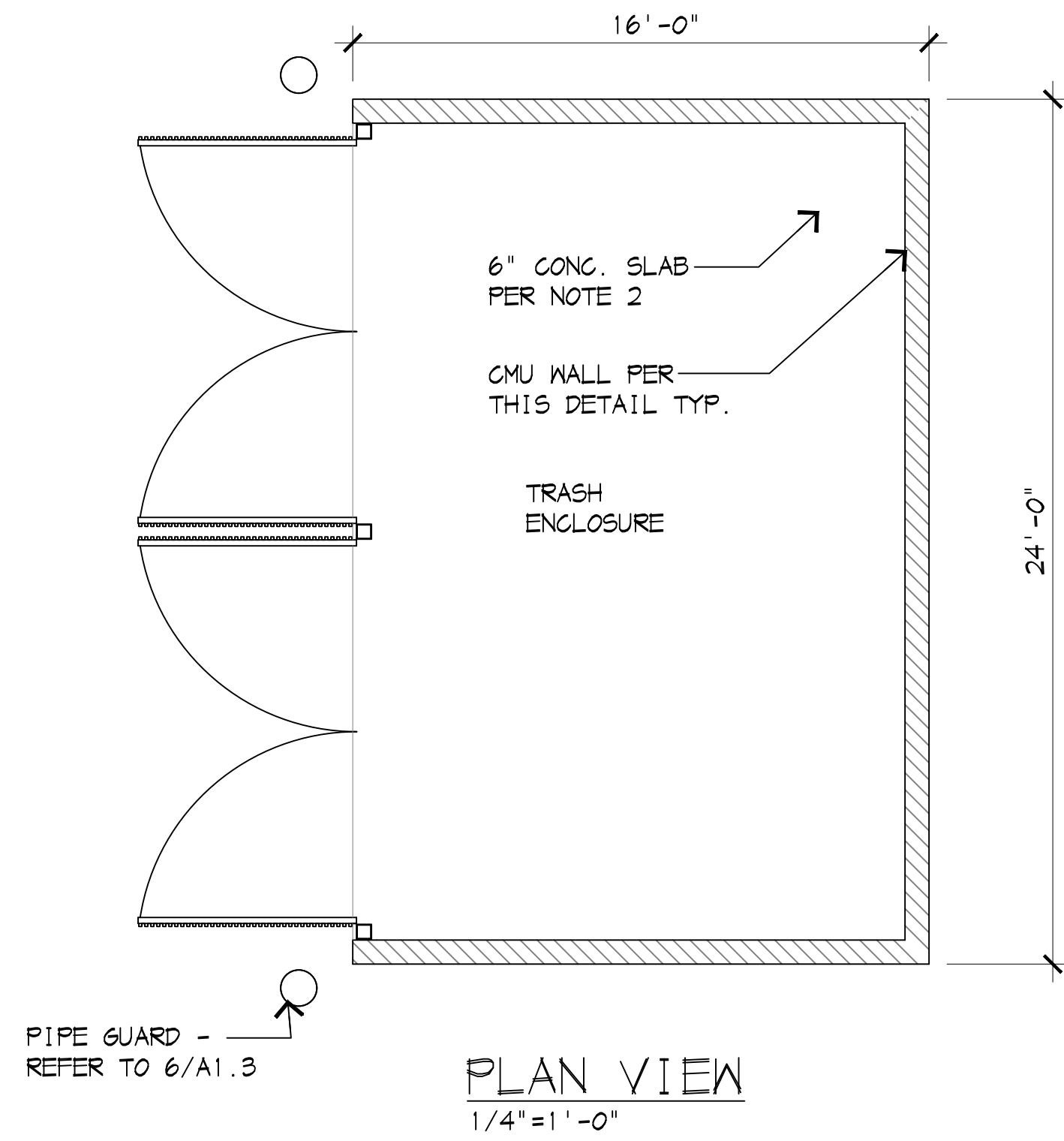
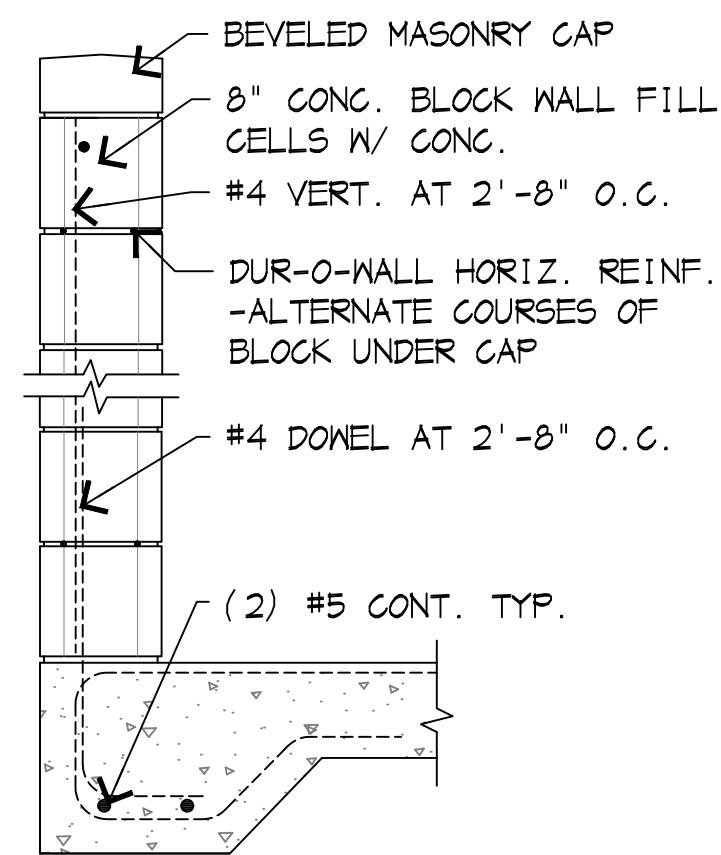


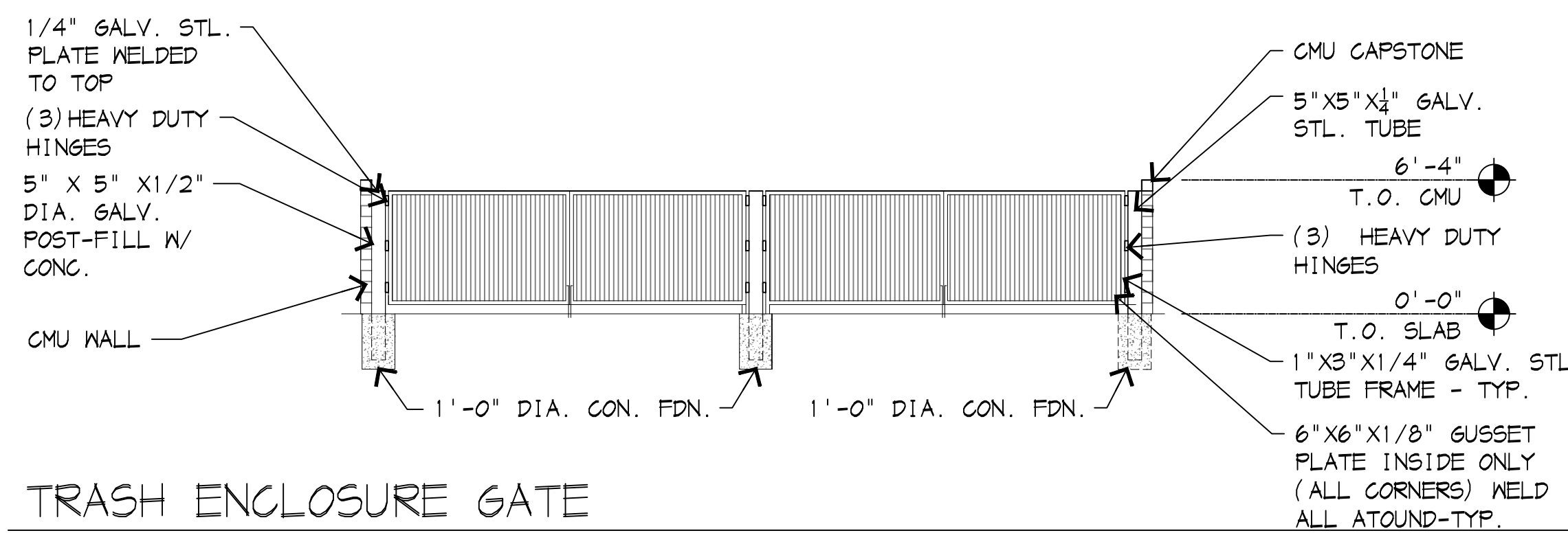
CITY of ARLINGTON - KING INDUSTRIAL  
ZONING PERMIT FILE NO.: PLN#952  
SECTION 22 TOWNSHIP 31 RANGE 05

NOTES:

1. CMU COLOR AND TEXTURE TO MATCH BUILDING.
2. 6" CONC. SLAB W/6" X 6" W/ W2.9 X W2.9 N.W.F.
3. TYP. WALL FTG. 12" X 12" CONT. W/ (2) #5 BOTTOM REINF.
4. 6" CONC. APRON W/#4 BARS @ 16" O.C. EA. WAY.
5. FOR SLAB FINISHED GRADES SEE CIVIL DWGS.



TRASH ENCLOSURE



TRASH ENCLOSURE GATE

DRAWING INDEX

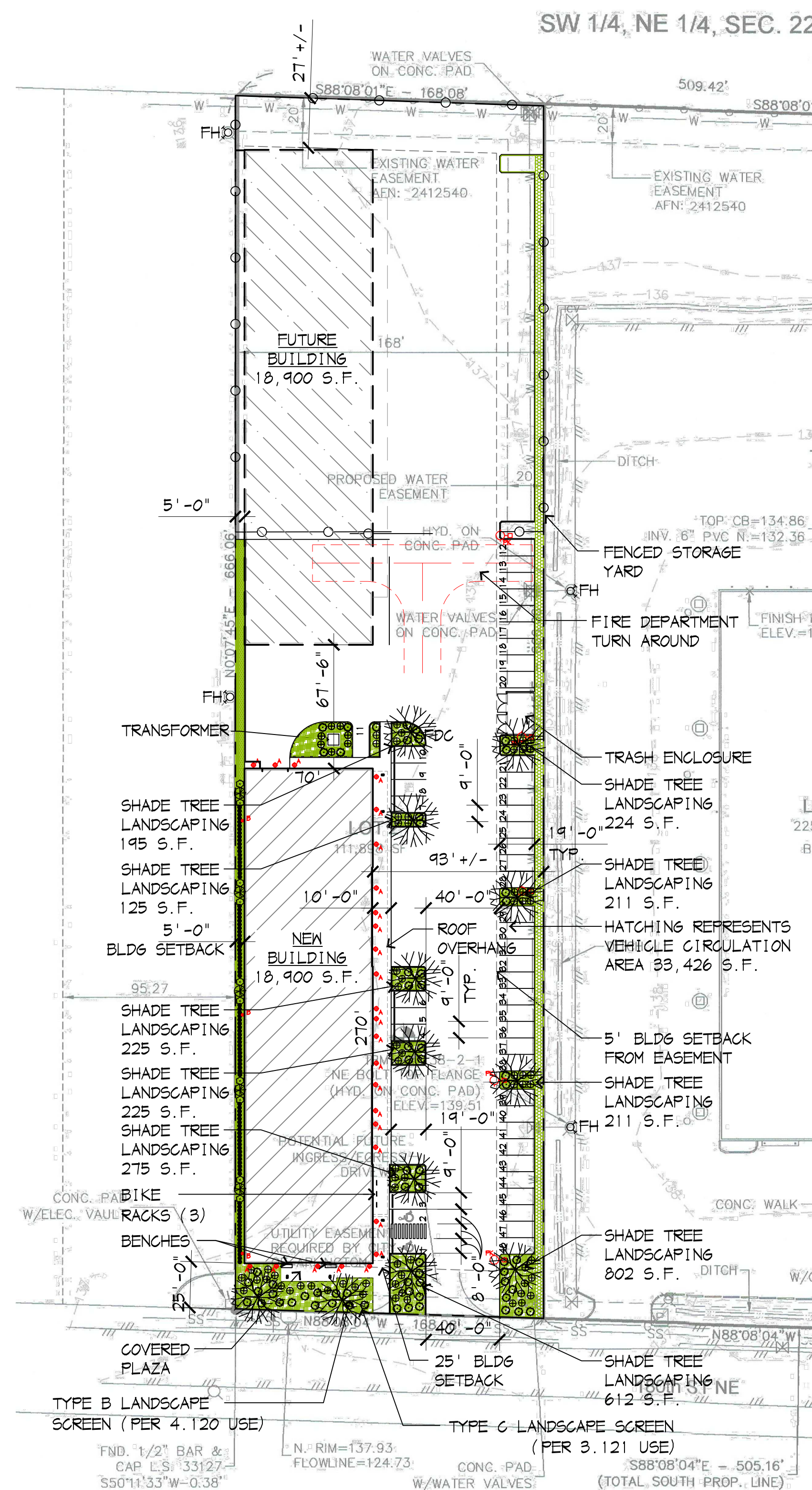
- SITE**
  - A1.1 SITE PLAN, PROJECT CRITERIA
  - A1.2 SITE LIGHTING PLAN
  - A1.3 SITE DETAILS
  - L1.1 LANDSCAPE PLAN
- CIVIL**
  - C1.0 SWPP PLAN
  - C2.0 SEWER & WATER PLAN
  - C2.1 STANDARD DETAILS
  - C2.2 STANDARD DETAILS
  - C3.0 STORM DRAINAGE PLAN & PROFILE
  - C3.1 STORM DETAILS
  - C4.0 PAVING PLAN
- ARCHITECTURAL**
  - A2.1 FLOOR PLAN
  - A2.2 ROOF PLAN
  - A3.1 EXTERIOR ELEVATIONS
  - A4.1 BUILDING SECTION AND STAIR SECTIONS
  - A4.2 WALL SECTION
  - A5.1 DOOR, WINDOW, AND FINISH SCHEDULES
  - A5.2 INTERIOR RESTROOM ELEVATIONS
  - A5.3 DETAILS
- STRUCTURAL**
  - S1.0 GENERAL STRUCTURAL NOTES
  - S1.1 GENERAL STRUCTURAL NOTES
  - S1.2 SPECIAL INSPECTION SCHEDULE AND ABBREVIATIONS
  - S2.0 FOUNDATION PLAN
  - S2.1 ROOF FRAMING PLAN
  - S2.2 OFFICE FOUNDATION PLAN & MEZZANINE FRAMING PLAN
  - S3.0 INTERIOR ELEVATIONS
  - S3.1 INTERIOR ELEVATIONS
  - S4.0 TYPICAL CONCRETE DETAILS
  - S4.1 DETAILS
  - S4.2 FOUNDATION DETAILS
  - S5.0 STEEL DETAILS
  - S5.1 STEEL DETAILS
  - S6.0 TYPICAL LIGHT GAUGE DETAILS
  - S6.1 TYPICAL LIGHT GAUGE DETAILS
  - S6.2 DETAILS
  - S7.0 CANOPY PLANS AND DETAILS

**OWNER**  
DKS INC.  
MIKE KING  
PO BOX 3729  
ARLINGTON, WA 98274  
T: 360-474-1333  
E: MIKE.DKS@FRONTIER.COM

**ARCHITECT**  
2812 ARCHITECTURE  
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**CIVIL ENGINEER**  
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STEVE MASON  
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E: STEVE@HARMSENLLC.COM

**STRUCTURAL ENGINEER**  
QUANTUM CONSULTING ENGINEERS LLC  
JOHN RILEY  
1511 THIRD AVE.  
SUITE 323  
SEATTLE, WA 98101  
T: 206-957-3900  
E: JRILEY@QUANTUMCE.COM



SITE PLAN

1" = 50'-0"

CODE ANALYSIS PER IBC TABLE 602

	F.S	CONST.	FIRE
	DISANCE	TYPE	RATING
NORTH	X>30'	VB	5-2 0
EAST	X>30'	VB	5-2 0
SOUTH	10'>X>30'	VB	5-2 0
WEST	X=5'	VB	5-2 1 HR

PER TABLE 721.1(2) A SOLID CONCRETE WALL (4-1.1) NEEDS TO BE AT LEAST 3.5" THICK TO HAVE A 1 HOUR FIRE RATING. THE MINIMUM PANEL THICKNESS FOR THE WEST WALL IS 7.25" THICK.

PROJECT CRITERIA

SCOPE OF WORK

NEW 18,900 S.F. INDUSTRIAL BUILDING AND ASSOCIATED SITE IMPROVEMENTS

TAX ACCOUNT NO. 31052200103400

LEGAL DESCRIPTION

Section 22 Township 31 Range 05 Quarter NE LOT 2 AS DELINEATED ON CITY ARL SP FILE NO PLN 745 REC AFN 202105215002 BEING PTN SW1/4 NE1/4 SD SEC

CODES

- 2018 INTERNATIONAL BUILDING CODE (IBC)
- 2018 INTERNATIONAL MECHANICAL CODE (IMC)
- 2018 INTERNATIONAL FIRE CODE (IFC)
- 2018 UNIFORM PLUMBING CODE (UPC)

BUILDING CRITERIA

- ZONING: G1 (GENERAL INDUSTRIAL)
- SEISMICALLY: CLASS C SOILS
- MAX. HEIGHT: 50'
- OCCUPANCY: S-2
- CONSTRUCTION TYPE: VB
- FIRE SPRINKLERS: YES
- FIRE ALARM: YES
- AIRPORT PROTECTION DIST.: SUBDISTRICT B
- MIN. LOT SIZE: 10,000 S.F.
- MIN. LOT WIDTH: 70'
- NON-ARTERIAL BLDG. SETBACK: 25' MIN.
- LOT LINE BLDG. SETBACK: 5' MIN.
- ALLOWABLE LOT COVERAGE: 100%

TOTAL BUILDING AREA:  
BUILDING A 18,900 S.F.  
FUTURE BUILDING B 18,900 S.F.  
TOTAL AREA 37,800 S.F.

PARKING CALCULATIONS

- REQUIRED PARKING:
- INITIAL USE 4,200 OR 10,300
- PARKED FOR 3,220 (MOST RESTRICTIVE FOR POSSIBLE FUTURE TENANTS)
- 1 STALL PER 800 SF OF BLDG. AREA
- 37,800 S.F./800 = 48 STALLS
- TOTAL REQUIRED: 48 STALLS
- PARKING PROVIDED: 48 STALLS

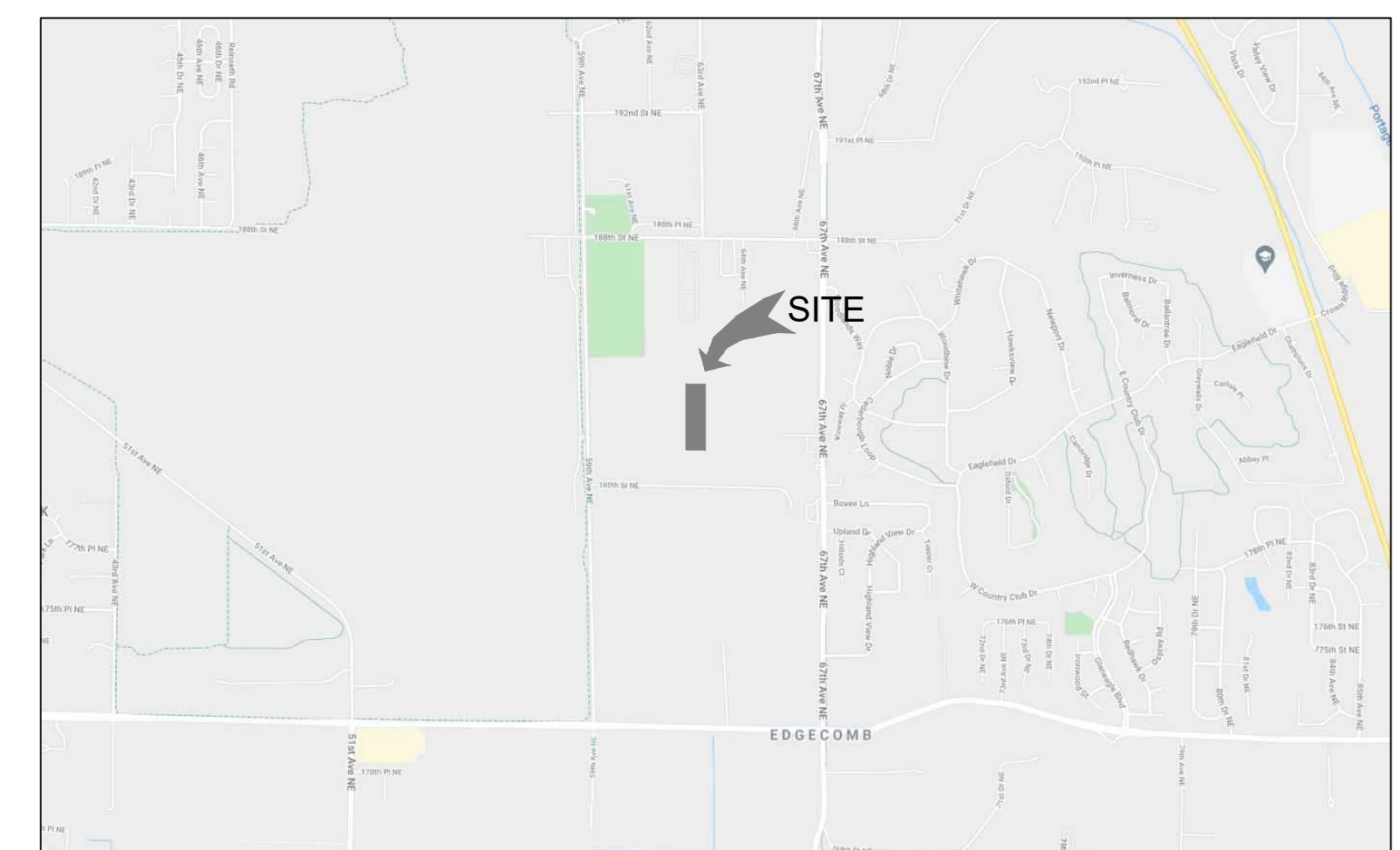
UTILITY DISTRICTS

- POWER: SNOHOMISH COUNTY PUD
- WATER: CITY OF ARLINGTON
- SEWER: CITY OF ARLINGTON
- TELEPHONE: VERIZON/FRONTIER
- GAS: CASCADE NATURAL GAS

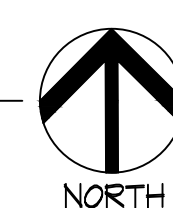
SEPARATE SUBMITTALS

- ELECTRICAL
- MECHANICAL
- PLUMBING
- SIGNS
- FIRE PROTECTION / FIRE ALARM

\*NOTE: ALL SEPARATE SUBMITTALS SHALL BE REVIEWED AND APPROVED BY ARCHITECT PRIOR TO PERMIT SUBMISSION.



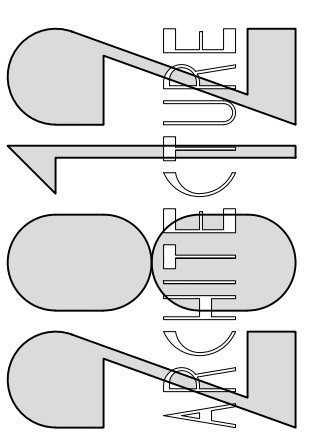
VICINITY MAP



Date:	16 MAR 2022	DESIGN REVIEW SUBMITTAL
	16 MAY 2022	ZONING PERMIT SUBMITTAL
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	22 FEB 2023	BUILDING PERMIT SUBMITTAL
	07 MAR 2023	BUILDING PERMIT RESUBMITTAL



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New Buildings for:  
**KING INDUSTRIAL**  
6221 180th St NE  
Arlington, Washington

Drawing:  
**A1.1**  
Job Number:  
21c-4332



PROPOSED LIGHT FIXTURES

N.T.S.

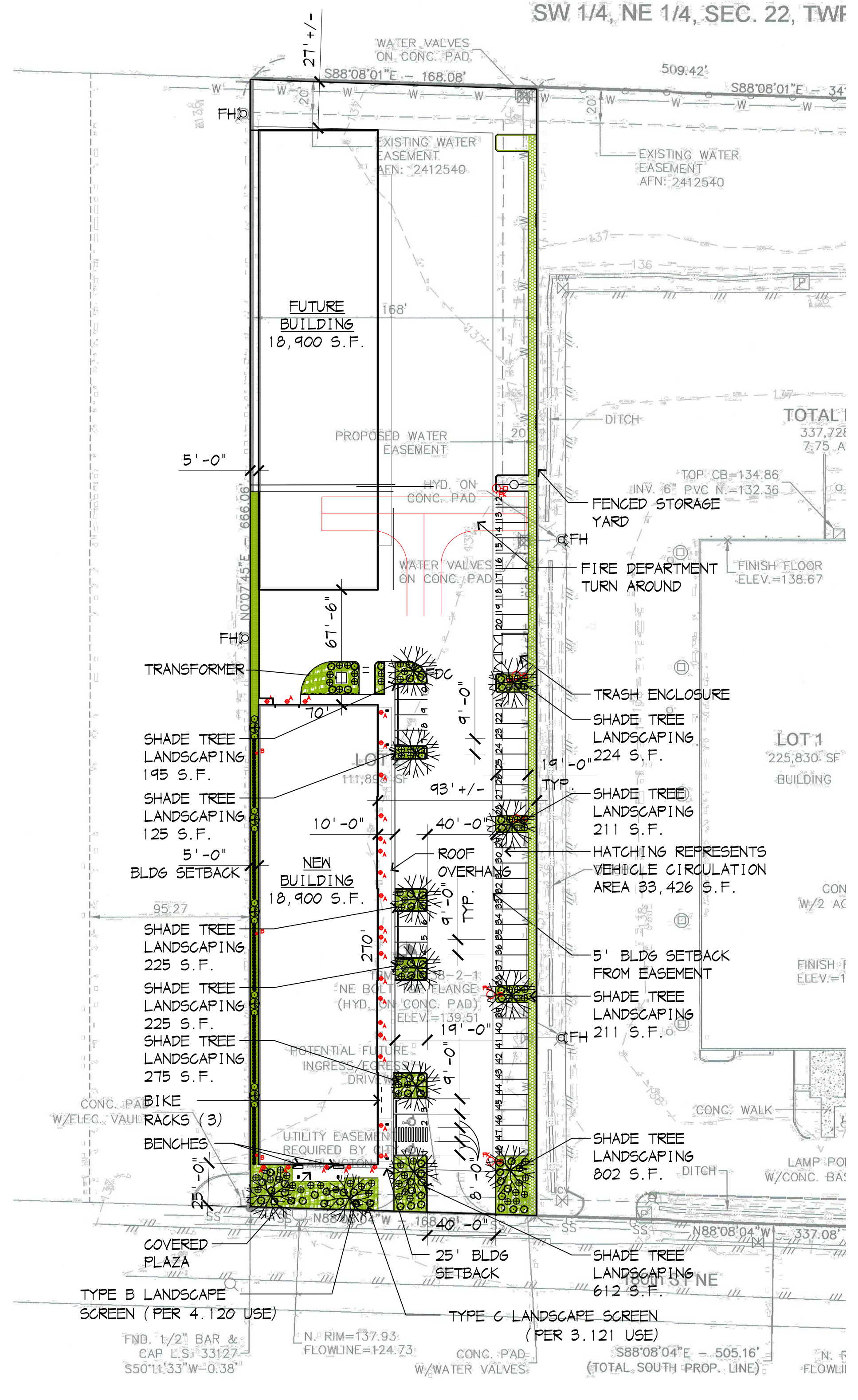
2018 NSEC LIGHTING ALLOWANCES

Table C405.5.3.(2)

PARKING LOT	TOTAL PARKING AREA = 34,175 S.F. AREA X NSEC ALLOWED WATTS/S.F. = TOTAL ALLOWED WATTS 34,175 FT X 0.06 W/FT = 2050 TOTAL ALLOWED WATTS 5 P-LOT LIGHTS @ 100W EA + TOTAL WATTAGE = 500 WATTS
BUILDING GROUNDS WALKWAYS (10' OR GREATER), PLAZA AREAS	FAÇADE WALL AREA = 3,214 S.F. FAÇADE WALL AREA X NSEC ALLOWED WATTS/S.F. = TOTAL ALLOWED WATTS 3,214 S.F. X .11 W/S.F. = 354 TOTAL ALLOWED WATTS ON BUILDING FAÇADES. TOTAL (4) X32W WATTAGE= 288 WATTS
LANDSCAPING	TOTAL FAÇADE WALL AREA = 1,350 S.F. FAÇADE WALL AREA X NSEC ALLOWED WATTS/S.F. = TOTAL ALLOWED WATTS 1,350 S.F. X .04 W/S.F. = 54 TOTAL ALLOWED WATTS ON BUILDING FAÇADES. TOTAL (3) X10W WATTAGE= 30 WATTS
ENTRANCE/EXIT ENTRY CANOPIES	TOTAL ENTRY CANOPY AREA = 952 S.F. ENTRY CANOPY AREA X NSEC ALLOWED WATTS/S.F. = TOTAL ALLOWED WATTS 952 S.F. X .4 W/S.F. = 381 TOTAL ALLOWED WATTS AT ENTRY CANOPIES. TOTAL (5) X32W WATTAGE= 160 WATTS
BUILDING FAÇADE	FAÇADE WALL AREA = 18,970 S.F. FAÇADE WALL AREA X NSEC ALLOWED WATTS/S.F. = TOTAL ALLOWED WATTS 18,970 S.F. X .113 W/S.F. = 2,144 TOTAL ALLOWED WATTS ON BUILDING FAÇADES. TOTAL (6) X32W WATTAGE= 192 WATTS

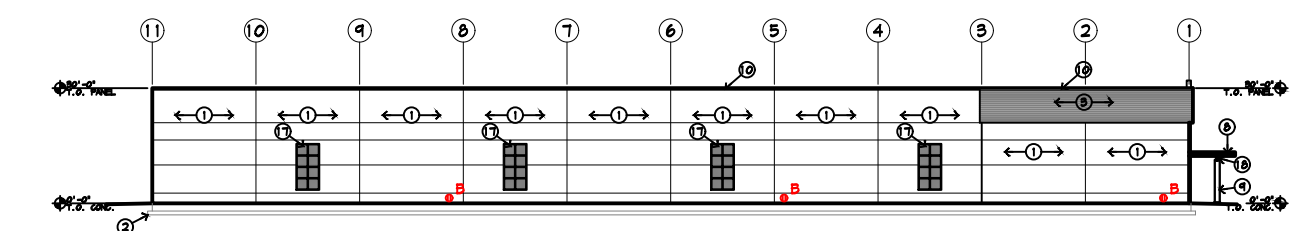
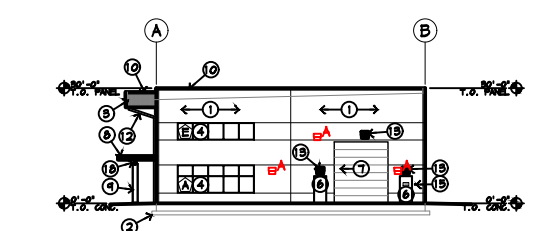
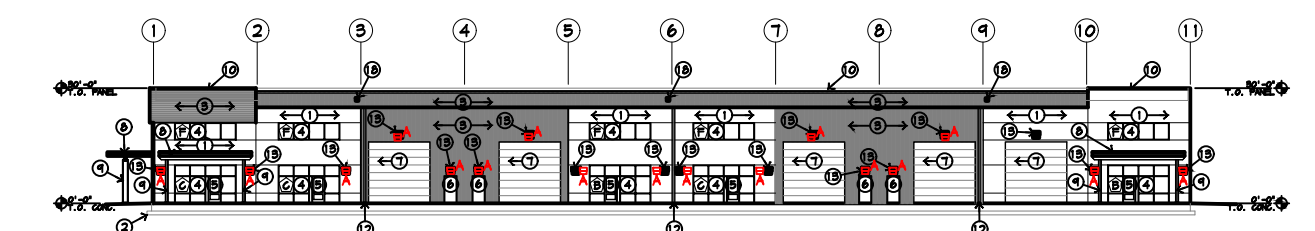
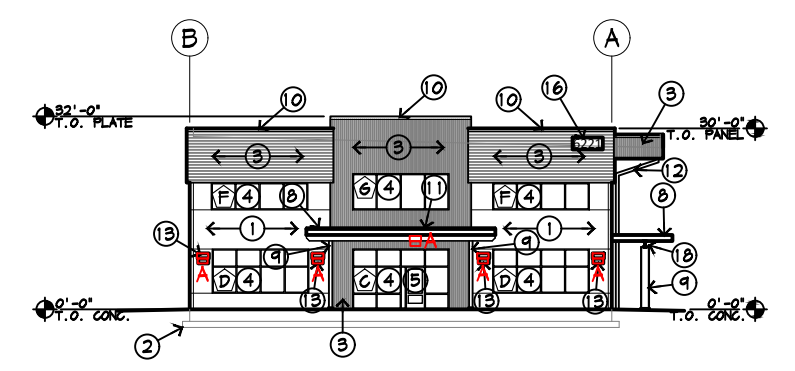
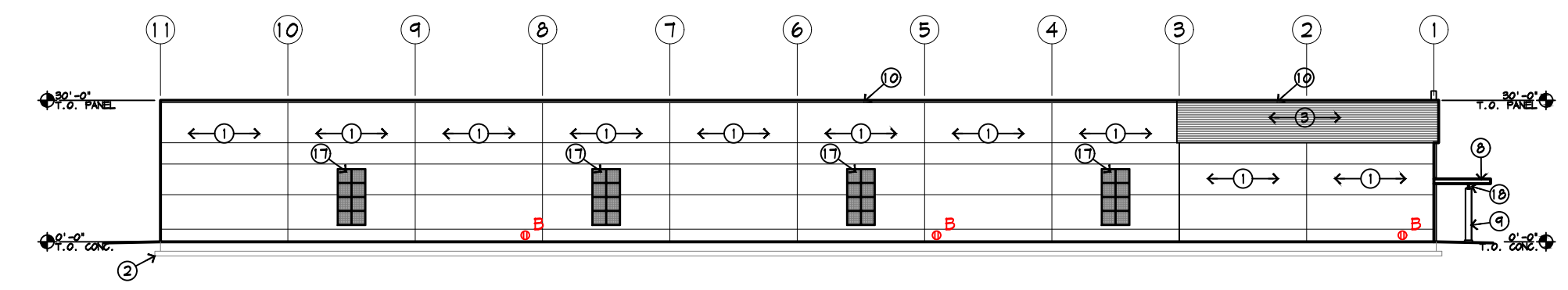
LIGHT LEGEND

	PARKING LOT LIGHTING (100W) LED SHOE BOX FIXTURE 25' POLE W/18" DIA 24" HIGH CONC. BASE
	LED WALL PAC @ 32W EACH
	LED WALL PAC WALKWAY PEDESTRIAN LIGHTING @ 32W EACH
	LED HOODED LANDSCAPE SPOTLIGHT @ 10W EACH



LIGHTING PLAN

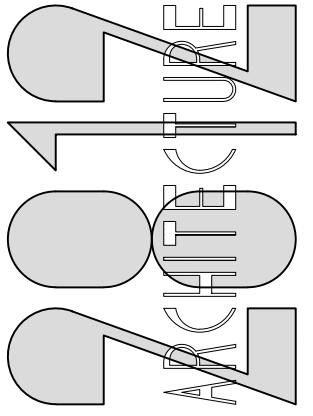
1" = 50'-0"



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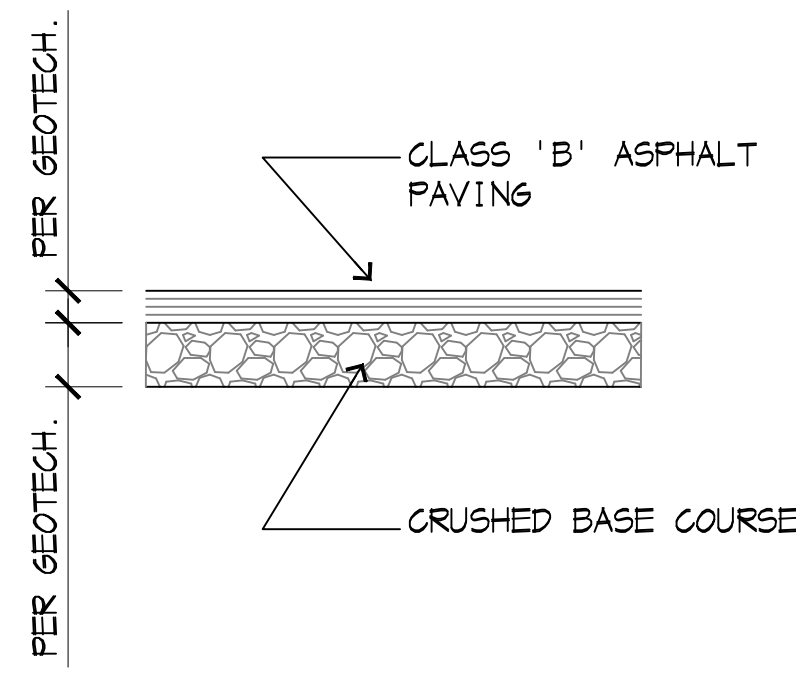


New Buildings for:  
**KING INDUSTRIAL**  
6221 180th St NE  
Arlington, Washington  
SITE LIGHTING PLAN

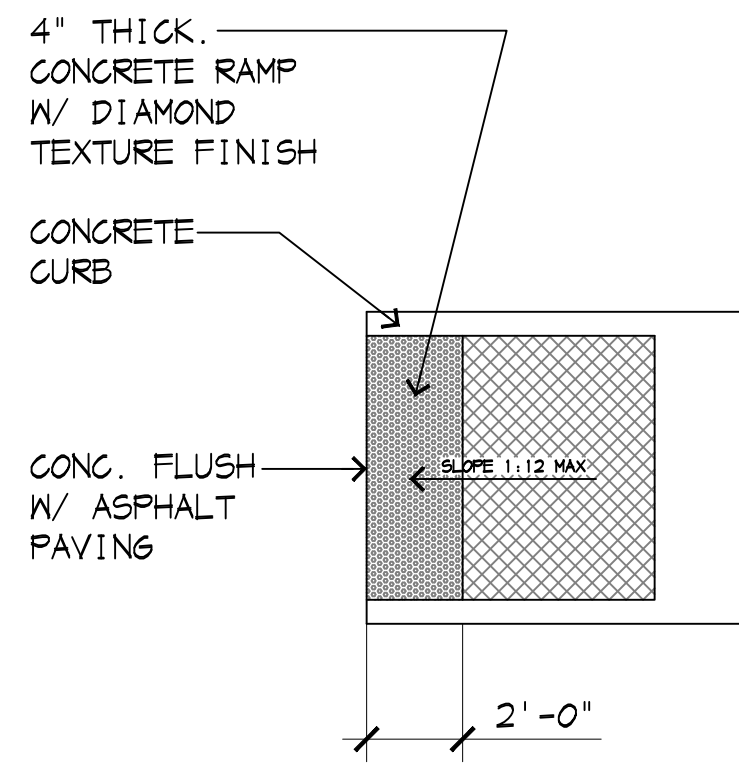
Drawing:	<b>A1.2</b>
Job Number:	21c-4332

LIGHTING LOCATIONS

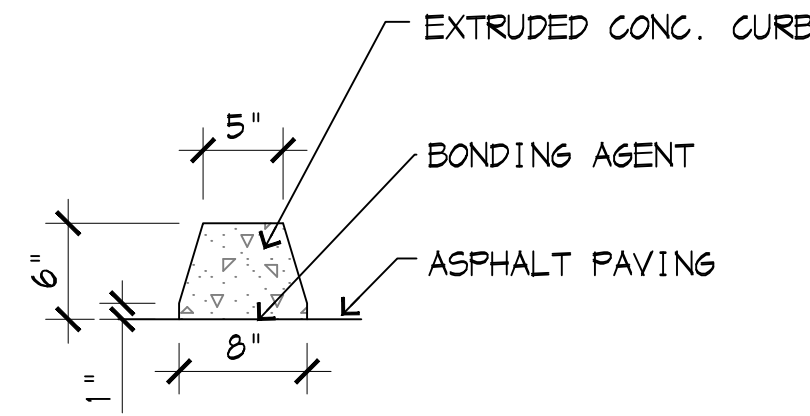
N.T.S.



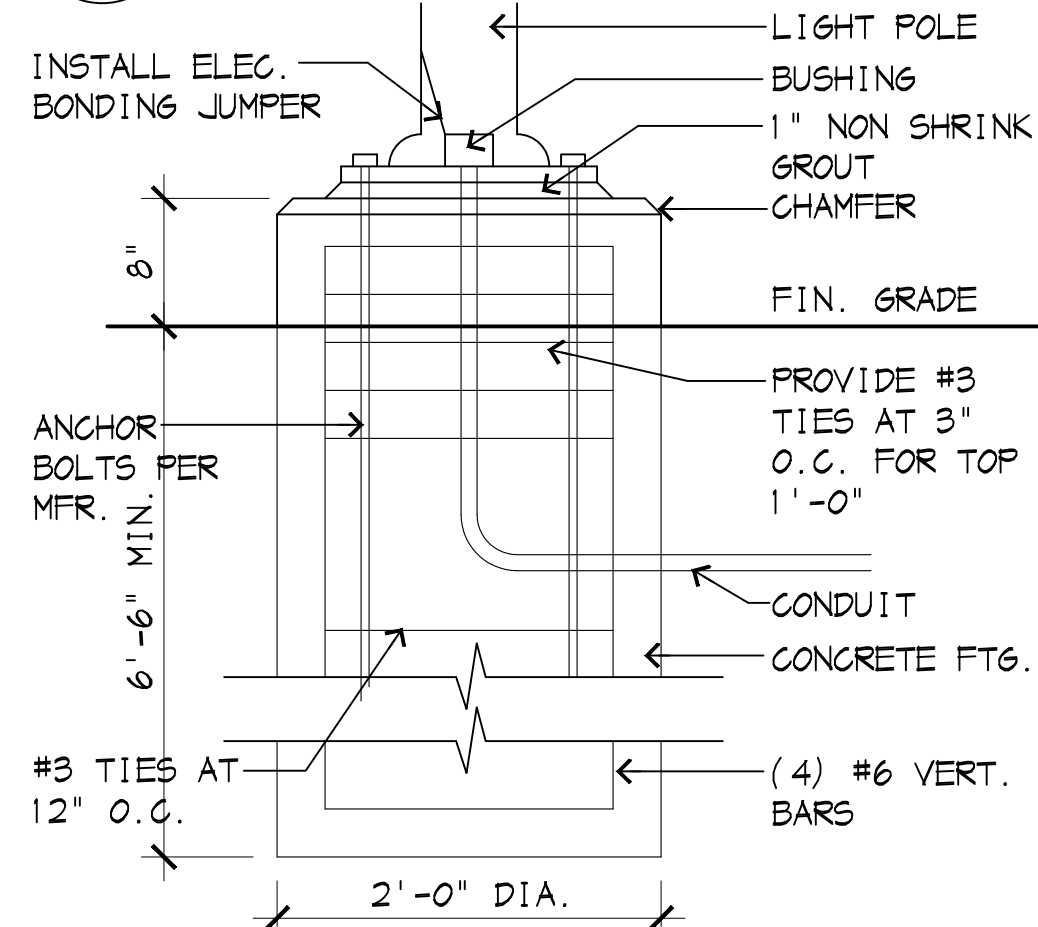
1 ASPHALT PAVING  
NO SCALE



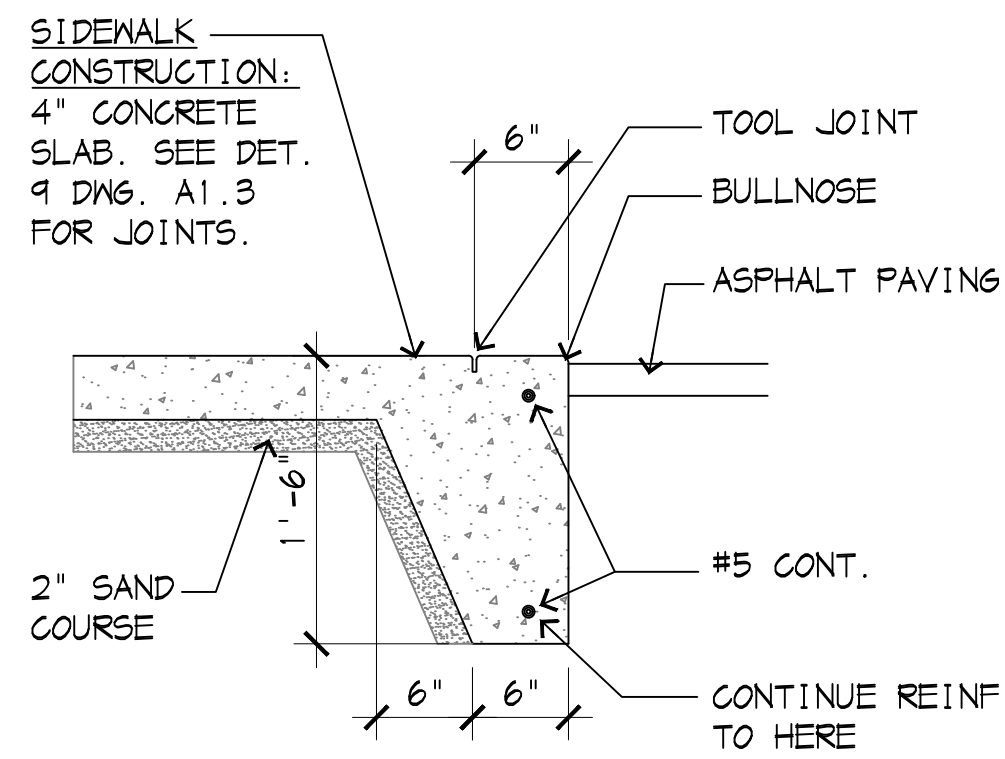
7 ADA CURB RAMP  
1/4" = 1'-0"



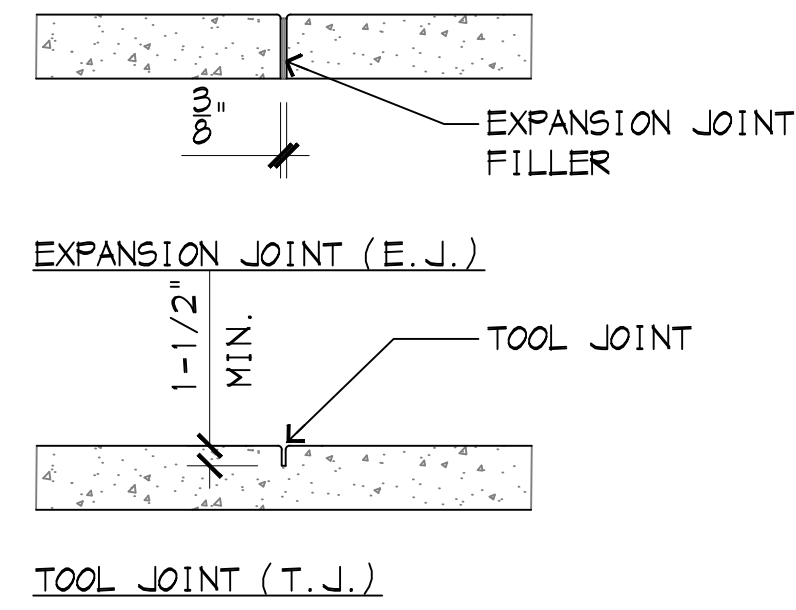
2 CONCRETE CURB  
1" = 1'-0"



8 LIGHT POLE BASE  
1" = 1'-0"

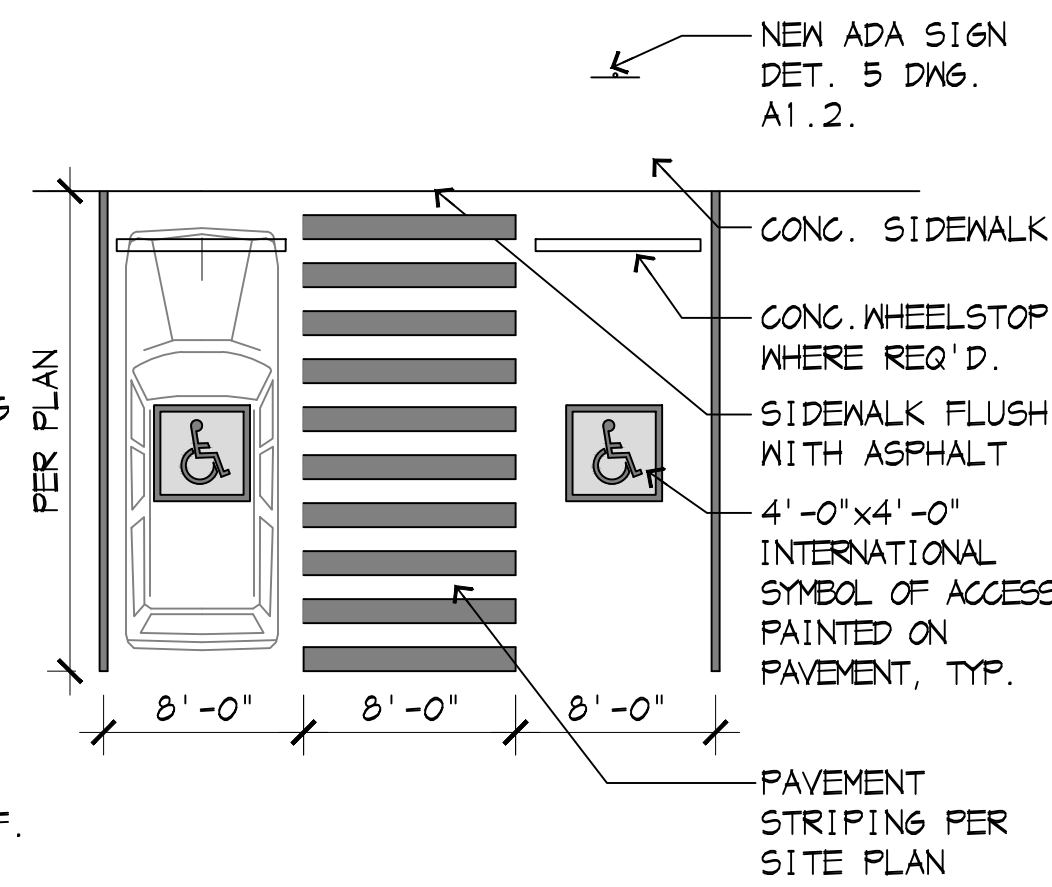


3 CONCRETE SIDEWALK  
1" = 1'-0"

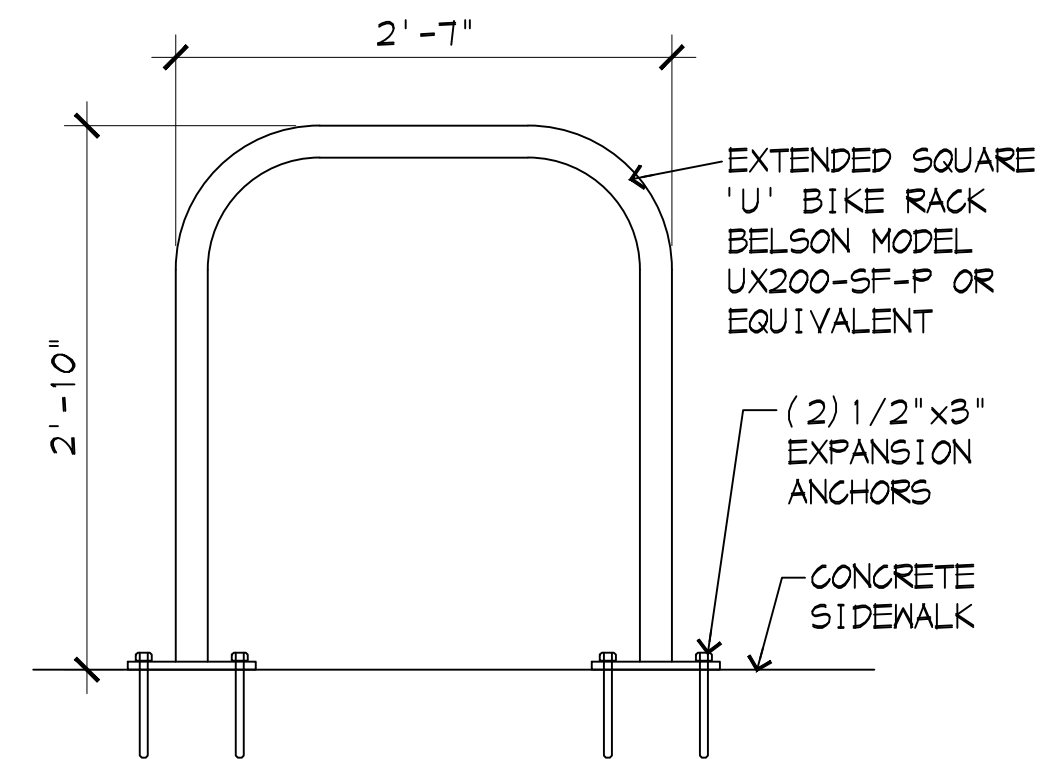


PROVIDE EXPANSION JOINTS @ 12'-0" O.C. MAX. AND TOOL JOINTS @ 6'-0" O.C. MAX.

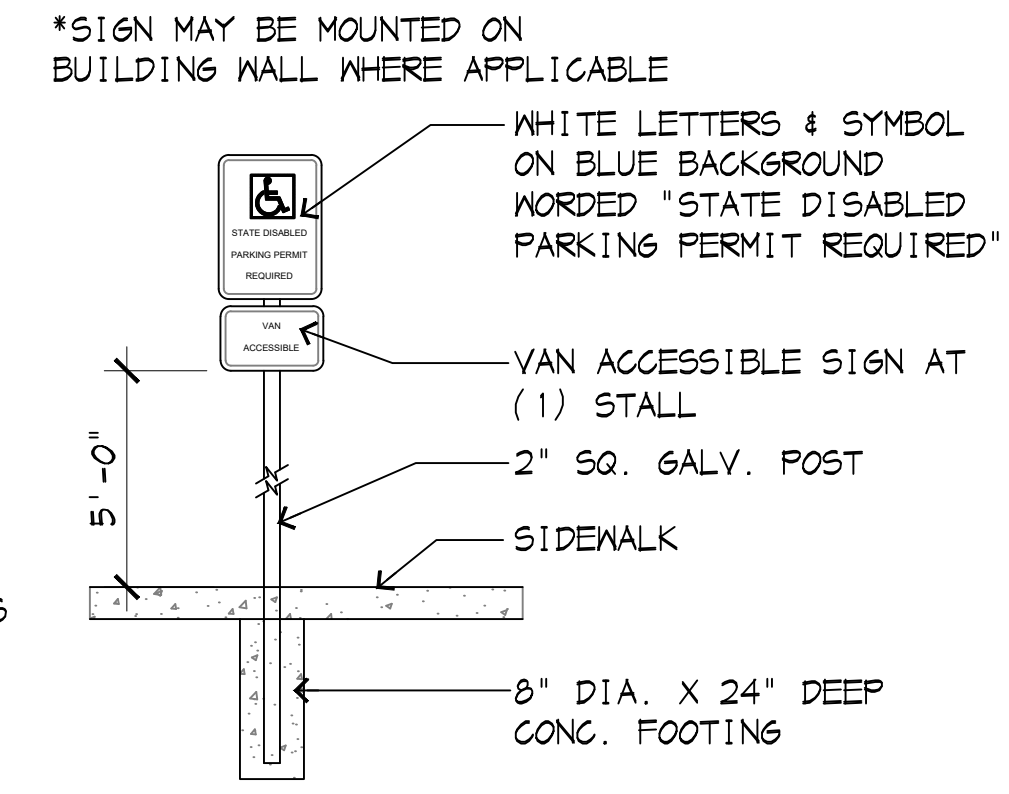
9 SIDEWALK JOINTS  
1/2" = 1'-0"



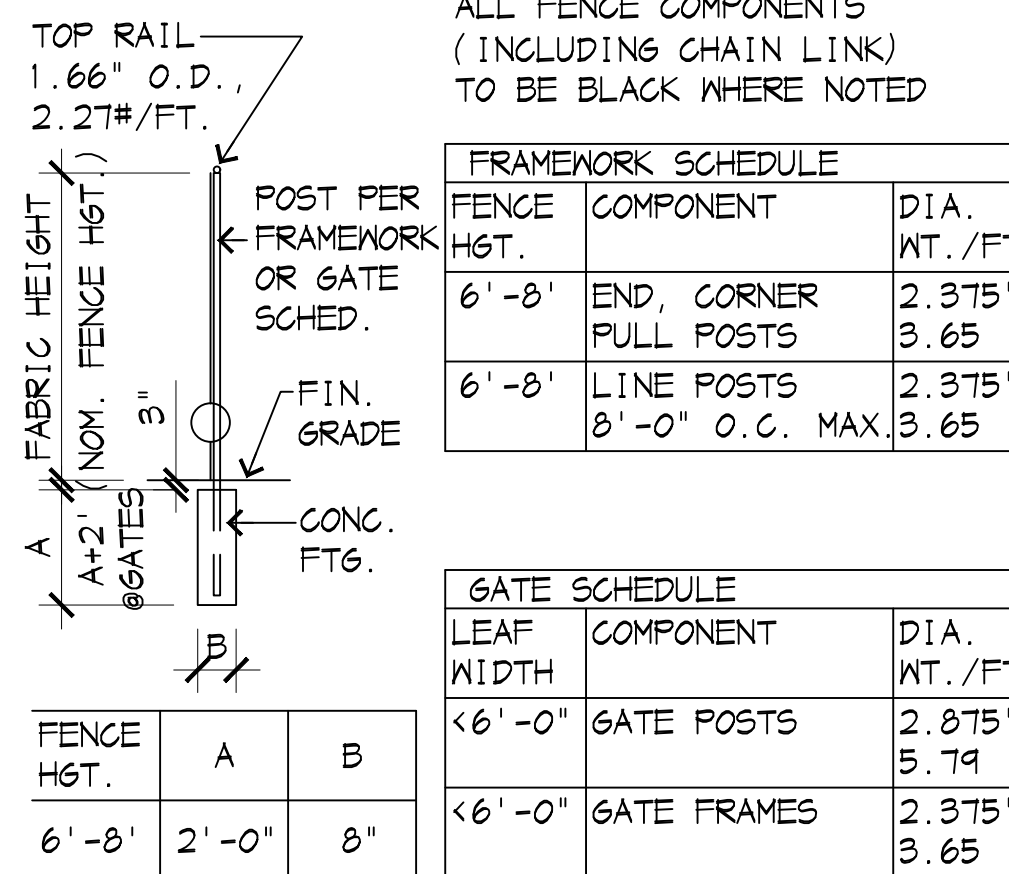
4 ADA PARKING STALL  
NO SCALE



10 BIKE RACK  
1/4" = 1'-0"



5 H.C. SIGN  
NO SCALE

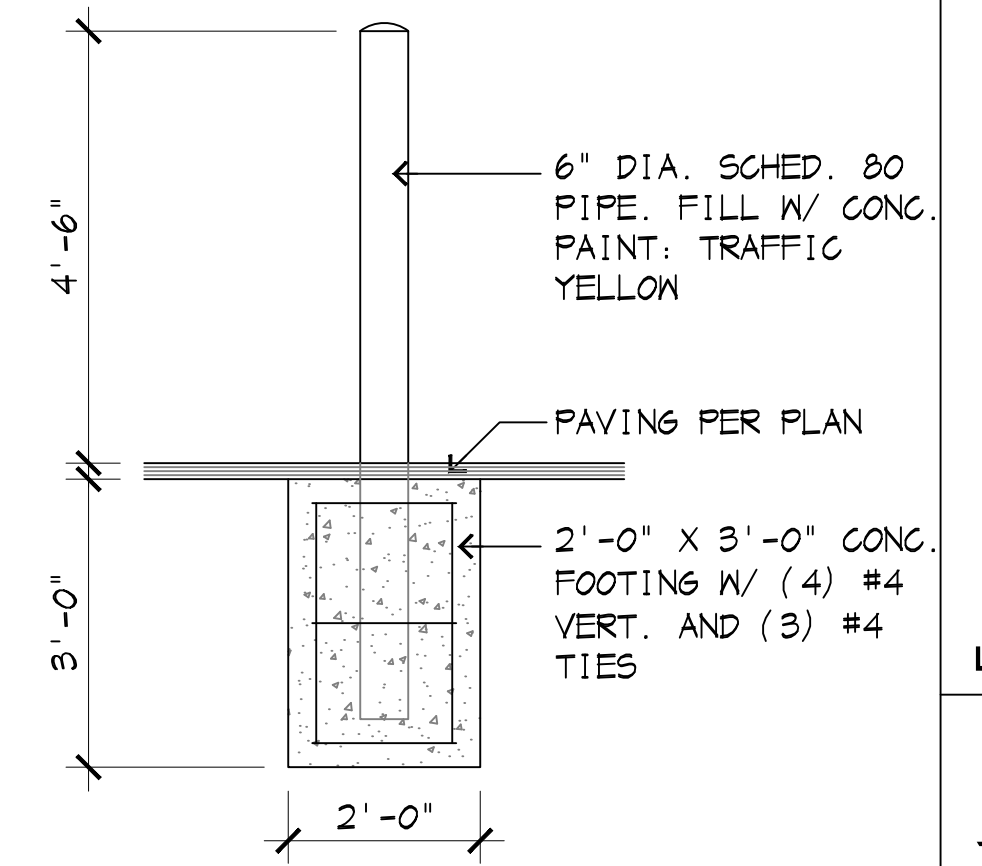


11 CHAIN LINK FENCE  
NO SCALE

ALL FENCE COMPONENTS (INCLUDING CHAIN LINK) TO BE BLACK WHERE NOTED

FENCE HGT.	COMPONENT	DIA. WT./FT.
6'-8"	END, CORNER FULL POSTS	2.375" 3.65
6'-8"	LINE POSTS 8'-0" O.C. MAX.	2.375" 3.65

LEAF WIDTH	COMPONENT	DIA. WT./FT.
<6'-0"	GATE POSTS	2.875" 5.79
<6'-0"	GATE FRAMES	2.375" 3.65

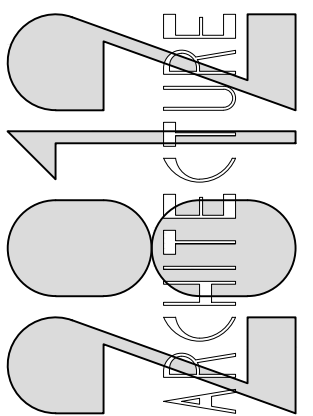


6 PIPE GUARD  
1/2" = 1'-0"

Date:	For:
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New Buildings for:  
**KING INDUSTRIAL**  
6221 180th St NE  
Arlington, Washington

CONTENTS:  
SITE DETAILS

CITY of ARLINGTON - KING INDUSTRIAL  
 ZONING PERMIT FILE NO.: PLN#952  
 SECTION 22 TOWNSHIP 31 RANGE 05

PLANTING SCHEDULE					
SYMBOL	QUANTITY	BOTANICAL	COMMON	SIZE	REMARKS
	12	ACER TRUNCATUM A. PLATANOIDES	'WARREN'S RED' PACIFIC SUNSET	MIN 2" CAL.	
	10	ACER CIRCINATUM	VINE MAPLE	B & B, 6'-8" TALL	4-6 CANES
	5	THUJA PLICATA 'EXCELSA'	WESTERN RED CEDAR	B & B, 8' TALL	4-6 CANES
	47	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	1 GAL.	
	73	RHODO. KURUME X. 'HINO CRIMSON'	HINO CRIMSON AZALEA	1 GAL.	
	63	MISCANTHUS SINENSIS 'VARIEGATUS'	JAPANESE SILVER GRASS	1 GAL.	
	AS REQ'D	GAULTHERIA SHALLON	SALAL	4" POTS	24" O.C. Δ
	AS REQ'D	ARCTOSTAPHYLOS UVA-URSI	KINNIKINNIK	4" POTS	24" O.C. Δ
	AS REQ'D		LAWN	4" POTS	24" O.C. Δ

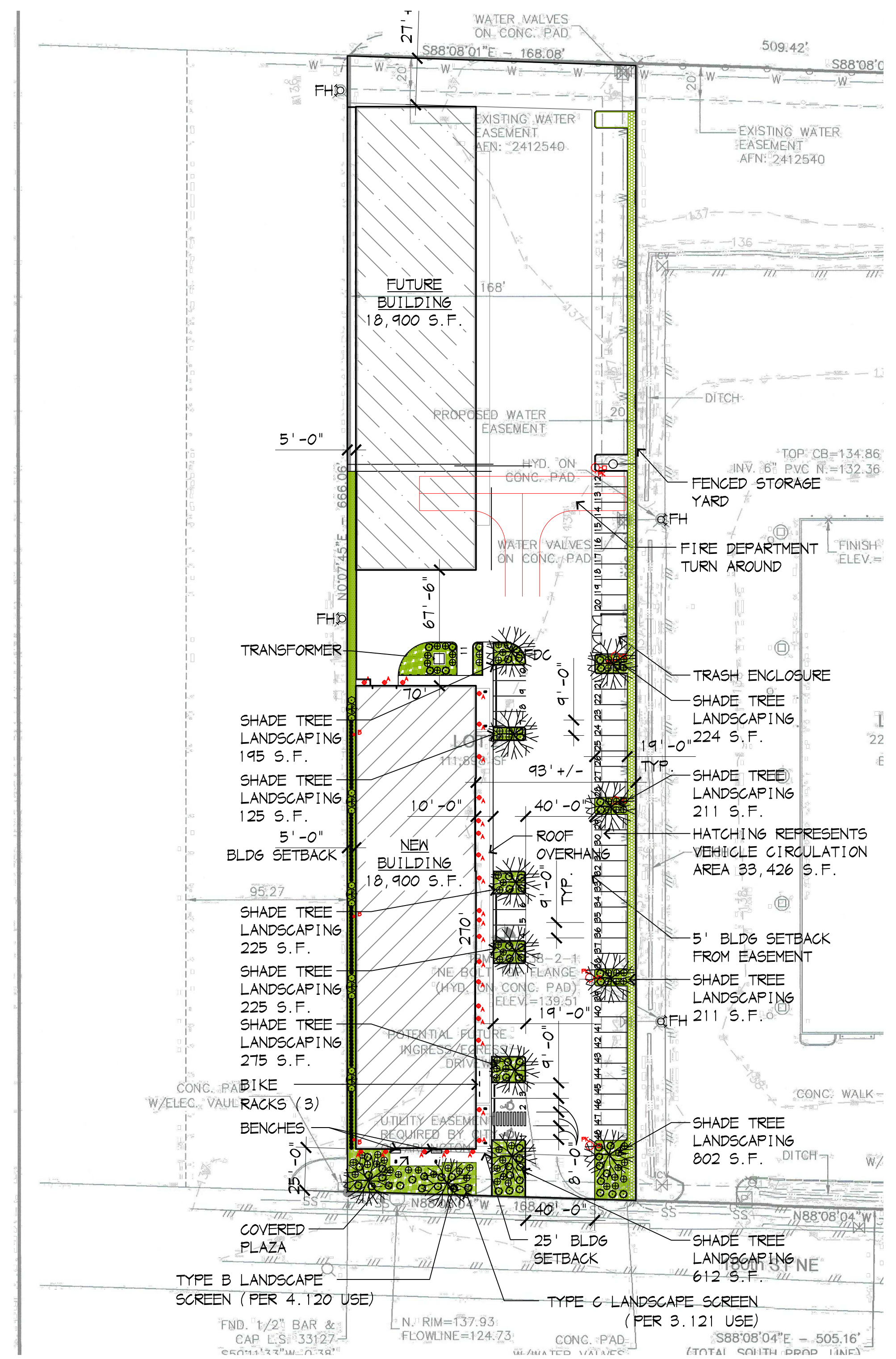
LANDSCAPE NOTES

- Amend disturbed soil in all landscape areas according to the following procedures:
  - Scarify subsoil to a depth of 12".
  - In planting beds, place 3" of compost and till in to an 8" depth.
  - In turf areas, place 2" of compost and till in to an 8" depth.
  - Apply 2"-4" of arborist wood chips, coarse bark mulch, or compost mulch to planting beds after final planting.
- Plant types may be substituted due to availability with similar species and varieties provided they are approved by the governing jurisdiction, owner and architect.
- All plants to be healthy at the time of planting and guaranteed for one full year from final project completion.
- Prior to planting eliminate existing weeds and grasses.
- A sprinkler system is required for this project. Design and installation of the system will be the responsibility of the bidding contractor. General contractor to submit shop drawings to the architect prior to installation of the system.
- All street trees to be located in tree grates or a minimum 4 foot wide planted area between the sidewalk and the curb edge.

SHADING CALCULATIONS

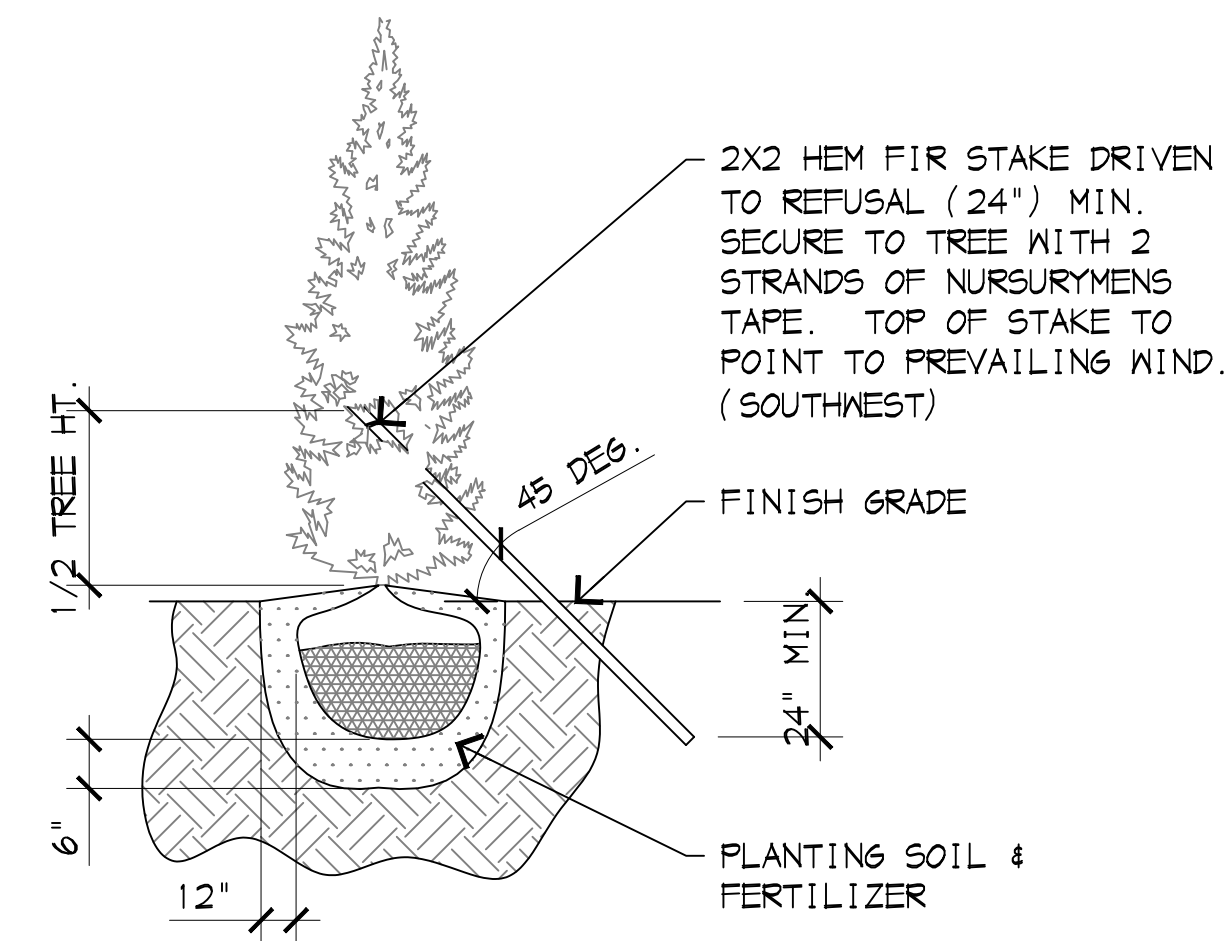
VEHICLE CIRCULATION AREA: 33,426 S.F.  
 SHADING AREA REQ'D. (20%): 6,685 S.F.  
 AREA PER TREE (15' RADIUS): 707 S.F.

10 TREES PROVIDED  
 TOTAL SHADING AREA PROVIDED: 7,070 S.F.

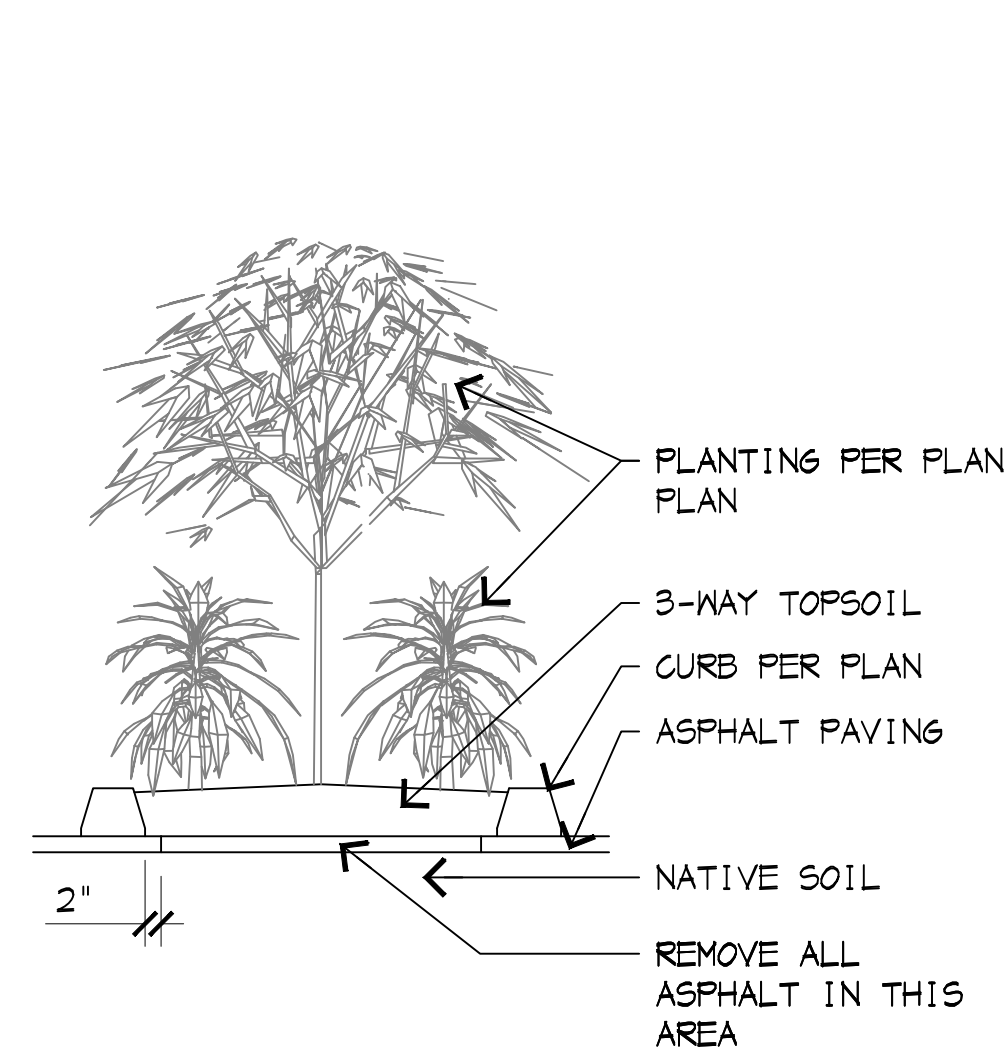


LANDSCAPE PLAN

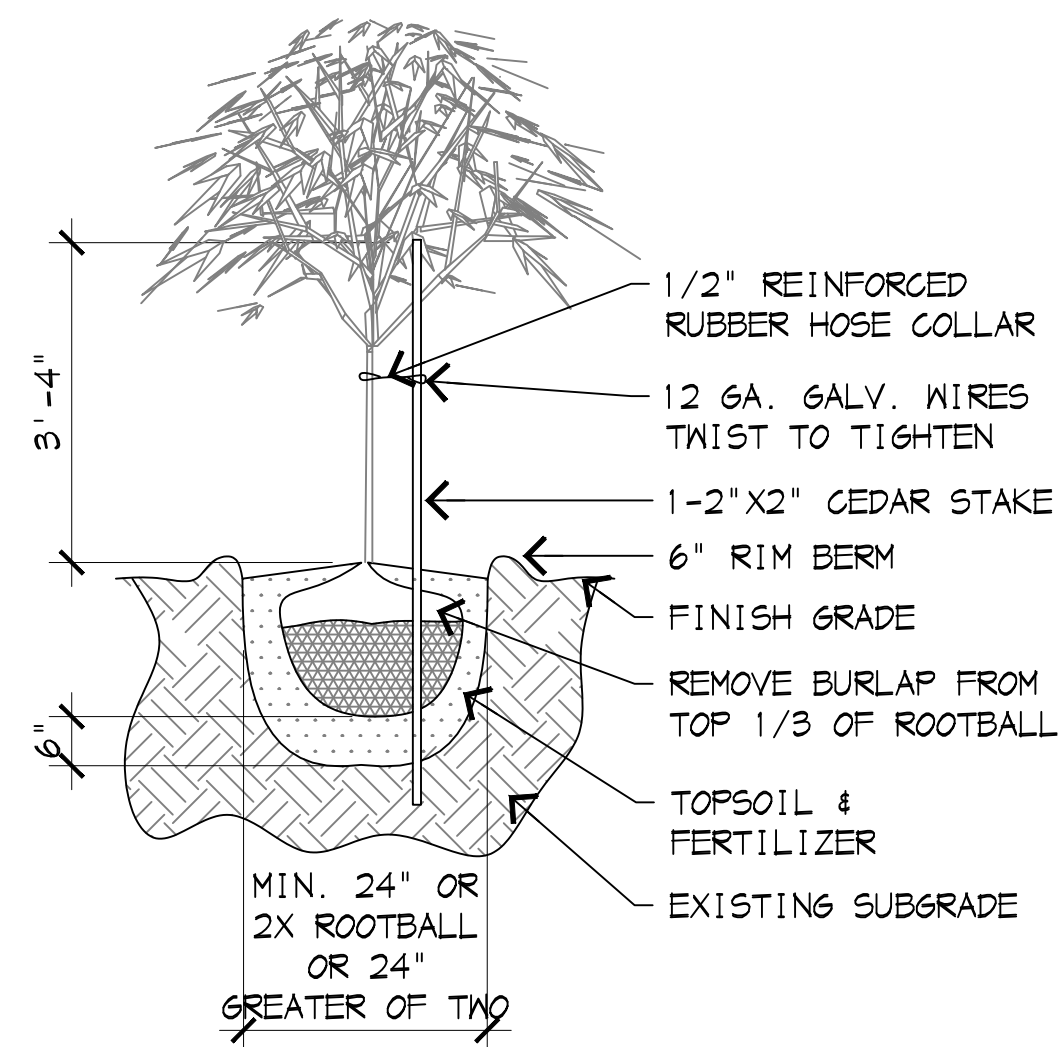
1" = 50'-0"



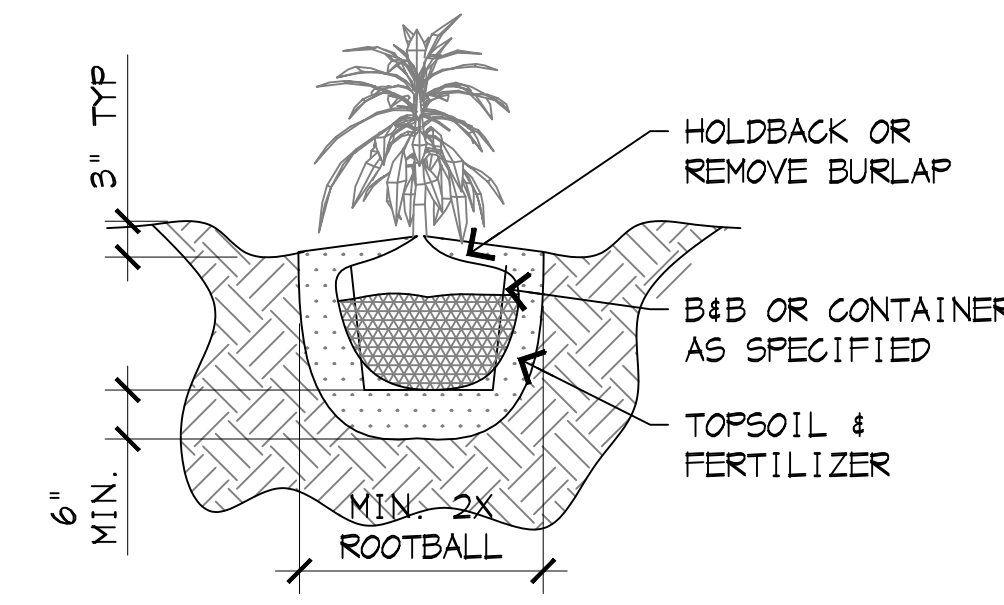
EVERGREEN TREE PLANTING  
 NO SCALE



PLANTER DETAIL  
 NO SCALE



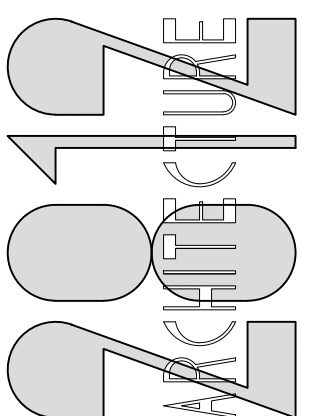
DECIDUOUS TREE PLANTING  
 NO SCALE



SHRUB PLANTING  
 NO SCALE

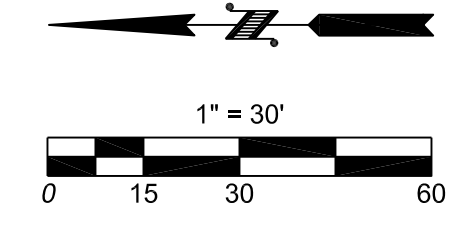
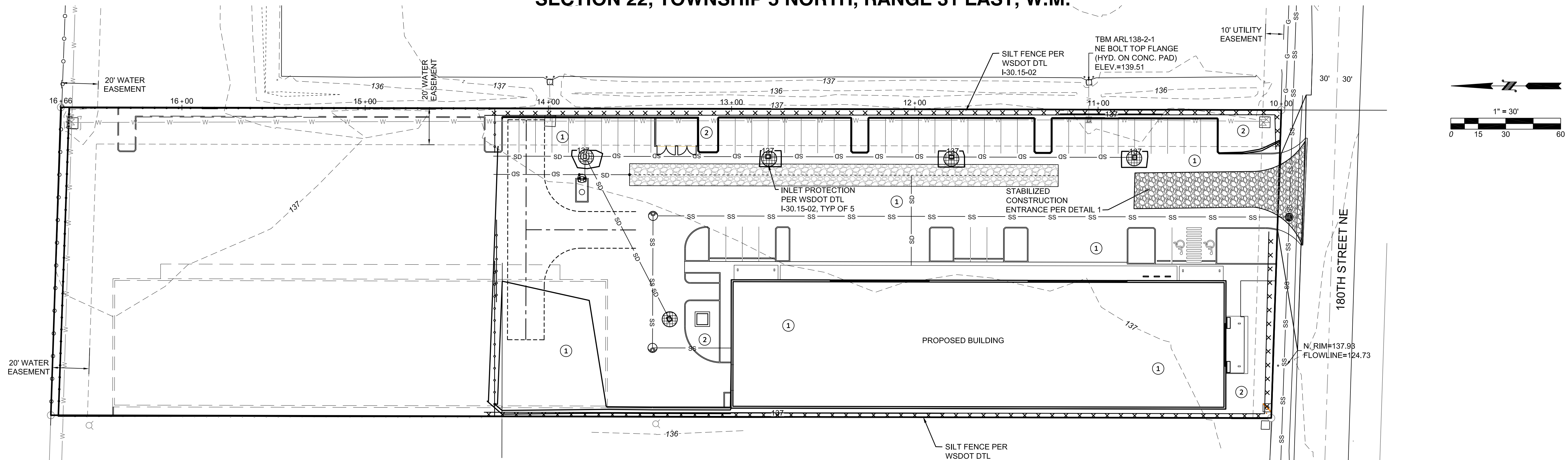
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New Buildings for:  
**KING INDUSTRIAL**  
 6221 180th St NE  
 Arlington, Washington  
 LANDSCAPE PLAN

SECTION 22, TOWNSHIP 5 NORTH, RANGE 31 EAST, W.M.



**GENERAL CONSTRUCTION NOTES:**

- ALL WORK AND MATERIALS SHALL CONFORM TO THE CURRENT EDITION OF THE CITY OF ARLINGTON PUBLIC WORKS STANDARDS AND SPECIFICATIONS, AND THE CURRENT EDITION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
- IT IS THE SOLE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR TO OBTAIN A GRADING PERMIT, RIGHT-OF-WAY PERMIT, AND UTILITY PERMITS, FROM THE CITY. ALL REQUIRED PERMITS FROM OTHER AGENCIES MUST ALSO BE OBTAINED BY THE DEVELOPER/CONTRACTOR.
- PRIOR TO ANY CONSTRUCTION ACTIVITY, THE DEVELOPER/ CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE WITH THE CITY. THE CONTRACTOR SHALL SCHEDULE THE PRECONSTRUCTION CONFERENCE BY CALLING (360) 403-3500. PRIOR TO SCHEDULING, THE CONTRACTOR MUST SUBMIT AND RECEIVE APPROVAL FOR THE TRAFFIC CONTROL PLAN, CITY PERMITS, TEMPORARY EROSION AND SEDIMENT CONTROL PLAN, PERFORMANCE BOND, COPY OF OTHER AGENCY PERMITS, A COPY OF THE CONTRACTOR'S LICENSE, AND PROOF OF INSURANCE COVERAGE.
- A COPY OF THE APPROVED CONSTRUCTION PLANS MUST BE ON THE JOB SITE WHEN CONSTRUCTION IS IN PROGRESS.
- ALL SITE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS. ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE PRIOR APPROVAL FROM THE OWNER, THE CITY ENGINEER, AND OTHER APPROPRIATE PUBLIC AGENCIES.
- ALL OF THE LOCATIONS OF THE EXISTING UTILITIES SHOWN IN THE PLANS HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHALL THEREFORE BE CONSIDERED APPROXIMATE AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS.
- THE CONTRACTOR SHALL LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION AND SHALL CONTACT THE UNDERGROUND UTILITIES LOCATE SERVICE (1-800-424-5555 OR 811) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- INSPECTION AND ACCEPTANCE OF ALL WORK WILL BE ACCOMPLISHED BY REPRESENTATIVES OF THE CITY OF ARLINGTON. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE APPROPRIATE INSPECTIONS, ALLOWING PROPER ADVANCE NOTICE. THE INSPECTOR MAY REQUIRE REMOVAL AND REPLACEMENT OF ITEMS THAT DO NOT MEET CITY STANDARDS OR WERE CONSTRUCTED WITHOUT INSPECTION.
- THE CONTRACTOR SHALL KEEP THE ON-SITE AND OFF-SITE STREETS CLEAN AT ALL TIMES BY CLEANING WITH A SWEEPING AND/OR VACUUM TRUCK. WASHING OF THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE CITY INSPECTOR.
- THE CONTRACTOR SHALL MAINTAIN TWO (2) SETS OF "AS-BUILT" PLANS SHOWING ALL FIELD CHANGES AND MODIFICATIONS. IMMEDIATELY AFTER CONSTRUCTION COMPLETION, THE CONTRACTOR SHALL DELIVER BOTH COPIES OF RED-LINED PLANS TO THE CITY. THE CITY WILL FORWARD ONE OF THE COPIES TO THE DESIGN ENGINEER.

**SWPP NOTES:**

- APPROVAL OF THE TEMPORARY EROSION/SEDIMENT CONTROL (TESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR STORM DRAINAGE DESIGN.
- A TESC PLAN MEETING THE DOE STORM WATER MANAGEMENT MANUAL ADOPTED BY THE CITY SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO ANY WORK ON THE SITE. AN APPROVED COPY MUST BE MAINTAINED ON-SITE AND BE READILY AVAILABLE TO THE CITY INSPECTOR AT THEIR REQUEST.
- THE TESC BMP'S SHOWN ON THE PLAN MUST BE INSTALLED PRIOR TO ALL OTHER CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADDED WATER DOES NOT ENTER THE DRAINAGE SYSTEM, LEAVE THE SITE, OR VIOLATE APPLICABLE WATER QUALITY STANDARDS. MAINTENANCE, REPLACEMENT, AND UPGRADING OF THE TESC PLAN IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETE AND APPROVED BY THE CITY.
- THE BOUNDARIES OF THE CLEARING LIMITS, SHOWN ON THE TESC PLAN, SHALL BE CLEARLY FENCED OR FLAGGED IN THE FIELD PRIOR TO STARTING CONSTRUCTION. NO DISTURBANCE BEYOND THE FENCED OR FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FENCING AND/OR FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE CONSTRUCTION PROJECT.
- THE TESC FACILITIES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED AND ADDED TO AS NEEDED, FOR UNEXPECTED STORM EVENTS AND TO REFLECT CHANGED CONDITIONS, AS REQUIRED BY THE CITY.
- THE CONTRACTOR SHALL PROVIDE THE CITY A 24-HOUR EMERGENCY CONTACT PHONE NUMBER OF THE CONTRACTOR'S CERTIFIED EROSION CONTROL SUPERVISOR PRIOR TO STARTING CONSTRUCTION.
- THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE CONTINUED FUNCTION AND OPERATION.
- BETWEEN OCTOBER 1 AND APRIL 30, DISTURBED AREAS THAT ARE TO BE LEFT UNWORKED FOR MORE THAN TWO (2) DAYS SHALL BE IMMEDIATELY COVERED BY MULCH, SOD OR PLASTIC COVERING. BETWEEN MAY 1 AND SEPTEMBER 30, DISTURBED AREAS THAT ARE TO BE LEFT UNWORKED FOR MORE THAN SEVEN (7) DAYS SHALL BE IMMEDIATELY COVERED BY SEEDING OR OTHER APPROVED METHODS.
- SEDIMENT DEPOSITS SHALL BE REMOVED FROM ALL CATCH BASINS, PRE-TREATMENT/SEDIMENT POND, AND SEDIMENT TRAPS UPON REACHING A DEPTH OF 12 INCHES.
- ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES. SHALL PROVIDE ADEQUATE STORAGE CAPACITY, AND SHALL BE CLEANED OUT ENTIRELY ONCE THE SITE IS STABILIZED. IF THE PERMANENT FACILITY IS TO ULTIMATELY FUNCTION AS AN INFILTRATION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN.
- WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROXIMATE RATE OF 120 LBS PER ACRE.
- WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 3 INCHES, OR 3,000 POUNDS PER ACRE.
- SOIL STOCKPILES SHALL BE STABILIZED WITHIN 24 HOURS. WHEN ACTIVELY WORKING WITH THE SOIL STOCKPILE, STABILIZATION BY GROUND COVER BMP'S SHALL OCCUR AT THE END OF EACH WORK DAY.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- MAINTENANCE AND REPAIR OF TESC FACILITIES AND STRUCTURES SHALL BE CONDUCTED IMMEDIATELY UPON RECOGNITION OF A PROBLEM OR WHEN THE TESC MEASURES BECOME DAMAGED.
- UPON COMPLETION OF THE PROJECT, ALL BMP'S SHALL BE REMOVED FROM THE SITE AND RIGHT OF WAY. IF BMP'S ARE REQUIRED TO REMAIN IN PLACE FOR FURTHER PROTECTION, ARRANGEMENTS FOR REMOVAL SHALL BE MADE WITH THE CITY INSPECTOR.
- THE DUFF LAYER AND NATIVE TOPSOIL SHALL BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. ALL AREAS SUBJECT TO CLEARING AND GRADING THAT WILL NOT BE COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT THE PROJECT COMPLETION, DEMONSTRATE THE REQUIREMENTS ESTABLISHED IN T5.13 OF THE 2014 SWMMWW, POST CONSTRUCTION SOIL QUALITY AND DEPTH.

