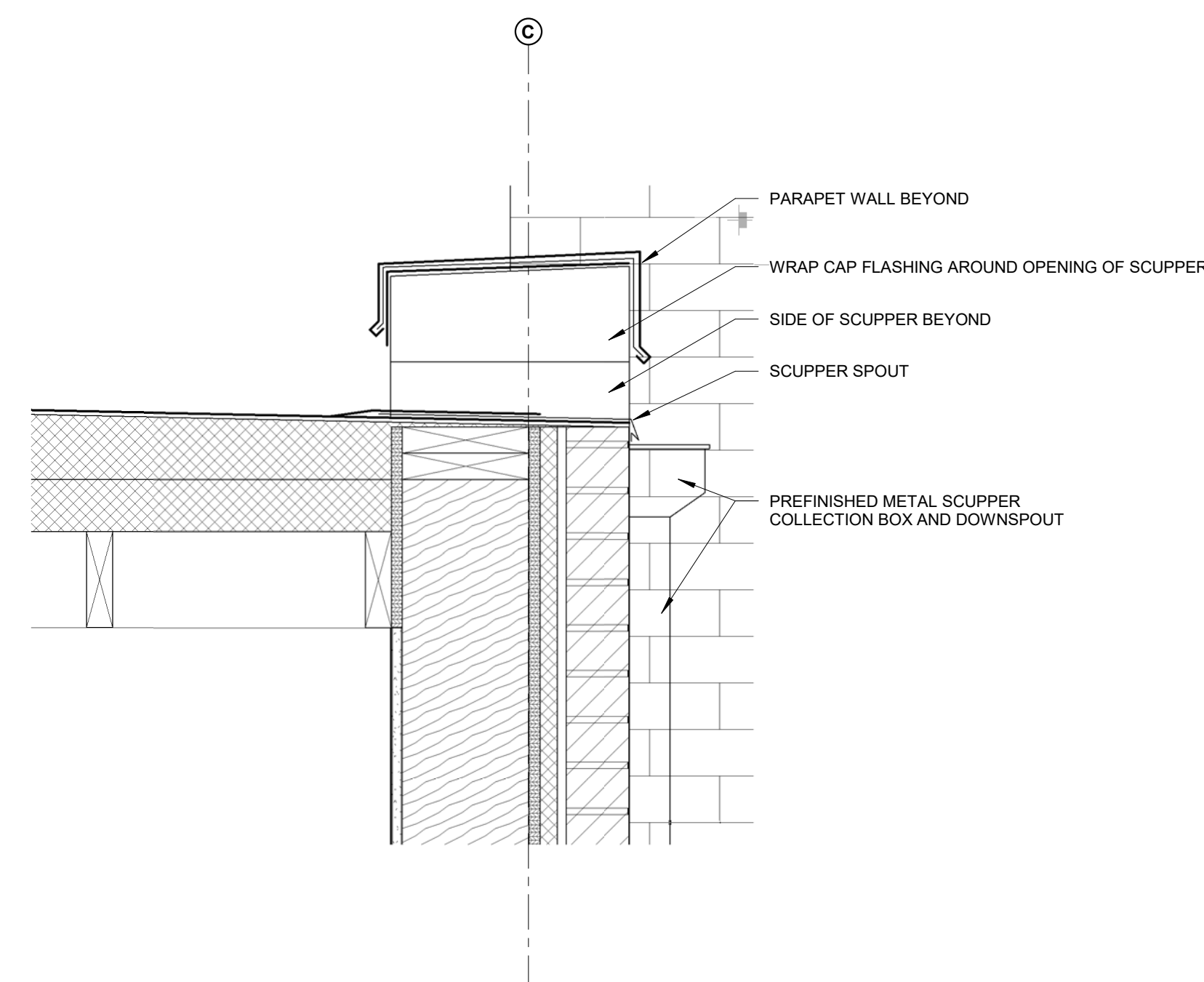
Reflected Ceiling Plan

Project Number: 2235
Date: November 4, 2022

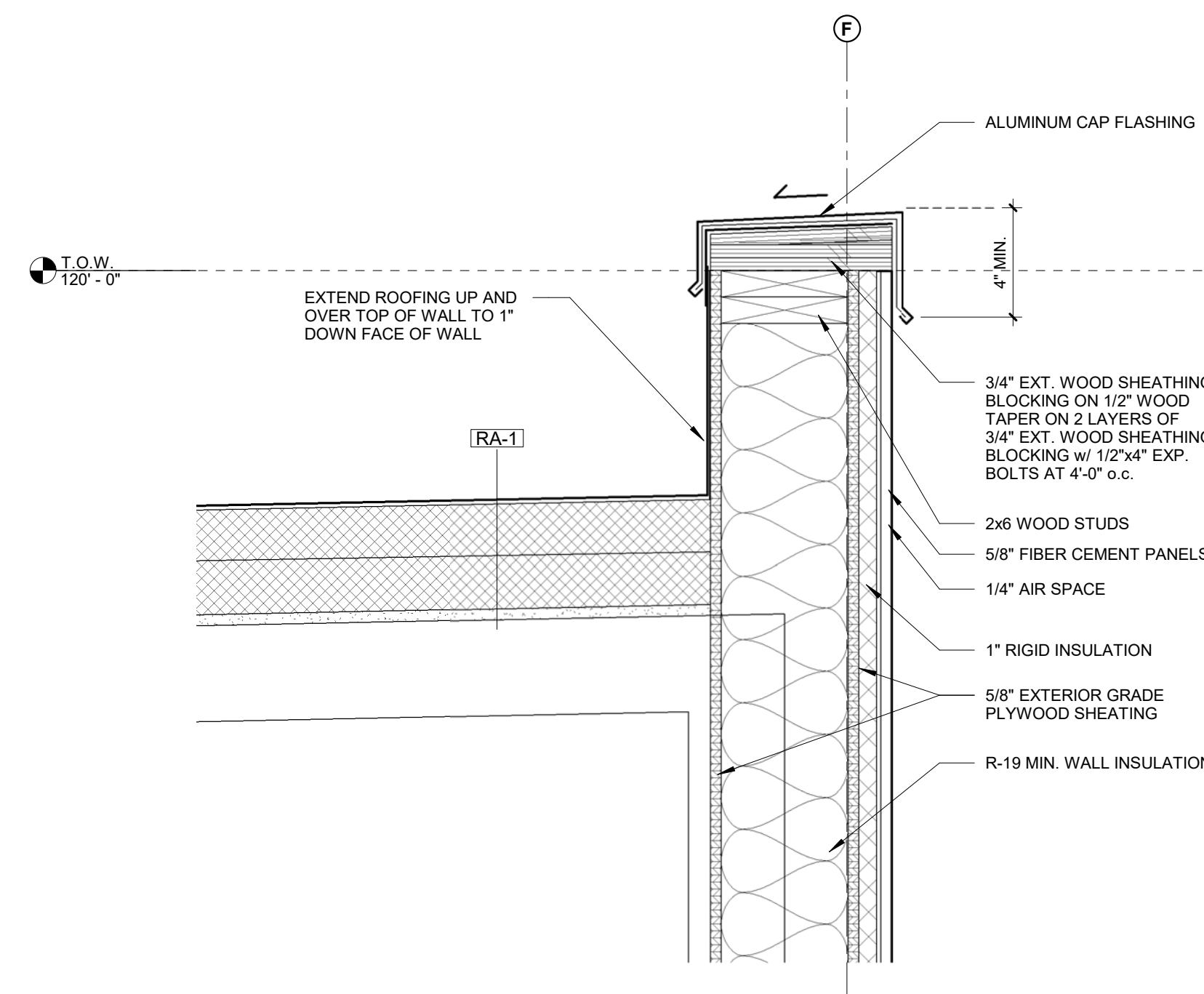
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Sheet Number:
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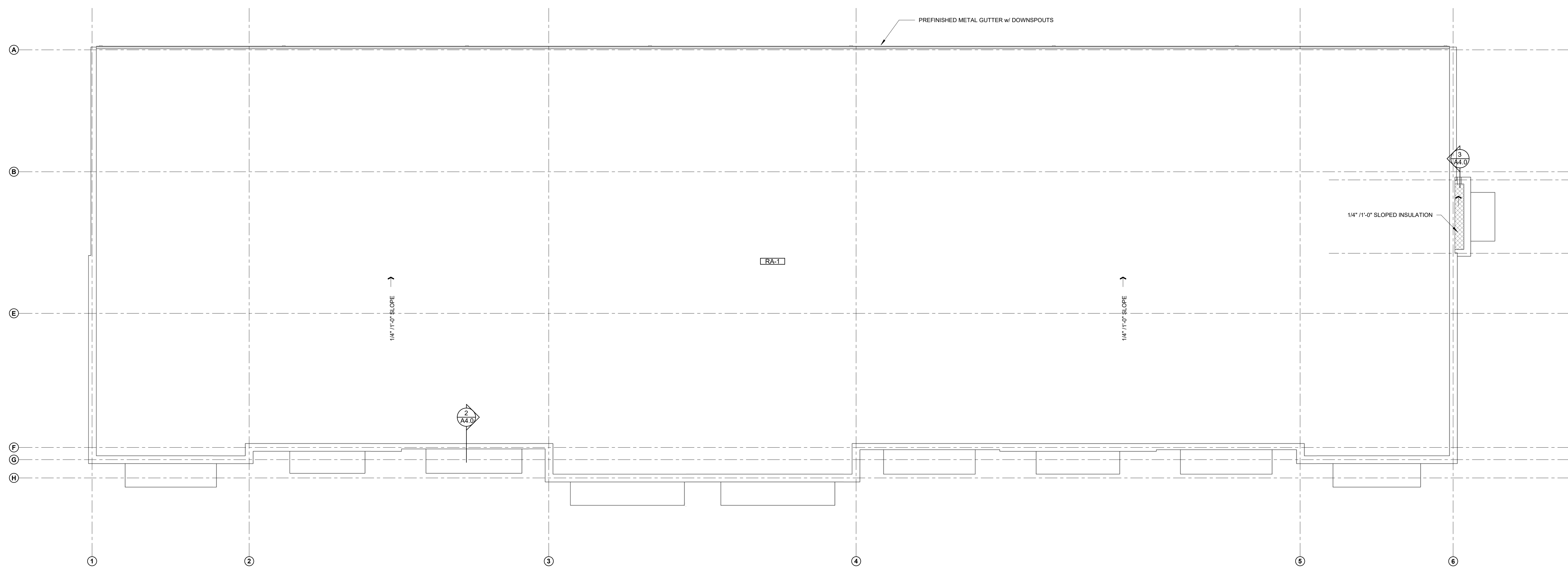
3 SCUPPER DETAIL
 SCALE: 1/12" = 1'-0"



2 ROOF DETAIL
 SCALE: 1/12" = 1'-0"

ROOF GENERAL NOTES

1. SHADED AREAS INDICATE TAPERED INSULATION. TAPERED INSULATION SHALL PROVIDE A MINIMUM OF 1/4-INCH PER FOOT OF SLOPE TO ROOF DRAINS, UNLESS NOTED OTHERWISE.
2. REFERENCE ALL ROOF ASSEMBLIES AND ALL WALL SECTIONS FOR ROOFING DETAILS NOT REFERENCED ON THIS PLAN.
3. ALL ROOF DRAINS TO BE 1 1/2" ABOVE STRUCTURAL ROOF DECK ON ROOF INSULATION. ALL OVERFLOW ROOF DRAINS TO BE 3 1/2" ABOVE STRUCTURAL ROOF DECK ON ROOF INSULATION.
4. ALL ROOF CURBS TO BE A MINIMUM OF 8" ABOVE ROOFING LEVELS. PROVIDED TAPERED INSULATION ROOF SADDLES AT ROOF CURBS AS REQUIRED TO PROVIDE DRAINAGE AROUND CURBS. AT MECH. UNITS EXTEND ROOFING UP AND ON TOP OF MECH. ROOF CURB. SEE MECH.
5. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL PENETRATIONS NOT INDICATED ON THE ROOF PLAN.
6. ARROWS ON THE PLAN INDICATE DIRECTION OF DRAINAGE. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS OF BUILDING AND DRAIN LOCATIONS AND OTHER PENETRATIONS.
7. SEE STRUCTURAL DRAWINGS FOR FRAMING AROUND ROOF PENETRATIONS.
8. FLASH ALL DRAINS, CURBS, VENTS AND STACKS PER ROOF MANUFACTURER'S STANDARD DETAILS AND RECOMMENDATIONS, IF DETAIL NOT SHOWN ON PLANS.
9. PROVIDE ONE (1) LAYER 30# BUILDING FELT SEPARATION BETWEEN ANY TREATED WOOD BLOCKING AND STEEL OR ALUMINUM BUILDING COMPONENTS.
10. RD - ROOF DRAIN
11. ORD - OVERFLOW ROOF DRAIN



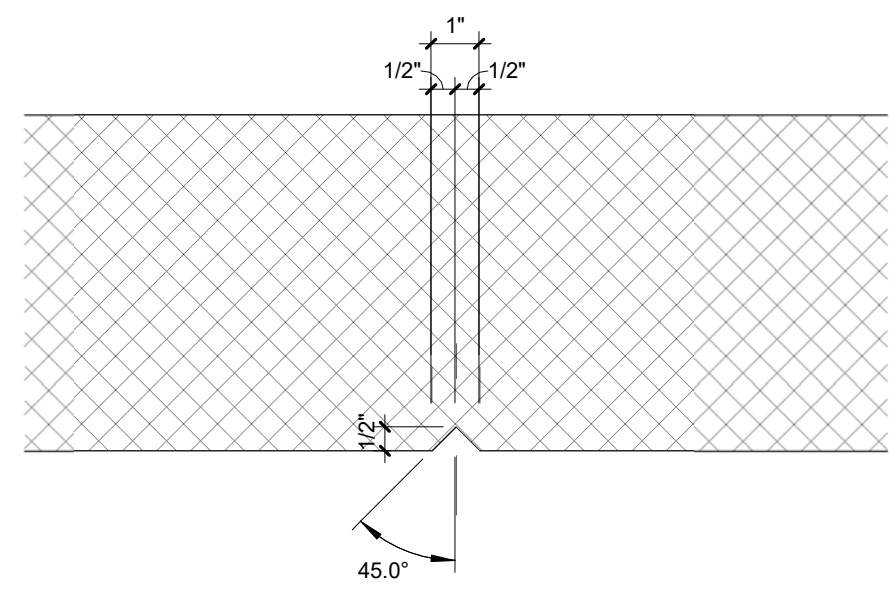
1 ROOF PLAN
 SCALE: 1/8" = 1'-0"

Community Development Agency of Lexington, NE
 NEW COMMERCIAL BUILDING
 Lexington, NE