**LEGEND**

- CLEARING LIMITS (BMP C101)
- SILT FENCE PER WSDOT STANDARDS
- TEMPORARY INLET PROTECTION PER WSDOT STANDARDS
- CONVEYANCE SWALE

**STABILIZATION NOTES**

- TEMPORARY**
- STABILIZE PAVED AREAS WITH CRUSHED ROCK PER PAVING SECTION
  - STABILIZE ALL FUTURE LANDSCAPE AREAS WITH SEEDING & 4" STRAW MULCH

**PERMANENT**

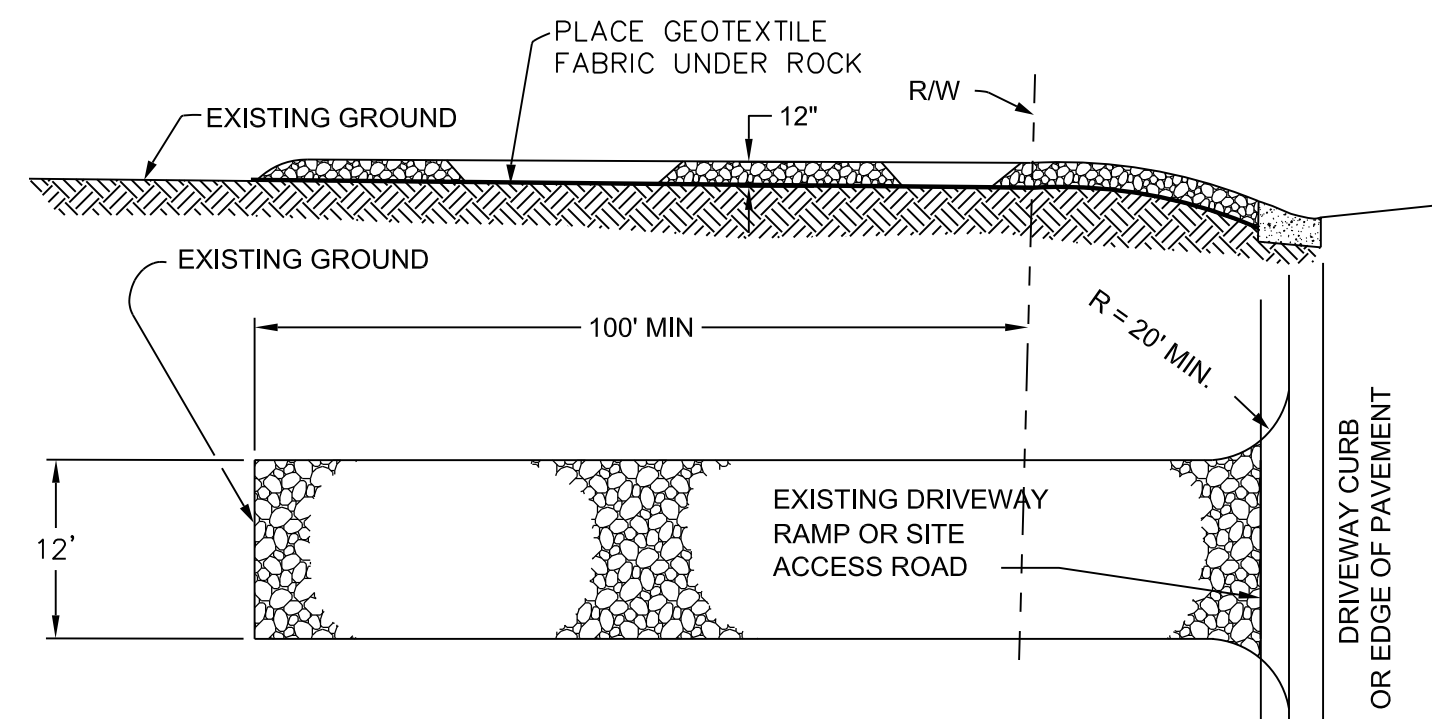
- STABILIZE PAVED AREAS WITH ASPHALT PAVING PER PAVING SECTION
- STABILIZE PERVIOUS AREAS WITH LAWN RESTORATION

**WSDOT STANDARD DETAILS**

- |            |                              |
|------------|------------------------------|
| I-30.15-02 | SILT FENCE                   |
| I-40.20-00 | STORM DRAIN INLET PROTECTION |
| I-10.10-01 | HIGH VISIBILITY FENCE        |

**BMP LIST**

- C103 HIGH VISIBILITY PLASTIC OR METAL FENCE
- C105 STABILIZED CONSTRUCTION ENTRANCE
- C107 CONSTRUCTION ROAD/PARKING AREA STABILIZATION
- C123 PLASTIC COVERING
- C200 INTERCEPTOR DIKE/SWALE
- C201 GRASS LINED CHANNELS (WITH C200)
- C207 CHECK DAMS (WITH THE PREVIOUS TWO)
- C209 OUTLET PROTECTION (DITCH TO POND)
- C220 STORM INLET PROTECTION
- C233 SILT FENCE
- C241 TEMPORARY SEDIMENT POND



**NOTES**

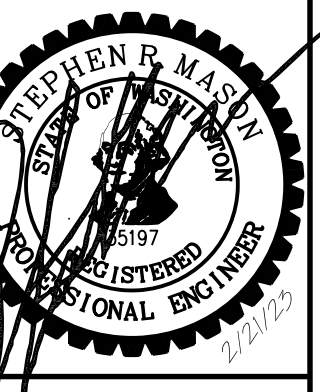
- USE 4" TO 8" QUARRY SPALLS OR CRUSHED ROCK FOR SURFACING AS SHOWN. MATERIAL WITH "FINES" IS NOT ACCEPTABLE.
- THE 100' MINIMUM LENGTH SHALL BE LENGTHENED AS NECESSARY TO INSURE MATERIAL IS NOT TRACKED INTO THE PUBLIC RIGHT-OF-WAY.

**1 STABILIZED CONSTRUCTION ENTRANCE**  
SCALE: NONE

**REVISIONS**

**HARMSEN ENGINEERS SURVEYORS**

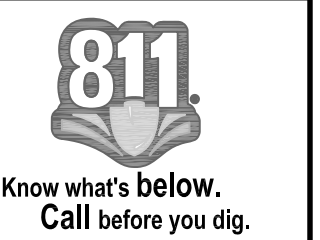
2822 COLBY AVE., SUITE 300  
EVERETT, WA 98201



**KING INDUSTRIAL CONSTRUCTION DRAWINGS**  
ARLINGTON, WA

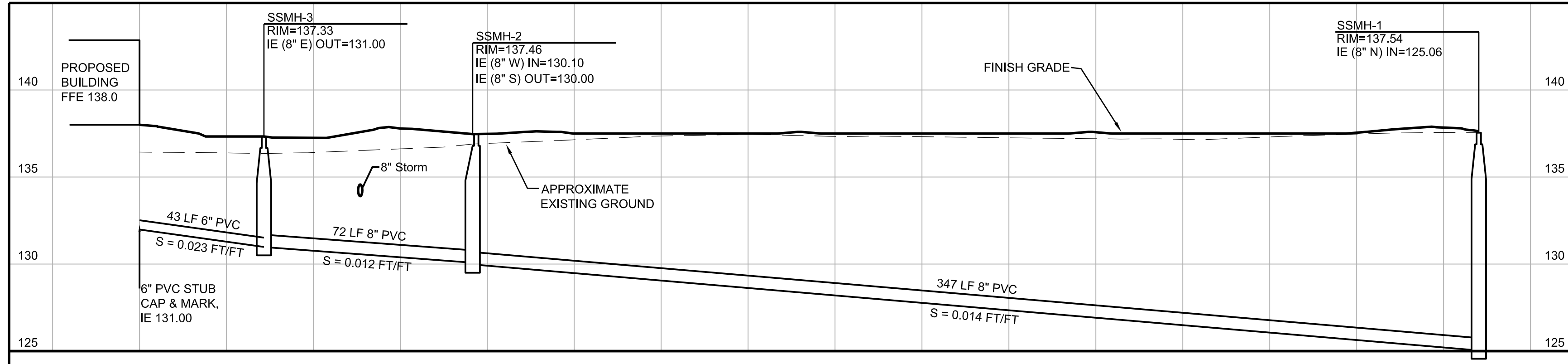
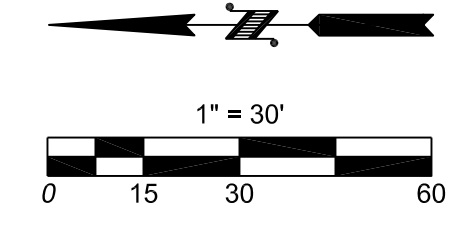
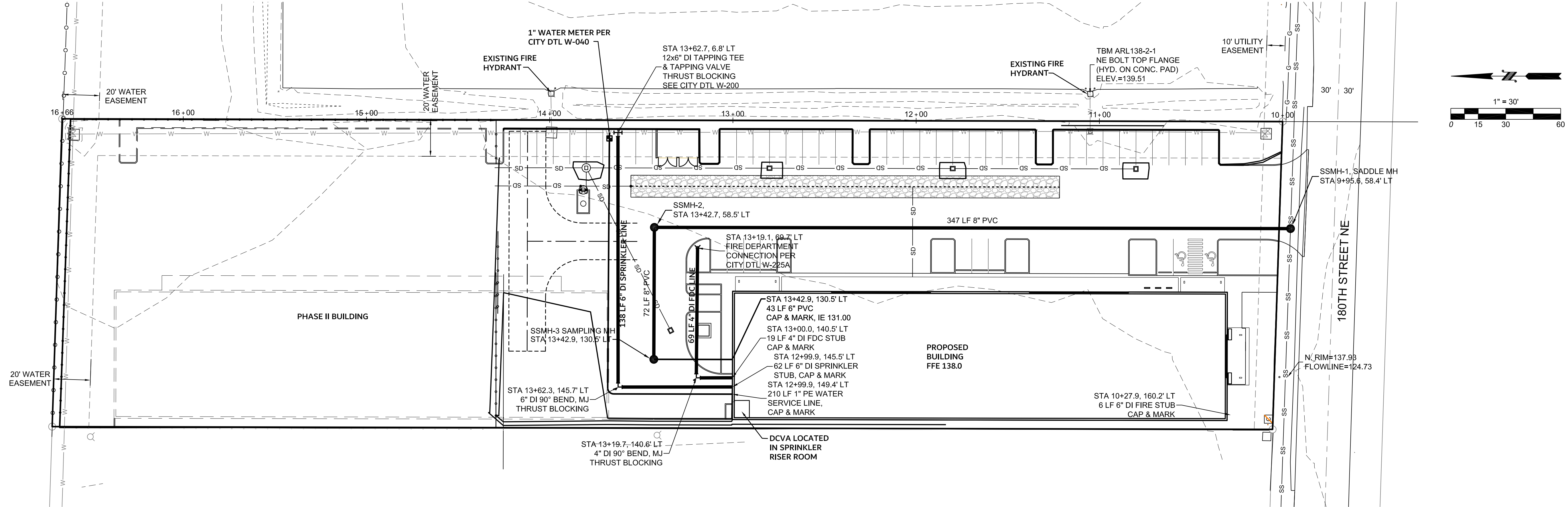
DATE: 2/21/23

JOB #: 22-069



**C1.0**

SECTION 22, TOWNSHIP 5 NORTH, RANGE 31 EAST, W.M.



SS1 - PROFILE  
SCALE: H: 1"=30'  
V: 1"=5'

CITY OF ARLINGTON  
WATER SYSTEM CONSTRUCTION NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS AND CURRENT EDITION OF THE CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS. ANY CHANGES TO THE DESIGN REQUIRE CITY APPROVAL.
- ALL MATERIALS SHALL CONFORM TO THE CITY STANDARDS AND SPECIFICATIONS AND SHALL BE APPROVED BY THE CITY PRIOR TO DELIVERY TO THE JOB SITE. MATERIAL SUBMITTALS ARE REQUIRED AND MUST BE APPROVED PRIOR TO SCHEDULING A PRE-CONSTRUCTION CONFERENCE.
- WATER MAINS SHALL BE CEMENT-LINED DUCTILE IRON PIPE CLASS 52 UNLESS OTHERWISE APPROVED BY THE CITY.
- ALL SERVICE LOCATIONS SHALL BE FIELD APPROVED BY THE CITY PRIOR TO INSTALLATION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UNDERGROUND UTILITIES BY CALLING ONE-CALL UNDERGROUND UTILITY LOCATOR (1-800-424-5555) 48 HOURS PRIOR TO CONSTRUCTION.
- ADEQUATE TRENCH SHEETING AND/OR SHORING SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED BY OSHA AND WISHA.
- THE PIPE SHALL BE INSTALLED BY FOLLOWING THE FINISHED GRADE PROFILE WHEREVER POSSIBLE. THE DEPTH OF COVER SHALL BE TYPICALLY 36 INCHES (3 FEET), AND MAY BE UP TO 60 INCHES (5 FEET) WITH THE APPROVAL OF THE CITY ENGINEER. WATER MAINS UNDER THE STATE (OR COUNTY) HIGHWAYS SHALL MEET THE MINIMUM COVER DEPTHS REQUIRED BY WSDOT (OR SNOHOMISH COUNTY).
- PIPE JOINT DEFLECTIONS SHALL NOT EXCEED ONE-HALF OF PIPE MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTIONS. BENDS MAY BE REQUIRED TO MAINTAIN PROPER WATER MAIN ALIGNMENT WITHIN EASEMENTS OR PUBLIC RIGHT-OF-WAY.
- WATER MAIN SHALL NOT BE PLACED UNDER SIDEWALK, CURBS, GUTTERS, OR ANY PERMANENT STRUCTURES WITHOUT THE PRIOR APPROVAL OF THE CITY ENGINEER.
- NO CONNECTION TO THE CITY WATER SYSTEM IS ALLOWED UNTIL THE NEW CONSTRUCTION PASSES PRESSURE AND PURITY TESTS, AND HAS BEEN APPROVED AND ACCEPTED BY THE CITY.
- PRIOR TO MAKING CONNECTIONS TO THE EXISTING SYSTEM, CONTRACTOR SHALL FIELD VERIFY THE LOCATION, DEPTH AND MATERIAL OF EXISTING WATER MAINS AT THE POINT OF CONNECTION.
- ALL WATER LINES SHALL BE A MINIMUM OF 10 FEET HORIZONTAL CLEARANCE FROM SANITARY SEWERS. WHEN WATER LINES CROSS SEWER LINES, THE MINIMUM VERTICAL CLEARANCE SHALL BE 18 INCHES.
- TO FILL THE MAIN FOR FLUSHING, PRESSURE AND PURITY TESTS, THE CONTRACTOR IS REQUIRED TO USE AN APPROVED METER AND DCVA. THE HYDRANT SHALL REMAIN IN THE FULL OPEN POSITION TO PREVENT BACK-SIPHONAGE THROUGH THE DRAIN HOLE. AFTER SUCCESSFUL TESTING, THE CONTRACTOR WILL TIE INTO THE EXISTING SYSTEM, USING DISINFECTED SLEEVES AND SPOOL PIECES.
- THE CONTRACTOR SHALL CONTACT THE CITY FOR VALVE OPERATION. ONLY AUTHORIZED REPRESENTATIVES OF THE CITY CAN OPERATE VALVES IN THE CITY WATER SYSTEM.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT, SINCE FILLING AND FLUSHING WILL BE DONE THROUGH A CROSS-CONNECTION CONTROL DEVICE, LOW VELOCITY FLOWS MAY BE ENCOUNTERED. THEREFORE, EVERY ATTEMPT SHALL BE MADE TO KEEP THE PIPE CLEAN DURING INSTALLATION. THIS MAY INCLUDE SWABBING THE PIPE WITH CHLORINATED WATER.
- THE CONTRACTOR SHALL PERFORM TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL, DUST CONTROL, NOISE CONTROL, AND TRAFFIC CONTROL AS REQUIRED BY THE CITY OR OTHER APPLICABLE AGENCIES.
- CUTTING AND PATCHING OF ROADWAYS SHALL CONFORM TO THE REQUIREMENTS OF THE RIGHT-OF-WAY PERMIT OF THE CITY OR OTHER APPLICABLE AGENCY.
- ALL IN-LINE PIPE JOINTS SHALL BE RESTRAINED WITH FIELD LOCK GASKETS.
- ALL FITTINGS SHALL BE RESTRAINED JOINTS AND HAVE THRUST BLOCKING.

CITY OF ARLINGTON  
SEWER SYSTEM CONSTRUCTION NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS, AND CURRENT EDITION OF THE CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS. ANY CHANGES TO THE DESIGN REQUIRES CITY APPROVAL.
- ALL MATERIALS SHALL CONFORM TO THE CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS AND THE MATERIAL SUBMITTALS SHALL BE APPROVED BY THE CITY BEFORE SCHEDULING THE PRECONSTRUCTION CONFERENCE AND BEFORE THE MATERIALS ARE DELIVERED TO THE JOB SITE. ONCE THE MATERIALS ARE DELIVERED TO THE JOB SITE THE INSPECTOR WILL DETERMINE IF THE MATERIALS WERE MANUFACTURED TO MEET THE REQUIREMENTS OF THE CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS BEFORE THE MATERIALS CAN BE INSTALLED.
- ALL SEWER MAINS AND SIDE SEWER STUBS SHALL BE FIELD STAKED FOR GRADES AND ALIGNMENT BY A SURVEYOR PRIOR TO CONSTRUCTION. THE CONSTRUCTION STAKES MUST SHOW THE STATION AND OFFSET TO THE ALIGNMENT.
- THE CITY OF ARLINGTON WASTEWATER DIVISION SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF A TAP OR CONNECTION TO AN EXISTING SANITARY SEWER MAIN. THE INSPECTOR SHALL BE PRESENT AT THE TIME OF THE TAP OR CONNECTION.
- GRAVITY SEWERS, INCLUDING SIDE SEWERS, WITH 5 TO 14 FEET OF COVER SHALL BE PVC ASTM D 3034 SDR 35. GRAVITY SEWER MAINS WITH LESS THAN 5 FEET OR GREATER THAN 14 FEET OF COVER SHALL BE DUCTILE IRON PIPE CLASS 52, OR C-900 PVC. IF DUCTILE IRON PIPE IS USED FOR SEWER, THE PIPE INTERIOR SHALL BE EPOXY COATED (NOT CEMENT-LINED).
- PRE-CAST MANHOLES SHALL MEET THE REQUIREMENTS OF ASTM C-478. JOINTS SHALL BE RUBBER GASKETED AND GROUTED BOTH

- INSIDE AND OUTSIDE OF THE MANHOLE PER CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS. ALL LIFT HOLES CUT THROUGH THE WALLS OF THE MANHOLE SHALL BE GROUTED FROM THE INSIDE AND OUTSIDE OF THE MANHOLE TO BE WATERTIGHT. ADDITIONAL WATERPROOFING MAY BE REQUIRED.
- SIDE SEWER SERVICES SHALL BE PVC ASTM D 3034 SDR 35 WITH FLEXIBLE GASKETED JOINTS. SIDE SEWER CONNECTIONS SHALL BE MADE BY A TAP TO AN EXISTING MAIN OR A TEE FROM A NEW MAIN CONNECTED ABOVE THE SPRING LINE OF THE PIPE. WYES ARE NOT ALLOWED ON LINES 8" OR LARGER. SIDE SEWERS CAN NOT BE INSTALLED UNDER DRIVEWAYS UNLESS APPROVED BY THE CITY INSPECTOR.
- ALL SEWER PIPE SHALL BE INSTALLED WITH A CONTINUOUS TRACER TAPE 24" - 48" UNDER THE PROPOSED FINISHED SUBGRADE, OR AS DIRECTED BY THE CITY INSPECTOR. THE MARKER SHALL BE PLASTIC, NON-BIODEGRADABLE, METAL CORE, AND DETECTABLE, WITH BACKING MARKED "SEWER".
- SIDE SEWERS SHALL BE INSTALLED BY THE DEVELOPER AND COORDINATED FOR CLEARANCE WITH POWER, GAS, TELEPHONE, CABLE, AND OTHER UTILITIES. SIDE SEWERS SHALL BE A MINIMUM OF 10 FEET BEYOND PROPERTY LINES AND 5' BEYOND ANY EASEMENT.
- THE SEWER PIPE SHALL BE INSTALLED STARTING FROM DOWNSTREAM OF THE POINT OF CONNECTION ON THE EXISTING SEWER OR FROM A DESIGNATED STARTING POINT. THE SEWER PIPE SHALL BE INSTALLED WITH THE BELL END UPSTREAM.
- ADEQUATE TRENCH SHEETING AND/OR SHORING SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED BY OSHA AND WISHA.
- TO PREVENT WATER OR DEBRIS FROM DISCHARGING INTO THE CITY'S EXISTING SEWER SYSTEM, THE CONTRACTOR SHALL INSTALL A PLUG IN THE CONNECTION MANHOLE OR AS DIRECTED BY THE CITY INSPECTOR. THE PLUG SHALL NOT BE REMOVED UNTIL THE SEWER IS ACCEPTED BY THE CITY.
- ALL SEWER LINES SHALL MAINTAIN A MINIMUM OF 10 FEET HORIZONTAL

- CLEARANCE AND A MINIMUM OF 18 INCHES VERTICAL CLEARANCE FROM WATER LINES. SEE STANDARDS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ALTERNATIVES.
- PIPE BEDDING SHALL BE IN ACCORDANCE WITH THE CITY OF ARLINGTON STANDARD AND WSDOT STANDARD SPECIFICATIONS. 3/8-INCH MINUS MANUFACTURED CLEAN PEA GRAVEL IS THE REQUIRED BEDDING MATERIAL. ALL PIPE SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION. THIS SHALL INCLUDE NECESSARY LEVELING OF THE TRENCH BOTTOM OR THE TOP OF THE FOUNDATION MATERIALS AS WELL AS PLACEMENT AND COMPACTION OF REQUIRED BEDDING MATERIAL TO UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF THE PIPE WILL BE SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.
- THE CONTRACTOR SHALL COMPACT TRENCH BACKFILL WITHIN THE CITY RIGHT-OF-WAY TO AT LEAST 90% MAXIMUM DRY DENSITY FROM THE BOTTOM OF THE TRENCH TO A DEPTH OF 3' BELOW THE SURFACE. THE TRENCH BACKFILL MUST BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY WITHIN 3' OF THE SURFACE. ASPHALT MUST BE COMPACTED TO MEET THE REQUIREMENTS ON THE PLANS. ALL COMPACTION TESTS ARE AT THE DEVELOPER'S EXPENSE.

REVISIONS

HARMSEN ENGINEERS SURVEYORS

2822 COLBY AVE., SUITE 300  
EVERETT, WA 98201  
425-252-1884  
206-343-5903



KING INDUSTRIAL CONSTRUCTION DRAWINGS ARLINGTON, WA  
SEWER & WATER PLAN

DATE: 2/21/23

JOB #: 22-069



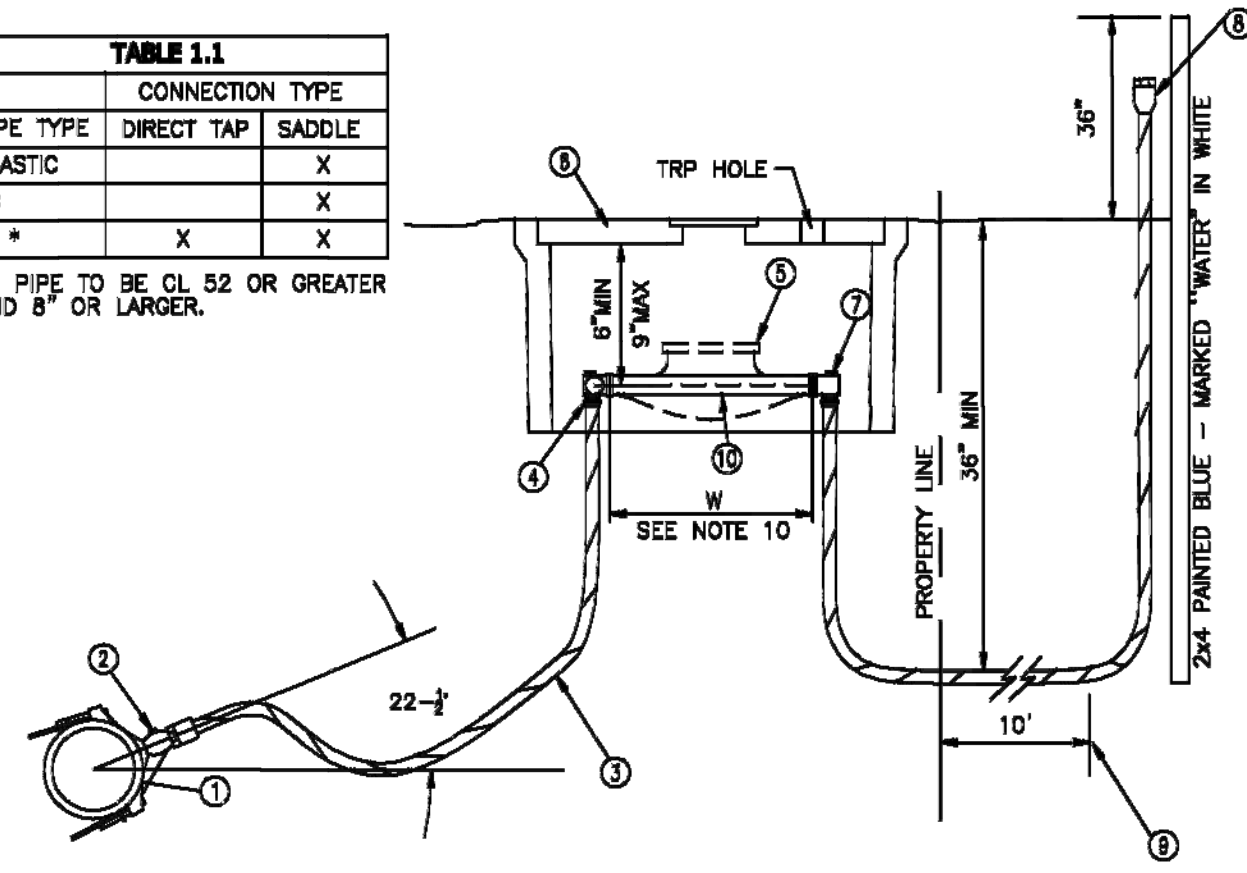
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SECTION 22, TOWNSHIP 5 NORTH, RANGE 31 EAST, W.M.

**TABLE 1.1**

PIPE TYPE	CONNECTION TYPE	SADDLE
PLASTIC	DIRECT TAP	X
AC	DIRECT TAP	X
DI *	SADDLE	X

\* DI PIPE TO BE OL 52 OR GREATER AND 8" OR LARGER.



**NOTES AND MATERIALS:**

- 1" CC SERVICE SADDLE W/DOUBLE STAINLESS STEEL STRAP OR DIRECT TAP CC THREAD CORP SEE TABLE 1.1 ABOVE.
- 1" BALL VALVE CORPORATE STOP CC X COMPRESSION WITH KEY FACING UP, MUELLER OR FORD ONLY.
- 1" HDPE GTS CLASS 200 HIGH SERVICE PIPE (200 PSI RATING) WITH STAINLESS STEEL STIFFENER AND 10 GAUGE COATED COPPER TRACER WIRE WRAPPED AROUND THE PIPE AND ATTACHED ON BOTH ENDS.
- FOR 5/8"x3/4" METER, A 1" COMPRESSION ANGLE METER BALL VALVE x 5/8" METER IS REQUIRED. FOR 1" METER, A 1" COMPRESSION ANGLE METER BALL VALVE x 1" METER IS REQUIRED. BALL VALVES ARE LOCKABLE.
- METER SHALL BE INSTALLED BY CITY UTILITIES DIVISION AT OWNER'S EXPENSE.
- METER BOX SHALL BE MIDSTATES PLASTICS 1324-12 W/SOLID DI LID WITH 1 3/4" HOLE FOR TOUCH READ PAD (TRP).
- 5/8" x 3/4" METERS REQUIRE A 3/4" ANGLE METER CHECK COUPLING x 5/8" METER WITH A 3/4" MIPT x 1" COMPRESSION ADAPTER. 1" METER REQUIRES A 1" ANGLE METER CHECK COUPLING x 1" METER.
- 1" COMPRESSION x FIPT ADAPTER WITH 1" PLASTIC PLUG.
- EXTEND SERVICE PIPE 10' BEYOND PROPERTY LINE AND AN ADDITIONAL 5' BEYOND EASEMENT LINE.
- METER LENGTH BLANK STUB.

APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/01/2008	STANDARD DETAILS	W-040
REV STD SPEC		5/8" x 3/4" & 1" RESIDENTIAL WATER SERVICE	

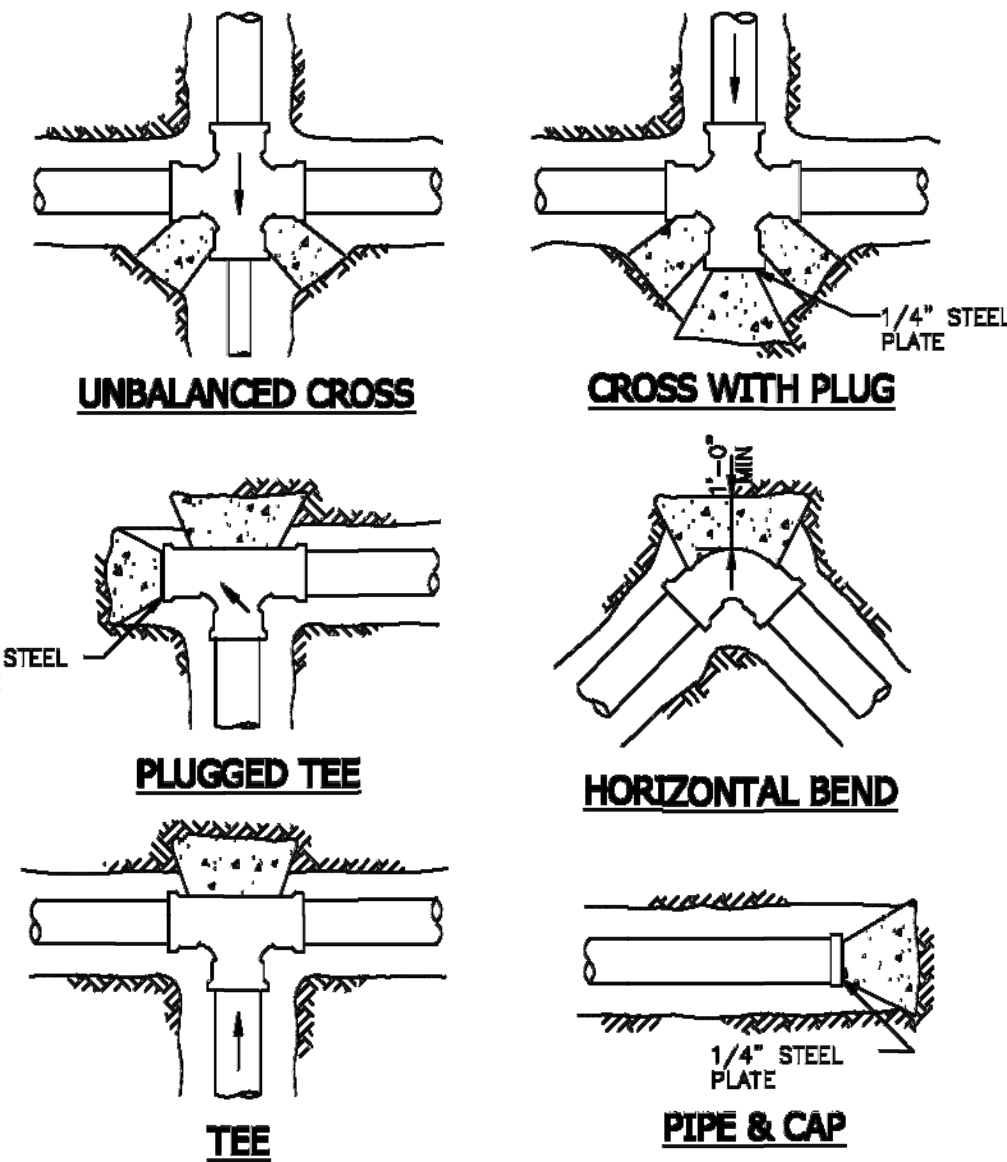
**MATERIAL LIST:**

- UL-FM LISTED WASHINGTON STATE APPROVED REDUCED PRESSURE BACKFLOW ASSEMBLY INCLUDING TWO BALL VALVES, AND TESTS COCKS.
- INSULATED PROTECTIVE ENCLOSURE (HOT BOX) REQUIRED FOR OUTSIDE INSTALLATIONS. THE PROTECTIVE ENCLOSURE MUST BE PROVIDED WITH DRAINS AT BOTH ENDS OF THE BOTTOM SUFFICIENTLY SIZED TO PROVIDED FREE GRAVITY DRAINAGE OF MAXIMUM DISCHARGE OF RELIEF VALVE PORT (2" MIN).
- 90° ELBOW WITH A CLOSE NIPPLE AND UNION ON VERTICAL.

**NOTES:**

- ASSEMBLY REQUIRES CERTIFICATION UPON INSTALLATION AND RECERTIFICATION ANNUALLY, BY OWNER.
- THE ENCLOSURE MUST BE INSTALLED ON A 4" THICK CONCRETE PAD.
- AN ELECTRICAL OUTLET MUST BE PROVIDED.
- GUARD POSTS SHALL BE INSTALLED IF LOCATED IN A TRAFFIC AREA.
- ALL BRANCH CONNECTIONS SHALL BE LOCATED ON THE DOWNSTREAM SIDE OF THE ASSEMBLY.

APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/01/2008	STANDARD DETAILS	W-130
REV STD SPEC		REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA) 2" AND SMALLER	



THRUST BLOCK AREA IN SQUARE FEET (SEE STD DETAIL NO W-165)

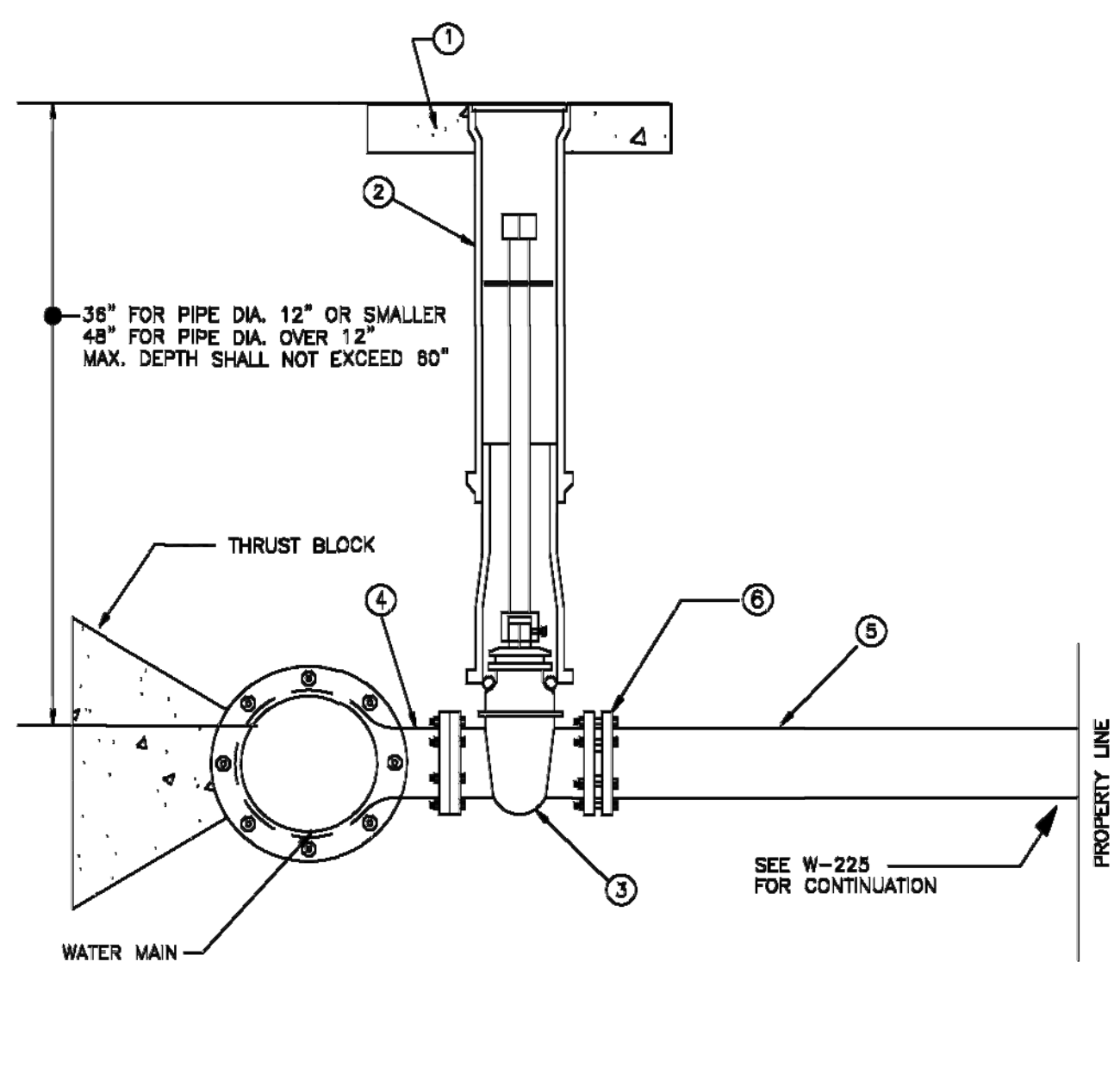
FITTING	FIRM SILT OR FIRM SILTY SAND		COMPACT SAND		COMPACT SAND & GRAVEL	
	90° BEND	TEE	90° BEND	TEE	90° BEND	TEE
4"	22.0	8.4	18.0	6.4	14.0	5.0
6"	33.0	12.6	27.0	9.6	21.0	7.5
8"	44.0	16.8	36.0	12.8	28.0	10.0
12"	83.0	32.4	67.5	25.6	52.5	20.0

AREAS CALCULATED ON 300 PSI TEST PRESSURE AND 3'-0" MIN COVER OVER WATERMAIN.

IF ECOLOGY BLOCKS MAY BE USED IN LIEU OF POURED-IN-PLACE BLOCKING FOR FITTINGS IN SHADED PORTION OF TABLE RESTRAINED JOINTS MUST BE USED.

FOR NOTES SEE STD DETAIL NO W-165

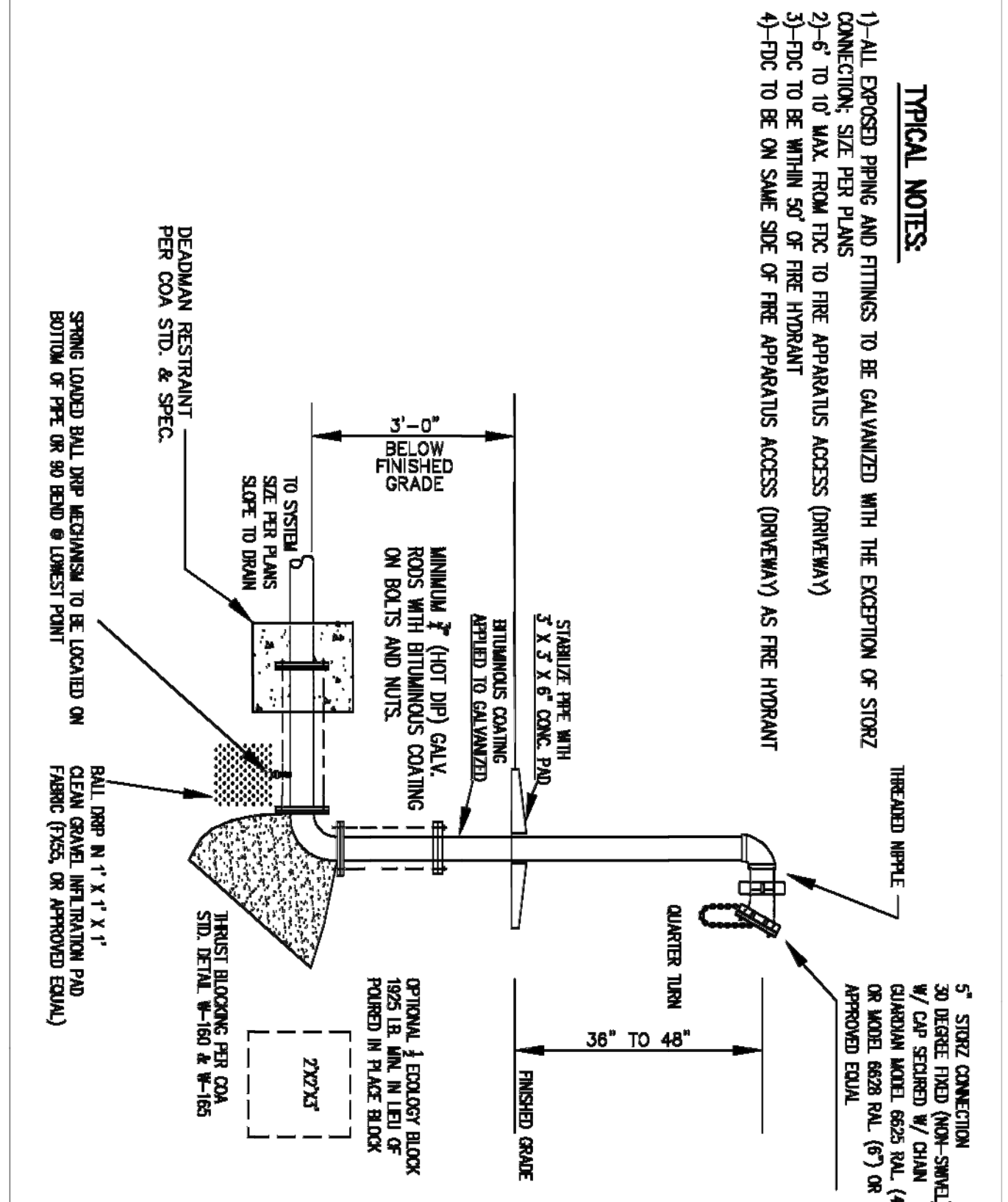
APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/01/2008	STANDARD PLANS	W-160
REV STD SPEC		THRUST BLOCK	



**MATERIAL LIST:**

- 24"x24"x4" CONCRETE PAD IN UNPAVED AREA
- CAST IRON VALVE BOX AND EXTENSION PER STANDARD DETAIL NO. W-190
- 8" GATE VALVE WITH RESILIENT SEAT (MUELLER, M&H OR APPROVED EQUAL)
- MAINLINE SIZE TEE WITH FLANGE
- 8" D.I.P.
- MEGALUG

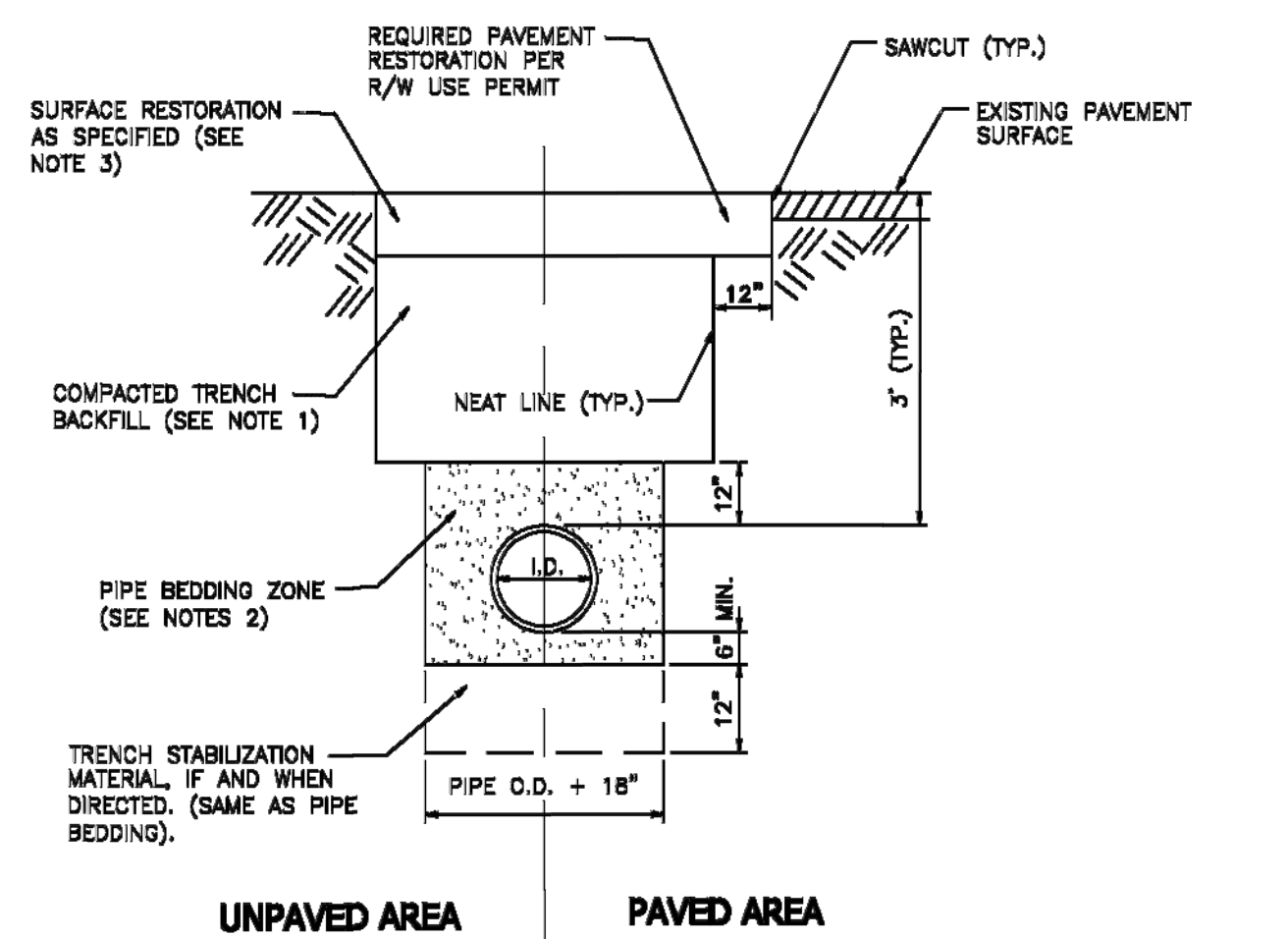
APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/01/2008	STANDARD DETAILS	W-220
REV STD SPEC		FIRE LINE CONNECTION	



**TYPICAL NOTES:**

- ALL EXPOSED PIPING AND FITTINGS TO BE GALVANIZED WITH THE EXCEPTION OF STORAGE CONNECTIONS. SIZE PER PLANS.
- 6" TO 10" MAX FROM FDC TO FIRE APPARATUS ACCESS (DRAINWAY).
- FDC TO BE WITHIN 50' OF FIRE HYDRANT.
- FDC TO BE ON SAME SIDE OF FIRE APPARATUS ACCESS (DRAINWAY) AS FIRE HYDRANT.

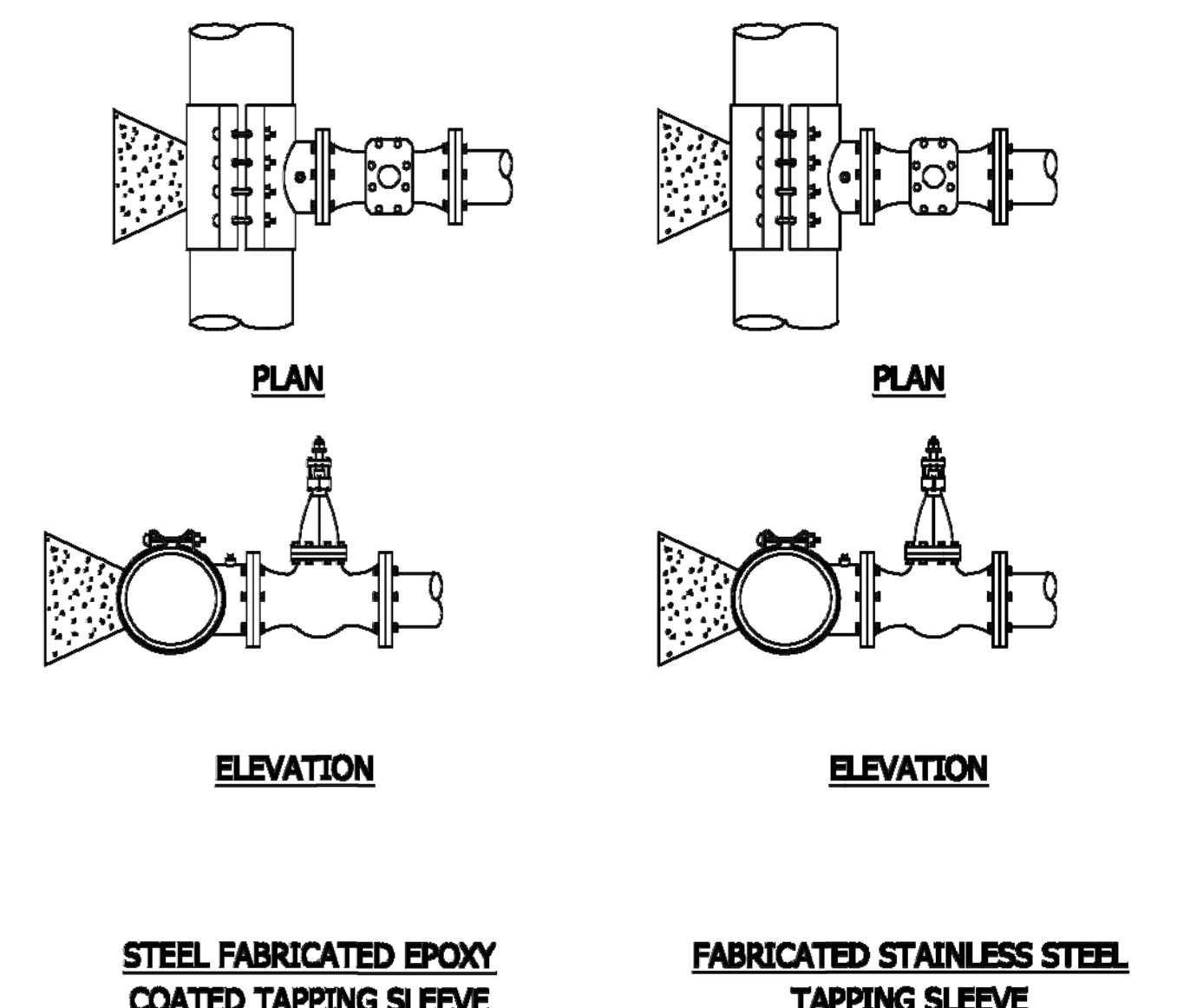
APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/01/2008	STANDARD DETAILS	W-225A
REV STD SPEC		FIRE DEPARTMENT CONNECTION (FDC) DETAIL	



**NOTES:**

- TRENCH BACKFILL SHALL BE:
  - PAVED AREA: GRANULAR BACKFILL AS APPROVED BY LOCAL AGENCY, OR PER WSDOT 9-03.9(3), OR CDF, OR 5/8" MINUS CRUSHED SURFACING, OR APPROVED NATIVE MATERIAL COMPACTED TO 95% OF MAXIMUM DENSITY.
  - UNPAVED AREA: SELECTED GRANULAR MATERIAL WITH MAXIMUM DIMENSION OF 8" PER WSDOT 9-03.15, COMPACTED TO 90% OF MAXIMUM DENSITY.
- GRAVEL BACKFILL FOR PIPE ZONE BEDDING SHALL BE SELECTED GRANULAR MATERIAL PER WSDOT 9-03.12(3), WASHED SAND, OR APPROVED SUITABLE EXCAVATED MATERIAL WITH MAXIMUM DIMENSION OF 1-1/2" COMPACTED TO 95% OF MAXIMUM DENSITY BY APPROVED HAND-HELD TOOLS.
- EXCAVATE FOR THE PIPE BELL TO ENSURE UNIFORM SUPPORT FOR THE PIPE BARREL.
- UNPAVED AREA SHALL BE RESTORED WITH 4" TOP SOIL, FERTILIZER AND SEED, OR AS SPECIFIED. PAVEMENT RESTORATION SHALL BE DONE PER RIGHT-OF-WAY USE PERMIT, OR AS SPECIFIED.

APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/01/2008	STANDARD DETAILS	W-270
REV STD SPEC		TYPICAL TRENCH DETAIL	



**STEEL FABRICATED EPOXY COATED TAPPING SLEEVE**

INSTALLED ON DI PIPE

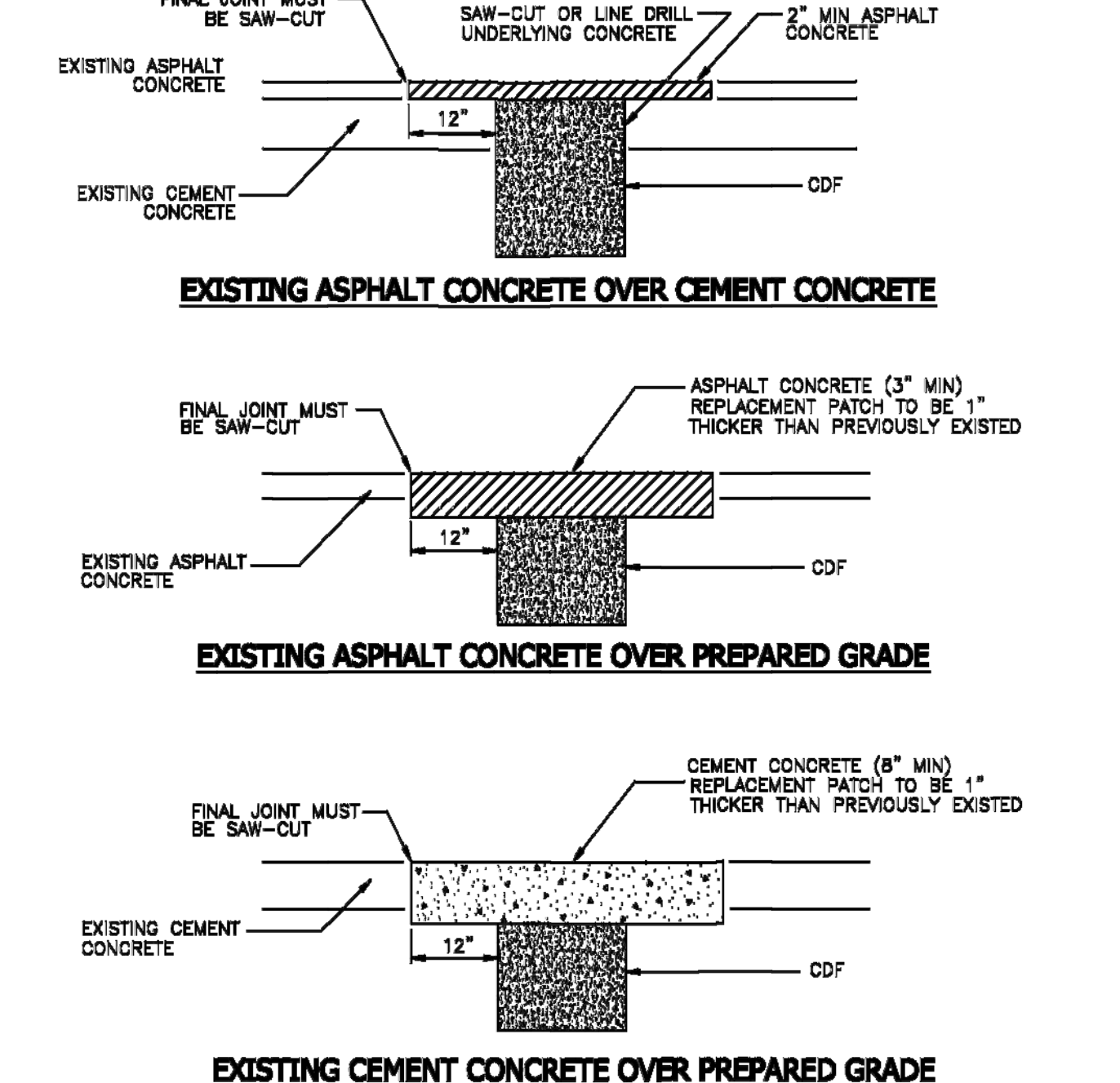
**FABRICATED STAINLESS STEEL TAPPING SLEEVE**

INSTALLED ON AC PIPE

**NOTES:**

- STAINLESS STEEL TAPPING TEES SHALL HAVE FULL CIRCLE SEAL.
- STEEL TAPPING TEES SHALL BE EPOXY COATED.
- ALL TEES AND VALVES TO BE WATER TESTED BEFORE TAPPING.

APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/01/2008	STANDARD DETAILS	W-200
REV STD SPEC		TAPPING SLEEVES	



**NOTES:**

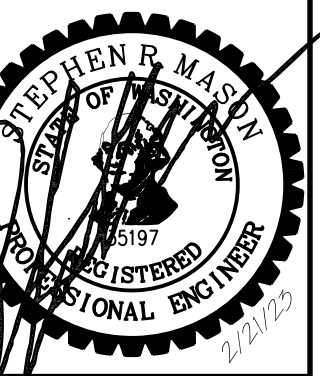
- ALL TRENCHES IN ROADWAY AREAS SHALL BE BACKFILLED AND PATCHED WITH TEMPORARY ASPHALT AT THE END OF EACH WORK DAY, UNLESS PERMISSION IS GRANTED TO DO OTHERWISE BY THE CITY ENGINEER.
- ALL TEMPORARY PATCHES ON TRENCHES SHALL BE PERMANENTLY PATCHED WITHIN 2 WEEKS OF COMPLETION OF WORK WITHIN THE ROADWAY AREA.

APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/01/2008	STANDARD DETAILS	R-140
REV STD SPEC		PAVEMENT PATCH	

REVISIONS

HARMSEN ENGINEERS SURVEYORS

2822 COLBY AVE., SUITE 300  
EVERETT, WA 98201



KING INDUSTRIAL CONSTRUCTION DRAWINGS ARLINGTON, WA

DATE: 2/21/23

JOB #: 22-069

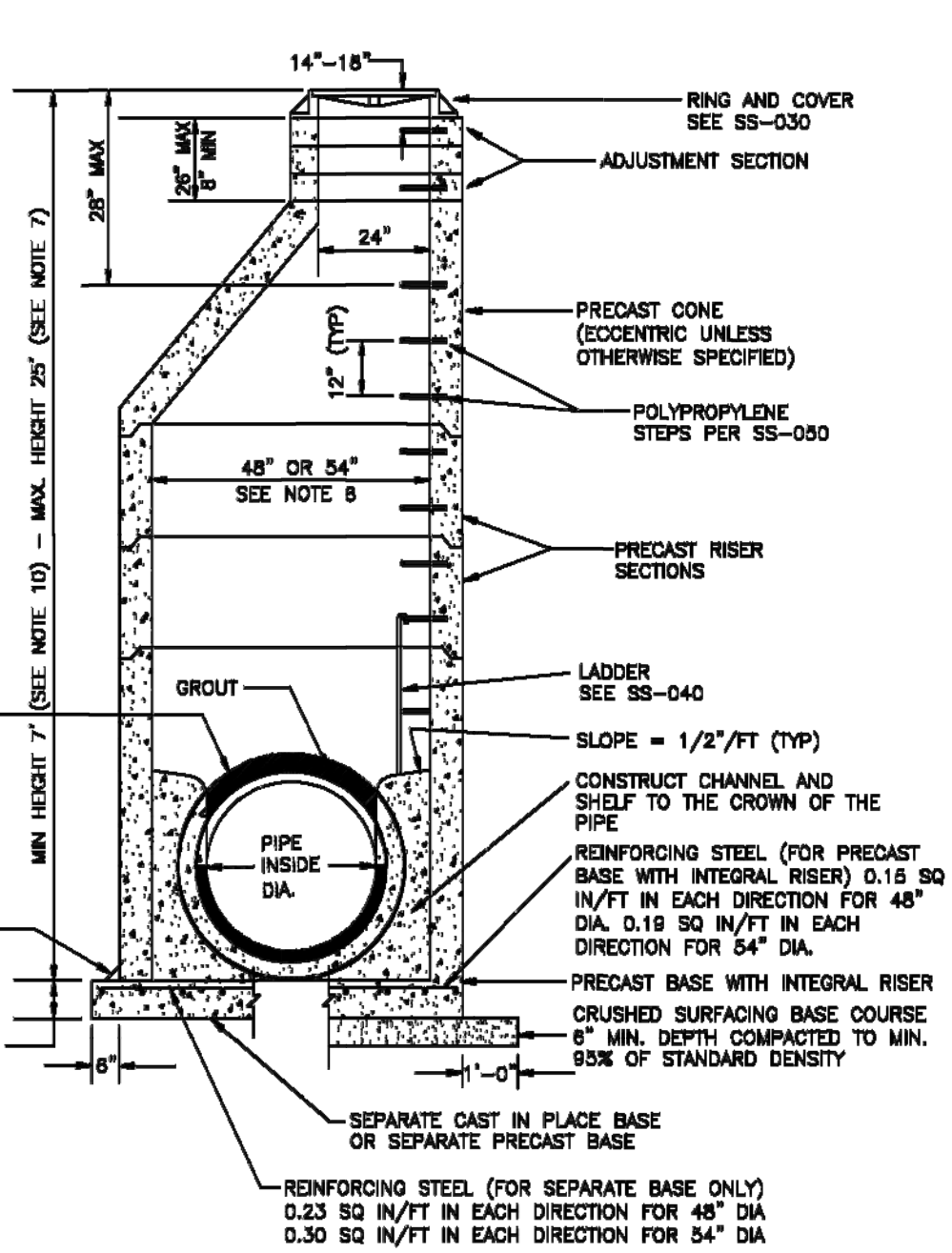


C2.1

SECTION 22, TOWNSHIP 5 NORTH, RANGE 31 EAST, W.M.

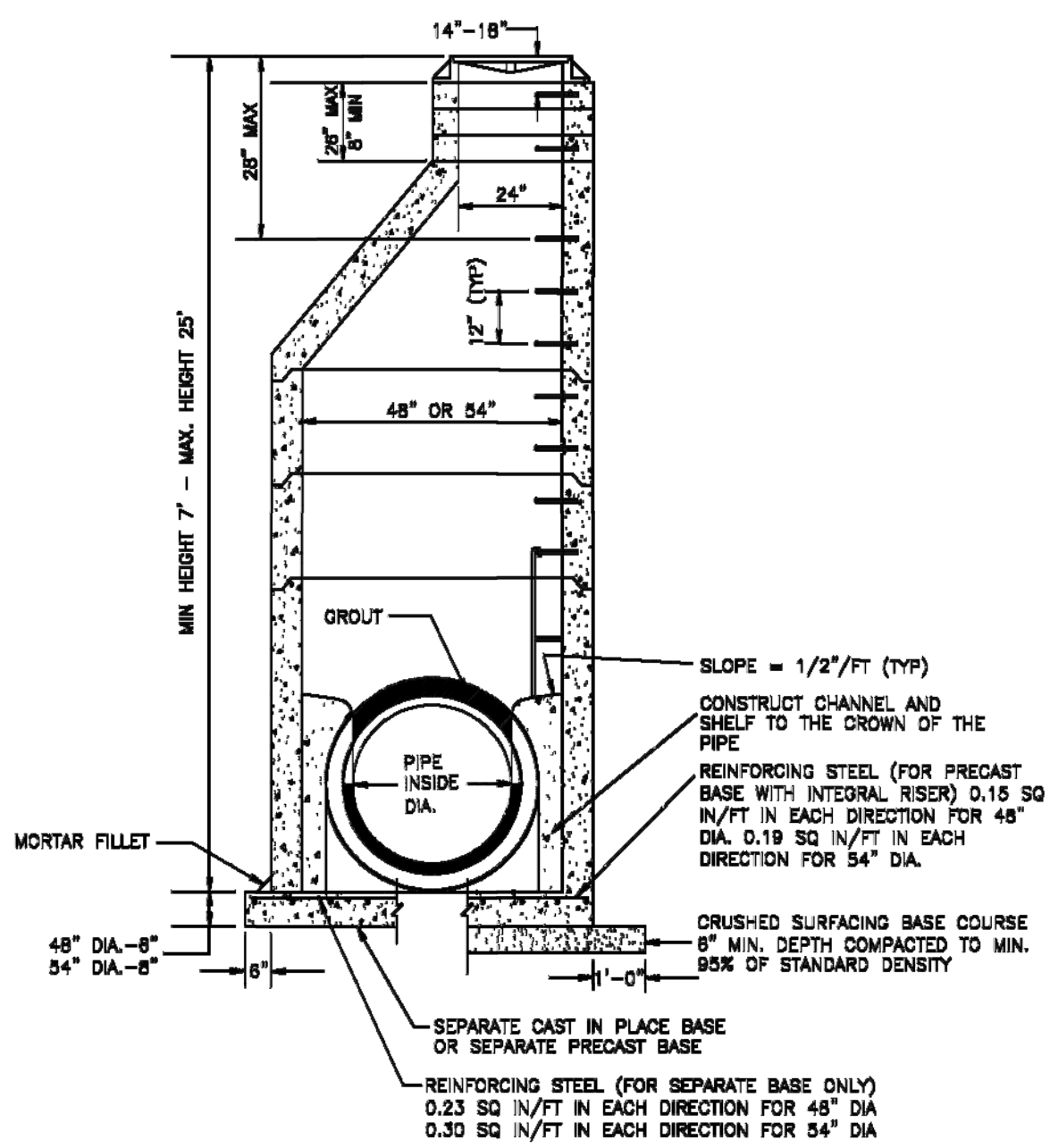
**NOTES:**

- MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M-199 (ASTM C 478) UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN STANDARD SPECIFICATIONS.
- ALL REINFORCED CAST IN PLACE CONCRETE SHALL BE CLASS 4000. NON-REINFORCED CONCRETE IN CHANNEL AND SHELF SHALL BE CLASS 3000. ALL PRECAST CONCRETE SHALL BE CLASS 4000.
- PRECAST BASES SHALL BE FURNISHED WITH CUTOUPS.
- ALL BASE REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI AND BE PLACED IN THE UPPER HALF OF THE BASE WITH 1" MINIMUM CLEARANCE.
- CUTOUP HOLE SIZE IS EQUAL TO PIPE OUTER DIAMETER PLUS MANHOLE WALL THICKNESS. MAXIMUM PIPE SIZE IS 12" FOR 48" MANHOLE, 24" FOR 54" MANHOLE. MINIMUM DISTANCE BETWEEN HOLES IS 8" (MEASURED ON THE INSIDE OF THE MANHOLE).
- MANHOLE SIZE DEPENDS ON SIZES, LOCATION AND NUMBERS OF HOLES FOR PIPES. MANHOLE DESIGN AND SIZE SHALL BE APPROVED AND WARRANTED BY THE MANHOLE SUPPLIER.
- MAX. HOLE SIZE IS 12" FOR 48" MANHOLE, 24" FOR 54" MANHOLE (SEE NOTES 5 & 6 ABOVE).
- FOR DEPTHS OVER 25' MANHOLE BASE SLAB DESIGN SHALL BE DESIGNED BY A STRUCTURAL ENGINEER.
- ALL INTERIOR AND EXTERIOR JOINTS TO BE GROUTED (SEE GROUT SPECIFICATIONS). GROUT TO BE 1/2" THICK MINIMUM AND 3" EACH SIDE OF JOINT MINIMUM. THEY MUST BE INSPECTED PRIOR TO BACKFILL.
- CORE DRILLING ONLY, HAMMERING KNOCKOUTS WILL NOT BE ALLOWED. KOR-N-SEAL FACTORY INSTALLED BOOTS ARE ALLOWED.
- MANHOLES 5'-7" DEEP MUST BE FLAT TOPS.



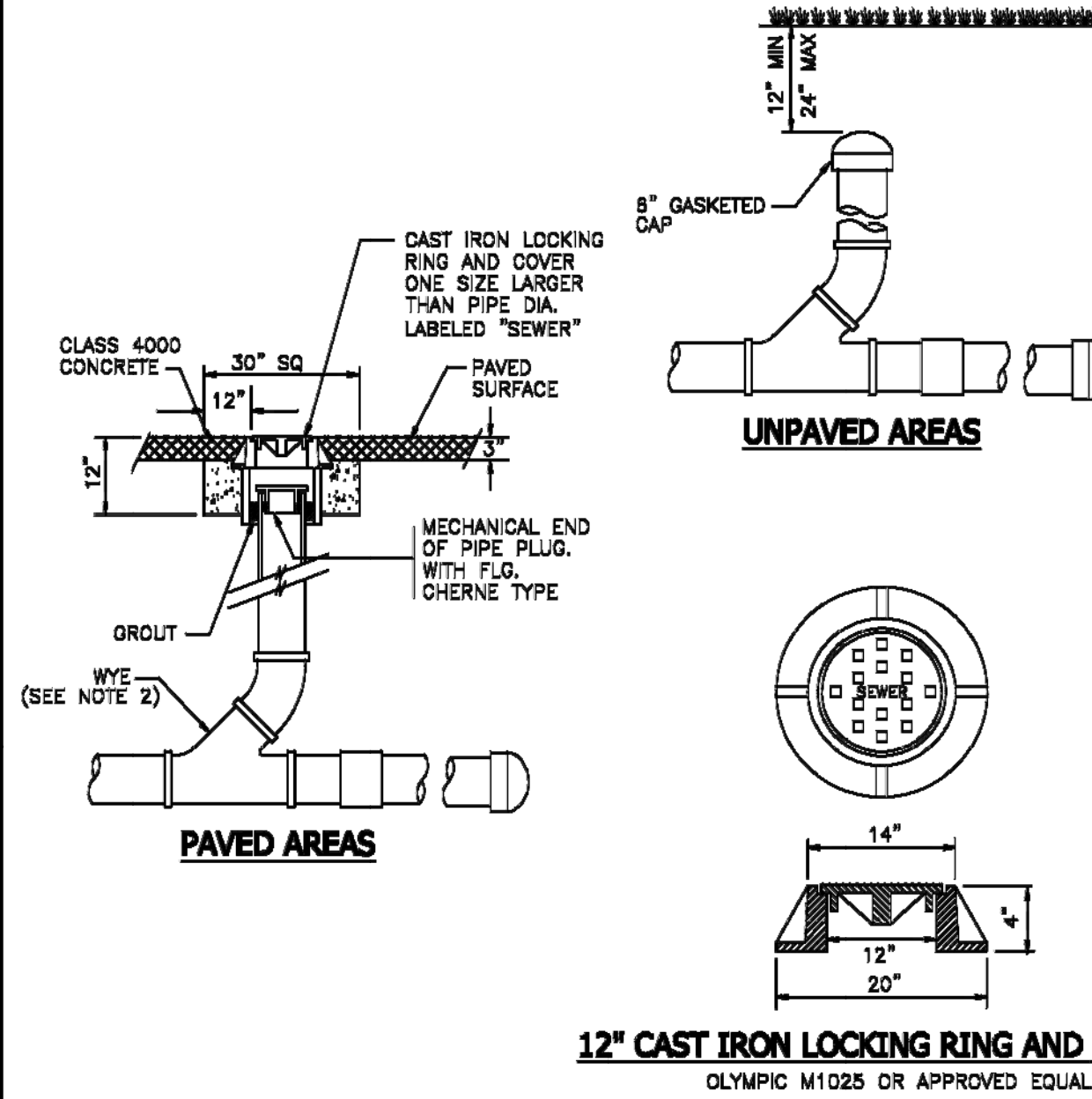
**NOTES:**

- SADDLE MANHOLE MAY ONLY BE USED WHEN PLACING A NEW MANHOLE OVER AN EXISTING SEWER LINE. SIZE, LOCATION, AND ANGLE MUST BE AS REQUIRED BY PLANS.
- OPENINGS IN PRECAST UNITS ARE TO BE 4" MINIMUM TO 8" MAXIMUM LARGER THAN THE OUTSIDE DIAMETER OF THE PROPOSED PIPE.
- CONSTRUCT BENCH AND INVERT TO ALLOW SMOOTH TRANSITION OF FLOW FROM NEW SEWER TO EXISTING SEWER.
- ALL NOTES ON SS-010 AND SS-015 ALSO APPLY TO THIS DETAIL.



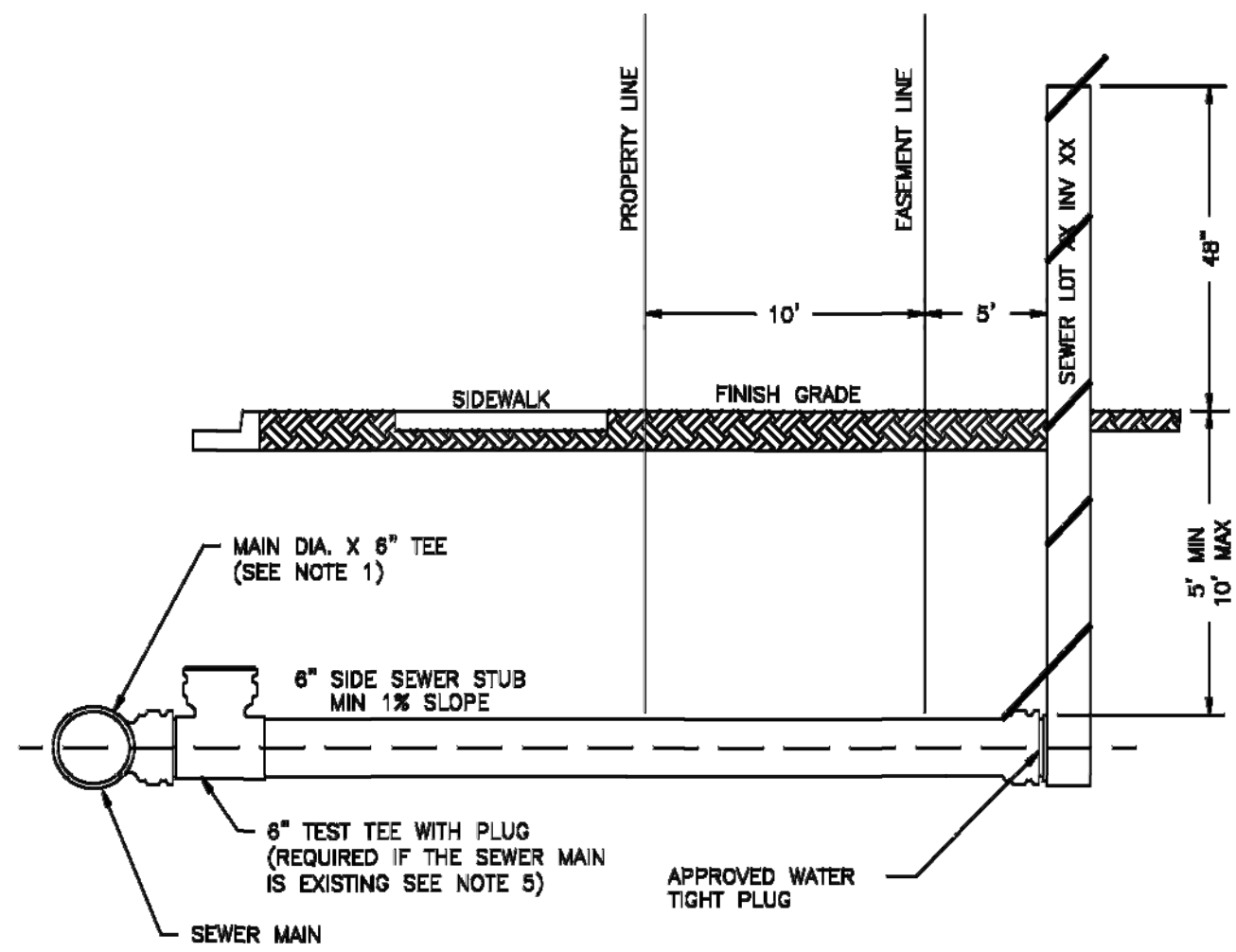
**NOTES:**

- CLEAN-OUT PIPE AND FITTINGS SHALL BE THE SAME MATERIAL AS THE SEWER MAIN.
- A SANITARY TEE, SWEEP, OR STRAIGHT TEE IS NOT ACCEPTABLE.
- SEWER STUB WILL BE EXTENDED 10' BEYOND PROPERTY LINE AND 5' BEYOND UTILITY EASEMENTS TO PREVENT DAMAGE TO CLEAN-OUT AND MINIMIZE CONFLICTS WITH OTHER UTILITIES WHEN SERVICE TO BUILDING IS ACCOMPLISHED.



**NOTES:**

- AT THE CONNECTION TO THE SEWER MAIN A MAIN DIA. X 6" TEE IS REQUIRED FOR NEW SEWER MAINS AND A ROMAC TAPPING TEE OR CORE DRILLED INSERT-A-TEE REQUIRED FOR AN EXISTING SEWER MAIN.
- 2x4 PRESSURE TREATED MARKER POST SHALL BE PAINTED WHITE WITH BLACK LETTERS "SEWER LOT # INVERT DEPTH".
- 12 GAUGE WIRE SHALL BE CONNECTED TO PIPE AT INVERT AND WRAPPED AROUND MARKER POST.
- DETECTOR TAPE REQUIRED FROM SEWER MAIN TO MARKER POST.
- TEST TEE SHALL BE INSTALLED AT THE SEWER MAIN WHEN A SIDE SEWER IS CONNECTED TO AN EXISTING SEWER MAIN.



CITY OF BELLINGHAM	APPROVED BY	L. BLAKE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
	DATE	07/21/2008	MANHOLE TYPE I	SS-010

CITY OF BELLINGHAM	APPROVED BY	L. BLAKE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
	DATE	07/21/2008	SADDLE MANHOLE	SS-020

CITY OF BELLINGHAM	APPROVED BY	L. BLAKE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
	DATE	07/21/2008	SEWER CLEANOUT	SS-080

CITY OF BELLINGHAM	APPROVED BY	L. BLAKE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
	DATE	07/21/2008	SIDE SEWER STUB	SS-090

REVISIONS

**HARMSEN ENGINEERS SURVEYORS**  
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 EVERETT, WA 98201



KING INDUSTRIAL  
 CONSTRUCTION DRAWINGS  
 ARLINGTON, WA  
 STANDARD DETAILS

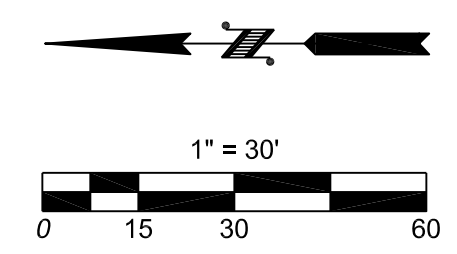
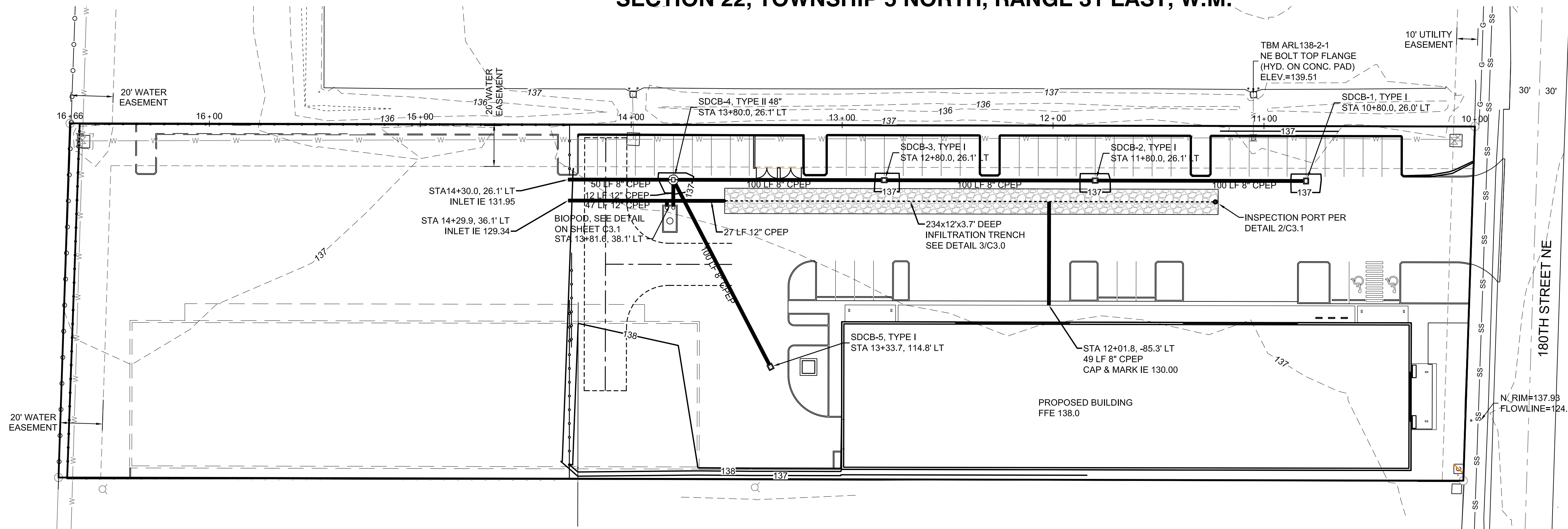
DATE: 2/21/23  
 JOB #: 22-069



C2.2



SECTION 22, TOWNSHIP 5 NORTH, RANGE 31 EAST, W.M.



**FOOTING DRAIN NOTES**

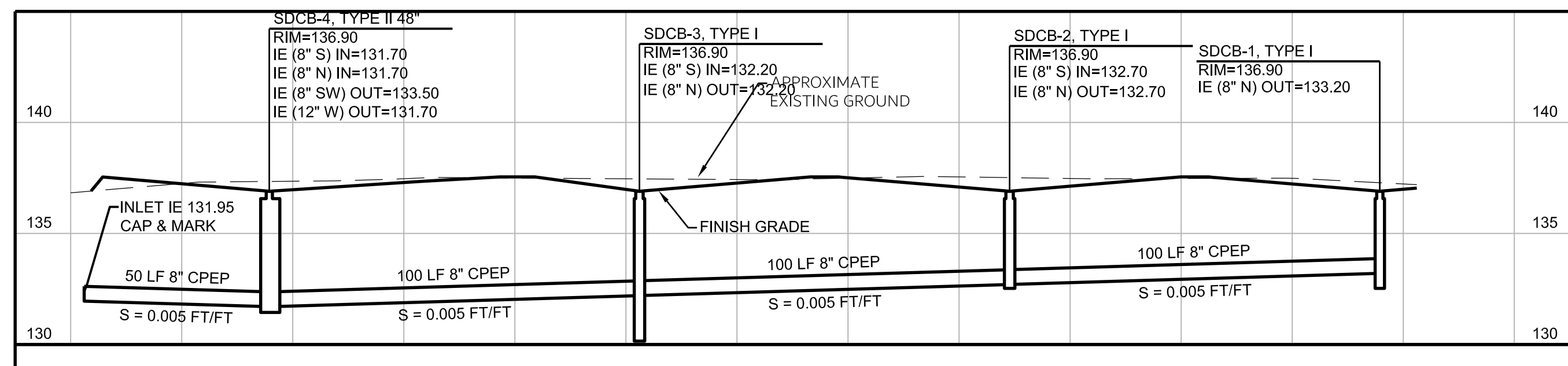
1. CONNECT BUILDING PERIMETER FOOTING DRAINS TO STORM COLLECTION SYSTEM. SEE FOUNDATION PLAN FOR FOOTING DRAIN LOCATION.
2. PROVIDE 6" PVC PIPE WITH MINIMUM PIPE SLOPE OF 1%.
3. ALL CONNECTIONS TO THE STORM SYSTEM SHALL OCCUR AT AN ELEVATION A MINIMUM OF 1' BELOW THE BOTTOM OF FOOTING ELEVATION.

**ROOF & YARD DRAIN PIPE NOTES**

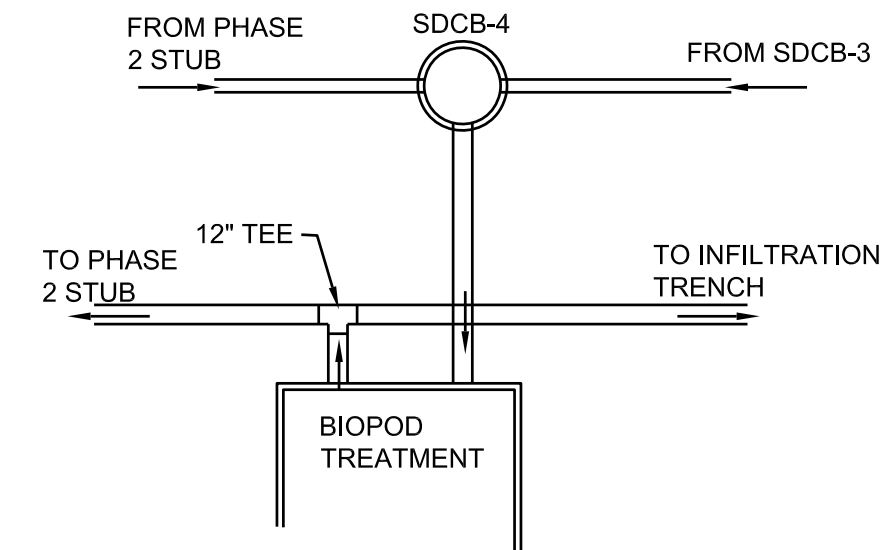
1. VERIFY DOWNSPOUT LOCATIONS WITH ARCHITECTURAL & MECHANICAL PLANS AND PROVIDE CONNECTION TO THE DETENTION SYSTEM.
2. PIPE RUNS SHALL HAVE MINIMUM POSITIVE SLOPE OF 1% AND 6" OR 8" MIN DIAMETER SMOOTH WALL PIPE PER PLAN.
3. INSTALL CLEANOUTS AT TEES, BENDS 45° OR GREATER AND AT INTERVALS NO GREATER THAN 150 LF.
4. PROVIDE NECESSARY FITTINGS TO CONNECT ROOF STUB TO DOWNSPOUT.

**STORM DRAINAGE NOTES:**

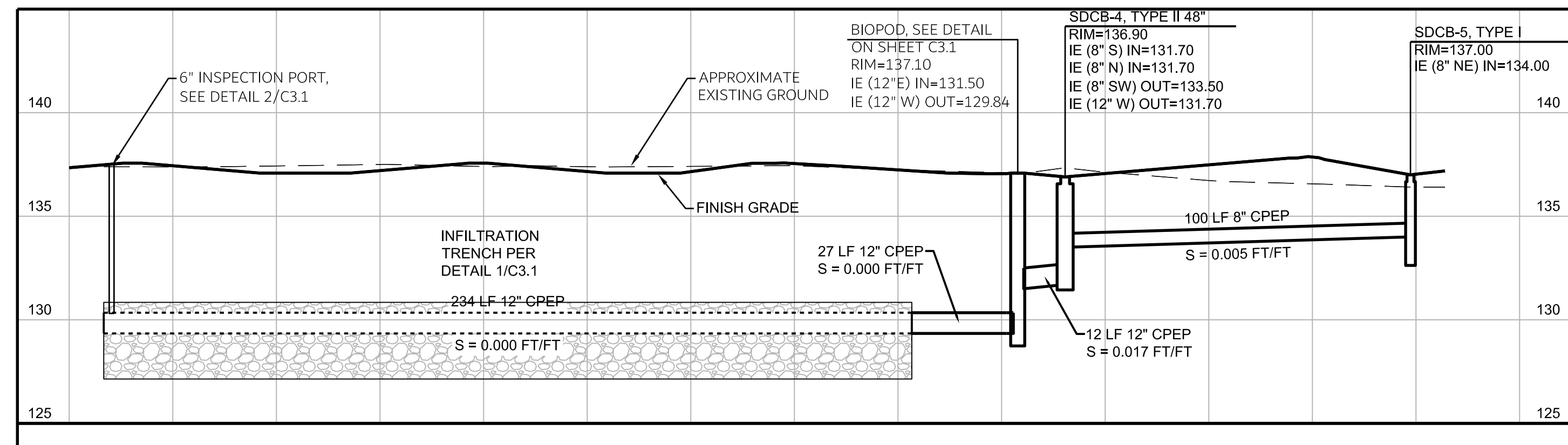
1. ALL STORM DRAINAGE IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE APPROVED PLANS AND CITY STANDARDS AND SPECIFICATIONS. ANY DEVIATION FROM THESE PLANS WILL REQUIRE PRIOR APPROVAL FROM THE OWNER, THE CITY ENGINEER, AND OTHER APPROPRIATE PUBLIC AGENCIES.
2. ALL PIPE MATERIALS SHALL MEET THE REQUIREMENTS OF THE CITY STANDARDS AND SPECIFICATIONS. ACCEPTABLE STORM DRAINAGE PIPE MATERIALS INCLUDE CONCRETE, PVC, HDPE, AND DUCTILE IRON. CORRUGATED METAL PIPES (GALVANIZED ALUMINUM OR STEEL) ARE NOT ACCEPTED BY THE CITY. ALL PIPE JOINTS MUST HAVE GASKETS AND SHALL BE WATER TIGHT UNLESS OTHERWISE DIRECTED BY THE CITY.
3. PIPE BEDDING MATERIAL SHALL BE 5/8-INCH MINUS CRUSHED GRAVEL FOR ALL PIPE TYPES, EXCEPT DUCTILE IRON. BEDDING MATERIAL FOR DUCTILE IRON PIPE SHALL MEET THE REQUIREMENTS OF THE CITY'S STANDARDS AND SPECIFICATIONS (CHAPTER 4).
4. ALL TRENCH BACKFILL IN AREAS OF PAVEMENT OR STRUCTURAL LOADING SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY. ALL OTHER AREAS SHALL BE COMPACTED TO AT LEAST 90% OF MAXIMUM DRY DENSITY.
5. ALL PIPE SHALL BE PLACED ON STABLE EARTH. IF IN THE OPINION OF THE CITY INSPECTOR, THE EXISTING TRENCH FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACKFILLED WITH GRAVEL BEDDING MATERIAL TO SUPPORT THE PIPE.
6. LOT DRAINAGE SYSTEMS, STUB-OUTS AND ANY DRAINS BEHIND THE SIDEWALK MUST BE INSTALLED AS REQUIRED PRIOR TO SIDEWALK CONSTRUCTION. STUB-OUTS SHALL BE MARKED WITH A 2"x4" WITH 3 FEET VISIBLE ABOVE GRADE AND MARKED "STORM". LOCATION AND DEPTH OF THESE INSTALLATIONS SHALL BE SHOWN ON THE AS-BUILT PLANS SUBMITTED TO THE CITY.
7. ALL CATCH BASINS SHALL BE TYPE 1 UNLESS OTHERWISE SHOWN ON THE PLANS AND APPROVED BY THE CITY. THE USE AND INSTALLATION OF INLETS IS DISCOURAGED.
8. ALL CATCH BASINS WITH A DEPTH OF 5 FEET (RIM TO INVERT) OR GREATER SHALL BE TYPE 2 CATCH BASINS EQUIPPED WITH 3/4 INCH DIAMETER SAFETY MANHOLE STEPS OR A MANHOLE LADDER PER CITY STANDARD DETAILS.
9. ALL GRATES SHALL BE MARKED "OUTFALL TO STREAM - DUMP NO POLLUTANTS". ALL SOLID COVER SHALL BE MARKED "DRAIN". ALL CATCH BASINS AND MANHOLES SHALL BE EQUIPPED WITH LOCKING FRAMES AND LIDS OR GRATES PER CITY STANDARD DETAILS.
10. ALL GRATES LOCATED IN THE GUTTER FLOW LINE (INLET AND CATCH BASIN) SHALL BE DEPRESSED 0.1 FOOT BELOW PAVEMENT LEVEL.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET AND CATCH BASIN FRAMES AND GRATES/COVERS TO GRADE JUST PRIOR TO CURB INSTALLATION AND PAVING.
12. ALL RETENTION/DETENTION FACILITIES SHALL BE INSTALLED AND IN OPERATION PRIOR TO, OR IN CONJUNCTION WITH, ALL CONSTRUCTION ACTIVITY, UNLESS OTHERWISE APPROVED BY THE CITY.
13. DETENTION/RETENTION PONDS WITH SIDE SLOPES STEEPER THAN 3:1 OR WITH A MAXIMUM WATER DEPTH GREATER THAN 3 FEET SHALL BE ENCLOSED WITH A VINYL COATED CHAIN LINK FENCE.
14. BIO-FILTRATION SWALES AND/OR FILTER STRIPS SHALL BE CONSTRUCTED, BEDDED OR SEEDED AND IN OPERATION PRIOR TO, OR SODDED IN CONJUNCTION WITH, ASPHALT PAVING. THE VEGETATION IN THE BIO-SWALE MUST BE WELL ESTABLISHED BEFORE PAVING BEGINS.
15. STORM WATER RETENTION/DETENTION FACILITIES, STORM DRAINAGE PIPE AND CATCH BASINS SHALL BE FLUSHED AND CLEANED BY THE DEVELOPER PRIOR TO THE CITY'S ACCEPTANCE OF THE PROJECT.
16. WHEN INFILTRATION FACILITIES ARE CONSTRUCTED, COMPACTION OF SOIL IS NOT ALLOWED, AS THE DESIGN IS BASED ON NATURAL SOIL IN THE ORIGINAL LOCATION. VEHICLES SHALL NOT BE DRIVEN OVER THE INFILTRATION AREA DURING CONSTRUCTION.
17. IF THE CONTRACTOR ENCOUNTERS GROUNDWATER OR SOIL CONDITIONS DIFFERENT FROM THAT SHOWN IN THE PLANS DURING INFILTRATION SYSTEM INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR.



**1 STORM DRAIN PROFILE**  
SCALE: H: 1" = 20' V: 1" = 5'



**3 SCHEMATIC LAYOUT**  
SCALE: NONE



**2 STORM DRAIN PROFILE**  
SCALE: H: 1" = 20' V: 1" = 5'

**REVISIONS**

HARMSEN ENGINEERS SURVEYORS  
425-252-1884  
206-343-5903

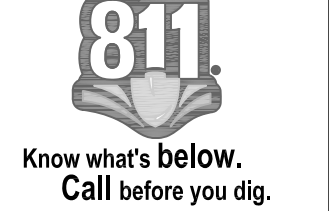
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2822 COLBY AVE., SUITE 300  
EVERETT, WA 98201



KING INDUSTRIAL CONSTRUCTION DRAWINGS ARLINGTON, WA  
STORM DRAINAGE PLAN & PROFILE

DATE: 2/21/23

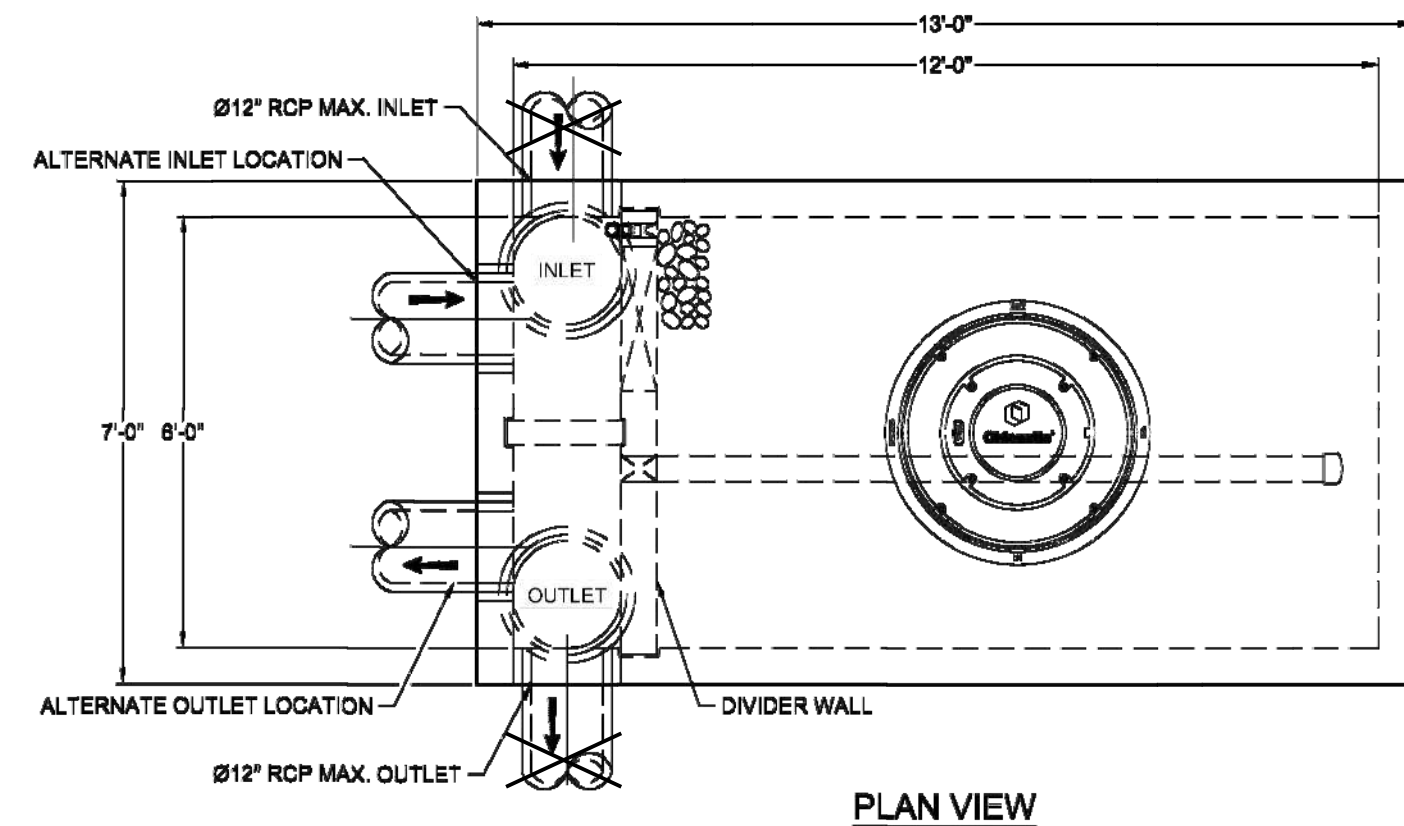
JOB #: 22-069



**C3.0**

# SECTION 22, TOWNSHIP 5 NORTH, RANGE 31 EAST, W.M.

SITE SPECIFIC DATA	
Structure ID	ID
Treatment Flow Rate (cfs)	0.16
Peak Flow Rate (cfs)	1.75
Rim Elevation	137.2±
Top of Vault Elevation	0.16
Pipe Data	Invert Elevation
Inlet	12" CPEP 131.50
Outlet	12" CPEP 129.84
Notes:	
PERFORMANCE SPECIFICATIONS	
Treatment Flow Capacities:	
NJDEP 80% Removal, 75 micron	0.240 cfs
WA Ecology GUID - Basic Enhanced & Phosphorus	0.213 cfs
Bypass Capacity	5.0 cfs
*Contact Oldcastle for alternative treatment flow capacities.	



- NOTES:**
- DESIGN LOADINGS:
    - AASHTO HS-20-44 (WITH IMPACT)
    - DESIGN SOIL COVER: 8'-0" MAXIMUM
    - ASSUMED WATER TABLE BELOW BASE OF PRECAST
    - ENGINEER-OF-RECORD TO CONFIRM SITE WATER TABLE ELEVATION
    - LATERAL EARTH PRESSURE: 48 PCF (DRAINED)
    - LATERAL LIVE LOAD BURCHARGE: 80 PSF (APPLIED TO 1'-0" BELOW GRADE)
    - NO LATERAL BURCHARGE FROM ADJACENT BUILDINGS, WALLS, PIER, OR FOUNDATIONS.
  - CONCRETE 30-DAY MINIMUM COMPRESSIVE STRENGTH: 5000 PSI MINIMUM
  - REINFORCING: REBAR, ASTM A615/108, GRADE 60
  - CEMENT: ASTM C150
  - REQUIRED ALLOWABLE SOIL BEARING CAPACITY: 2.500 PSF
  - REFERENCE STANDARD:
    - ASTM C890
    - ASTM C913
    - ACI 318-14
  - THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED HEREIN. ENGINEER-OF-RECORD SHALL VERIFY THAT NOTED PARAMETERS MEET OR EXCEED PROJECT REQUIREMENTS. IF DESIGN PARAMETERS ARE INCORRECT, REVIEWING ENGINEER/AGENCY SHALL NOTIFY LOCAL/STATE INFRASTRUCTURE UPON REVIEW.
  - INLET AND OUTLET HOLES WILL BE FACTORY CORROSET PER PLANS AND CUSTOMER REQUIREMENTS. INLET AND OUTLET LOCATIONS CAN BE MARKED.
  - CONTRACTOR RESPONSIBLE TO VERIFY ALL BIZER, LOCATIONS, AND ELEVATIONS OF OPENINGS.
  - CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE BEARING SURFACE IS PROVIDED I.E. COMPACTED AND LEVEL PER PROJECT SPECIFICATIONS.
  - SECTION HEIGHTS, SLABWALL THICKNESSES, AND KEYWAYS ARE SUBJECT TO CHANGE AS REQUIRED FOR SITE REQUIREMENTS AND/OR DUE TO PRODUCT AVAILABILITY AND PRODUCTION FACILITY CONSTRAINTS.
  - MAXIMUM PICK WEIGHTS:
    - TOP: 25000 LBS
    - BASE: 20000 LBS
    - COMBINED WEIGHT OF BASE INCLUDING BYPASS WEIR, DIVIDER WALL, ROCK & MEDIA
  - INTERNALS SHALL CONSIST OF UNDERDRAIN PIPE, ROCK, STORMMIX™ MEDIA, MULCH, DIVIDER WALL, BYPASS WEIR AND OPTIONAL DRAIN DOWN.

**Oldcastle Infrastructure**  
A subsidiary

Product Name: **StormMixer™**  
Underground Vault with Internal Bypass

Project Name: **Spacer Dam/ing**  
BPU-41213

Sheet: **1 OF 1**

## BMP T5.13: POST-CONSTRUCTION SOIL QUALITY

THIS BMP SHALL BE USED IN THE LANDSCAPED AREAS ON THE SITE AND ANY OTHER DISTURBED AREAS.

**SOIL RETENTION**  
RETAIN, IN AN UNDISTURBED STATE, THE DUFF LAYER AND NATIVE TOPSOIL TO THE MAXIMUM EXTENT PRACTICABLE. IN ANY AREAS REQUIRING GRADING REMOVE AND STOCKPILE THE DUFF LAYER AND TOPSOIL ON SITE IN A DESIGNATED, CONTROLLED AREA, NOT ADJACENT TO PUBLIC RESOURCES AND CRITICAL AREAS, TO BE REAPPLIED TO OTHER PORTIONS OF THE SITE WHERE FEASIBLE.

**SOIL QUALITY**  
ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING:

- A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.
- MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MATERIAL
- USE COMPOST AND OTHER MATERIALS THAT MEET THESE ORGANIC CONTENT REQUIREMENTS:
  - THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST MEETING THE COMPOST BELOW, WITH THE EXCEPTION THAT THE COMPOST MAY HAVE UP TO 35% BIOSOLIDS OR MANURE. THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 40% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.
  - CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIAL MEETING (A) ABOVE, OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND NOT EXCEEDING THE CONTAMINANT LIMITS IDENTIFIED IN TABLE 220-B, TESTING PARAMETERS, IN WAC 173-350-220.

THE RESULTING SOIL SHOULD BE CONDUCIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED.

**IMPLEMENTATION OPTIONS:**  
THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW:

- LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.
- AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON TESTS OF THE SOIL AND AMENDMENT.
- STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT "PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE.
- IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS

MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

**COMPOST**  
TO ENSURE THAT THE BSM WILL SUPPORT HEALTHY PLANT GROWTH AND ROOT DEVELOPMENT, CONTRIBUTE TO BIOFILTRATION OF POLLUTANTS, AND NOT RESTRICT INFILTRATION WHEN USED IN THE PROPORTIONS CITED HEREIN, THE FOLLOWING COMPOST STANDARDS ARE REQUIRED.

MEETS THE DEFINITION OF "COMPOSTED MATERIAL" IN WAC 173-350-100 AND COMPLIES WITH TESTING PARAMETERS AND OTHER STANDARDS IN WAC 173-350-220.

PRODUCED AT A COMPOSTING FACILITY THAT IS PERMITTED BY THE JURISDICTIONAL HEALTH AUTHORITY. PERMITTED COMPOST FACILITIES IN WASHINGTON ARE INCLUDED ON A LIST AVAILABLE AT [HTTP://WWW.ECY.WA.GOV/PROGRAMS/SWFA/ORGANICS/SOIL.HTML](http://www.ecy.wa.gov/PROGRAMS/SWFA/ORGANICS/SOIL.HTML)

THE COMPOST PRODUCT MUST ORIGINATE A MINIMUM OF 65 PERCENT BY VOLUME FROM RECYCLED PLANT WASTE COMPRISED OF "YARD DEBRIS," "CROP RESIDUES," AND "BULKING AGENTS" AS THOSE TERMS ARE DEFINED IN WAC 173-350-100. A MAXIMUM OF 35 PERCENT BY VOLUME OF "POST-CONSUMER FOOD WASTE" AS DEFINED IN WAC 173-350-100, BUT NOT INCLUDING BIOSOLIDS, MAY BE SUBSTITUTED FOR RECYCLED PLANT WASTE.

STABLE (LOW OXYGEN USE AND CO2 GENERATION) AND MATURE (CAPABLE OF SUPPORTING PLANT GROWTH) BY TESTS SHOWN BELOW. THIS IS CRITICAL TO PLANT SUCCESS IN A BIORETENTION SOIL MIXES.

**MOISTURE CONTENT RANGE:**  
NO VISIBLE FREE WATER OR DUST PRODUCED WHEN HANDLING THE MATERIAL.

TESTED IN ACCORDANCE WITH THE U.S. COMPOSTING COUNCIL "TEST METHOD FOR THE EXAMINATION OF COMPOST AND COMPOSTING" (TMECC), AS ESTABLISHED IN THE COMPOSTING COUNCIL'S "SEAL OF TESTING ASSURANCE" (STA) PROGRAM. MOST WASHINGTON COMPOST FACILITIES NOW USE THESE TESTS.

SCREENED TO THE FOLLOWING SIZE GRADATIONS FOR FINE COMPOST WHEN TESTED IN ACCORDANCE WITH TMECC TEST METHOD 02.02-B, SAMPLE SIEVING FOR AGGREGATE SIZE CLASSIFICATION."

FINE COMPOST SHALL MEET THE FOLLOWING GRADATION BY DRY WEIGHT

- MINIMUM PERCENT PASSING 2": 100%
- MINIMUM PERCENT PASSING 1": 99%
- MINIMUM PERCENT PASSING 5/8": 90%
- MINIMUM PERCENT PASSING 1/2": 75%

PH BETWEEN 6.0 AND 8.5 (TMECC 04.11-A). "PHYSICAL CONTAMINANTS" (AS DEFINED IN WAC 173-350-100) CONTENT LESS THAN 1% BY WEIGHT (TMECC 03.08-A) TOTAL, NOT TO EXCEED 0.25 PERCENT FILM PLASTIC BY DRY WEIGHT.

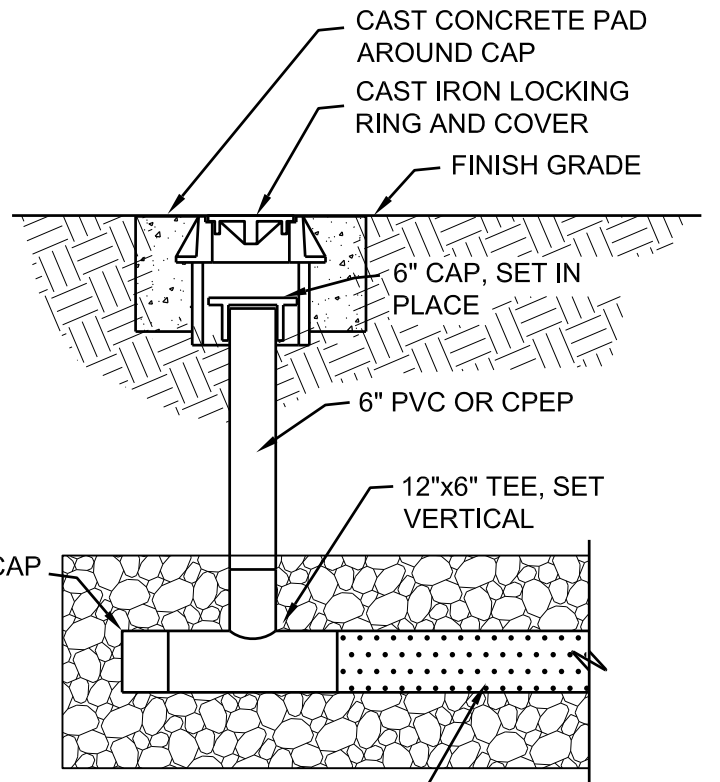
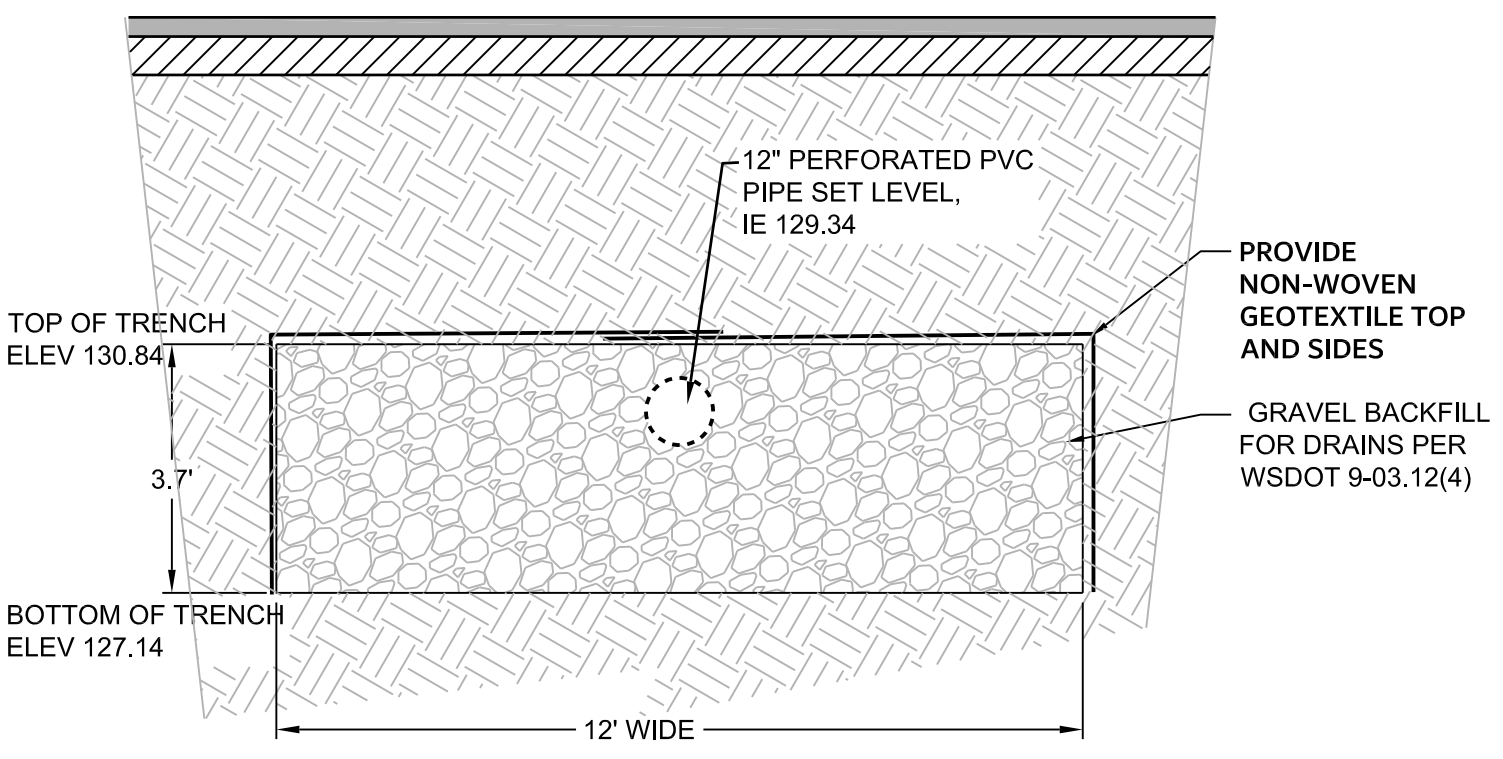
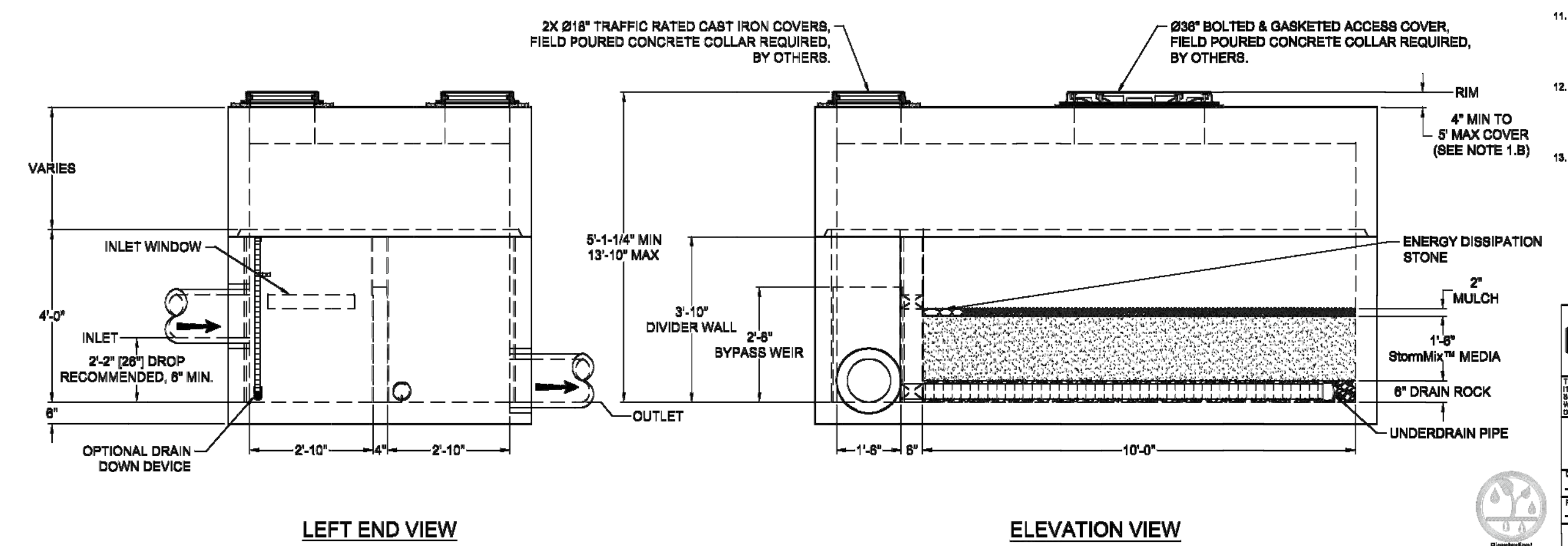
MINIMUM ORGANIC MATTER CONTENT OF 40% (TMECC 05.07-A "LOSS ON IGNITION")

SOLUBLE SALT CONTENT LESS THAN 4.0 DSM (MMHOS/CM) (TMECC 04.10-A "ELECTRICAL CONDUCTIVITY, 1:5 SLURRY METHOD, MASS BASIS")

MATURITY INDICATORS FROM A CUCUMBER BIOASSAY (TMECC 05.05-A "SEEDLING EMERGENCE AND RELATIVE GROWTH") MUST BE GREATER THAN 80% FOR BOTH EMERGENCE AND VIGOR"

STABILITY OF 7 MG CO2-C/G OM/DAY OR BELOW (TMECC 05.08-B "CARBON DIOXIDE EVOLUTION RATE")

CARBON TO NITROGEN RATIO (TMECC 05.02A " CARBON TO NITROGEN RATIO" WHICH USES 04.01 "ORGANIC CARBON" AND 04.02D "TOTAL NITROGEN BY OXIDATION") OF LESS THAN 25:1. THE C:N RATIO MAY BE UP TO 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PUGET SOUND LOWLAND NATIVE SPECIES AND UP TO 40:1 FOR COARSE COMPOST TO BE USED AS A SURFACE MULCH (NOT IN A SOIL MIX).



### REVISIONS

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EVERETT, WA 98201

425-252-1884  
206-343-5903

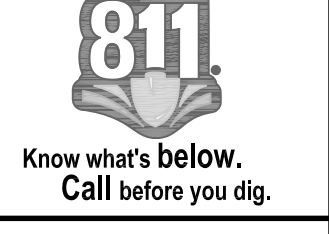


KING INDUSTRIAL CONSTRUCTION DRAWINGS ARLINGTON, WA

STORM DETAILS

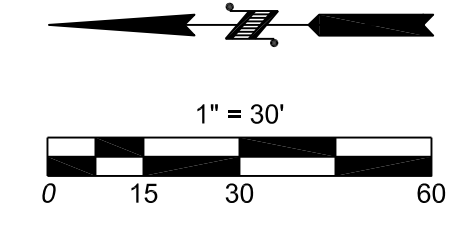
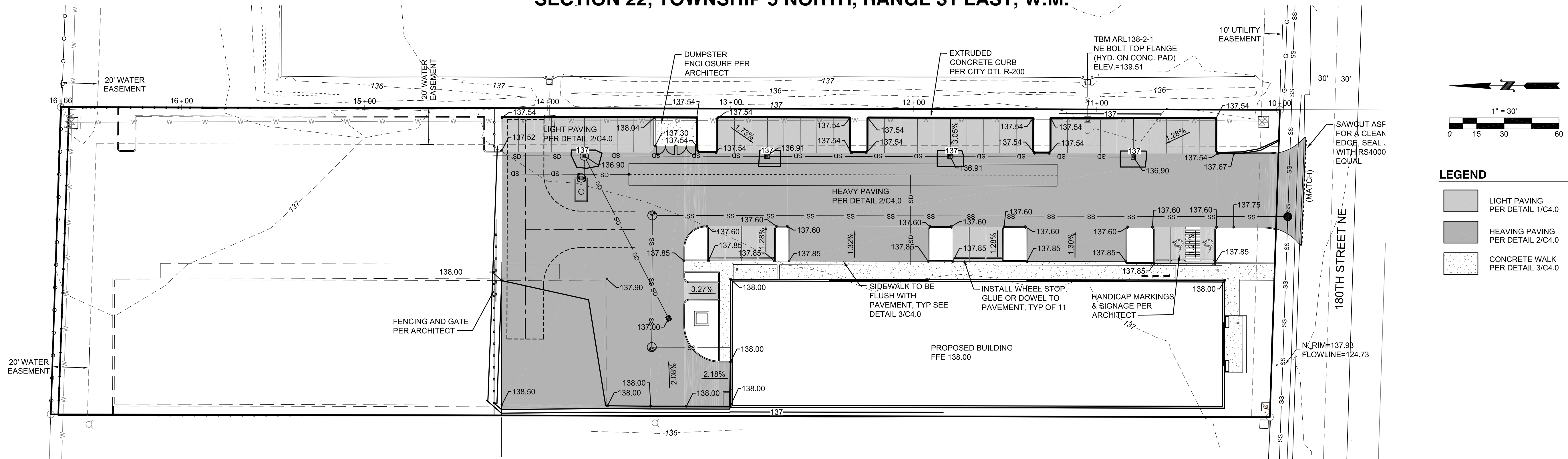
DATE: 2/21/23

JOB #: 22-069



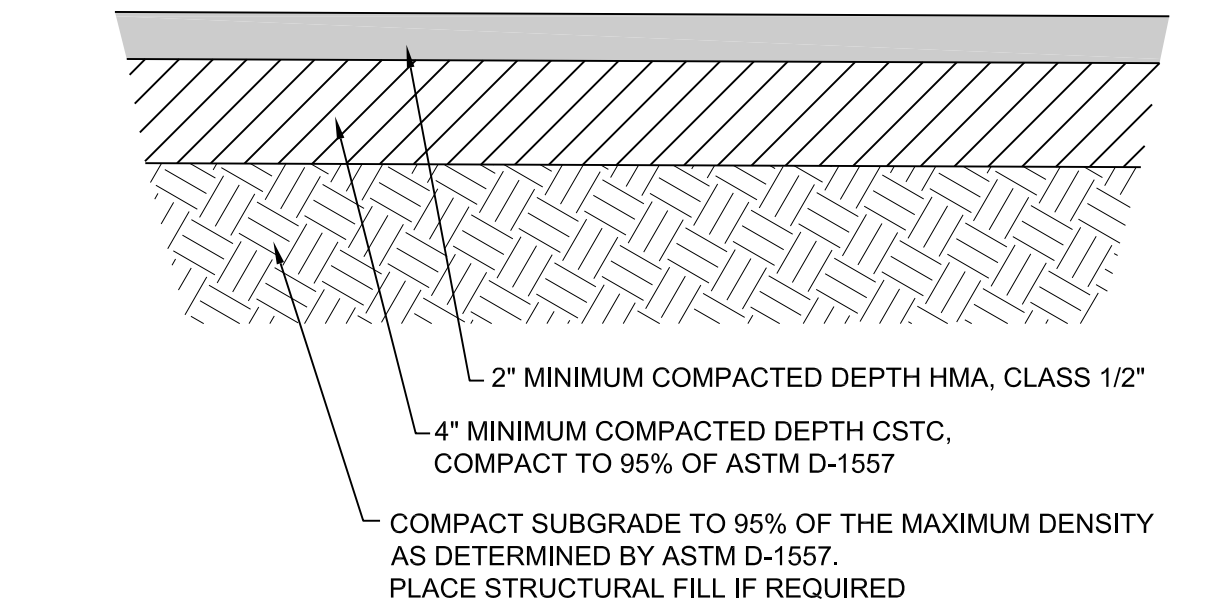
**C3.1**

SECTION 22, TOWNSHIP 5 NORTH, RANGE 31 EAST, W.M.

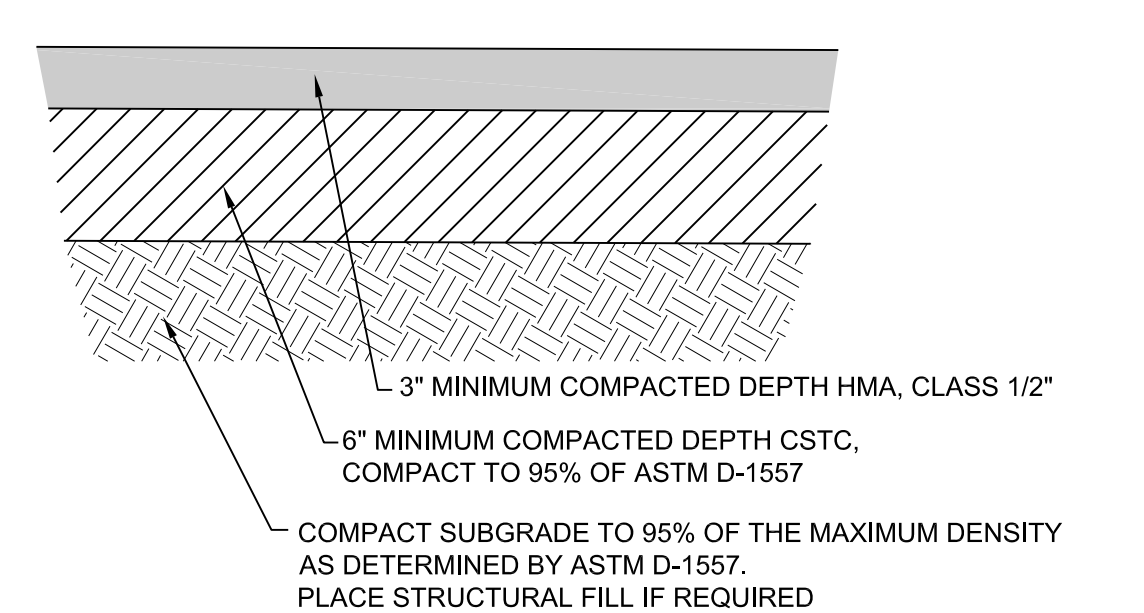


**LEGEND**

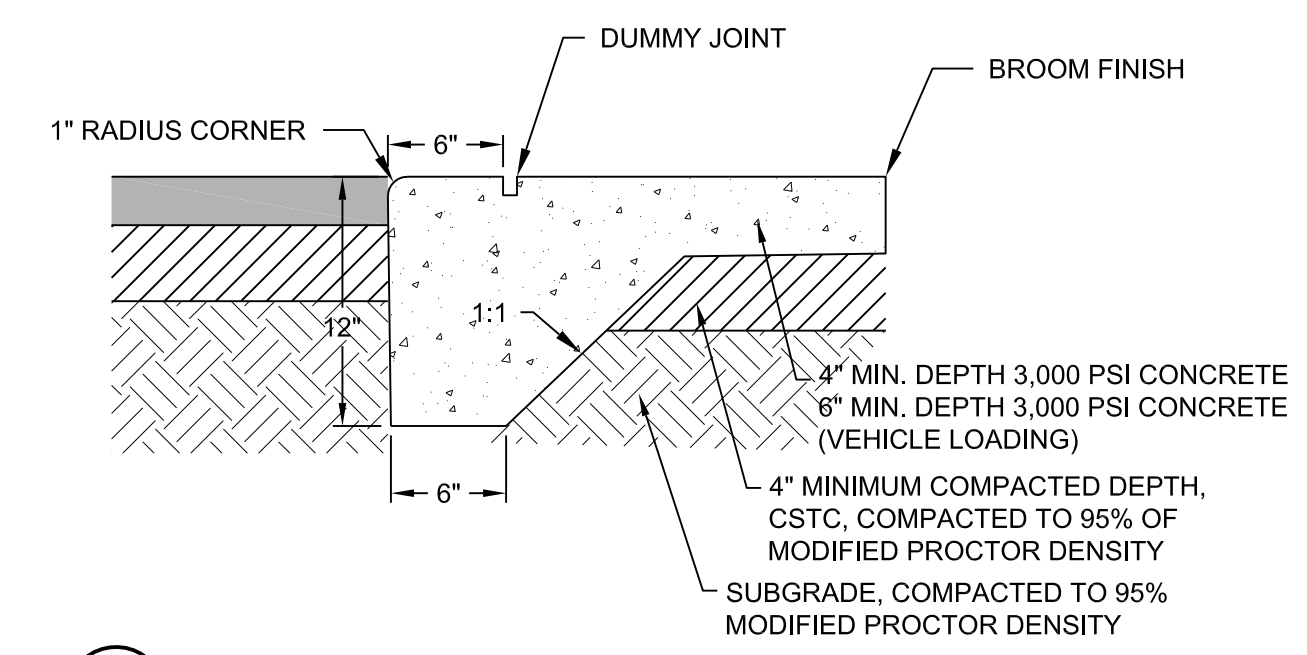
[Light Gray Box]	LIGHT PAVING PER DETAIL 1/C4.0
[Dark Gray Box]	HEAVY PAVING PER DETAIL 2/C4.0
[White Box with Dashed Border]	CONCRETE WALK PER DETAIL 3/C4.0



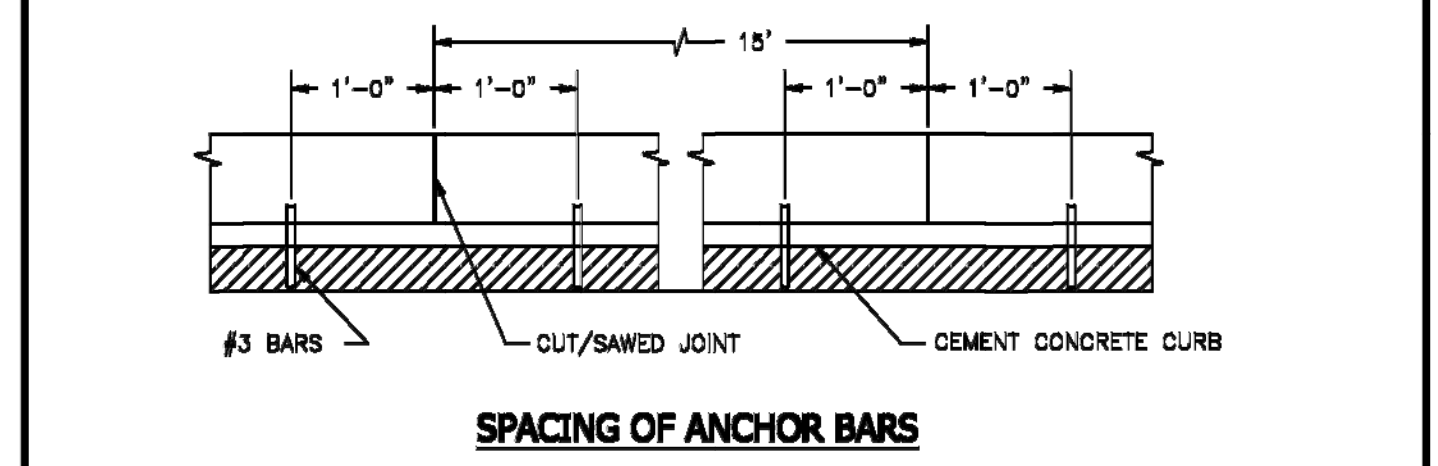
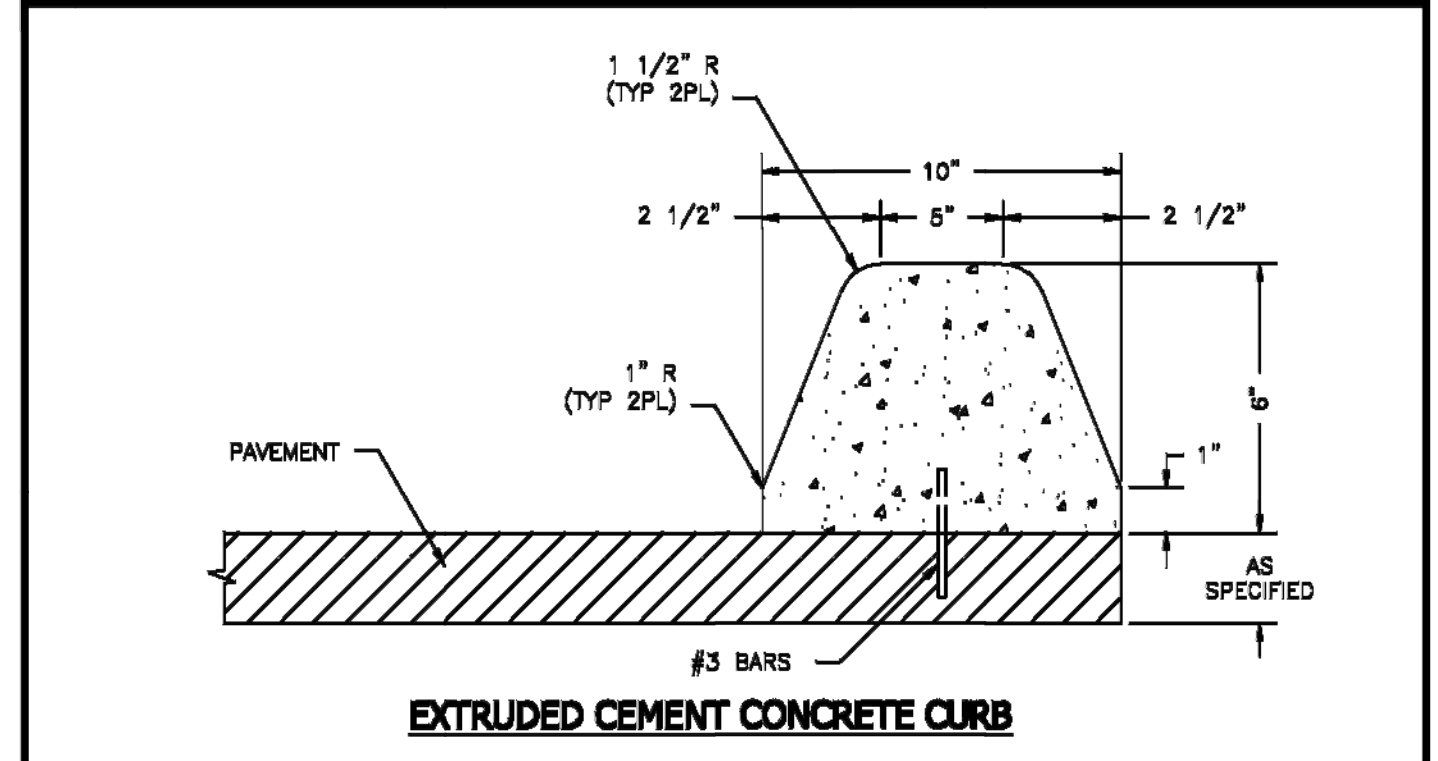
**1 LIGHT PAVING SECTION**  
SCALE: NONE



**2 HEAVY PAVING SECTION**  
SCALE: NONE



**3 FLUSH SIDEWALK**  
SCALE: NONE



- NOTES:**
- DUMMY JOINTS SHALL BE PLACED NOT TO EXCEED 15' ON CENTER. THRU JOINTS SHALL BE PLACED ONLY AT POINTS OF TANGENCY ON STREET ALLEY AND DRIVEWAY RETURNS AND WHERE THRU JOINTS OCCUR IN THE PAVEMENT SLAB.
  - CONCRETE SHALL BE CLASS 3000 OR COMMERCIAL WITH AIR-ENTRAINMENT.
  - AT THE CONTRACTOR'S OPTION CONCRETE CURBS MAY BE ANCHORED TO THE SIDE OF EVERY JOINT, OR BY USING AN ADHESIVE. THE ADHESIVE SHALL MEET THE REQUIREMENTS OF SECTION 9-20 OF THE WSDOT/APWA STANDARD SPECIFICATIONS FOR TYPE II EPOXY RESIN.

CITY OF ARLINGTON	APPROVED BY	L. BLAKE	DEPARTMENT OF PUBLIC WORKS <b>STANDARD DETAILS</b>	STANDARD DETAIL NUMBER <b>R-200</b>
	DATE	01/21/2023		
	REVISED BY		<b>EXTRUDED CONCRETE CURB</b>	

**REVISIONS**

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 425-252-1884  
 206-343-5903

**HARMSEN ENGINEERS SURVEYORS**  
 2822 COLBY AVE., SUITE 300  
 EVERETT, WA 98201



**KING INDUSTRIAL CONSTRUCTION DRAWINGS**  
 ARLINGTON, WA  
**PAVING PLAN**

DATE: 2/21/23

JOB #: 22-069



**C4.0**

# SYMBOLS LEGEND

- ⓧ DOOR NUMBER. SEE DOOR SCHEDULE DWG. A5.1
- ⓧ ROOM NUMBER. SEE FINISH SCHEDULE DWG. A5.1
- ⓧ WALL TYPE. SEE THIS DRAWING.
- ⓧ WINDOW TYPE. SEE WINDOW TYPES DWG A5.1
- FE 5 LB.-2A 10BC FIRE EXTINGUISHER IN RECESSED FIRE EXTINGUISHER CABINET. SEE DRAWING A 5.1 FOR MOUNTING HEIGHT.
- EMERGENCY EXIT SIGN.\*
- EMERGENCY EGRESS LIGHTING W/ AN EMERGENCY BATTERY SYSTEM BACKUP. PROVIDE FOR 1 FC MINIMUM AT ALL AREAS WITHIN BUILDING.\*
- \* PROVIDE AN EMERGENCY POWER SUPPLY WITH A MINIMUM DURATION OF 90 MINUTES. EXIT SIGNS SHALL BE LIGHTED 24/7.

# WALL TYPES

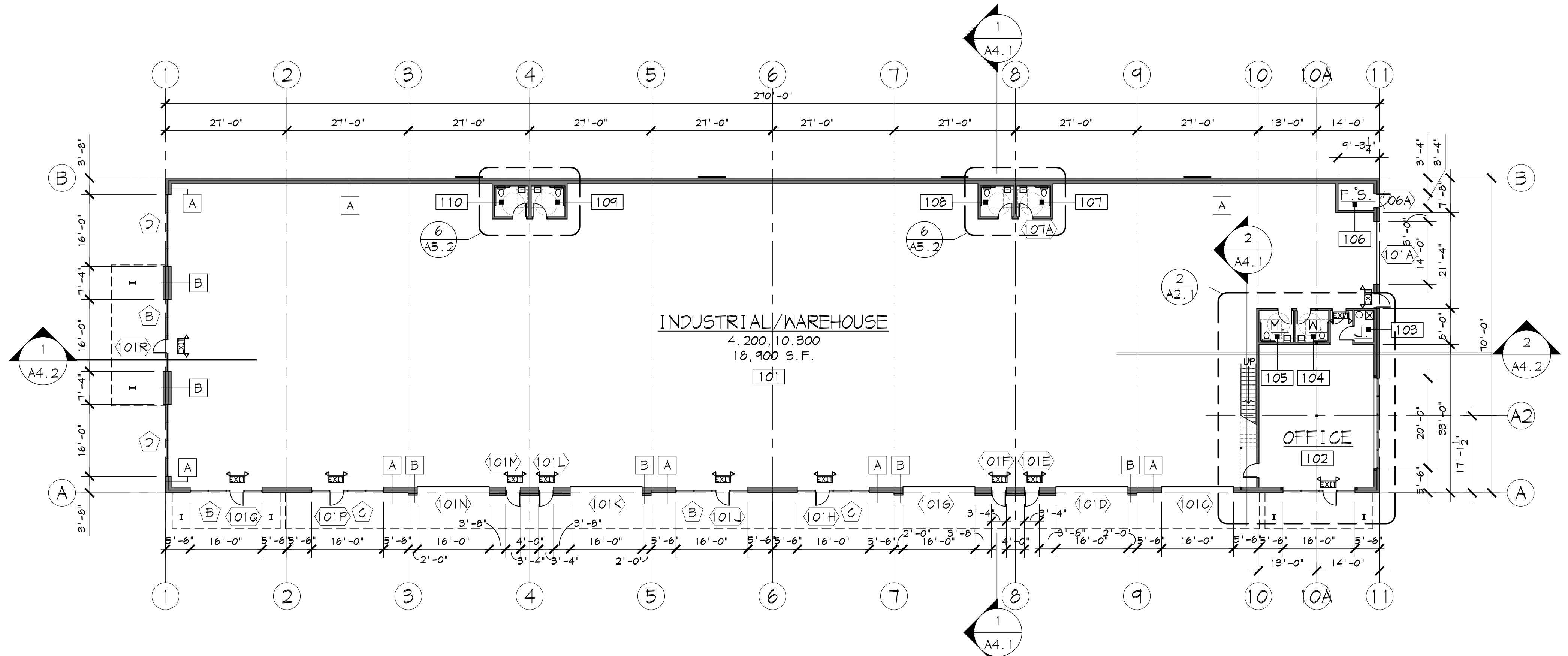
- A TILT-UP CONCRETE PANEL WALL. THICKNESS PER STRUCTURAL. 2" RIGID CONTINUOUS INSULATION (R-10) AT INTERIOR OF CONCRETE PANELS. FURR WALLS WITH 6" MTL STUDS AT 16" O.C. AND R-21 INSUL. IN CAVITIES W/ 4 MIL. MIN. VAPOR BARRIER AT INTERIOR SIDE OF STUDS. PROVIDE FIRE BLOCKING AT CONCEALED SPACES AND AT 10'-0" INTERVALS PER IBC 710.2. U VALUE = 0.053 TO 0.054
- B TILT UP CONCRETE PANEL WALL. THICKNESS PER STRUCTURAL. 2" RIGID CONTINUOUS INSULATION (R-10). FURR WALLS W/ 6" MTL STUDS AT 16" O.C. AND R-21 INSULATION IN CAVITIES W/ 4 MIL. MIN. VAPOR BARRIER AT INTERIOR SIDES OF STUDS. 5/8" GYP WALL BOARD FURR EXTERIOR SIDE OF PANELS W/ 6" MTL STUDS FINISH W/ MTL PANEL SIDING. PROVIDE FIRE BLOCKING AT CONCEALED SPACES AND AT 10'-0" INTERVALS PER IBC 710.2. U VALUE = 0.053 TO 0.054
- C CONSTRUCT WALLS FROM FLOOR TO UNDERSIDE OF CEILING W/ 6" MTL STUDS AT 16" O.C. W/ 5/8" G.W.B. EA. SIDE. FILL CAVITIES W/ R-21 BATT INSULATION
- D CONSTRUCT WALLS FROM FLOOR TO UNDERSIDE OF CEILING W/ 3 1/2" MTL STUDS AT 16" O.C. W/ 5/8" G.W.B. EA. SIDE

# ENERGY COMPONENTS/ NOTES

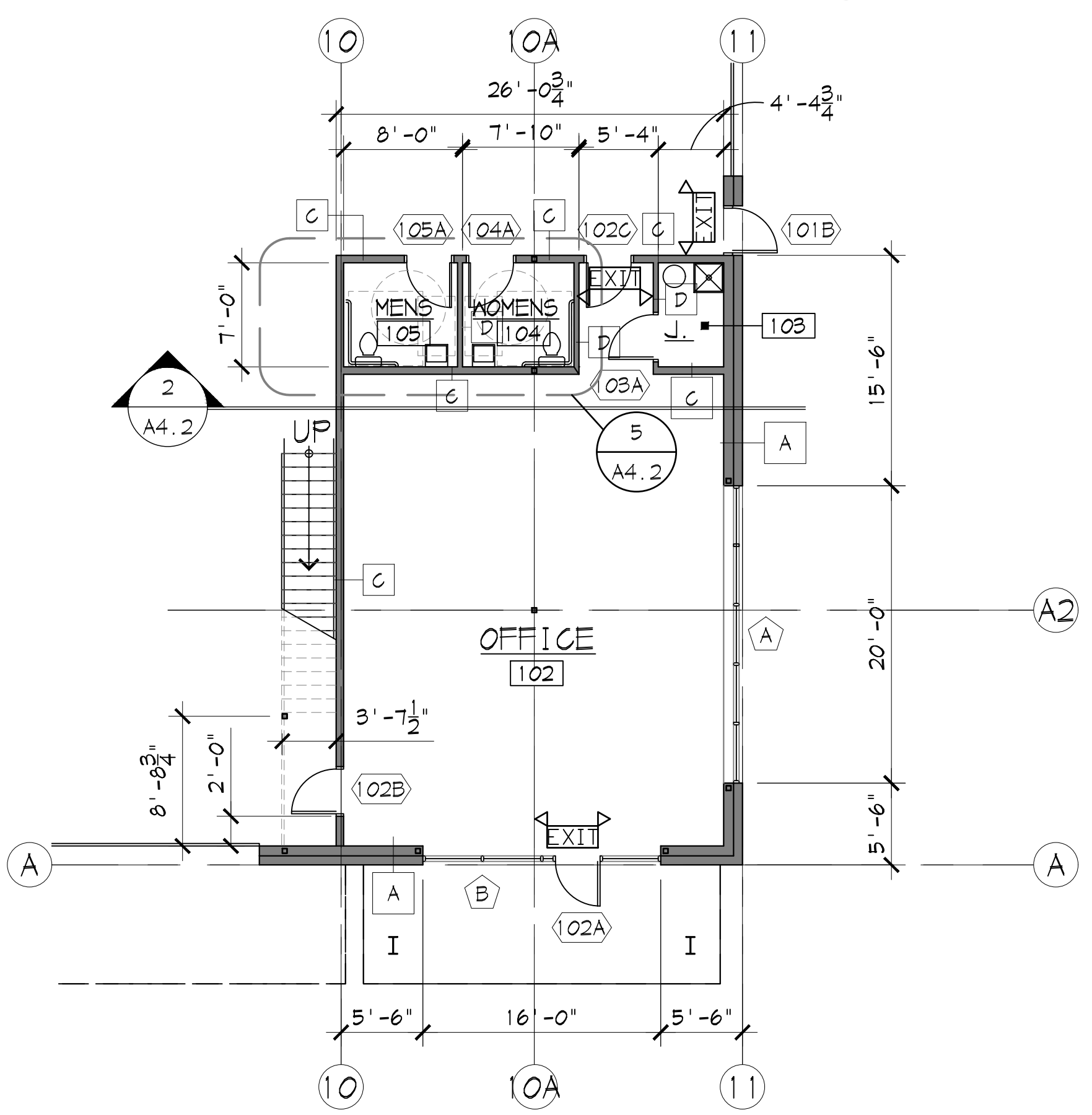
SYSTEM	U-VALUE
ROOF (INSULATION ENTIRELY ABOVE DECK)	0.027
WALLS	0.104
SLAB ON GRADE	F=0.54
DOORS	
OPAQUE	0.37
NON-SWINGING	0.34
GARAGE DOORS	0.31

VESTIBULES C402.5.7 EXCEPTION 2: VESTIBULE REQUIRED AT TIME OF TENANT BUILD-OUT IF ENTRANCE SERVES A SPACE GREATER THAN 3,000 SQUARE FEET IN AREA AND SPACE IS FULLY CONDITIONED.

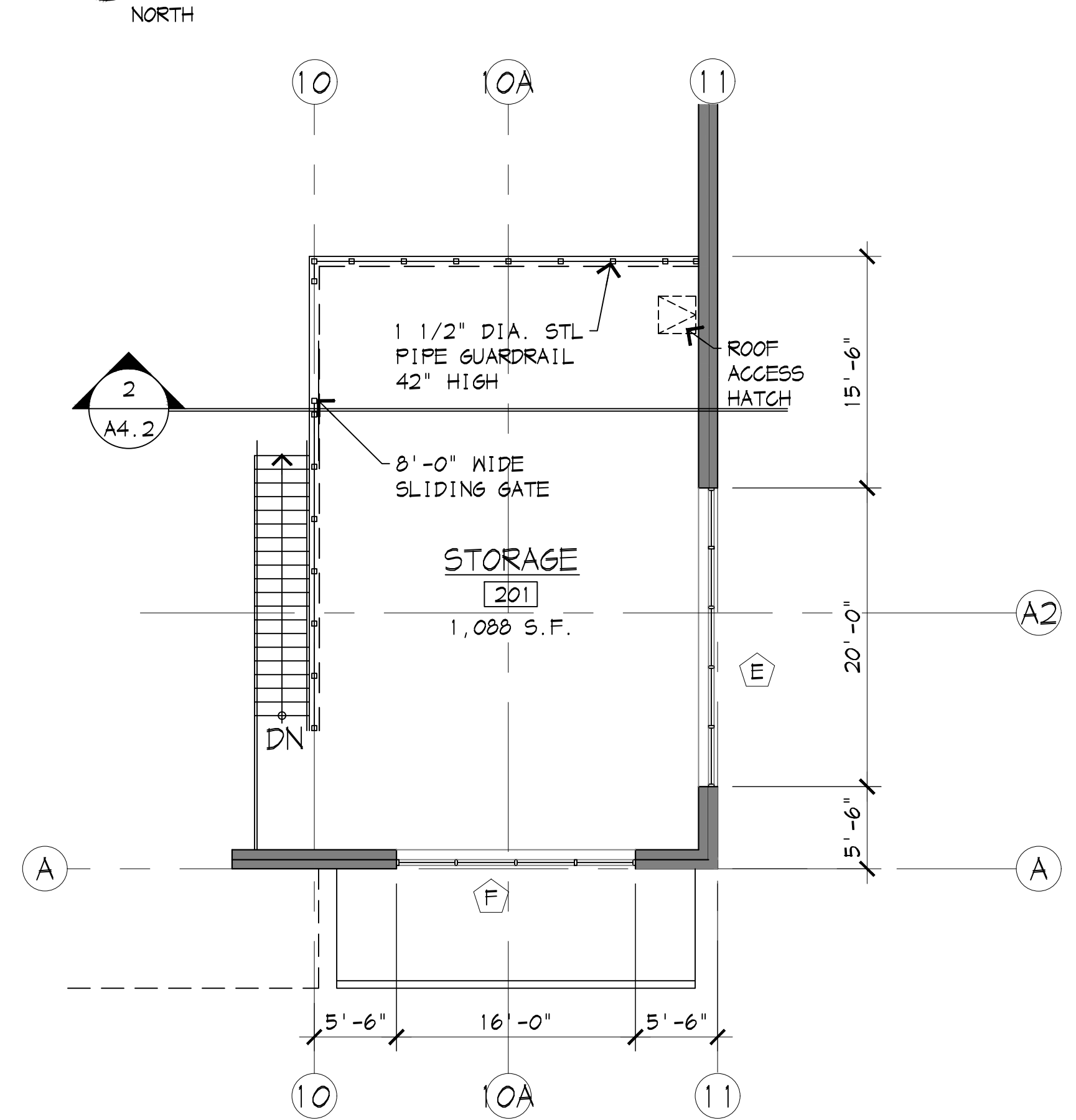
BUILDING TEST C402.5.1.2: AIR LEAKAGE RATE SHALL NOT EXCEED 0.25 CFM/FT<sup>2</sup> AT A PRESSURE DIFFERENTIAL OF 0.3 INCHES WATER GAUGE PER ASTM C779 OR EQUIVALENT METHOD APPROVED BY THE BUILDING OFFICIAL.



1 MAIN FLOOR PLAN  
1/16" = 1'-0"

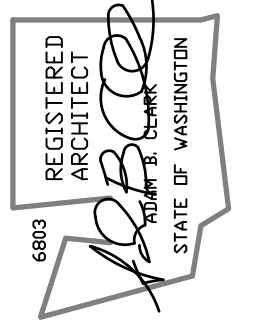


2 ENLARGED OFFICE FLOOR PLAN  
1/8" = 1'-0"

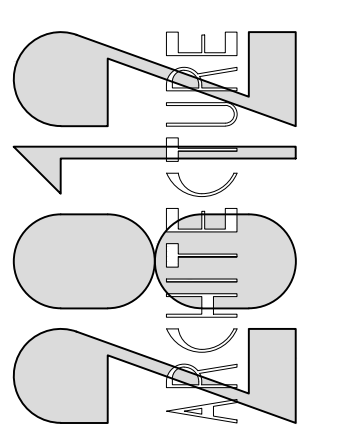


3 MEZZANINE FLOOR PLAN  
1/8" = 1'-0"

Date:	For:
16 MAR 2022	DESIGN REVIEW SUBMITTAL
16 MAY 2022	ZONING PERMIT SUBMITTAL
04 AUG 2022	ZONING PERMIT SUBMITTAL
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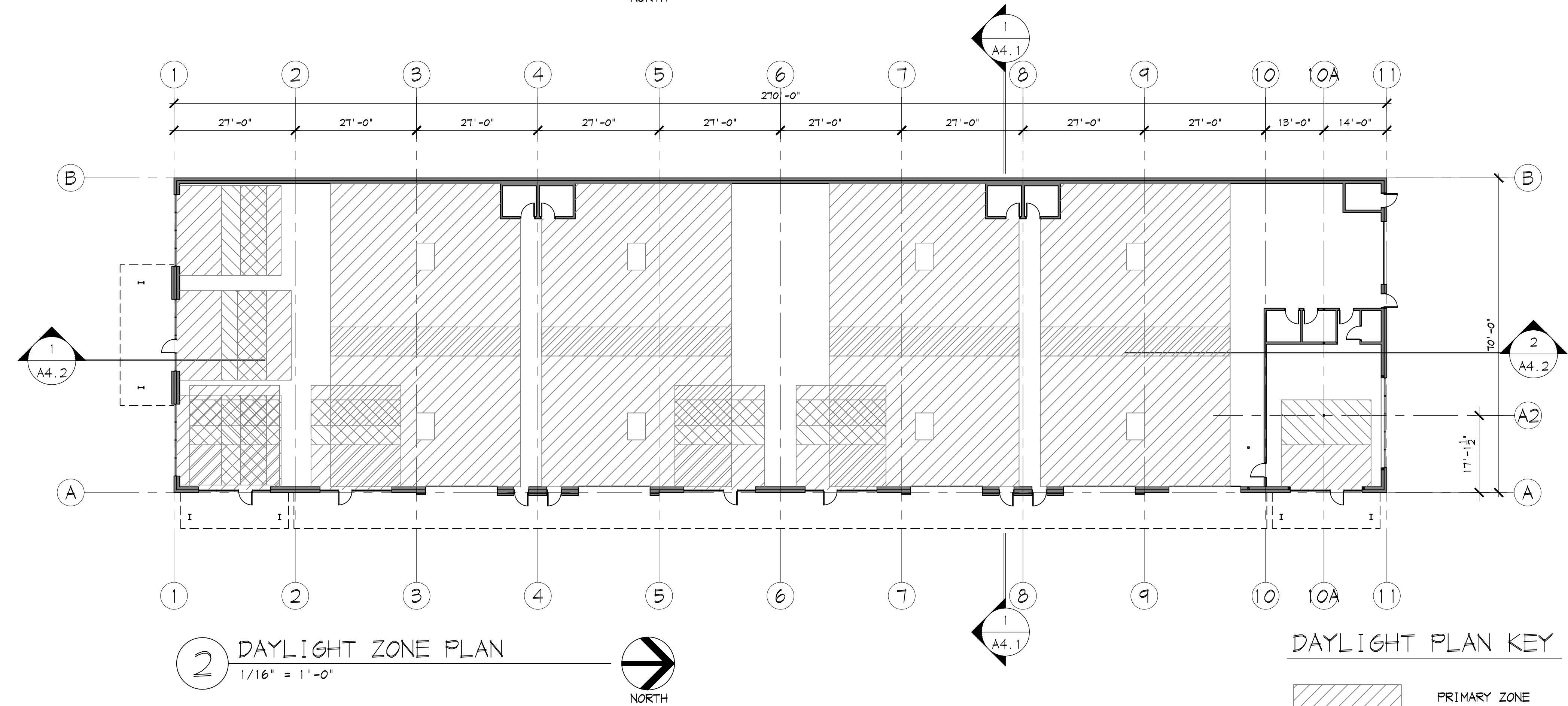
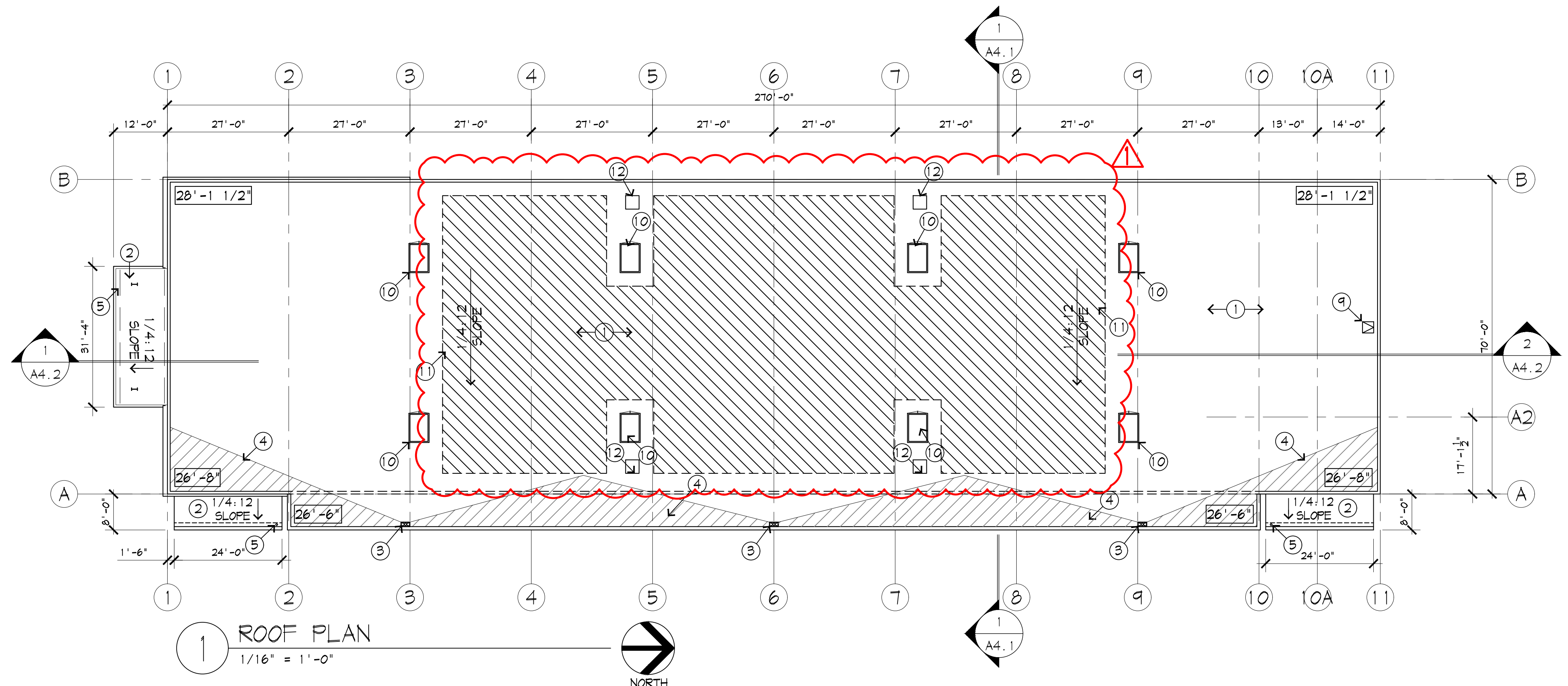
Drawing:	<b>A 2.1</b>
Job Number:	21c-4332

## ROOF PLAN NOTES

1. TPO ROOFING OVER PROTECTION BOARD, RIGID INSULATION, VAPOR BARRIER, METAL DECKING, & FRAMING PER STRUCTURAL. REFER TO SECTION NOTES.
2. METAL CANOPY. PREFINISHED ROOF DECK & CANOPY PER STRUCTURAL. REFER TO DET. 5 DWG. A5.3.
3. ROOF DRAIN & OVERFLOW ROOF DRAIN. SEE DET. 7 DWG. A5.3.
4. RIGID INSULATION CRICKET TO PROVIDE POSITIVE DRAINAGE TO ROOF DRAIN OR SCUPPER.
5. INTERNAL GUTTERS
6. PREFINISHED METAL ROOF SCUPPER. REFER TO DET. 6 DWG. A5.3.
7. MECHANICAL UNITS TO BE DESIGNED, PERMITTED & INSTALLED BY BIDDER. SEE DETS. 10 & 11 DWG. A5.3 FOR CURB AND ROOFING.
8. REFER TO DETS. 8 & 9 DWG. A5.3 FOR TUBULAR ROOF PENETRATIONS. COORDINATE W/ MECH. & PLUMBING INSTALLERS.
9. ROOF ACCESS HATCH. REFER TO DET. 17 DWG. A5.3.
10. SKYLIGHT U-VALUE 0.84
11. SOLAR ZONE - PROPOSED AREA FOR SOLAR PANELS INSTALLATION - AREA 8,473 SF
12. SOLAR PANEL INVERTER - COORDINATE WITH SOLAR PANEL PROVIDER

## WASHINGTON STATE ENERGY CODE LIGHTING CONTROL NOTES

1. OCCUPANCY SENSOR CONTROLS SHALL BE INSTALLED TO CONTROL LIGHTS IN ALL AREAS AND COMPLY WITH THE FOLLOWING:
  - a. AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
  - b. BE MANUAL ON OR MANUALLY CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50% POWER. (FULL AUTOMATIC-ON CONTROLS ARE PERMITTED IN PUBLIC CORRIDORS, STAIRWAYS, RESTROOMS, PRIMARY BUILDING ENTRANCES AND LOBBIES AND OTHER AREAS WHERE MANUAL ON OPERATION WOULD PRESENT A LIFE SAFETY OR SECURITY OF THE BUILDING OCCUPANTS OR ROOM.
  - c. SHALL INCORPORATE A MANUAL CONTROL TO ALLOW OCCUPANTS TO TURN LIGHTS OFF.
2. IN WAREHOUSE AREAS, LIGHTING IN AISLEWAYS AND OPEN AREAS SHALL BE CONTROLLED WITH OCCUPANCY SENSORS THAT AUTOMATICALLY REDUCE THE LIGHTING LEVEL TO NOT LESS THAN 50% WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE AREA. OCCUPANCY SENSORS SHALL CONTROL LIGHTING IN EACH AISLEWAY INDEPENDENTLY AND SHALL NOT CONTROL LIGHTING BEYOND THE AISLEWAY OR CORRIDOR BEING CONTROLLED BY THE SENSOR. OCCUPANT SENSORS SHALL AUTOMATICALLY TURN LIGHTING OFF WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE, OR TURN LIGHTING OFF WHEN THE BUILDING IS VACANT. OCCUPANT SENSORS SHALL RESTORE LIGHTING TO FULL POWER WHEN OCCUPANTS ENTER THE SPACE.
3. EACH AREA OF THE BUILDING NOT CONTROLLED WITH OCCUPANCY SENSORS SHALL BE PROVIDED WITH TIME SWITCH CONTROLS PER WSEC REQUIREMENTS.
4. SPACES REQUIRED TO HAVE LIGHT REDUCTION CONTROLS SHALL HAVE A MANUAL CONTROL THAT ALLOWS OCCUPANTS TO REDUCE THE CONNECTED LIGHTING LEVEL NOT LESS THAN 50% IN A UNIFORM ILLUMINATION PATTERN. NOTE: LIGHT REDUCTION CONTROLS ARE NOT REQUIRED IN DAYLIGHT ZONES WITH DAYLIGHT RESPONSIVE CONTROLS.
5. MANUAL CONTROLS SHALL BE READILY ACCESSIBLE TO OCCUPANTS AND BE LOCATED WHERE THE CONTROLLED LIGHTS ARE VISIBLE.
6. DAYLIGHT RESPONSIVE CONTROLS SHALL BE PROVIDED IN ALL DAYLIGHT ZONES.
  - a. LIGHTS IN PRIMARY AND SECONDARY DAYLIGHT ZONES SHALL BE CONTROLLED INDEPENDENTLY.
  - b. DAYLIGHT RESPONSIVE CONTROLS SHALL BE CONFIGURED TO COMPLETELY SHUT OFF ALL CONTROLLED LIGHTS IN THAT ZONE.
  - c. LIGHTS IN DAYLIGHT ZONES FACING DIFFERENT ORIENTATIONS (I.E., WITHIN 45 DEGREES OF DUE NORTH, EAST SOUTH, WEST) SHALL BE CONTROLLED INDEPENDENTLY OF EACH OTHER.
  - d. A SINGLE DAYLIGHT CONTROL ZONE SHALL NOT EXCEED 2,500 S.F.
7. DAYLIGHT RESPONSIVE CONTROLS SHALL BE CONFIGURED TO AUTOMATICALLY REDUCE THE POWER OF GENERAL LIGHTING IN THE DAYLIGHT ZONE IN RESPONSE TO AVAILABLE DAYLIGHT, WHILE MAINTAINING UNIFORM ILLUMINATION LEVELS WITHIN THE SPACE.
8. EXTERIOR LIGHTING (OTHER THAN EMERGENCY AND/OR LIFE SAFETY RELATED LIGHTING) THAT IS INTENDED TO BE AUTOMATICALLY OFF DURING DAYLIGHT HOURS SHALL BE PROVIDED WITH A CONTROL THAT AUTOMATICALLY TURNS OFF THE LIGHTING AS A FUNCTION OF AVAILABLE DAYLIGHT.
9. THE MAXIMUM LIGHTING POWER THAT MAY BE CONTROLLED FROM A SINGLE SWITCH OR AUTOMATIC CONTROL SHALL NOT EXCEED THAT WHICH IS PROVIDED BY A 20 AMP CIRCUIT LOADED TO NOT MORE THAN 80%. A MASTER CONTROL MAY BE INSTALLED PROVIDED THE INDIVIDUAL SWITCHES RETAIN THE CAPABILITY TO FUNCTION INDEPENDENTLY. CIRCUIT BREAKERS MAY NOT BE USED A SOLE MEANS OF SWITCHING.

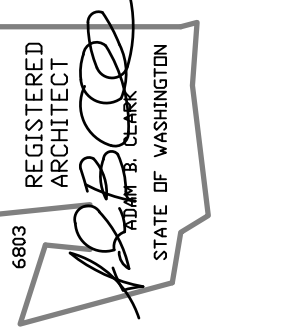


### DAYLIGHT PLAN KEY

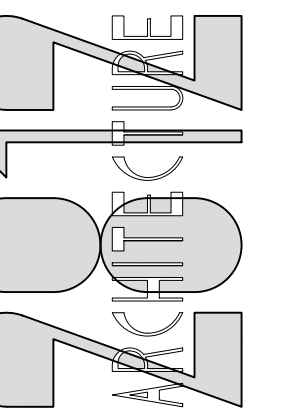
- PRIMARY ZONE
- SECONDARY ZONE

FLOOR AREA:	16,677 S.F.
PRIMARY LIT AREA:	12,657 S.F.
SECONDARY LIT AREA:	244 S.F.
PERCENTAGE OF PRIMARY LIT AREA:	76%

Date:	16 MAR 2022	DESIGN REVIEW SUBMITTAL
For:	16 MAY 2022	ZONING PERMIT SUBMITTAL
	09 AUG 2022	ZONING PERMIT RESUBMITTAL
	22 FEB 2023	BUILDING PERMIT SUBMITTAL
	07 MAR 2023	BUILDING PERMIT RESUBMITTAL



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**KING INDUSTRIAL**  
6221 180th St NE  
Arlington, Washington

Drawing:  
**A 2.2**  
Job Number:  
21c-4332

### ELEVATION NOTES

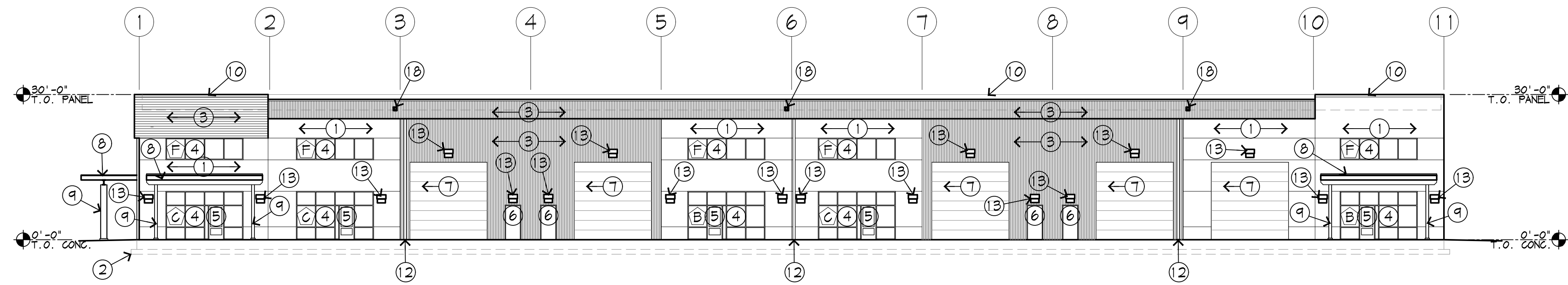
1. PRECAST CONCRETE WALL PANELS: COLOR C-1
2. OUTLINE OF FOUNDATION.
3. METAL WALL PANELS: COLOR C-2
4. STOREFRONT FRAMING W/ 1" INSULATED GLASS. SEE WINDOW SCHEDULE DWG. A5.1.
5. STOREFRONT ENTRY DOOR. COLOR TO MATCH STOREFRONT FRAMING. SEE DOOR SCHEDULE DWG. A5.1.
6. HOLLOW METAL DOOR & FRAME PAINT COLOR C-1. SEE DOOR SCHEDULE DWG. A5.1.
7. SECTIONAL OVERHEAD DOOR. PAINT COLOR C-1. SEE DOOR SCHEDULE DWG. A5.1.
8. METAL CANOPY ROOF: PAINT COLOR C-3.
9. STEEL COLUMN PER STRUCT. PAINT COLOR C-4.
10. PREFINISHED METAL PARAPET CAP. COLOR TO MATCH ADJACENT ROOF.
11. PREFINISHED METAL GUTTER. COLOR TO MATCH ADJACENT ROOF.
12. DOWNSPOUT. PREFIN. 4" DIA. MTL DOWNSPOUT. CONNECT TO FOOTING DRAIN OR RAIN LEADERS BELOW GRADE PER CIVIL.
13. LIGHT FIXTURE. COORD. W/ ELECTRICAL.
14. EMERGENCY AND MEANS OF EGRESS LIGHT FIXTURE. FIXTURE SHALL BE CONTROLLED BY LIGHT SENSOR SO THAT IT IS LIGHTED AT ALL NON-DAYLIGHT HOURS. PROVIDE AN EMERGENCY POWER SUPPLY WITH A MINIMUM DURATION OF 90 MINUTES FOR THIS FIXTURE.
15. FIRE DEPARTMENT KEY BOX WITH BUILDING ACCESS KEYS. CONTACT FIRE DISTRICT #1 AT (425)551-1212 TO OBTAIN.
16. 18" HIGH ADDRESS LETTERS. FONT: ARIAL. COLOR TO CONTRAST WITH BACKGROUND COLOR. VERIFY ADDRESS WITH COUNTY PRIOR TO FABRICATION.
17. MTL TRELLIS.
18. SCUPPERS.
19. STEEL BEAM PER STRUCT. PAINT COLOR C-4

### EXTERIOR COLORS

- C1 PAINT
- C2 METAL BLDG. MFR. STANDARD COLOR
- C3 METAL BLDG. MFR. STANDARD COLOR
- C4 PAINT

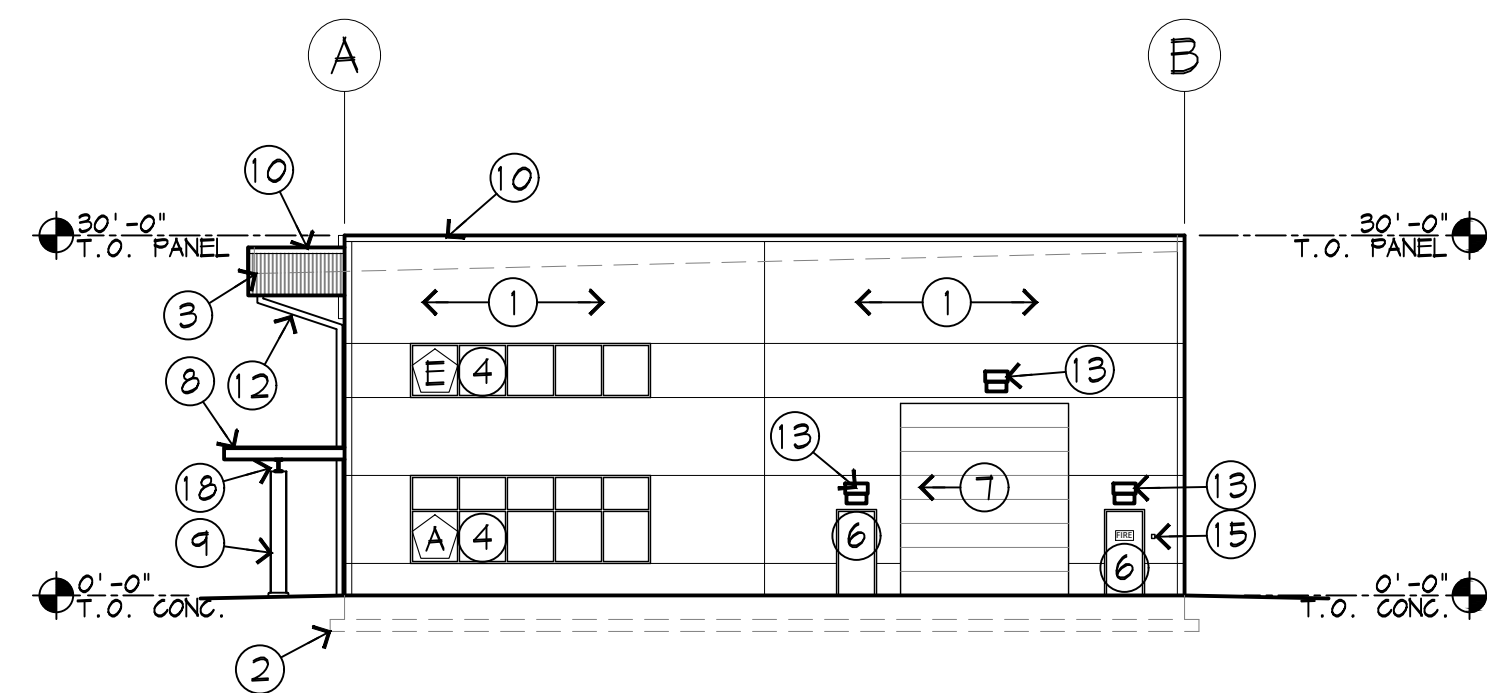
### ELEVATION LEGEND

- (X) ELEVATION NOTES
- (X) WINDOW PER SCHEDULE ON DWG. A5.1



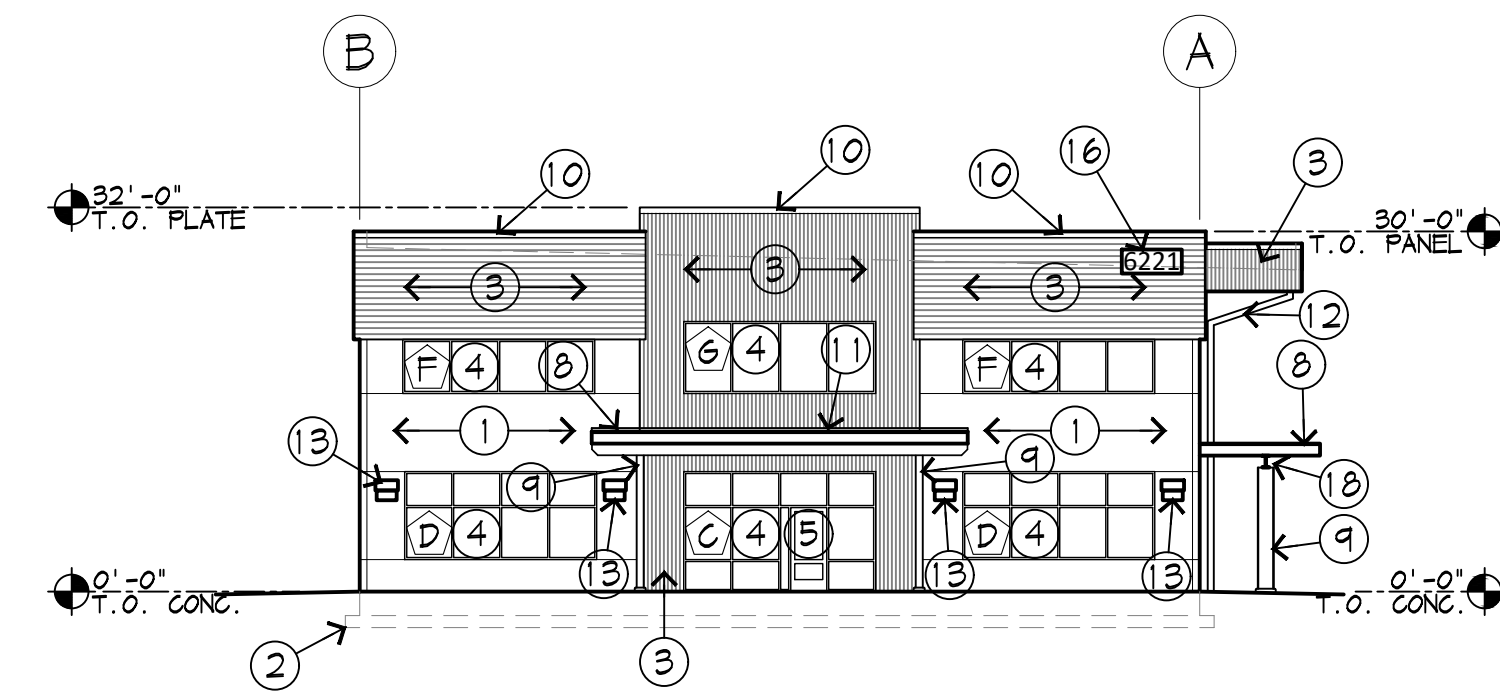
EAST ELEVATION

1/16" = 1'-0"



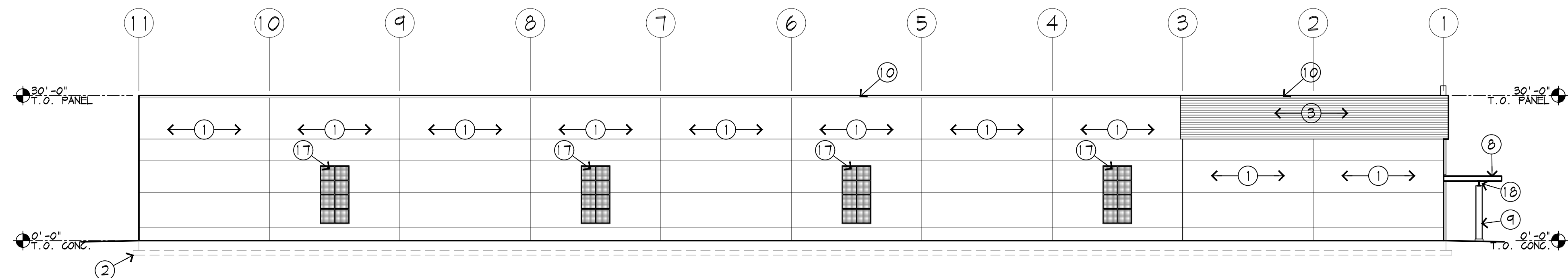
NORTH ELEVATION

1/16" = 1'-0"



SOUTH ELEVATION

1/16" = 1'-0"



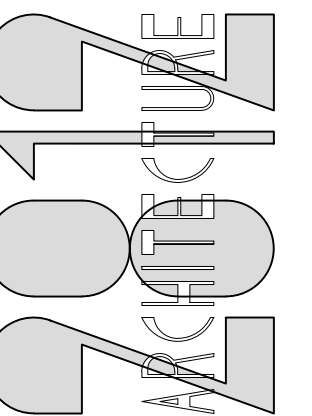
WEST ELEVATION

1/16" = 1'-0"