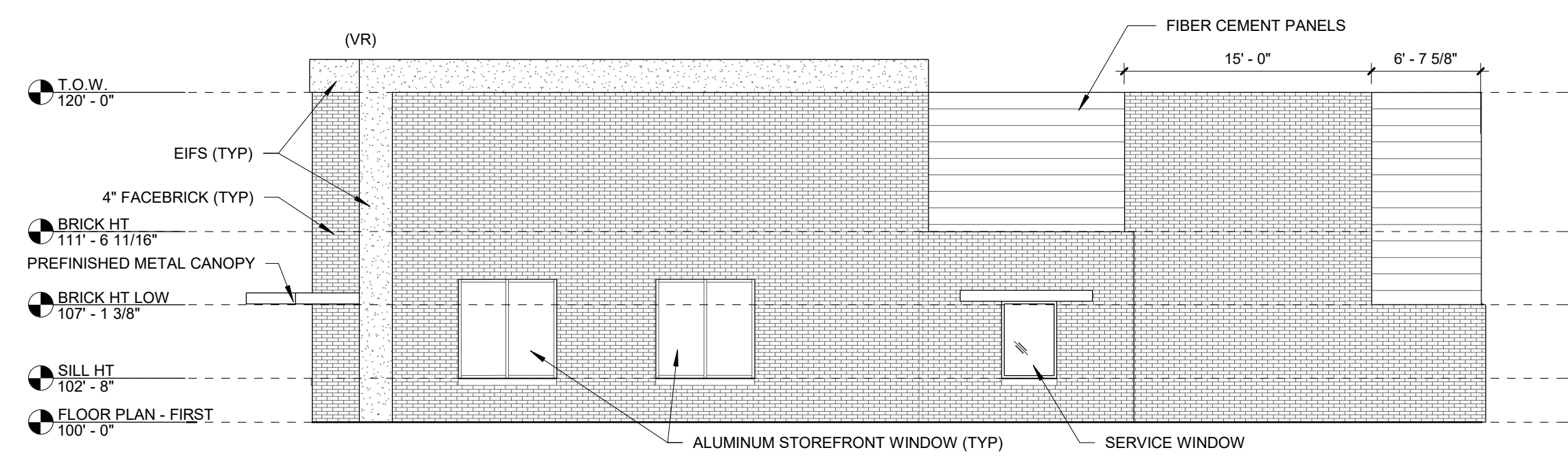
Revision/Issue	Date

Roof Plan

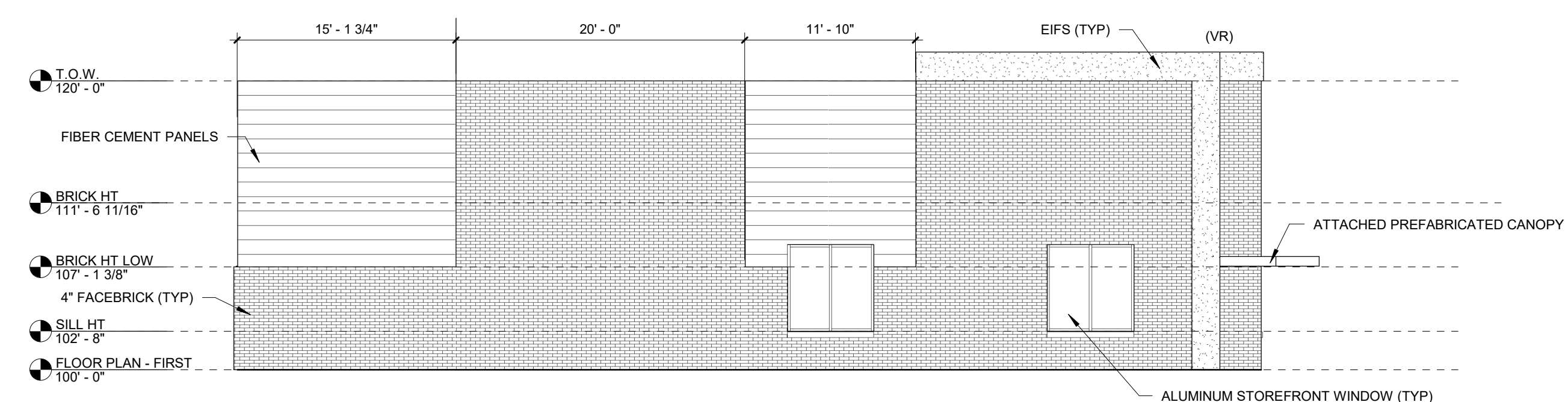
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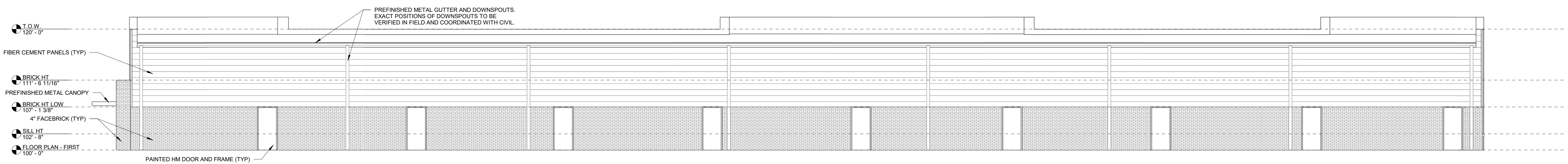
5 VERT. EIFS REVEAL (VR)
 SCALE: 3" = 1'-0"



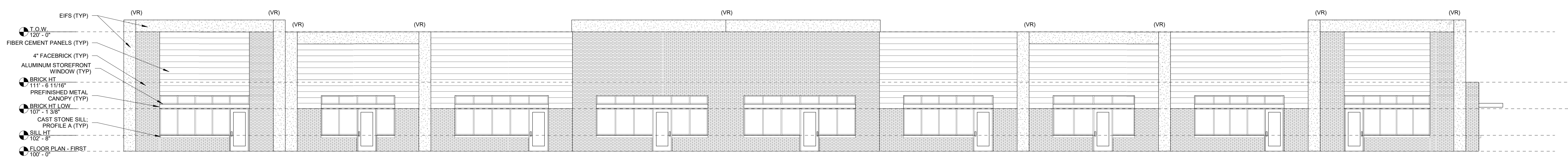
3 EXTERIOR ELEVATION - EAST
 SCALE: 1/8" = 1'-0"



4 EXTERIOR ELEVATION - WEST
 SCALE: 1/8" = 1'-0"



2 EXTERIOR ELEVATION - NORTH
 SCALE: 1/8" = 1'-0"

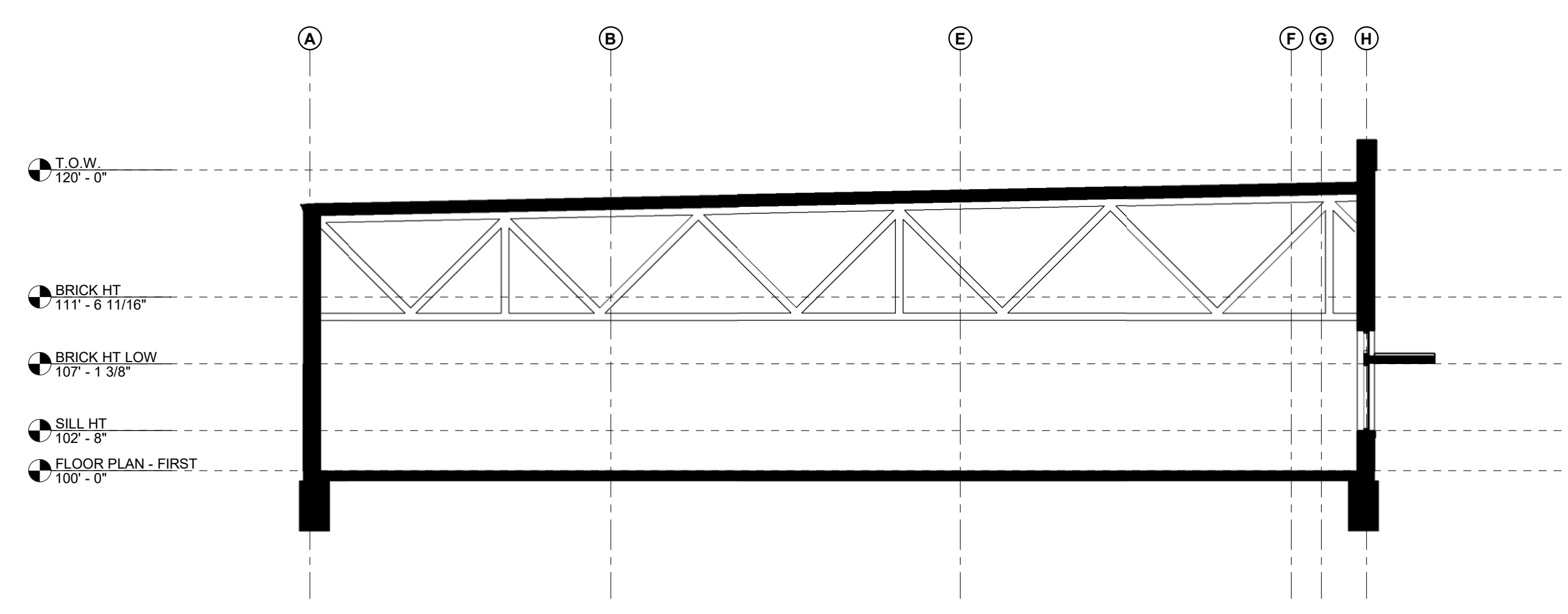


1 EXTERIOR ELEVATION - SOUTH
 SCALE: 1/8" = 1'-0"

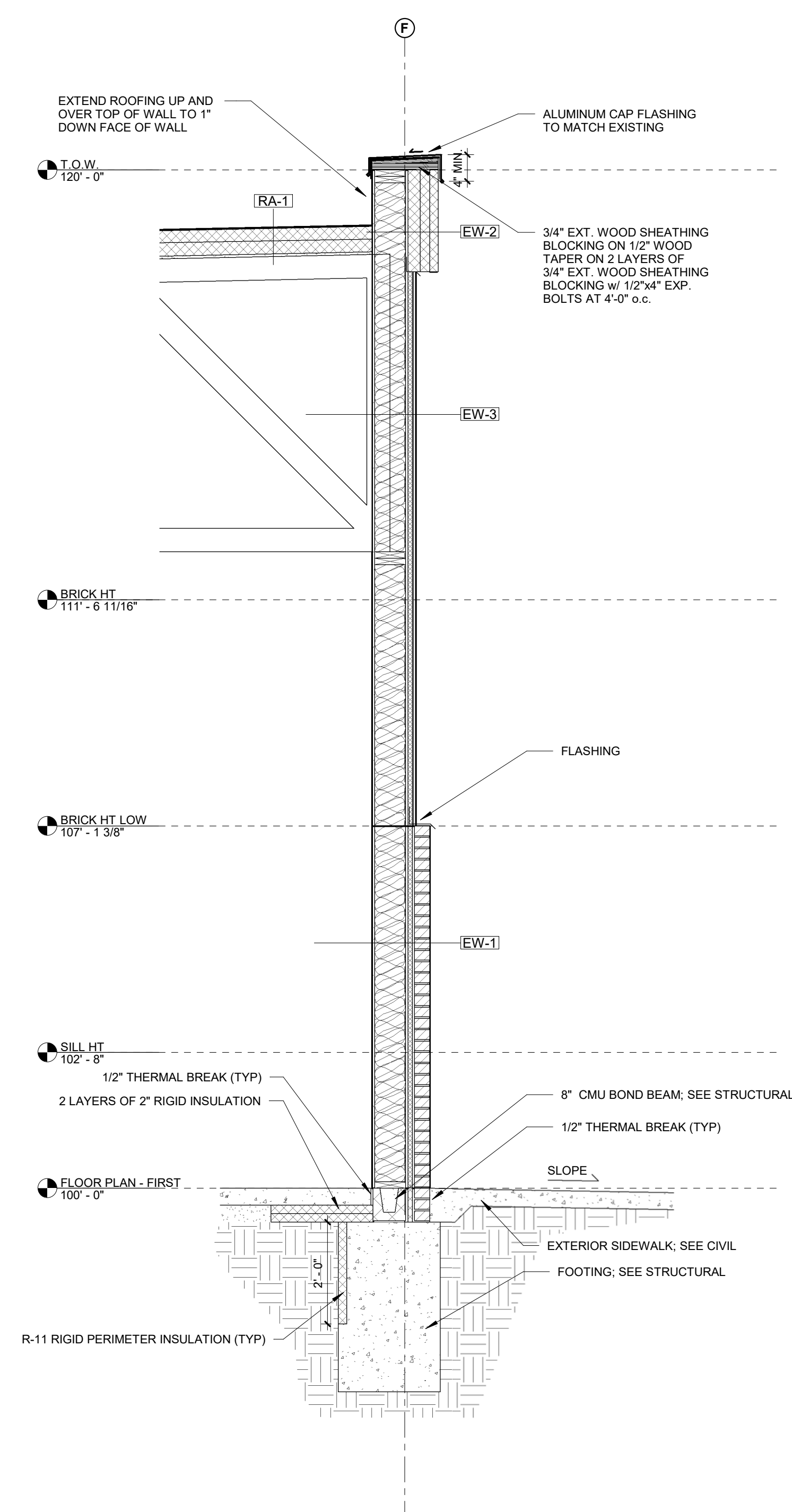
Community Development Agency of Lexington, NE
 NEW COMMERCIAL BUILDING
 Lexington, NE

Revision/Issue	Date

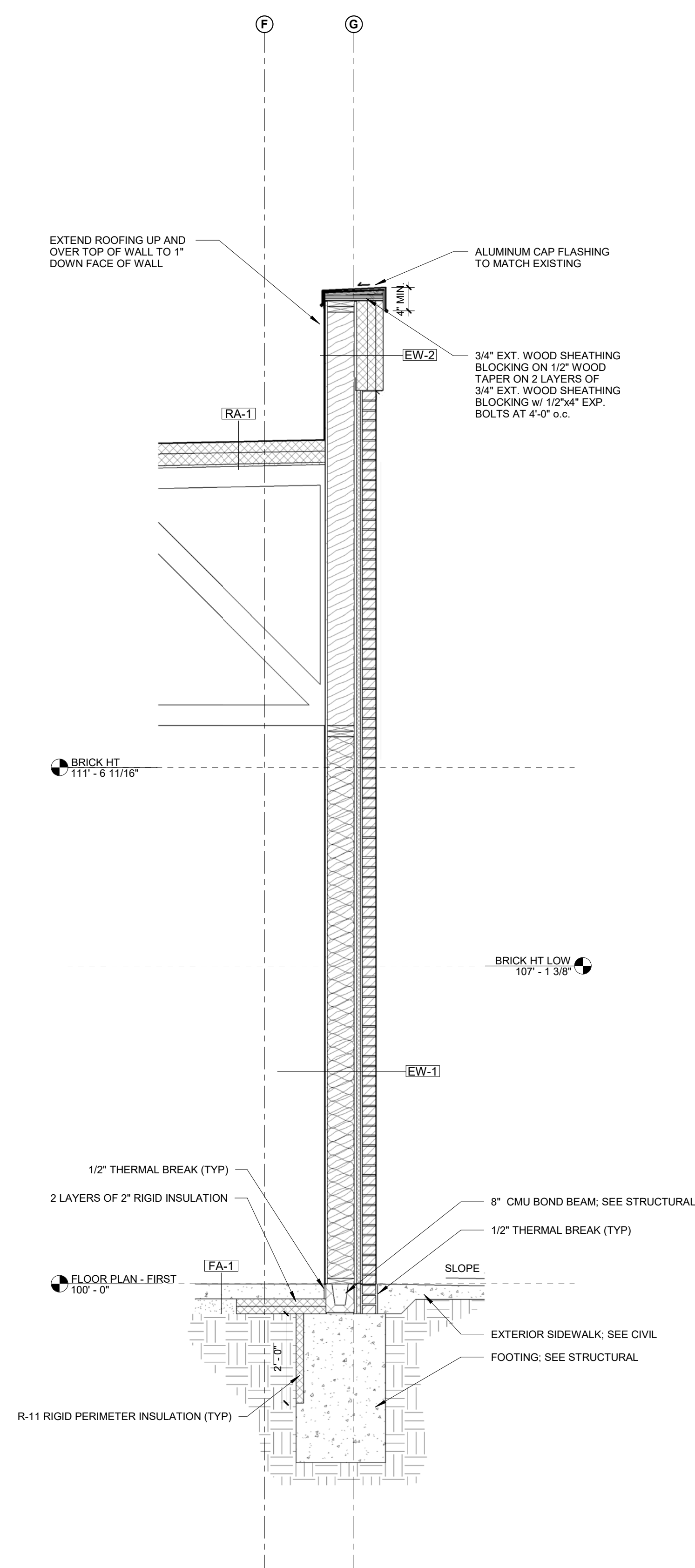
Exterior Elevations
 Project Number: 2235
 Date: November 4, 2022
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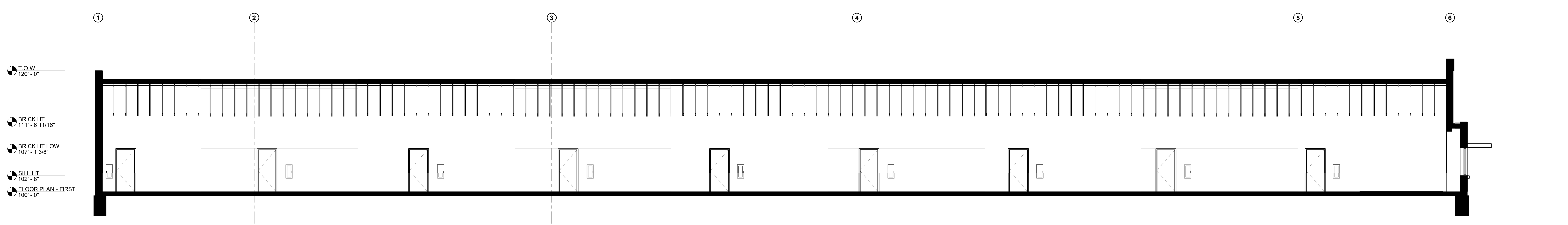
2 BUILDING SECTION - CROSS
 SCALE: 1/8" = 1'-0"



3 WALL SECTION
 SCALE: 1/2" = 1'-0"



4 WALL SECTION
 SCALE: 1/2" = 1'-0"



1 BUILDING SECTION - LONGITUDINAL
 SCALE: 1/8" = 1'-0"

Community Development Agency of Lexington, NE
NEW COMMERCIAL BUILDING
 Lexington, NE

Revision/Issue	Date

Building Sections

Project Number: 2235
 Date: November 4, 2022
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DOOR AND FRAME SCHEDULE															
DOOR NO.	TYPE	WIDTH	# LEAFS	MAIN LEAF	DOOR				FRAME		GLAZING		FIRE RATING	REMARKS	
					HEIGHT	TYPE	MATL	FINISH	MATL	FINISH	DEPTH	TYPE			THK
101	A	3'-0"	1		7'-0"	FG	AL	AN	AL	AN	5.34"	7.12"	ITC	1"	
101.1	G	3'-0"	1		7'-0"	F	GHM	PT	AL	AN	5.34"	7.12"	ITC	1"	3.4
102	B	3'-0"	1		7'-0"	FG	AL	AN	AL	AN	5.34"	7.12"	ITC	1"	
102.1	C	3'-0"	1		7'-0"	F	GHM	PT	GHM	PT	5.34"	7.12"	ITC	1"	3.4
103	G	3'-0"	1		7'-0"	FG	AL	AN	AL	AN	5.34"	7.12"	ITC	1"	3.4
103.1	G	3'-0"	1		7'-0"	F	GHM	PT	GHM	PT	5.34"	7.12"	ITC	1"	
104	D	3'-0"	1		7'-0"	FG	AL	AN	AL	AN	5.34"	7.12"	ITC	1"	
104.1	G	3'-0"	1		7'-0"	F	GHM	PT	GHM	PT	5.34"	7.12"	ITC	1"	3.4
105	D	3'-0"	1		7'-0"	FG	AL	AN	AL	AN	5.34"	7.12"	ITC	1"	
105.1	G	3'-0"	1		7'-0"	F	GHM	PT	GHM	PT	5.34"	7.12"	ITC	1"	3.4
106	A	3'-0"	1		7'-0"	FG	AL	AN	AL	AN	5.34"	7.12"	ITC	1"	
106.1	G	3'-0"	1		7'-0"	F	GHM	PT	GHM	PT	5.34"	7.12"	ITC	1"	3.4
107	E	3'-0"	1		7'-0"	FG	AL	AN	AL	AN	5.34"	7.12"	ITC	1"	
107.1	G	3'-0"	1		7'-0"	F	GHM	PT	GHM	PT	5.34"	7.12"	ITC	1"	3.4
108	A	3'-0"	1		7'-0"	FG	AL	AN	AL	AN	5.34"	7.12"	ITC	1"	
108.1	G	3'-0"	1		7'-0"	F	GHM	PT	GHM	PT	5.34"	7.12"	ITC	1"	3.4
109	F	3'-0"	1		7'-0"	FG	AL	AN	AL	AN	5.34"	7.12"	ITC	1"	
109.1	G	3'-0"	1		7'-0"	F	GHM	PT	GHM	PT	5.34"	7.12"	ITC	1"	3.4

DOOR AND FRAME ABBREVIATIONS

MATERIALS:
 WD = WOOD
 HM = HOLLOW METAL
 ACW = ALUMINUM CLAD WOOD

FINISHES:
 PT = PAINT
 PR = PREFINISHED ALUMINUM
 ST = STAINED AND SEALED

DOOR TYPES

F = FLUSH
 FG = FULL GLASS

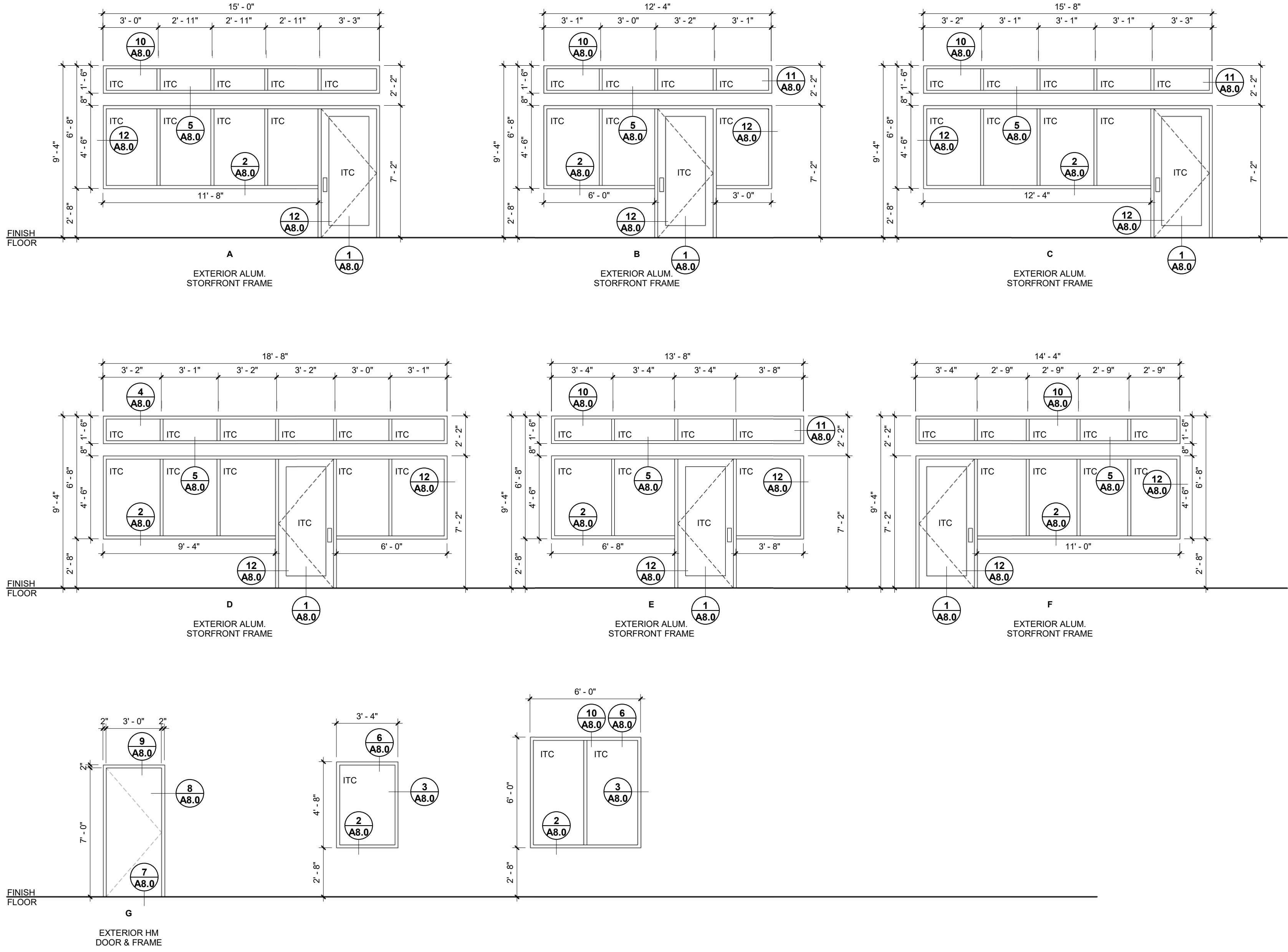
DOOR AND FRAME REMARKS

1. AUTOMATIC OPERATOR, KEYSWITCH AND (2) WIRELESS NARROW PUSH BUTTONS ACTUATORS. ATTACH ACTUATORS TO FRAME, REFER TO ARCHITECT FOR LOCATIONS. SEE SPECIFICATIONS, DOOR HARDWARE SCHEDULE AND ELECTRICAL DRAWINGS.

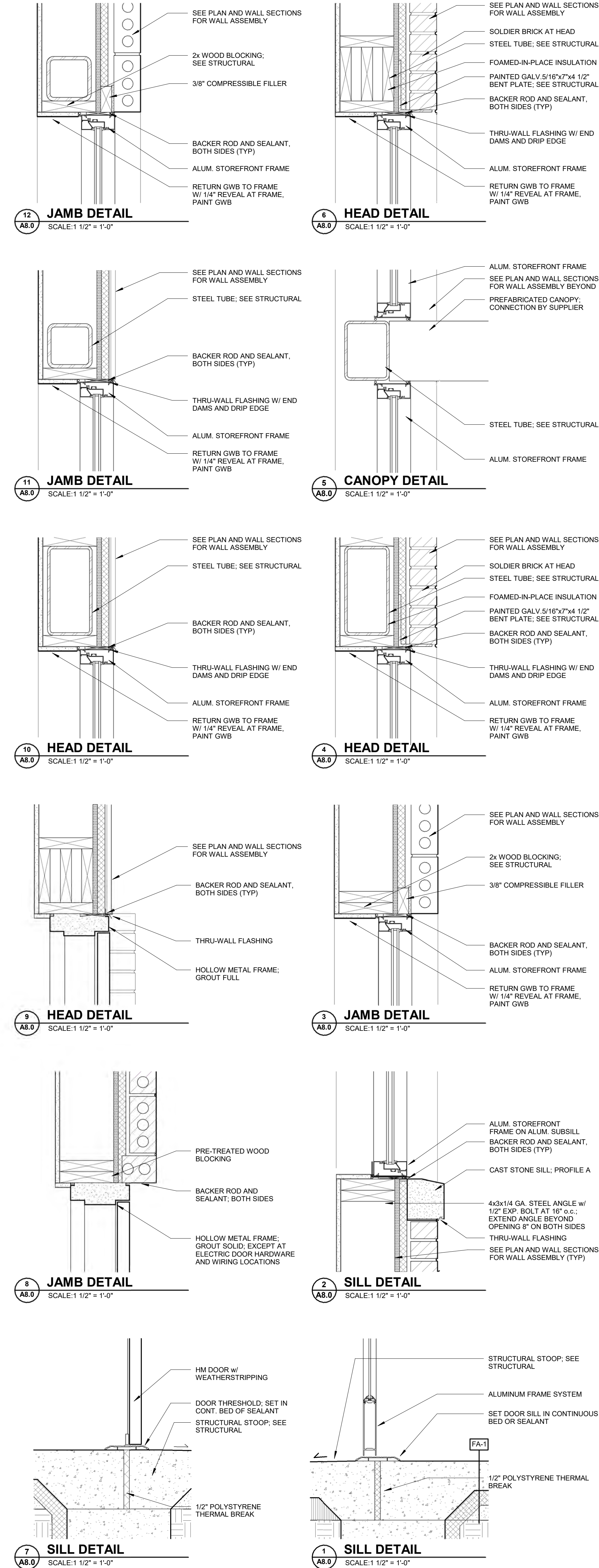
GLASS TYPES

ITT = INSULATED TEMPERED TINTED (LOW-E)
 ITTS = INSULATED TEMPERED TINTED SPANDREL (LOW-E)

DOOR TYPES



DOOR AND WINDOW DETAILS



Revision/Issue	Date
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Door and Window Types and Details

Project Number: 2235
 Date: November 4, 2022
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Sheet Number:

NAILING SPACING				
LOCATION	SHEATHING	ROOF PERIMETER	PANEL EDGES	BLOCKING
CENTER ZONE	5/8" OSB	6" OC	6" OC	NOT REQD
END ZONE	5/8" OSB	4" OC	4" OC	REQD

NOTES:

- FASTENERS SHALL BE 131" x 2 1/2" NAILS
- NAIL SHEATHING TO ALL INTERMEDIATE FRAMING @ 12" OC
- PROVIDE 1/8" JOINT BETWEEN ALL PANELS FOR EXPANSION
- FOR BUILDINGS LONGER THAN 80' PROVIDE TEMPORARY EXPANSION IN THE FLOOR SHEATHING @ 87-0 OC (SEE DETAIL UNLESS ALTERNATE METHOD IS APPROVED)

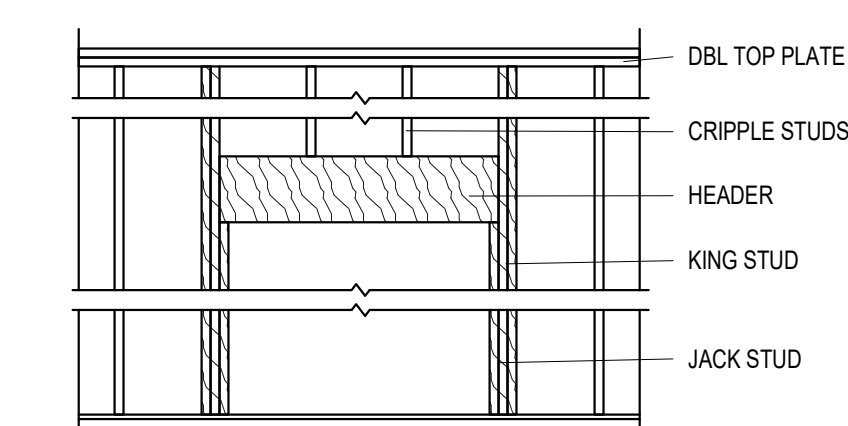
ROOF AND FLOOR SHEATHING SCHEDULE

NAILING SPACING					PL ATTACH
LOCATION	SHEATHING	PANEL EDGES	IN FIELD	BLOCKING	FOUNDATION
TYPICAL	5/8" OSB	6" OC	12" OC	REQD	5/8" BOLTS @ 6'-0" OC
ALTERNATE	5/8" DENSGLOSS GOLD	4" OC	8" OC	REQD	5/8" BOLTS @ 6'-0" OC

NOTES:

- FASTENERS SHALL BE 131" x 2 1/2" NAILS @ WOOD SHEATHING OR #8 1 1/8" SINGLE HEAD COARSE THREAD SCREW

SHEAR WALL SHEATHING SCHEDULE



WOOD LINTEL SCHEDULE				
MARK	HEADER	JACK STUDS	KING STUDS (EA SIDE)	NOTE
WL-1	(3)2x8	2	2	
WL-2	(3)2x8	1	3	

TYPICAL WOOD OPENING SCHEDULE

BOLT Ø	EMBED	WASHER
5/8"	6"	3/16x1 1/2x1 1/2
3/4"	9"	1/4x2x2
7/8"	12"	5/16x2 1/2x2 1/2
1"	15"	3/8x3x3
1 1/4"	22"	1/2x3x3
1 1/2"	30"	1/2x3 1/2x3 1/2