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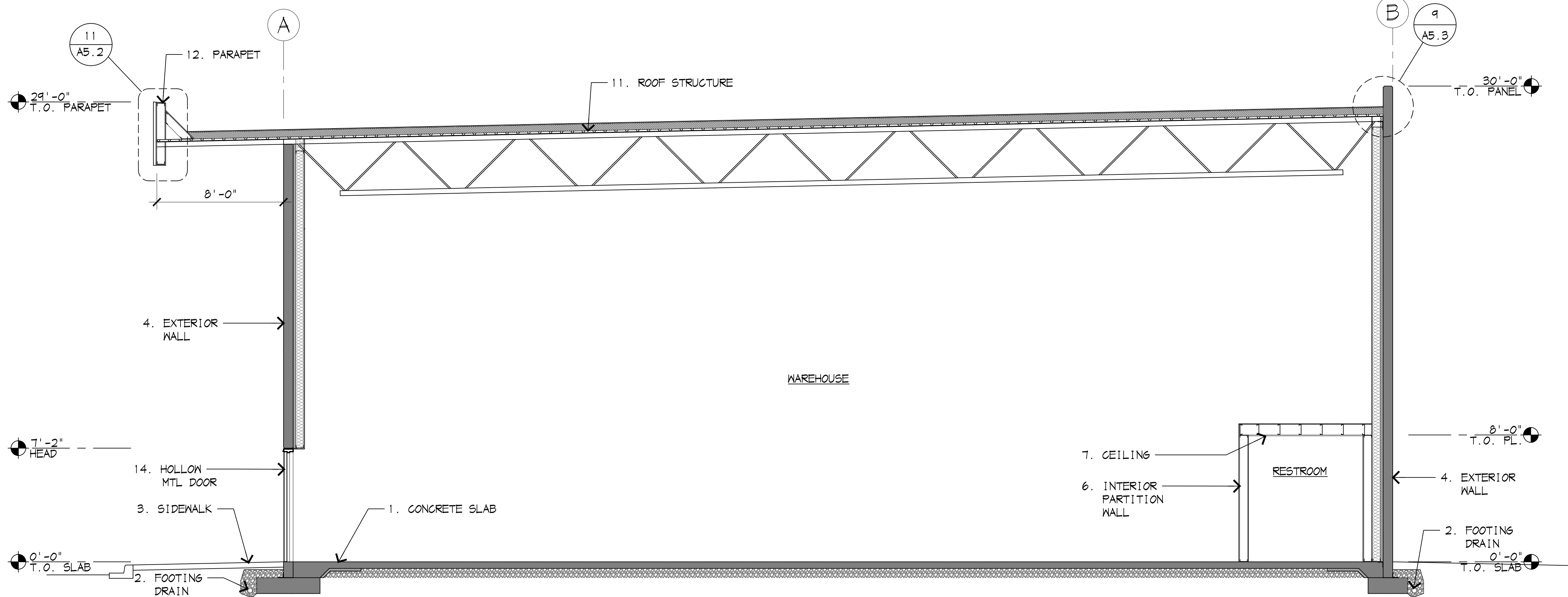
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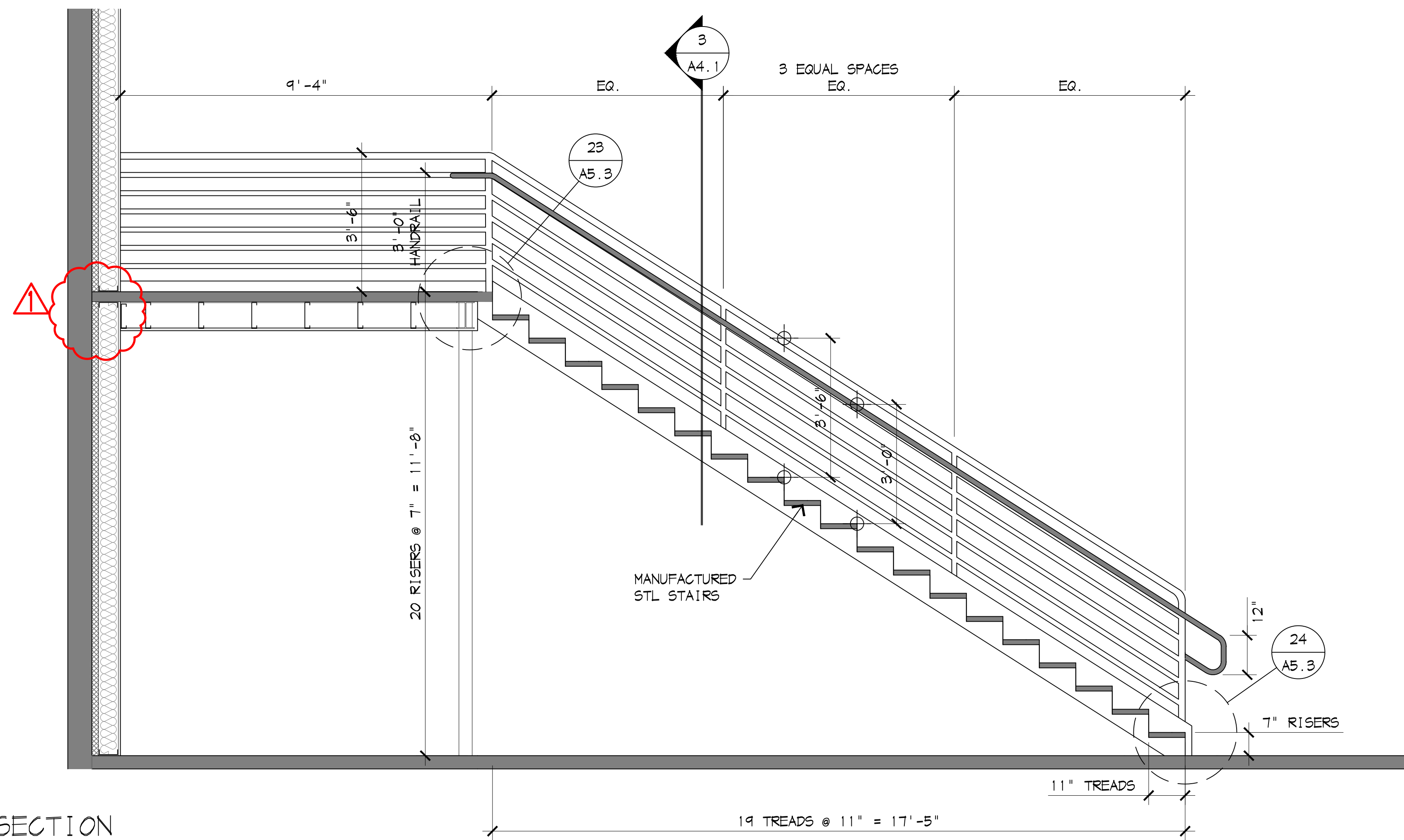
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Drawing:  
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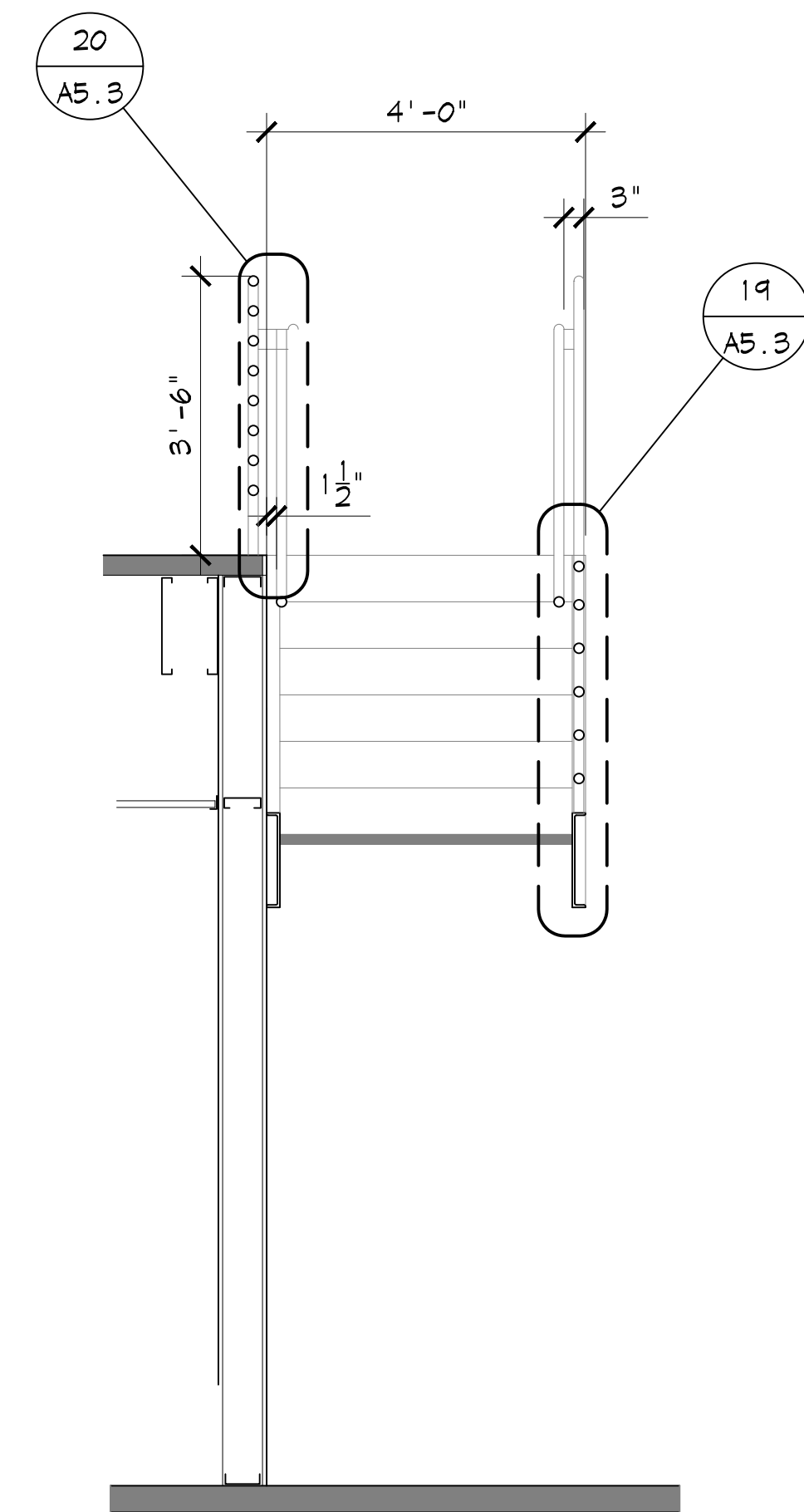
CONTENTS  
EXTERIOR ELEVATIONS



1 BUILDING SECTION  
1/4" = 1'-0"



2 STAIR SECTION  
1/2" = 1'-0"



3 STAIR SECTION  
1/2" = 1'-0"

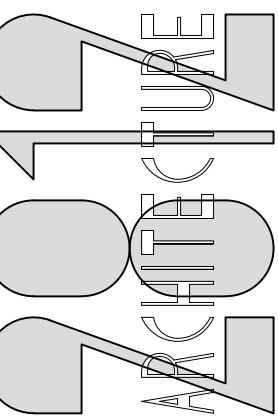
SECTION NOTES

1. CONCRETE SLAB: CONCRETE SLAB AND REINFORCING PER STRUCTURAL ON 6 MIL. VAPOR BARRIER OVER 4" GRAVEL BASE. PROVIDE R-10 RIGID INSULATION FOR MIN. 2'-0" AROUND THE ENTIRE PERIMETER OF THE SLAB.
2. FOOTING DRAIN: 4" MINIMUM DIA. PERFORATED PVC PIPE SURROUNDED WITH FREE DRAINING GRAVEL BACKFILL WRAPPED IN FILTER FABRIC. ROUTE DRAINS TO NEAREST CATCH BASIN.
3. SIDEWALK: 4" CONCRETE SLAB ON 2" THICK COURSE SAND BED. LIGHT BROOM FINISH. REFER TO DETAIL 3 ON A1.2.
4. EXTERIOR WALL: FULL HEIGHT PRECAST CONCRETE PANELS, THICKNESS PER STRUCTURAL ENGINEER. W/ 2" CONT. RIGID INSULATION (R-10) AT INTERIOR. FURR OUT INTERIOR OF PANELS WITH 6" MTL STUDS AT 16" O.C., R-21 BATT INSULATION IN CAVITIES AND WITH VAPOR BARRIER UNDER 5/8" G.M.B. AT INTERIOR.
5. MEZZANINE FLOOR SYSTEM: CONCRETE TOPPING SLAB ON DECK AND FRAMING PER STRUCTURAL ENGINEER. PROVIDE R-30 BATT INSULATION IN JOIST CAVITIES WITH 4 MIL VAPOR BARRIER ATTACHED TO LOWER SIDE OF JOISTS BELOW STORAGE 201. 2X4 A.C.T. AT 8'-6" A.F.F.
6. INTERIOR PARTITION WALL: FRAMING AND GMB PER FLOOR PLAN DRAWINGS.
7. CEILING: 8" MTL JOISTS AT 16" O.C. WITH INSULATION IN CAVITIES AND 5/8" G.M.B. AT UNDERSIDE OF FRAMING. 7/16" PLY. MD. AS DUST COVER ON TOP.
8. STOREFRONT: STOREFRONT FRAMING WITH 1" INSULATED GLASS OR 1" INSULATED SAFETY GLASS. REFER TO EXTERIOR ELEVATIONS.
9. GUARDRAIL: 3'-6" HIGH STL GUARDRAIL PER DET. 19 ON A5.3.
10. CANOPY ROOF: METAL ROOFING ON FRAMING PER STRUCTURAL. PROVIDE INTEGRAL GUTTER AT ROOFING EDGE.
11. ROOF STRUCTURE: TPO ROOFING MEMBRANE ON COVER BOARD OVER R-30 RIGID INSULATION W/ VAPOR BARRIER OVER MTL DECKING ON STL OPEN WEB TRUSSES PER STRUCTURAL. EXTEND TOP CHORDS OF TRUSSES OVER WALL PANELS TO SUPPORT ROOF PARAPET PER SECTION. ALL MATERIALS TO MEET MINIMUM CLASS B REQUIREMENTS.
12. PARAPET: MTL SIDING PANELS OVER WEATHER BARRIER ON GYP SHEATHING ON MTL FRAMING. COVER INTERIOR SIDE OF FRAMING WITH GYP SHEATHING AND TPO ROOFING SYSTEM. EXTEND TPO MEMBRANE OVER FRAMING UNDER PARAPET CAP.
13. DOWNSPOUT: PREFIN. 4" DIA. MTL DOWNSPOUT. CONNECT TO FOOTING DRAIN OR RAIN LEADERS BELOW GRADE PER CIVIL.
14. HOLLOW MTL DOOR:
15. FIRE BLOCKING: PROVIDE FIRE BLOCKING IN WALLS AND FURRING PER IBC 710.2

Date:	16 MAR 2022	DESIGN REVIEW SUBMITTAL
For:	16 MAY 2022	ZONING PERMIT SUBMITTAL
	09 AUG 2022	ZONING PERMIT SUBMITTAL
	22 FEB 2023	BUILDING PERMIT SUBMITTAL
	07 MAR 2023	BUILDING PERMIT RESUBMITTAL



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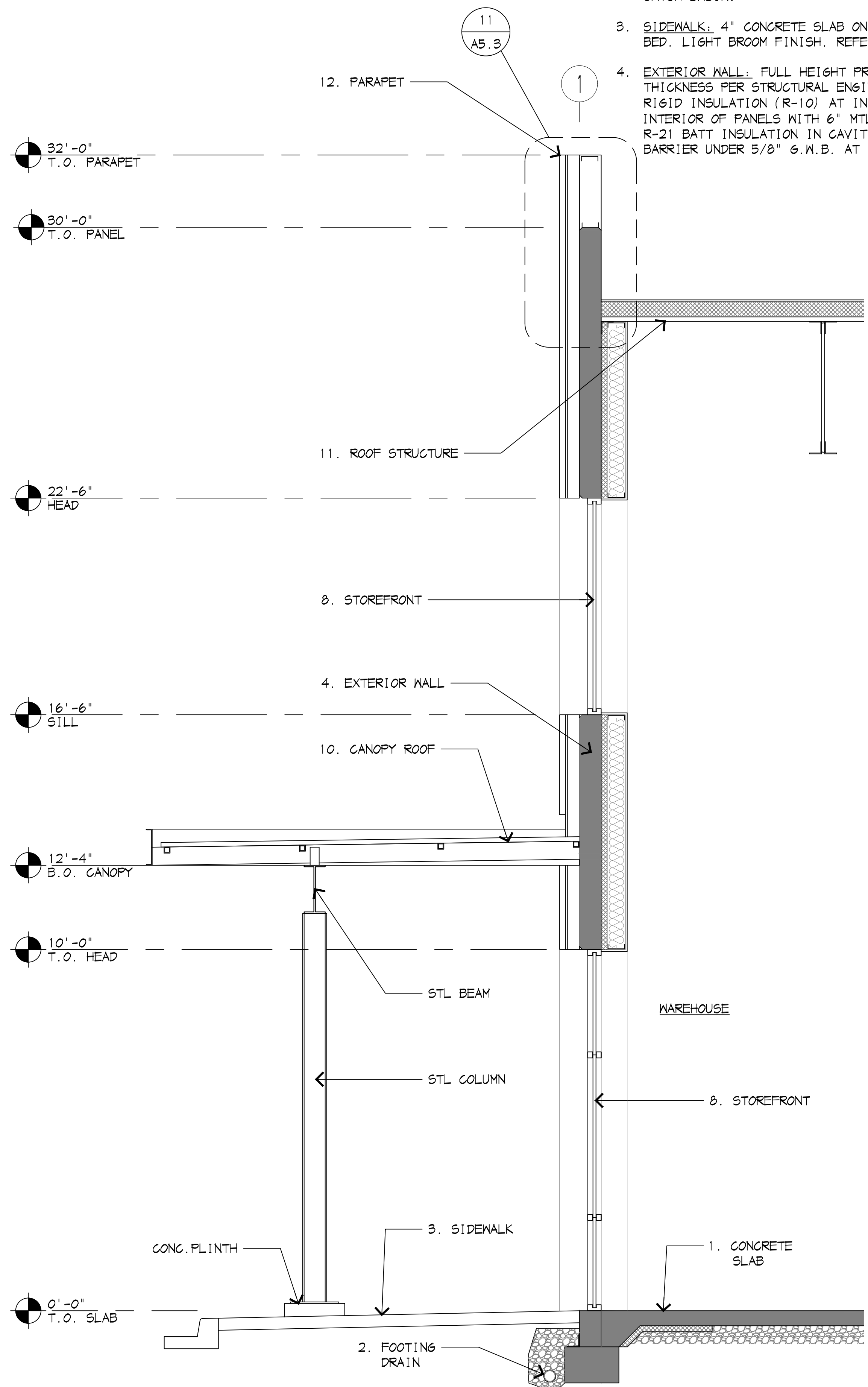


New Buildings for:  
**KING INDUSTRIAL**  
6221 180th St NE  
Arlington, Washington  
Contents:  
BUILDING SECTION AND STAIR SECTIONS

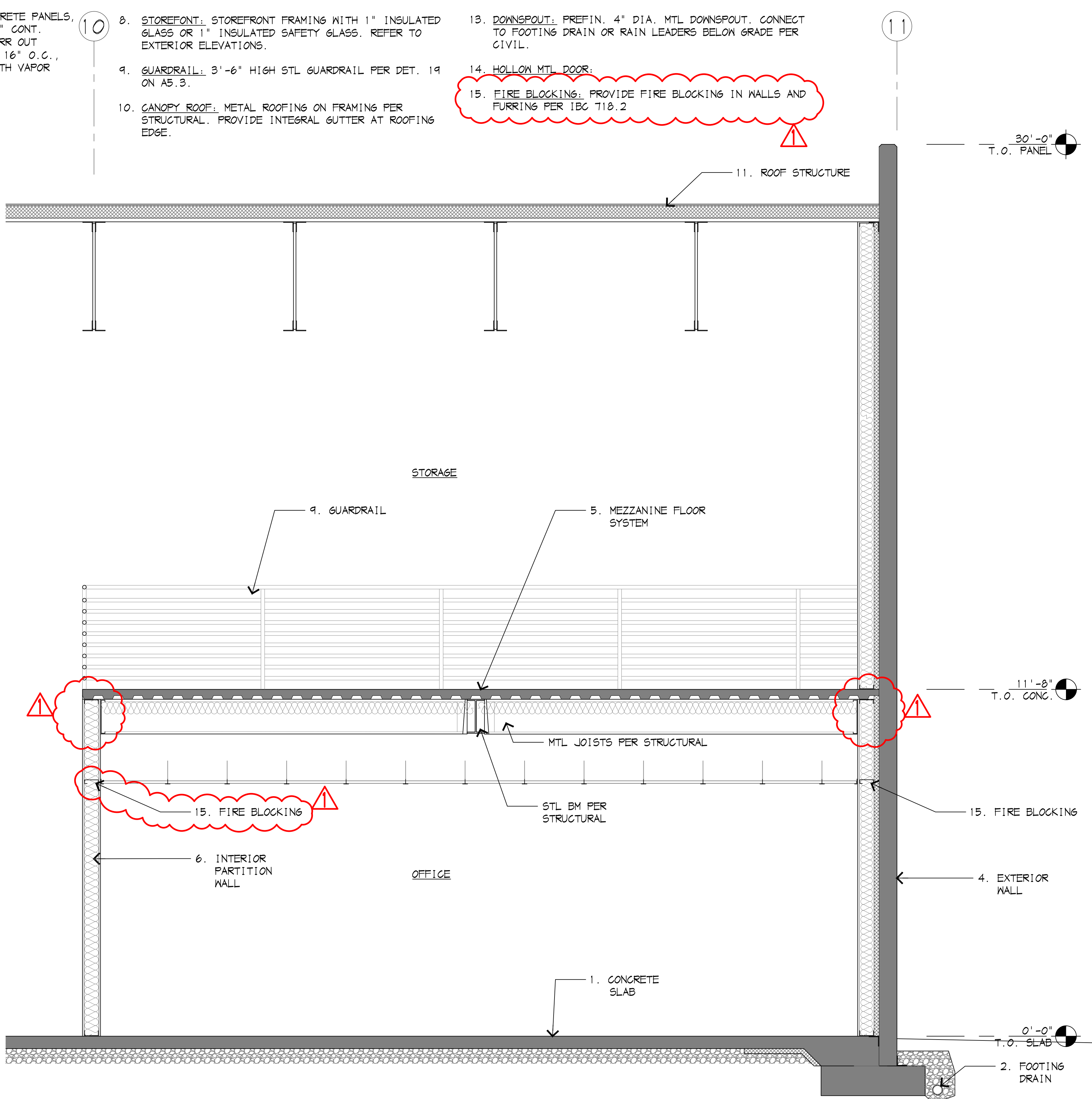
Drawing:	<b>A 4.1</b>
Job Number:	21c-4332

SECTION NOTES

1. CONCRETE SLAB: CONCRETE SLAB AND REINFORCING PER STRUCTURAL ON 6 MIL. VAPOR BARRIER OVER 4" GRAVEL BASE. PROVIDE R-10 RIGID INSULATION FOR MIN. 2'-0" AROUND THE ENTIRE PERIMETER OF THE SLAB.
2. FOOTING DRAIN: 4" MINIMUM DIA. PERFORATED PVC PIPE SURROUNDED WITH FREE DRAINING GRAVEL BACKFILL WRAPPED IN FILTER FABRIC. ROUTE DRAINS TO NEAREST CATCH BASIN.
3. SIDEWALK: 4" CONCRETE SLAB ON 2" THICK COURSE SAND BED. LIGHT BROOM FINISH. REFER TO DETAIL 3 ON A1.2.
4. EXTERIOR WALL: FULL HEIGHT PRECAST CONCRETE PANELS, THICKNESS PER STRUCTURAL ENGINEER. W/ 2" CONT. RIGID INSULATION (R-10) AT INTERIOR. FURR OUT INTERIOR OF PANELS WITH 6" MTL STUDS AT 16" O.C., R-21 BATT INSULATION IN CAVITIES AND WITH VAPOR BARRIER UNDER 5/8" G.W.B. AT INTERIOR.
5. MEZZANINE FLOOR SYSTEM: CONCRETE TOPPING SLAB ON DECK AND FRAMING PER STRUCTURAL ENGINEER. PROVIDE R-30 BATT INSULATION IN JOIST CAVITIES WITH 4 MIL VAPOR BARRIER ATTACHED TO LOWER SIDE OF JOISTS BELOW STORAGE 201. 2X4 A.C.T. AT 8'-6" A.F.F.
6. INTERIOR PARTITION WALL: FRAMING AND GNB PER FLOOR PLAN DRAWINGS.
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8. STOREFRONT: STOREFRONT FRAMING WITH 1" INSULATED GLASS OR 1" INSULATED SAFETY GLASS. REFER TO EXTERIOR ELEVATIONS.
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10. CANOPY ROOF: METAL ROOFING ON FRAMING PER STRUCTURAL. PROVIDE INTEGRAL GUTTER AT ROOFING EDGE.
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12. PARAPET: MTL. SIDING PANELS OVER WEATHER BARRIER ON GYP SHEATHING ON MTL FRAMING. COVER INTERIOR SIDE OF FRAMING WITH GYP SHEATHING AND TPO ROOFING SYSTEM. EXTEND TPO MEMBRANE OVER FRAMING UNDER PARAPET CAP.
13. DOWNSPOUT: PREFIN. 4" DIA. MTL DOWNSPOUT. CONNECT TO FOOTING DRAIN OR RAIN LEADERS BELOW GRADE PER CIVIL.
14. HOLLOW MTL DOOR.
15. FIRE BLOCKING: PROVIDE FIRE BLOCKING IN WALLS AND FURRING PER IBC 710.2



1 WALL SECTION  
1/2" = 1'-0"

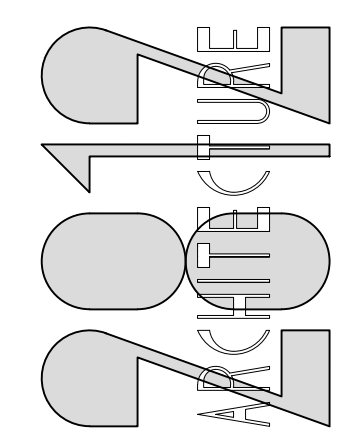


2 WALL SECTION  
1/2" = 1'-0"

Date:	For:
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16 MAY 2023	ZONING PERMIT SUBMITTAL
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New Buildings for:  
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6221 180th St NE  
Arlington, Washington  
WALL SECTION

Drawing:  
**A 4.2**  
Job Number:  
21c-4332



DOOR SCHEDULE						
DOOR #	DOOR SIZE (W X H)	DOOR TYPE	JAMB TYPE	H.W. GROUP	FIRE RATING	NOTES ① ② ③
101A	14'-0" X 16'-0"	D	-	6		NOTE 4
101B	3'-0" X 7'-0"	B	11	2		NOTE 6
101C	16'-0" X 16'-0"	D	-	6		
101D	16'-0" X 16'-0"	D	-	6		
101E	3'-0" X 7'-0"	A	1	1		
101F	3'-0" X 7'-0"	A	1	1		
101G	16'-0" X 16'-0"	D	-	6		
101H	3'-0" X 7'-0"	A	1	1		
101I	3'-0" X 7'-0"	A	1	1		
101J	3'-0" X 7'-0"	A	1	1		
101K	16'-0" X 16'-0"	D	-	6		
101L	3'-0" X 7'-0"	B	11	2		
101M	3'-0" X 7'-0"	B	11	2		
101N	16'-0" X 16'-0"	D	-	6		
101P	3'-0" X 7'-0"	A	1	1		
101Q	3'-0" X 7'-0"	A	1	1		
101R	3'-0" X 7'-0"	A	1	1		
102A	3'-0" X 7'-0"	A	1	1		
102B	3'-0" X 7'-0"	B	111	7		
102C	3'-0" X 7'-0"	B	111	7		
103A	3'-0" X 7'-0"	C	111	5		
104A	3'-0" X 7'-0"	B	111	3		
105A	3'-0" X 7'-0"	B	111	3		
106A	3'-0" X 7'-0"	B	11	2		
107A	3'-0" X 7'-0"	B	111	3		
108A	3'-0" X 7'-0"	B	111	3		
109A	3'-0" X 7'-0"	B	111	3		
110A	3'-0" X 7'-0"	B	111	3		

### HARDWARE GROUPS

- PIVOTS AS REQUIRED
  - 1 LOCKSET
  - 1 PUSH BAR
  - 1 CLOSER (SIZE TO SUIT DOOR)
  - 1 PULL
  - THRESHOLD (FULL WIDTH OF DOOR)
  - WEATHERSTRIPPING
- 1 1/2 PAIR BUTTS
  - 1 LOCKSET
  - 1 CLOSER (SIZE TO SUIT DOOR)
  - 1 KICKPLATE (PUSH SIDE OF DOOR)
  - WEATHERSTRIPPING
  - RAINDRIP (FULL WIDTH OF FRAME)
  - THRESHOLD (FULL WIDTH OF FRAME)
- 1 1/2 PAIR BUTTS
  - 1 PASSAGE SET
  - 1 OCCUPANCY INDICATOR BOLT
  - WEATHERSTRIPPING
- 1 1/2 PAIR BUTTS
  - 1 PASSAGE SET
- HARDWARE FURNISHED WITH DOORS
- 1 1/2 PAIR BUTTS
  - 1 LOCKSET
  - 1 CLOSER (SIZE TO SUIT DOOR)
  - WEATHERSTRIPPING
  - THRESHOLD (FULL WIDTH OF FRAME)

FINISH SCHEDULE											
ROOM #	ROOM NAME	FLOOR	BASE	WALLS				MANSICOT	CEILING	CEILING HEIGHT	NOTES ① ② TYP.
				NORTH	EAST	SOUTH	WEST				
101	INDUST/WAREHOUSE	F-4	B-1	W-1	W-1	W-1	W-1	-	C-3	VARIES	
102	OFFICE	F-1	B-1	W-1	W-1	W-1	W-1	-	C-1	8'-6"	NOTE 3
103	JANITORIAL	F-3	B-1	W-1	W-1	W-1	W-1	-	C-1	8'-0"	NOTE 3
104	WOMEN	F-3	B-2	W-2	W-2	W-2	W-2	WC-1	C-2	8'-0"	NOTE 4
105	MEN	F-3	B-2	W-2	W-2	W-2	W-2	WC-1	C-2	8'-0"	NOTE 4
106	FIRE SPRINKLER	F-4	B-1	W-1	W-1	W-1	W-1	-	C-4	8'-0"	
107	RESTROOM	F-3	B-2	W-2	W-2	W-2	W-2	WC-1	C-2	8'-0"	NOTE 4
108	RESTROOM	F-3	B-2	W-2	W-2	W-2	W-2	WC-1	C-2	8'-0"	NOTE 4
109	RESTROOM	F-3	B-2	W-2	W-2	W-2	W-2	WC-1	C-2	8'-0"	NOTE 4
110	RESTROOM	F-3	B-2	W-2	W-2	W-2	W-2	WC-1	C-2	8'-0"	NOTE 4
201	STORAGE	F-4	-	-	W-1	W-1	-	-	C-3	VARIES	

### FINISH MATERIALS

- FLOOR MATERIALS**
- F-1 CARPET TILE
  - F-2 VINYL COMPOSITE TILE
  - F-3 SHEET VINYL
  - F-4 SEALED CONCRETE
  - F-5 PLYWOOD
- BASE MATERIALS**
- B-1 4" VINYL BASE
  - B-2 COVE FLOORING 6" UP WALL

- WALL FINISHES**
- W-1 EGGSHELL ENAMEL
  - W-2 SEMI-GLOSS ENAMEL
- CEILING**
- C-1 ACOUSTIC CEILING TILE
  - C-2 SEMI-GLOSS ENAMEL
  - C-3 EXPOSED FRAMING
  - C-4 EGGSHELL ENAMEL

- MANSICOT**
- MC-1 4'-0" PLASTIC LAMINATE
  - ALUM. EDGE TRIM @ ALL EXPOSED EDGES

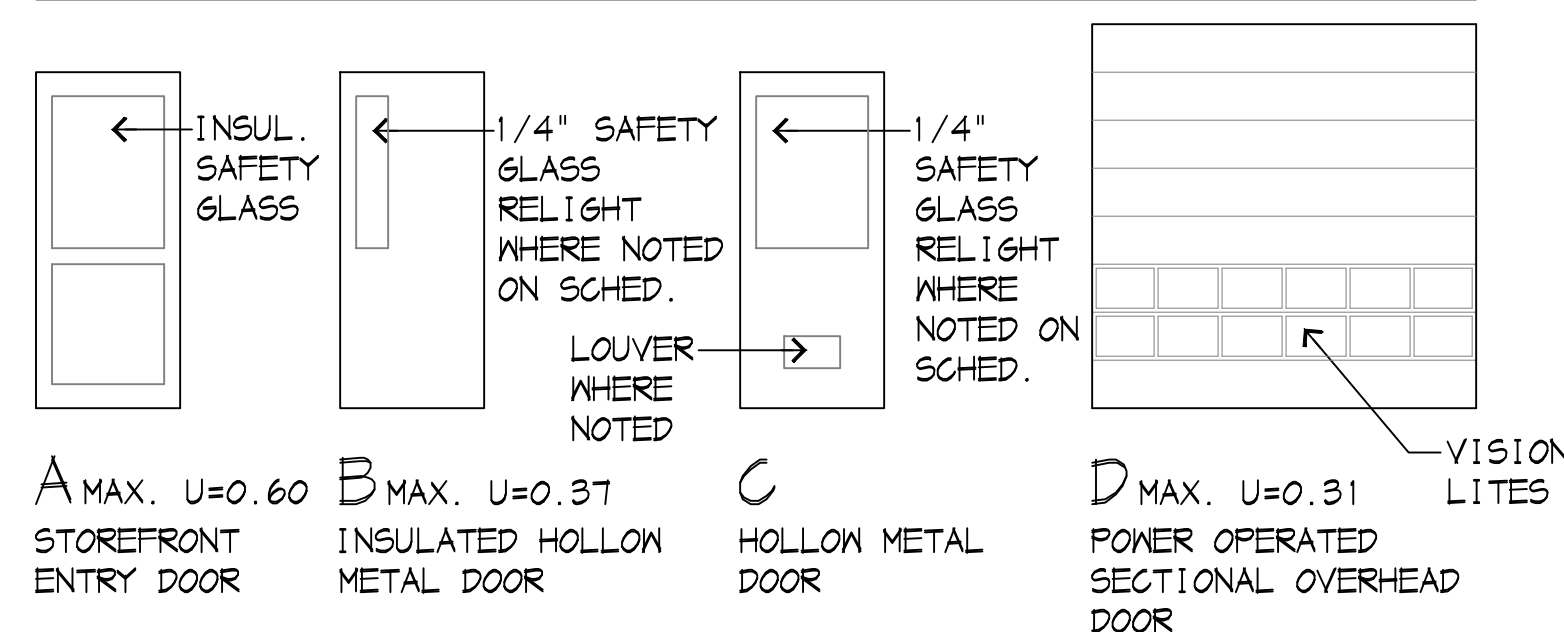
### FINISH NOTES

- ALL WOOD DOORS AND FRAMES TO BE STAINED. ALL METAL DOORS AND FRAMES TO BE PAINTED.
- PAINT ALL GNB & EXPOSED STEEL, INCLUDING HANDRAILS, GUARDRAILS, & EXPOSED STAIR STRUCTURE WHERE APPLICABLE.
- SEE DET. 1 DWG. A5.1 FOR SUSPENDED ACOUSTICAL CEILING SEISMIC BRACING.
- USE WATER RESISTANT GNB AT ALL WALLS WITHIN THIS SPACE.

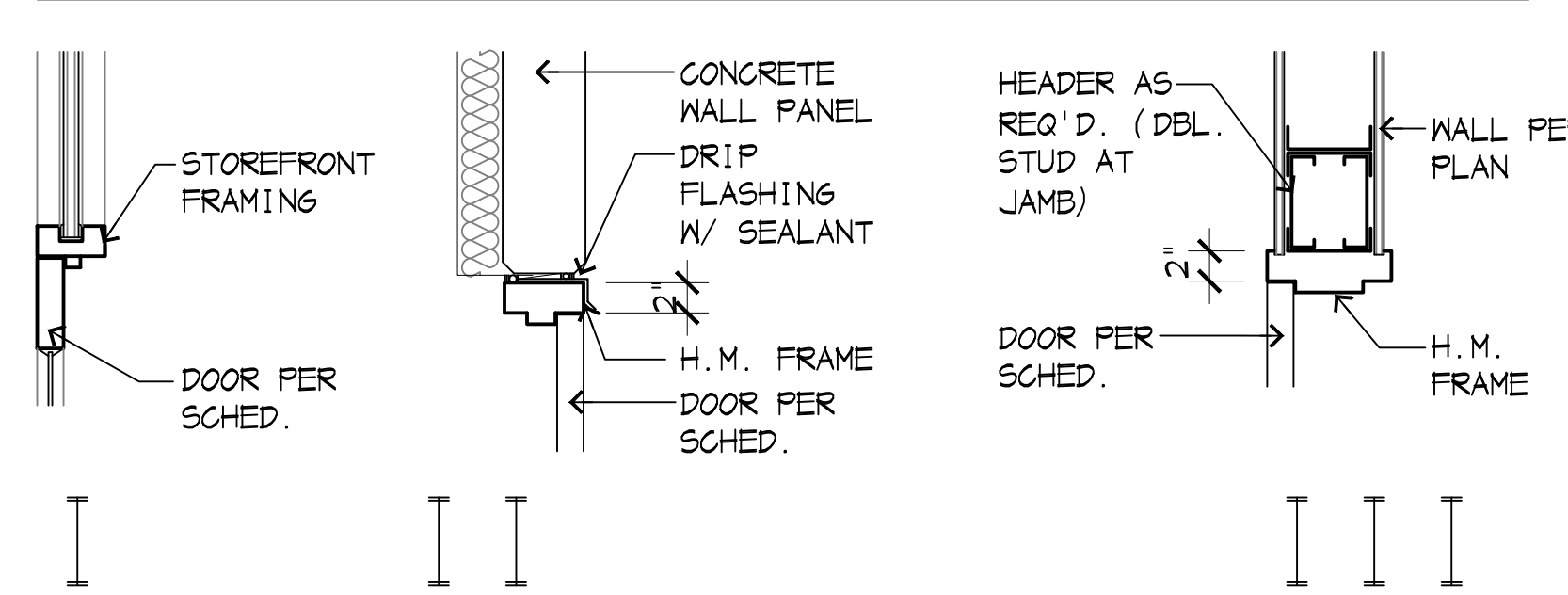
### DOOR NOTES

- ALL HARDWARE FINISHES TO BE US26D.
- FURNISH DOOR STOPS AS REQUIRED AT ALL DOORS.
- PROVIDE LEVER HANDLES ON ALL LOCKSETS AND LATCHSETS.
- ADA EXIT SIGNAGE WITH TACTILE LETTERS AND BRAILLE MOUNTED ON LATCH SIDE OF SINGLE DOOR OR RIGHT OF R.H. DOOR AT ACTIVE DOUBLE DOORS. WHERE THERE IS NO WALL SPACE ON LATCH SIDE OF SINGLE DOOR OR RIGHT SIDE OF DOUBLE DOORS, SIGN SHALL BE ON THE NEAREST ADJACENT WALL. EXCEPTION: DOOR MOUNTED SIGN PERMITTED ON PUSH SIDE OF DOOR W/ CLOSER WITHOUT HOLD OPEN DEVICE. RE: FIXTURE HEIGHT SCHEDULE ON DWG. A5.1.
- ADA RESTROOM SIGNAGE MOUNTED ON LATCH SIDE OF DOOR. WHERE THERE IS NO WALL SPACE ON LATCH SIDE OF DOOR, SIGN SHALL BE ON THE NEAREST ADJACENT WALL. EXCEPTION: DOOR MOUNTED SIGN PERMITTED ON PUSH SIDE OF DOOR W/ CLOSER WITHOUT HOLD OPEN DEVICE. RE: FIXTURE HEIGHT SCHEDULE ON DWG. A5.1.
- PROVIDE SIGN ON EXTERIOR SIDE OF DOOR WITH THE WORDS 'FIRE SPRINKLER RISER INSIDE'. THE SIGN SHALL HAVE 1" MIN HIGH WHITE LETTERS ON RED BACKGROUND.

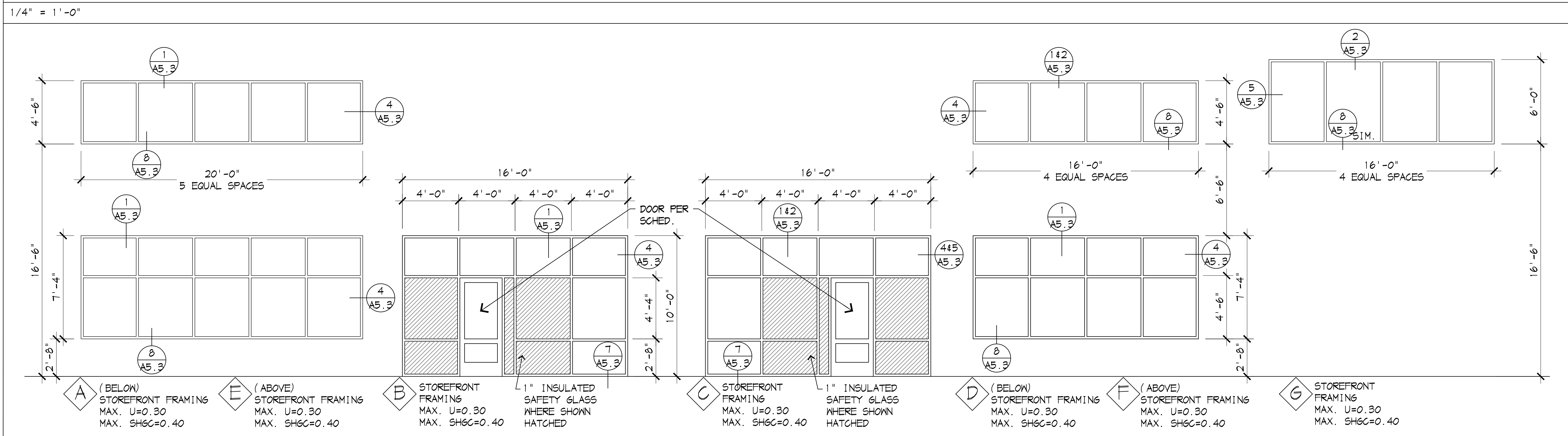
### DOOR TYPES



### JAMB TYPES



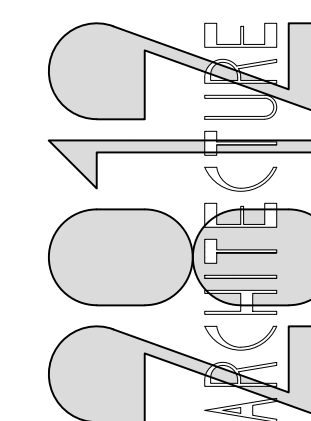
### WINDOW TYPES



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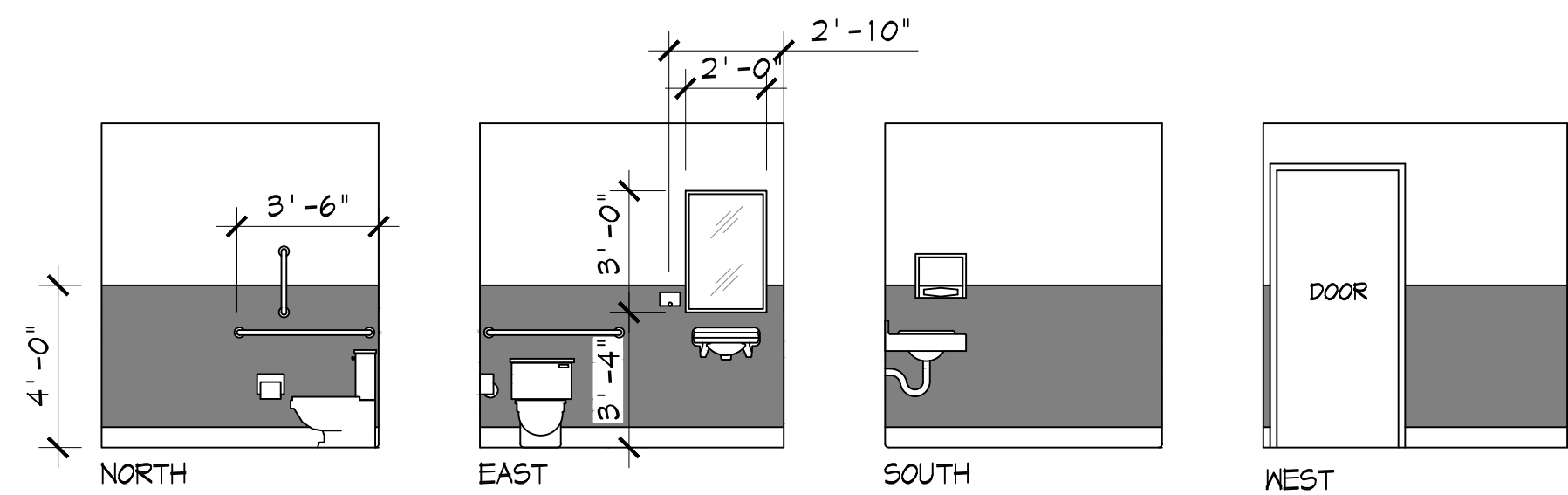


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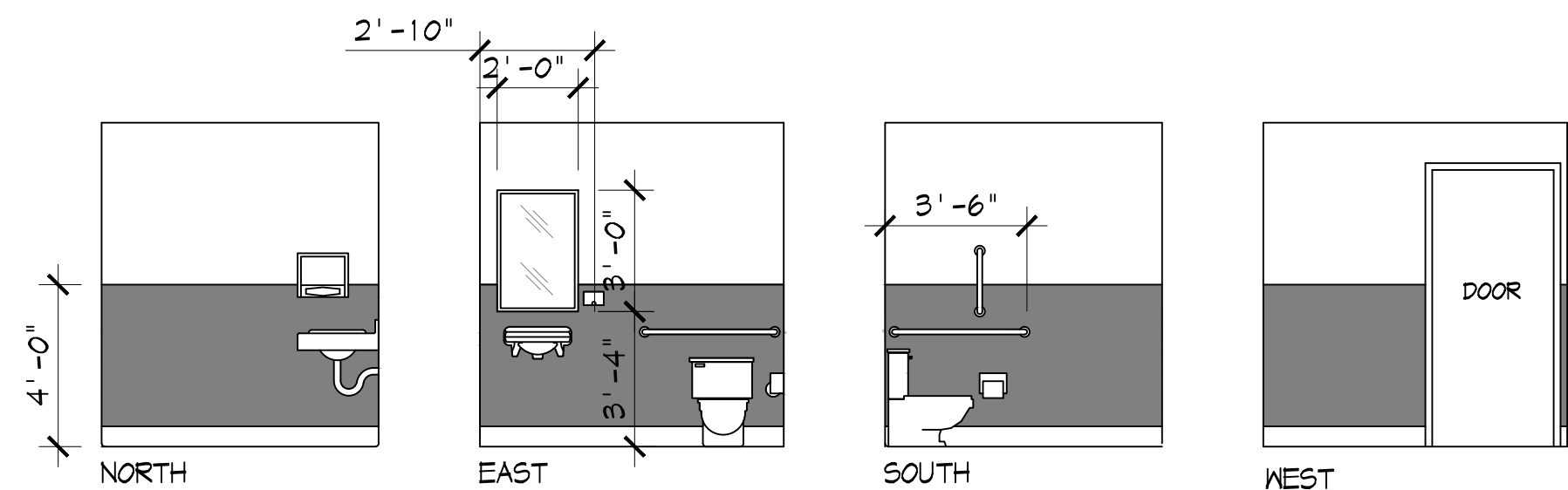


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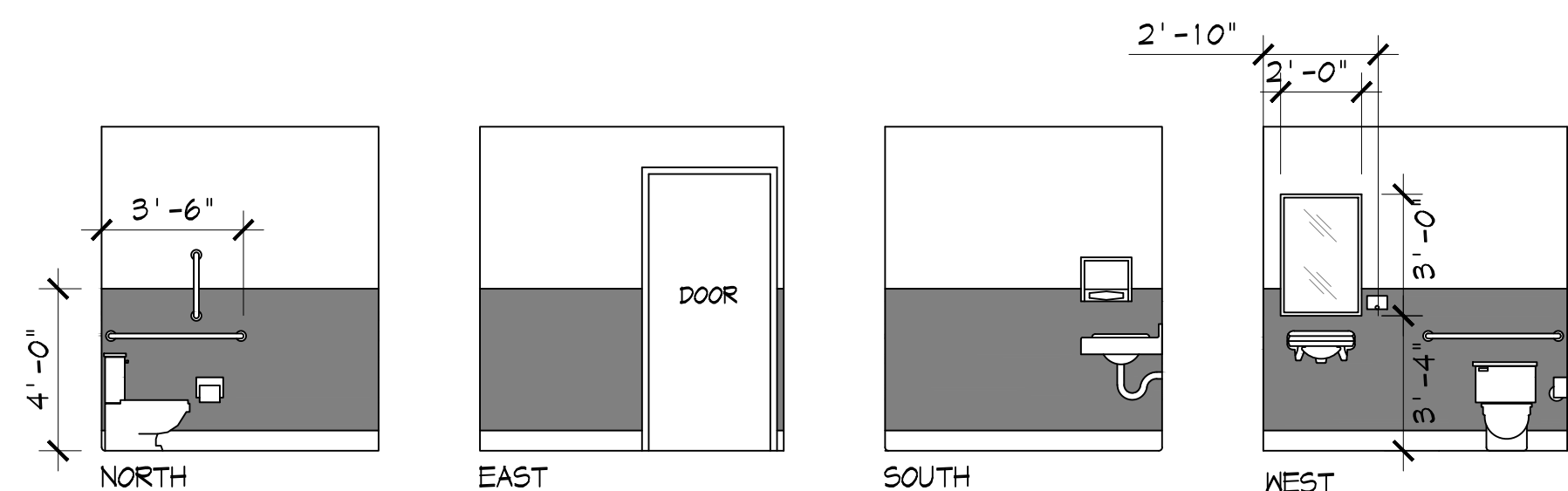
Drawing:  
**A5.1**  
Job Number:  
21c-4332



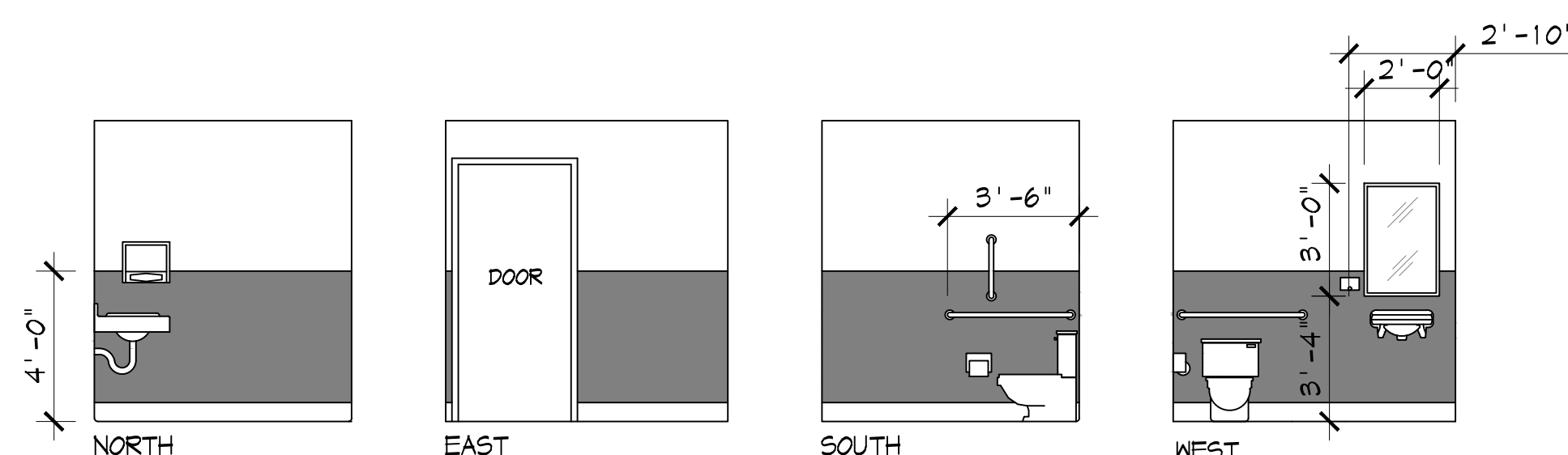
1 RESTROOM 104  
1/4" = 1'-0"



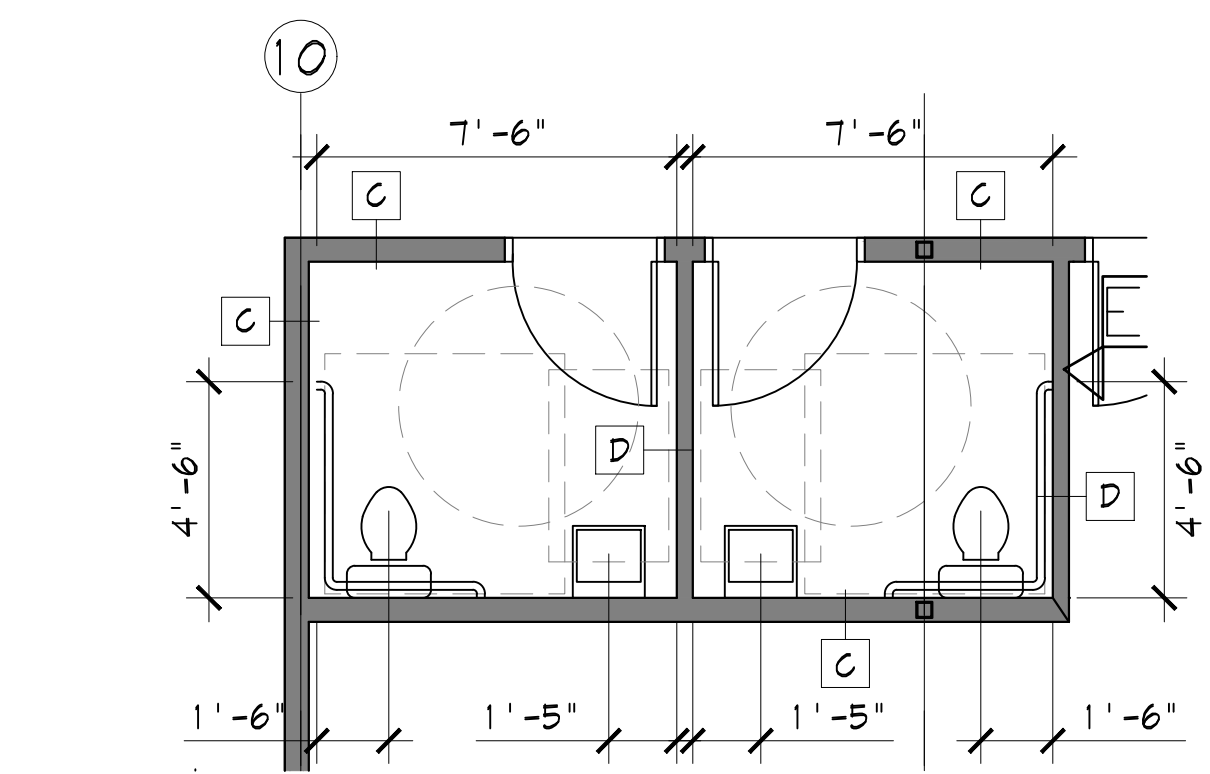
2 RESTROOM 105  
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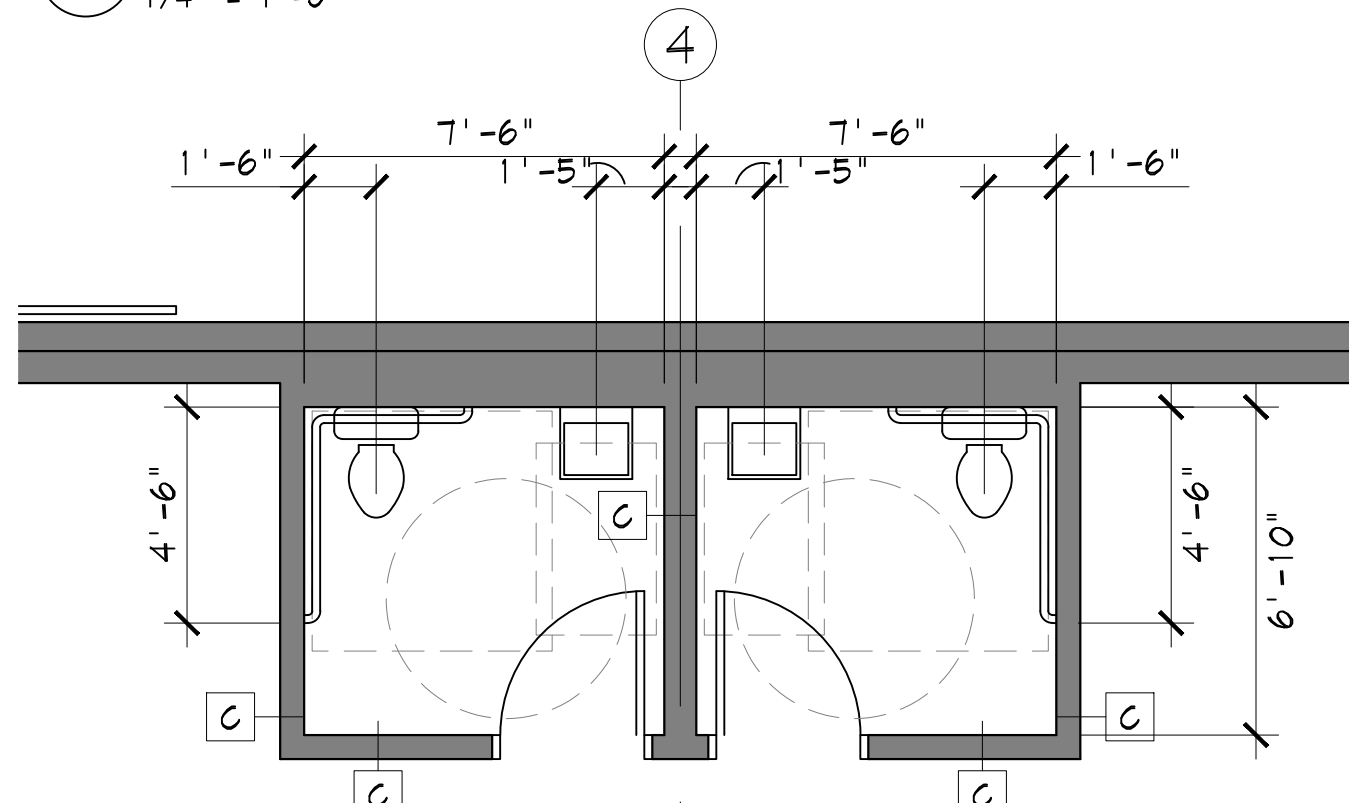
3 RESTROOM 107/109  
1/4" = 1'-0"



4 RESTROOM 108/110  
1/4" = 1'-0"



5 ENLARGED RESTROOM PLAN 105/104  
1/4" = 1'-0"



6 ENLARGED RESTROOM PLAN 110/109 108/107  
1/4" = 1'-0"

ROOM #	ROOM NAME	FLOOR	BASE	WALLS				WAINSCOT	CEILING	CEILING HEIGHT	NOTES ①② TYP.
				NORTH	EAST	SOUTH	WEST				
101	INDUST/WAREHOUSE	F-4	B-1	N-1	N-1	N-1	N-1	-	C-3	VARIES	
102	OFFICE	F-1	B-1	N-1	N-1	N-1	N-1	-	C-1	8'-6"	NOTE 3
103	JANITORIAL	F-3	B-1	N-1	N-1	N-1	N-1	-	C-1	8'-0"	NOTE 3
104	WOMEN	F-3	B-2	N-2	N-2	N-2	N-2	NC-1	C-2	8'-0"	NOTE 4
105	MEN	F-3	B-2	N-2	N-2	N-2	N-2	NC-1	C-2	8'-0"	NOTE 4
106	FIRE SPRINKLER	F-4	B-1	N-1	N-1	N-1	N-1	-	C-4	8'-0"	
107	RESTROOM	F-3	B-2	N-2	N-2	N-2	N-2	NC-1	C-2	8'-0"	NOTE 4
108	RESTROOM	F-3	B-2	N-2	N-2	N-2	N-2	NC-1	C-2	8'-0"	NOTE 4
109	RESTROOM	F-3	B-2	N-2	N-2	N-2	N-2	NC-1	C-2	8'-0"	NOTE 4
110	RESTROOM	F-3	B-2	N-2	N-2	N-2	N-2	NC-1	C-2	8'-0"	NOTE 4
201	STORAGE	F-4	-	-	N-1	N-1	-	-	C-3	VARIES	

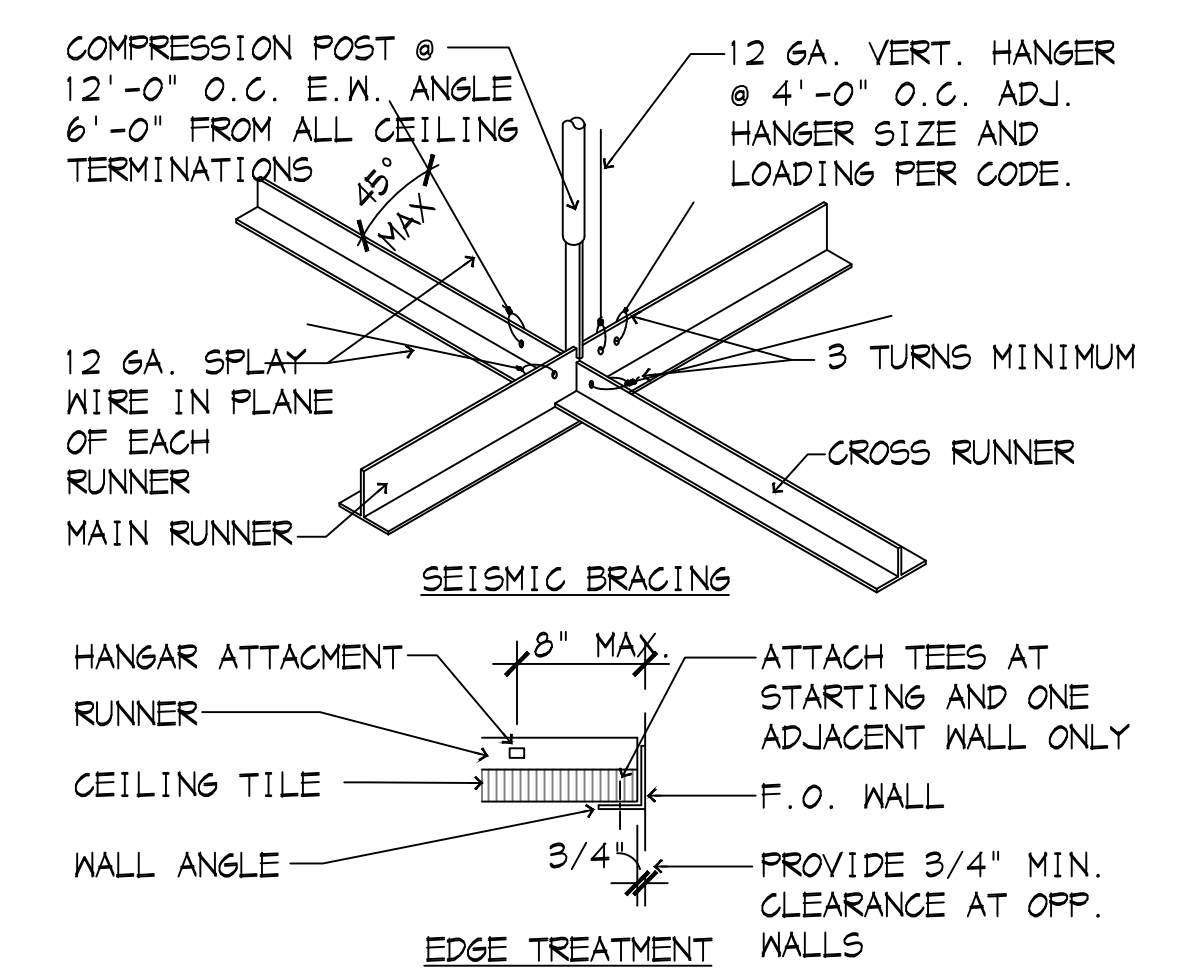
FINISH MATERIALS

- FLOOR MATERIALS**  
 F-1 CARPET TILE  
 F-2 VINYL COMPOSITE TILE  
 F-3 SHEET VINYL  
 F-4 SEALED CONCRETE  
 F-5 PLYWOOD
- BASE MATERIALS**  
 B-1 4" VINYL BASE  
 B-2 COVE FLOORING 6" UP WALL

- WALL FINISHES**  
 W-1 EGGSHELL ENAMEL  
 W-2 SEMI-GLOSS ENAMEL
- CEILING**  
 C-1 ACOUSTIC CEILING TILE  
 C-2 SEMI-GLOSS ENAMEL  
 C-3 EXPOSED FRAMING  
 C-4 EGGSHELL ENAMEL
- WAINSCOT**  
 WC-1 4'-0" PLASTIC LAMINATE  
 ALUM. EDGE TRIM @ ALL EXPOSED EDGES

FINISH NOTES

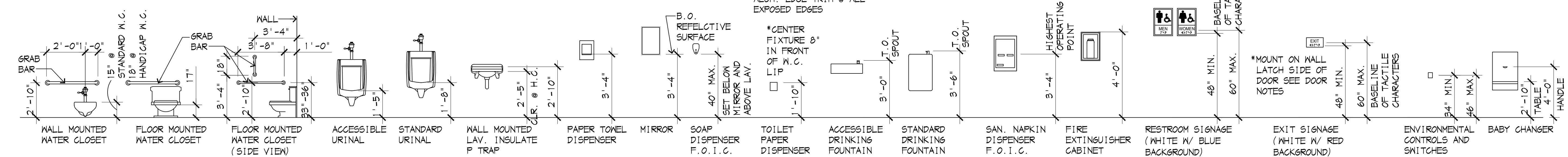
- ALL WOOD DOORS AND FRAMES TO BE STAINED. ALL METAL DOORS AND FRAMES TO BE PAINTED. PAINT ALL GNB & EXPOSED STEEL, INCLUDING HANDRAILS, GUARDRAILS, & EXPOSED STAIR STRUCTURE WHERE APPLICABLE.
- SEE DET. 1 DNG. AS.1 FOR SUSPENDED ACOUSTICAL CEILING SEISMIC BRACING.
- USE WATER RESISTANT GNB AT ALL WALLS WITHIN THIS SPACE.



SUSPENDED CEILING SYSTEM TO COMPLY WITH: NORTHWEST WALL & CEILING BUREAU DOCUMENT 401. ASTM C 635, ASTM C 636, ASTM E580, SECTION 5 - SEISMIC DESIGN CATEGORIES D, E, AND F OF ASCE 7-10.

ACOUSTICAL TILE OR LAY-IN PANEL CEILING SHALL ALSO COMPLY WITH THE FOLLOWING:  
 A. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE SHALL BE NOT LESS THAN 2". IN EACH ORTHOGONAL HORIZONTAL DIRECTION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE A .75" CLEARANCE FROM THE WALL AND SHALL REST UPON AND BE FREE TO SLIDE UPON A CLOSURE ANGLE OR CHANNEL.  
 B. FOR CEILING AREAS EXCEEDING 2,500 SQUARE FEET, A SEISMIC SEPARATION JOINT OR FULL HEIGHT PARTITION THAT BREAKS THE CEILING INTO AREAS LESS THAN 2,500 SQUARE FEET EACH WITH A RATIO OF THE LONG SHORT DIMENSION LESS THAN OR EQUAL TO 4, SHALL BE PROVIDED UNLESS STRUCTURAL ANALYSES ARE PERFORMED OF THE CEILING BRACING SYSTEM FOR THE PRESCRIBED SEISMIC FORCES THAT DEMONSTRATE THAT CEILING PENETRATIONS AND CLOSURE ANGLES OR CHANNELS PROVIDE SUFFICIENT CLEARANCE TO ACCOMMODATE THE ANTICIPATED LATERAL DISPLACEMENT. EACH AREA SHALL BE PROVIDED WITH CLOSURE ANGLES OR CHANNELS IN ACCORDANCE WITH SECTION 13.5.6.2.2.A AND HORIZONTAL RESTRAINTS OR BRACING. SECTION 13.5.6.2.2.

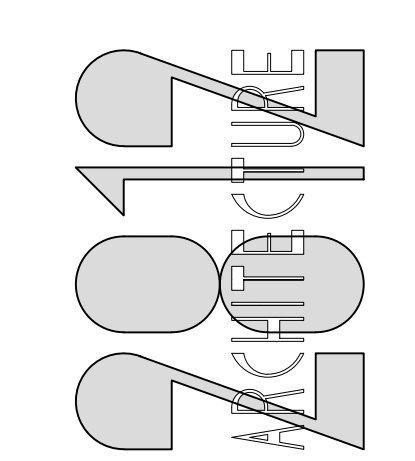
7 CEILING BRACING DETAIL  
NOT TO SCALE



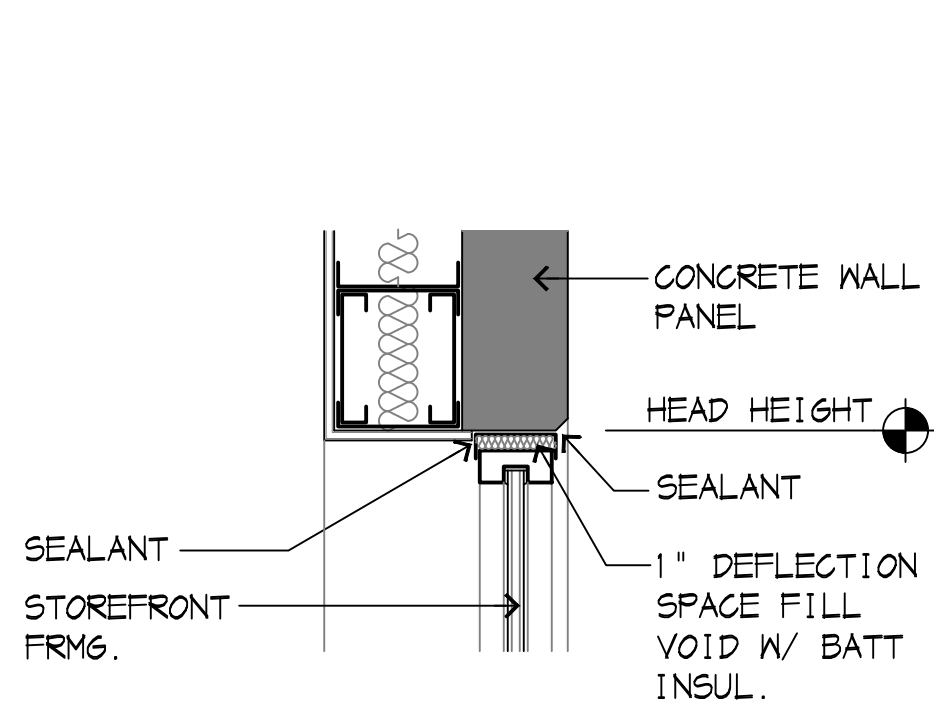
TYPICAL FIXTURE HEIGHTS

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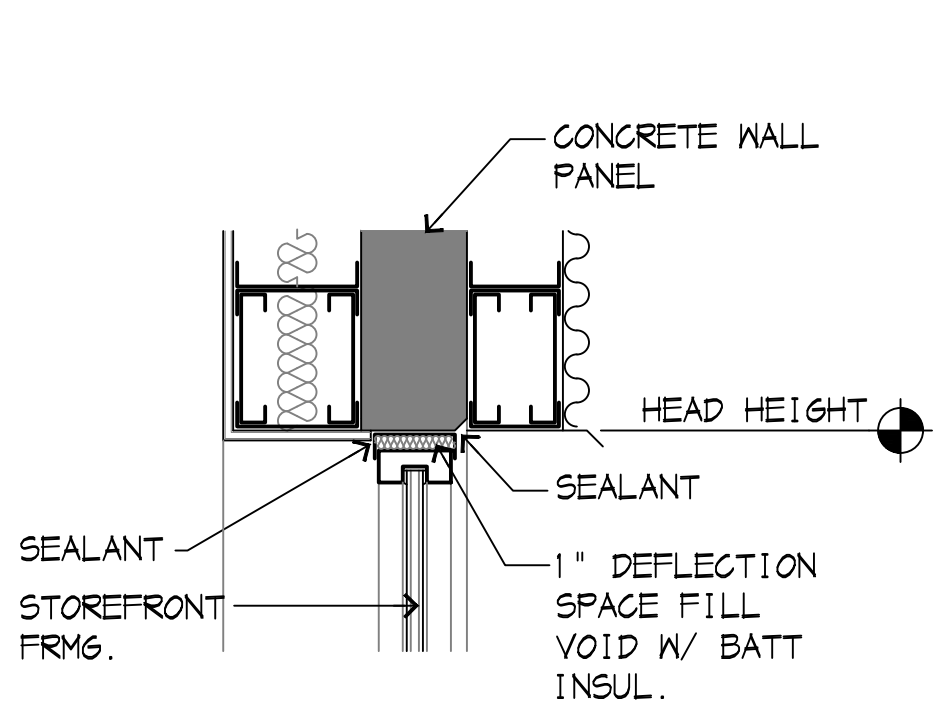
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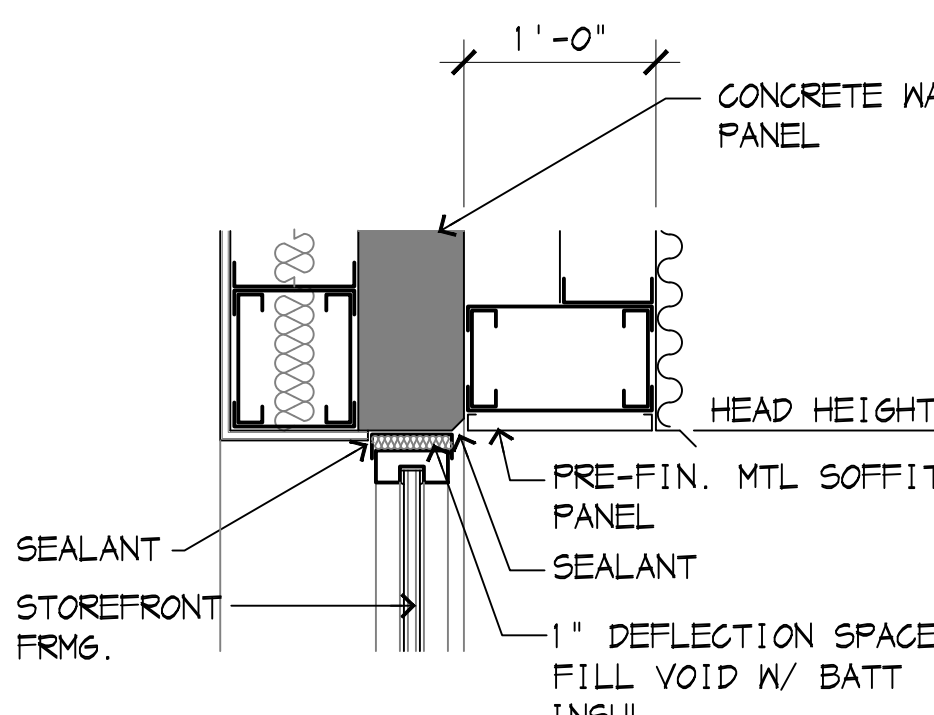
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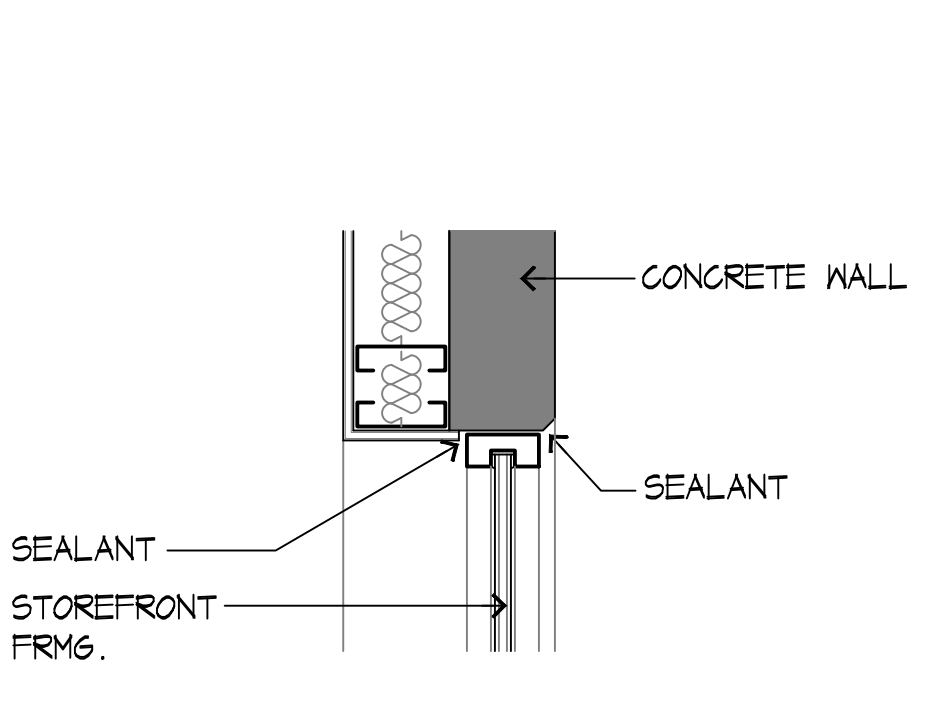
1 STOREFRONT HEAD  
1" = 1'-0"



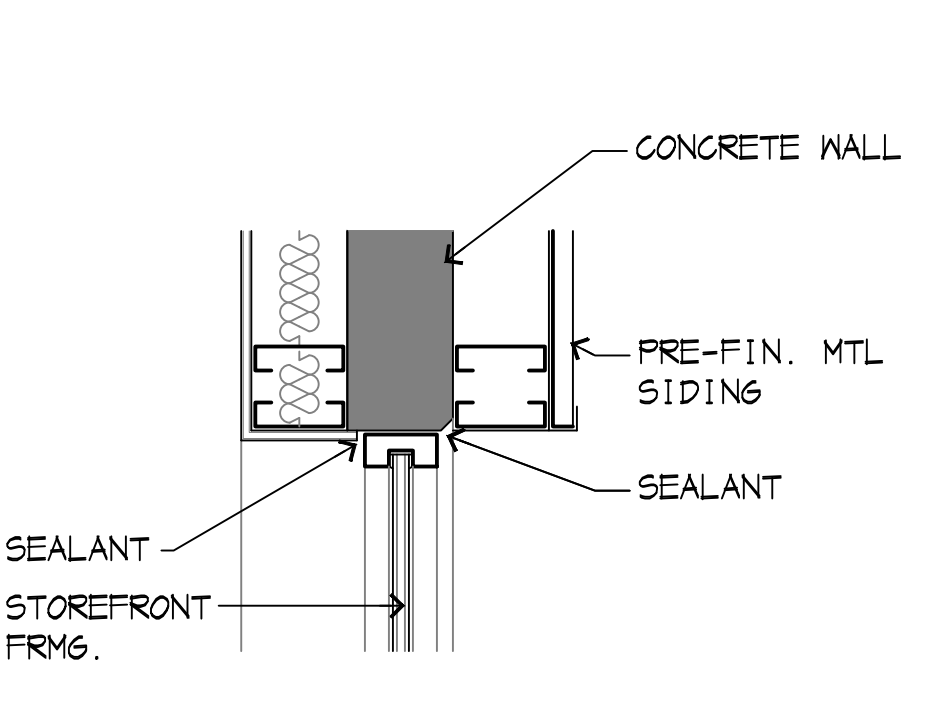
2 STOREFRONT HEAD  
1" = 1'-0"



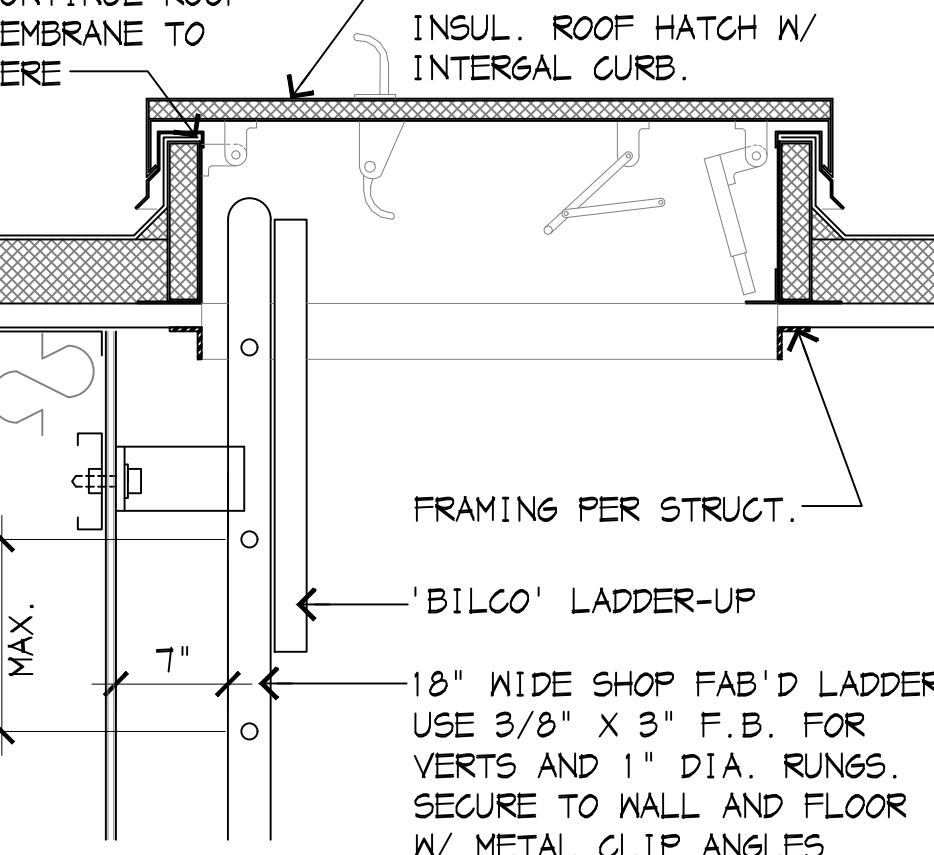
3 STOREFRONT HEAD  
1" = 1'-0"



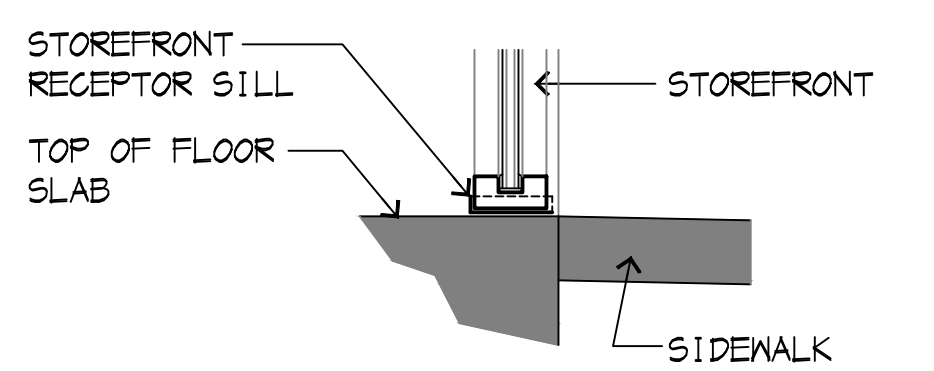
4 STOREFRONT JAMB  
1" = 1'-0"



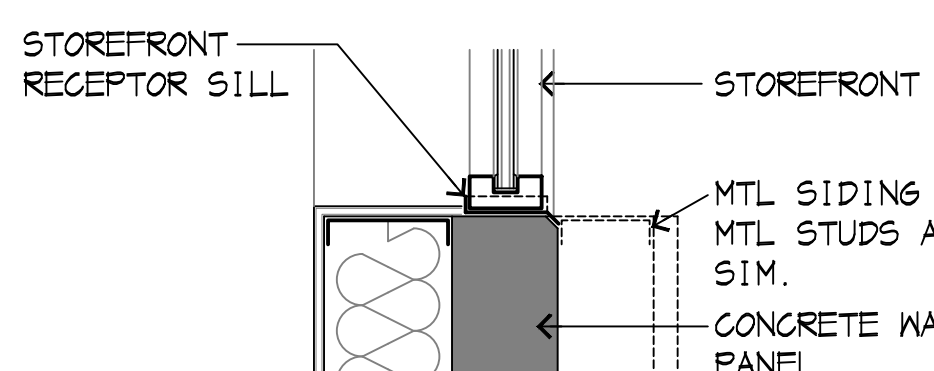
5 STOREFRONT JAMB  
1" = 1'-0"



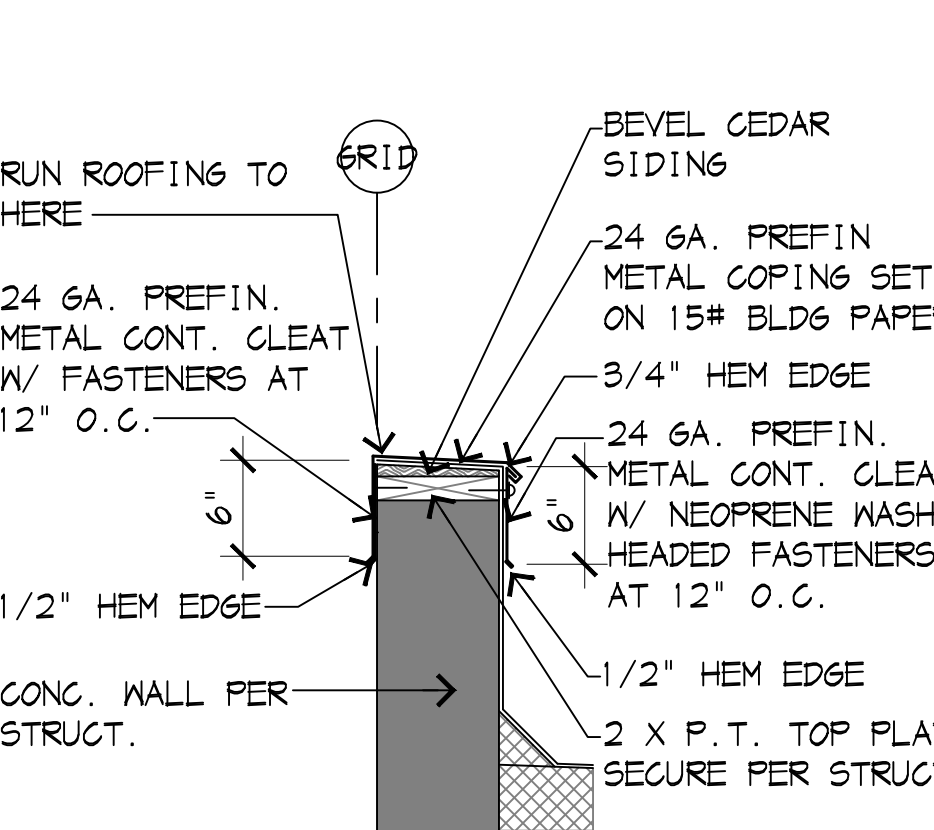
6 ROOF HATCH  
1" = 1'-0"



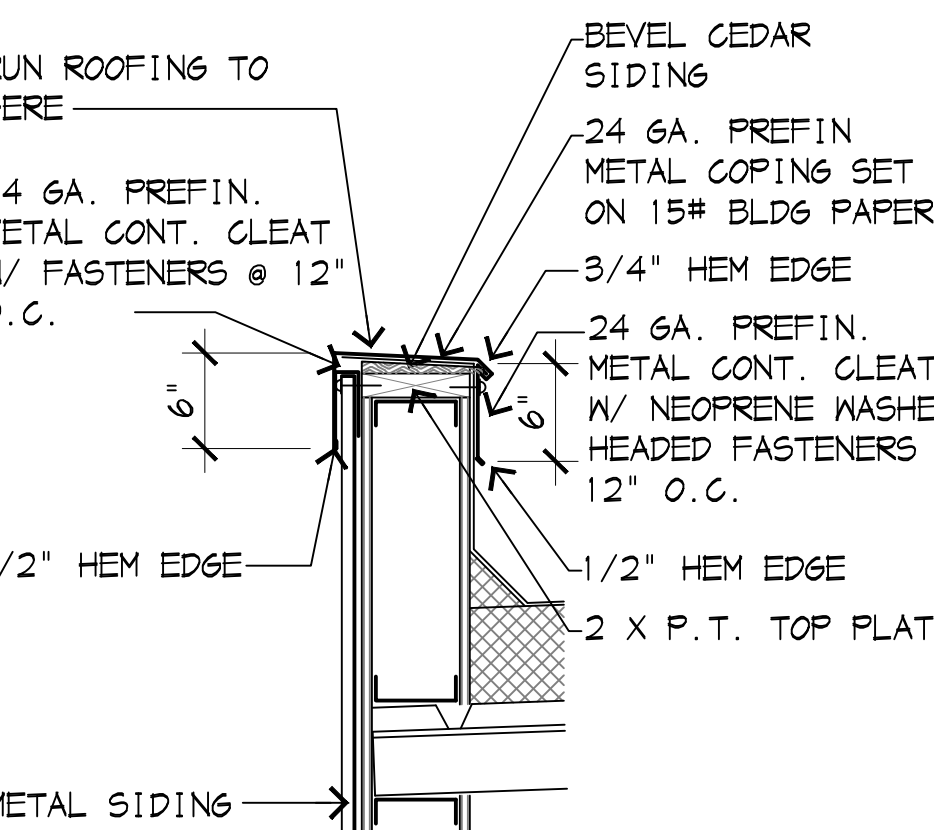
7 STOREFRONT SILL  
1" = 1'-0"



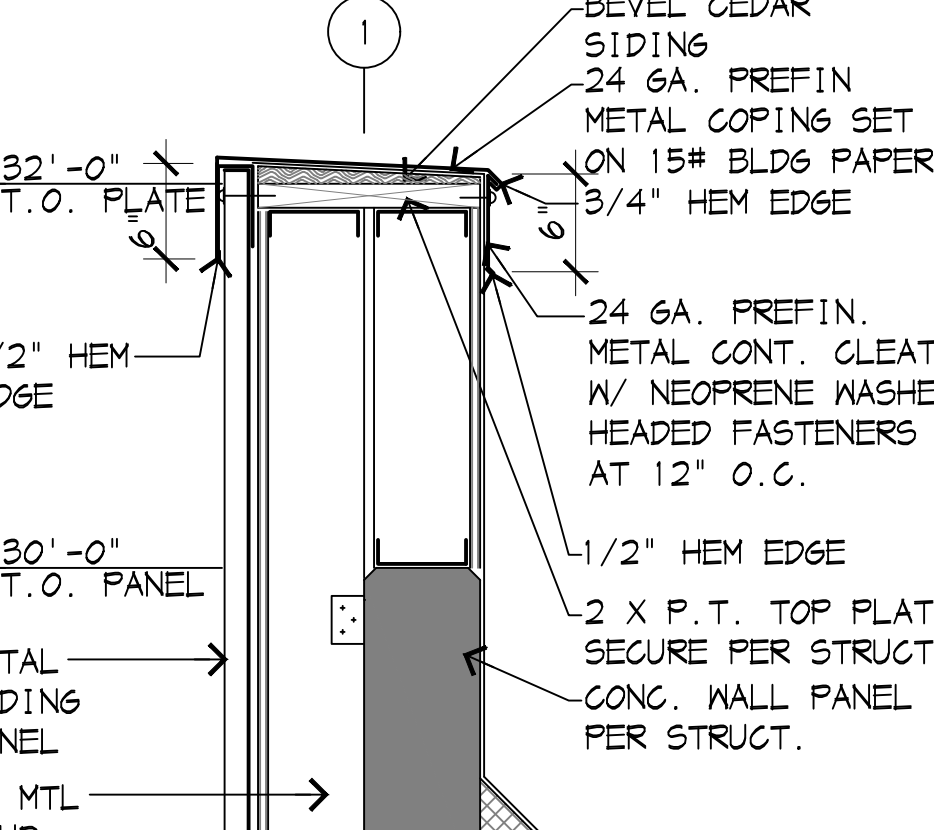
8 STOREFRONT SILL  
1" = 1'-0"



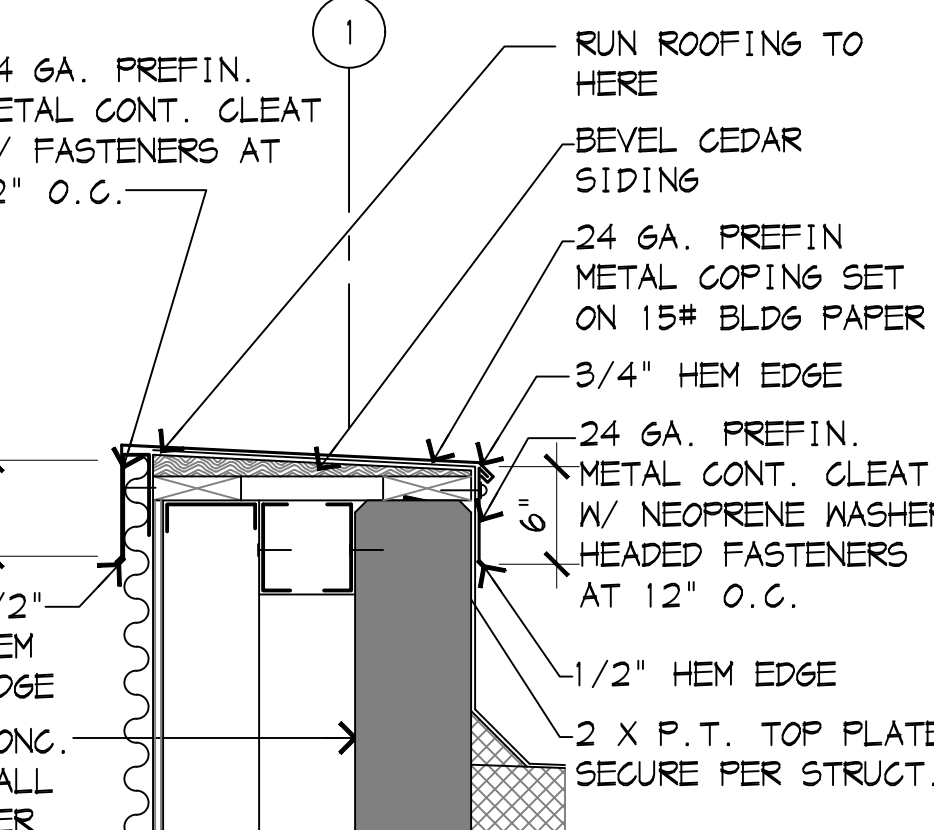
9 COPING  
1" = 1'-0"