NOTES:

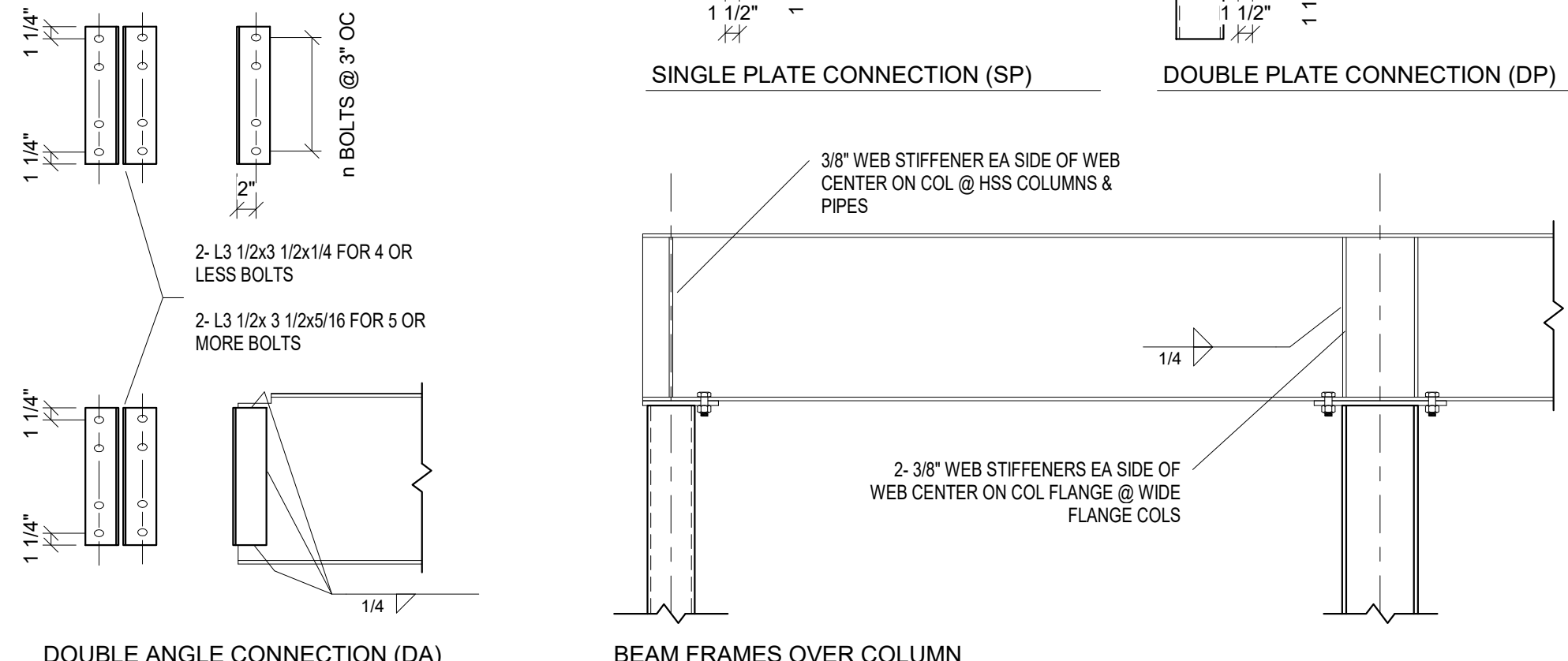
- ANCHOR BOLTS SHALL BE ASTM F1554, GRADE 36 STRAIGHT THREADED ROD w/ NUT TACK WELDED TO EMBED END
- ADD 4" OF EMBEDMENT TO BOLTS IN WALLS OR PIERS
- PROVIDE 6" OF PROJECTION ON ANCHOR BOLTS
- PRE-ENG MTL BLDG, REFER TO METAL BLDG ANCHOR BOLT SCHEDL

BASE PLATE & ANCHOR BOLT SCHEDULE

NUMBER OF 3/4" A325 BOLTS REQ'D PER BEAM CONNECTION												
BEAM SIZE	W8	W10	W12	W14	W16	W18	W21	W24	W27	W30	W33	W36
2" COPE	2	2	3	3	4	5	5	6	6	7	8	9
4 1/2" COPE	-	-	2	2	3	4	5	6	6	7	8	9

NOTES:

- ALL PRIMARY BEAM CONNECTIONS SHALL USE DBL ANGLE OR DBL PLATE CONNECTIONS



BEAM CONNECTION SCHEDULE AND TYPICAL DETAILS

STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT	MEP	MECHANICAL, ELECTRICAL, PLUMBING
ACI	AMERICAN CONCRETE INSTITUTE	MAX	MAXIMUM
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	MECH	MECHANICAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MFR	MANUFACTURER
ADD	ADDENDUM	MIN	MINIMUM
ADDL	ADDITIONAL	MISC	MISCELLANEOUS
ALT	ALTERNATE	MTL	METAL
ARCH	ARCHITECT	NDS	NATIONAL DESIGN SPECIFICATION NOT IN CONTRACT
BP	BASE PLATE	NIC	NOT TO SCALE
BLDG	BUILDING	NTS	NOT TO SCALE
BRG	BEARING	OC	ON CENTER
BRK	BRICK LEDGE	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMIN.
CB	CAST IN PLACE CONSTRUCTION JOINT	OPNG	OPENING
CJ	CONCRETE MASONRY UNIT	OPP	OPPOSITE
CMU	CENTERLINE	PCI	PRECAST/PRESTRESSED CONCRETE INSTITUTE
CLR	CLEAR	POUNDS PER SQUARE INCH	
CLR	CONCRETE	PSI	POUNDS PER SQUARE FOOT
CONC	CONNECTION	PSF	POUNDS PER CUBIC FOOT
CONN	CONSTRUCTION JOINT	PL	PLATE
CONST	CONTINUOUS	PLBG	PLUMBING
CONT	CONT.	PLBG	PLUMBING
DL	DEAD LOAD	QTY	QUANTITY
DET	DETAIL	RADIUS	
DIA	DIAMETER	SDE	STEEL DECK INSTITUTE
DIAG	DIAGONAL	SJI	STEEL JOIST INSTITUTE
DM	DIMENSIONS	SOG	SCHEDULE
DWG	DRAWINGS	SCHD	SCHEDULE
EOR	EACH ENGINEER OF RECORD	SI	SPACING/SPACES
EA	ELEVATION	SPA	SPECIFICATIONS
ELE	ELECTRICAL	STAND	STANDARD
ELEC	EQUAL	STD	STRUCTURAL
EXTER	EXTERIOR	STRUCT	STRUCTURE
EQ	EQUAL	TYP	TYPICAL
EXT	EXTERIOR	TOP	TOP OF CURB
FIN	FINISH	TOC	TOP OF CONCRETE
FN	FOUNDATION	TOS	TOP OF STEEL
FND	FEET	TOW	TOP OF WALL
FT	FIELD VERIFY	UNO	UNLESS NOTED OTHERWISE
FV	FIELD VERIFY	VERT	VERTICAL
GA	GAGE	W	WITH
GALV	GALVANIZED	W/O	WITHOUT
HT	HORIZONTAL	WP	WORKPOINT
HORZ	HORIZONTAL	WWF	WELDED WIRE FABRIC
HT	HEIGHT		
IBC	INTERNATIONAL BUILDING CODE		
IBC	INSULATED CONCRETE FORM		
ICF	INTERIOR		
IN	INCHES		
INT	INTERIOR		
K	KIPS		
K	ANGLE		
L	LIVE LOAD		
LL	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		
LV	LONG SIDE HORIZONTAL		
LV	LONG SIDE VERTICAL		
LSH	LONGITUDINAL		
LSV	LONGITUDINAL		
LONG	LONG		
LT GA	LONG		

STRUCTURAL NOTES

GENERAL

- CONTRACT DOCUMENTS ARE INTENDED TO CONVEY THE STRUCTURAL DESIGN INTENT. THEY REPRESENT THE STRUCTURAL SYSTEMS, MATERIALS USED, TYPICAL DETAILS AND SPECIFIC DETAILS OF THE COMPLETED STRUCTURE. DETAILS MAY NEED TO BE ADAPTED BY THE CONTRACTOR, SUBCONTRACTOR, OR SUPPLIER IN SOME LOCATIONS. ANY DIVERGENCE FROM THESE DRAWINGS SHALL BE APPROVED BY THE ARCHITECT AND EOR AND SHALL BE CONSISTENT WITH THE DESIGN INTENT SHOWN.
- GENERAL CONTRACTORS RESPONSIBILITIES INCLUDE BUT ARE NOT LIMITED TO:
 - DETERMINE CONSTRUCTION SEQUENCE AND PROCEDURES.
 - PROVIDE A SAFE JOBSITE FOR WORKERS, SUBCONTRACTORS, TESTING AND INSPECTION AGENCIES, AND DESIGN PROFESSIONALS.
 - DESIGN AND INSTALLATION OF ALL SHORING AND TEMPORARY BRACING NECESSARY TO ENSURE THE SAFETY OF THE BUILDING, ITS COMPONENTS AND OCCUPANTS.
 - VERIFY AND COORDINATE DIMENSIONS AND ELEVATIONS SHOWN IN THE DRAWINGS. IF DISCREPANCIES EXIST, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO COMMENCING THAT PROCEDURE.
 - COORDINATE THE LOCATION AND LOADS OF MECHANICAL AND OWNER EQUIPMENT WITH THE STRUCTURE. OPENINGS AND LOADS SHOWN IN THE DRAWINGS ARE REPRESENTATIVE OF EQUIPMENT THAT MAY BE USED ON THIS PROJECT AND WHAT WAS USED AS THE BASIS FOR THE STRUCTURAL DESIGN. AND BIDDING PURPOSES. DEVIATIONS SHALL BE APPROVED BY THE ARCHITECT AND EOR.
 - PROTECT FOUNDATIONS FROM FROST DURING CONSTRUCTION. REFER TO SOLS REPORT FOR FURTHER INFORMATION.
 - IF CONFLICTS EXIST IN THE CONSTRUCTION DOCUMENTS THE STRICTEST PROVISIONS SHALL GOVERN.
 - DETAILS SHOWN IN TYPICAL LOCATIONS SHALL APPLY TO ALL LOCATIONS WITH THE SAME OR SIMILAR CONDITIONS.

REINFORCED CONCRETE

- REFER TO DESIGN DATA.
- ACI FIELD REFERENCE MANUAL, SP-15 SHALL BE FOLLOWED. AT LEAST ONE COPY SHALL BE AVAILABLE ON SITE DURING CONCRETING OPERATIONS.
- PROVIDE CONTROL JOINTS IN SLAB ON GRADE AS INDICATED BY THE DRAWINGS. IF NO CONTROL JOINTS ARE SHOWN, PROVIDE CONTROL JOINTS NO FURTHER THAN 30 TIMES THE SLAB THICKNESS (4" THICK SLAB = 12'-0"). CONTROL JOINTS SHALL PROVIDE A SQUARE SECTION WITH THE LENGTH NO GREATER THAN 1 1/2 TIMES THE WIDTH.
- UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, ALL CP AND CMU WALLS SHALL BE CONNECTED TO THE FOUNDATION WITH DOWELS THAT MATCH THE WALL REINFORCING SIZE AND SPACING.
- REFER TO SCHEDULES FOR TYPICAL REINFORCING DETAILS.
- REBAR SHALL BE SPLICED TO PROVIDE A MINIMUM LAP AS FOLLOWS. TOP BARS ARE HORIZONTAL REINFORCING THAT IS PLACED WITH 12" OR MORE OF CONCRETE BELOW THE BAR.

BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
TOP BAR	24"	32"	40"	48"	70"	80"	91"	102"	113"
TYP BAR	10"	25"	31"	37"	54"	62"	70"	79"	87"

- PROVIDE CONCRETE COVER FOR ALL REINFORCING AS FOLLOWS:
- CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
 - EXPOSED TO EARTH OR WEATHER: 3"
 - #5 BAR AND LARGER: 1 1/2"
 - INTERIOR EXPOSURE: 1 1/2"
 - BEAMS & COLUMNS: 1 1/2"
 - WALLS: 1 1/2"
 - PROSLABS AND JOISTS: GS IN CP WALLS AND 4" IN CP SLABS. ADDITIONAL BAR SHALL EXTEND 24" MINIMUM BEYOND THE OPENING.
- ALL REBAR, EXCLUDING DOWELS INTO FOUNDATION, TO BE PROPERLY CHARGED AND SECURED PRIOR TO PLACING OF CONCRETE. WET SETTING OF REBAR IS NOT PERMITTED.

STRUCTURAL STEEL

- REFER TO DESIGN DATA.
- FIELD CUTTING OR OTHER FIELD MODIFICATIONS TO THE STRUCTURAL STEEL SHALL NOT BE MADE WITHOUT PRIOR APPROVAL OF THE EOR.
- SIZES OF FILLET WELDS NOT SHOWN SHALL CONFORM TO THE MINIMUM SIZES AS SPECIFIED BY AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS."
- PROVIDE TWO COATS OF ASPHALTIC PAINT ON ALL STRUCTURAL STEEL EXPOSED TO THE SOL OR BELOW SLAB ON GRADE.

WOOD TRUSSES

- REFER TO DESIGN DATA.
- TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF TRUSS MEMBERS AND ITS SYSTEM INCLUDING:
 - ALL PERMANENT BRACING REQUIRED FOR SLENDER TRUSS MEMBERS.
 - DESIGN OF TRUSS AND/OR BRACING REQUIRED FOR OUT OF PLANE BENDING (I.E. GABLE ENDS)
 - DESIGN WIND UPLIFT CONNECTIONS TO THE STRUCTURE.
 - SUBMIT ERECTION DRAWINGS AND PIECE DETAILS SHOWING TRUSS LAYOUT, PROFILES, BRACING AND ATTACHMENTS.
 - STAMPED CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.
- TRUSS MANUFACTURER AND ERECTOR SHALL COMPLY WITH THE FOLLOWING STANDARDS:
 - ANSI/TPI 1 "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION."
 - TPI HB "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES."
 - TPI DS8 "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."

STRUCTURAL LUMBER

- REFER TO DESIGN DATA.
- NAILING OF MEMBERS SHALL COMPLY WITH THE "FASTENING TABLE" CONTAINED IN IBC SECTION 2304.
- UNLESS NOTED OTHERWISE NAILS CONNECTING FRAMING MEMBERS SHALL BE 131" x 3 1/2" NAILS. NAILS CONNECTING SHEATHING TO FRAMING MEMBERS SHALL BE 131" x 2 1/2" NAILS.
- ALL CONNECTORS, NAILS, BOLTS, OR OTHER FASTENERS, USED WITH ALL TREATED LUMBER AND PLYWOOD SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL ALLOYS 304 OR 316.
- GLUE FLOOR SHEATHING TO FRAMING AND TONGUE GROOVE JOINTS WITH ADHESIVES MEETING APA SPECIFICATIONS 400-01 AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE SOLID BLOCKING AT ALL JOIST AND RAFTER BEARING LOCATIONS.
- PROVIDE DOUBLE STUDS AT ALL LINTEL AND BEAM BEARING SUPPORTS. REFER TO SCHEDULE.
- CONTINUE ALL ADDITIONAL STUD FRAMING BELOW BEAMS OR GIRDERS TO THE FOUNDATION.