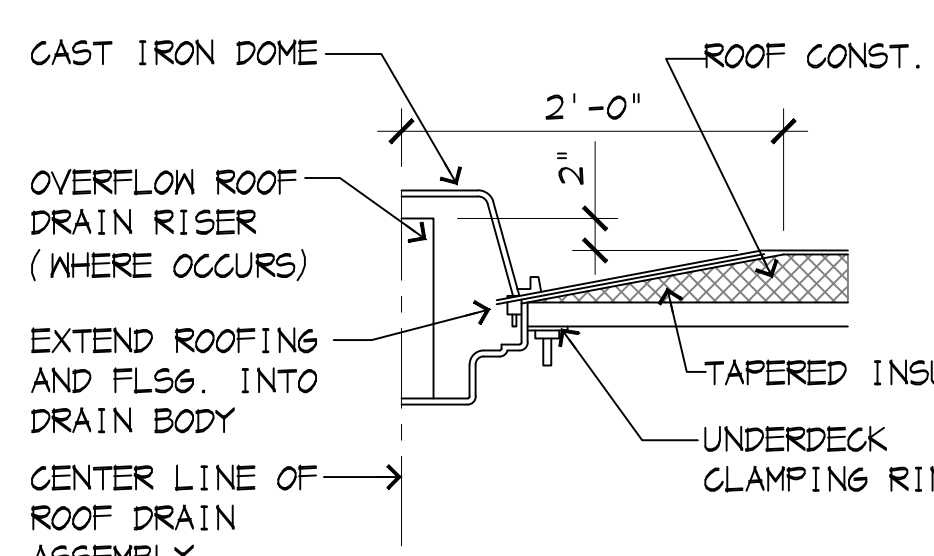
10 COPING  
1" = 1'-0"



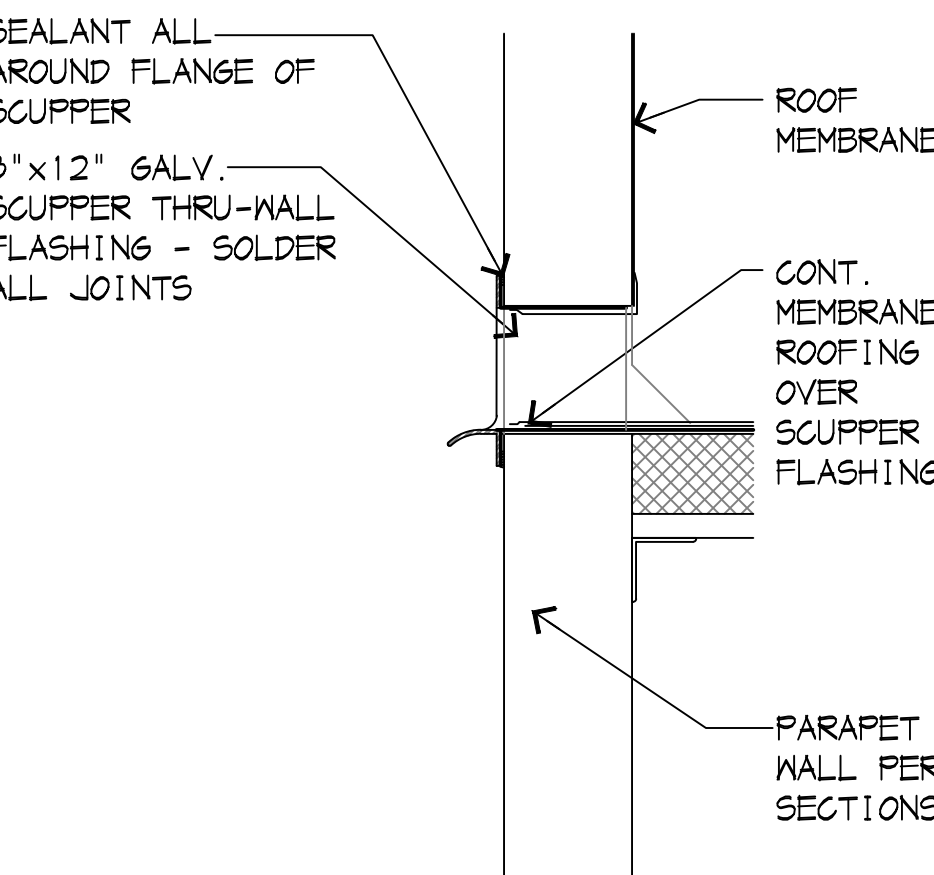
11 COPING  
1" = 1'-0"



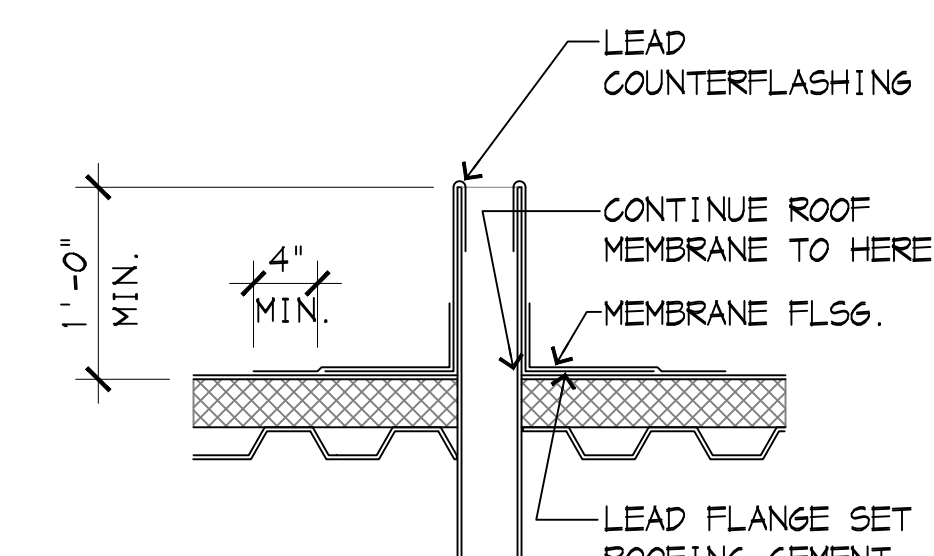
12 COPING  
1" = 1'-0"



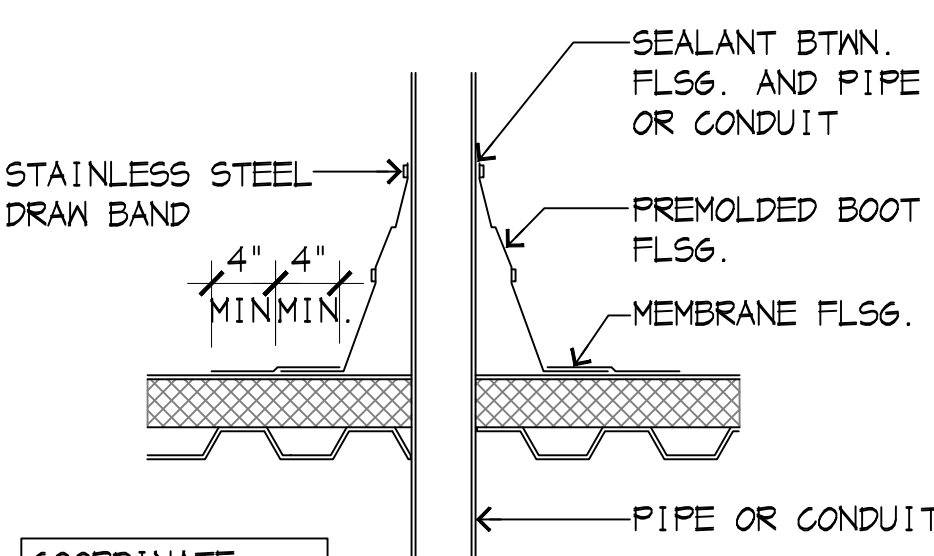
13 ROOF/OVERFLOW DRAIN  
1" = 1'-0"



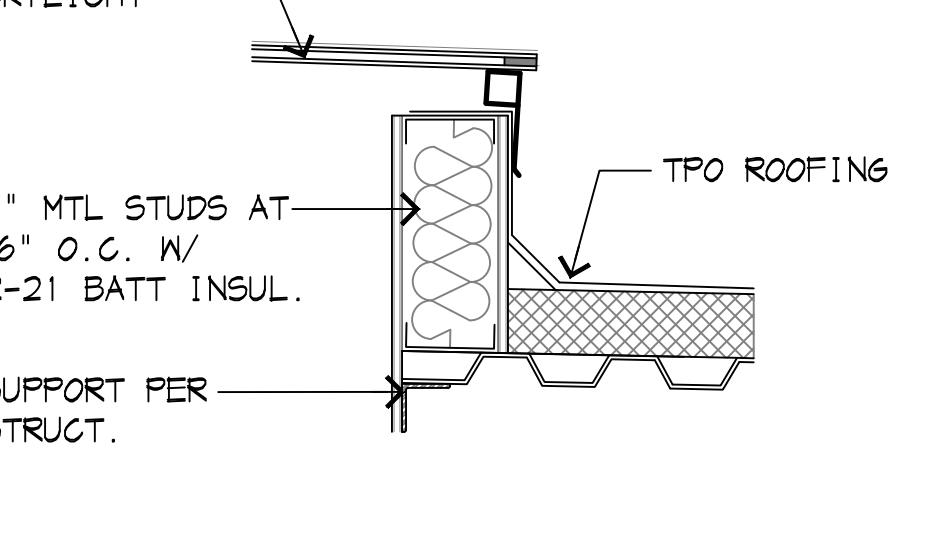
14 SCUPPER  
SCALE: 1" = 1'-0"



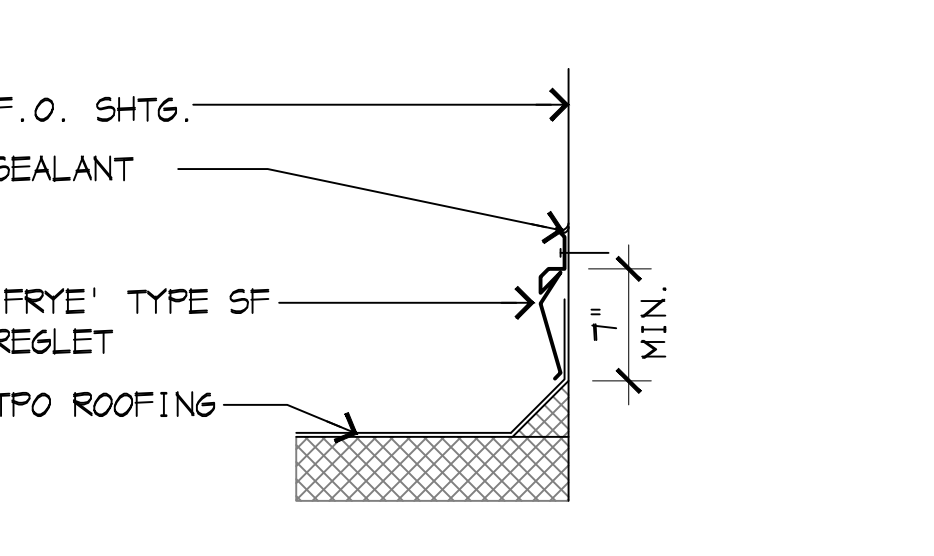
15 PLUMBING VENT  
1" = 1'-0"



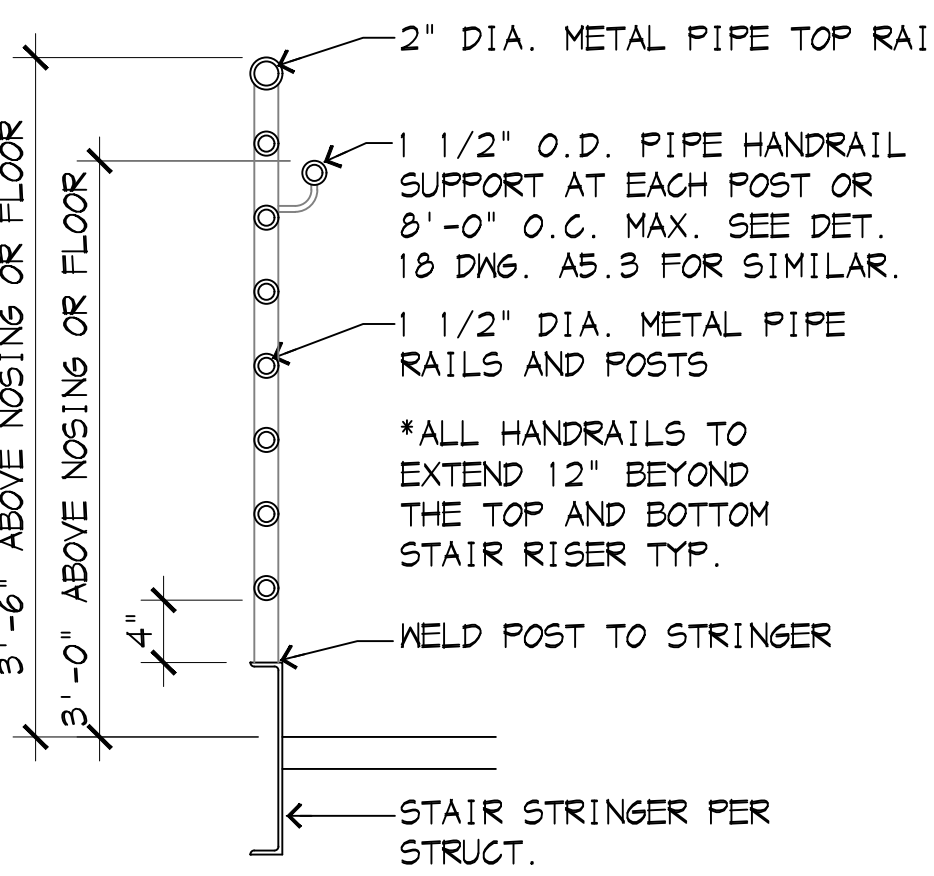
16 TUBULAR PENETRATION  
1" = 1'-0"



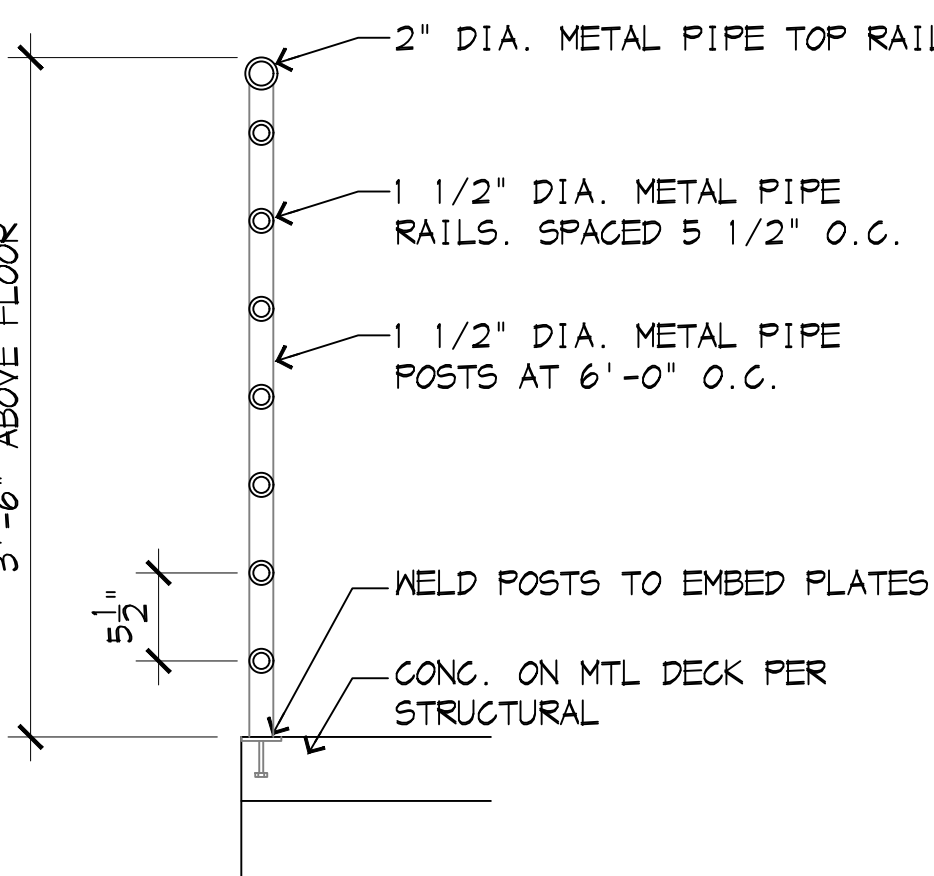
17 SKYLIGHT  
1" = 1'-0"



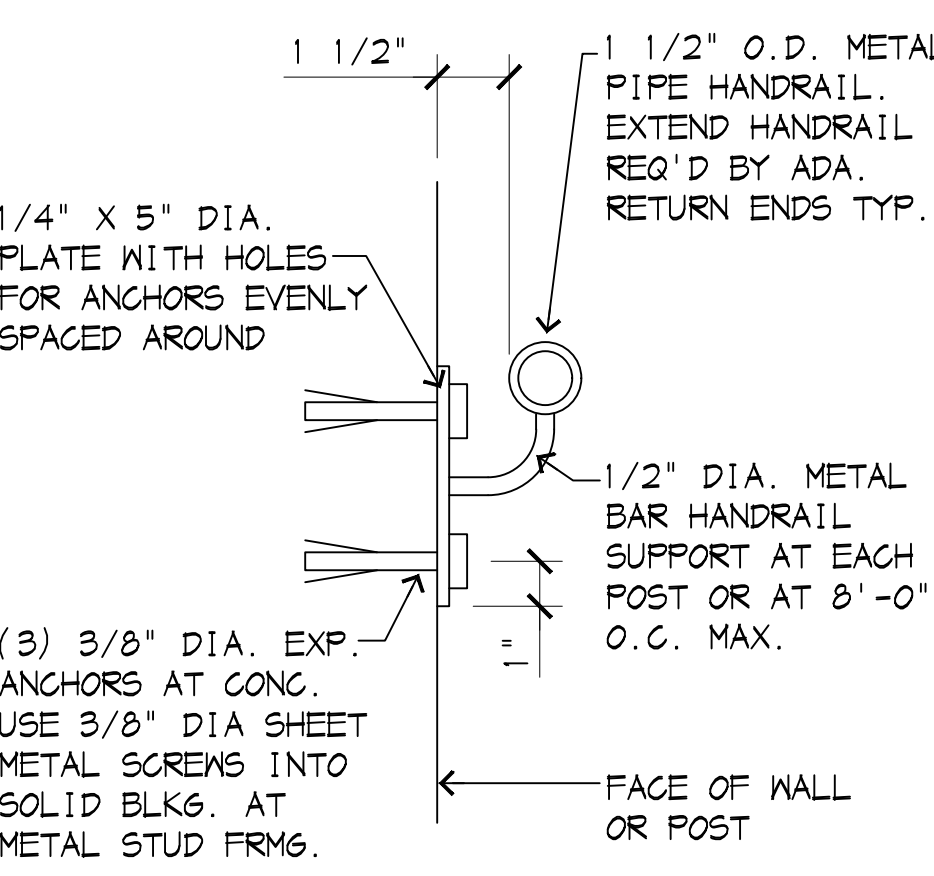
18 REGLET  
1" = 1'-0"



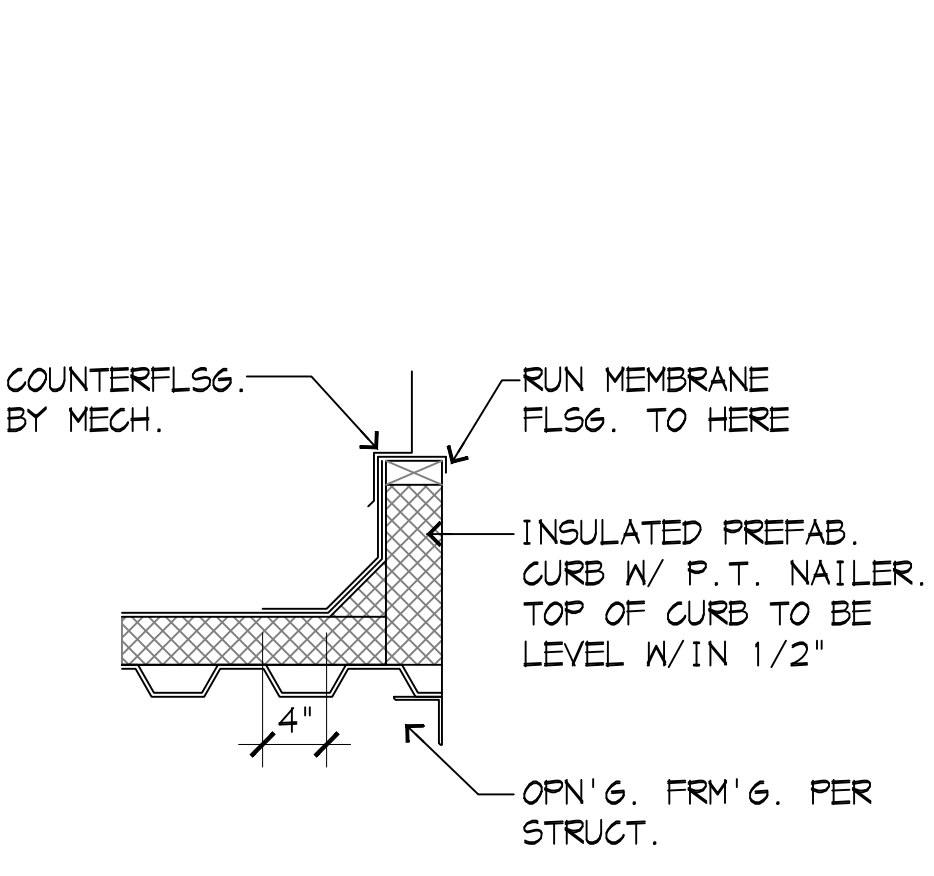
19 GUARDRAIL  
SCALE: 1" = 1'-0"



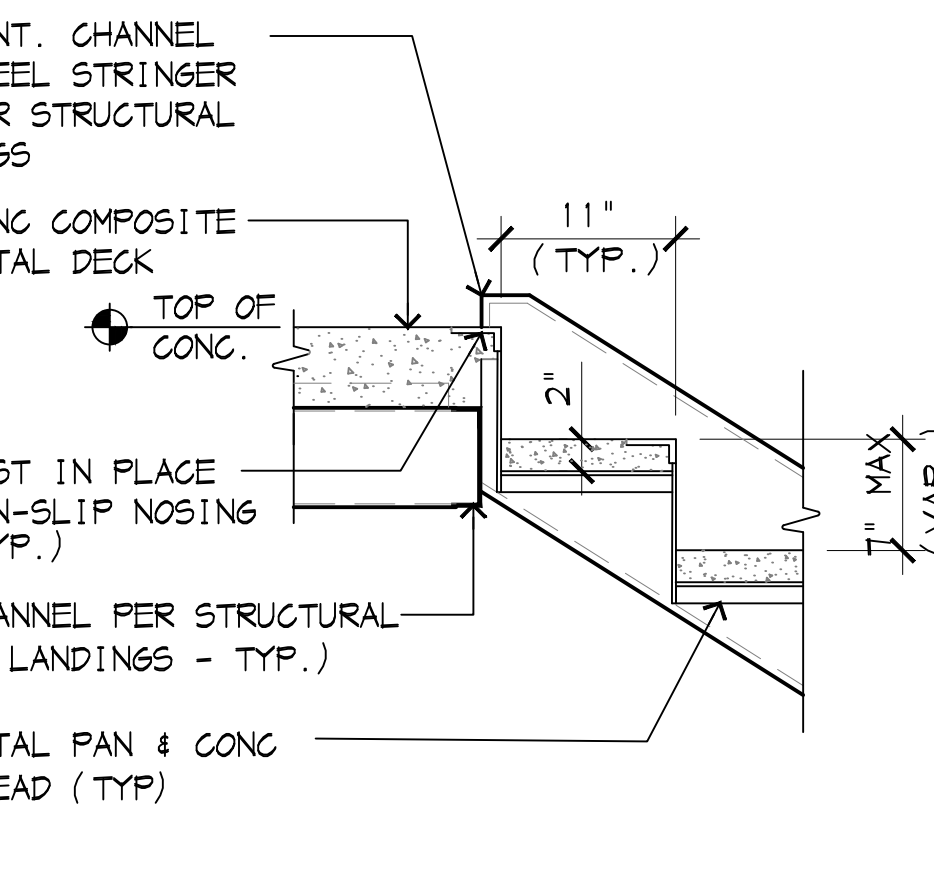
20 GUARDRAIL  
SCALE: 1" = 1'-0"



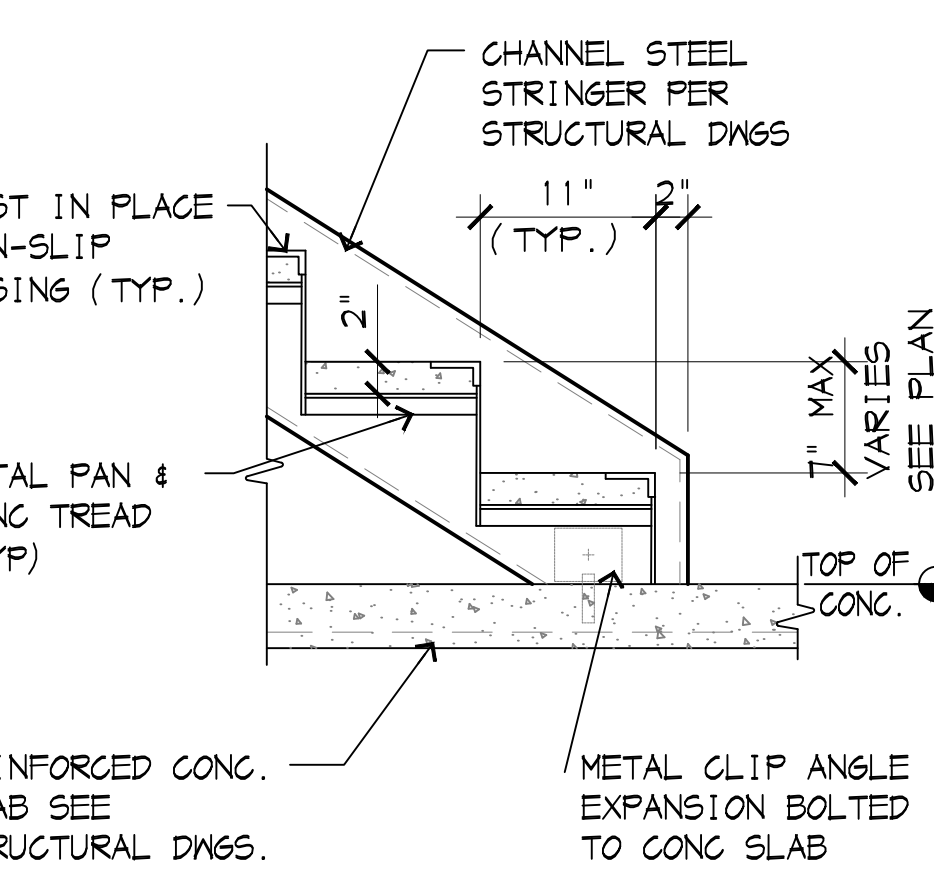
21 HANDRAIL  
3" = 1'-0"



22 ROOF CURB  
1" = 1'-0"



23 TOP OF STAIRS  
1" = 1'-0"

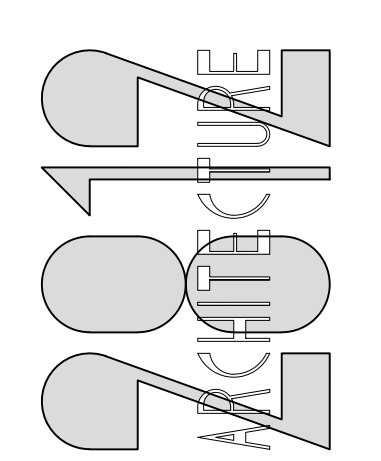


24 BOTTOM OF STAIRS  
1" = 1'-0"

Date:	16 MAR 2022	DESIGN REVIEW SUBMITTAL
	16 MAR 2022	ZONING PERMIT SUBMITTAL
	04 AUG 2022	ZONING PERMIT SUBMITTAL
	22 FEB 2023	BUILDING PERMIT SUBMITTAL
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**SPECIAL INSPECTION SCHEDULE**

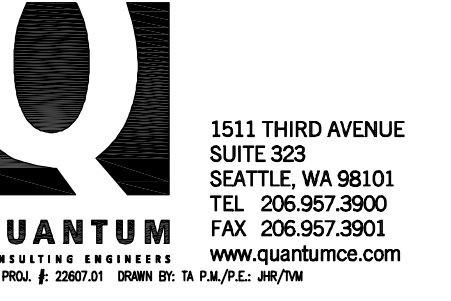
- NOTES:**
- THE ITEMS CHECKED WITH AN "X" SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS REFER TO THE PROJECT SPECIFICATIONS, THE STRUCTURAL NOTES, AND THE NOTES BELOW. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
  - CONTINUOUS INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON THE SITE AT ALL TIMES OBSERVING THE WORK REQUIRING SPECIAL INSPECTION (IBC 1702). PERIODIC SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON SITE AT TIME INTERVALS NECESSARY TO CONFIRM THAT ALL WORK REQUIRING SPECIAL INSPECTION IS IN COMPLIANCE.
  - INSPECTION OF DRILLED ANCHORS, INCLUDING EXPANSION AND ADHESIVE GROUTED ANCHORS, WHERE SPECIFIED, SHALL INCLUDE VISUAL VERIFICATION OF DRILLED HOLE DEPTH, SPACING, EDGE DISTANCES AND HOLE CLEANING. FOR GROUTED ANCHORS, GROUT INSTALLATION SHALL BE OBSERVED AND GROUT PRODUCT SPECIFICATION AND PREPARATION SHALL BE VERIFIED.
  - ALL COMPLETE PENETRATION WELDS SHALL BE TESTED ULTRASONICALLY OR AS OTHERWISE SPECIFIED OR BY USING ANOTHER APPROVED METHOD.
  - ALL WELDS SHALL BE VISUALLY INSPECTED.
  - INSPECTION OF PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. CONTINUOUS INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE.
  - EXCEPTIONS - SPECIAL INSPECTION IS NOT REQUIRED FOR:
    - CLADDING AND VENEER WEIGHING 5 PSF OR LESS.
    - INTERIOR NON-BEARING WALLS WEIGHING 15 PSF OR LESS.
    - ARCHITECTURAL COMPONENTS IN STRUCTURES 30 FEET OR LESS IN HEIGHT.

**ABBREVIATIONS**

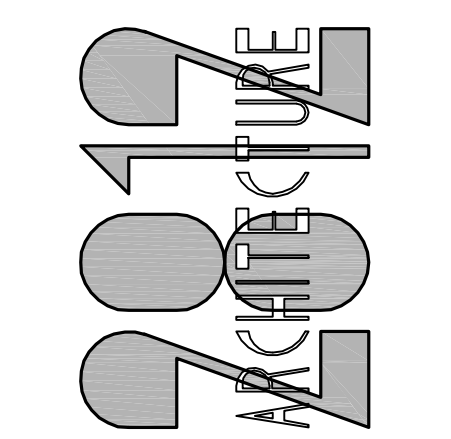
@	At	L	Angle
d	Penny (Nails)	LB.	Pound
φ	Diameter	LL	Live Load
°	Degrees	LLH	Long Leg Horizontal
•	Founds	LLV	Long Leg Vertical
...#	Number	LONGIT.	Longitudinal
#...	Number	LT. WT.	Lightweight
(A)	Above		
A.B.	Anchor Bolt	MAX.	Maximum
ADD'L	Additional	MECH.	Mechanical
ALT.	Alternate	MEZZ.	Mezzanine
APPROX.	Approximate	MF	Moment Frame
ARCH.	Architect	MFR.	Manufacturer
		MIN.	Minimum
(B)	Below	MISC.	Miscellaneous
B/	Bottom of	MK.	Mark
BF	Braced Frame		
BLK'g.	Blocking	(N)	New
BLDG.	Building	N.	North
BM.	Beam	N.S.	Near Side
BOT.	Bottom	NOM.	Nominal
BRG.	Bearing	NTS	Not to Scale
BTWN.	Between		
		O.C.	On Center
CL or C	Centerline	O.D.	Outside Diameter
C	Camber	O.F.	Outside Face
CIP	Cast In Place	O.H.	Overhang
C.J.	Construction Joint or Control Joint	OPNG.	Opening
CJP	Complete Joint Penetration	OPP.	Opposite
CLG	Celling		
CLR.	Clear	PAF	Powder Actuated Fastener
CMU	Concrete Masonry Unit	PC	Precast
COL.	Column	PERM.	Permanent
CONC.	Concrete	PERP.	Perpendicular
CONN.	Connections	PJP	Partial Joint Penetration
CONST.	Construction	PL or P	Plate
CONT.	Continuous	PLF	Pounds per linear Foot
CSK.	Countersink	PLYMD	Plywood
		PREFAB.	Prefabricated
DBA	Deformed Bar Anchor	PSF	Pounds per Square Foot
DBL	Double	PSI	Pounds per Square Inch
DEG.	Degree	P.T. or PT	Post-Tensioning
DF	Doug Fir-Larch	P/T	Pressure-Treated
DIA.	Diameter		
DIAG.	Diagonal	RAD.	Radius
DIAPH.	Diaphragm	REF.	Reference
DIM.	Dimension	REINF.	Reinforce or Reinforcement
DN.	Down	REQD.	Required
DO	Ditto	REV.	Revise
DTL	Detail	R.O.	Rough Opening
DTP	Double Top Plate		
DWG.	Drawing	S.	South
(E)	Existing	SCH. or SCHED.	Schedule
E.	East	SECT.	Section
EA.	Each	SHT.	Sheet
E.F.	Each Face	SIM.	Similar
EL.	Elevation	SOG	Slab On Grade
ELEV.	Elevator	SPEC.	Specification
EMBED.	Embedment Length	SQ.	Square
ENGR.	Engineer	SQ. FT.	Square Feet
EQ.	Equal	SQ. IN.	Square Inches
E.M.	Each Way	SFF	Spruce-Fir-Fir
EXP.	Expansion	S.S.	Stainless Steel
EXT.	Exterior	STD.	Standard
		STIFF.	Stiffener
		STL.	Steel
FDN.	Foundation	STR.	Structural
FIN.	Finish	SUB.	Substitute
FLR.	Floor	SYM.	Symmetrical
FRP	Fiber Reinforced Polymer		
F.S.	Far Side	T/	Top of
FT.	Foot or Feet	T&B	Top and Bottom
FTG.	Footing	T&G	Tongue & Groove
		TEMP.	Temporary
GA.	Gauge	THRU	Through
GALV.	Galvanized	T.O.C.	Top of Concrete
GL	Glue Laminated	T.O.S.	Top of Steel
GWB	Gypsum Wall Board	T.O.M.	Top of Wall
		TRANS.	Transverse
HDS	Hot Dipped Galvanized	TS	Tube Steel
HDR.	Header	TYP.	Typical
HF	Hem Fir		
HGR.	Hanger	U.O.N.	Unless Otherwise Noted
HORIZ.	Horizontal		
HSS	Hollow Structural Section	VERT.	Vertical
HT.	Height	VIF	Verify in Field
I.D.	Inside Diameter	W.	West
I.F.	Inside Face	W or w/	With
IN.	Inch	W.H.S.	Welded Headed Stud
INFO.	Information	W/O	Without
INT.	Interior	W.P.	Work Point
		W.T.S.	Welded Threaded Stud
JT.	Joint	WWF	Welded Wire Fabric
K	Kips	X SECT.	Cross Section
KSF	Kips per Square Foot	X-STR	Extra Strong
KSI	Kips per Square Inch	XX-STR	Double Extra Strong

SPECIAL INSPECTION SCHEDULE					
SEE NOTES 1 & 2					
		CONTINUOUS	PERIODIC	REMARKS	
FOUNDATION	1	EXCAVATION, GRADING AND FILL	X	BY GEOTECHNICAL ENGINEER	
	2	FINAL FOUNDATION PREPARATION	X	BY GEOTECHNICAL ENGINEER	
	3	PLACEMENT OF FOUNDATION AND RETAINING WALL BACKFILL	X	BY GEOTECHNICAL ENGINEER	
CONCRETE	1	INSPECTION OF REINFORCING STEEL		X	
	2	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH STEEL ITEM 3b BELOW			
	3	INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED	X		
	4	VERIFYING USE OF REQUIRED DESIGN MIX		X	
	5	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X		
	6	INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X		
	7	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X	
	8	ERECTION OF PRECAST CONCRETE MEMBERS		X	
	9	INSPECTION OF EMBED PLATES, BOLTS, AND OTHER EMBEDDED ITEMS PRIOR TO AND DURING PLACEMENT OF CONCRETE	X		
DRILLED IN ANCHORS	1	PLACEMENT OF ADHESIVE ANCHORS, RODS AND DOWELS	X	SEE NOTE 3	
	2	PLACEMENT OF EXPANSION AND SCREW ANCHORS	X	SEE NOTE 3	
STRUCTURAL STEEL	1	MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:			
	a.	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS		X	
	b.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED		X	
	2	INSPECTION OF HIGH-STRENGTH BOLTING:			
	a.	BEARING-TYPE CONNECTIONS		X	
	3	MATERIAL VERIFICATION OF STRUCTURAL STEEL:			
	a.	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS		X	
	b.	MANUFACTURER'S CERTIFIED MILL TEST REPORTS		X	
	4	MATERIAL VERIFICATION OF WELD FILLER MATERIALS:			
	a.	IDENTIFICATION MARKINGS TO CONFORM TO AMS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS		X	
	b.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED		X	
	5	INSPECTION OF WELDING:			
	a.	STRUCTURAL STEEL:			
	1)	COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	X		SEE NOTE 4
	2)	MULTIPASS FILLET WELDS	X		
	3)	SINGLE-PASS FILLET WELDS > 5/16"	X		
	4)	SINGLE-PASS FILLET WELDS < 5/16"		X	SEE NOTE 5
	5)	FLOOR AND DECK WELDS		X	SEE NOTE 5
	b.	REINFORCING STEEL:			
	1)	VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706		X	
	2)	OTHER REINFORCING STEEL		X	
	c.	OTHER WELDING:			
	1)	ANCHORS AND STUDS		X	
	2)	STAIR/RAILING SYSTEMS		X	
	3)	METAL DECK		X	
4)	LIGHT GAGE METAL FRAMING		X		
OPEN-WEB STEEL JOISTS AND JOIST GIRDERS	1	INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS			
	a.	END CONNECTIONS - WELDING OR BOLTED		X	
	b.	BRIDGING - HORIZONTAL OR DIAGONAL		X	
	1)	STANDARD BRIDGING		X	
2)	BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1		X		
COLD FRAMED STEEL FRAMING	1	WELDING		X	
	2	SCREW ATTACHMENT, BOLTING, ANCHORING, AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE-RESISTING SYSTEM, INCLUDING STRUTS, BRACES AND HOLDOWNS		X	
ARCHITECTURAL COMPONENTS	1	DURING ERECTION AND FASTENING OF EXTERIOR CLADDING, INTERIOR NON-BEARING WALLS, AND INTERIOR AND EXTERIOR VENEER		X	
MECHANICAL AND ELECTRICAL COMPONENTS	1	DURING ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS		X	
	2	DURING INSTALLATION OF PIPING SYSTEMS INTENDED TO CARRY FLAMMABLE, COMBUSTIBLE OR HIGHLY TOXIC CONTENTS AND THEIR ASSOCIATED MECHANICAL UNITS		X	
APPROVED FABRICATORS	1	APPROVED FABRICATORS MUST SUBMIT CERTIFICATE OF COMPLIANCE FOR ALL OFFSITE FABRICATORS SUCH AS STRUCTURAL STEEL, PRECAST CONCRETE, ETC.			
PREFABRICATED CONSTRUCTION	1			SEE NOTE 6	

Date: 02/09/2023  
 For: PERMIT SET  
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 03/07/2023

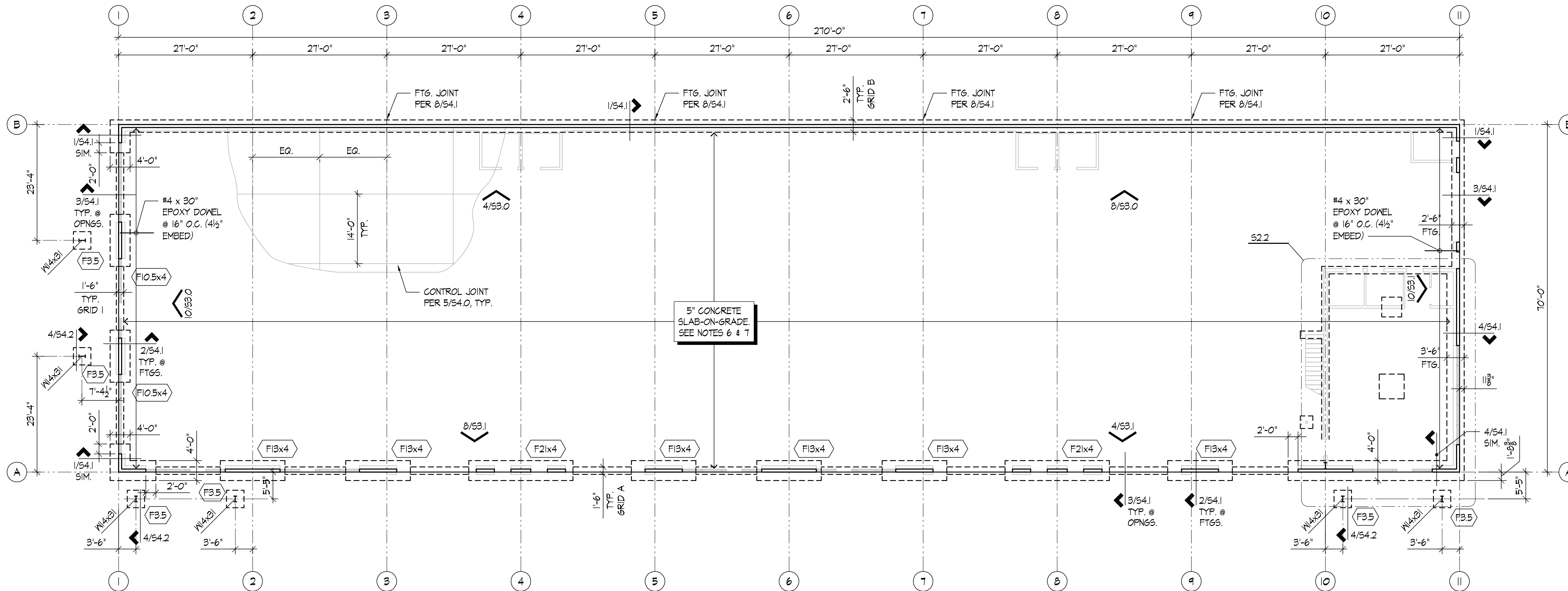


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 SPECIAL INSPECTION SCHEDULE AND ABBREVIATIONS

Drawing: **S1.2**  
 Job Number: 22607.01



**FOUNDATION PLAN NOTES:**

- ALL DIMENSIONS AND ELEVATIONS ON THE STRUCTURAL PLANS ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND MANUFACTURER'S DRAWINGS BEFORE CONSTRUCTION BEGINS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.
- THE GEOTECHNICAL ENGINEER SHALL REVIEW THE FOUNDATION PLAN BEFORE CONSTRUCTION TO VERIFY COMPLIANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. THE GEOTECHNICAL ENGINEER SHALL INSPECT THE SUBGRADE BEFORE REINFORCEMENT PLACEMENT TO VERIFY THE SOIL CONDITION.
- FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS SEE SHEETS S1.0 TO S1.2.
- FOR TYPICAL CONCRETE FOUNDATION DETAILS SEE SHEETS S4.0 TO S4.2.
- REINFORCE CONCRETE WALLS PER THE GENERAL NOTES ON S1.0 U.O.N. ON PLANS, DETAILS, OR TILT-UP WALL ELEVATIONS ON SHEETS S3.0 AND S3.1.
- SLAB-ON-GRADE SHALL BE 5" THICK CONCRETE REINFORCED WITH #4 @ 16" O.C. EACH WAY AT MID-DEPTH, U.O.N. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SUB-GRADE MOISTURE BARRIER AND ELEVATIONS, ETC. THE SLAB-ON-GRADE IS A STRUCTURAL DIAPHRAGM AND PART OF THE LATERAL FORCE RESISTING SYSTEM.
- FOR SLAB-ON-GRADE JOINTS, SEE DETAIL 5/S4.0.
- FOR SLAB STEPS, SLOPES AND FLOOR DRAINS SEE ARCHITECTURAL DRAWINGS.
- PROJECT TOP OF SLAB (T.O.S.) ELEVATION IS 0'-0". SEE ARCHITECTURAL DRAWINGS FOR ABSOLUTE T.O.S. ELEVATION. TYPICAL TOP OF INTERIOR FOOTING ELEVATION = -1'-0" U.O.N. TYPICAL TOP OF EXTERIOR FOOTING ELEVATIONS = -1'-0" U.O.N.

**LEGEND:**

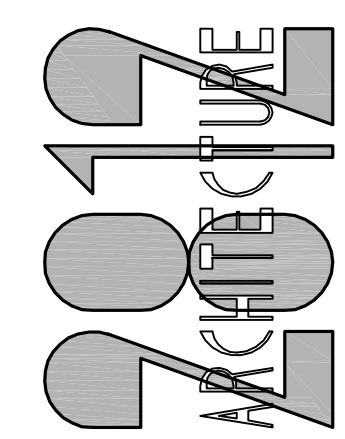
- I INDICATES COLUMN, SIZE CALLED OUT AT BOTTOM OF COLUMN
- Fxx INDICATES SPREAD FOOTING SEE 12/S4.2 FOR SCHEDULE
- INDICATES FOOTING
- INDICATES CONCRETE TILT-UP WALL ABOVE
- INDICATES NON-BEARING WALL ABOVE PER ARCH. SEE S6.0 FOR DETAILS

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

For:	PERMIT SET
Date:	02/09/2023
	09/07/2023
	BUILDING PERMIT RESUBMITTAL

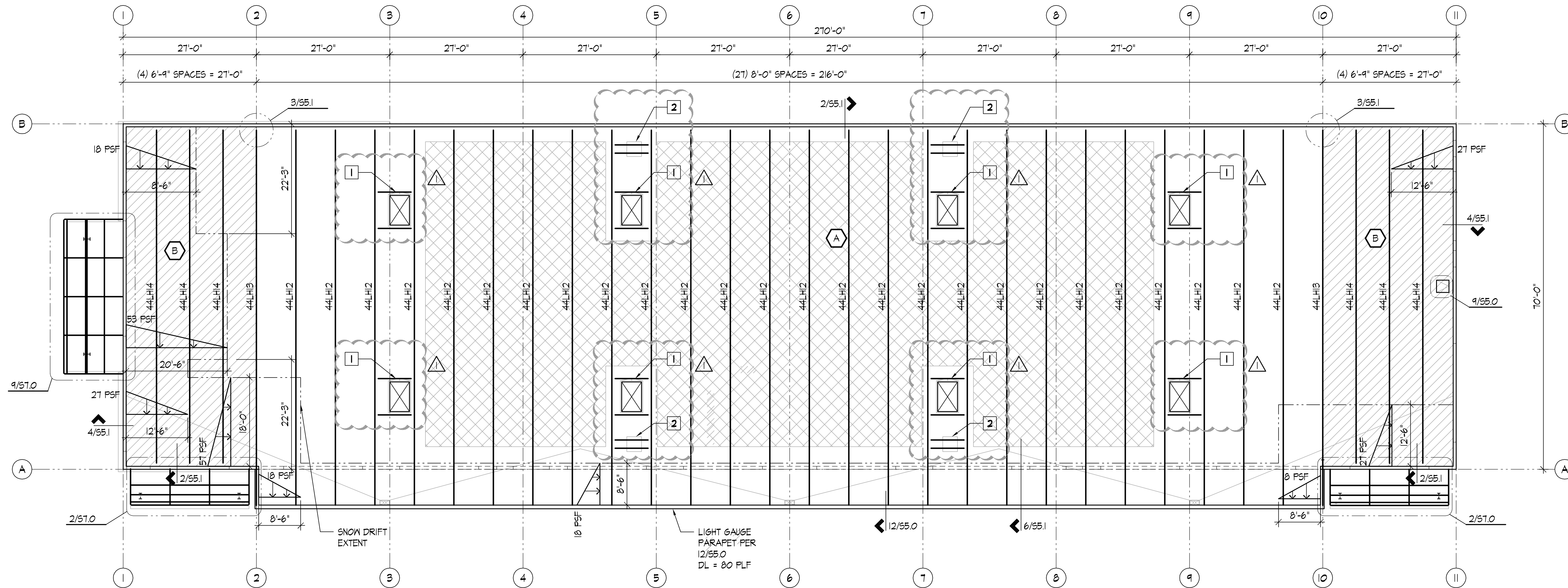


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FOUNDATION PLAN

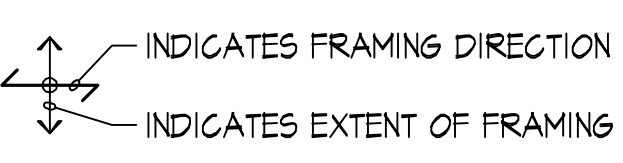
Drawing:	<b>S2.0</b>
Job Number:	22607.01



**ROOF FRAMING PLAN NOTES:**

- ALL DIMENSIONS AND ELEVATIONS ON THE STRUCTURAL PLANS ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND MANUFACTURER'S DRAWINGS BEFORE CONSTRUCTION BEGINS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.
- FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS SEE SHEETS S1.0 TO S1.2.
- SNOW DRIFT LOAD ARE SHOWN IN ADDITION TO 25 PSF UNIFORM ROOF SNOW LOADS ON REMAINDER OF ROOF.
- DESIGN TRUSSES FOR GOVERNING LOAD CASES USING SNOW LOADS THAT INCLUDE DRIFT LOADS (NOTE 3) WHERE APPLICABLE.
- TOP OF STRUCTURAL STEEL ELEVATION VARIES. SEE ARCH. PLANS FOR BOTTOM OF DECK ELEVATION.
- TYPICAL ROOF SYSTEM IS 1-1/2" 20 GA. METAL ROOF DECK PER 6/55.0. SEE ROOF DIAPHRAGM CONNECTION SCHEDULE FOR DECK CONNECTION.
- SEE GENERAL STRUCTURAL NOTES AND DETAILS 10, 11, 12/55.1 FOR OPEN WEB STEEL JOIST AND BRIDGING INFORMATION.
- ALL LH JOIST TOP CHORDS TO BE DESIGNED FOR AN ULTIMATE SEISMIC COMPRESSION AND TENSION LOAD OF 14 KIPS.

**LEGEND:**



**KEY NOTES:**

- 1 FRAMED WINDOW OPENING PER 9/53.0
- 2 3' SQ. INVERTER ZONE DL = 175 PSF FRAME PER 10/53.0

ROOF DIAPHRAGM CONNECTION SCHEDULE				
MARK / AREA	PUDDLE WELDS PER PANEL - ENDS	PUDDLE WELDS PER PANEL - INTERMEDIATE	PUNCHLOK	CAPACITY (ASD)
A	4	4	18" O.C.	550 PLF
B	7	4	18" O.C.	634 PLF

**NOTE:**  
TYPICAL ROOF SYSTEM IS 1/2" 20 GA. METAL ROOF DECK PER 6/55.0

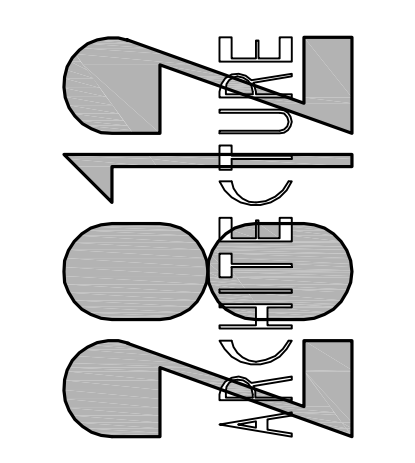
**ROOF FRAMING PLAN**

SCALE: 3/32" = 1'-0"

Date:	02/09/2023
For:	PERMIT SET
	BUILDING PERMIT RESUBMITTAL
	03/07/2023



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New Buildings for:  
**KING INDUSTRIAL**  
6221 180th St NE  
Arlington, Washington

Drawing:	<b>S2.1</b>
Job Number:	22607.01

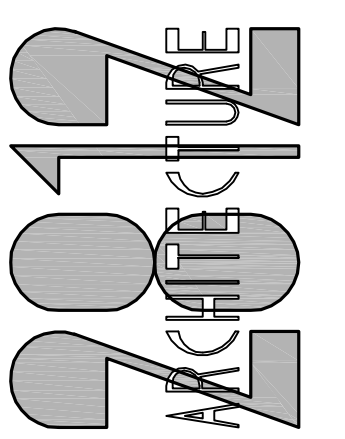


Date:	02/09/2023
For:	PERMIT SET
	BUILDING PERMIT RESUBMITTAL



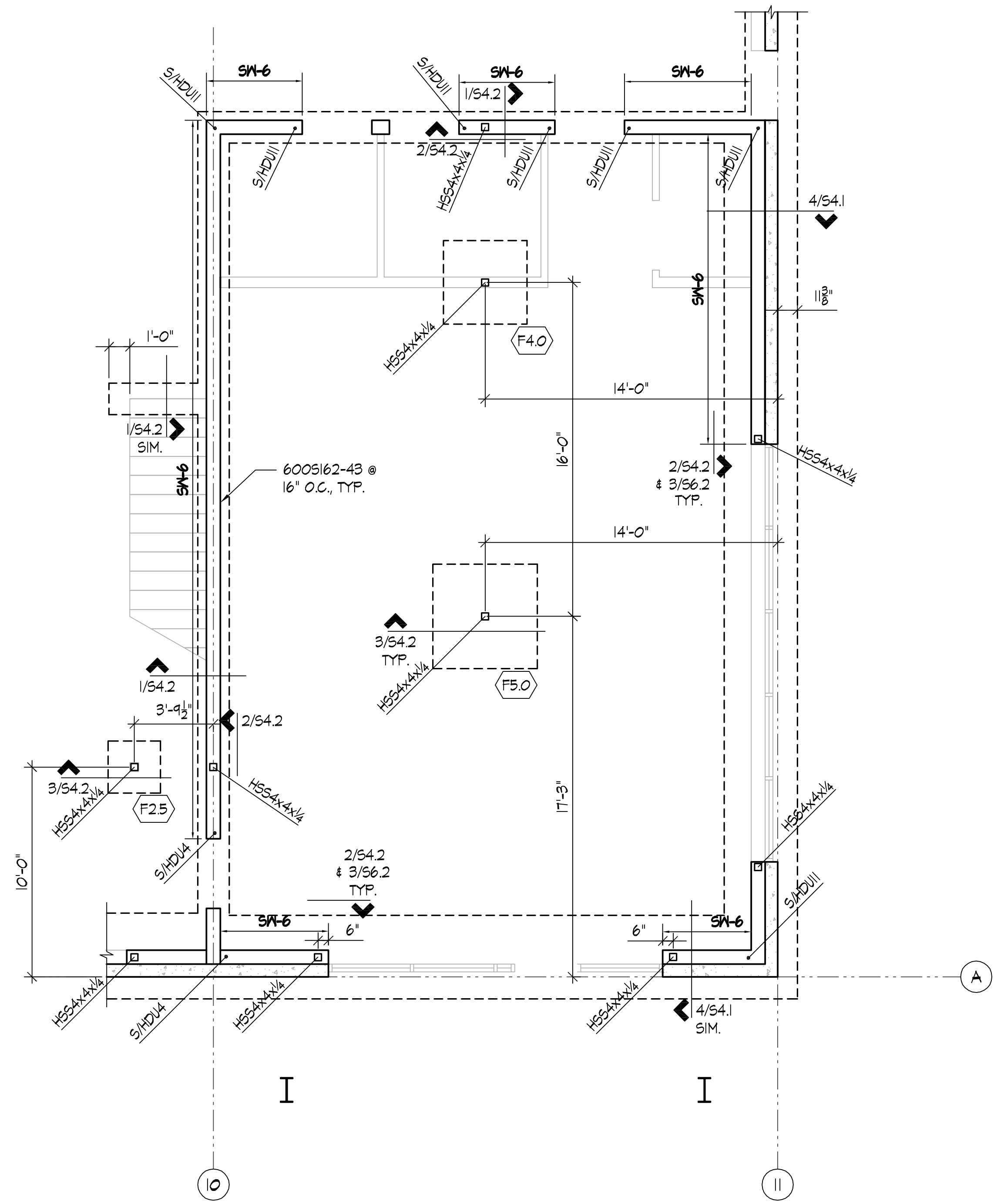
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New Buildings for:  
**KING INDUSTRIAL**  
6221 180th St NE  
Arlington, Washington  
Contract: OFFICE FOUNDATION PLAN & MEZZANINE FRAMING PLAN

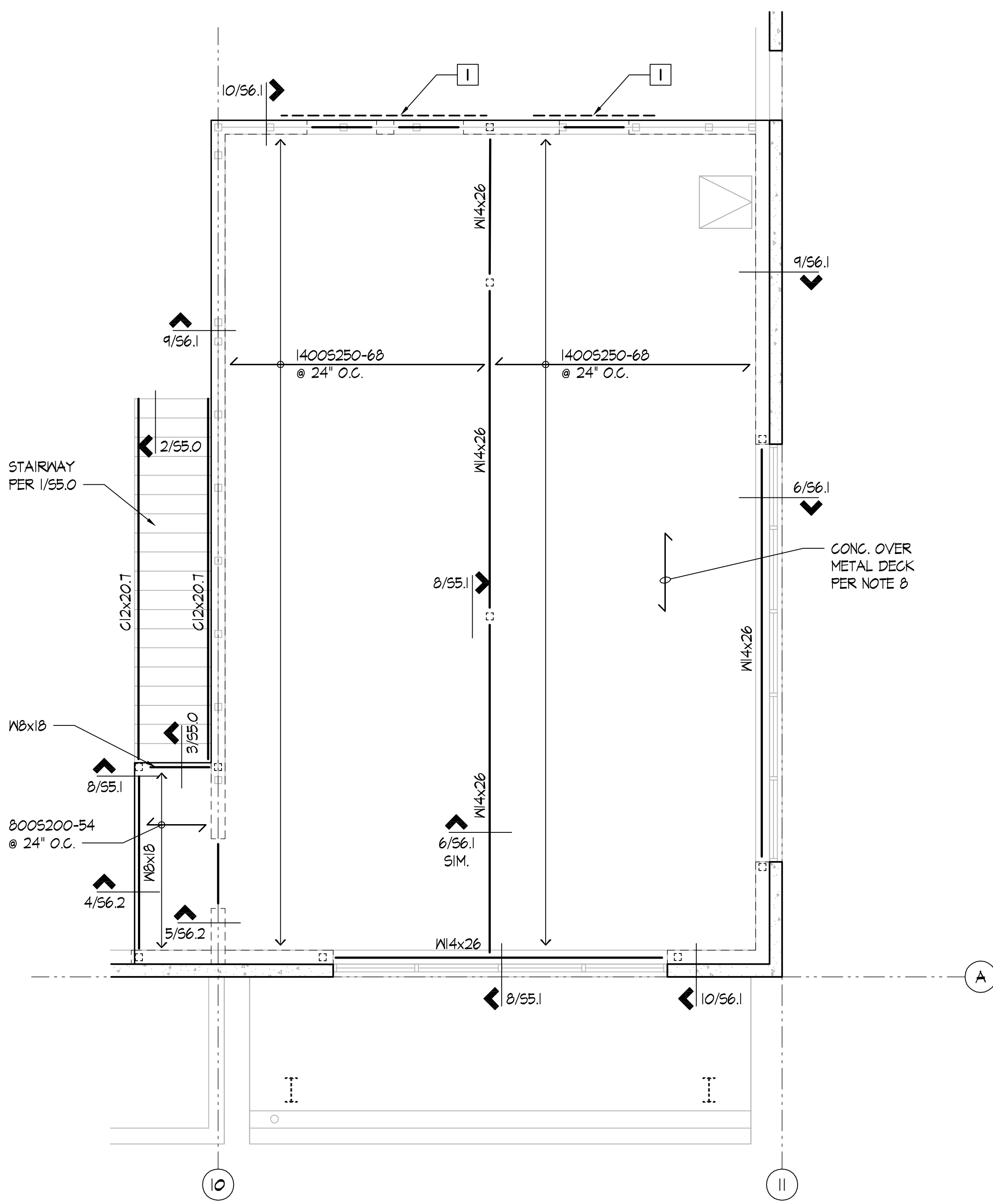
Drawing:	<b>S2.2</b>
Job Number:	22607.01



**OFFICE FOUNDATION AND MEZZANINE FRAMING PLAN NOTES:**

- ALL DIMENSIONS AND ELEVATIONS ON THE STRUCTURAL PLANS ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND MANUFACTURER'S DRAWINGS BEFORE CONSTRUCTION BEGINS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.
- FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS SEE SHEETS S1.0 TO S1.2.
- SEE SHEETS S4.0, S4.1, AND S4.2 FOR TYPICAL FOUNDATION DETAILS.
- SEE S5.0 AND S5.1 FOR TYPICAL STEEL DETAILS.
- SEE SHEETS S6.0, S6.1, AND S6.2 FOR TYPICAL LIGHT-GAUGE STEEL FRAMING DETAILS.
- ALL BEARINGS AND SHEAR WALLS SHALL BE 600S162-43 @ 16" O.C., U.O.N.
- PROVIDE WALL TO WALL CONNECTIONS PER 1/56.1. FOR TOP PLATE SPLICE SEE DETAIL 2/56.1.
- TYPICAL FLOOR SYSTEM IS 2" CONCRETE OVER 1 3/8" 20 GA. NON-COMPOSITE METAL DECK (3 3/8" TOTAL) PER 2/56.2. (125 PSF LL, U.O.N.) SEE PLAN FOR DECK DIRECTION.
- PROVIDE WALL STRAPPING/BLOCKING PER 4/56.0. PROVIDE JOIST BRIDGING PER 5/56.1.
- ALL HEADERS NOT SHOWN ON PLAN SHALL BE PER 6/56.0.
- SW-x INDICATES A SHEAR WALL AT THIS LEVEL. SEE SHEAR WALL SCHEDULE 4/56.1 FOR SHEATHING, BLOCKING, SCREWS AND ANCHOR BOLT REQUIREMENTS.
- S/HDux INDICATES HOLDOWN TO CONCRETE FOUNDATION. SEE 12/56.1 FOR HOLDOWN DETAILS. USE MIN. (2) 600S200-54 BACK TO BACK STUD POST, U.O.N.

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



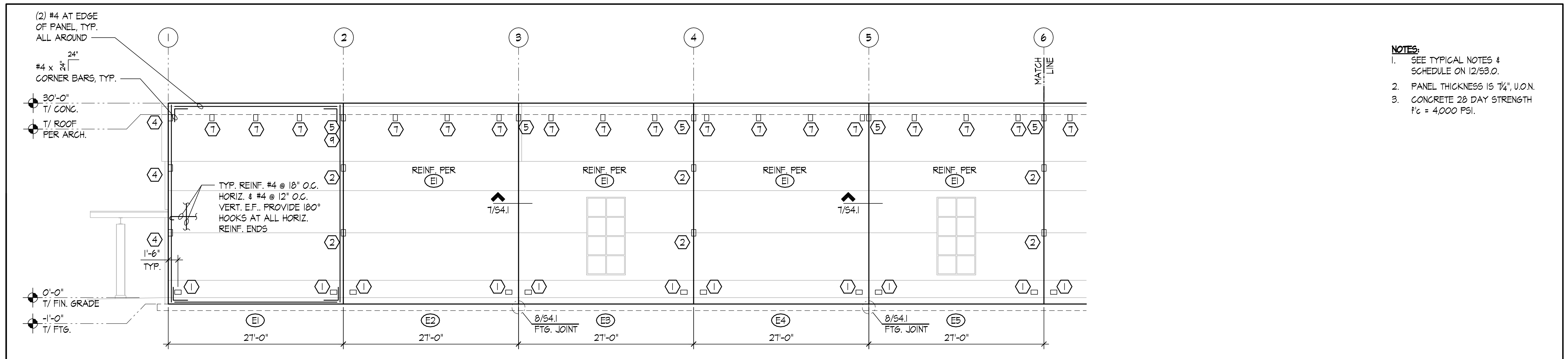
**LEGEND:**

- INDICATES METAL STUD BEARING WALL OR SHEAR WALL AT THIS LEVEL. SEE PLAN NOTES 6 & 11
- INDICATES FRAMING DIRECTION
- INDICATES EXTENT OF FRAMING
- INDICATES NON-BEARING/ NON-SHEAR WALL AT THIS LEVEL. SEE 3/56.0 FOR BOT. ATTACHMENT & 11/56.0 FOR TOP ATTACHMENT
- INDICATES METAL STUD BEARING WALL OR SHEAR WALL BELOW. SEE PLAN NOTE 7
- INDICATES HOLDOWN TYPE AT THIS LEVEL. SEE PLAN NOTE 12
- INDICATES COLUMN BELOW
- INDICATES HEADER MEMBER. SEE PLAN NOTE 10
- SW-x INDICATES SHEAR WALL TYPE AT THIS LEVEL, SEE PLAN NOTE 11
- INDICATES COLUMN, SIZE CALLED OUT AT BOTTOM OF COLUMN
- INDICATES CONCRETE TILT-UP WALL PER S2.0
- INDICATES SPREAD FOOTING SEE 12/54.2 FOR SCHEDULE

**KEY NOTES:**

- CS16 STRAP OVER TOP OF OPENING PER 7/56.1

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

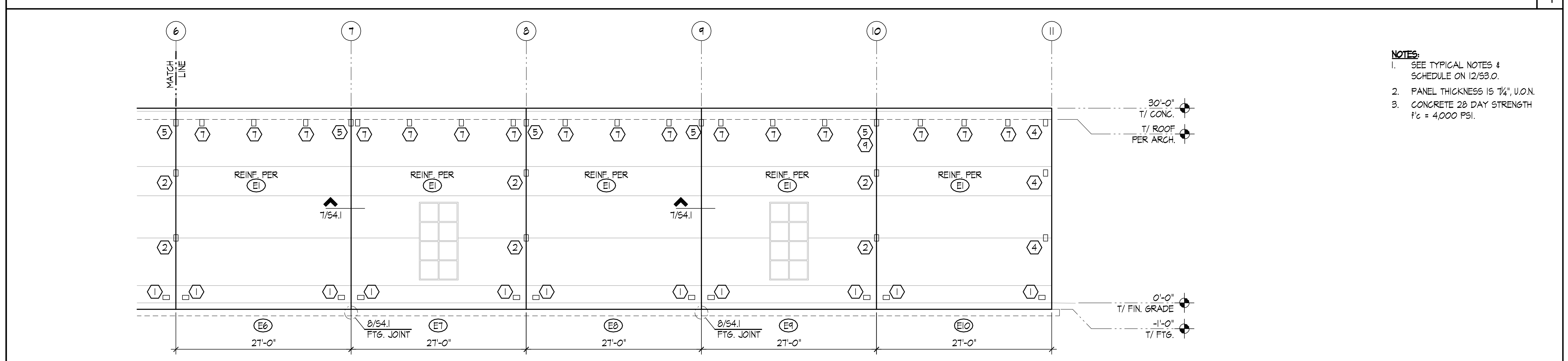


PARTIAL WEST INTERIOR ELEVATION - GRID LINE B

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

4

- NOTES:**
- SEE TYPICAL NOTES & SCHEDULE ON 12/53.0.
  - PANEL THICKNESS IS 7/4", U.O.N.
  - CONCRETE 28 DAY STRENGTH  $f'_c = 4,000$  PSI.

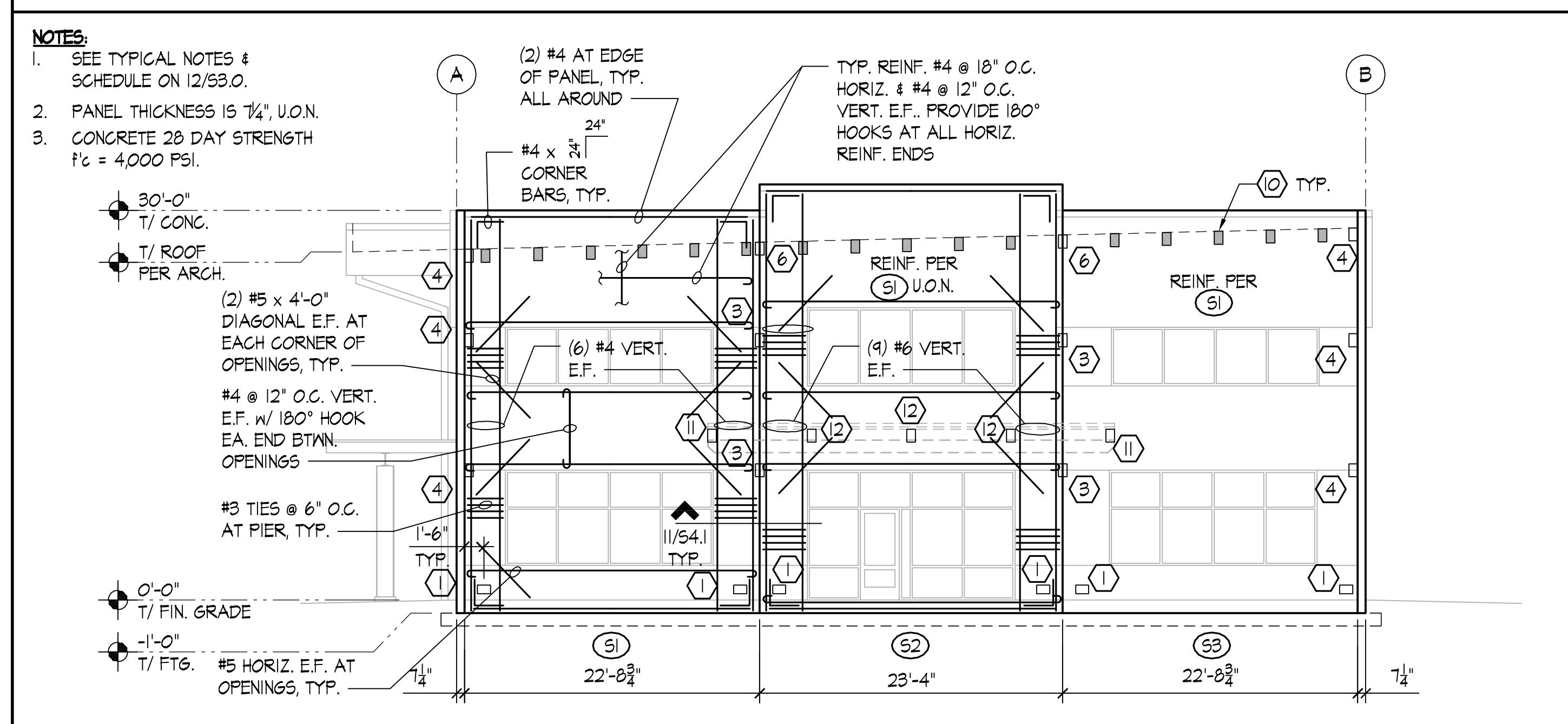


PARTIAL WEST INTERIOR ELEVATION - GRID LINE B

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

8

- NOTES:**
- SEE TYPICAL NOTES & SCHEDULE ON 12/53.0.
  - PANEL THICKNESS IS 7/4", U.O.N.
  - CONCRETE 28 DAY STRENGTH  $f'_c = 4,000$  PSI.



SOUTH INTERIOR ELEVATION - GRID LINE I

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

10

SCHEDULE			
MARK	REFERENCE SECTION	TOP OF PLATE ELEVATION	FACE OF PANEL
(1)	PER ELEVATION	VARIES (5)	EXT.
(2)	6/54.1	10'-0"/20'-0"	INT.
(3)	11/54.1	10'-0"/20'-0"	INT.
(4)	5/54.1	10'-0"/20'-0" / T.O. ROOF	INT.
(5)	10/54.1	T.O. ROOF	INT.
(6)	10/54.1 SIM.	T.O. ROOF	INT.
(7)	2/55.1	T.O. ROOF	INT.
(8)	6/55.1	T.O. ROOF	TOP
(9)	3/55.1	T.O. ROOF	INT.
(10)	4/55.1	T.O. ROOF	INT.
(11)	8/51.0	PER ARCH.	EXT.
(12)	12/51.0	PER ARCH.	EXT.
(13)	9/54.1	T.O. ROOF	INT.

SCHEDULE AND ELEVATION NOTES

SCALE: NONE

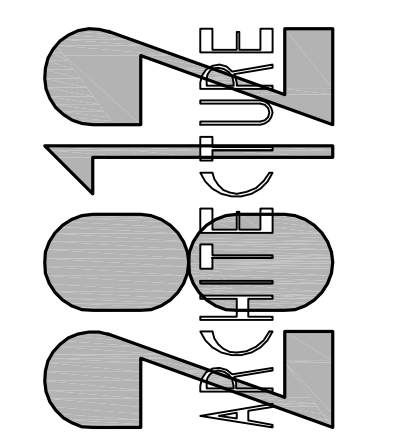
12

- TYPICAL NOTES:**
- PANEL ELEVATIONS VIEWED FROM INSIDE OF BUILDING LOOKING OUT.
  - (X) DENOTES PANEL MEMBER.  
9/4" DENOTES PANEL THICKNESS AT NON-TYPICAL PANELS (WHERE OCCURS)
  - SEE ARCH. DWGS. FOR LOCATION & SIZE OF REVEALS.
  - (X) DENOTES EMBED LOCATED ON FACE OF WALL, SEE SCHEDULE.
  - CONTRACTOR SHALL COORDINATE TOP OF PLATE ELEVATION PRIOR TO INSTALLATION. BOT. OF EMBED PLATE SHALL BE LOCATED 6" MIN. ABOVE TOP OF FOOTING PER 1/54.1, U.O.N.

For:	PERMIT SET	BUILDING PERMIT RESUBMITTAL
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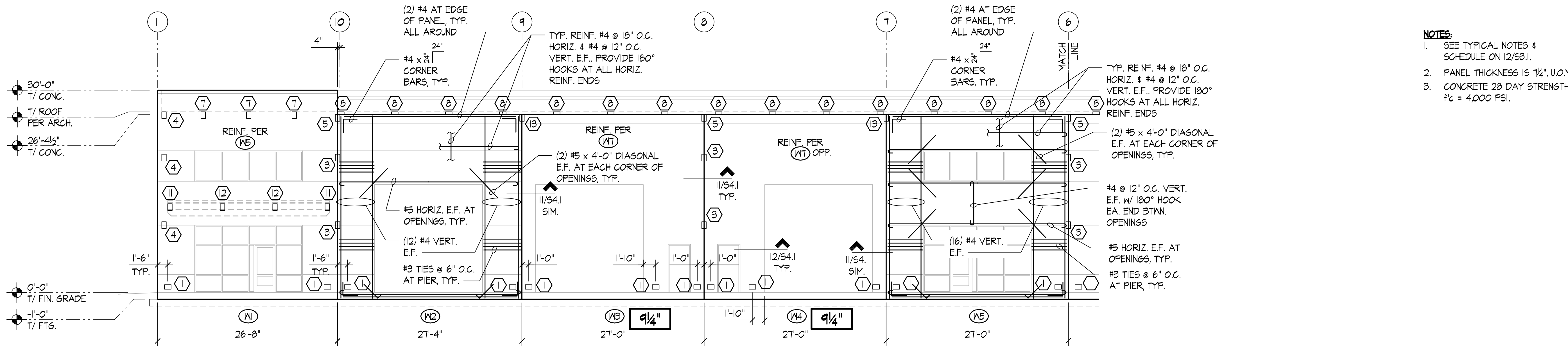


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Interior Elevations  
Drawing: **S3.0**  
Job Number: 22607.01

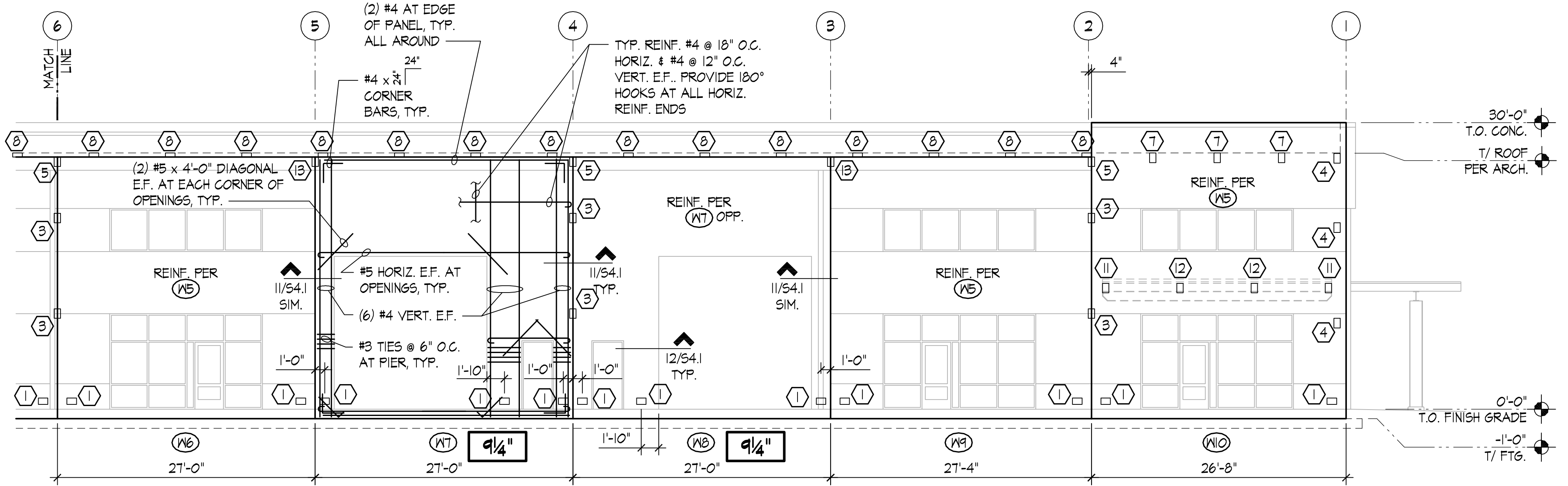


- NOTES:**
- SEE TYPICAL NOTES & SCHEDULE ON 12/53.1.
  - PANEL THICKNESS IS 7/8", U.O.N.
  - CONCRETE 28 DAY STRENGTH  $f_c = 4000$  PSI.

PARTIAL EAST INTERIOR ELEVATION - GRID LINE A

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

4

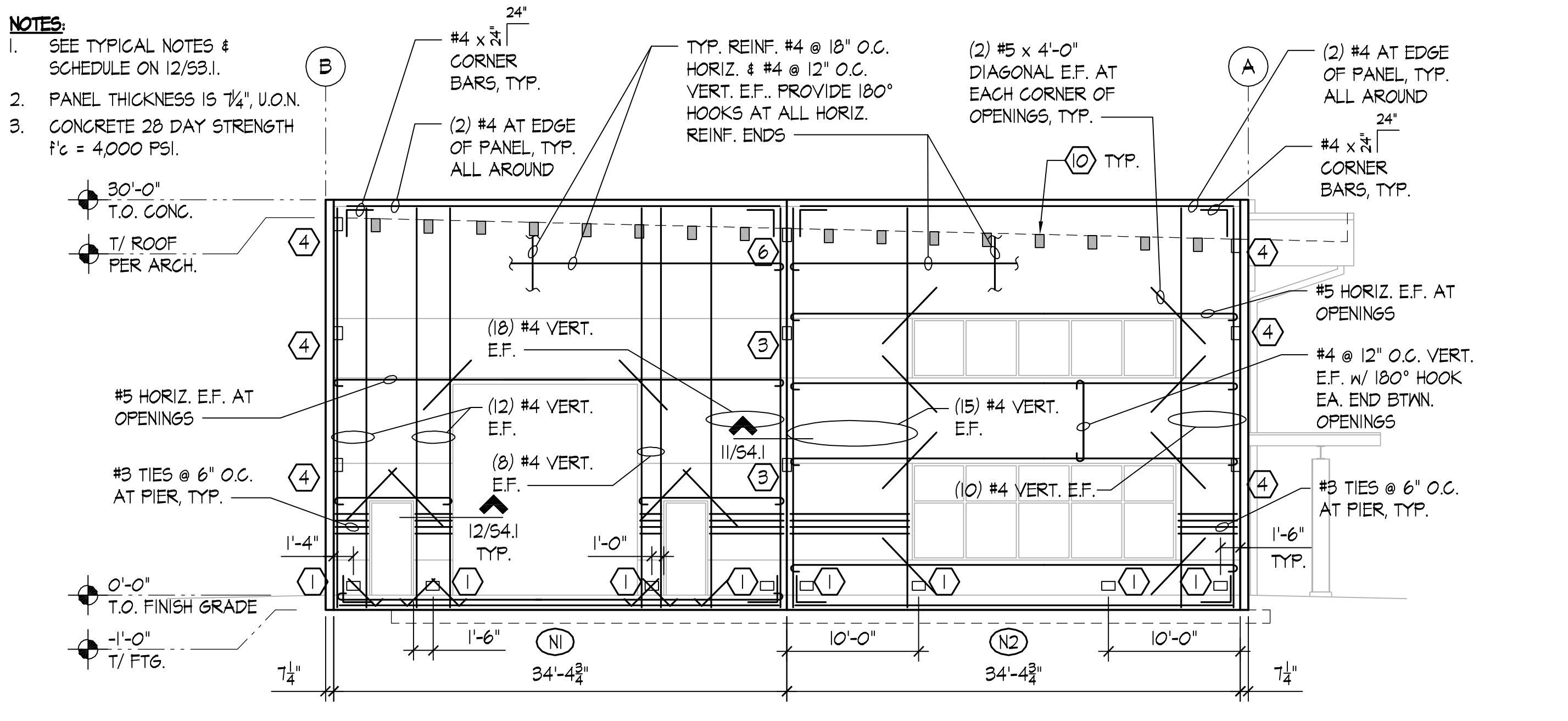


- NOTES:**
- SEE TYPICAL NOTES & SCHEDULE ON 12/53.1.
  - PANEL THICKNESS IS 7/8", U.O.N.
  - CONCRETE 28 DAY STRENGTH  $f_c = 4000$  PSI.

PARTIAL EAST INTERIOR ELEVATION - GRID LINE A

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

8



- NOTES:**
- SEE TYPICAL NOTES & SCHEDULE ON 12/53.1.
  - PANEL THICKNESS IS 7/8", U.O.N.
  - CONCRETE 28 DAY STRENGTH  $f_c = 4000$  PSI.

NORTH INTERIOR ELEVATION - GRID LINE II

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

10

SCHEDULE			
MARK	REFERENCE SECTION	TOP OF PLATE ELEVATION	FACE OF PANEL
(1)	PER ELEVATION	VARIABLE (5)	EXT.
(2)	6/54.1	10'-0"/20'-0"	INT.
(3)	11/54.1	10'-0"/20'-0"	INT.
(4)	5/54.1	10'-0"/20'-0" / T.O. ROOF	INT.
(5)	10/54.1	T.O. ROOF	INT.
(6)	10/54.1 SIM.	T.O. ROOF	INT.
(7)	2/55.1	T.O. ROOF	INT.
(8)	6/55.1	T.O. ROOF	TOP
(9)	3/55.1	T.O. ROOF	INT.
(10)	4/55.1	T.O. ROOF	INT.
(11)	8/51.0	PER ARCH.	EXT.
(12)	12/51.0	PER ARCH.	EXT.
(13)	9/54.1	T.O. ROOF	INT.

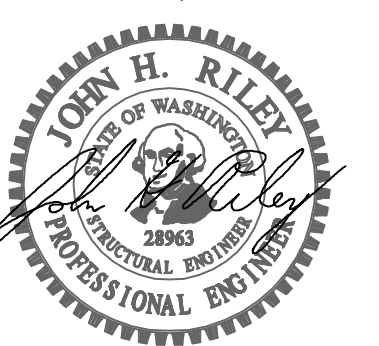
- TYPICAL NOTES:**
- PANEL ELEVATIONS VIEWED FROM INSIDE OF BUILDING LOOKING OUT.
  - (X) DENOTES PANEL MEMBER.  
9/8" DENOTES PANEL THICKNESS AT NON-TYPICAL PANELS (WHERE OCCURS)
  - SEE ARCH. DWGS. FOR LOCATION & SIZE OF REVEALS.
  - (X) DENOTES EMBED LOCATED ON FACE OF WALL, SEE SCHEDULE.
  - CONTRACTOR SHALL COORDINATE TOP OF PLATE ELEVATION PRIOR TO INSTALLATION. BOT. OF EMBED PLATE SHALL BE LOCATED 6" MIN. ABOVE TOP OF FOOTING PER 1/54.1, U.O.N.