SPECIAL INSPECTION

- SPECIAL INSPECTIONS TO BE PERFORMED BY A LICENSED STRUCTURAL ENGINEER OR CERTIFIED SPECIAL INSPECTOR WHO HAS BEEN CERTIFIED IN THE MATERIAL BEING INSPECTED.
- SPECIAL INSPECTION AND TESTING IS REQUIRED ON THIS PROJECT. THE FOLLOWING ENTITIES SHALL PERFORM THE FOLLOWING:

THE OWNER OR OWNER'S REPRESENTATIVE: SHALL HIRE A QUALIFIED SPECIAL INSPECTOR/TESTING AGENCY (OR MULTIPLE FOR VARIOUS DISCIPLINES) AS INDICATED BELOW.

THE GENERAL CONTRACTOR: SHALL COORDINATE THE REQUIRED SPECIAL INSPECTIONS WITH THE SPECIAL INSPECTOR AND SUB CONTRACTOR(S) PERFORMING THE WORK.

THE SPECIAL INSPECTOR: SHALL INSPECT THE REQUIRED WORK AND SUBMIT A REPORT TO THE ARCHITECT/STRUCTURAL ENGINEER AND THE BUILDING OFFICIAL AS REQUIRED BY THE BUILDING OFFICIAL. THE REPORT SHALL INDICATE THE WORK THAT WAS INSPECTED, THE WORK THAT MET THE DESIGN SPECIFICATIONS AND WORK THAT DID NOT MEET THE DESIGN SPECIFICATIONS, REMEDIAL ACTION REQUIRED BY THE STRUCTURAL ENGINEER OF RECORD, AND REMEDIAL ACTION COMPLETED. ONCE THE INSPECTIONS ARE COMPLETE, A FINAL REPORT SHALL BE SUBMITTED INDICATING THAT THE CONSTRUCTION MET THE REQUIRED SPECIFICATIONS, OR ANY NON-COMPLIANCE WHICH EXISTS.

MATERIAL	CODE SECTION	APPLIES TO	EXCEPTIONS
CONCRETE	IBC 2012 TABLE 1705.3	WALLS STRUCTURAL SLABS BEAMS JOIST POST INSTALLED ANCHORS	1704.4.1 - PAD FOOTINGS 1704.4.2 - CONT FOOTINGS 1704.4.3 - SLAB ON GRADE 1704.4.4 - FOUNDATION WALLS 1704.4.5 - SIDEWALKS & PAVING
STEEL	AISC 360 TABLE C-4.5.4-1; C-4.5.4-2; C-4.5.4-3; C-4.5.4-4; C-4.5.4-5; C-4.5.4-6; C-4.5.4-7	-BOLTS SNUG TIGHT - PERIODIC -JOIST TO BEAM WELDS - PERIODIC -STEEL DECK WELDS - PERIODIC -STAIR & RAIL WELDS - PERIODIC -FILLET WELDS - PERIODIC -SPECIAL CONNECTIONS -INDICATED ON THE PLANS - CONTINUOUS OR TESTED	1704.3.1 - CERTIFIED FABRICATORS 1704.3.2 - CONTINUOUS INSPECTION OF FILLET WELDS, AND DECK WELDS
MASONRY	TMS 402-11/ACI 530-1/ASCE 5-11 TABLE 1.10.2	-WALLS & LINTELS - LEVEL B REFER TO TABLE	NONE
WOOD	IBC 2012 SECTION 1705.10.1	-ROOF DIAPHRAGM -FLOOR DIAPHRAGM -SHEAR WALL SHEATHING	NONE
SOILS	IBC 2012 TABLE 1705.6	REFER TO TABLE	NONE
WIND	NOT REQUIRED	NOT REQUIRED	NONE
SEISMIC	NOT REQUIRED	NOT REQUIRED	NONE

- THE TABLE BELOW PROVIDES A BRIEF SUMMARY OF THE REQUIRED INSPECTIONS. REFER THE REFERENCED CODE SECTION FOR ADDITIONAL INFORMATION.
- ITEMS IDENTIFIED ON THE DRAWINGS AS REQUIRING SPECIAL INSPECTION SUPERSIDE INFORMATION PROVIDED IN THE TABLES BELOW.

MATERIAL	CODE SECTION	APPLIES TO	EXCEPTIONS
CONCRETE	IBC 2012 TABLE 1705.3	WALLS STRUCTURAL SLABS BEAMS JOIST POST INSTALLED ANCHORS	1704.4.1 - PAD FOOTINGS 1704.4.2 - CONT FOOTINGS 1704.4.3 - SLAB ON GRADE 1704.4.4 - FOUNDATION WALLS 1704.4.5 - SIDEWALKS & PAVING
STEEL	AISC 360 TABLE C-4.5.4-1; C-4.5.4-2; C-4.5.4-3; C-4.5.4-4; C-4.5.4-5; C-4.5.4-6; C-4.5.4-7	-BOLTS SNUG TIGHT - PERIODIC -JOIST TO BEAM WELDS - PERIODIC -STEEL DECK WELDS - PERIODIC -STAIR & RAIL WELDS - PERIODIC -FILLET WELDS - PERIODIC -SPECIAL CONNECTIONS -INDICATED ON THE PLANS - CONTINUOUS OR TESTED	1704.3.1 - CERTIFIED FABRICATORS 1704.3.2 - CONTINUOUS INSPECTION OF FILLET WELDS, AND DECK WELDS
MASONRY	TMS 402-11/ACI 530-1/ASCE 5-11 TABLE 1.10.2	-WALLS & LINTELS - LEVEL B REFER TO TABLE	NONE
WOOD	IBC 2012 SECTION 1705.10.1	-ROOF DIAPHRAGM -FLOOR DIAPHRAGM -SHEAR WALL SHEATHING	NONE
SOILS	IBC 2012 TABLE 1705.6	REFER TO TABLE	NONE
WIND	NOT REQUIRED	NOT REQUIRED	NONE
SEISMIC	NOT REQUIRED	NOT REQUIRED	NONE

MATERIAL	CODE SECTION	APPLIES TO	EXCEPTIONS
CONCRETE	IBC 2012 TABLE 1705.3	WALLS STRUCTURAL SLABS BEAMS JOIST POST INSTALLED ANCHORS	1704.4.1 - PAD FOOTINGS 1704.4.2 - CONT FOOTINGS 1704.4.3 - SLAB ON GRADE 1704.4.4 - FOUNDATION WALLS 1704.4.5 - SIDEWALKS & PAVING
STEEL	AISC 360 TABLE C-4.5.4-1; C-4.5.4-2; C-4.5.4-3; C-4.5.4-4; C-4.5.4-5; C-4.5.4-6; C-4.5.4-7	-BOLTS SNUG TIGHT - PERIODIC -JOIST TO BEAM WELDS - PERIODIC -STEEL DECK WELDS - PERIODIC -STAIR & RAIL WELDS - PERIODIC -FILLET WELDS - PERIODIC -SPECIAL CONNECTIONS -INDICATED ON THE PLANS - CONTINUOUS OR TESTED	1704.3.1 - CERTIFIED FABRICATORS 1704.3.2 - CONTINUOUS INSPECTION OF FILLET WELDS, AND DECK WELDS
MASONRY	TMS 402-11/ACI 530-1/ASCE 5-11 TABLE 1.10.2	-WALLS & LINTELS - LEVEL B REFER TO TABLE	NONE
WOOD	IBC 2012 SECTION 1705.10.1	-ROOF DIAPHRAGM -FLOOR DIAPHRAGM -SHEAR WALL SHEATHING	NONE
SOILS	IBC 2012 TABLE 1705.6	REFER TO TABLE	NONE
WIND	NOT REQUIRED	NOT REQUIRED	NONE
SEISMIC	NOT REQUIRED	NOT REQUIRED	NONE

MARK	WIDTH	LENGTH	DEPTH	REINFORCING
F-1	6'-0"	6'-0"	3'-4"	6-#6 EA WAY TOP & BOTTOM



TYPICAL FOOTING STEP



TYPICAL FOOTING DETAILS @ UNDERGROUND PLUMBING

DESIGN DATA

GOVERNING CODE: 2018 INTERNATIONAL BUILDING CODE

FOUNDATION PARAMETERS:

A SOIL INVESTIGATION HAS NOT BEEN PERFORMED ON THIS SITE. THE CONTRACTOR SHALL ENGAGE A GEOTECHNICAL ENGINEER TO VERIFY THAT THE FOUNDATION SUBGRADE IS SUITABLE TO SUPPORT THE STRUCTURE BASED ON THE ASSUMED BEARING PRESSURE. THE GEOTECHNICAL ENGINEER SHALL SUBMIT A REPORT TO THE ARCHITECT WITH HIS FINDINGS AND RECOMMENDATIONS IF THE SUBGRADE IS FOUND TO BE UNACCEPTABLE.

MINIMUM FOOTING DEPTH FOR FROST (BELOW FINISH GRADE)	42 IN
ASSUMED ALLOWABLE SOIL BEARING PRESSURE	
CONTINUOUS FOOTINGS	1500 PSF
PAD FOOTINGS	1500 PSF

DESIGN LOADS:

BUILDING CATEGORY	
ROOF LIVE LOAD	
MINIMUM LIVE LOAD	20 PSF
MECH. UNITS	REFER TO PLAN

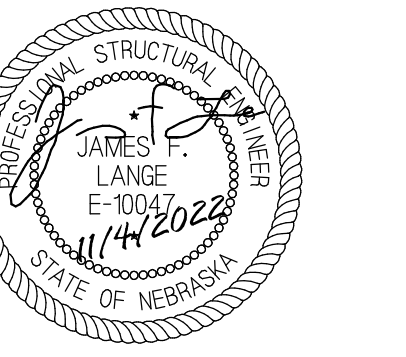
GROUND SNOW (P _s)	25 PSF
FLAT ROOF SNOW (P _f)	25 PSF
SNOW EXPOSURE (C _e)	1.0
THERMAL FACTOR (C _t)	1.1
SNOW IMPORTANCE FACTOR (I _s)	1.0
UNBALANCED SNOW LOADS	ASCE 7-10 SECTION 7.8
SNOW DRIFTING	REFER TO PLAN

WIND	
ULTIMATE WIND SPEED	115 MPH
ASD WIND SPEED	90 MPH
EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	0.18
NET UPLIFT ON JOIST	15 PSF

SEISMIC	
SEISMIC IMPORTANCE FACTOR (I _s)	1.0
SITE CLASS	D
S ₁	0.002
S ₂	0.037
S _{0.1}	0.087
S _{0.5}	0.089
SEISMIC DESIGN CATEGORY	A

MATERIAL PROPERTIES:

CONCRETE	f' _c	w _c
28 DAY CONCRETE STRENGTHS (MINIMUM):		
FOOTINGS	4000 PSI	0.48



City Of Lexington
New Commercial Building
Lexington, NE

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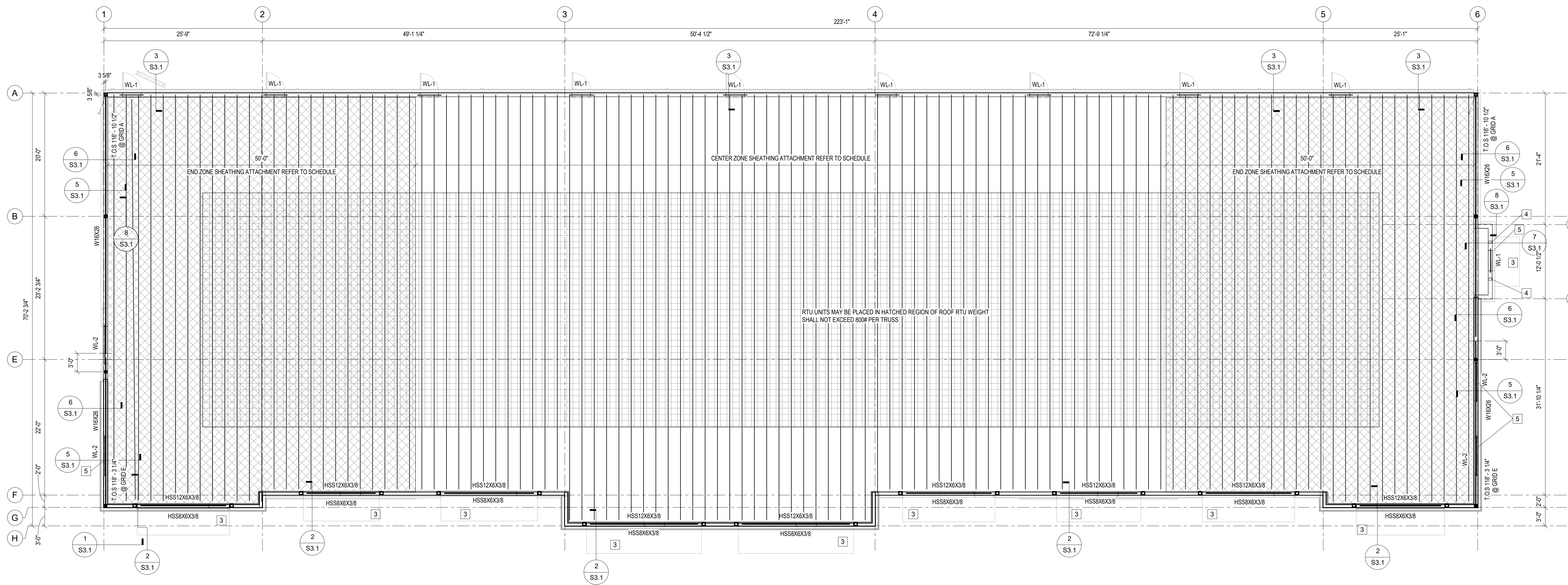
STRUCTURAL PLANS

Project Number: 2235
Date: 11/04/2022

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Sheet Number:

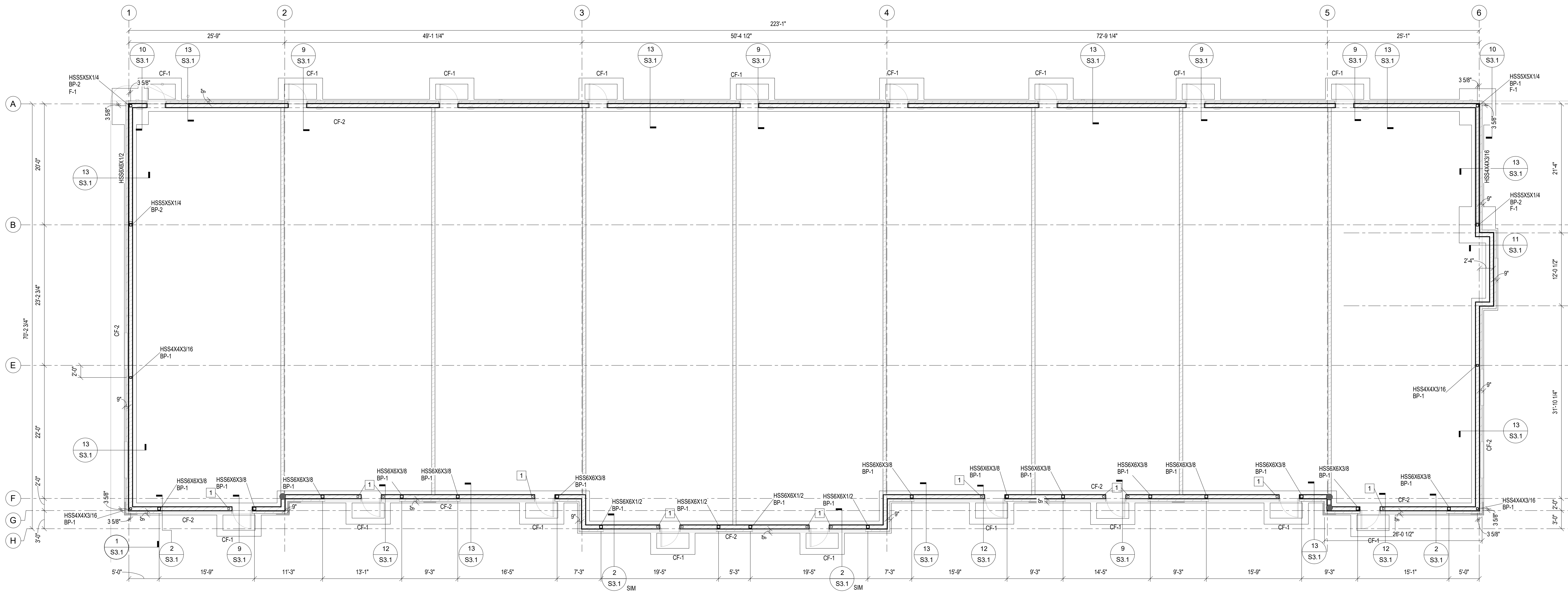
S2.1



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

GENERAL ROOF PLAN NOTES

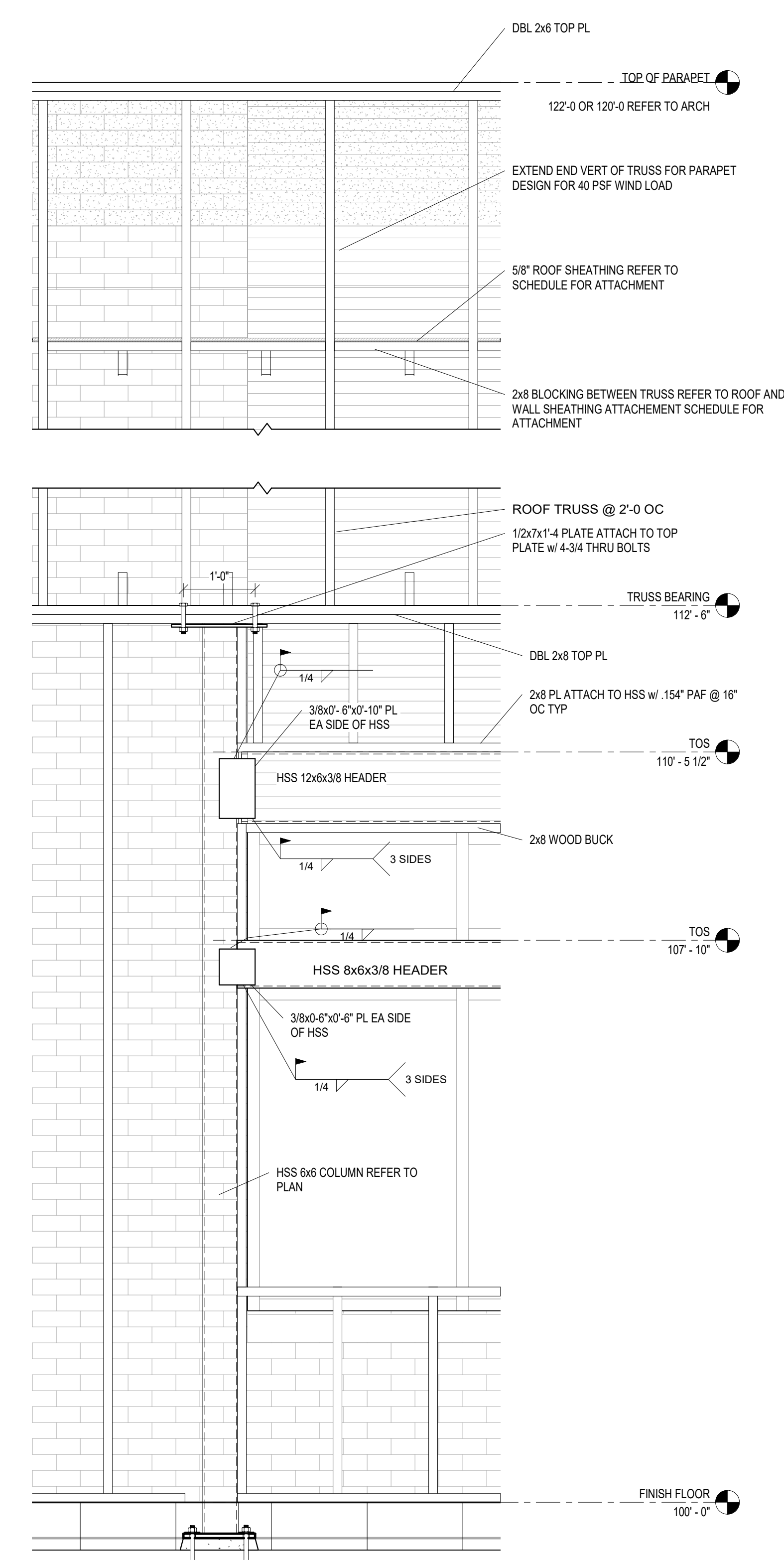
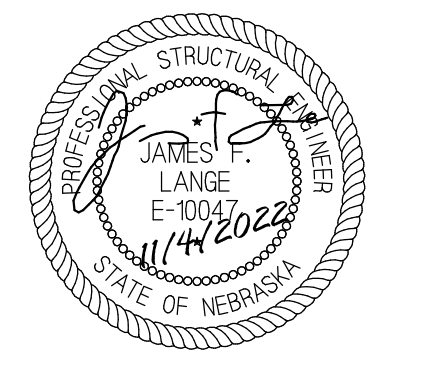
- REFER TO DESIGN DATA, SCHEDULES & TYP DETAILS
 - INDICATES KEYNOTE REFER TO PLAN FOR LOCATION
 - UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE TO FACE OF WALL FRAMING OR CENTERLINE OF COLUMNS
- ROOF KEYNOTES
- REFER TO PLAN FOR LOCATION NOT ALL NOTES OCCUR ON EA SHEET
 - ROOF TRUSSES @ 24" OC. BY SUPPLIER
 - PREFAB CANOPY BY SUPPLIER DESIGN FOR 50 PSF SNOW LOAD
 - 3-2x8 STUD PACK @ CANOPY SUPPORT COORDINATE W/ SUPPLIER
 - 5/16x7x4 1/2 LVL GALV. BENT PL BRICK LINTEL W/ 6" BRG EACH END



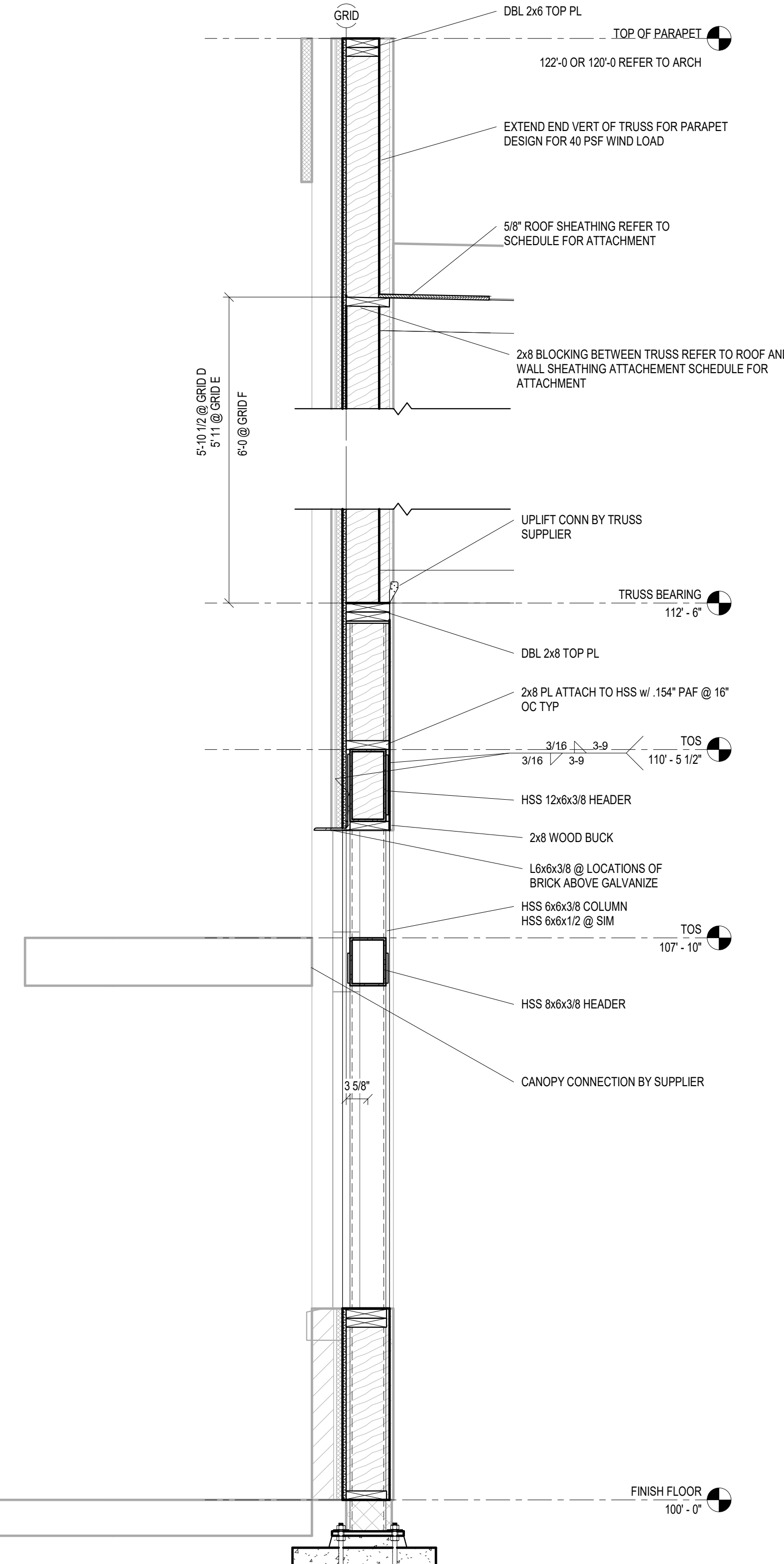
1 FOUNDATION PLAN
1/8" = 1'-0"

GENERAL FOUNDATION PLAN NOTES

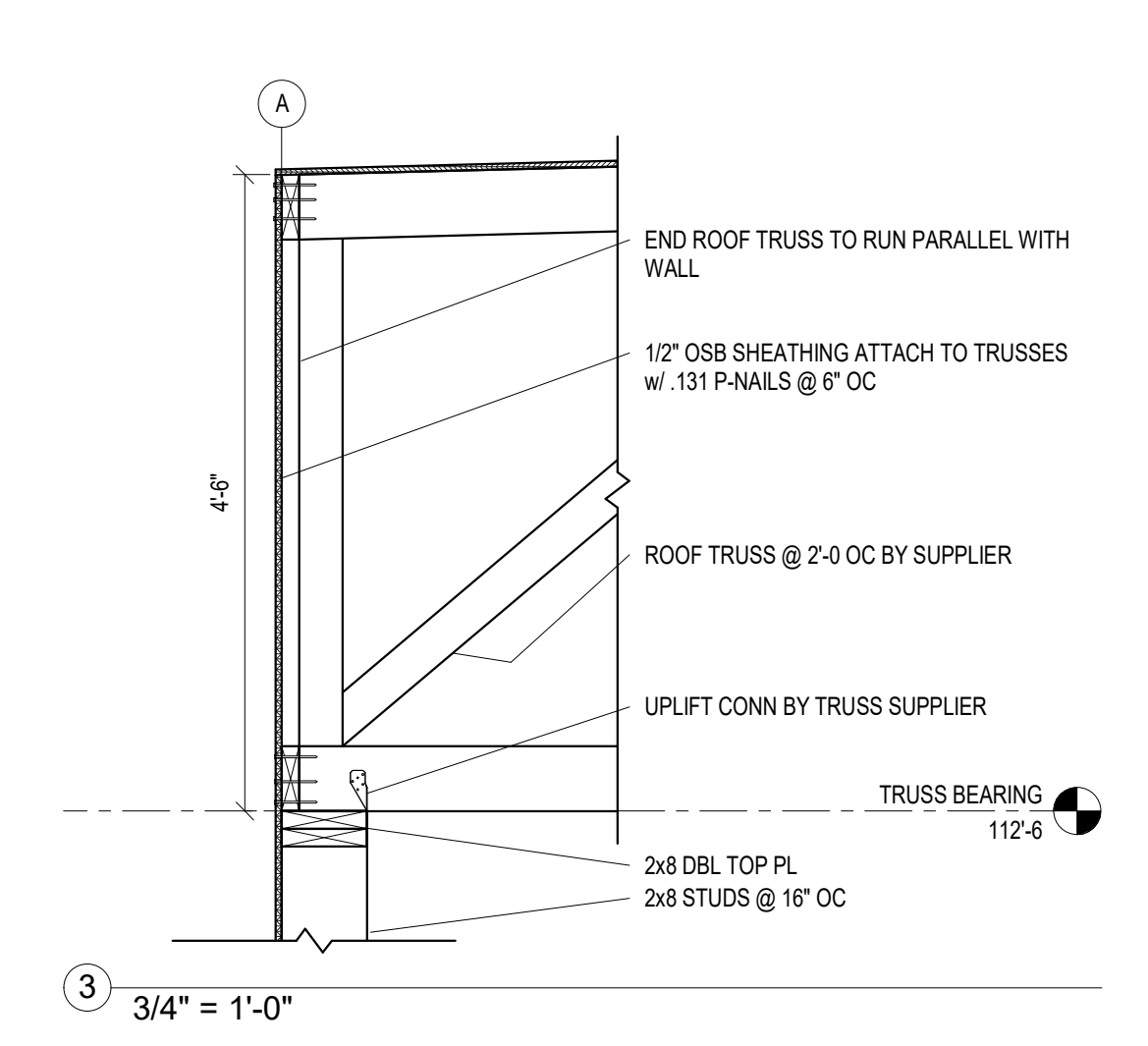
- REFER TO DESIGN DATA, SCHEDULES & TYP DETAILS
 - INDICATES KEYNOTE REFER TO PLAN FOR LOCATION
 - TOF = 99'-4 UNLESS NOTED OTHERWISE
 - COLUMN SCHEDULE GUIDE:
C-X COLUMN MARK
BP-X BASE PLATE MARK
F-X FOOTING MARK
XX-X TOP OF FOOTING
 - FINISH FLOOR = 100'-0
 - 4" CIP SLAB ON PROPERLY PREPARED SUBGRADE. REINFORCE W/ 6x6 W1.4XW1.4 WWF. REFER TO ARCH FOR VAPOR BARRIER
 - INDICATES SIMPSON DTT22-SDB2.5 HOLD DOWN LOCATION
- FOUNDATION KEYNOTES
- HSS44x14 STUB COL REFER TO DTL, 12 / S3.1