SCHEDULE AND ELEVATION NOTES

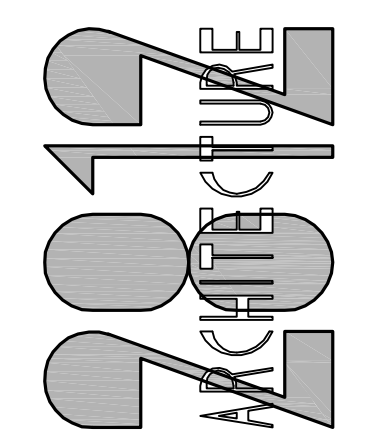
SCALE: NONE

12

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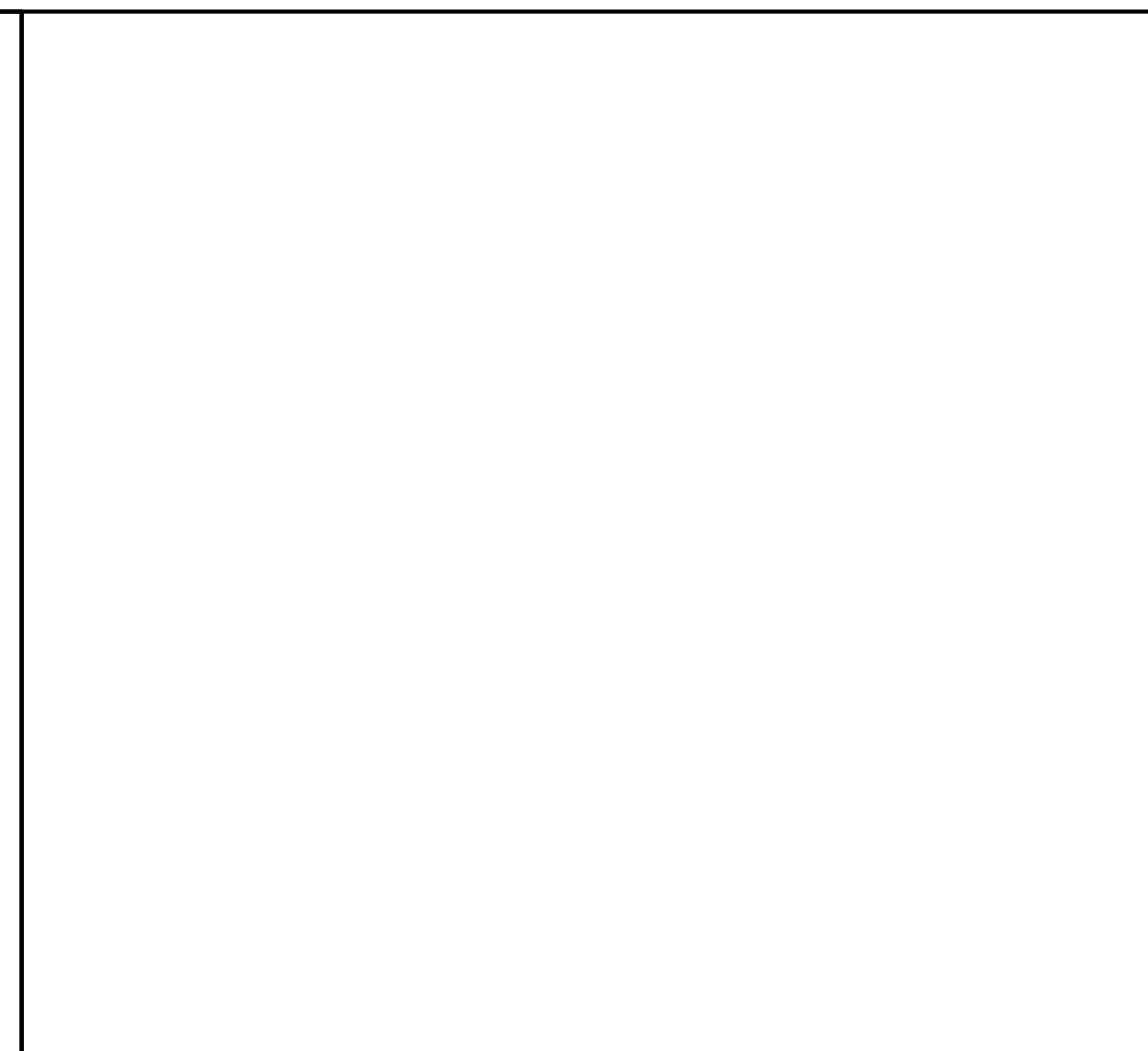
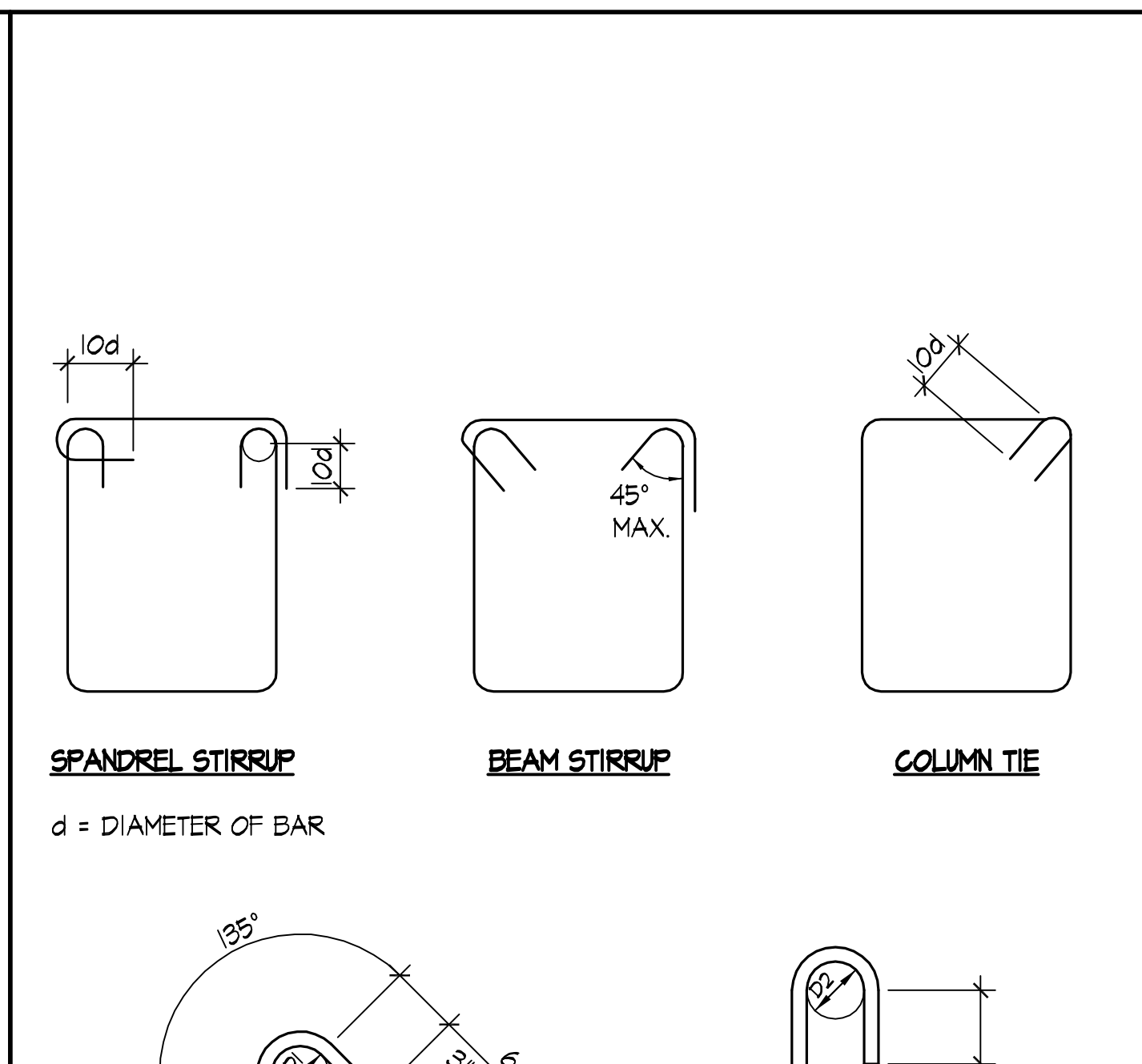
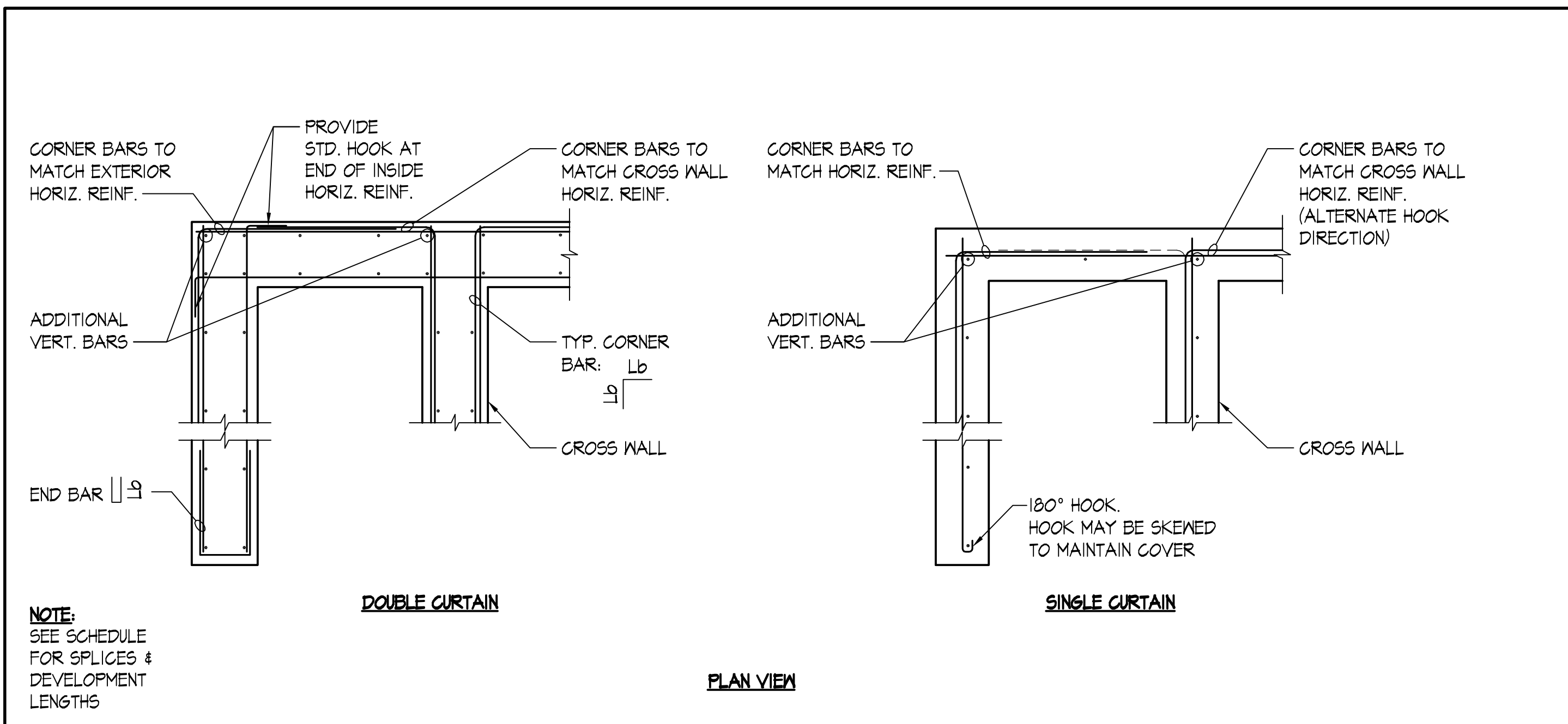


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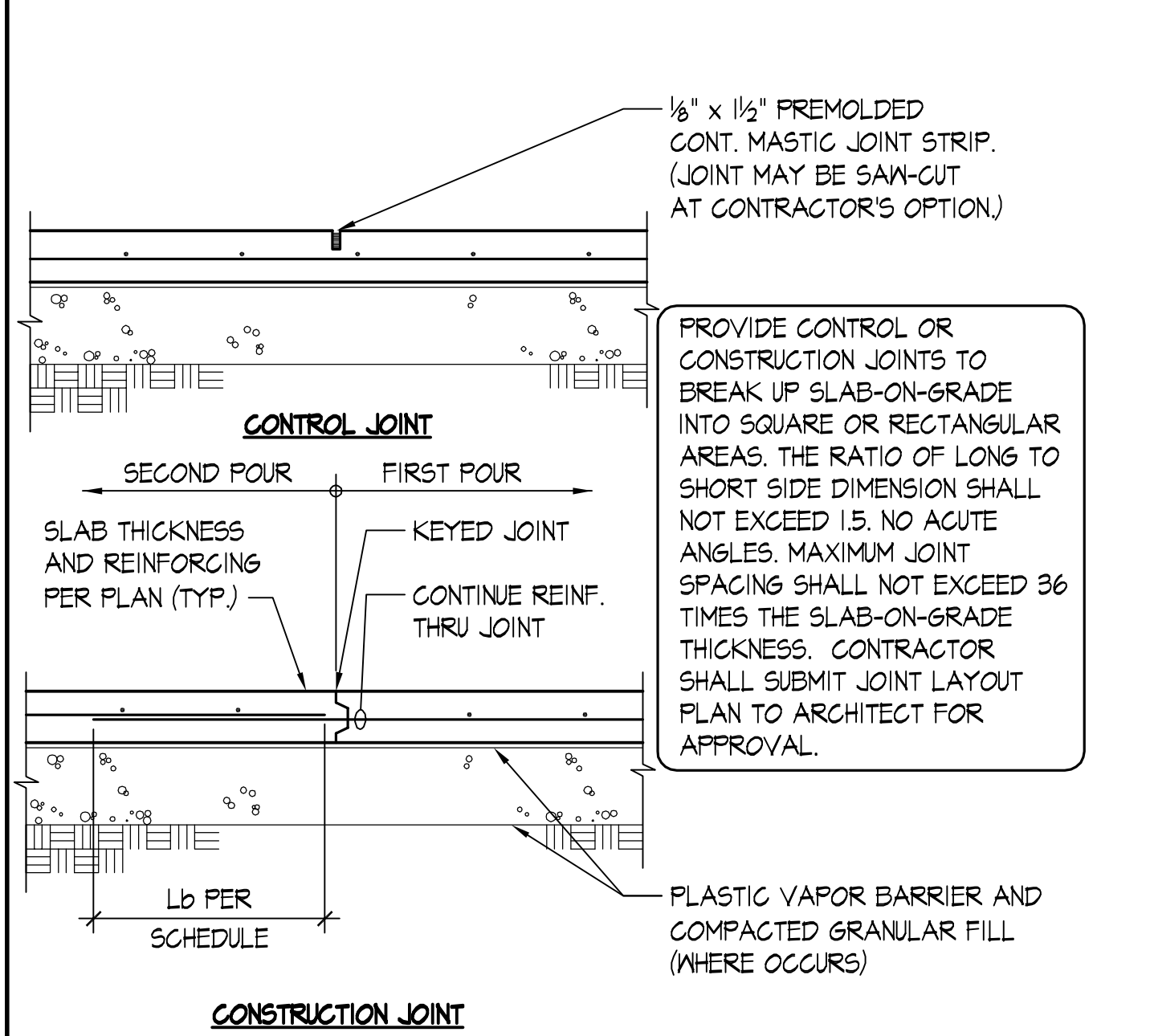
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**KING INDUSTRIAL**  
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Interior Elevations  
Drawing:  
**S3.1**  
Job Number:  
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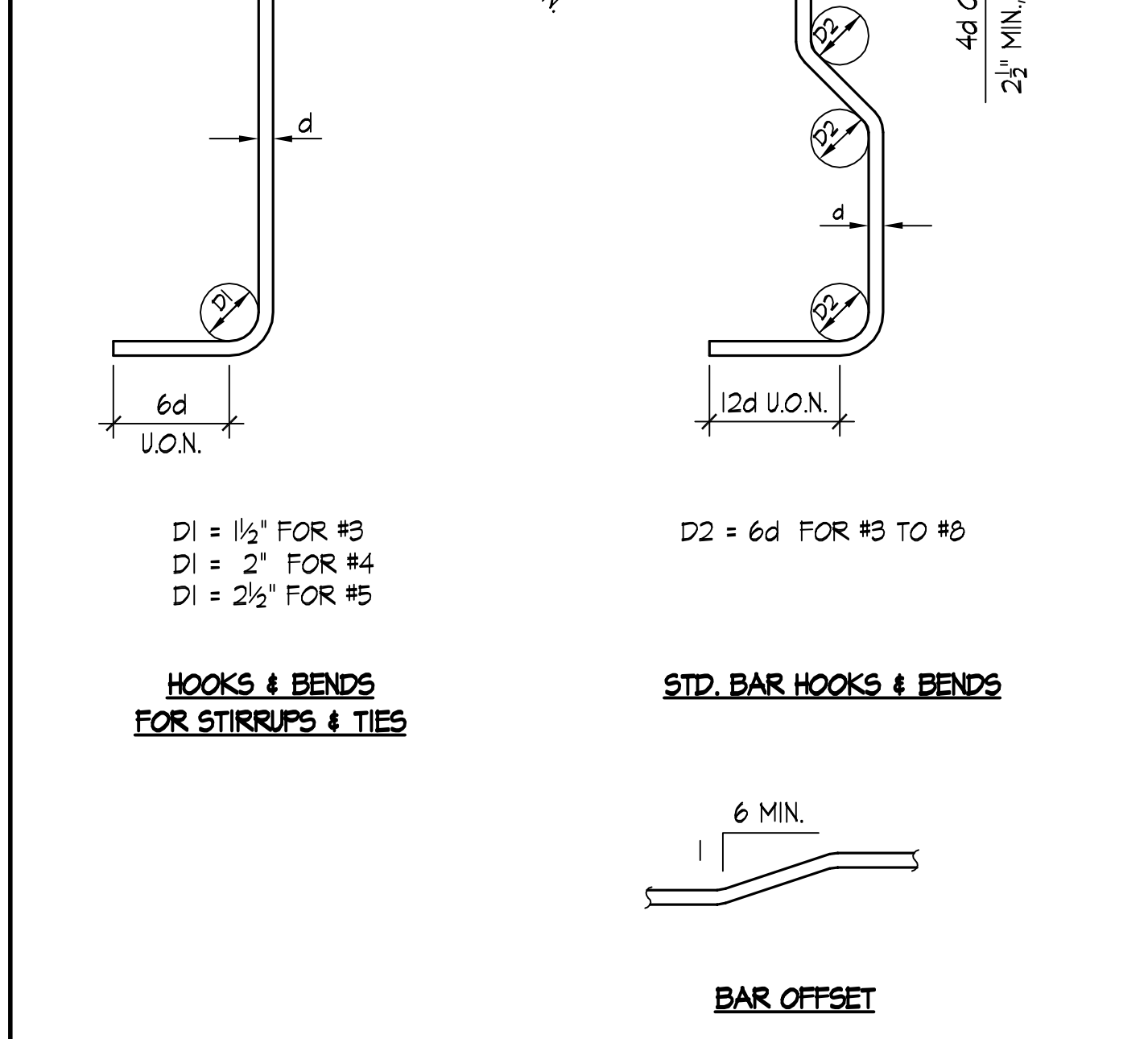


TYPICAL CORNER AND WALL END BAR ARRANGEMENT AT CONCRETE WALLS OR FOOTINGS SCALE: NONE 2

DETAIL SCALE: NONE 4



PROVIDE CONTROL OR CONSTRUCTION JOINTS TO BREAK UP SLAB-ON-GRADE INTO SQUARE OR RECTANGULAR AREAS. THE RATIO OF LONG TO SHORT SIDE DIMENSION SHALL NOT EXCEED 1.5. NO ACUTE ANGLES. MAXIMUM JOINT SPACING SHALL NOT EXCEED 36 TIMES THE SLAB-ON-GRADE THICKNESS. CONTRACTOR SHALL SUBMIT JOINT LAYOUT PLAN TO ARCHITECT FOR APPROVAL.



**REINFORCING SPLICE AND DEVELOPMENT LENGTH SCHEDULE**  
(FOR GRADE 60, UNCOATED BARS, NORMAL WEIGHT CONCRETE)

① MINIMUM STRAIGHT DEVELOPMENT LENGTH FOR BARS IN TENSION ( $L_d$ )

BAR SIZE	$f'_c = 3000$ PSI		$f'_c = 4000$ PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
# 3	21"	16"	18"	14"
# 4	28"	22"	25"	19"
# 5	36"	27"	31"	24"
# 6	43"	33"	37"	28"

NOTE: "TOP BARS" ARE HORIZONTAL BARS w/ MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM. IF CLEAR CONCRETE COVER IS NOT GREATER THAN THE DIAMETER OF THE BAR OR THE CENTER TO CENTER SPACING IS NOT GREATER THAN 2 BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 50%.

② MINIMUM CLASS "B" LAP SPLICE LENGTH FOR BARS IN TENSION ( $L_b$ )

BAR SIZE	$f'_c = 3000$ PSI		$f'_c = 4000$ PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
# 3	28"	21"	24"	18"
# 4	37"	28"	32"	25"
# 5	46"	36"	40"	31"
# 6	56"	43"	48"	37"

NOTE: "TOP BARS" IN BEAMS ARE HORIZONTAL BARS w/ MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM. IF CLEAR CONCRETE COVER IS NOT GREATER THAN THE DIAMETER OF THE BAR OR THE CENTER TO CENTER SPACING IS NOT GREATER THAN 2 BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 50%.

③ MINIMUM EMBEDMENT LENGTHS FOR STANDARD END HOOKS ( $L_{dh}$ )

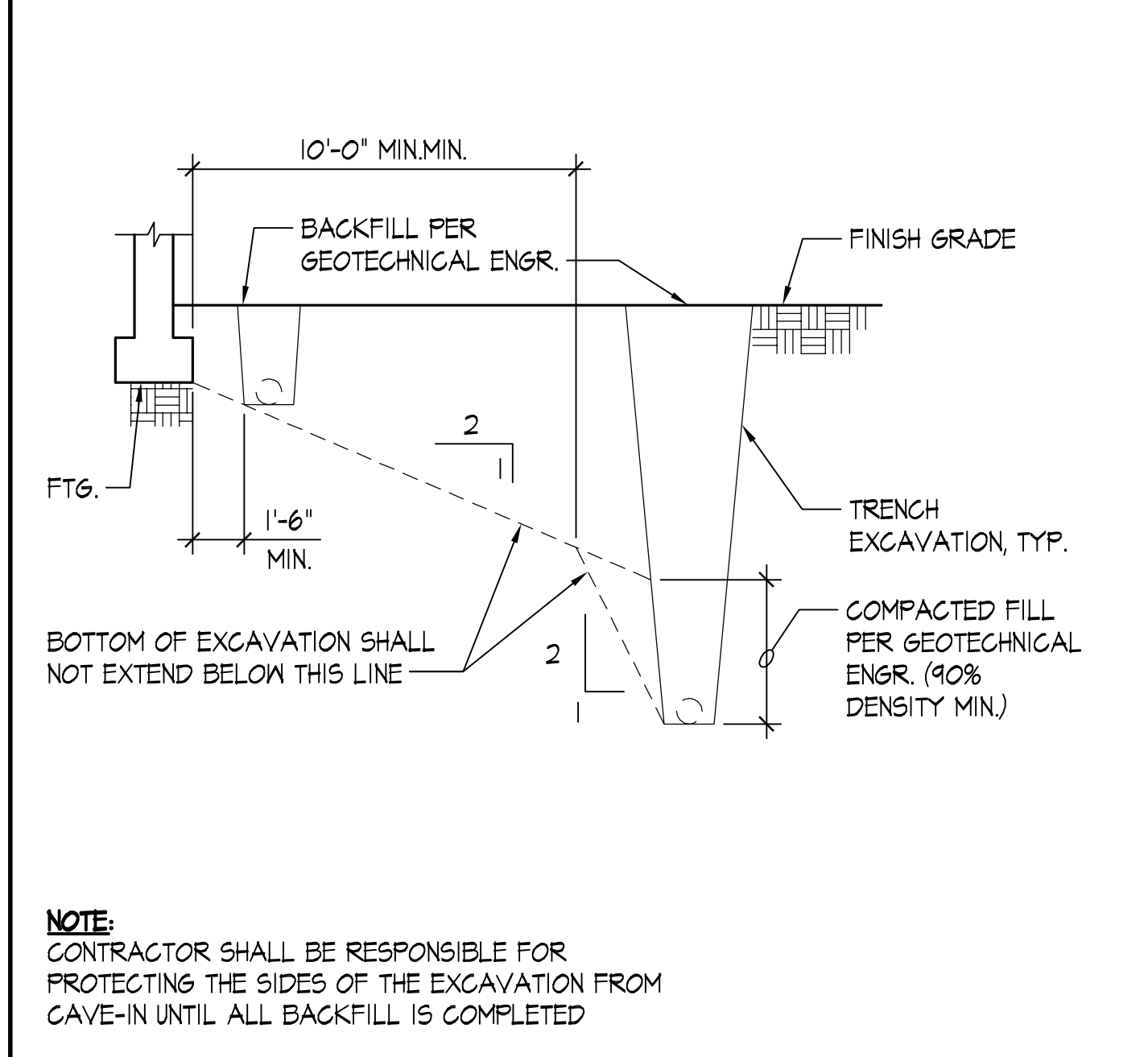
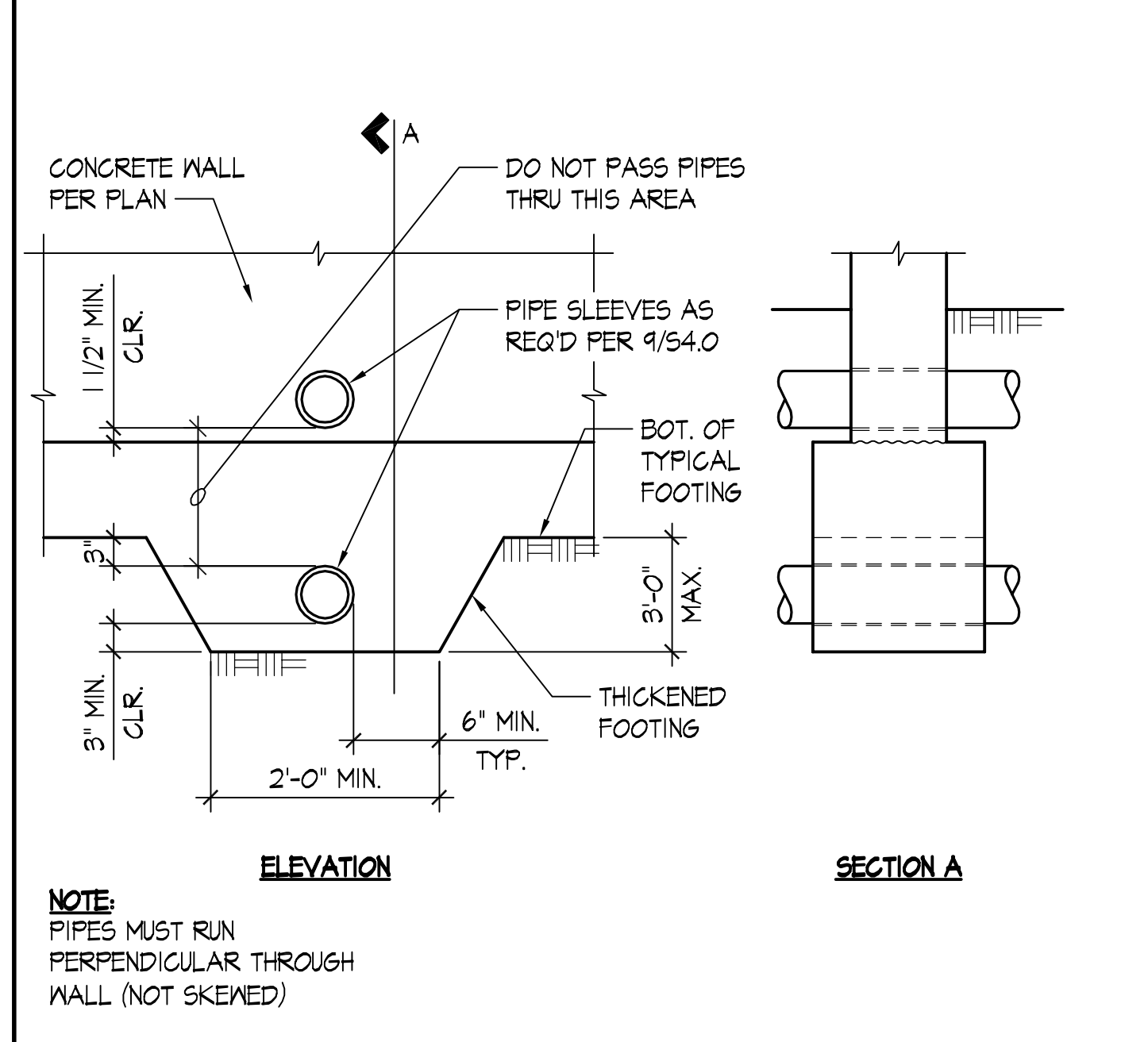
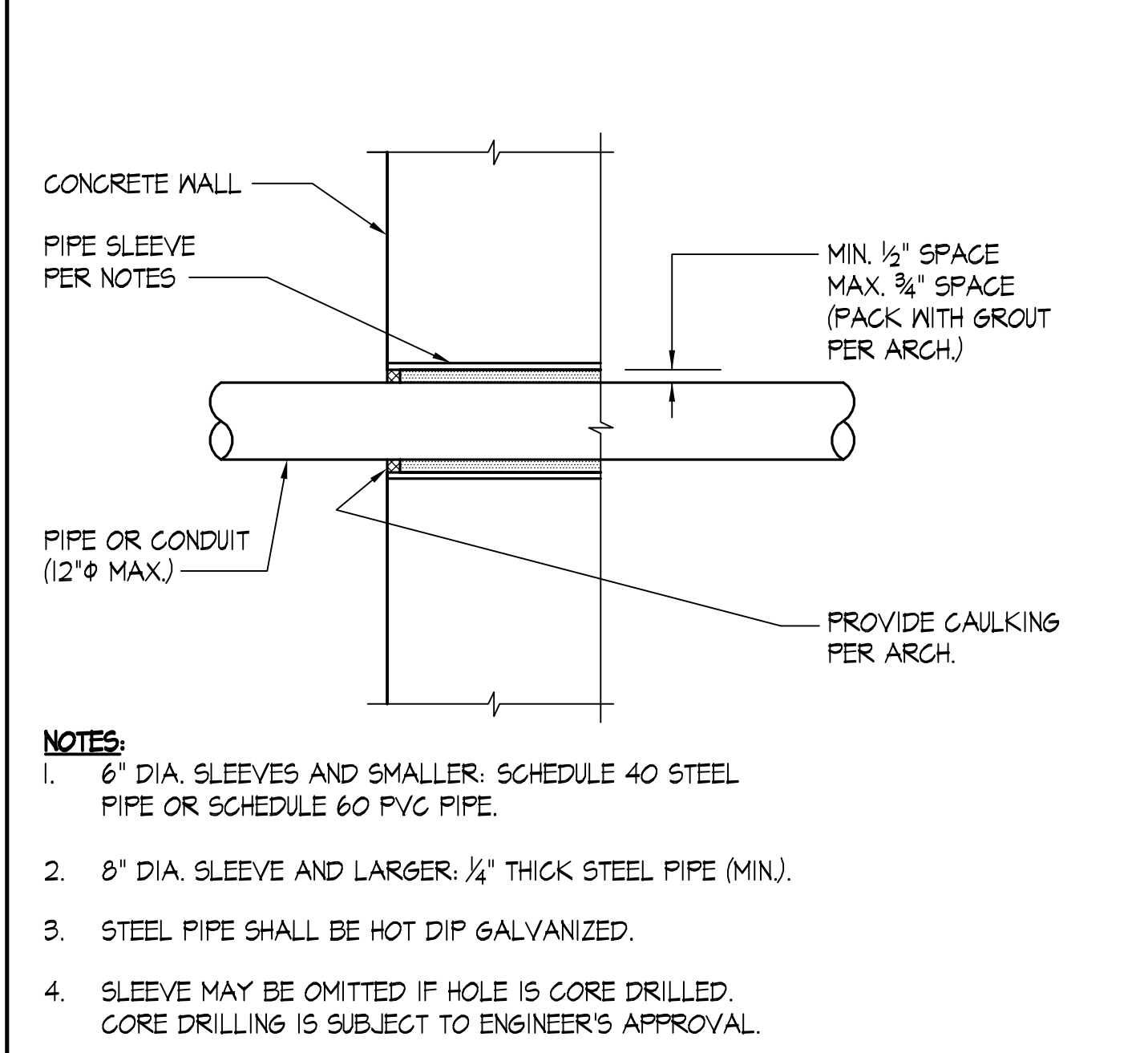
BAR SIZE	$f'_c = 3000$ PSI		$f'_c = 4000$ PSI	
	ALL BARS	ALL BARS	ALL BARS	ALL BARS
# 3	6"	6"	6"	6"
# 4	8"	7"	7"	7"
# 5	10"	8"	8"	8"
# 6	12"	10"	10"	10"

NOTE: IF SIDE COVER IS NOT EQUAL TO OR GREATER THAN  $2d$  AND/OR END COVER FOR HOOKS IS NOT EQUAL TO OR GREATER THAN  $2d$ , THEN VALUES SHALL BE INCREASED BY 43%.

TYPICAL SLAB-ON-GRADE JOINTS SCALE: NONE 5

DETAIL SCALE: NONE 6

TYPICAL REBAR BENDS SCALE: NONE 7



TYPICAL SLEEVE INSTALLATION THRU WALL SCALE: NONE 9

TYPICAL PIPE INSTALLATION PERPENDICULAR TO FOOTING SCALE: NONE 10

TYPICAL TRENCH EXCAVATION PARALLEL TO FOOTING SCALE: NONE 11

③ MINIMUM EMBEDMENT LENGTHS FOR STANDARD END HOOKS ( $L_{dh}$ )

BAR SIZE	$f'_c = 3000$ PSI		$f'_c = 4000$ PSI	
	ALL BARS	ALL BARS	ALL BARS	ALL BARS
# 3	6"	6"	6"	6"
# 4	8"	7"	7"	7"
# 5	10"	8"	8"	8"
# 6	12"	10"	10"	10"

NOTE: IF SIDE COVER IS NOT EQUAL TO OR GREATER THAN  $2d$  AND/OR END COVER FOR HOOKS IS NOT EQUAL TO OR GREATER THAN  $2d$ , THEN VALUES SHALL BE INCREASED BY 43%.

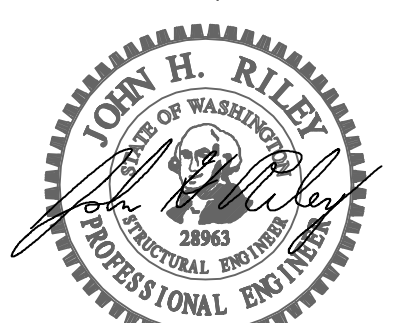
TYPICAL SLEEVE INSTALLATION THRU WALL SCALE: NONE 9

TYPICAL PIPE INSTALLATION PERPENDICULAR TO FOOTING SCALE: NONE 10

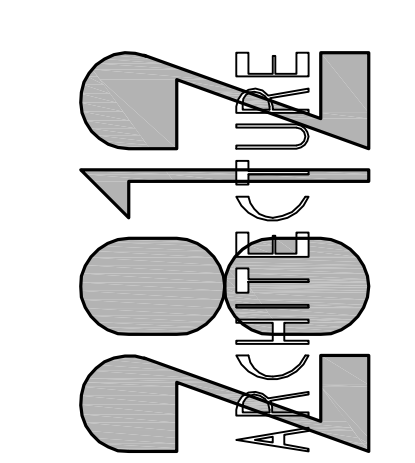
TYPICAL TRENCH EXCAVATION PARALLEL TO FOOTING SCALE: NONE 11

TYPICAL SPLICE SCHEDULE SCALE: NONE 12

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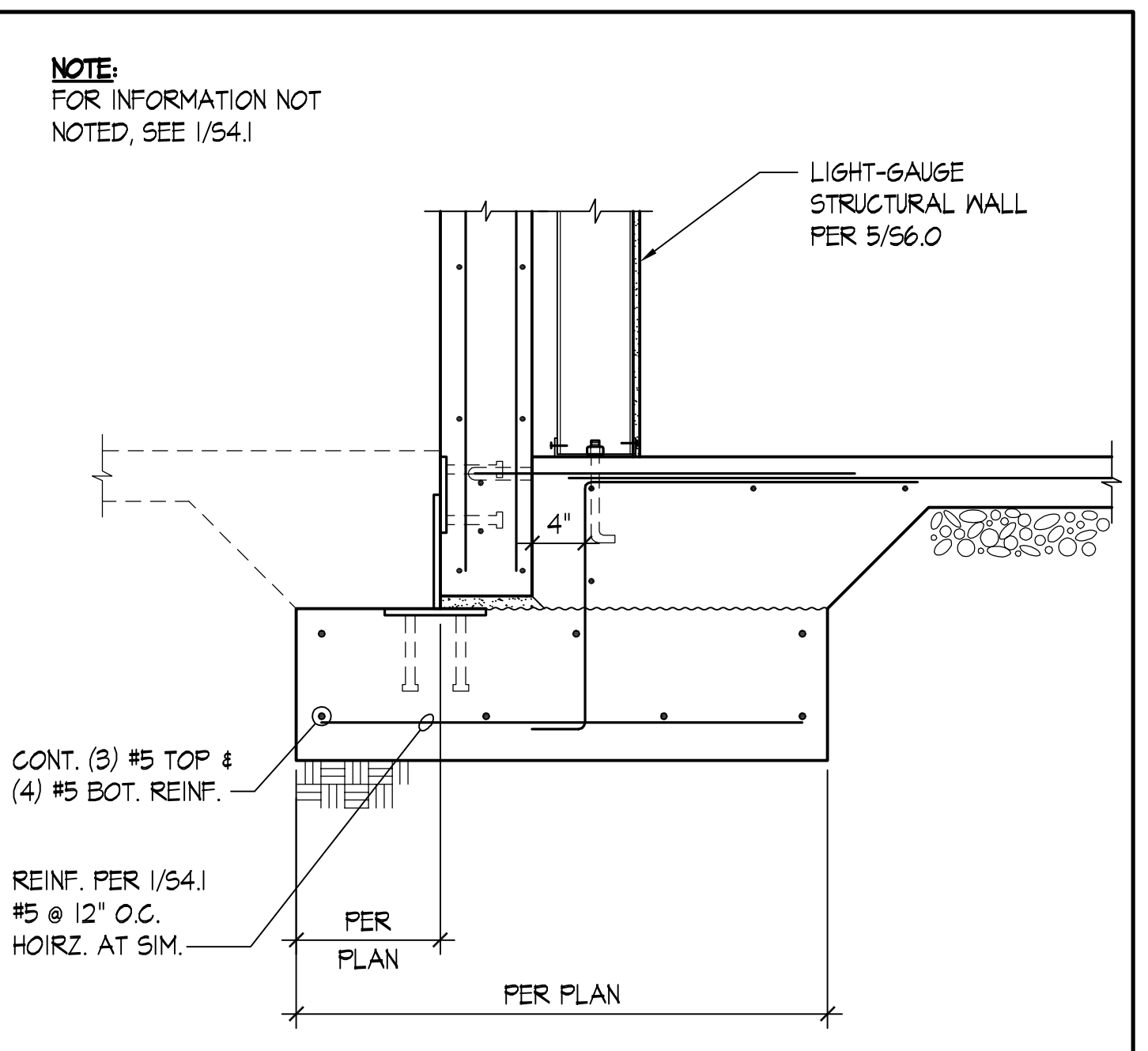
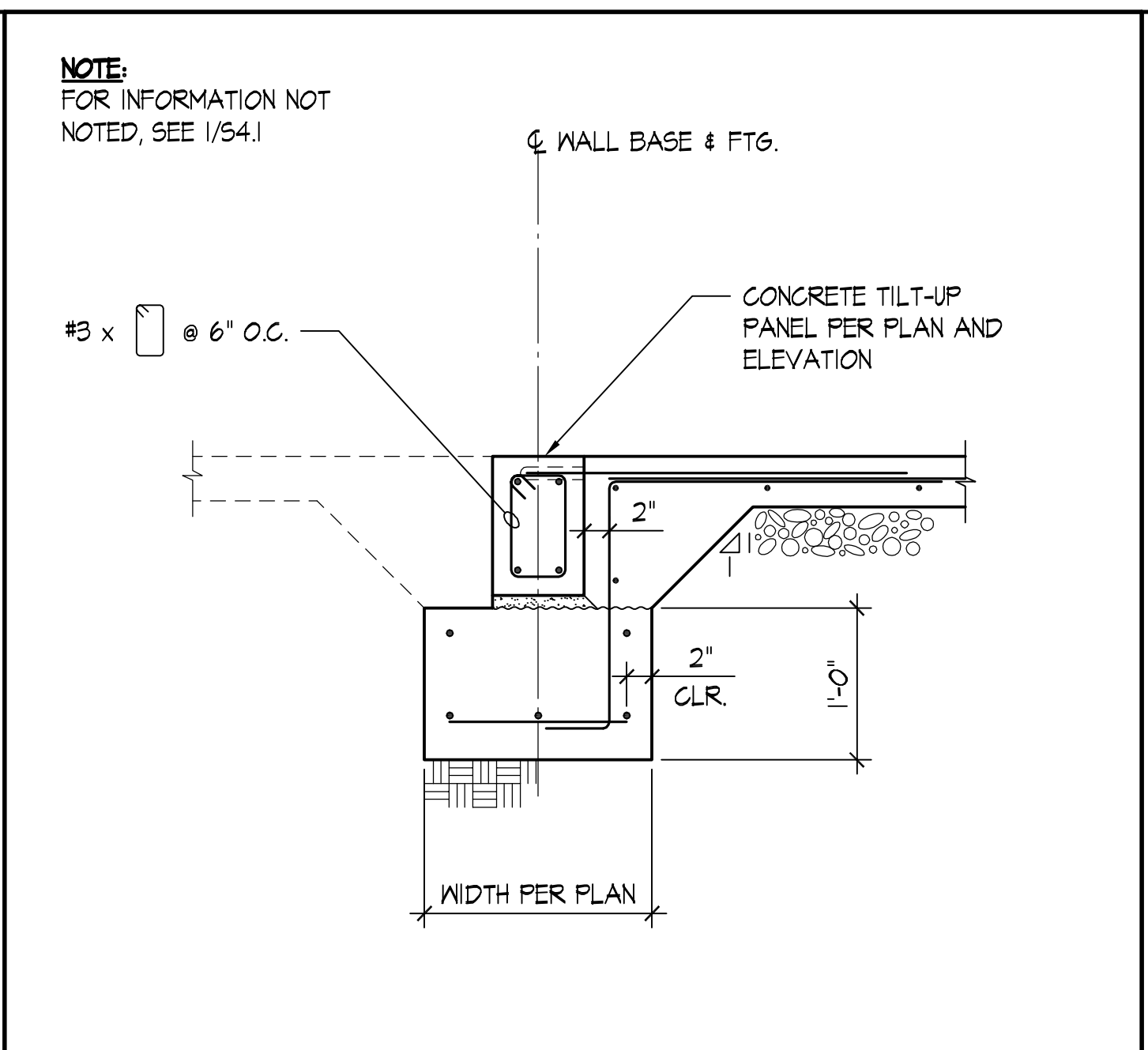
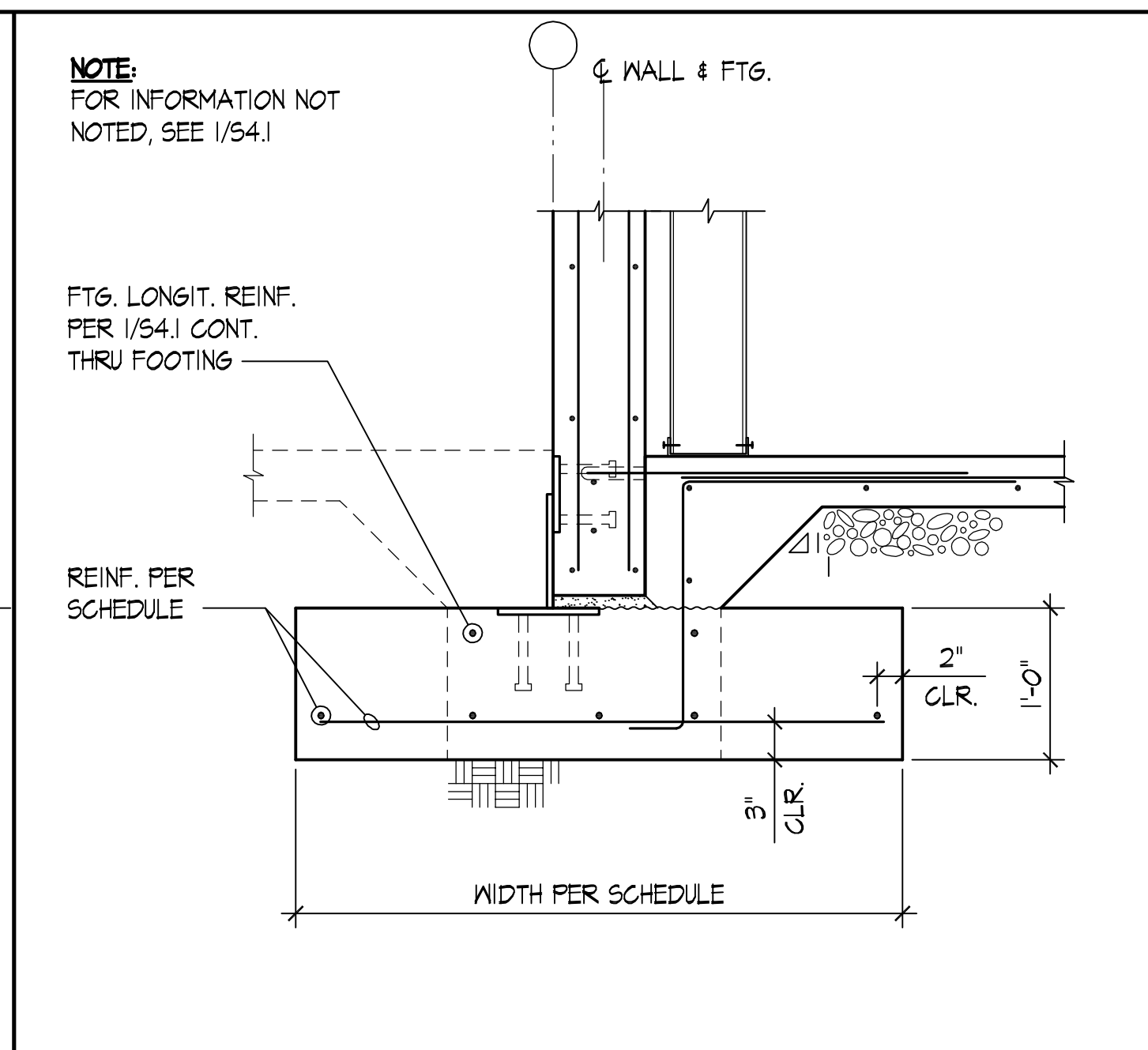
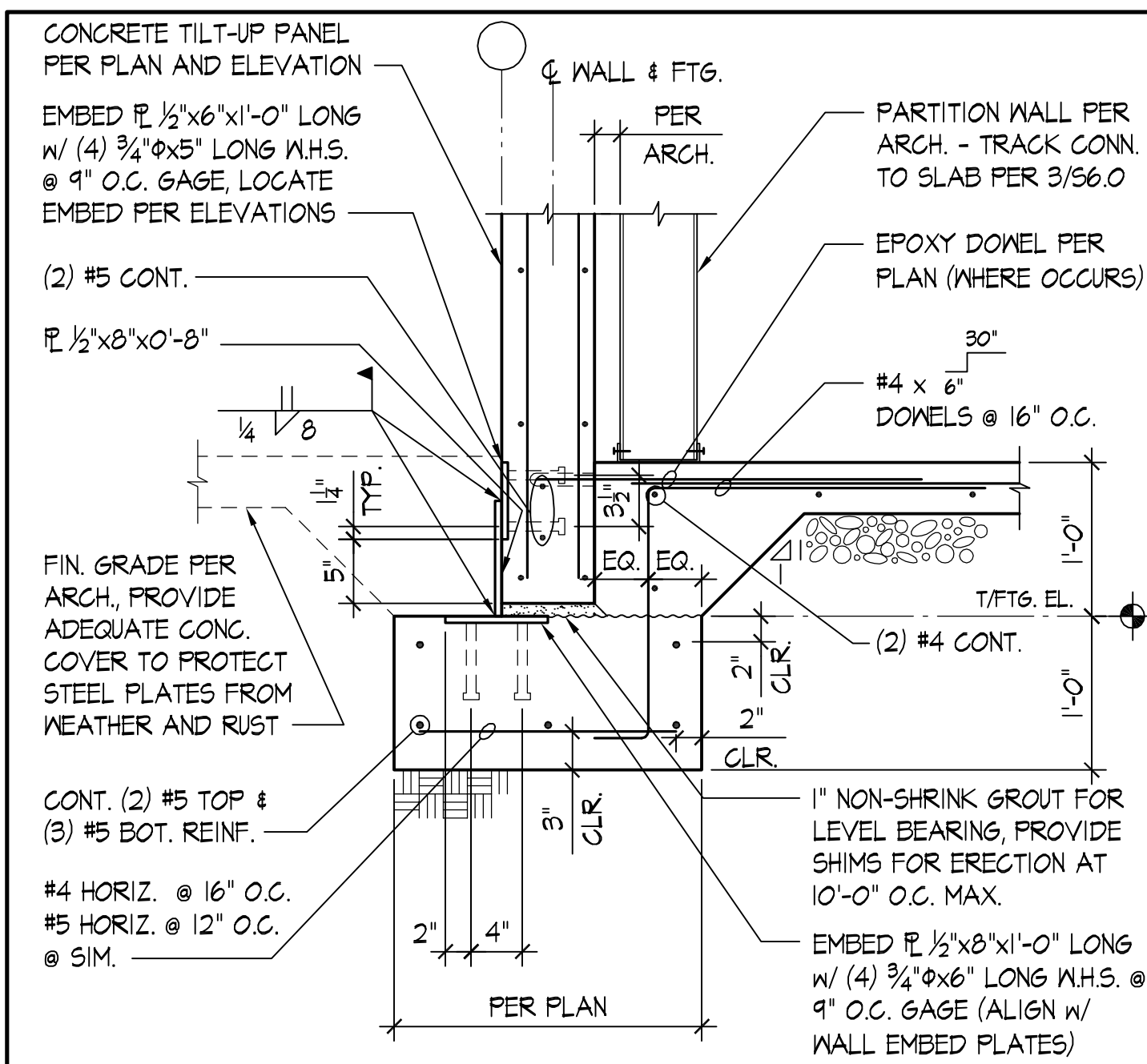


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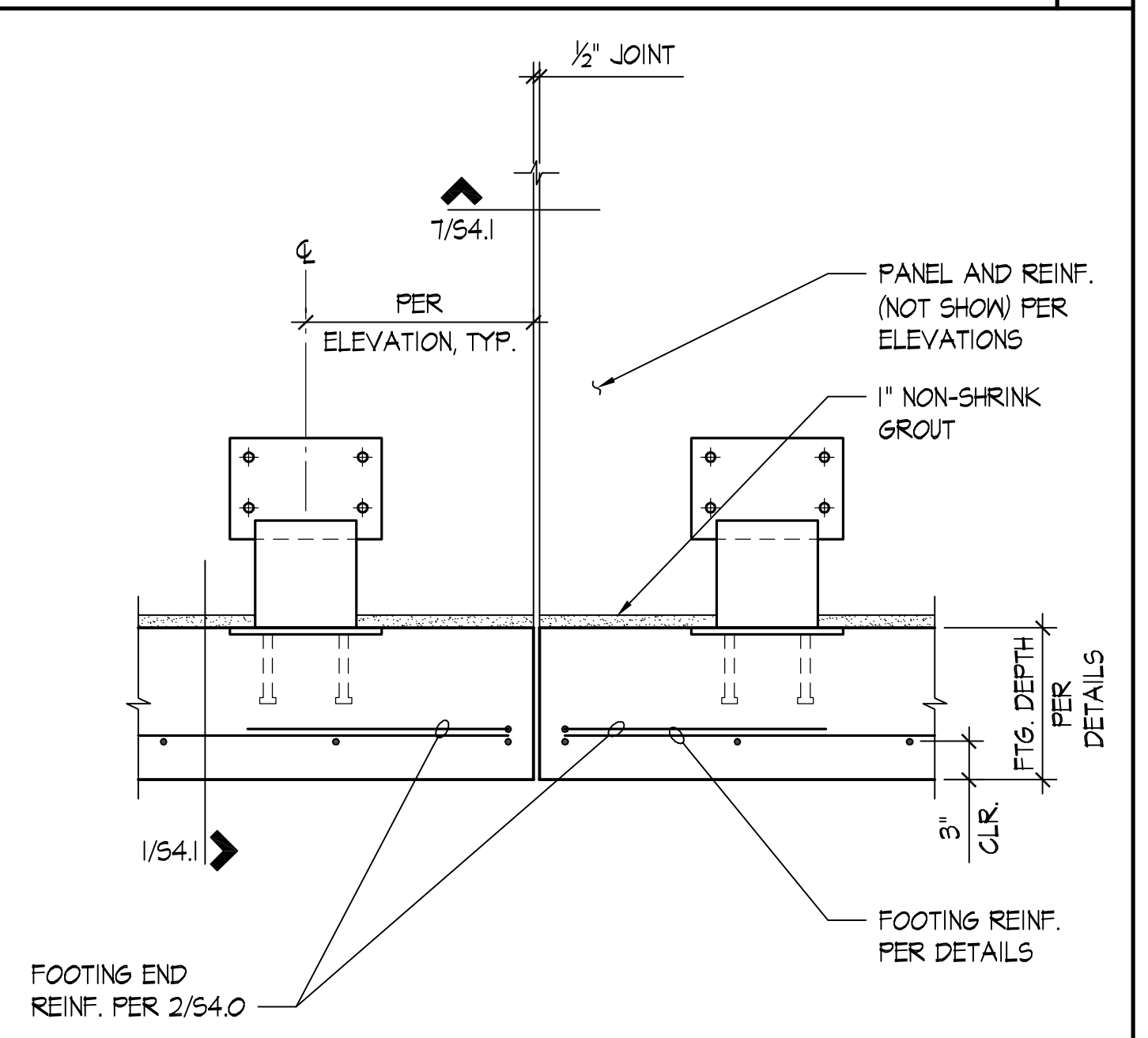
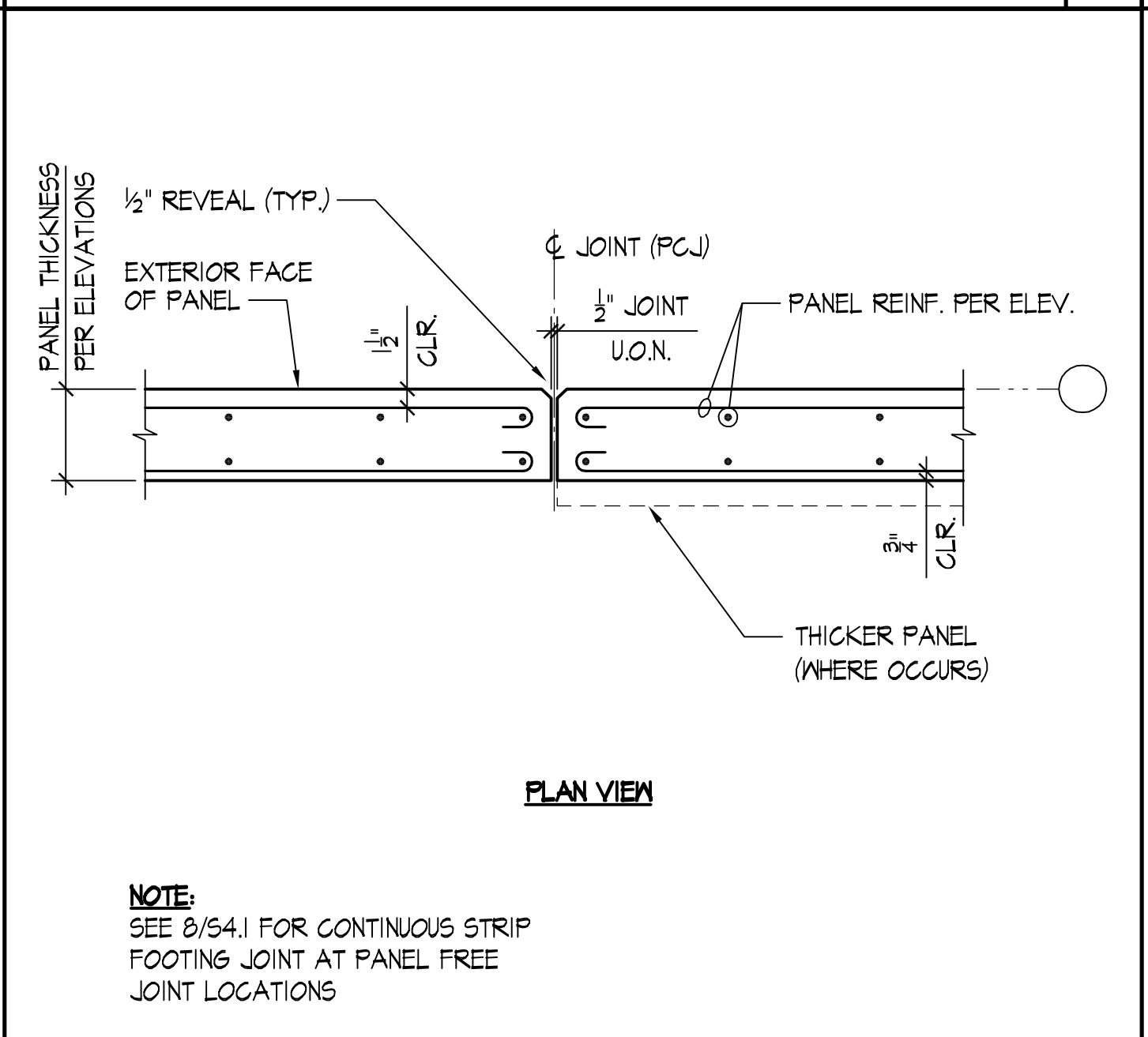
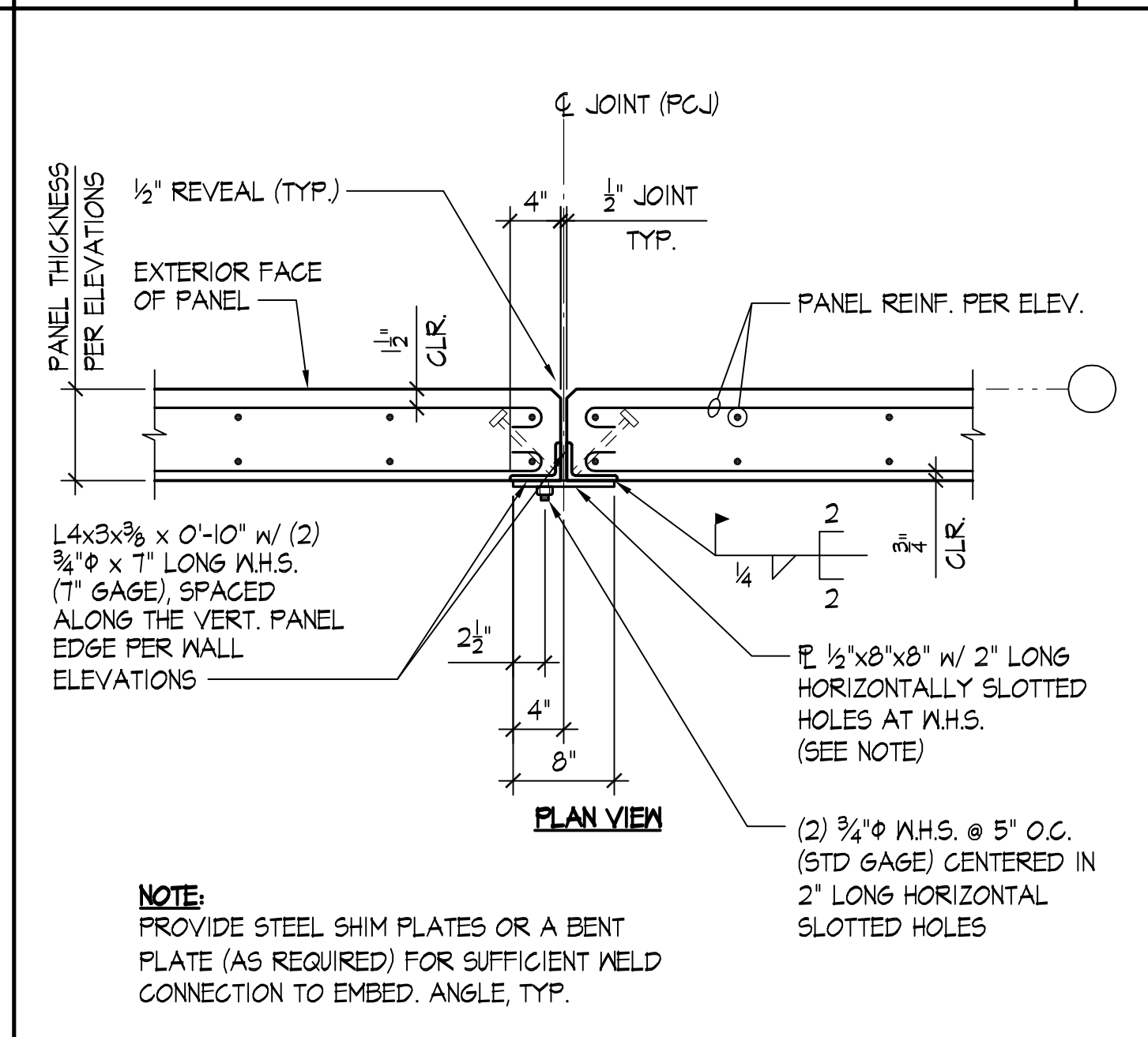
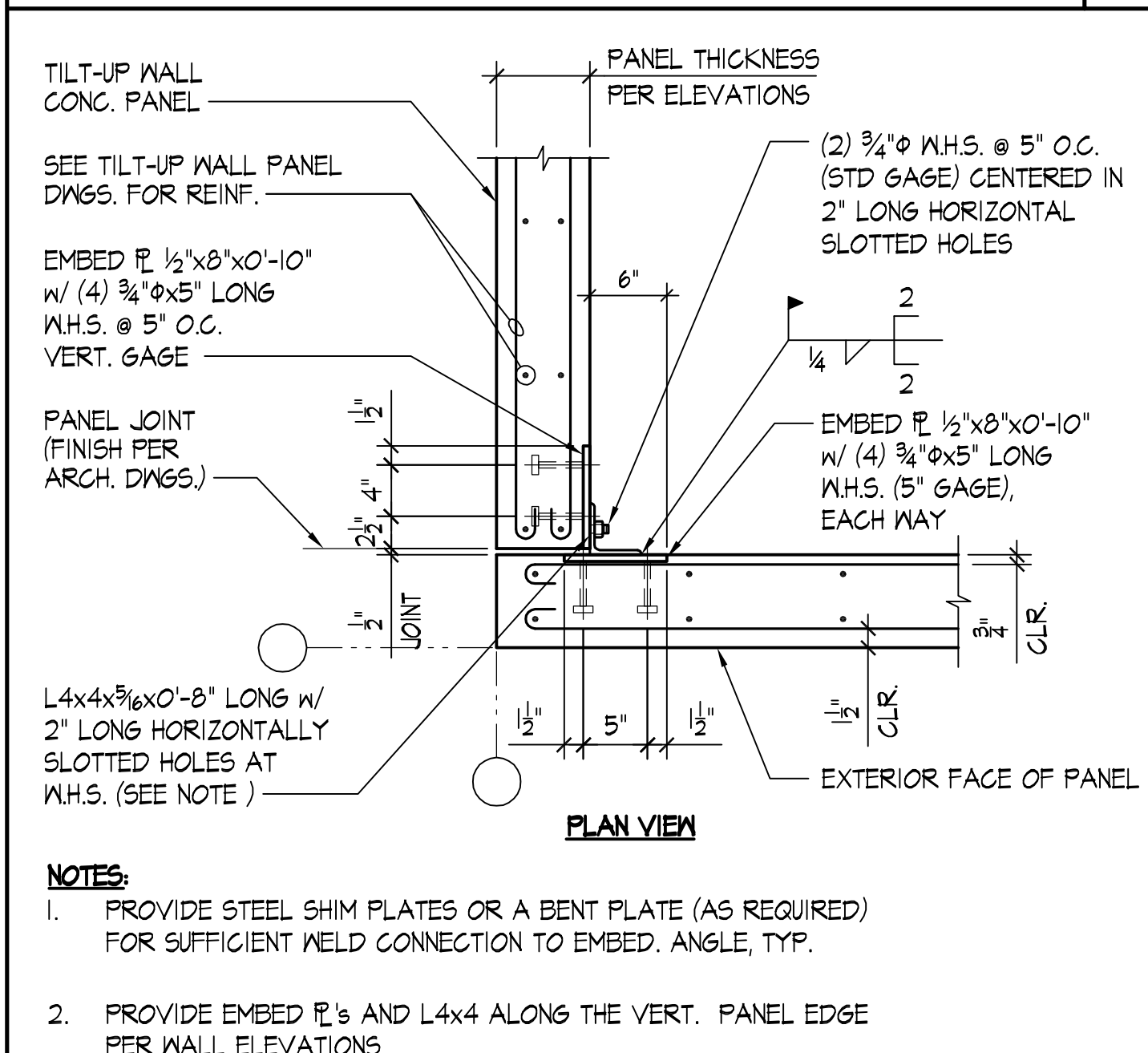


TYPICAL PERIMETER FOOTING AT CONCRETE PANEL SCALE: NONE 1

TYPICAL PIER FOOTING AT CONCRETE PANEL SCALE: NONE 2

TYPICAL PERIMETER FOOTING AT CONCRETE PANEL OPENING SCALE: NONE 3

PERIMETER FOOTING AT MEZZANINE SCALE: NONE 4

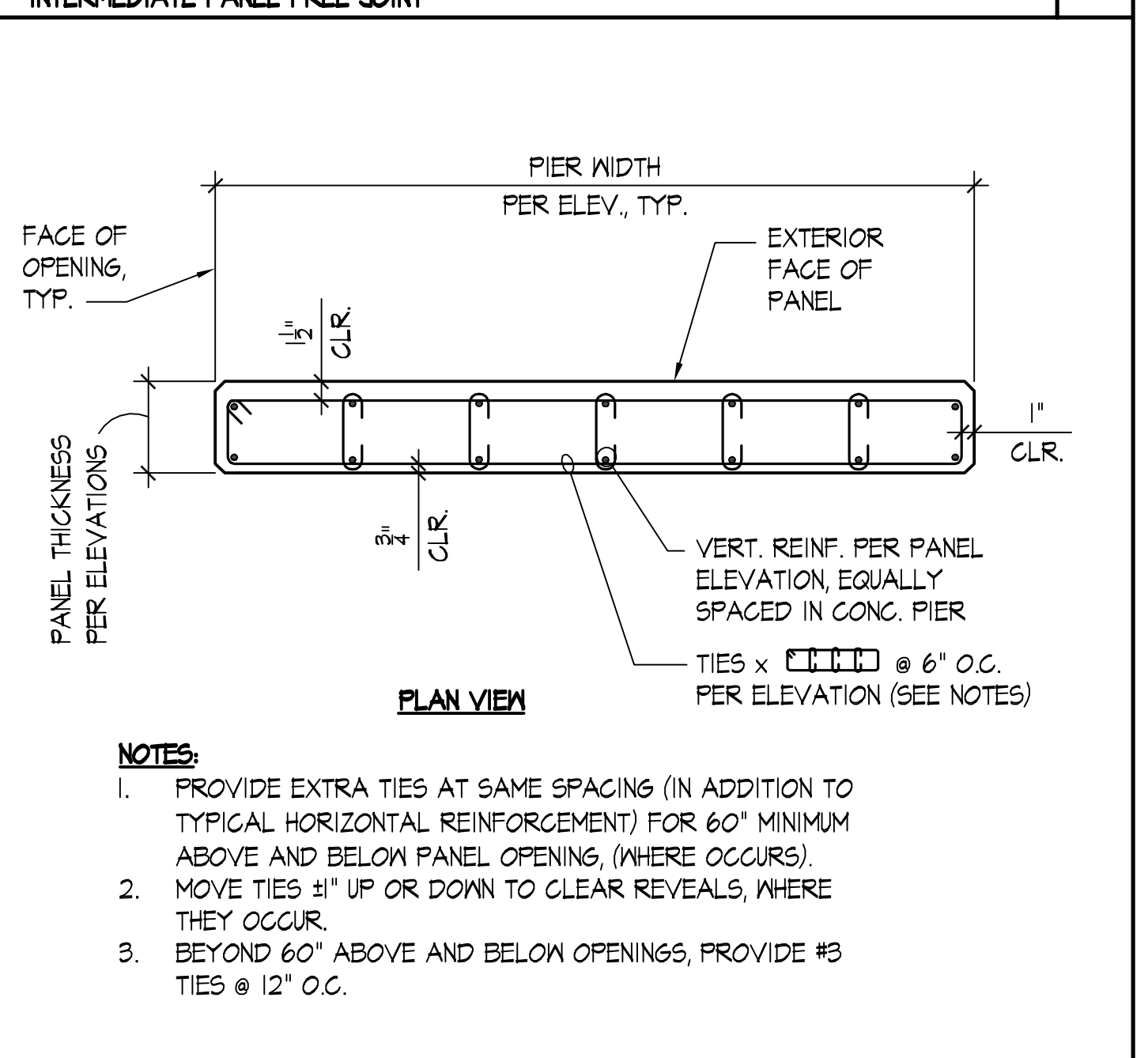
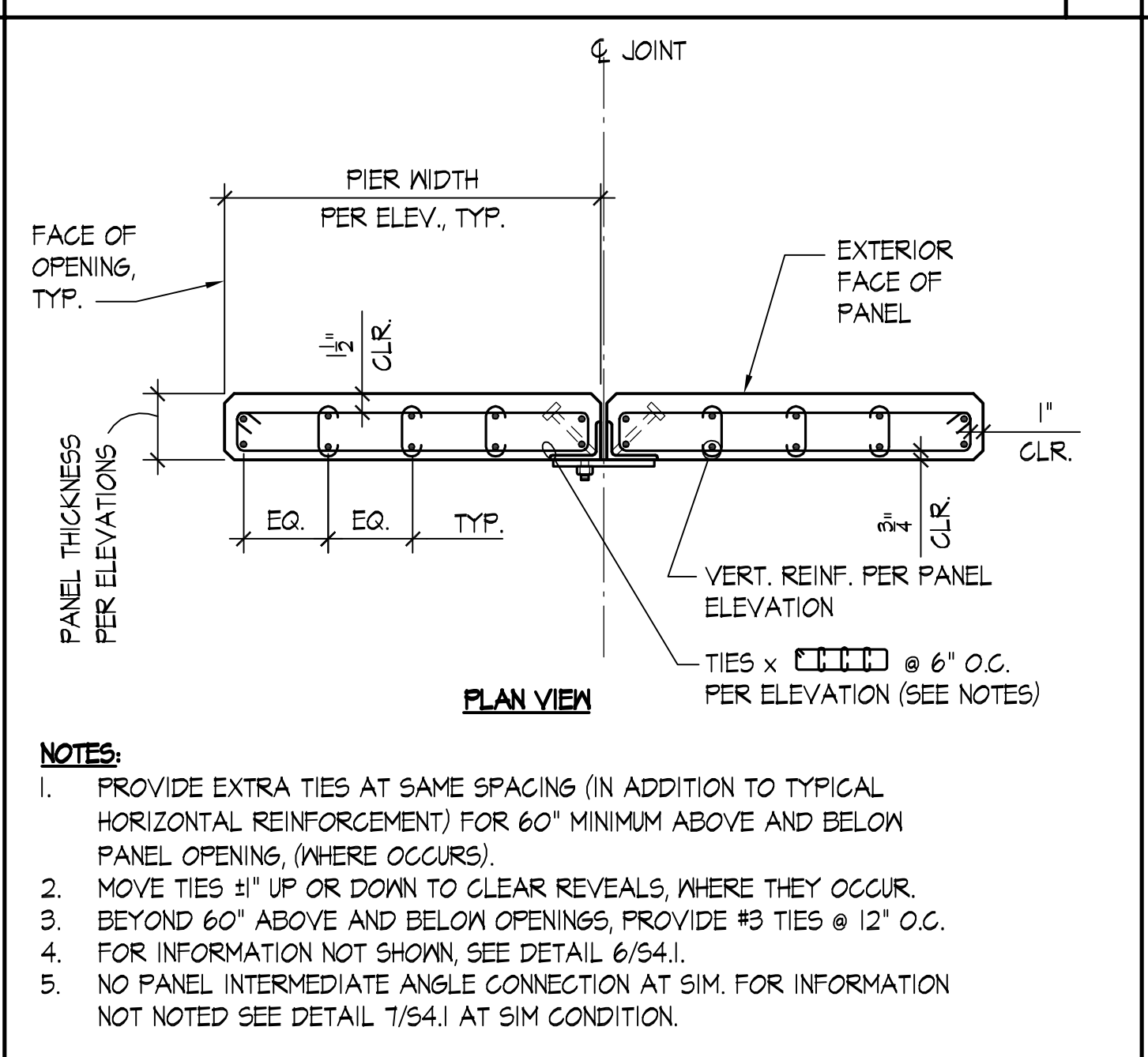
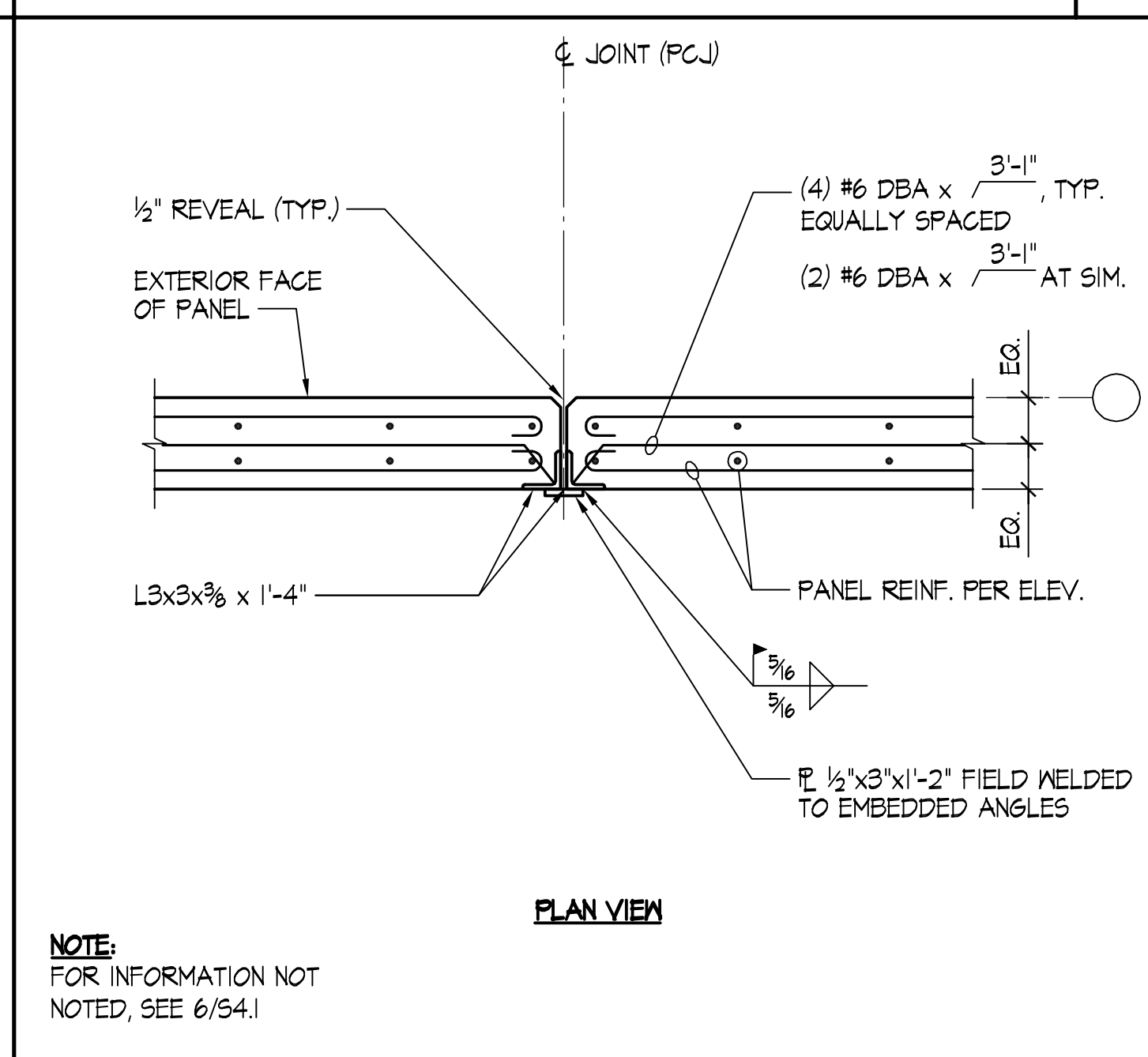
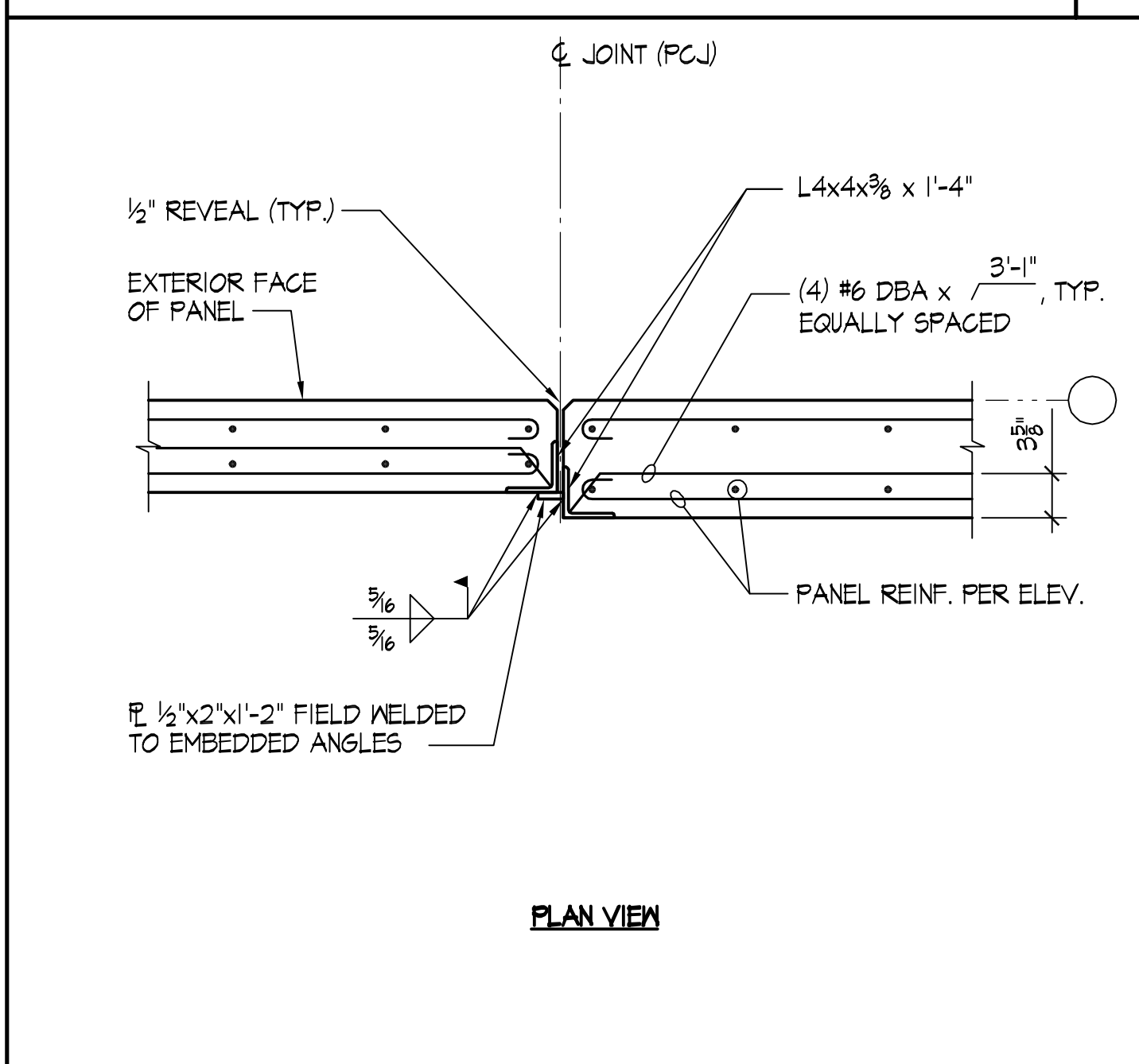


CORNER JOINT DETAIL SCALE: NONE 5

PANEL INTERMEDIATE JOINT SCALE: NONE 6

PANEL INTERMEDIATE FREE JOINT SCALE: NONE 7

CONTINUOUS PERIMETER FOOTING AT INTERMEDIATE PANEL FREE JOINT SCALE: NONE 8



CHORD SPLICE DETAIL AT ROOF - PANEL THICKNESS VARIES SCALE: NONE 9

CHORD SPLICE DETAIL AT ROOF SCALE: NONE 10

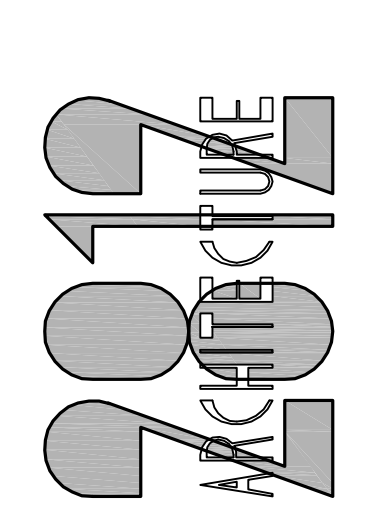
CONCRETE PIERS AT PANEL JOINT SCALE: NONE 11

CONCRETE PIER BETWEEN PANEL OPENINGS SCALE: NONE 12

For:	PERMIT SET	BUILDING PERMIT RESUBMITTAL
Date:	02/09/2023	03/07/2023

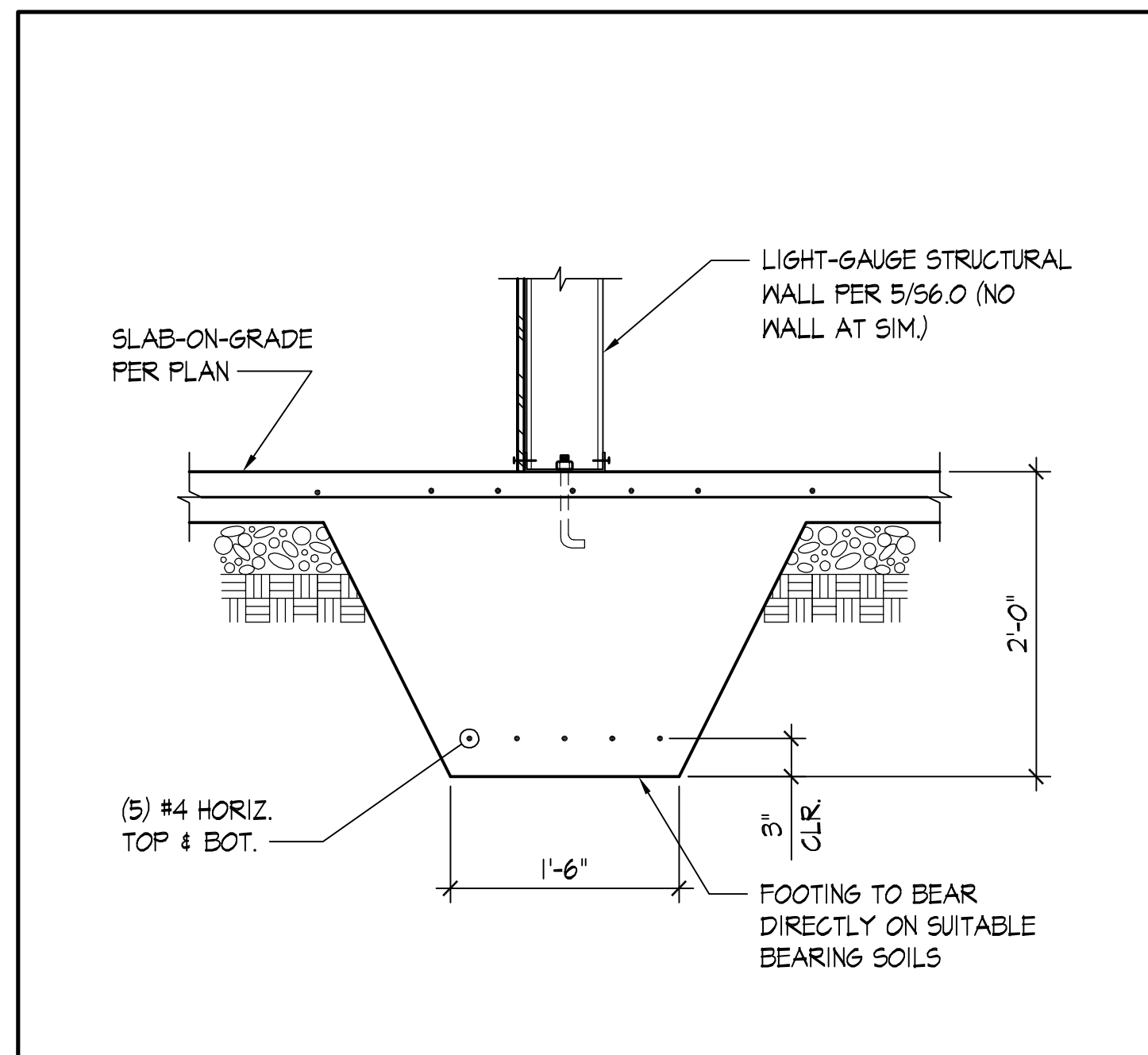


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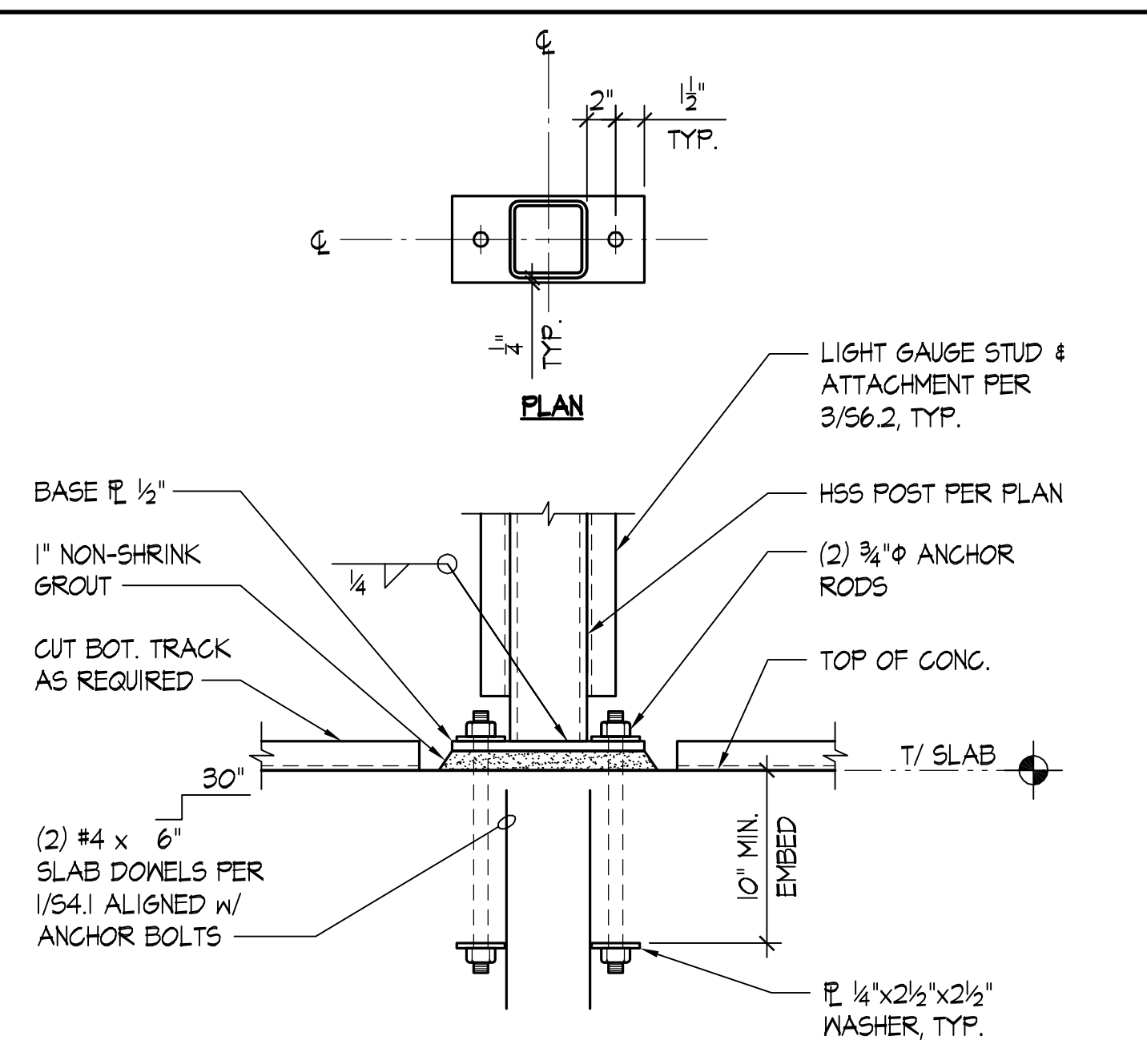


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Contract: DETAILS

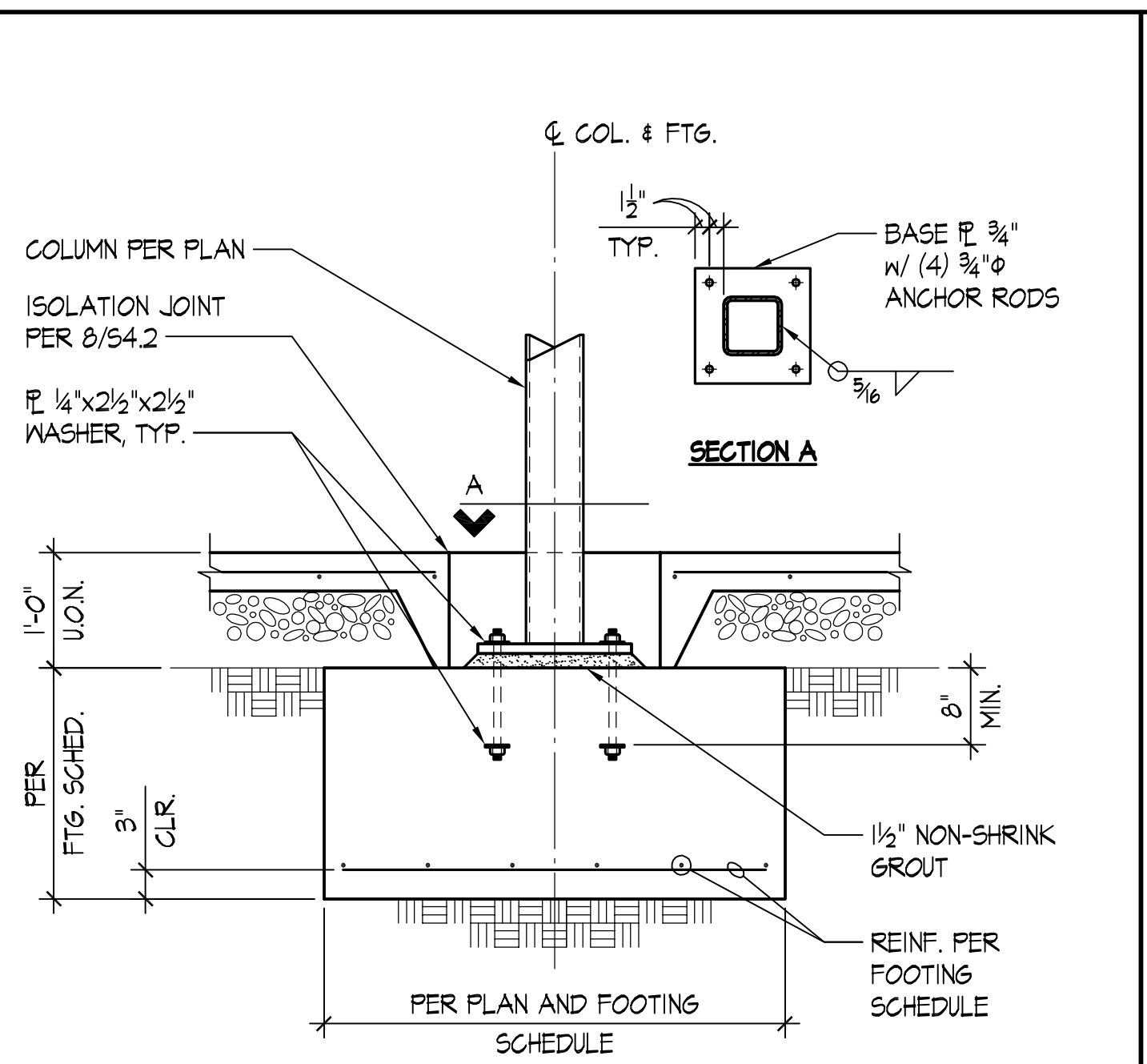
Drawing:	<b>S4.1</b>
Job Number:	22607.01



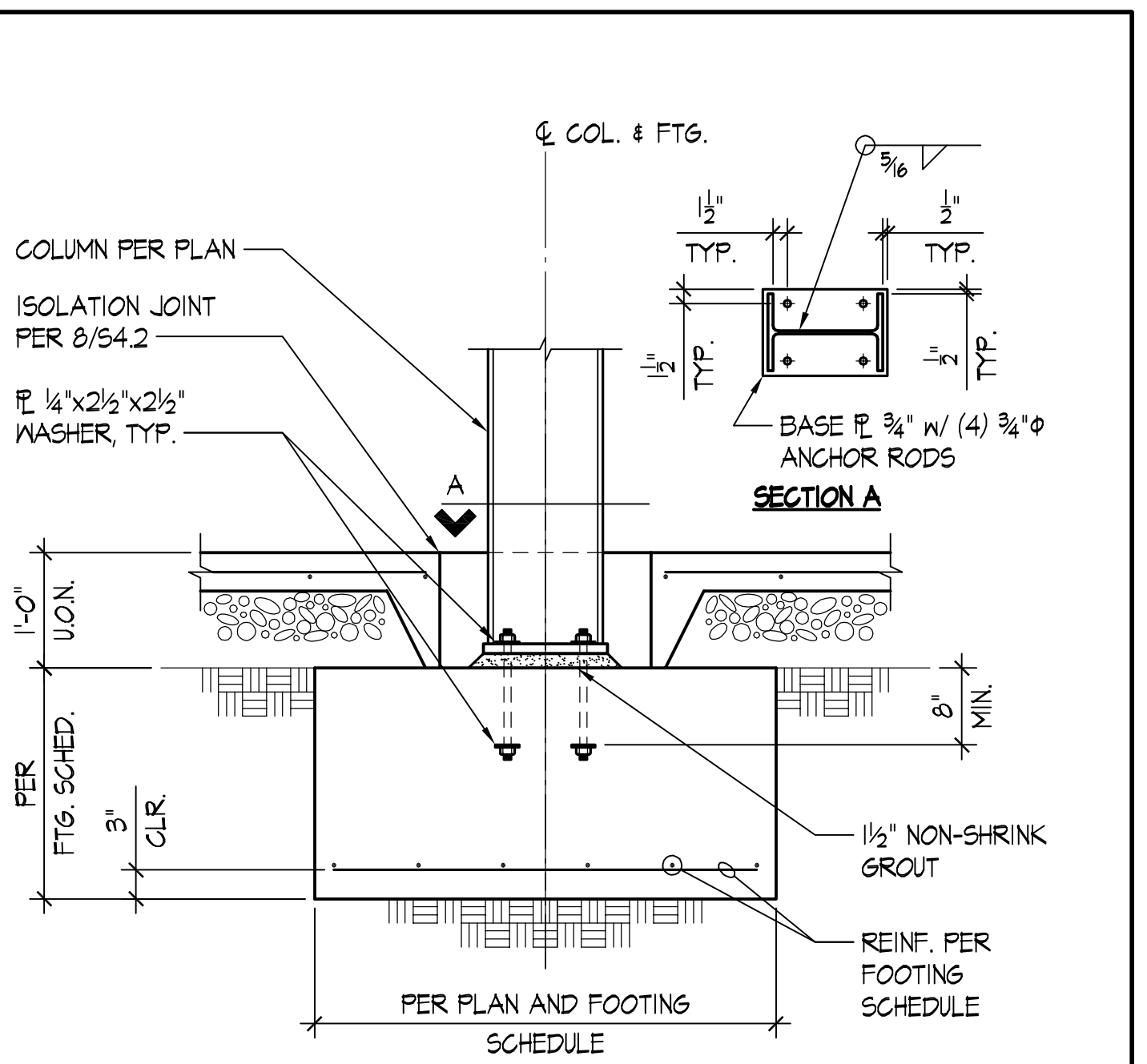
TYPICAL THICKENED SLAB AT SHEAR WALL SCALE: NONE