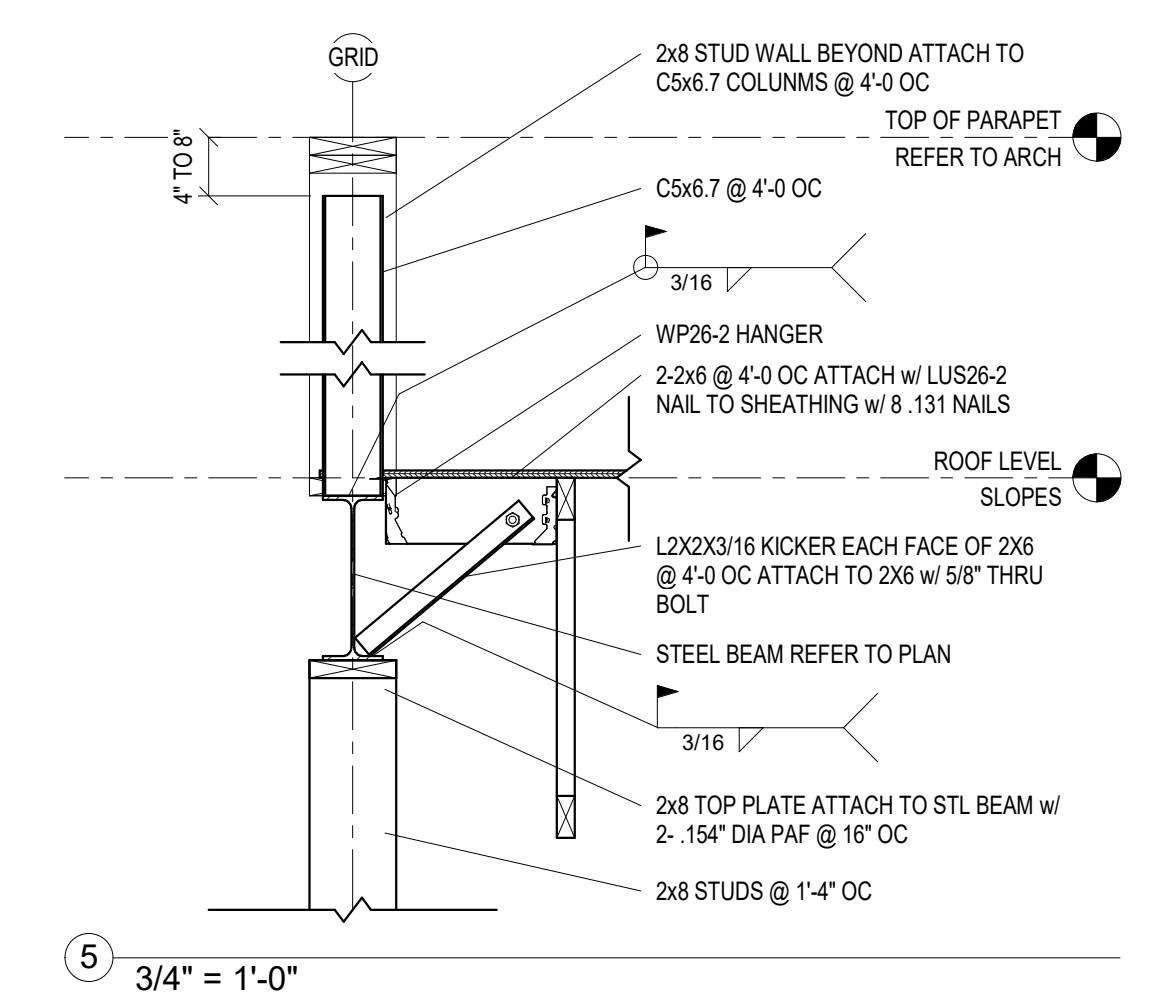
1 3/4" = 1'-0"



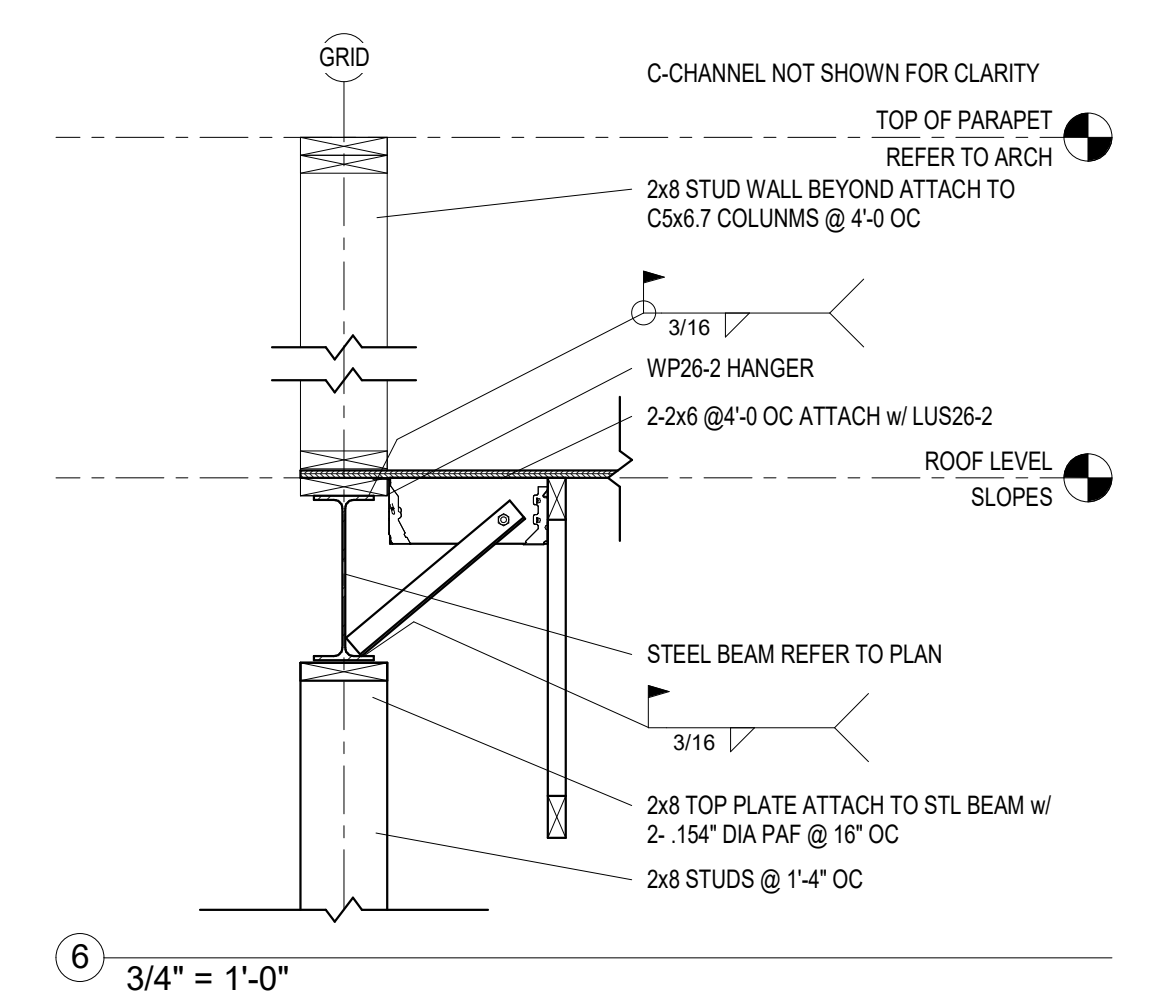
2 3/4" = 1'-0"



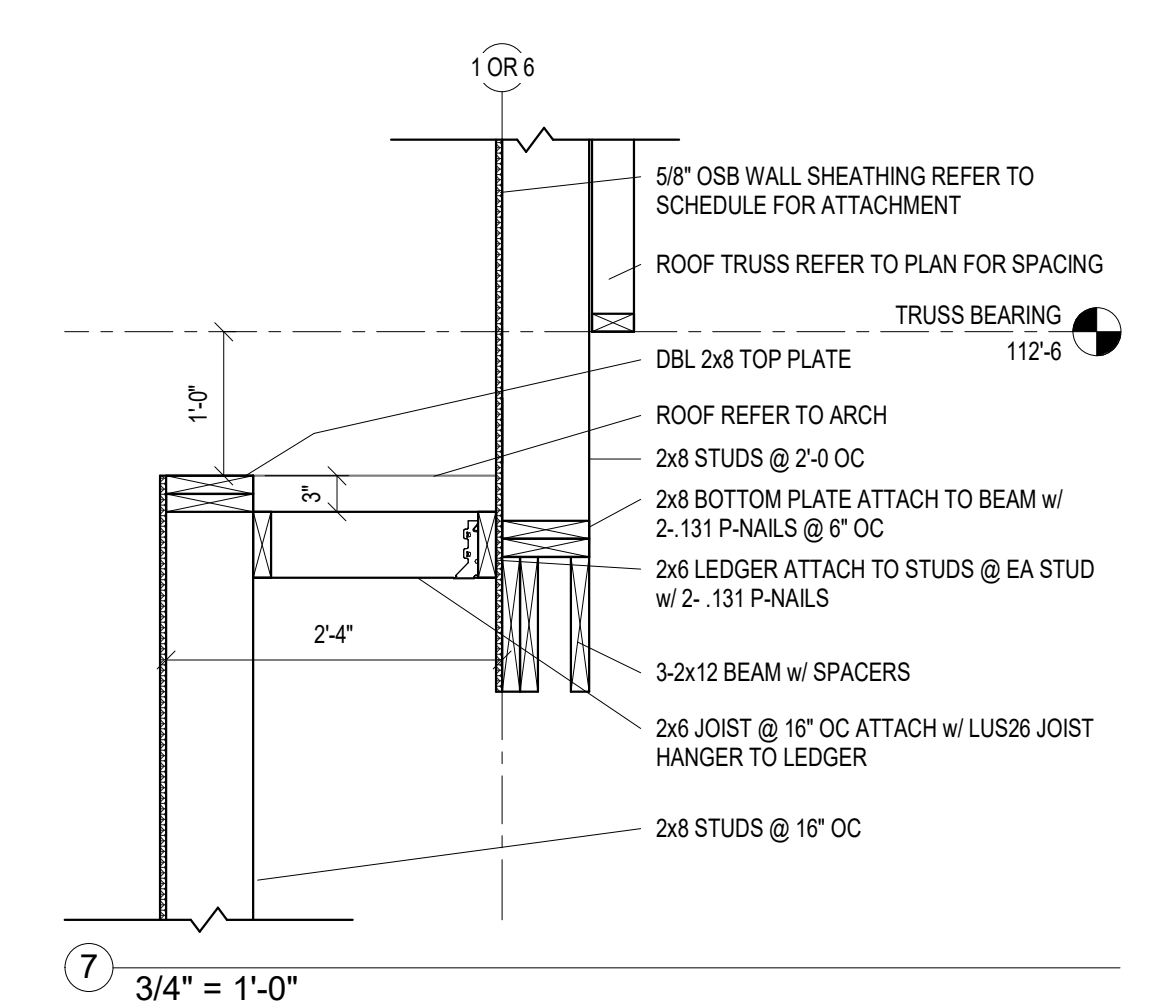
3 3/4" = 1'-0"



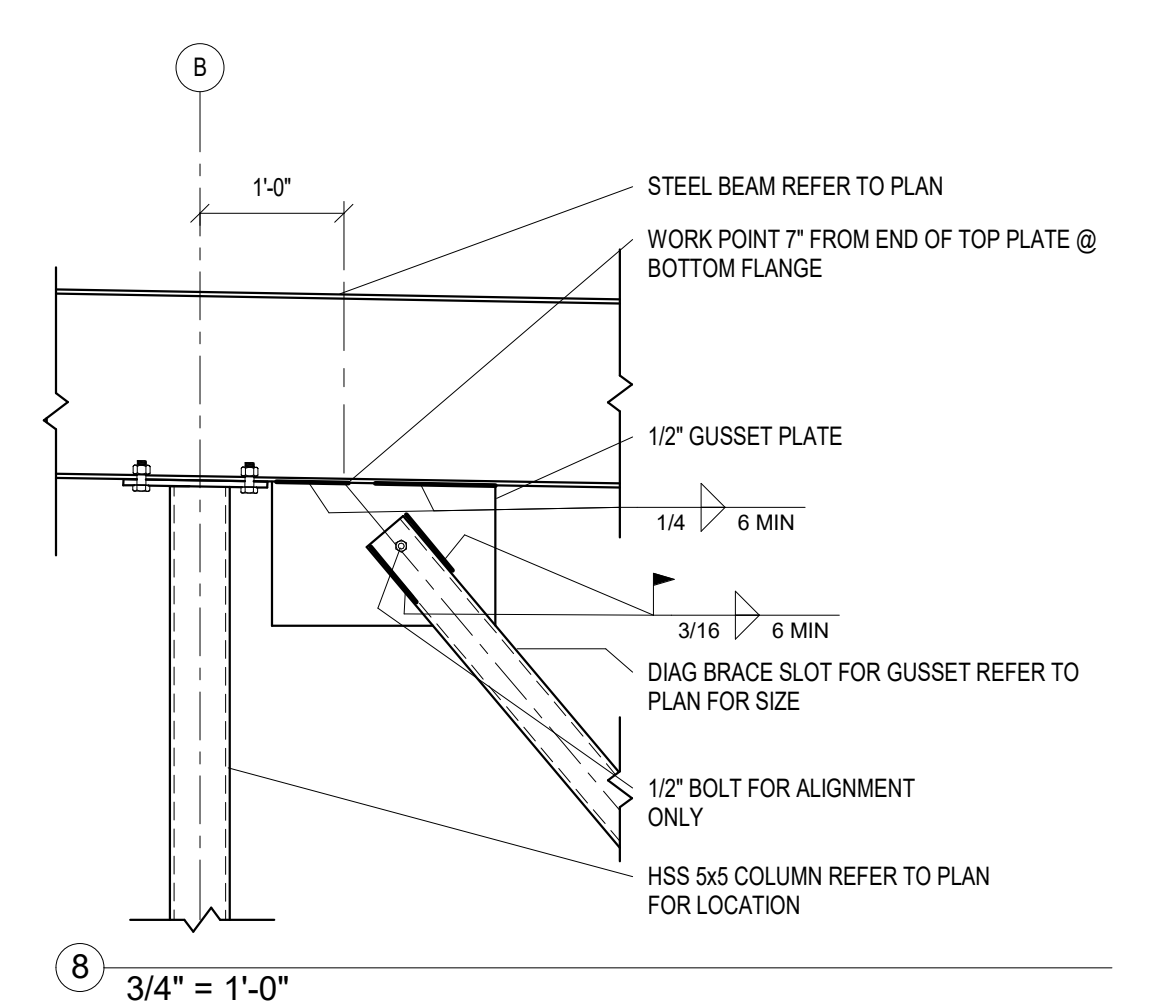
5 3/4" = 1'-0"



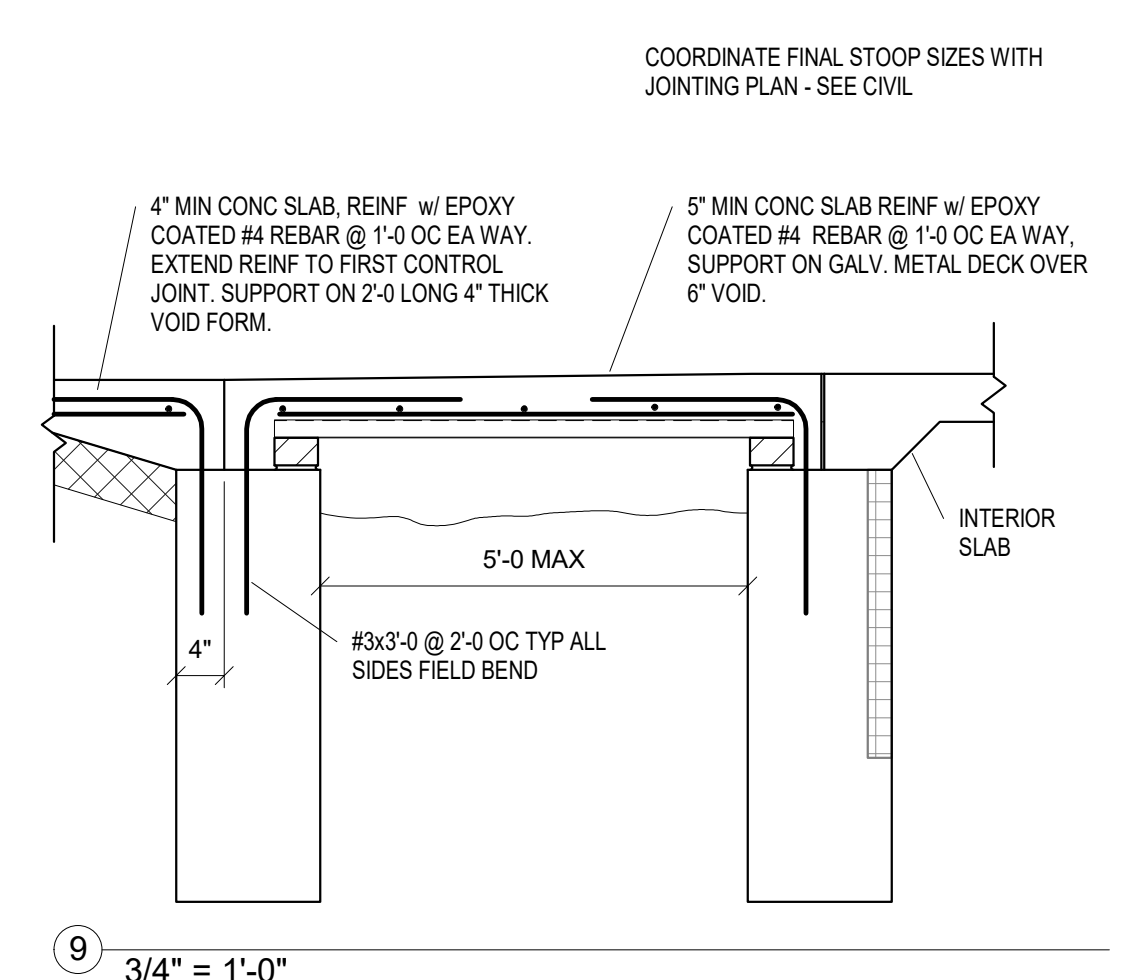
6 3/4" = 1'-0"



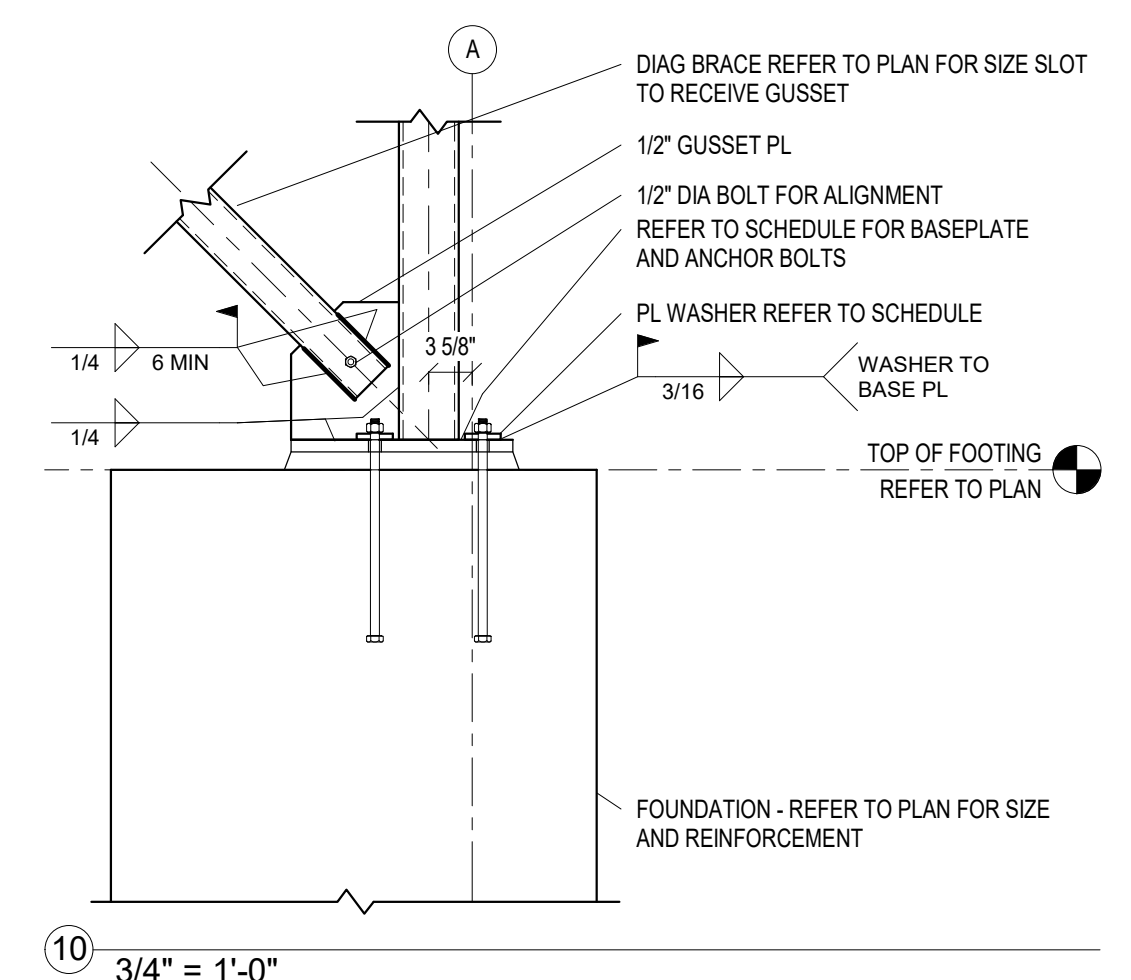
7 3/4" = 1'-0"



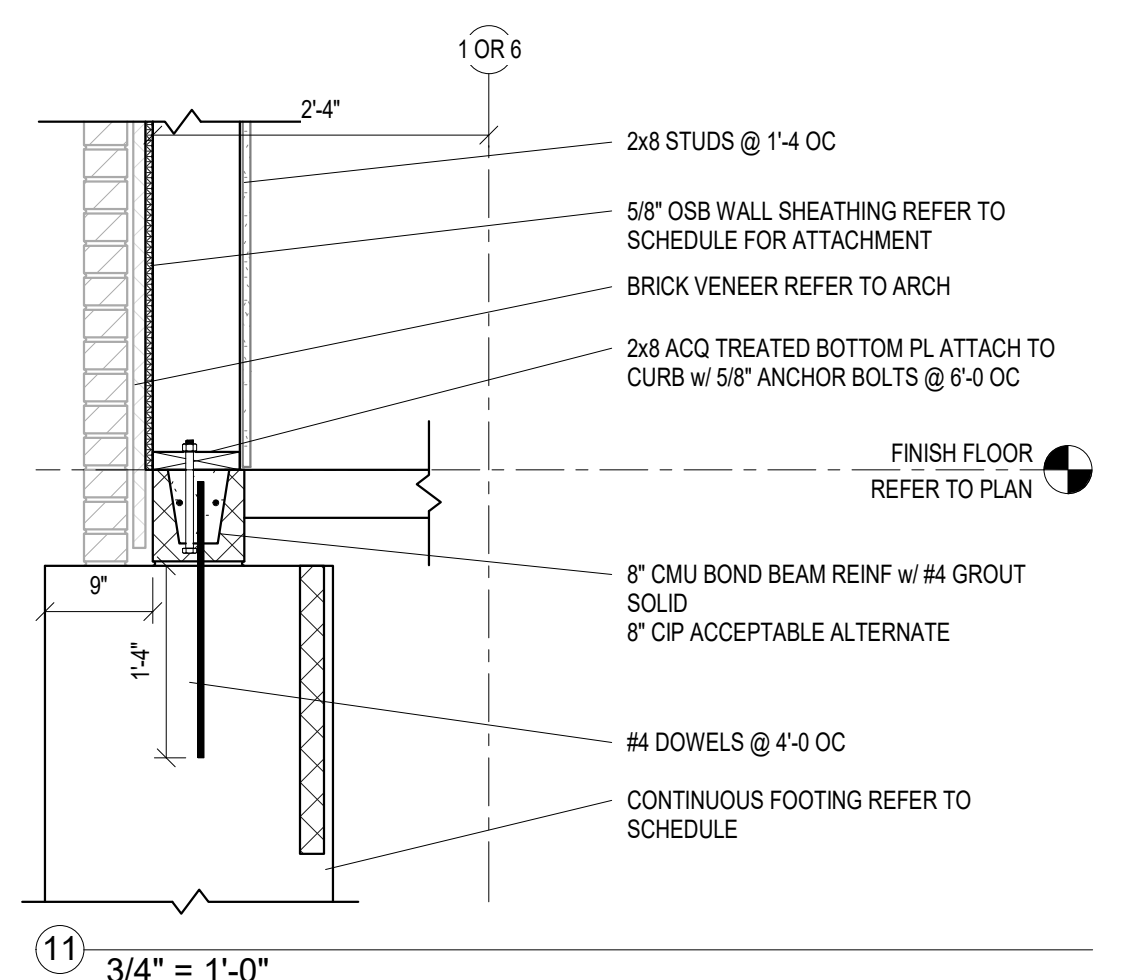
8 3/4" = 1'-0"



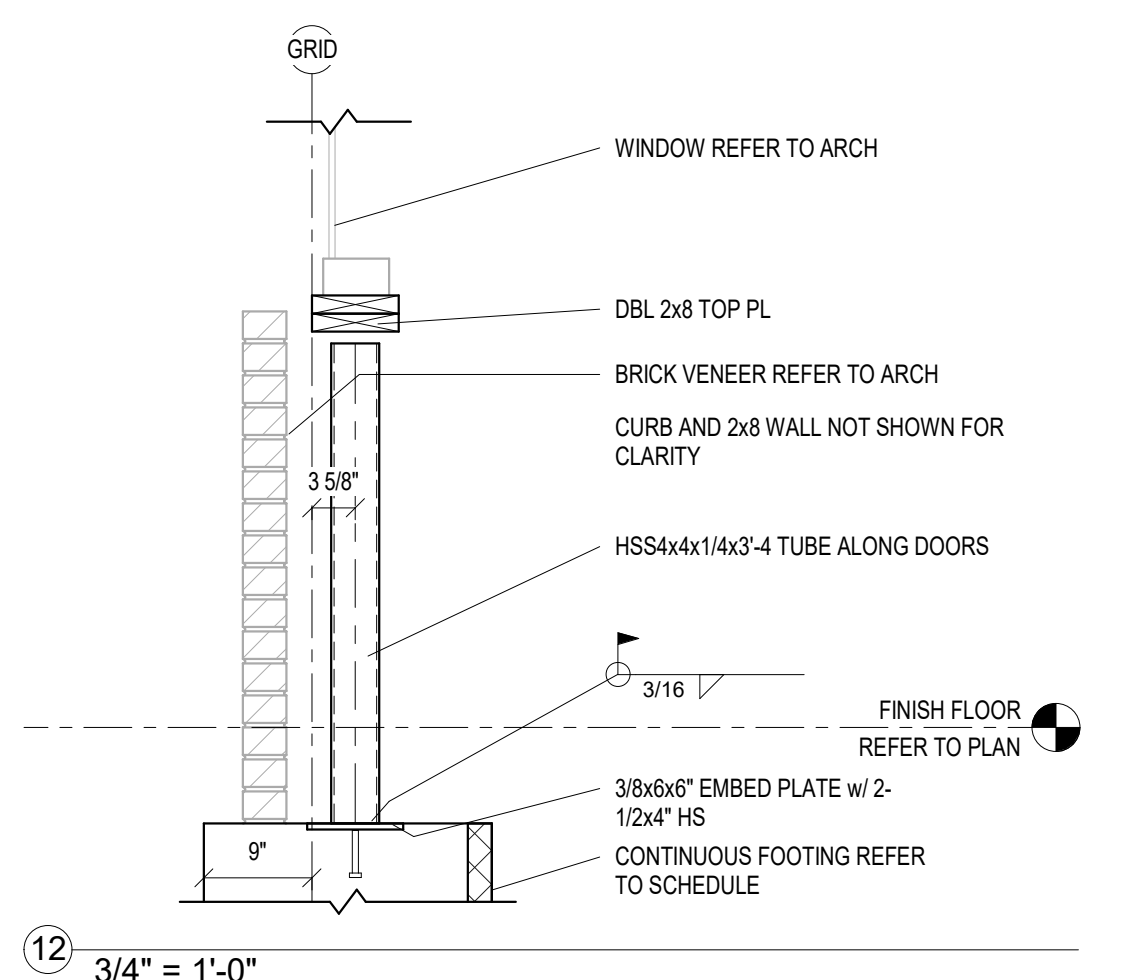
9 3/4" = 1'-0"



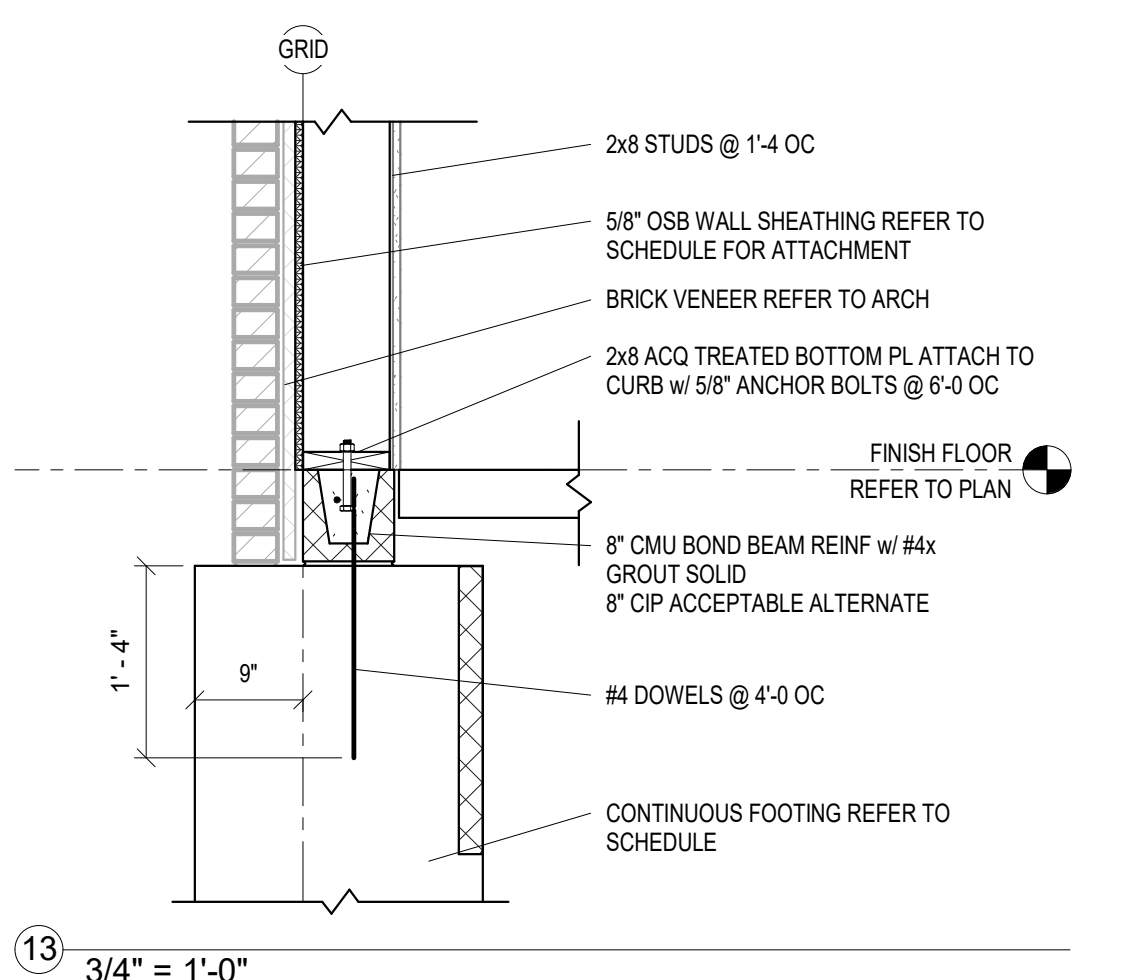
10 3/4" = 1'-0"



11 3/4" = 1'-0"



12 3/4" = 1'-0"



13 3/4" = 1'-0"

**City Of Lexington
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STRUCTURAL DETAILS

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S3.1