HSS POST BASE PLATE AT WALL END SCALE: NONE



TYPICAL SPREAD FOOTING SUPPORTING HSS COLUMN SCALE: NONE



TYPICAL SPREAD FOOTING SUPPORTING WF COLUMN SCALE: NONE



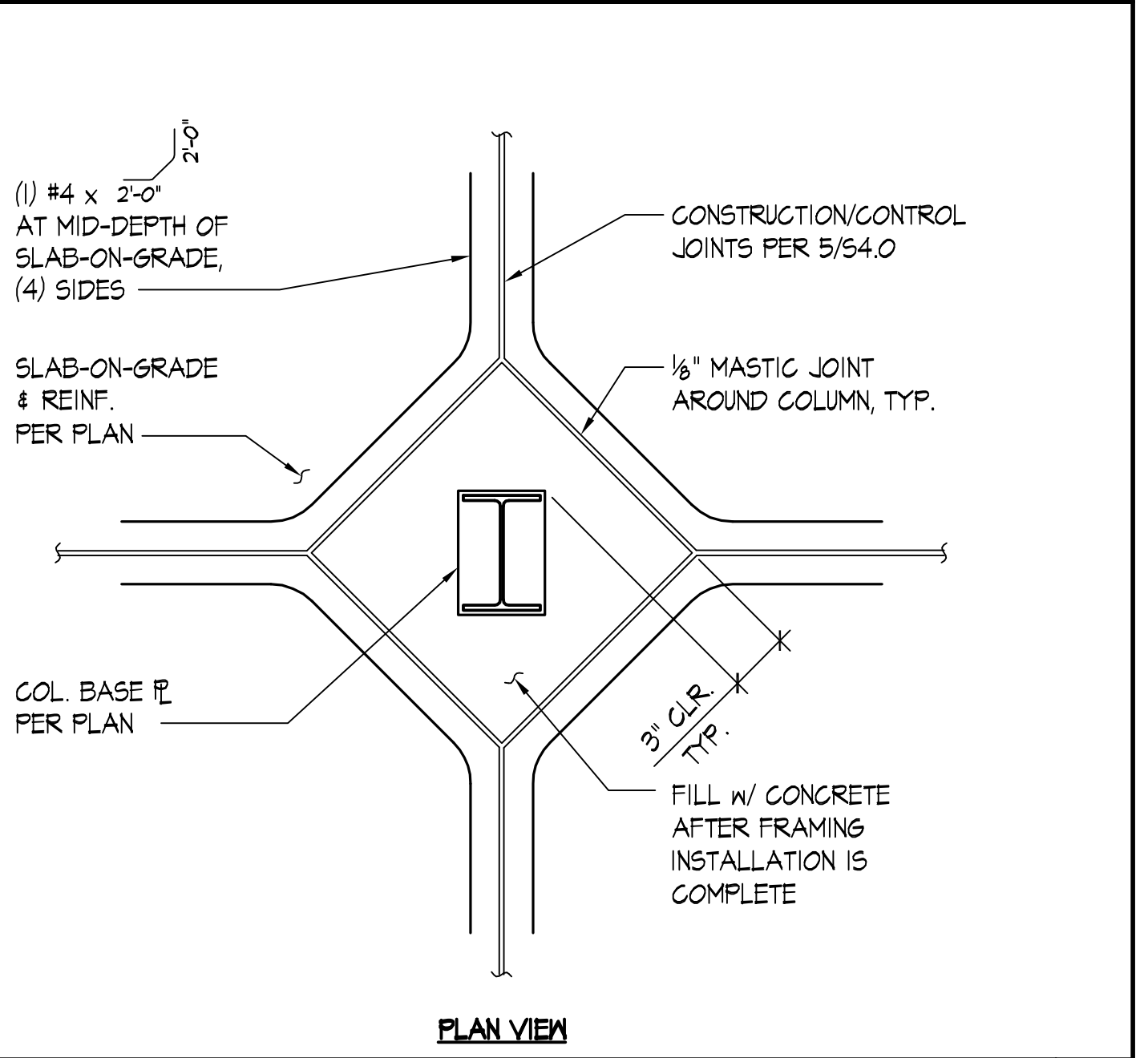
DETAIL SCALE: 1"=1'-0"



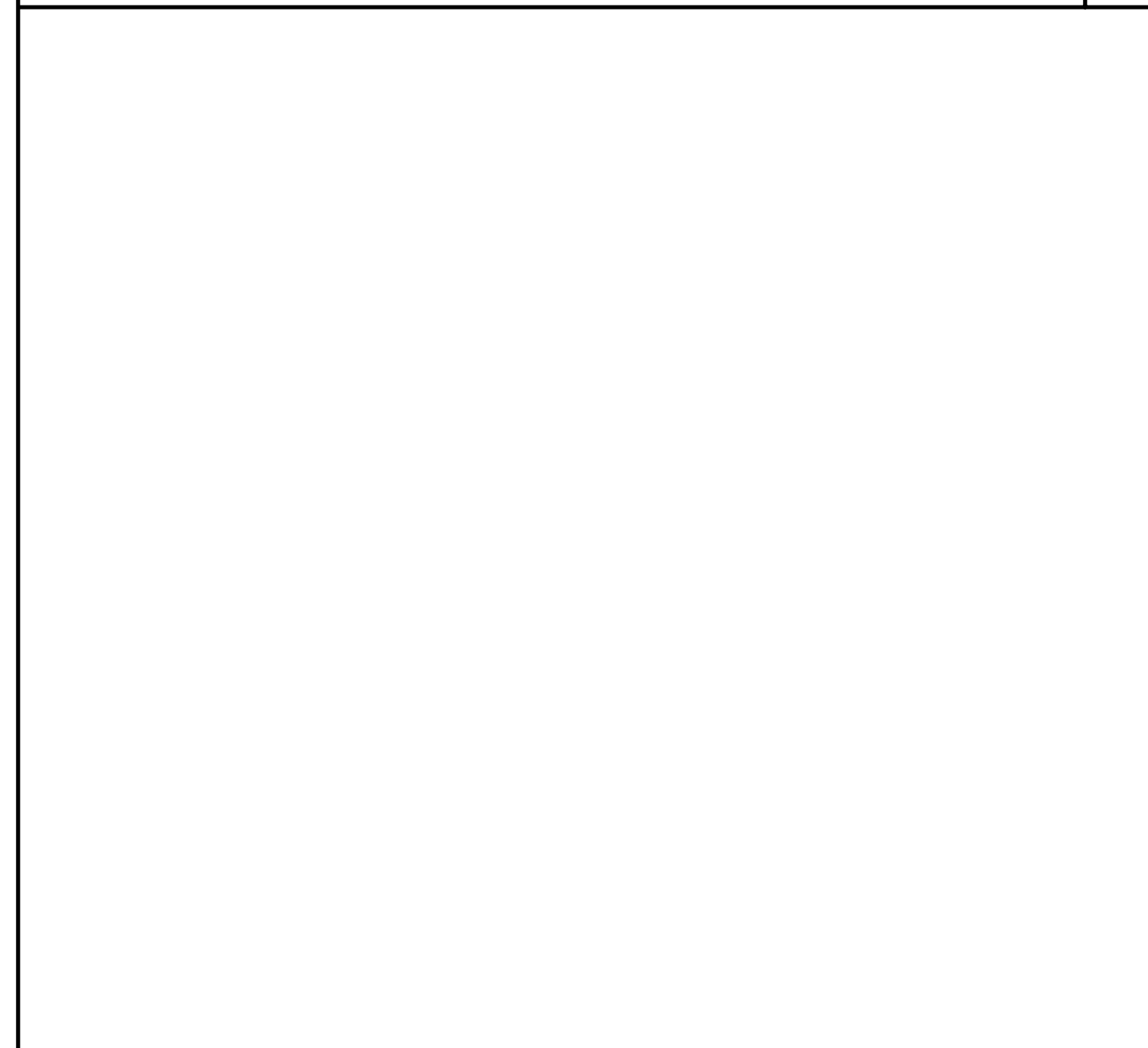
DETAIL SCALE: 1"=1'-0"



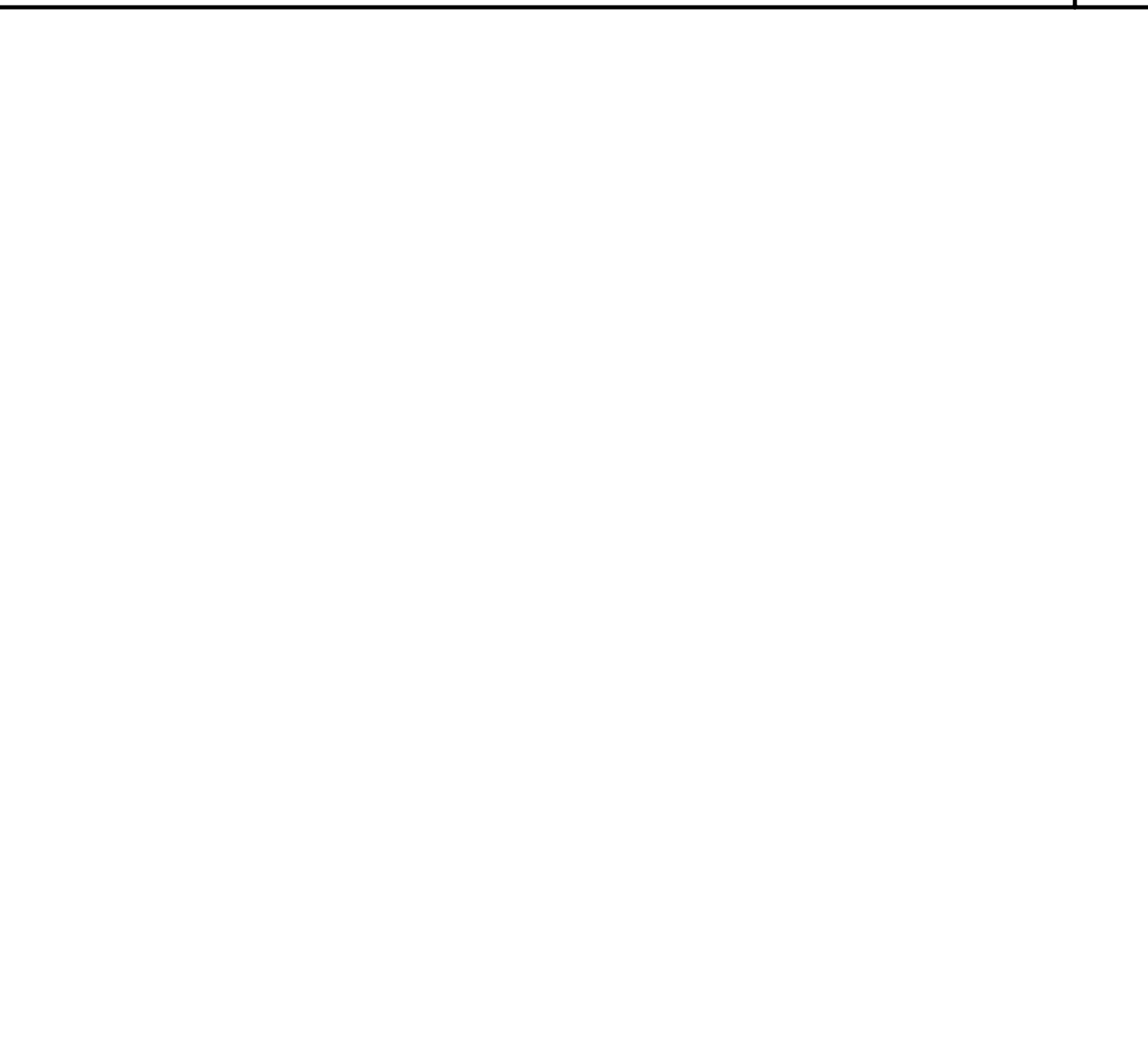
DETAIL SCALE: 1"=1'-0"



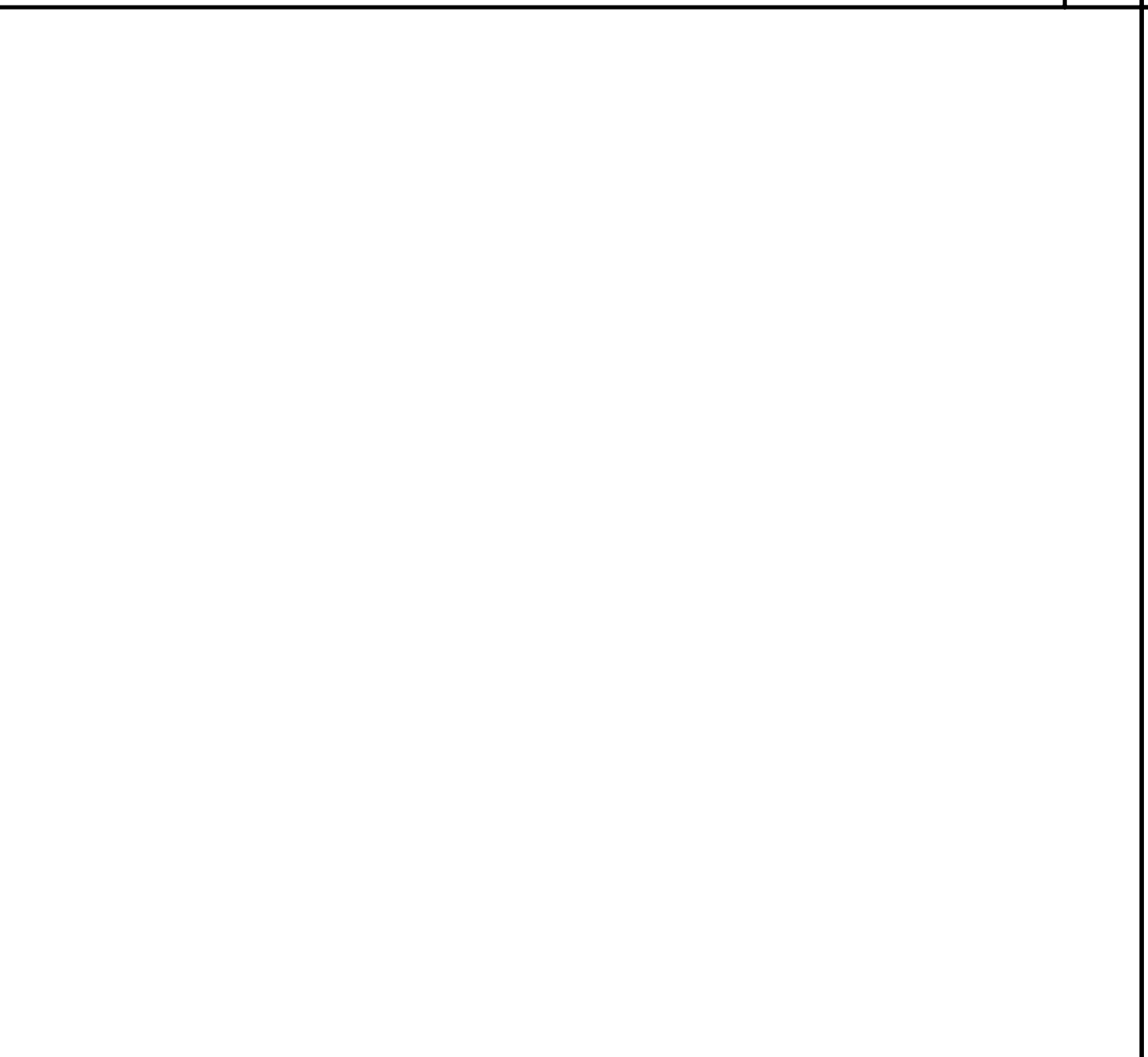
TYPICAL SLAB-ON-GRADE ISOLATION JOINT @ COLUMN SCALE: NONE



DETAIL SCALE: 1"=1'-0"



DETAIL SCALE: 1"=1'-0"



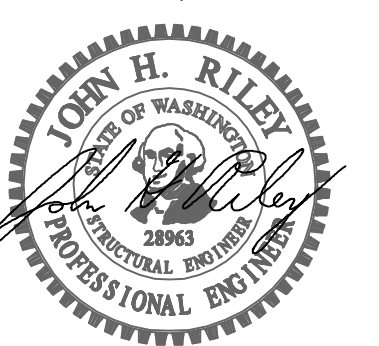
DETAIL SCALE: 1"=1'-0"

SPREAD FOOTING SCHEDULE				
MARK	SIZE	REINFORCING	DETAIL	REMARKS
F2.5	2'-6" x 2'-6" x 1'-0"	(3) #5 E.W.	3/54.2	-
F3.5	3'-6" x 3'-6" x 1'-0"	(4) #5 E.W.	4/54.2	-
F4.0	4'-0" x 4'-0" x 1'-0"	(5) #5 E.W.	3/54.2	-
F5.0	5'-0" x 5'-0" x 1'-0"	(6) #5 E.W.	3/54.2	-
F10.5x4	10'-6" x 4'-0" x 1'-0"	(1) #5 SHORT (2) #5 LONGIT. ADD'L	2/54.1	CTRD. BELOW PIER OR PIER GROUP
F13x4	13'-0" x 4'-0" x 1'-0"	(14) #5 SHORT (2) #5 LONGIT. ADD'L	2/54.1	CTRD. BELOW PIER OR PIER GROUP
F21x4	21'-0" x 4'-0" x 1'-0"	(22) #5 SHORT (2) #5 LONGIT. ADD'L	2/54.1	CTRD. BELOW PIER OR PIER GROUP

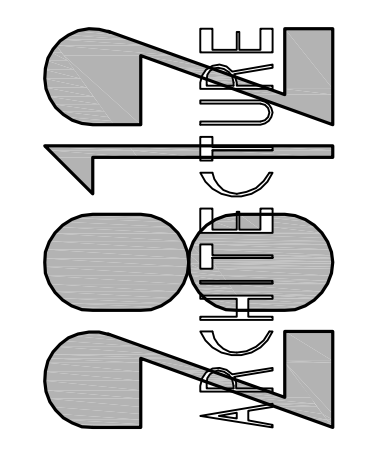
**NOTE:**  
 1. LONGIT. REINF. IS IN ADDITION TO CONT. REINF. SHOWN IN 1/54.1.  
 2. ALLOWABLE BEARING PRESSURE IS 2.0 KSF

SPREAD FOOTING SCHEDULE SCALE: NONE

Date:	02/09/2023
For:	PERMIT SET
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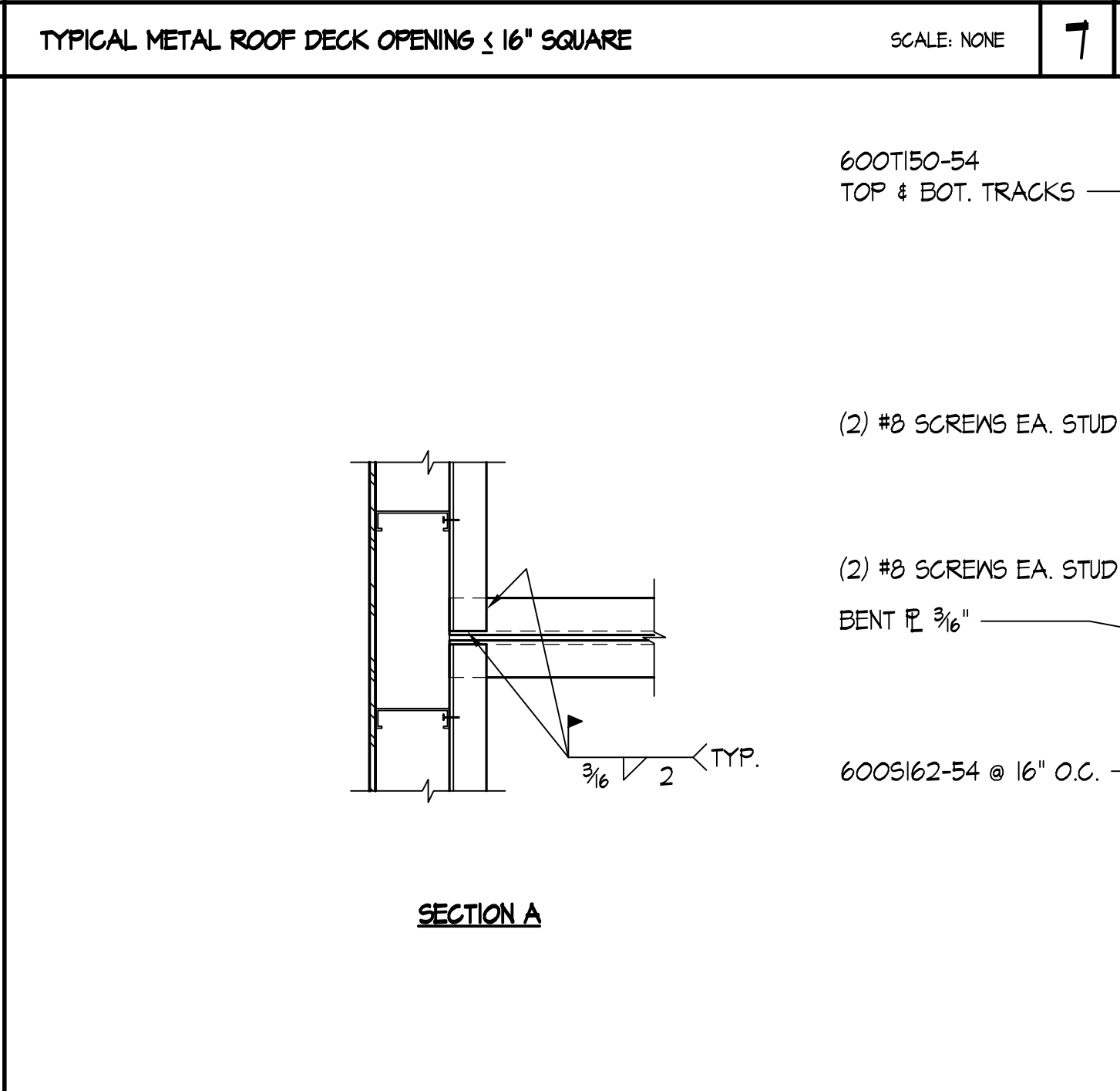
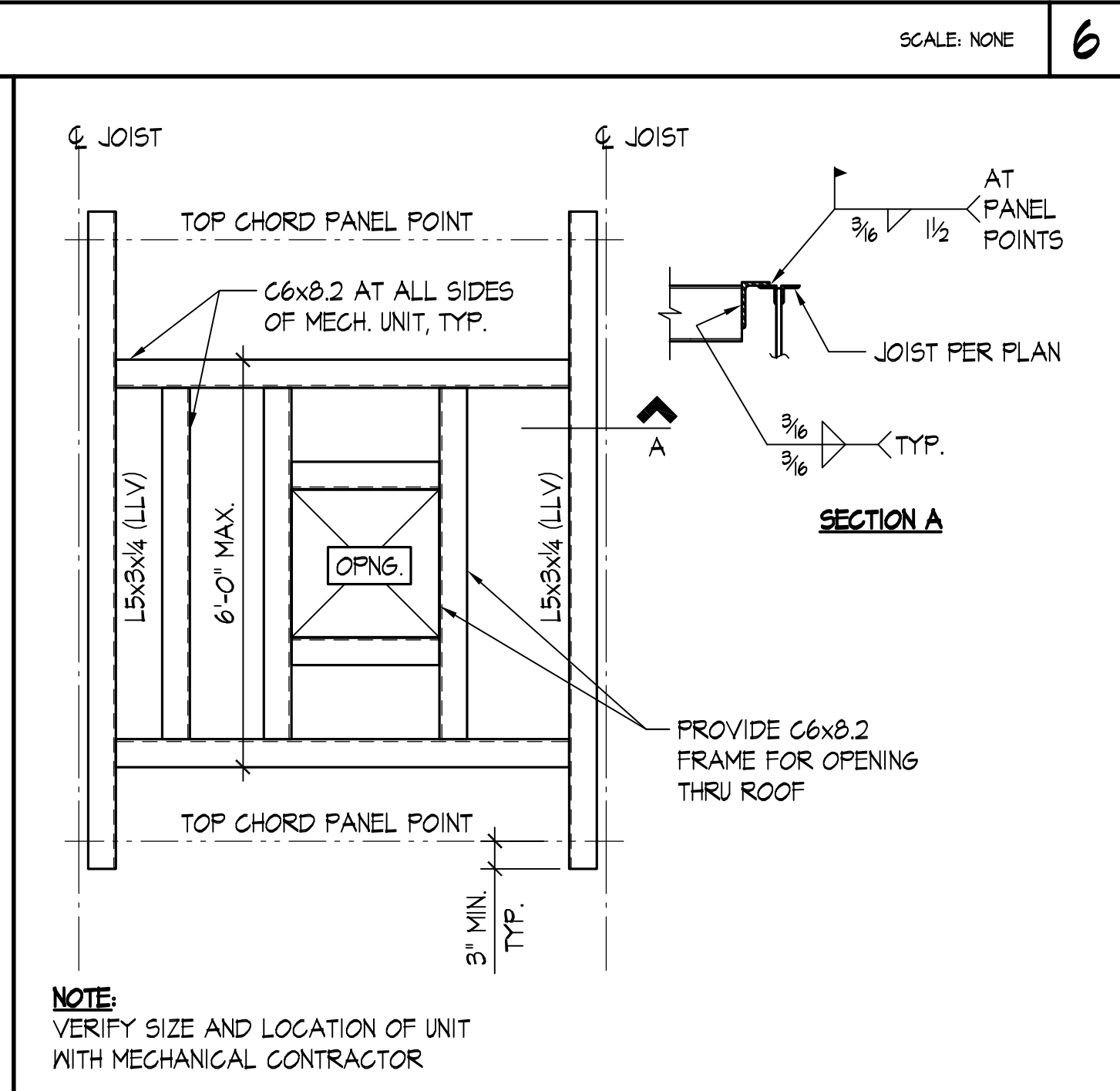
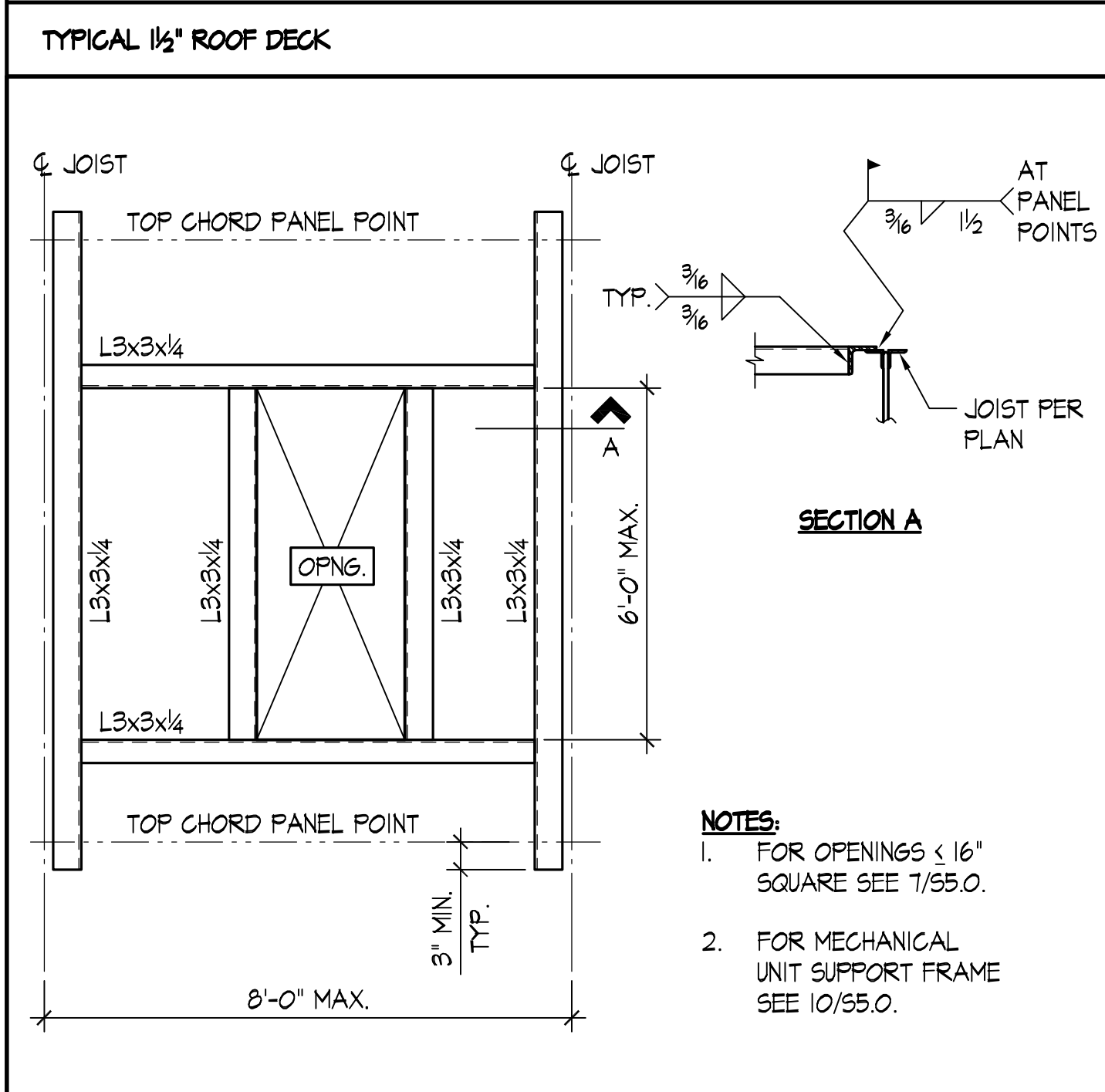
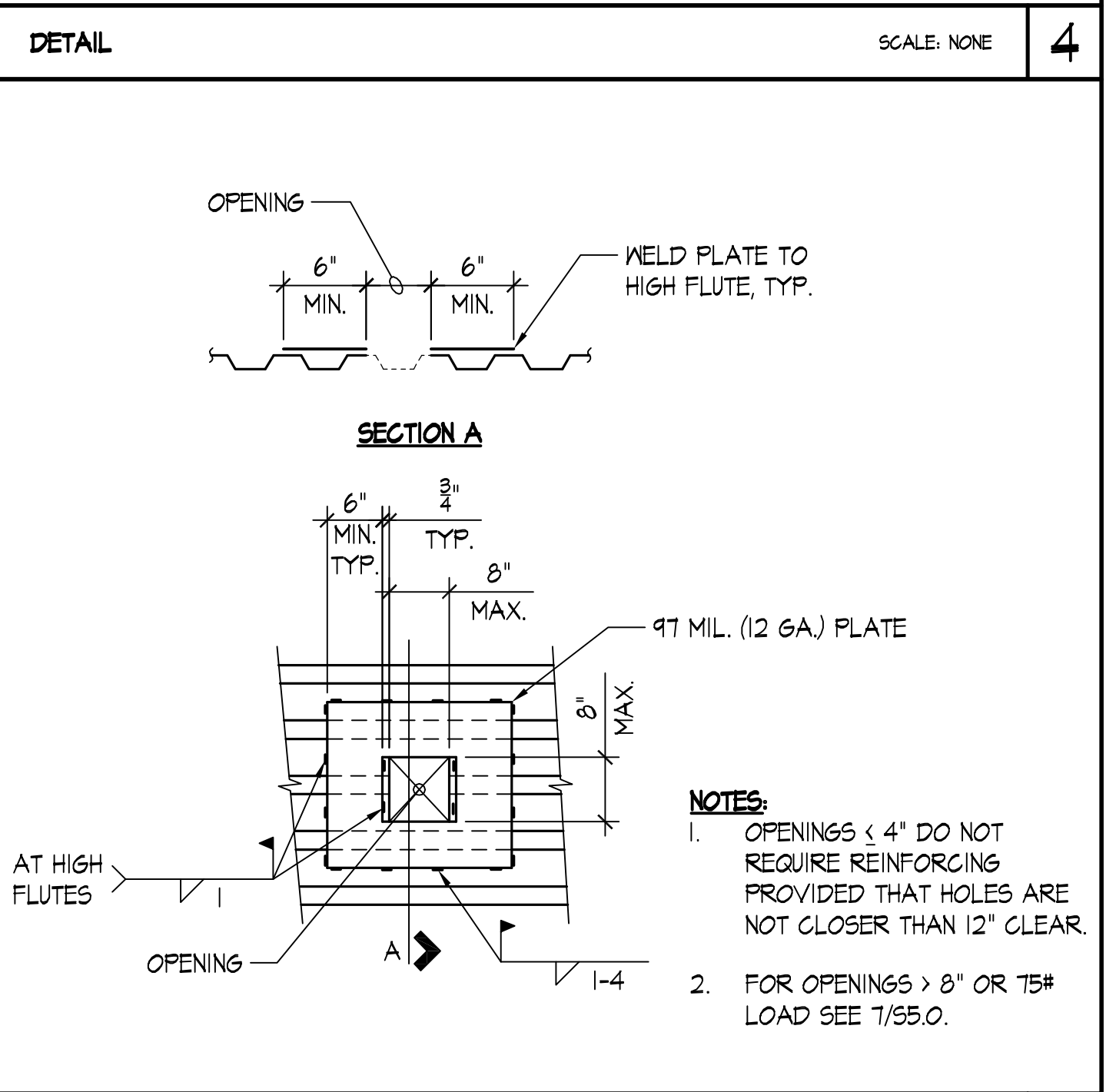
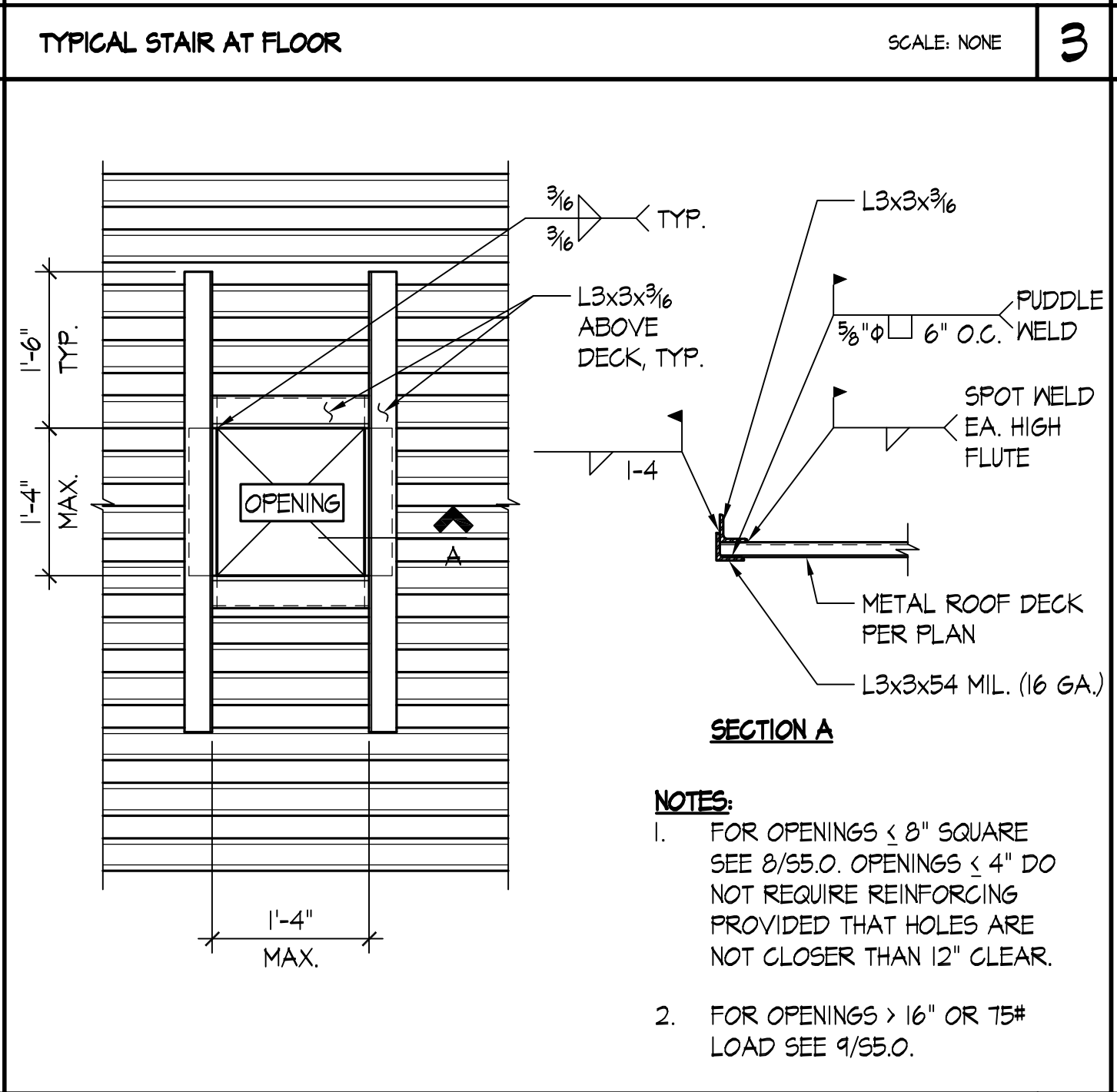
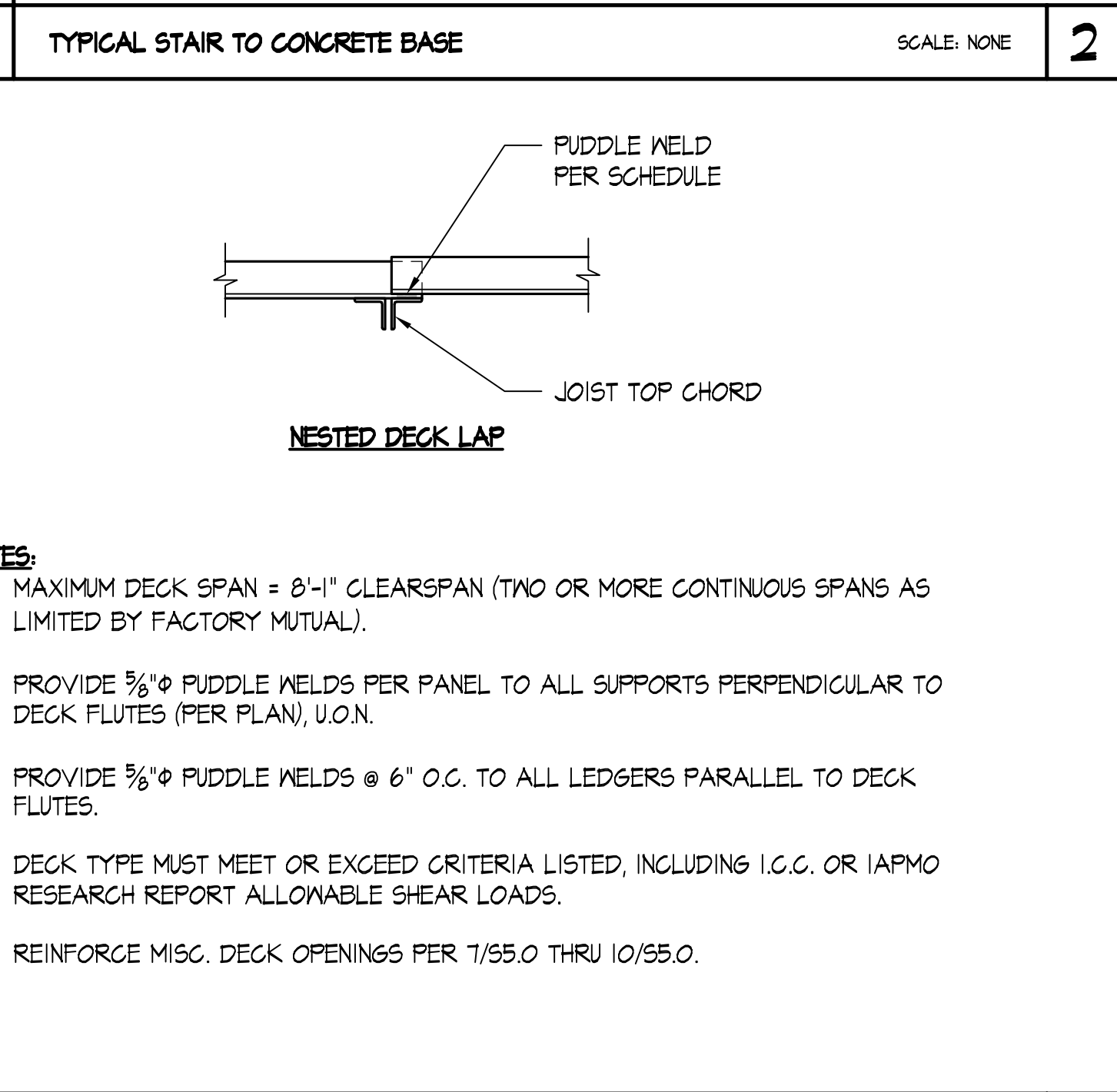
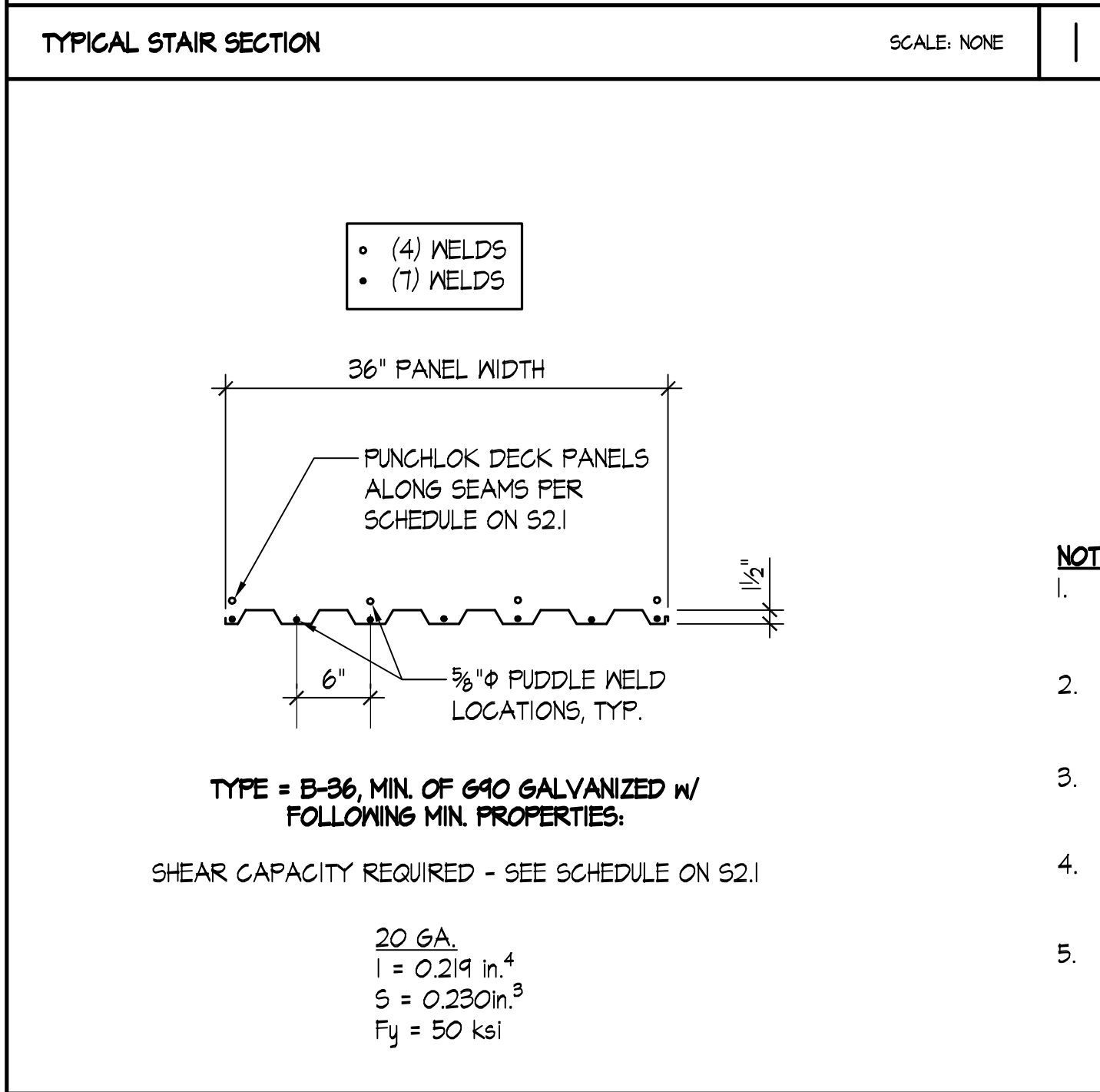
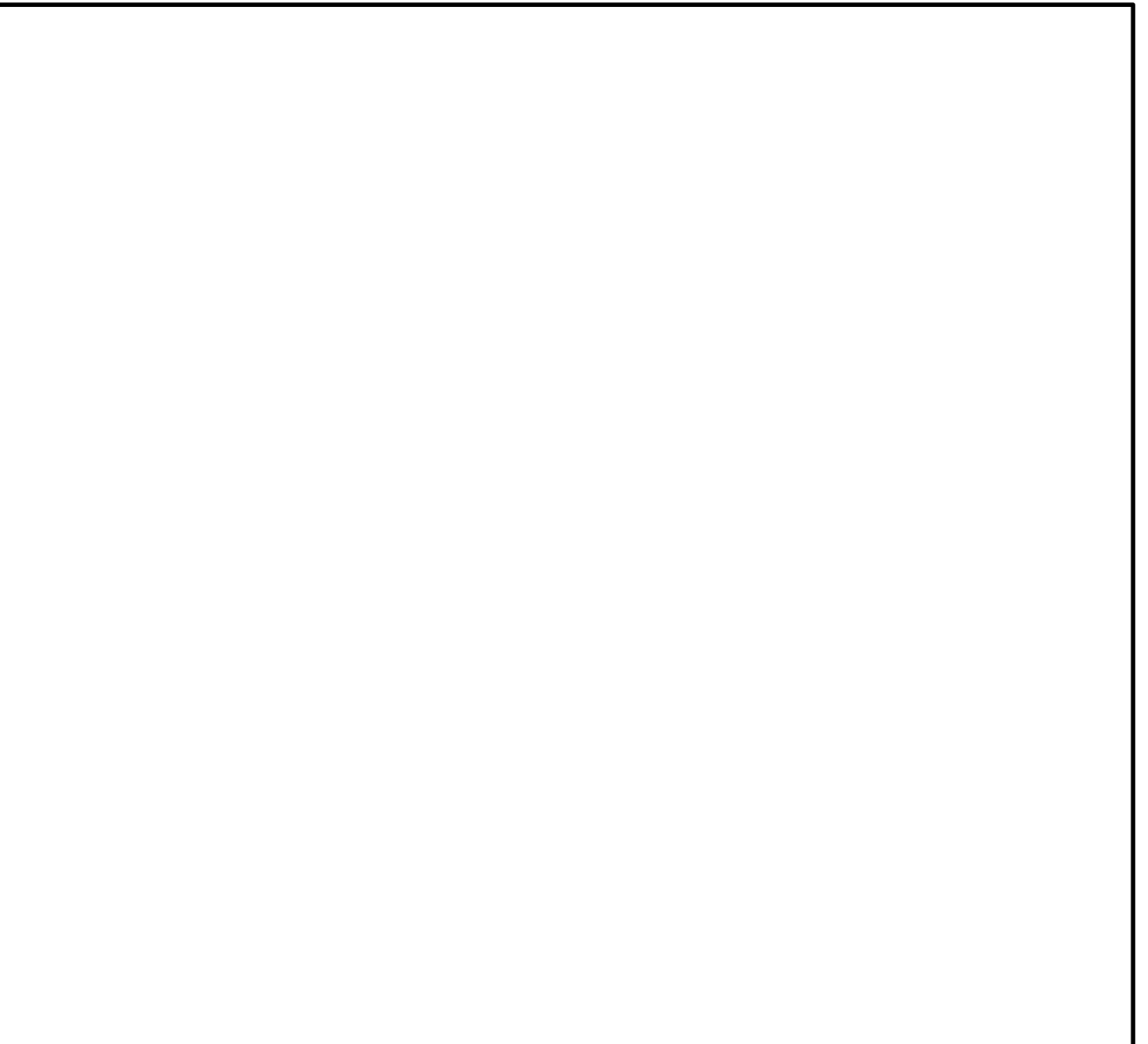
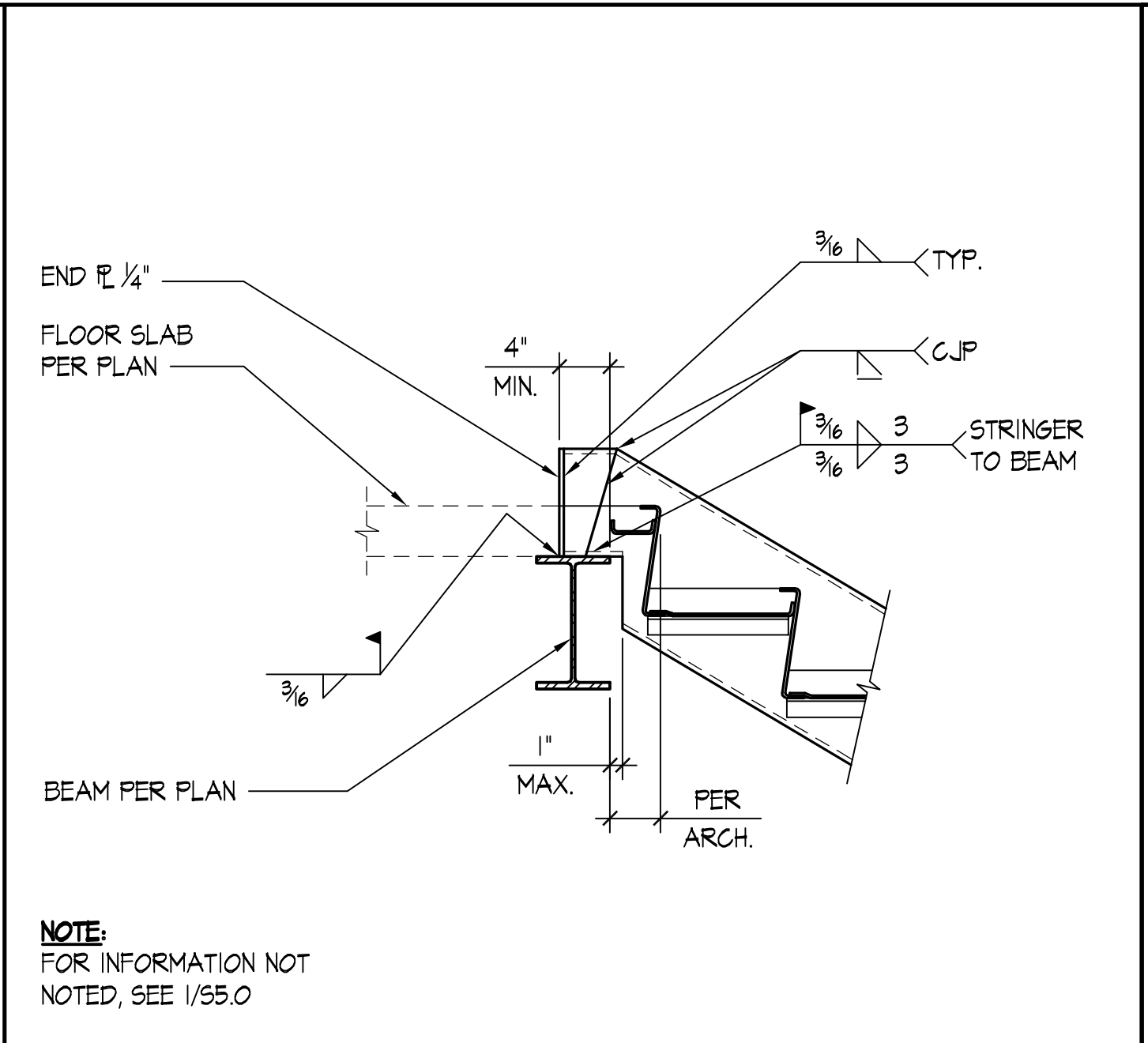
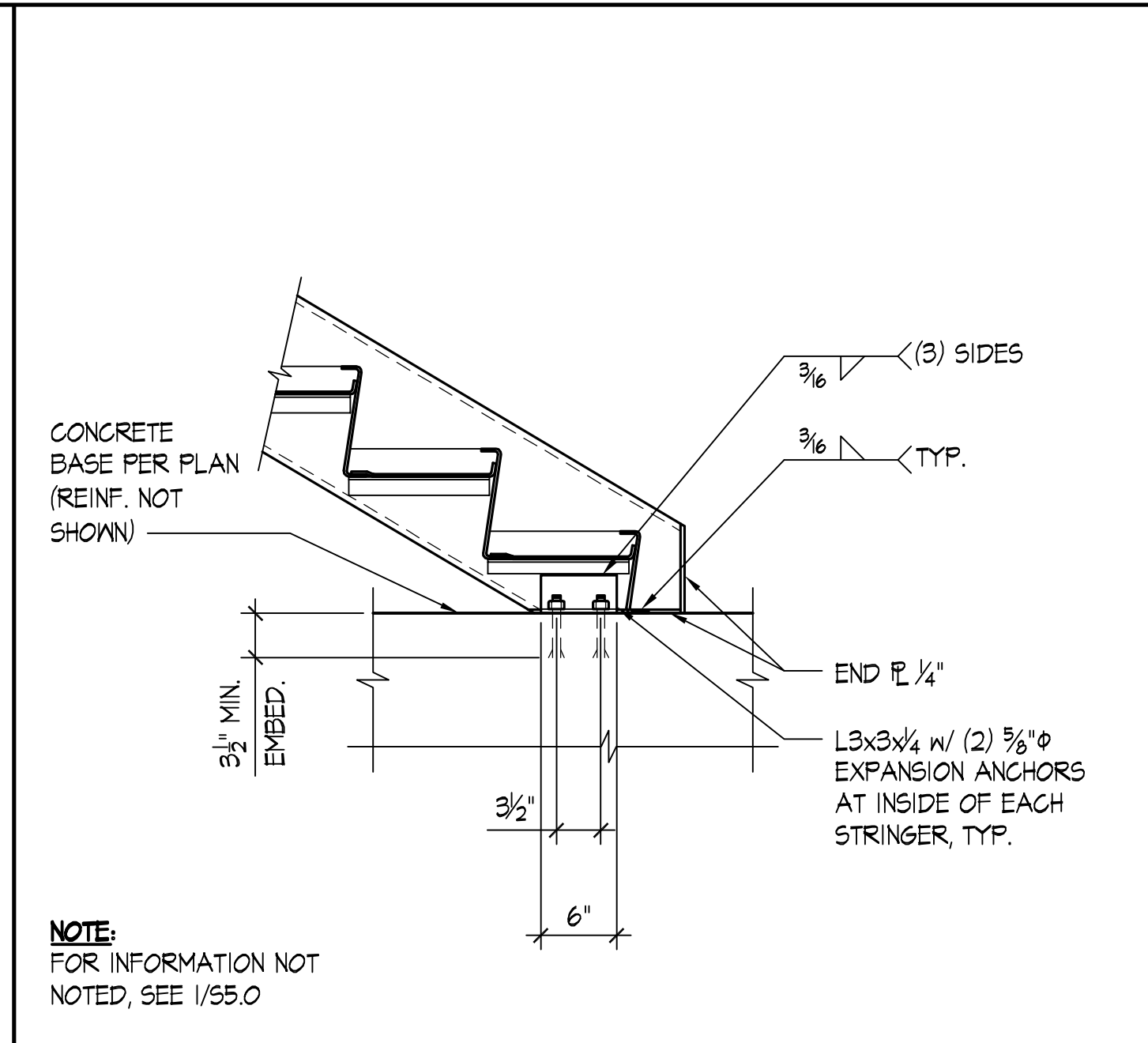
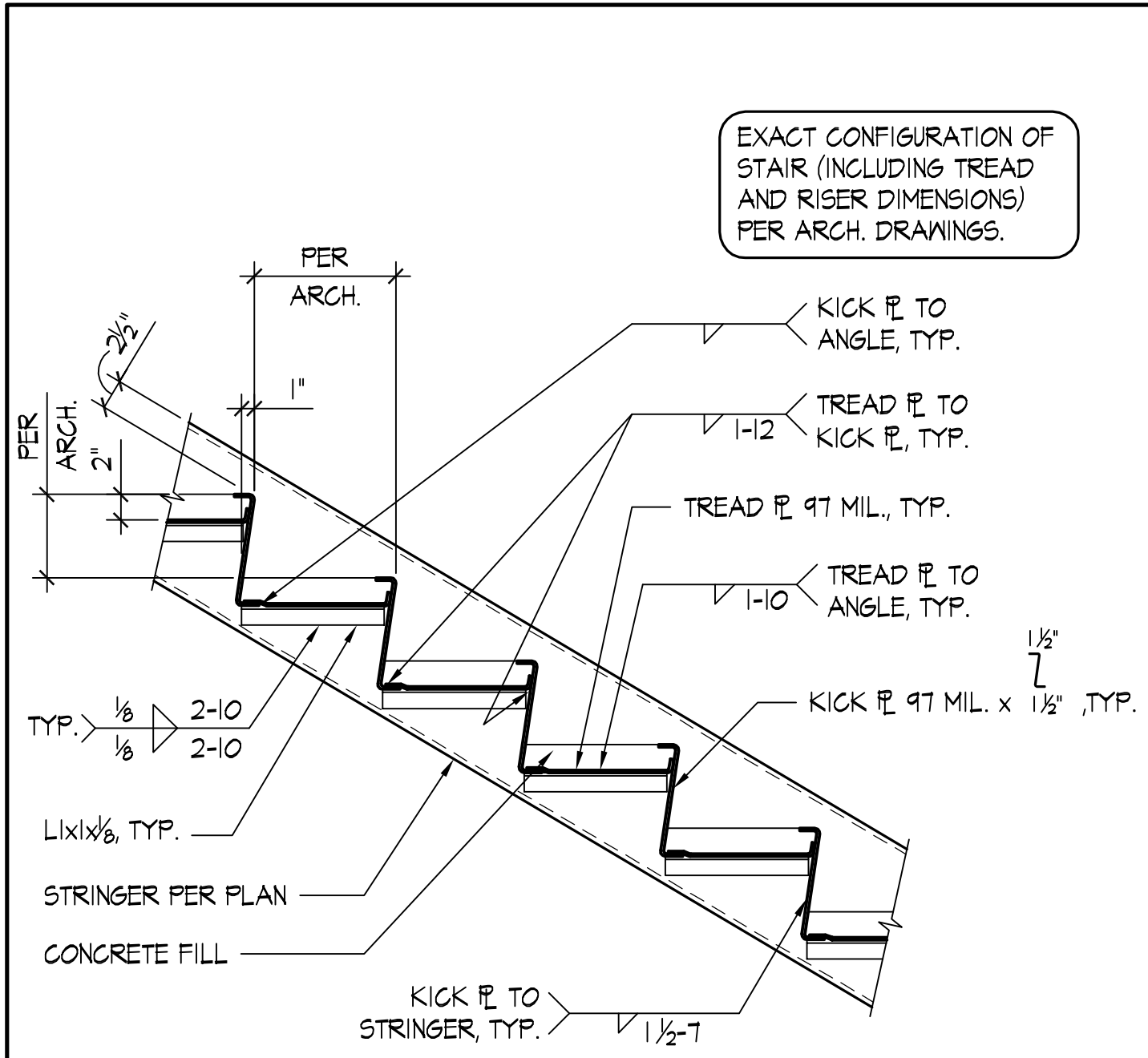


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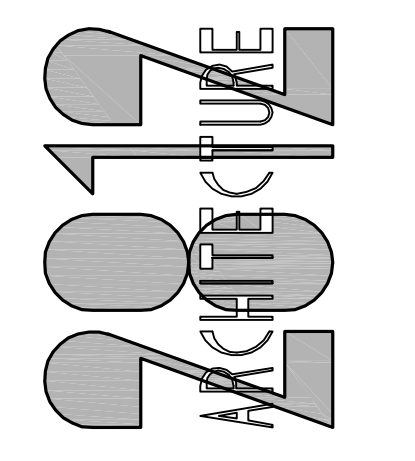
Drawing:	<b>S4.2</b>
Job Number:	22607.01



For:	PERMIT SET	BUILDING PERMIT RESUBMITTAL
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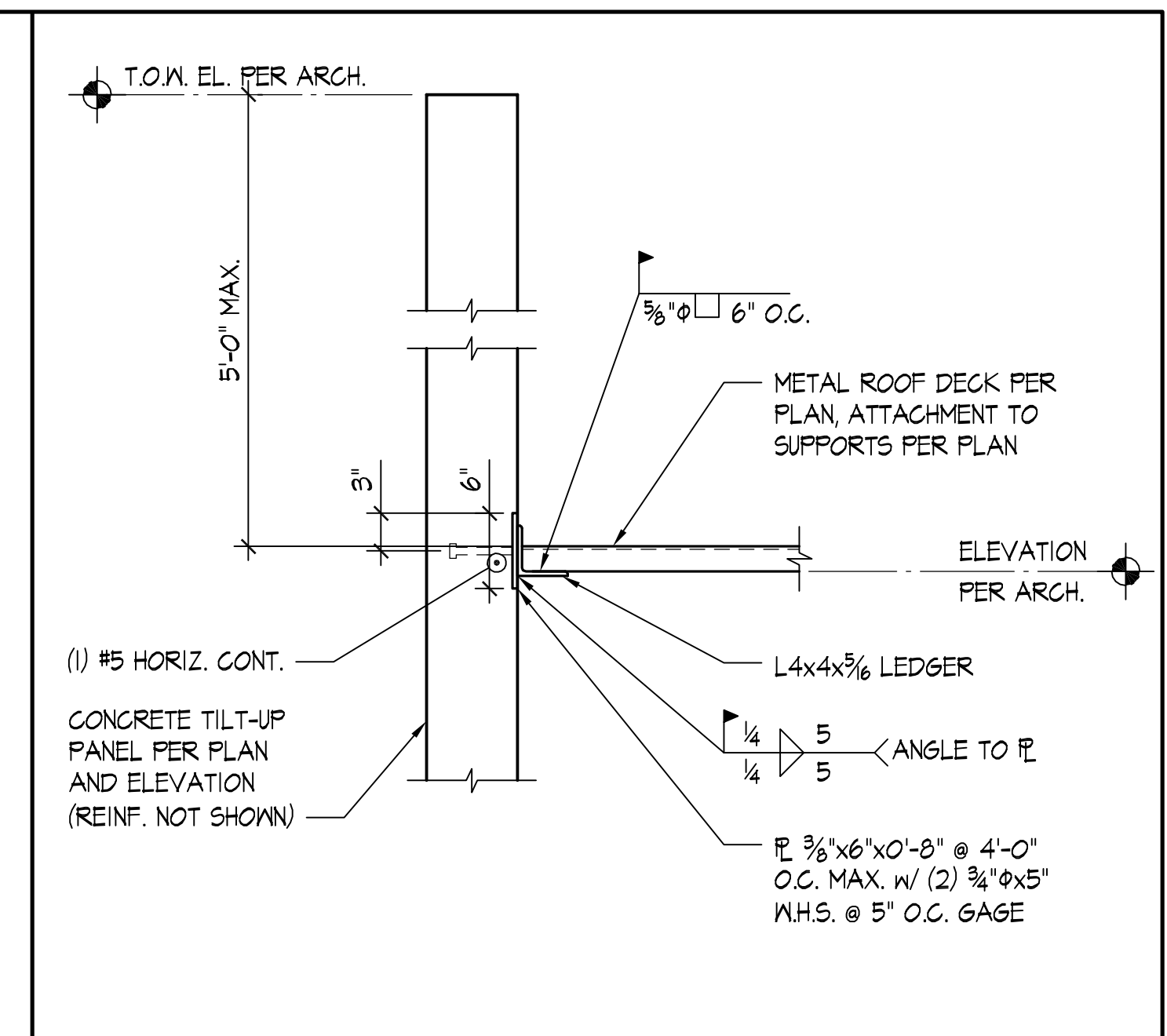
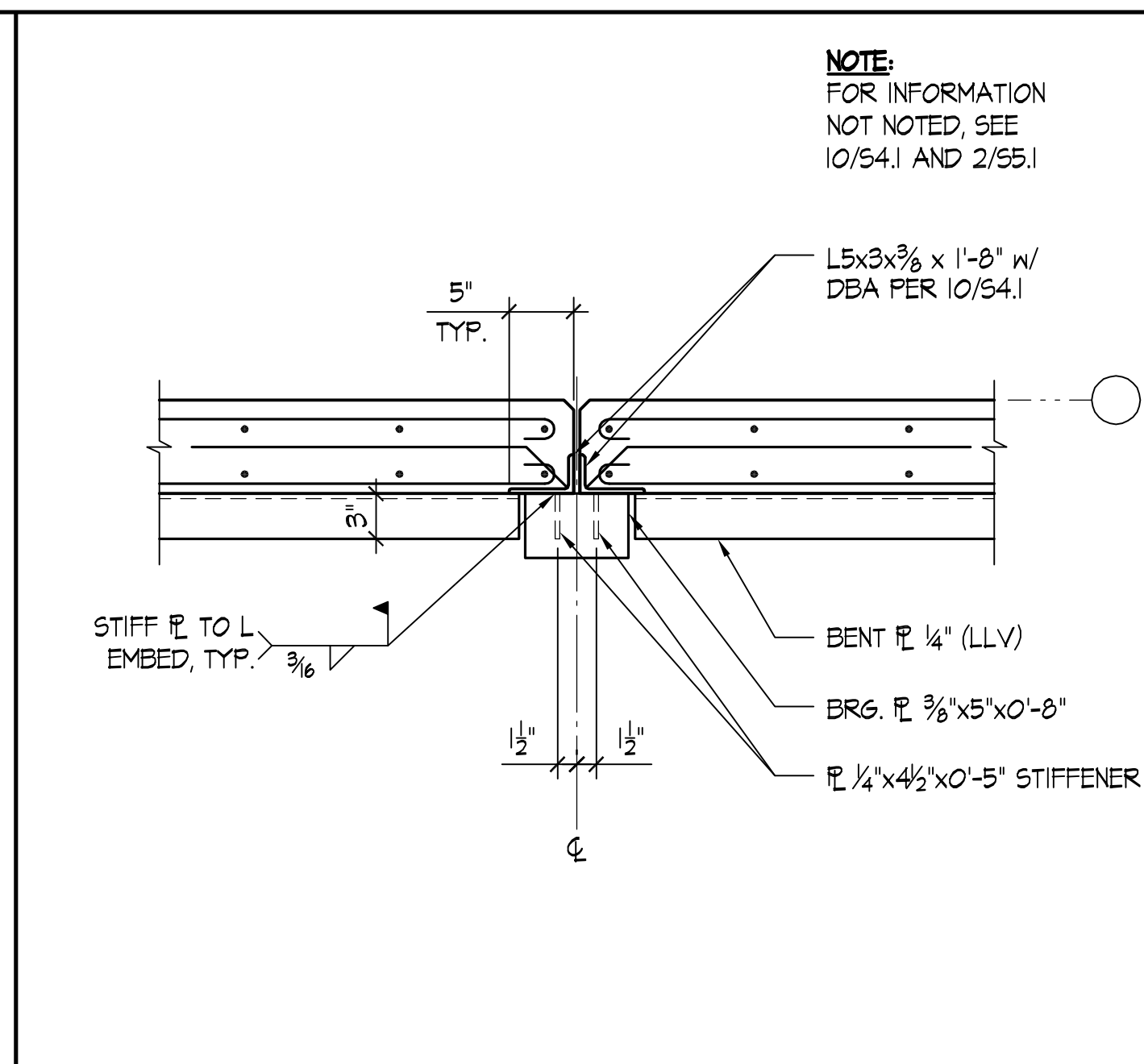
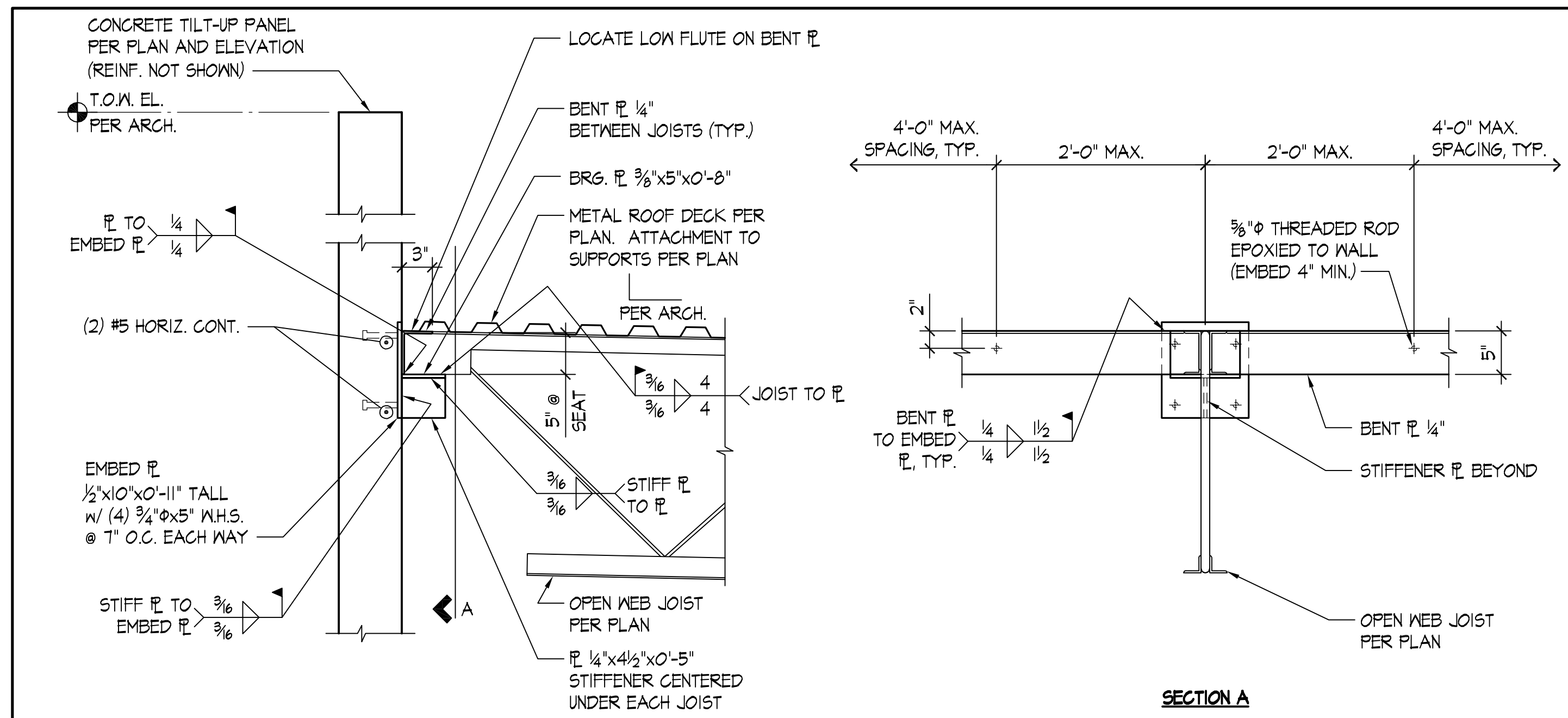


New Buildings for:  
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Arlington, Washington

STEEL DETAILS

Drawing:  
**S5.0**

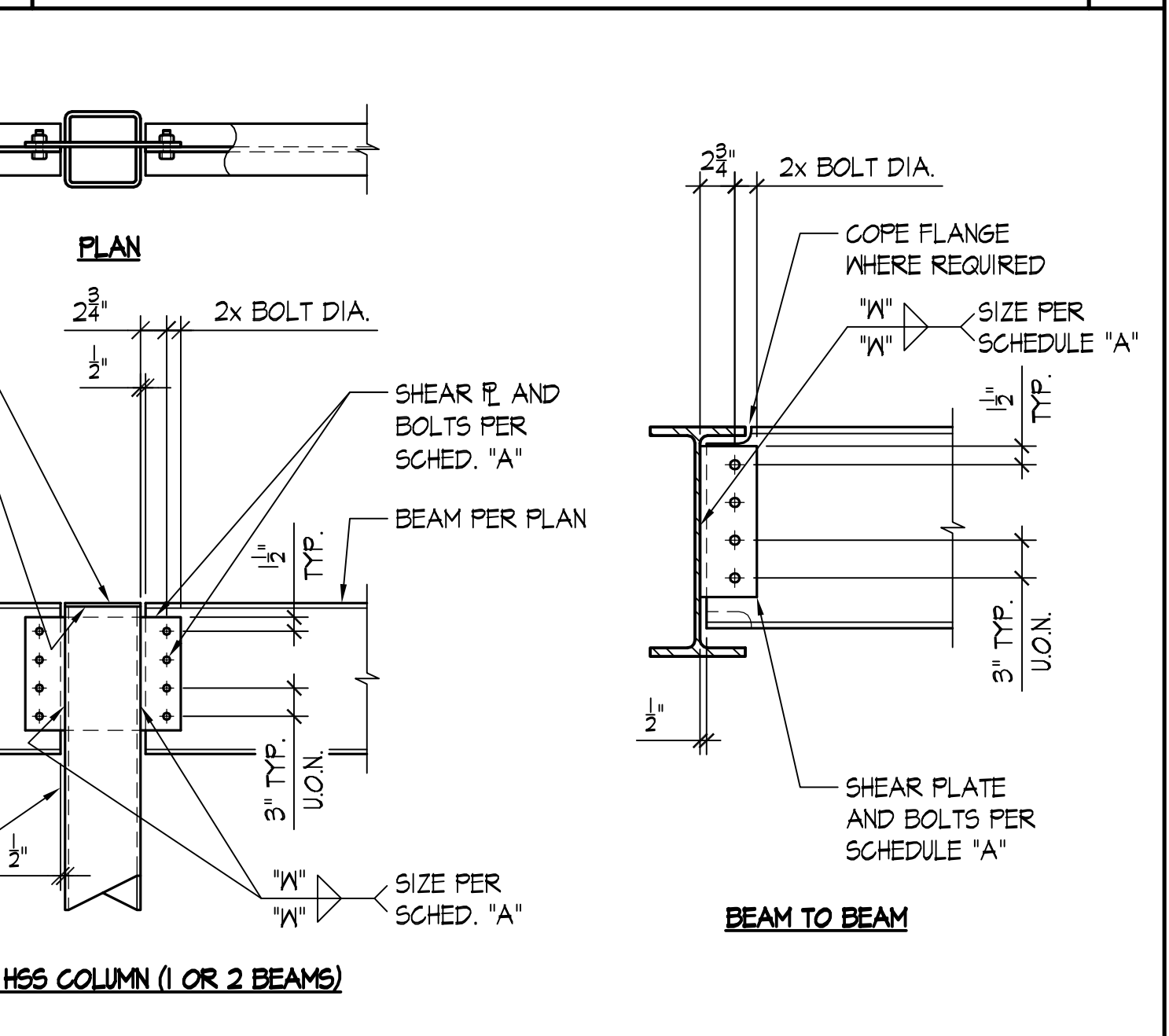
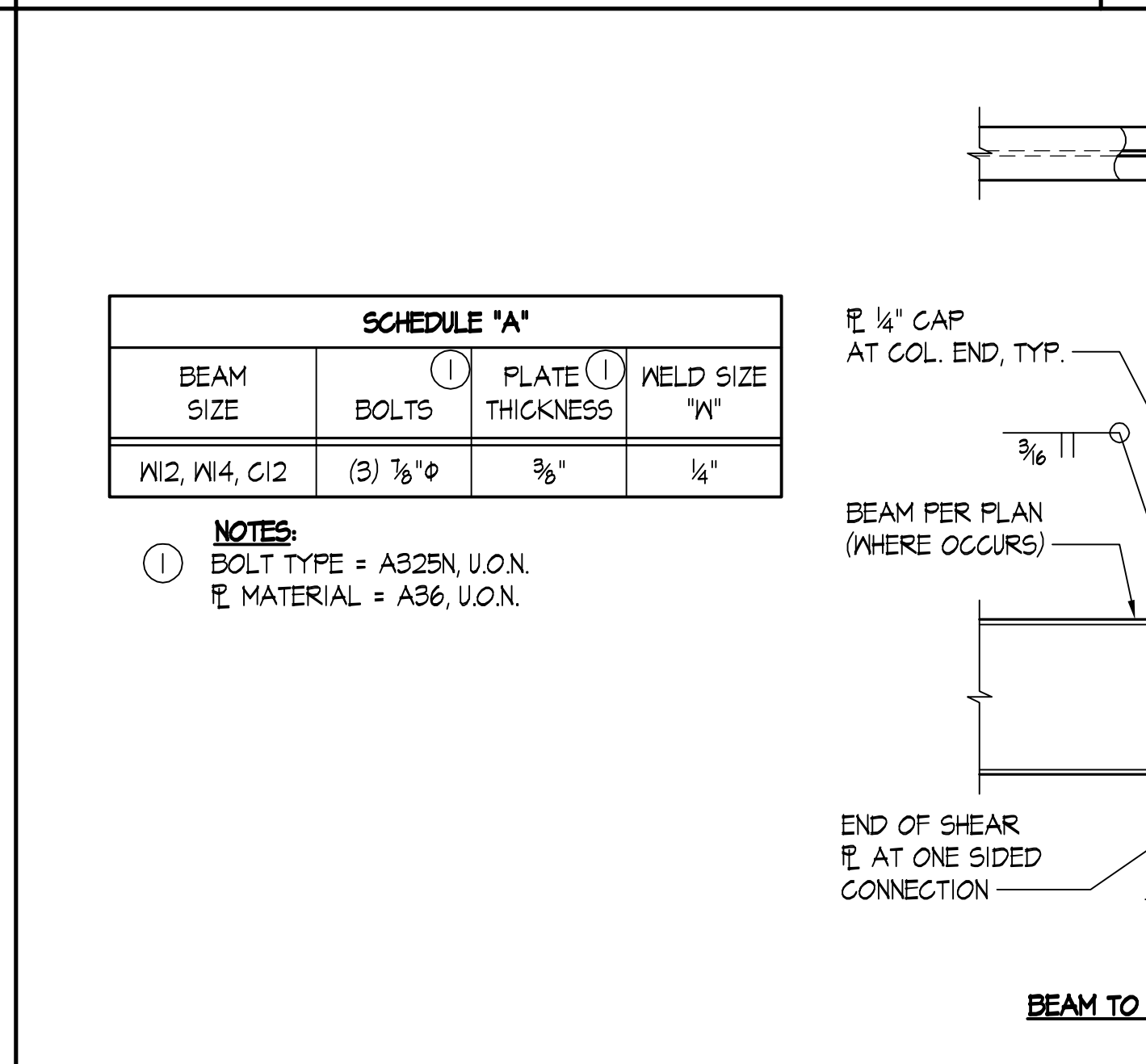
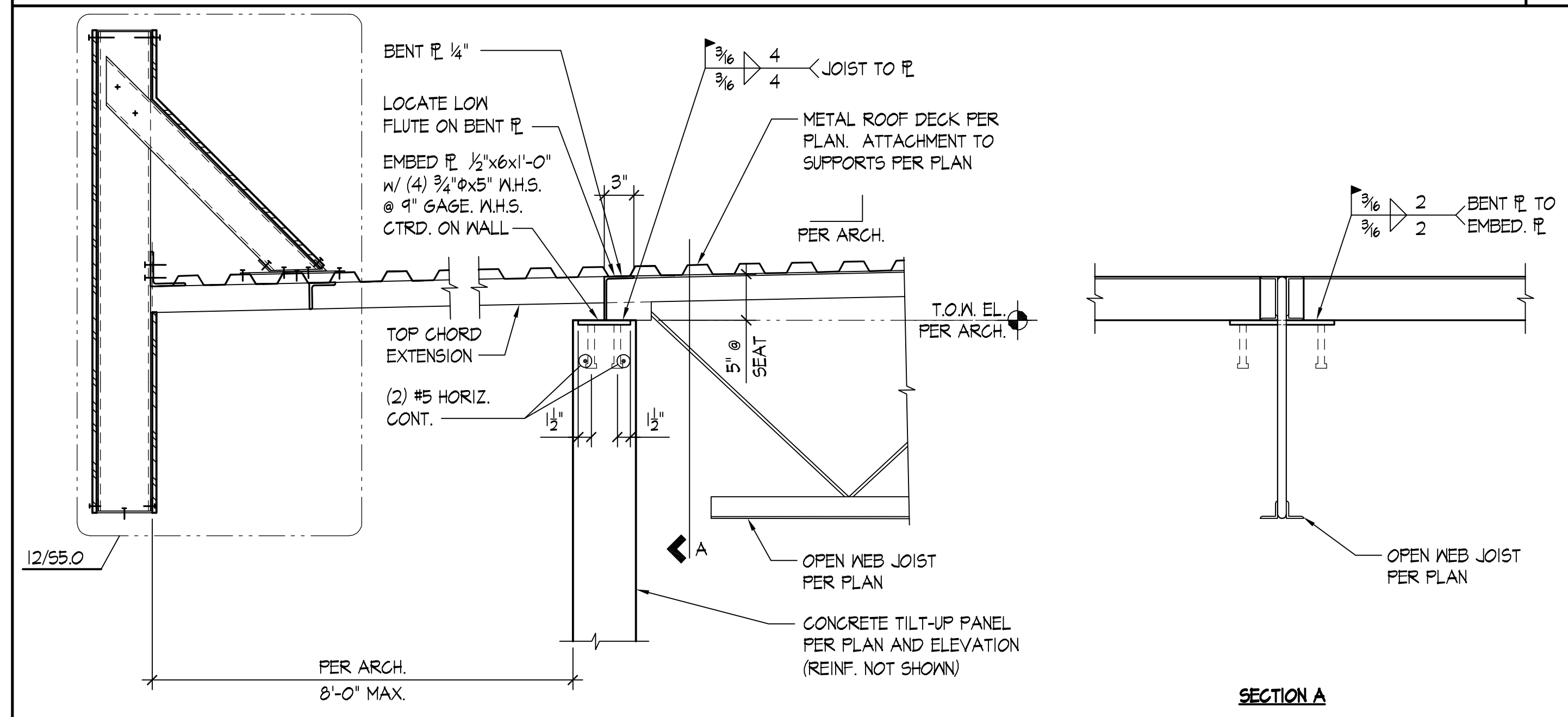
Job Number:  
22607.01



TYPICAL ROOF JOIST AT CONCRETE WALL - PARAPET SCALE: NONE 2

ROOF JOIST AT CONCRETE WALL JOINT SCALE: NONE 3

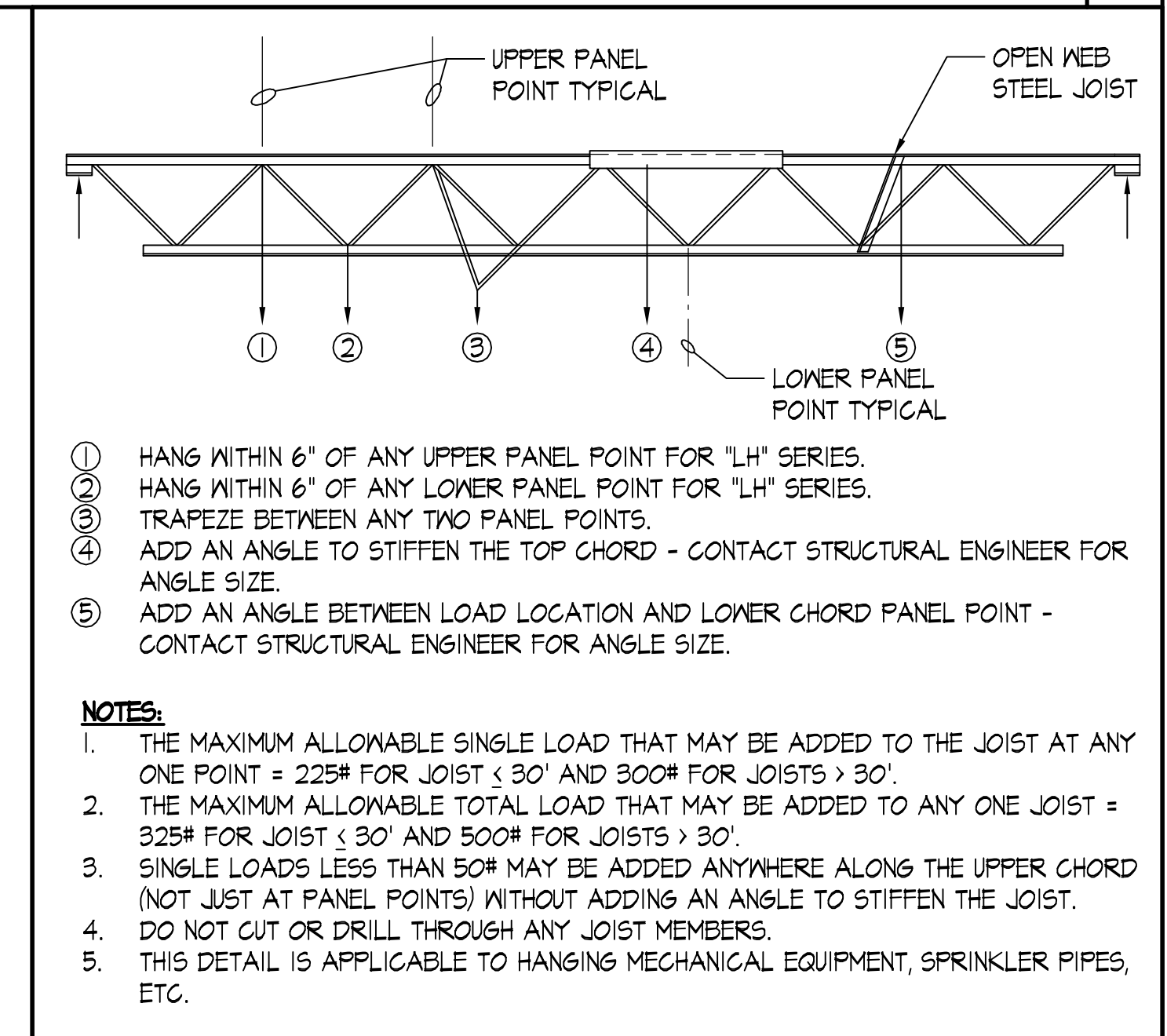
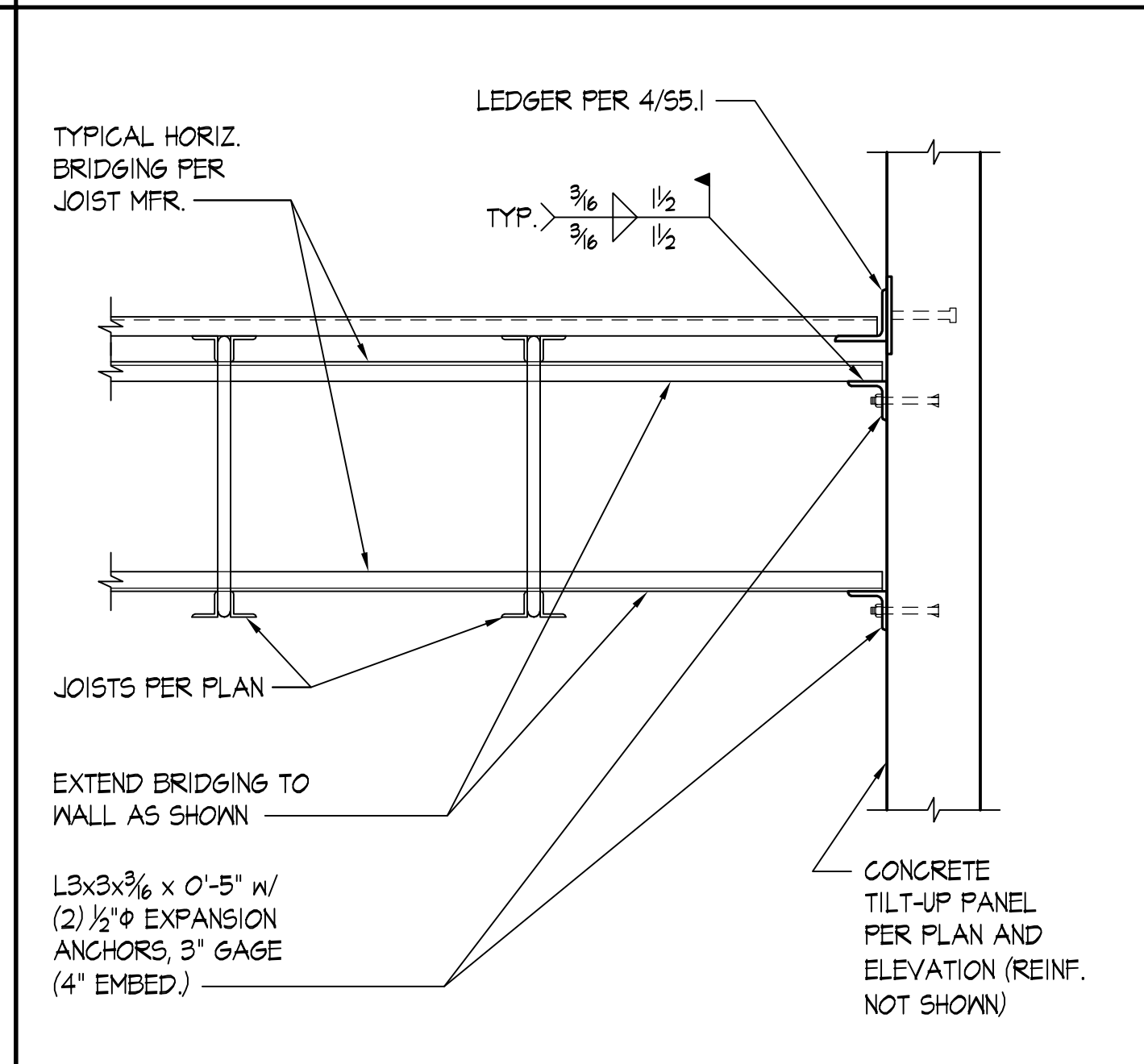
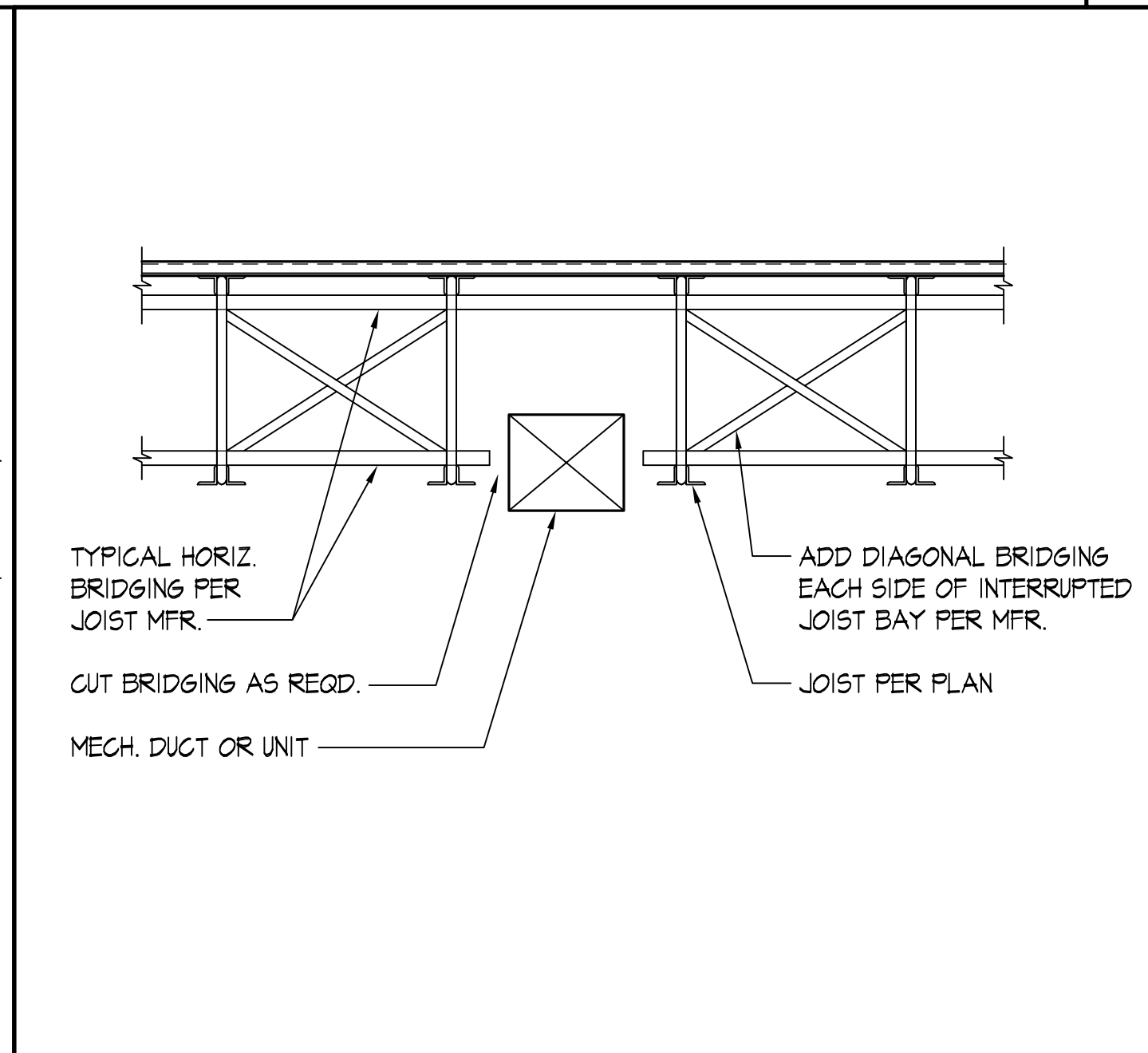
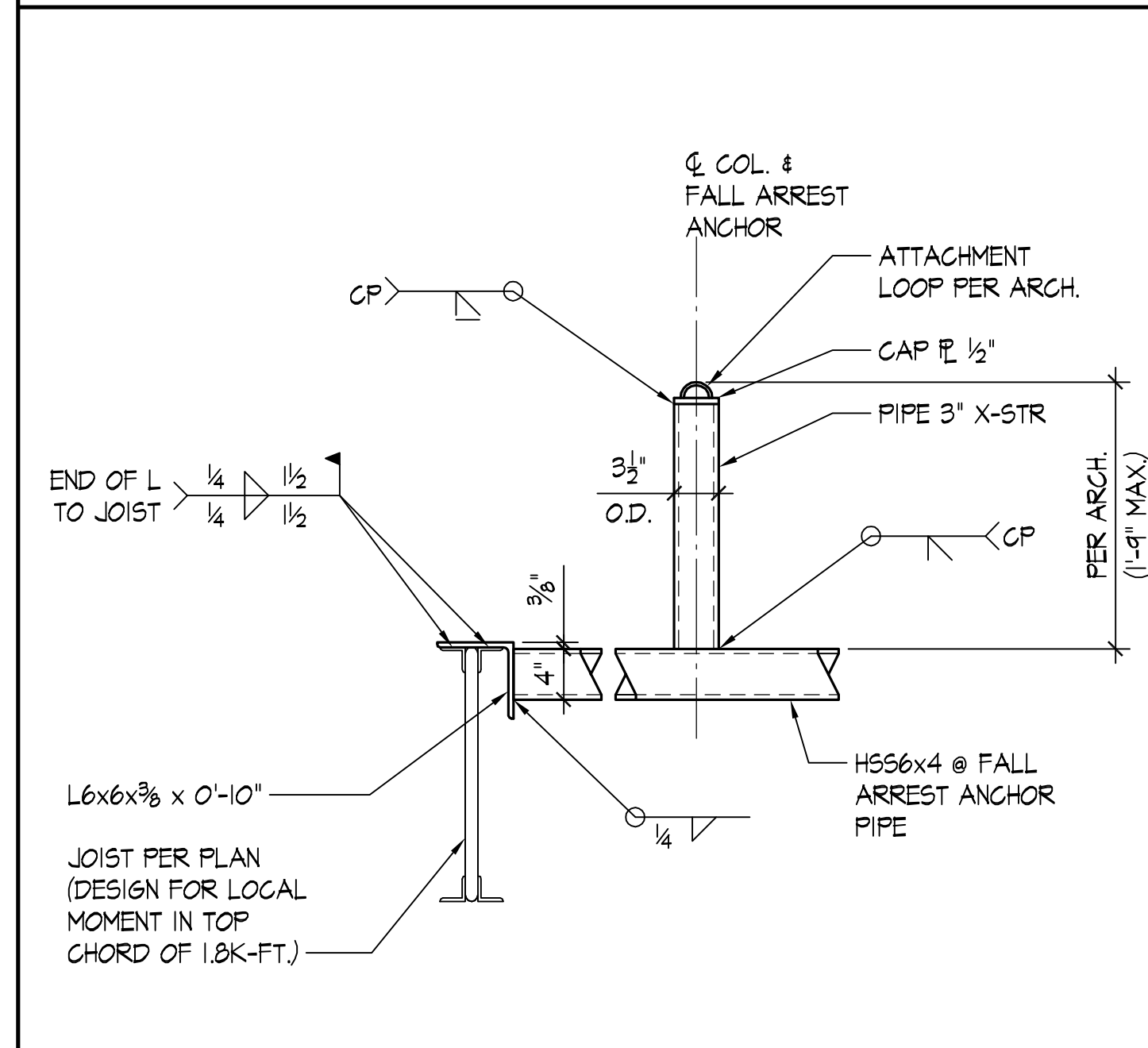
TYPICAL PERIMETER CONCRETE WALL AT ROOF DECK SCALE: NONE 4



TYPICAL ROOF JOIST AT CONCRETE WALL - TOP OF WALL CONNECTION SCALE: NONE 6

TYPICAL BOLTED BEAM CONNECTION SCALE: NONE 8

BEAM TO HSS COLUMN (1 OR 2 BEAMS) SCALE: NONE 8



FALL RESTRAINT ANCHOR AT HSS BEAM SCALE: NONE 9

TYPICAL DISCONTINUOUS JOIST BRIDGING SCALE: NONE 10

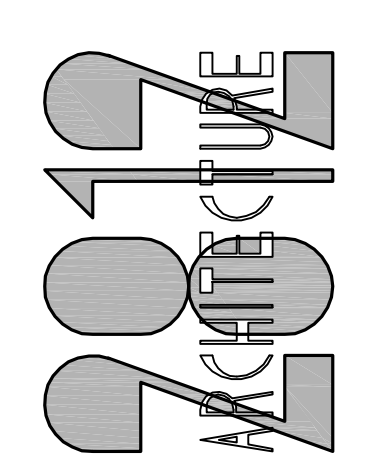
TYPICAL JOIST BRIDGING AT CONCRETE WALL SCALE: NONE 11

ALLOWABLE METHODS & LOCATIONS FOR HANGING LOADS FROM OPEN WEB STEEL JOIST SCALE: NONE 12

For:	PERMIT SET
Date:	BUILDING PERMIT SUBMITTAL
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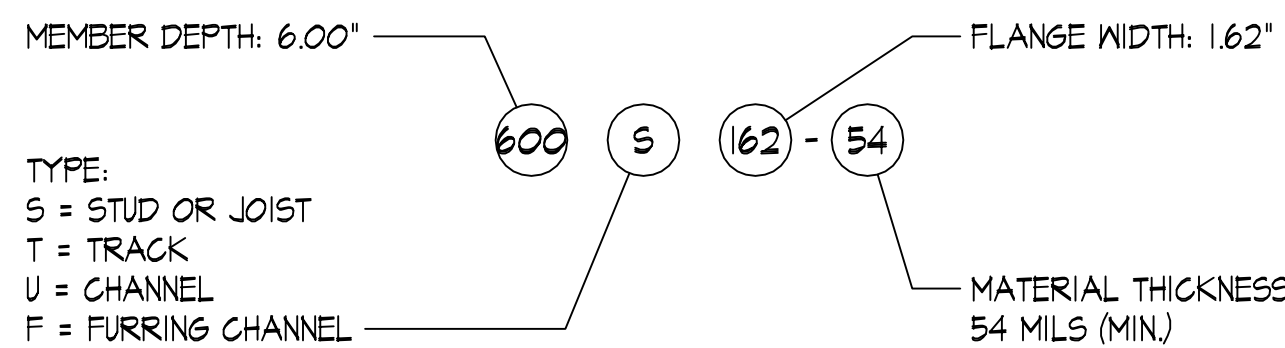
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 Arlington, Washington  
 STEEL DETAILS

Drawing:	<b>S5.1</b>
Job Number:	22607.01



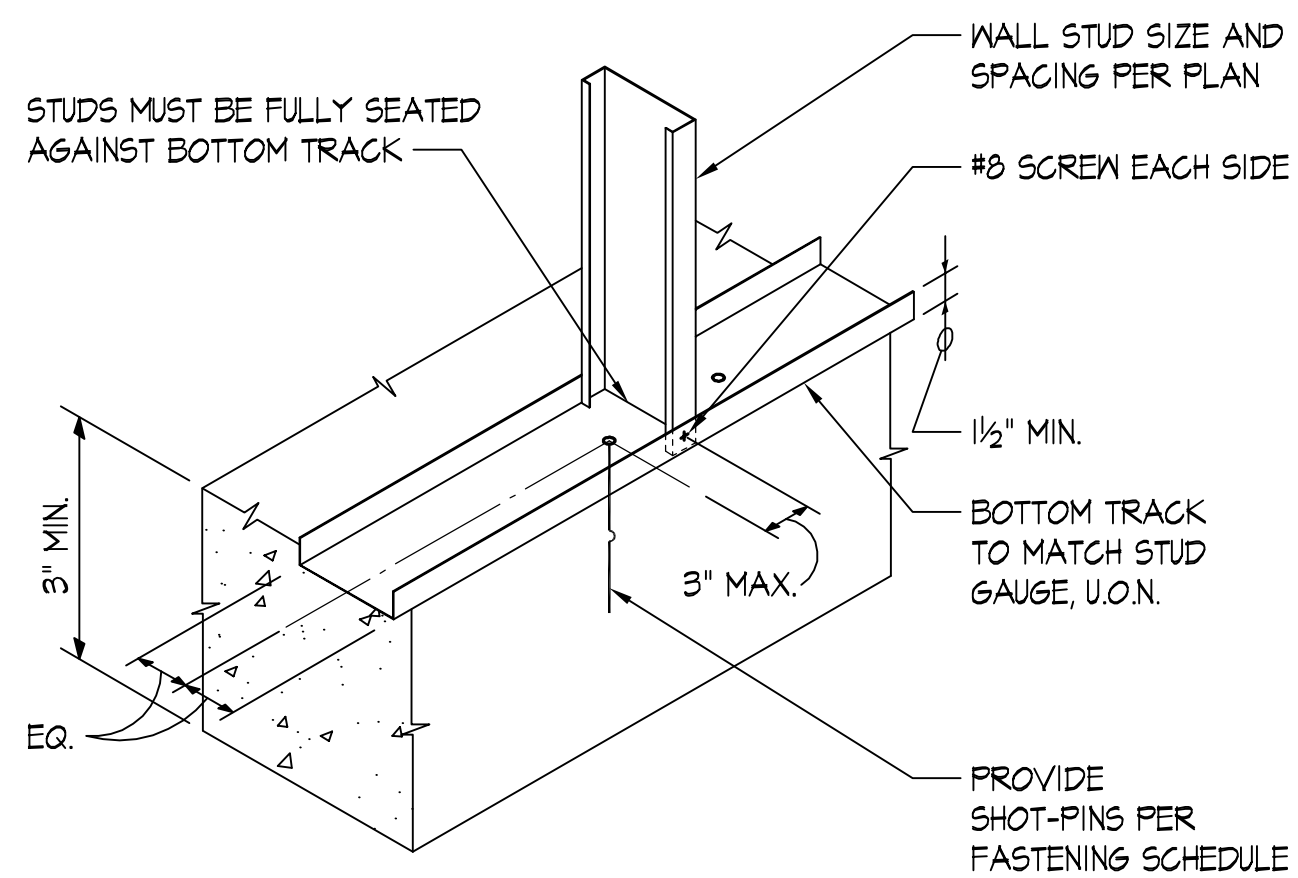
CONVERSION CHART		
MIL.	GAUGE	NOTES
30	20	DRYWALL
33	20	STRUCTURAL
43	18	
54	16	
68	14	
97	12	

**EXAMPLE:**



**NOTES:**

- ALL "SHOT-PINS" SHALL BE POWDER ACTUATED FASTENERS PER THE STRUCTURAL GENERAL NOTES.
- SEE 5/56.0 FOR BOTTOM TRACK ATTACHMENT AT SHEAR WALLS.

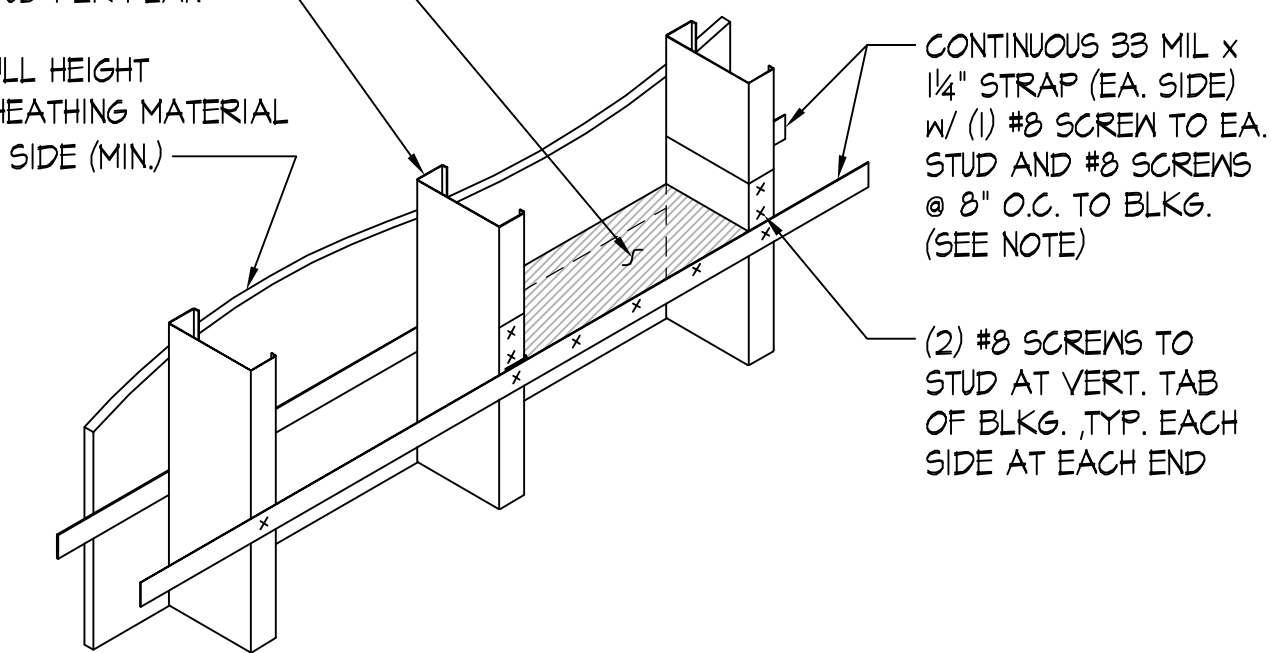


FASTENING SCHEDULE	
WALL CONDITION	FASTENING REQUIREMENT
EXTERIOR STUD WALLS	(2) SHOT-PINS AT EACH STUD, ALSO PROVIDE (1) SHOT-PIN WITHIN 6" OF WALL END OR JAMB
INTERIOR STUD WALLS	(1) SHOT-PIN AT EACH STUD, ALSO PROVIDE (1) SHOT-PIN WITHIN 9" OF WALL END OR JAMB

**NOTE:**  
MAXIMUM STUD HEIGHT OF 12 FEET

33 MIL. TRACK BLKG. @ 48" O.C. HORIZONTALLY, MAX. (SEE NOTE)

STUD PER PLAN  
FULL HEIGHT SHEATHING MATERIAL (1) SIDE (MIN.)



**NOTE:**  
PROVIDE HORIZ. STRAPPING/BLKG. AT 3RD POINTS OF STUD HEIGHT

TYPICAL LIGHT GAUGE STEEL NOTATION (SSMA STANDARD)

SCALE: NONE

TYPICAL BOTTOM TRACK ATTACHMENT TO CONCRETE

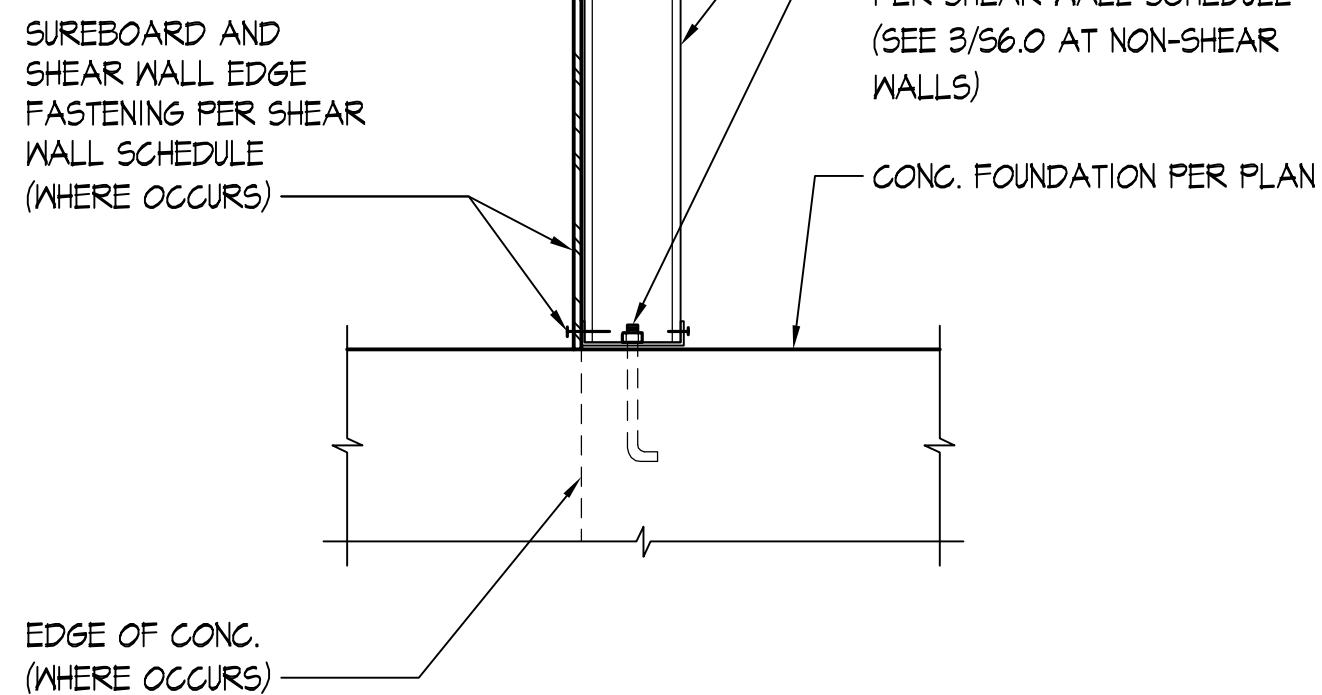
SCALE: NONE

3

TYPICAL HORIZONTAL STRAPPING/BLOCKING

SCALE: NONE

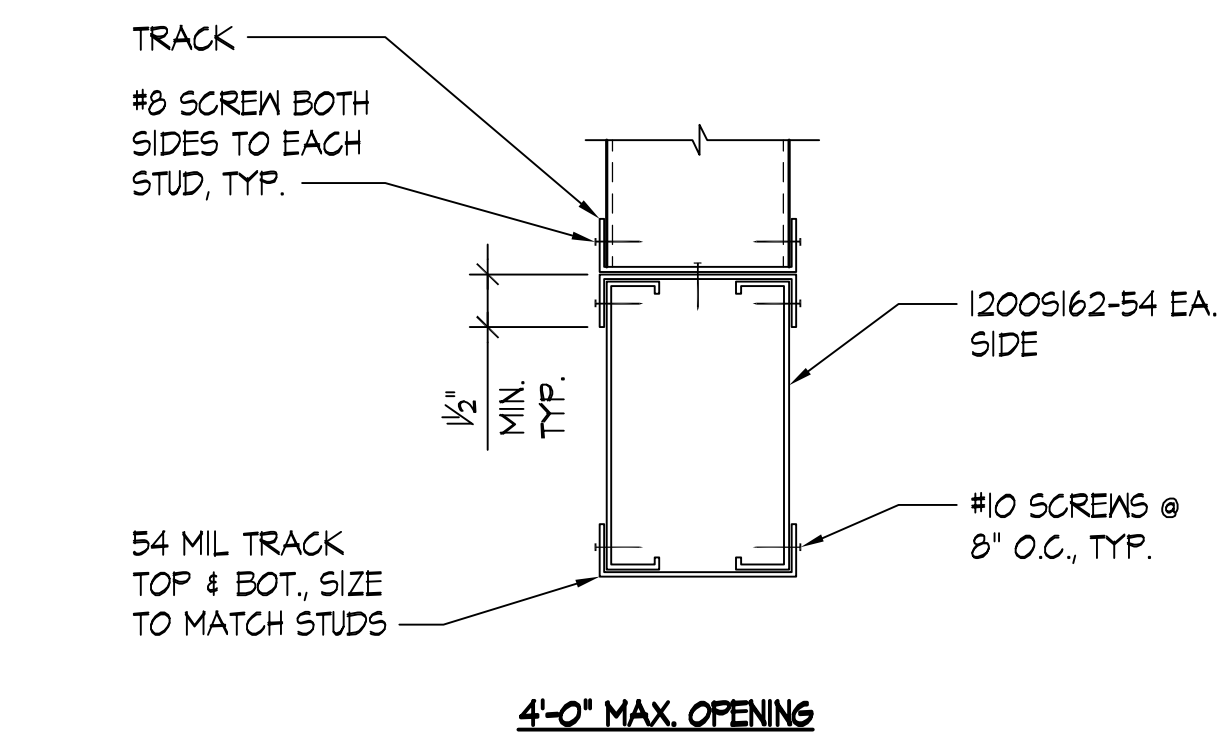
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TYPICAL WALL TO CONCRETE

SCALE: NONE

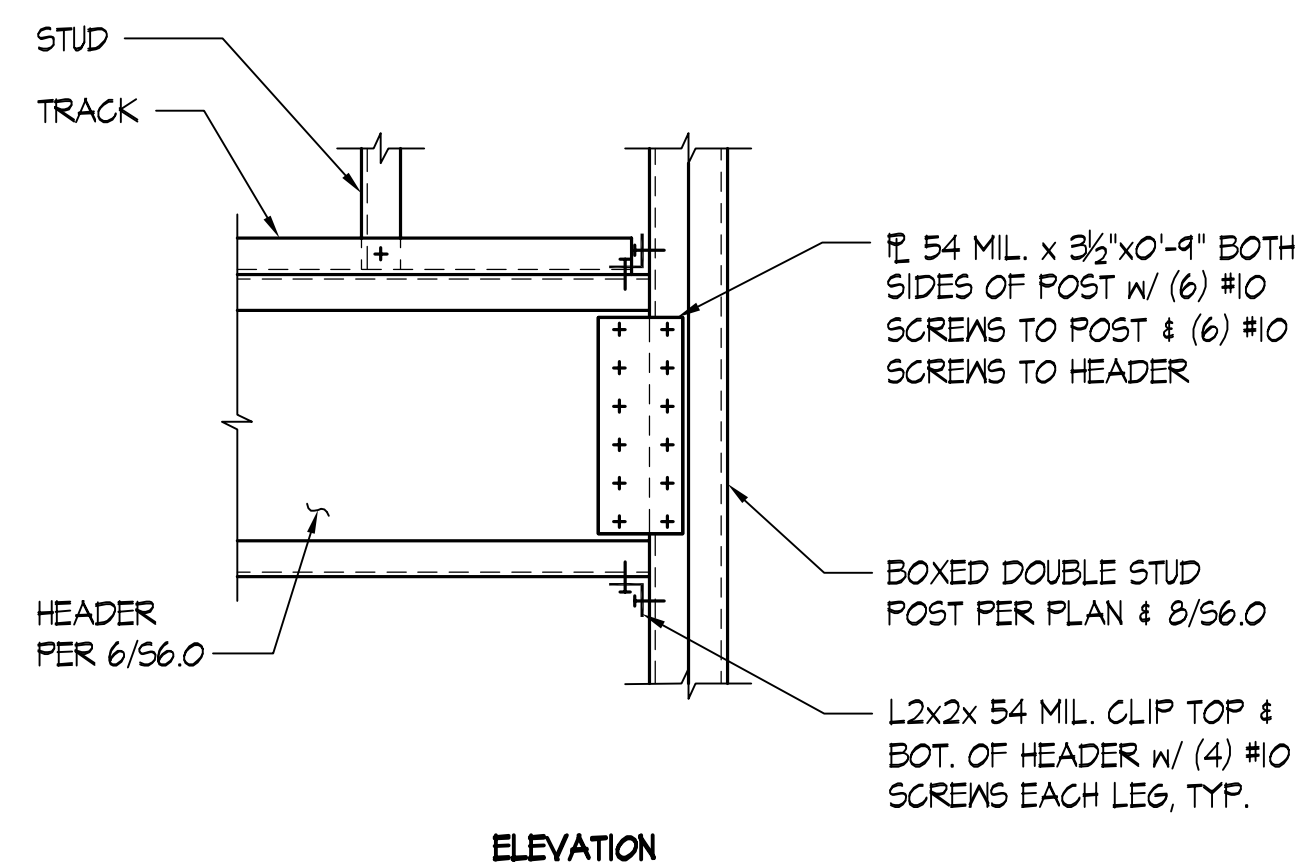
5



TYPICAL HEADER

SCALE: NONE

6

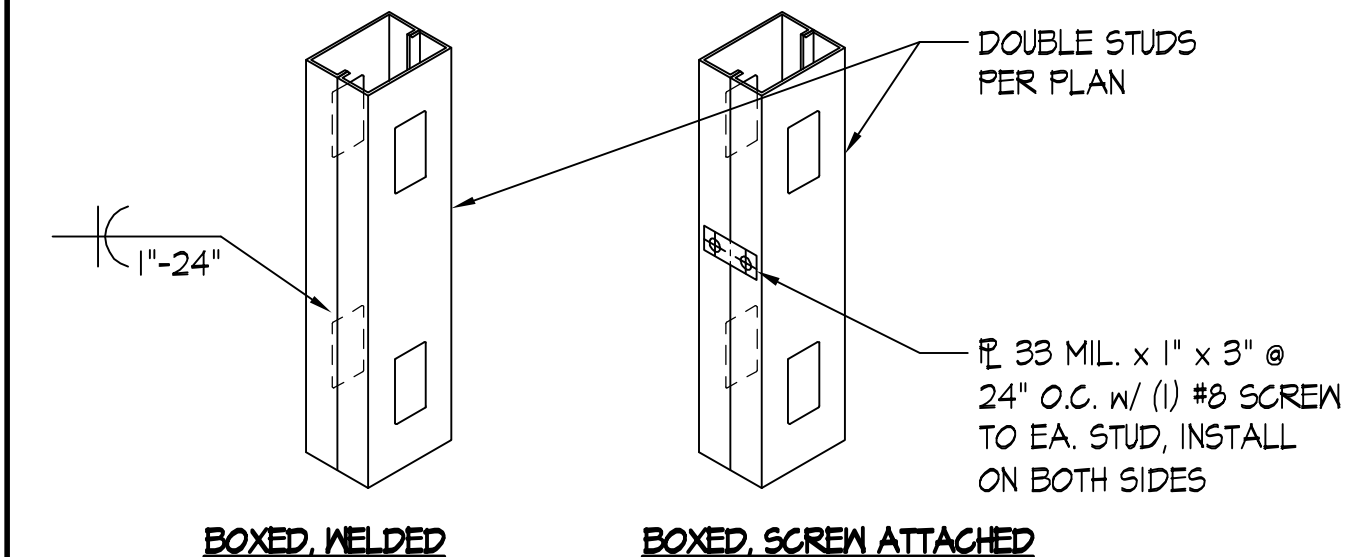


TYPICAL HEADER CONNECTION

SCALE: NONE

7

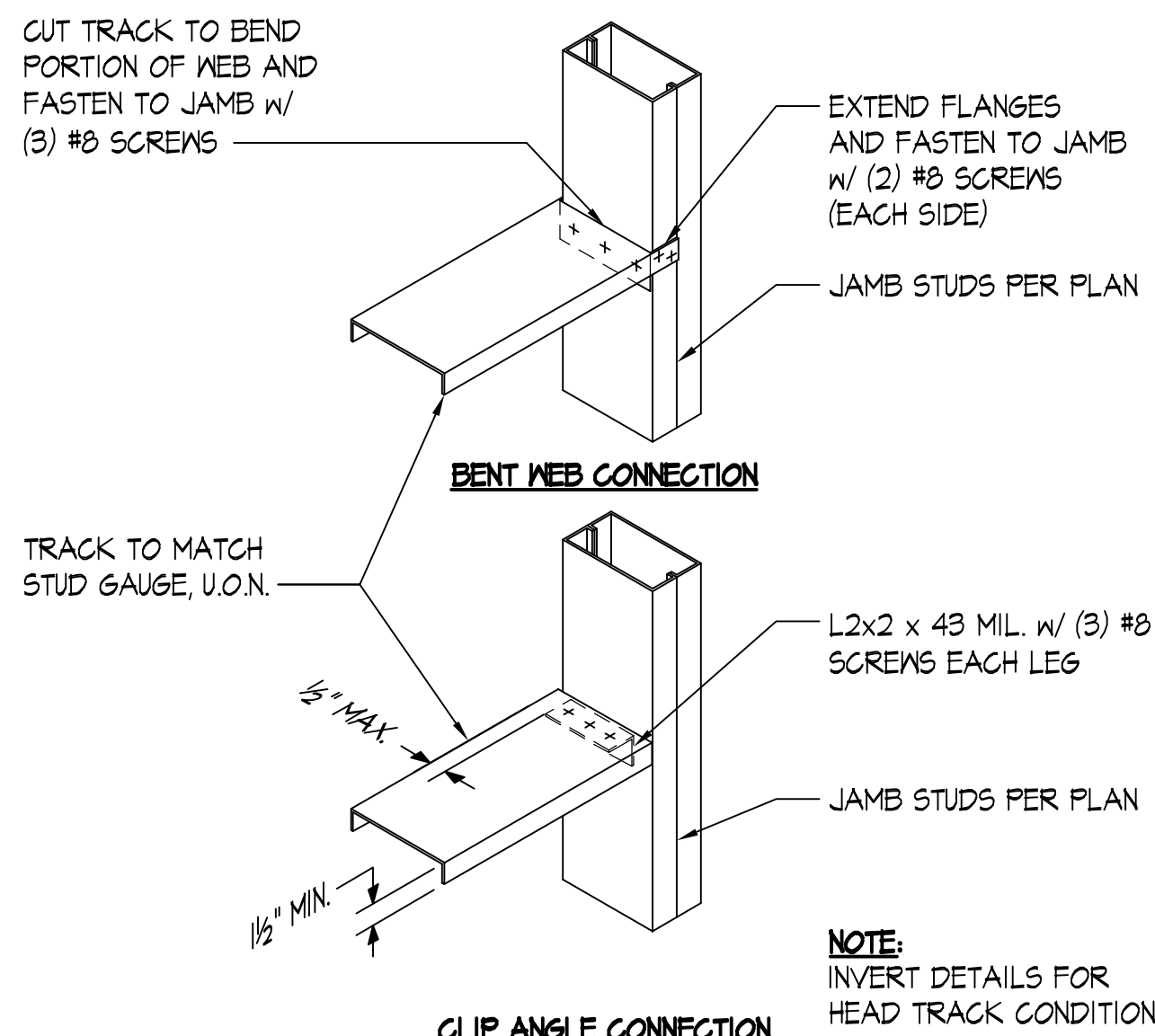
BACK-TO-BACK WELDED BACK-TO-BACK SCREW ATTACHED



TYPICAL DOUBLE STUD

SCALE: NONE

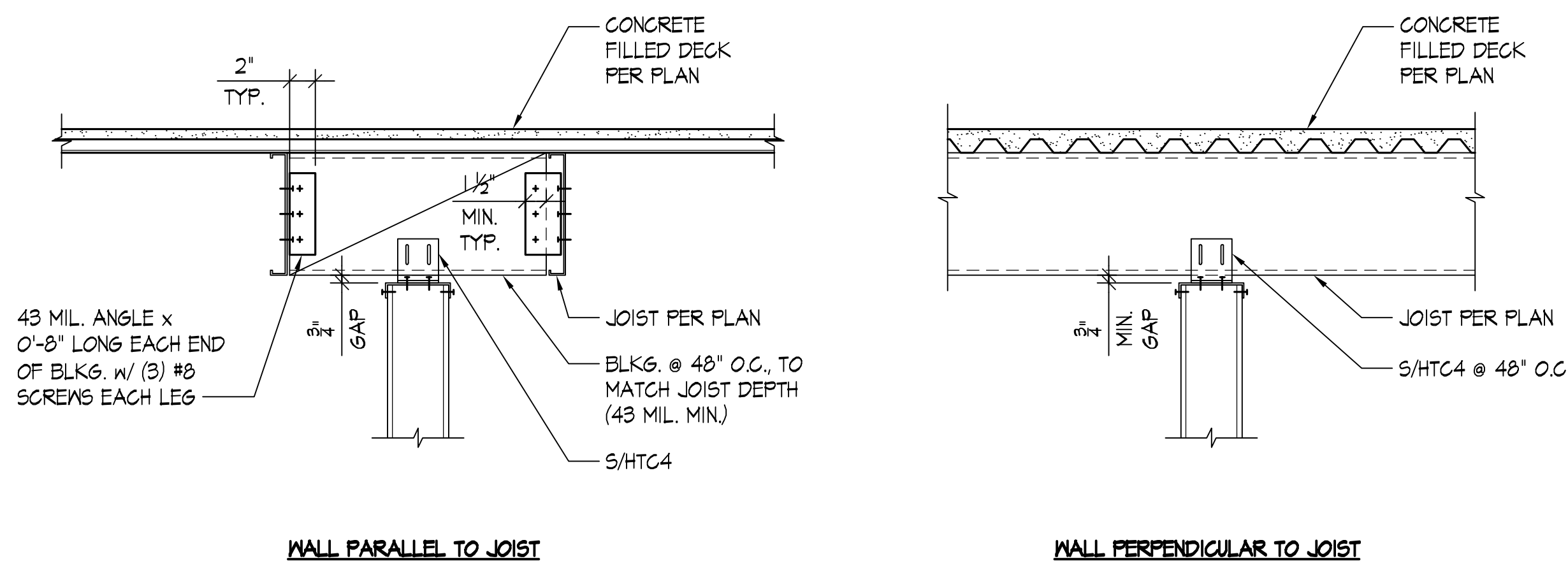
8



TYPICAL SILL AND HEAD TRACK CONNECTIONS

SCALE: NONE

9



NON-BEARING STUD WALL CONNECTIONS

SCALE: NONE

11

TYPICAL LIGHT GAUGE METAL FASTENING SCHEDULE	
CONNECTION:	SHEET METAL SCREWS: ① ②
1. JOIST TO TRACK	(2) #8
2. BRIDGINS TO JOIST, CLIPS EA. END	(3) #8
3. 1" x 6" SUBFLOOR OR LESS TO EACH JOIST, FACE SCREW	(2) #8
4. WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST, FACE SCREW	(3) #8
5. 2" SUBFLOOR TO JOIST OR BEAM, BLIND AND FACE SCREW	(2) #8
6. BOTTOM TRACK TO JOIST OR BLOCKING, FACE SCREW	#8 @ 16" O.C.
7. TOP & BOT TRACK TO EA STUD	#8 EA SIDE
8. DOUBLE STUDS, FACE SCREW	(2) ROWS #8 @ 12" O.C.
9. TOP TRACK AT INTERSECTIONS, FACE SCREW	(4) #8
10. TOP TRACK AT LAPS, FACE SCREW	(6) #8
11. CEILING JOISTS TO PLATE	(2) #8
12. CEILING JOISTS, LAPS OVER PARTITIONS, FACE SCREWS	(2) #8
13. CEILING JOISTS TO PARALLEL RAFTERS, FACE SCREWS	(2) #8
14. RAFTER TO TRACK	(2) #8
15. 1" x 8" SHEATHING OR LESS TO EACH BEARING, FACE SCREW	(2) #8
16. WIDER THAN 1" x 8" SHEATHING TO EACH BEARING, FACE SCREW	(3) #8
17. BUILT UP CORNER STUDS	#8 @ 12" O.C.
18. BUILT UP BEAMS	#8 @ 12" O.C. @ T4B, EA SIDE

**FOOTNOTES:**

- U.O.N. ON PLAN OR OTHER DETAILS
- LARGER SCREWS MAY BE SUBSTITUTED FOR THOSE SHOWN

TYPICAL LIGHT GAUGE METAL FASTENING SCHEDULE

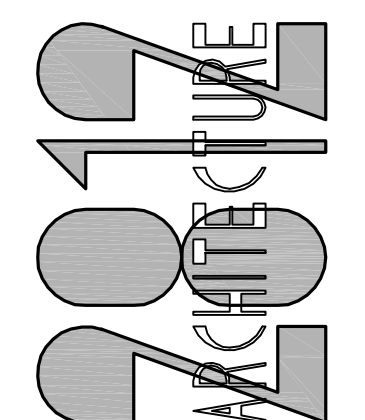
SCALE: NONE

12

For:	PERMIT SET	BUILDING PERMIT RESUBMITTAL
Date:	02/09/2023	03/07/2023



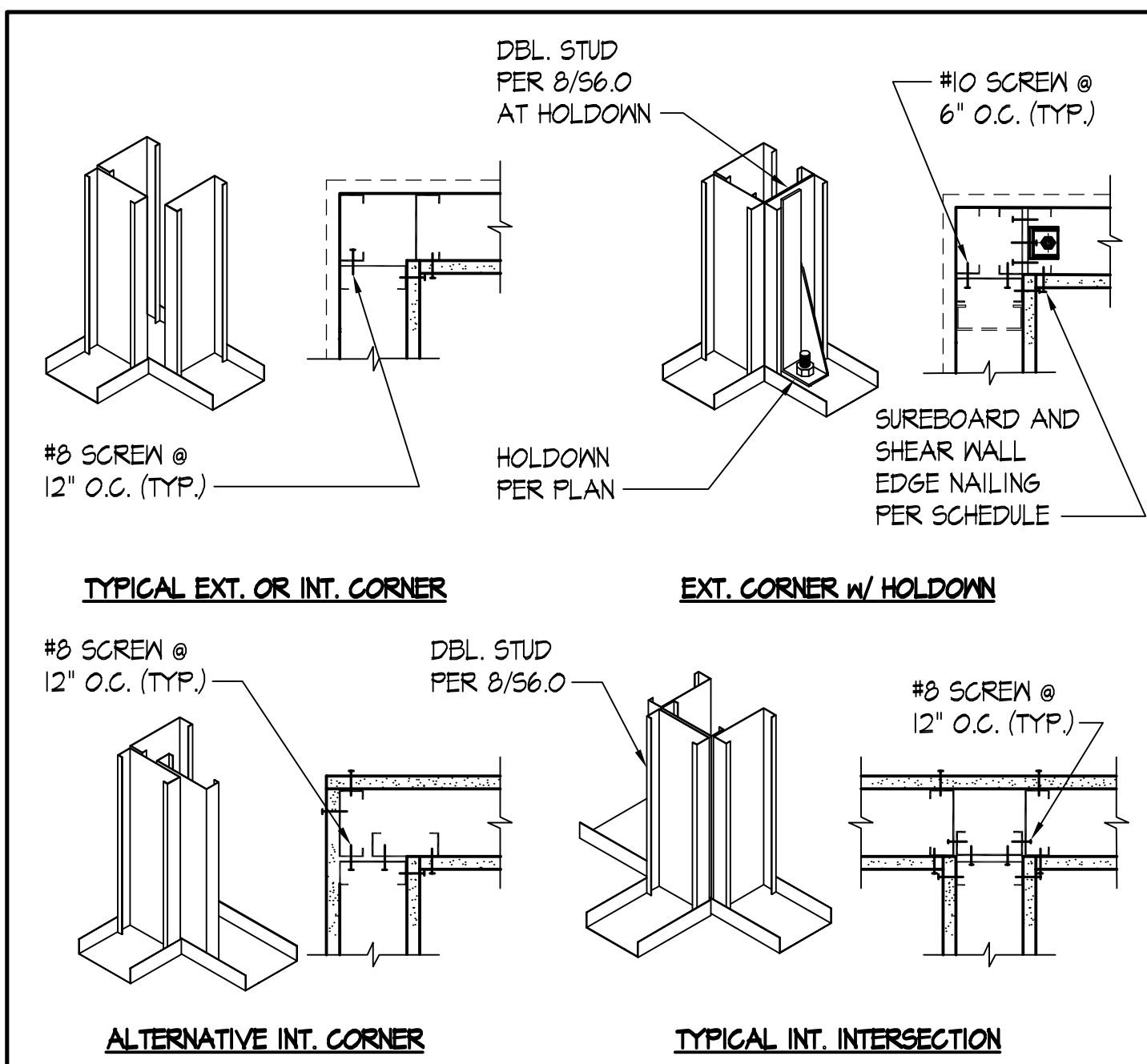
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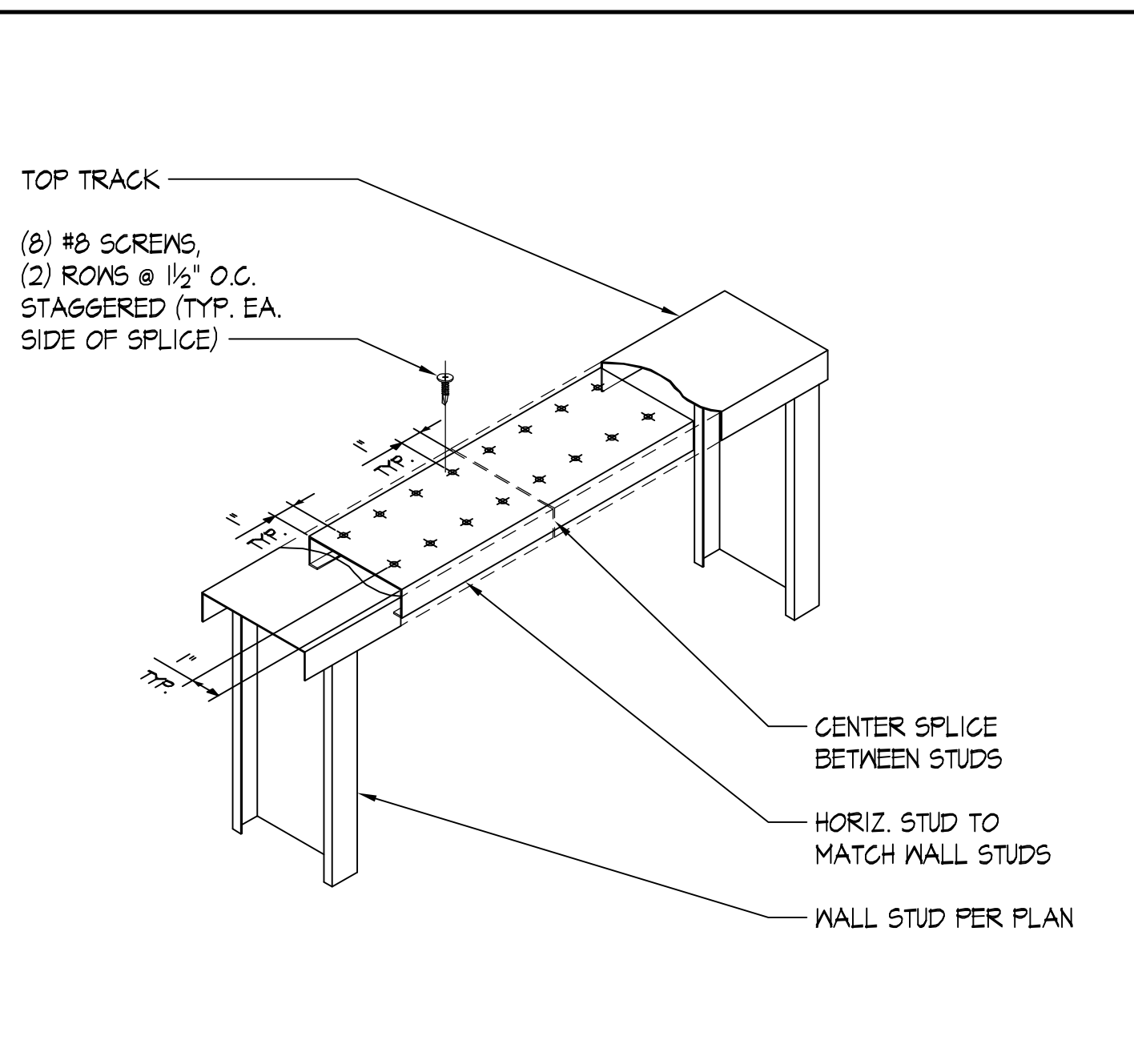
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Consultant:  
TYPICAL LIGHT GAUGE DETAILS

Drawing:	<b>S6.0</b>
Job Number:	22607.01



TYPICAL WALL INTERSECTION SCALE: NONE

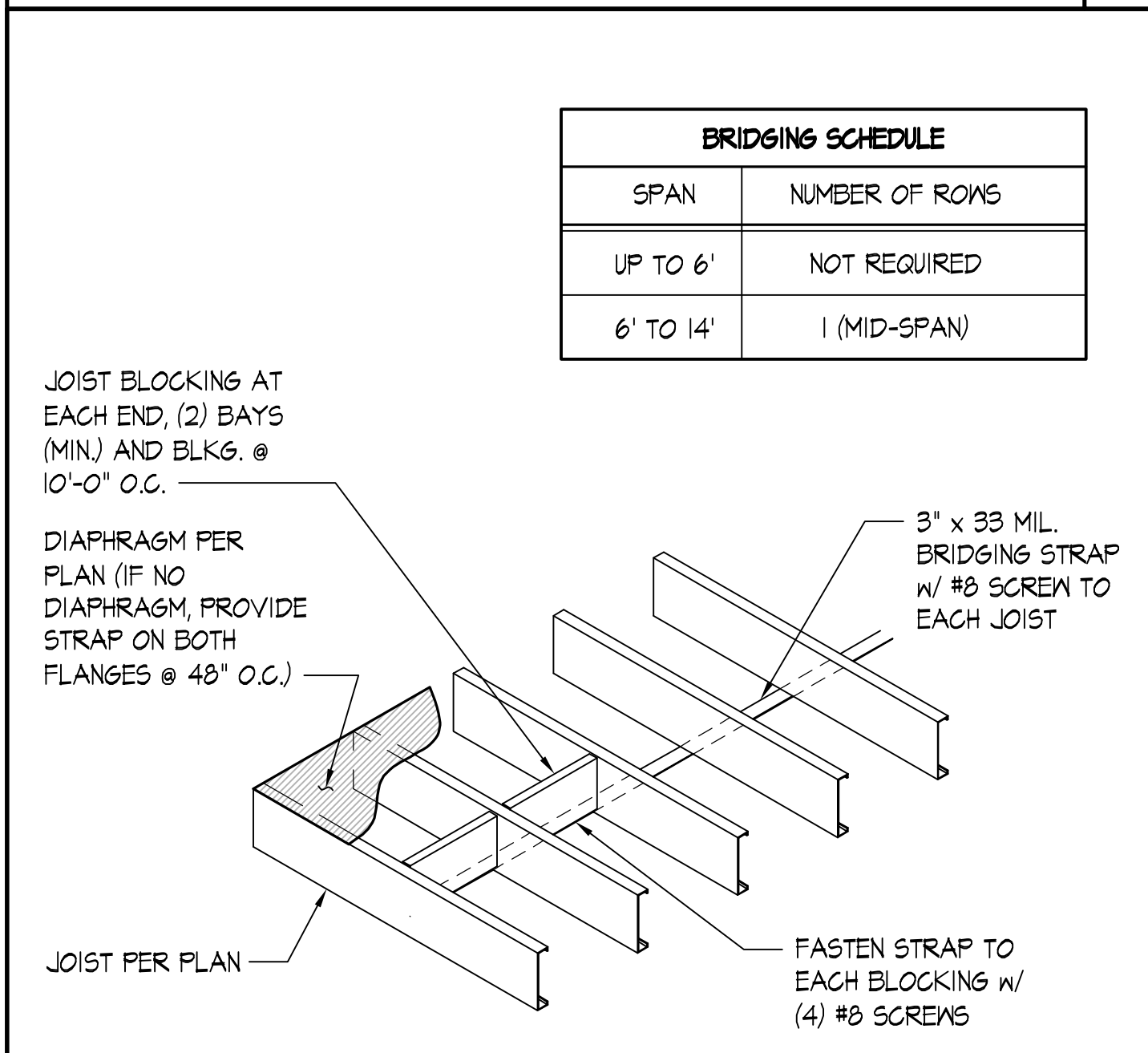


TYPICAL TOP TRACK SPLICE SCALE: NONE

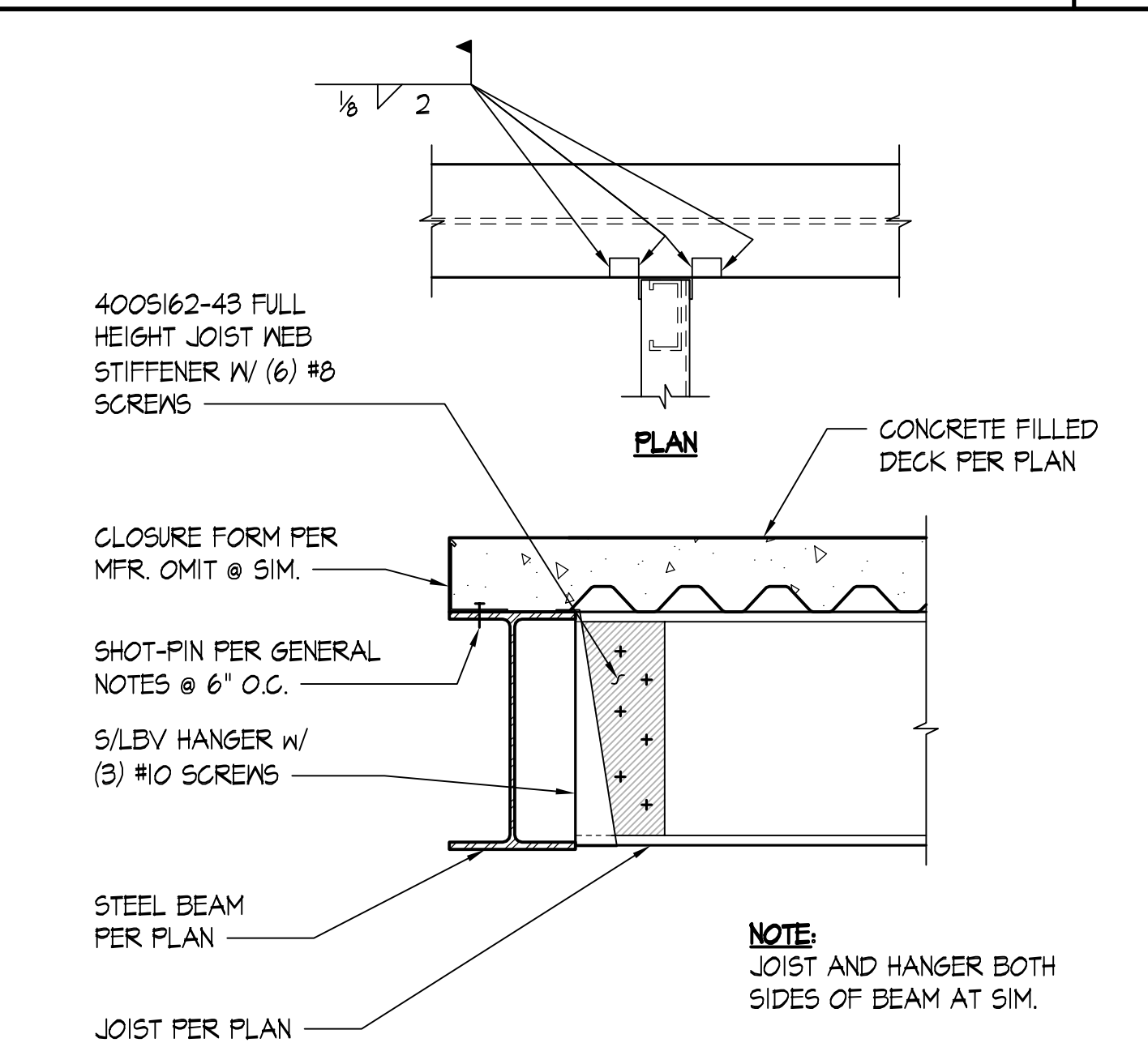
SHEAR WALL SCHEDULE				
SHEAR WALL TYPE	SHEATHING	PANEL EDGE FASTENERS	HORIZONTAL TRACK FASTENERS	BOTTOM TRACK ANCHOR BOLTS TO CONCRETE (54 MIL. TRACK MIN.)
SW-6	22GA. SUREBOARD	#10 SCREW @ 6" O.C.	(2) ROWS OF #8 SCREWS @ 16" O.C.	3/8" φ BOLT @ 48" O.C.

- NOTES:**
1. FASTENERS IN THE FIELD SHALL BE #10 SCREWS @ 12" O.C.
  2. BLOCK ALL PANEL EDGES. INSTALL PANELS VERTICALLY.
  3. PROVIDE PANEL EDGE FASTENERS TO MULTIPLE STUDS AT HOLDDOWNS.
  4. EMBED CAST-IN-PLACE ANCHOR BOLTS 7" MIN. PER 5/56.0.
  5. EQUIVALENT φ EPOXY MAY BE USED IN PLACE OF CAST-IN-PLACE ANCHOR. (EMBED 5 1/2" MIN.)
  6. "SUREBOARD" IS SERIES 200 STRUCTURAL PANELS COMPLYING WITH THE GENERAL NOTES.

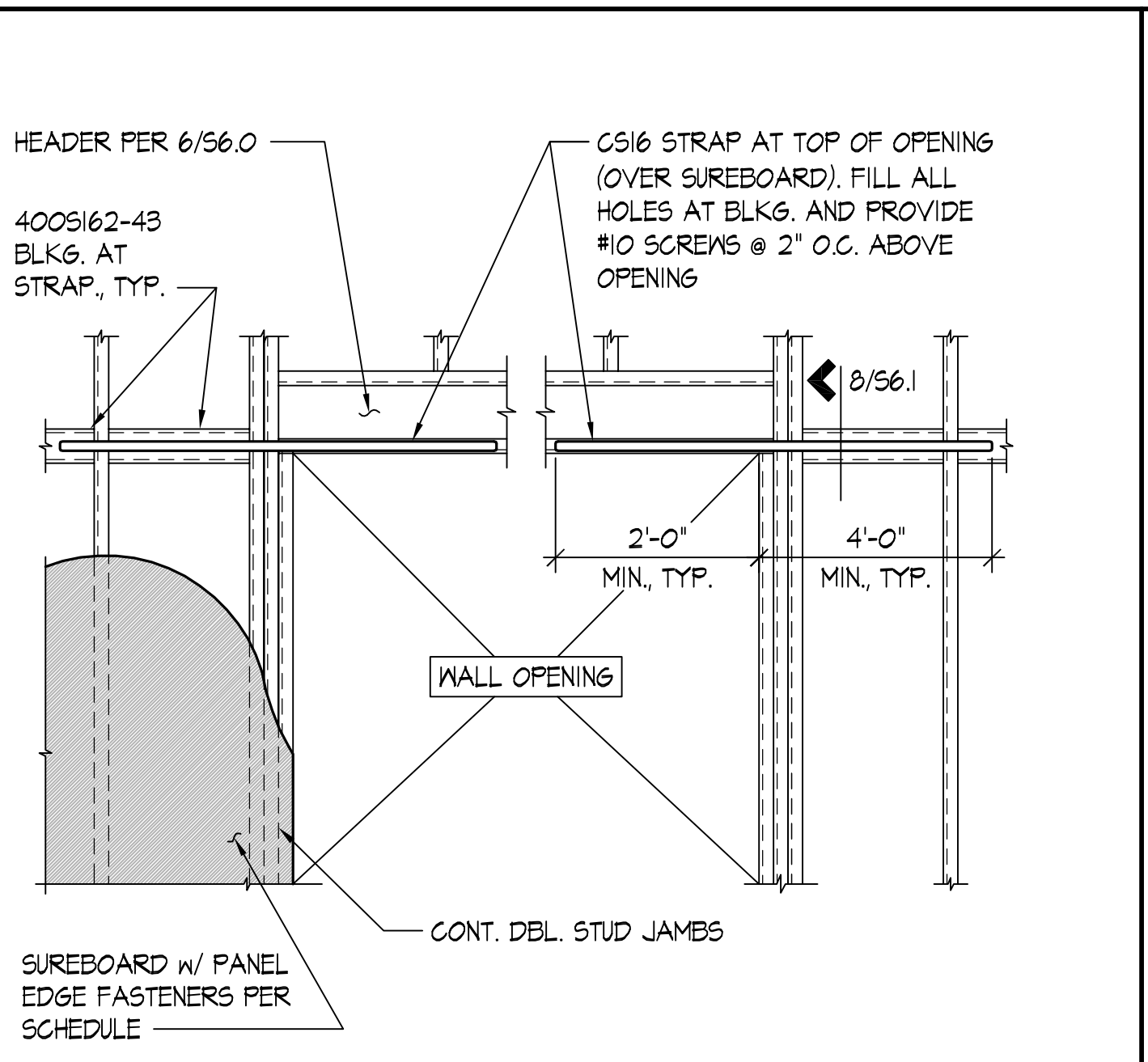
SHEAR WALL SCHEDULE SCALE: NONE



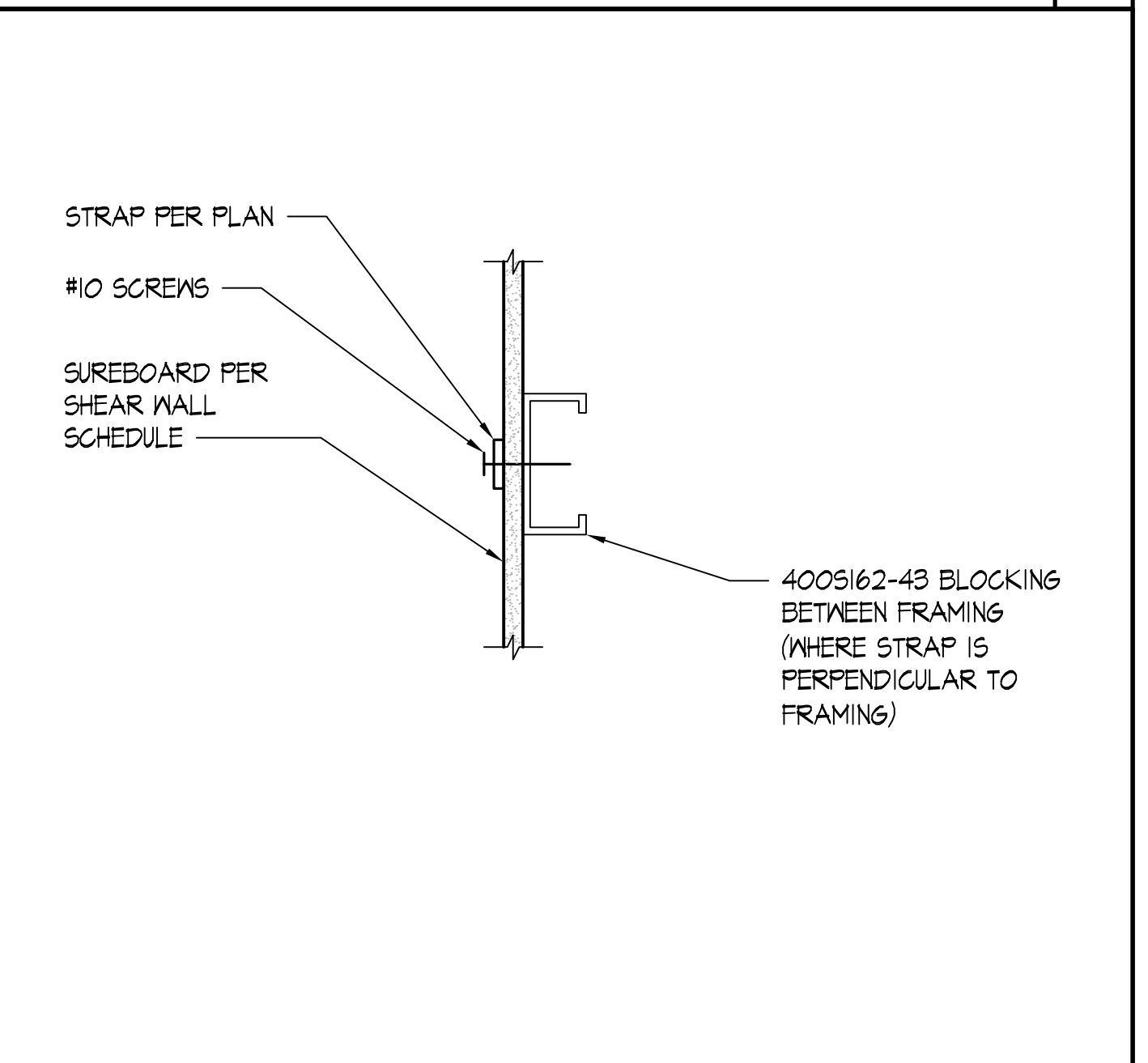
TYPICAL JOIST BRIDGING DETAIL SCALE: NONE



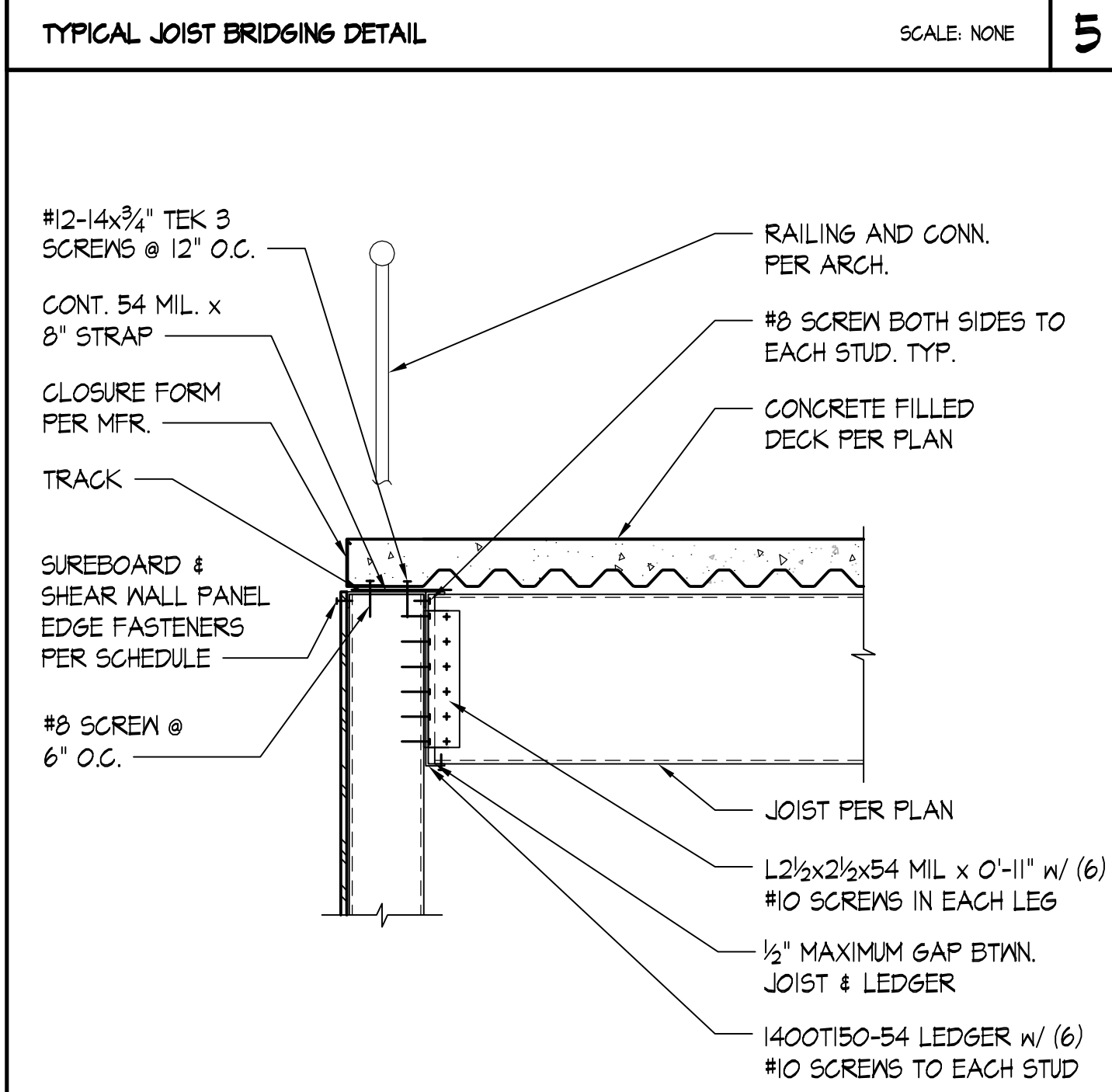
TYPICAL JOIST CONNECTION TO STEEL BEAM SCALE: NONE



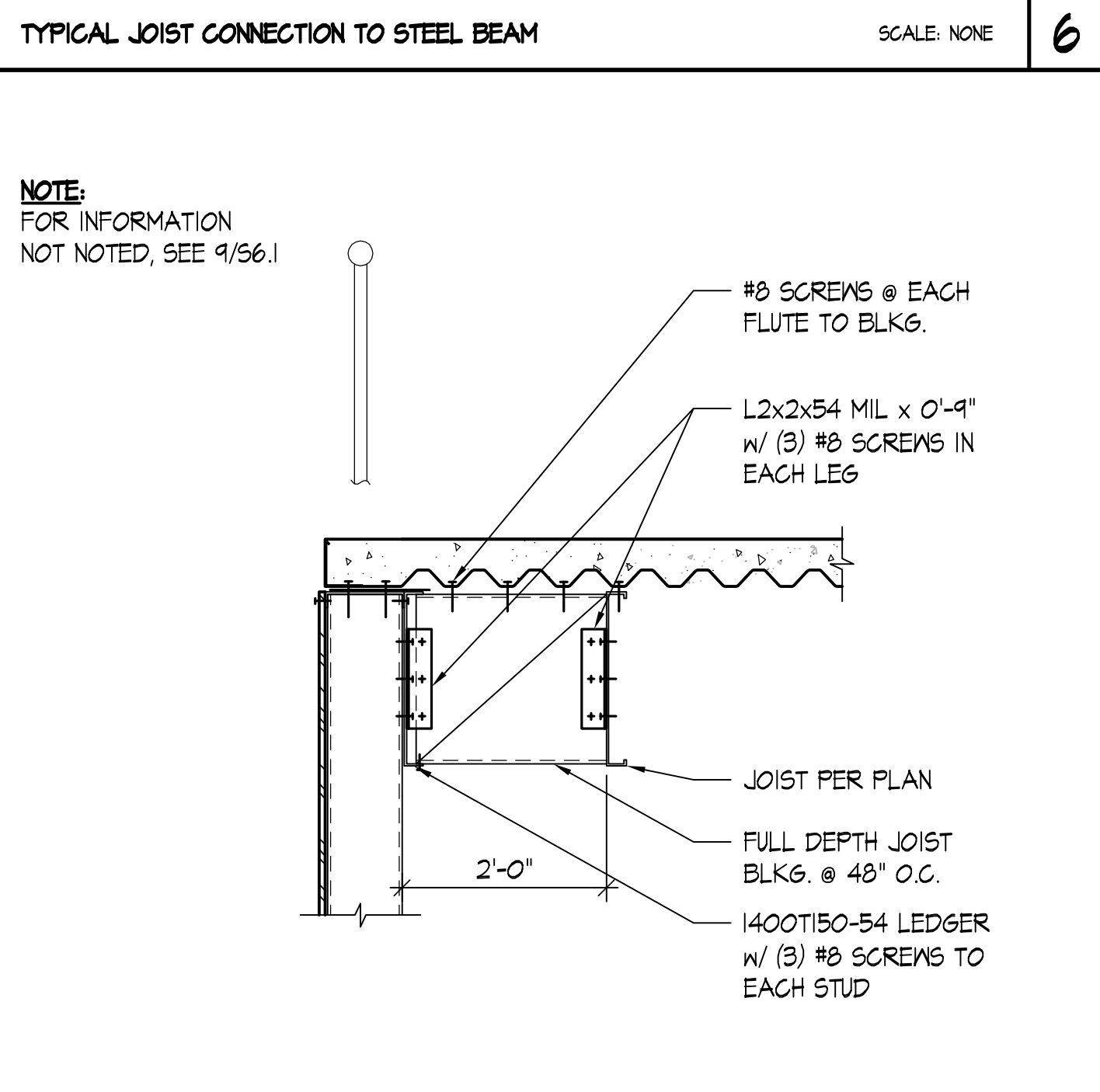
STRAPPING AROUND SHEAR WALL OPENING SCALE: NONE



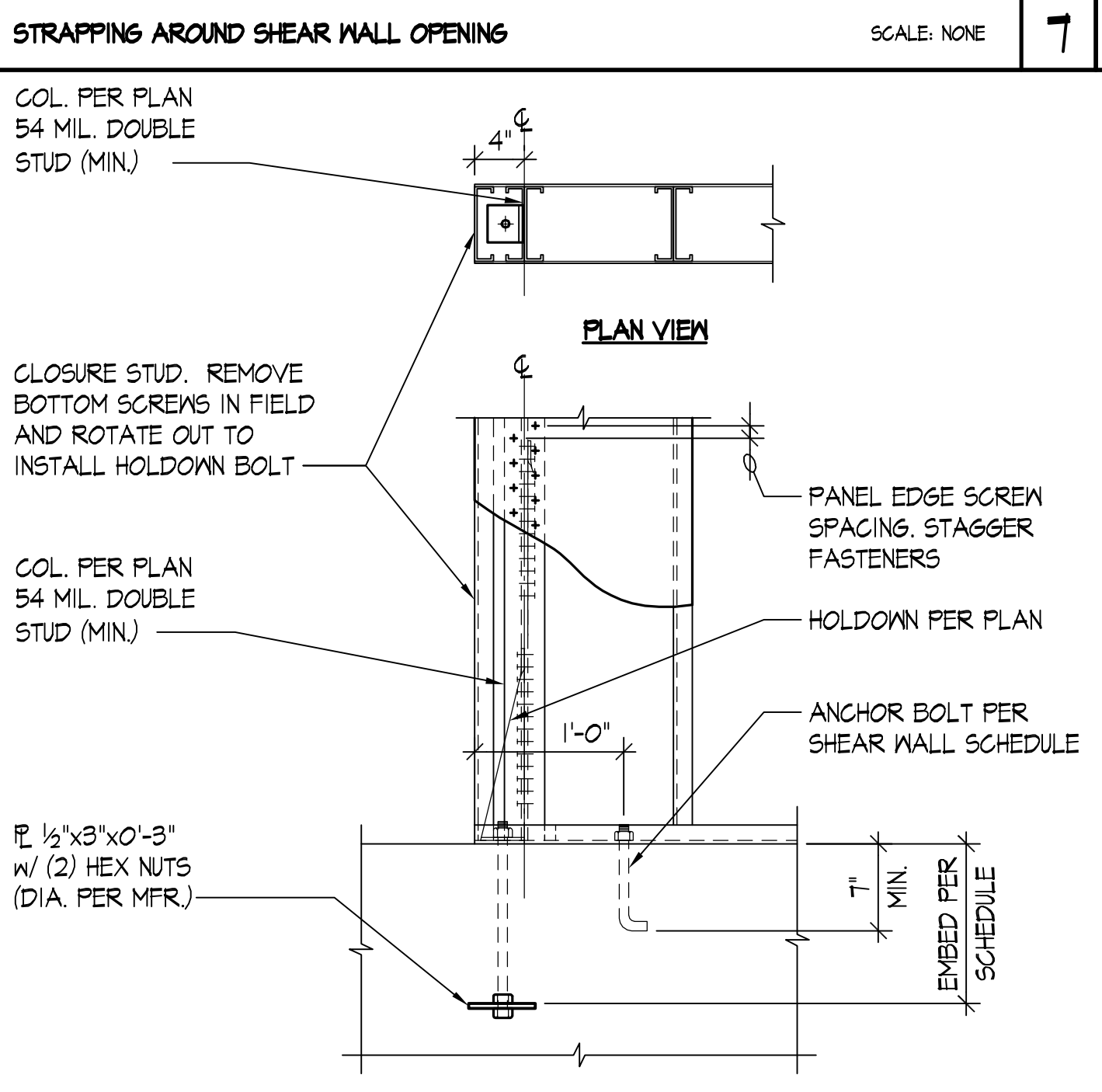
STRAP TO BLOCKING DETAIL SCALE: NONE



TYPICAL BALLOON-FRAMED WALL - JOISTS PERPENDICULAR SCALE: NONE



TYPICAL BALLOON-FRAMED WALL - JOISTS PARALLEL SCALE: NONE

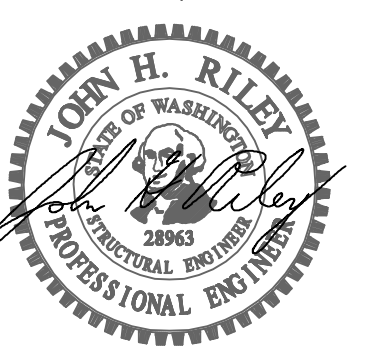


TYPICAL BOLTED HOLDDOWN AT CONCRETE SCALE: NONE

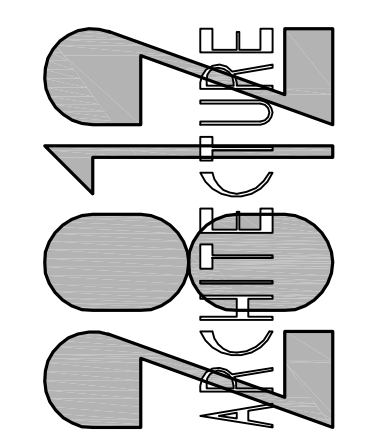
HOLDOWN	ANCHOR BOLT φ	ANCHOR BOLT IN CONCRETE EMBED LENGTH	CONNECTORS TO HOLDDOWN STUDS
S/HDU4	3/8" φ	14"	(6) #14 SELF TAPPING SCREWS
S/HDU11	7/8" φ	18"	(27) #14 SELF TAPPING SCREWS

TYPICAL BOLTED HOLDDOWN AT CONCRETE SCALE: NONE

For:	PERMIT SET	BUILDING PERMIT RESUBMITTAL
Date:	02/09/2023	03/07/2023



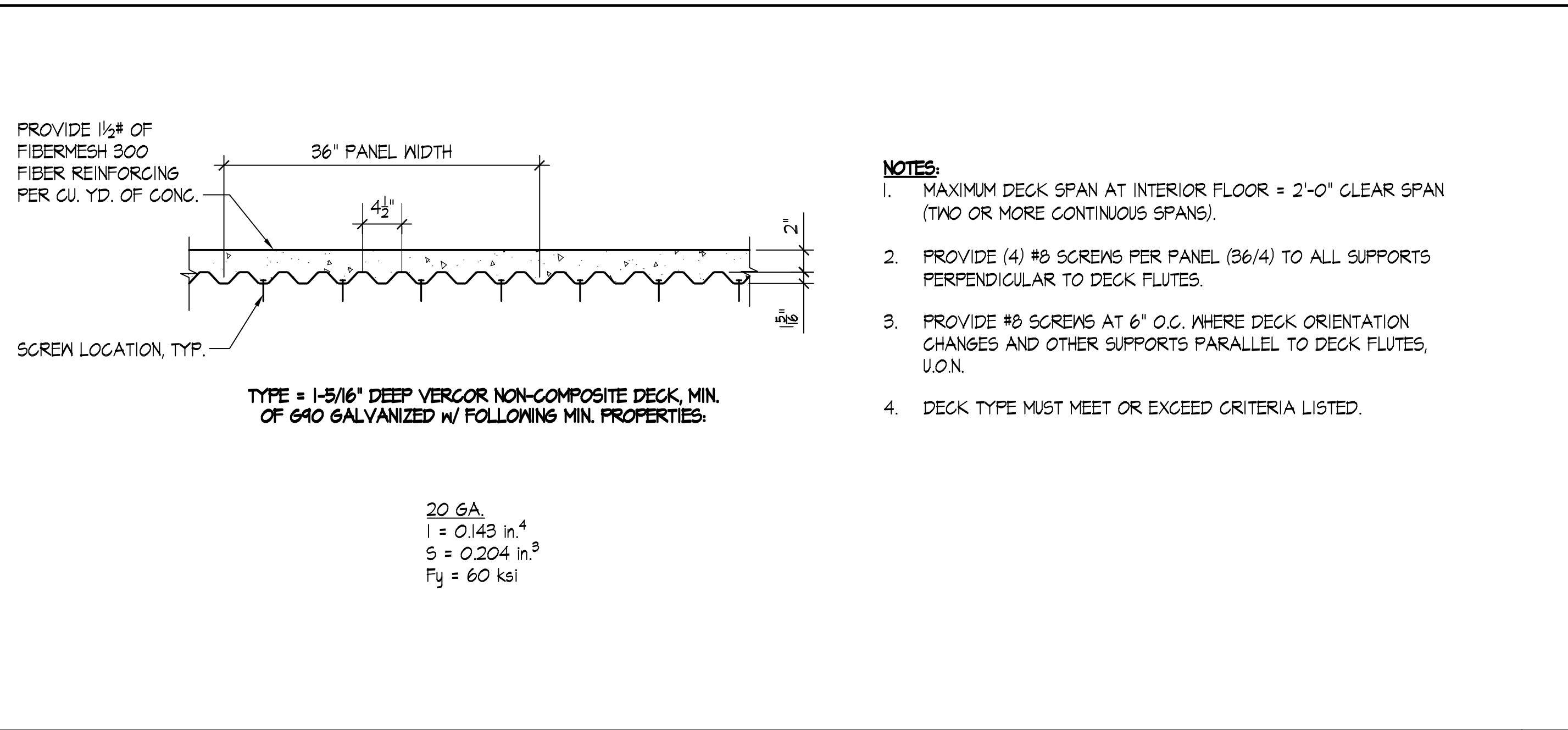
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Project: **S6.1**  
Job Number: 22607.01

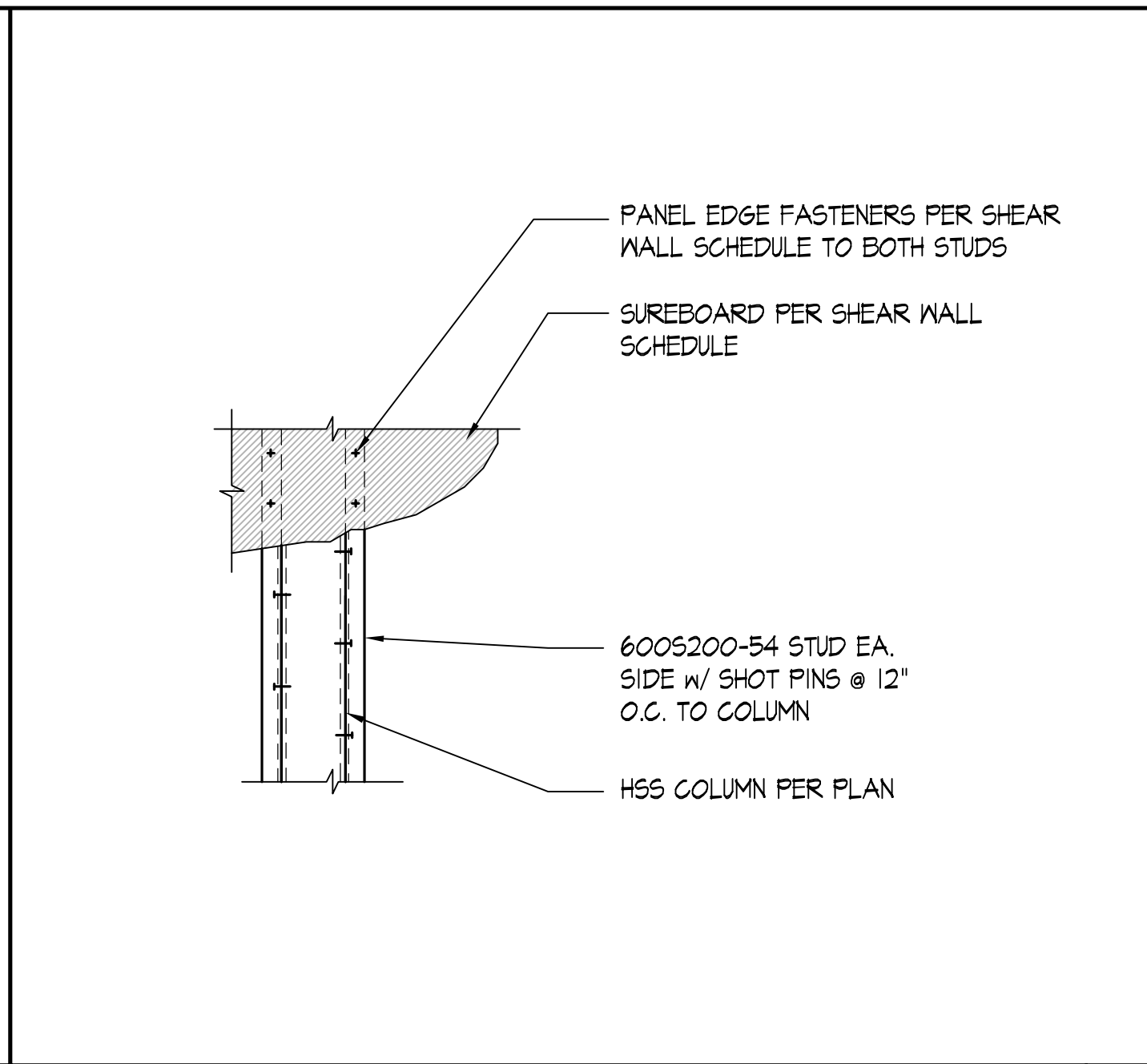
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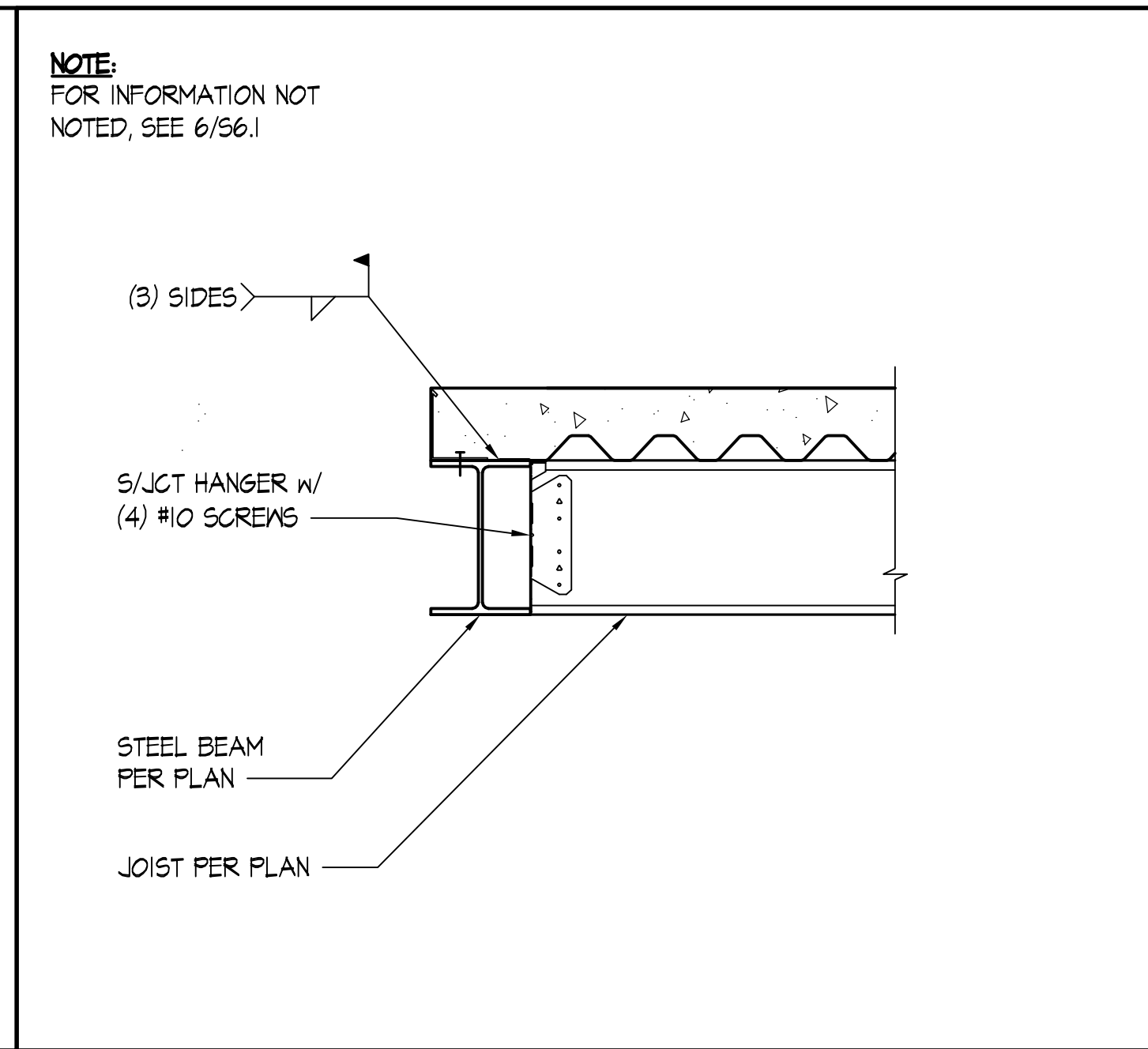
- NOTES:**
1. MAXIMUM DECK SPAN AT INTERIOR FLOOR = 2'-0" CLEAR SPAN (TWO OR MORE CONTINUOUS SPANS).
  2. PROVIDE (4) #8 SCREWS PER PANEL (36/4) TO ALL SUPPORTS PERPENDICULAR TO DECK FLUTES.
  3. PROVIDE #8 SCREWS AT 6" O.C. WHERE DECK ORIENTATION CHANGES AND OTHER SUPPORTS PARALLEL TO DECK FLUTES, U.O.N.
  4. DECK TYPE MUST MEET OR EXCEED CRITERIA LISTED.

20 GA.  
I = 0.143 in.<sup>4</sup>  
S = 0.204 in.<sup>3</sup>  
F<sub>y</sub> = 60 ksi

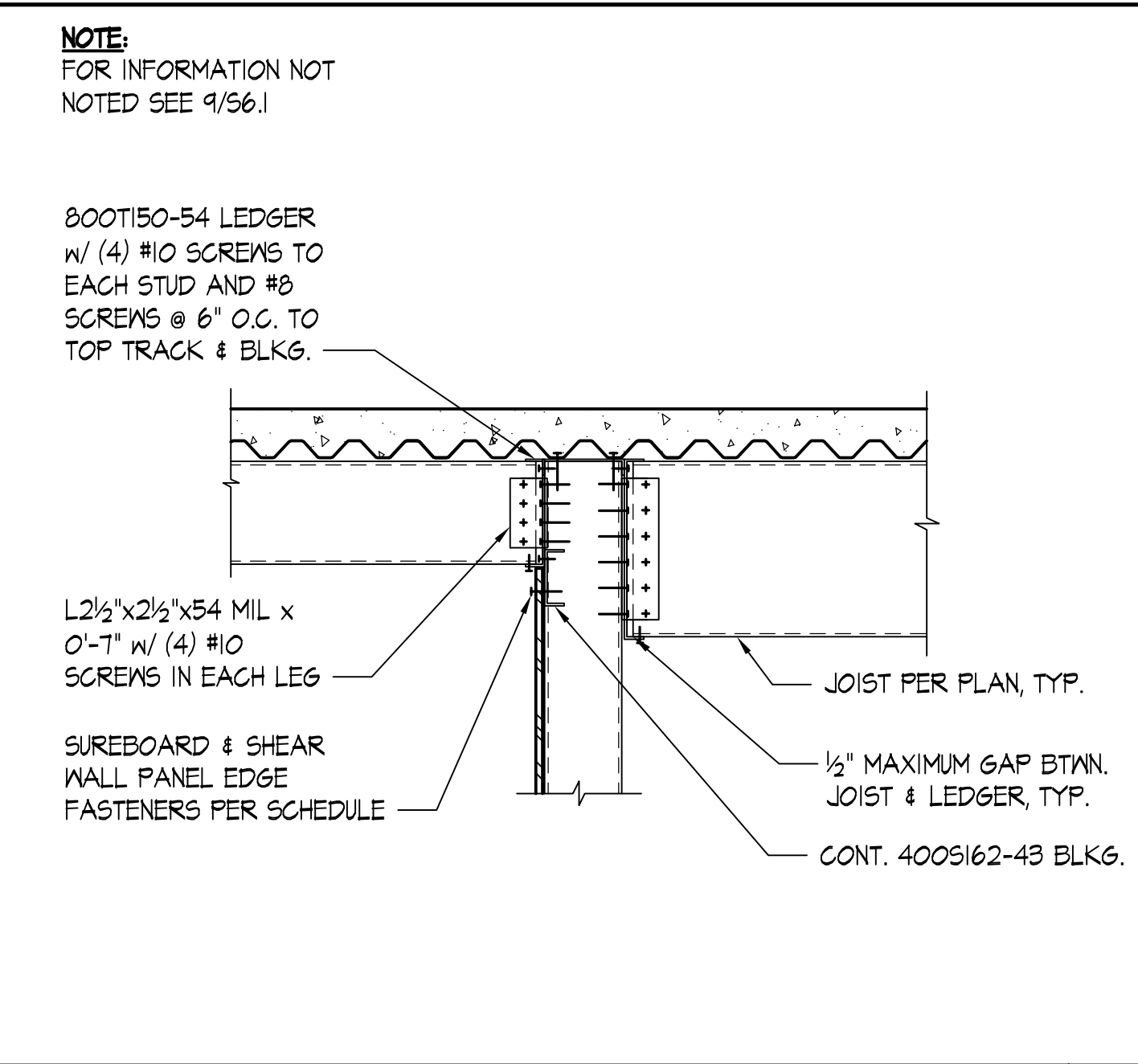
TYPICAL 1-5/16" NON-COMPOSITE DECK SCALE: NONE **2**



TYPICAL SHEAR WALL AT HSS COLUMN SCALE: NONE **3**



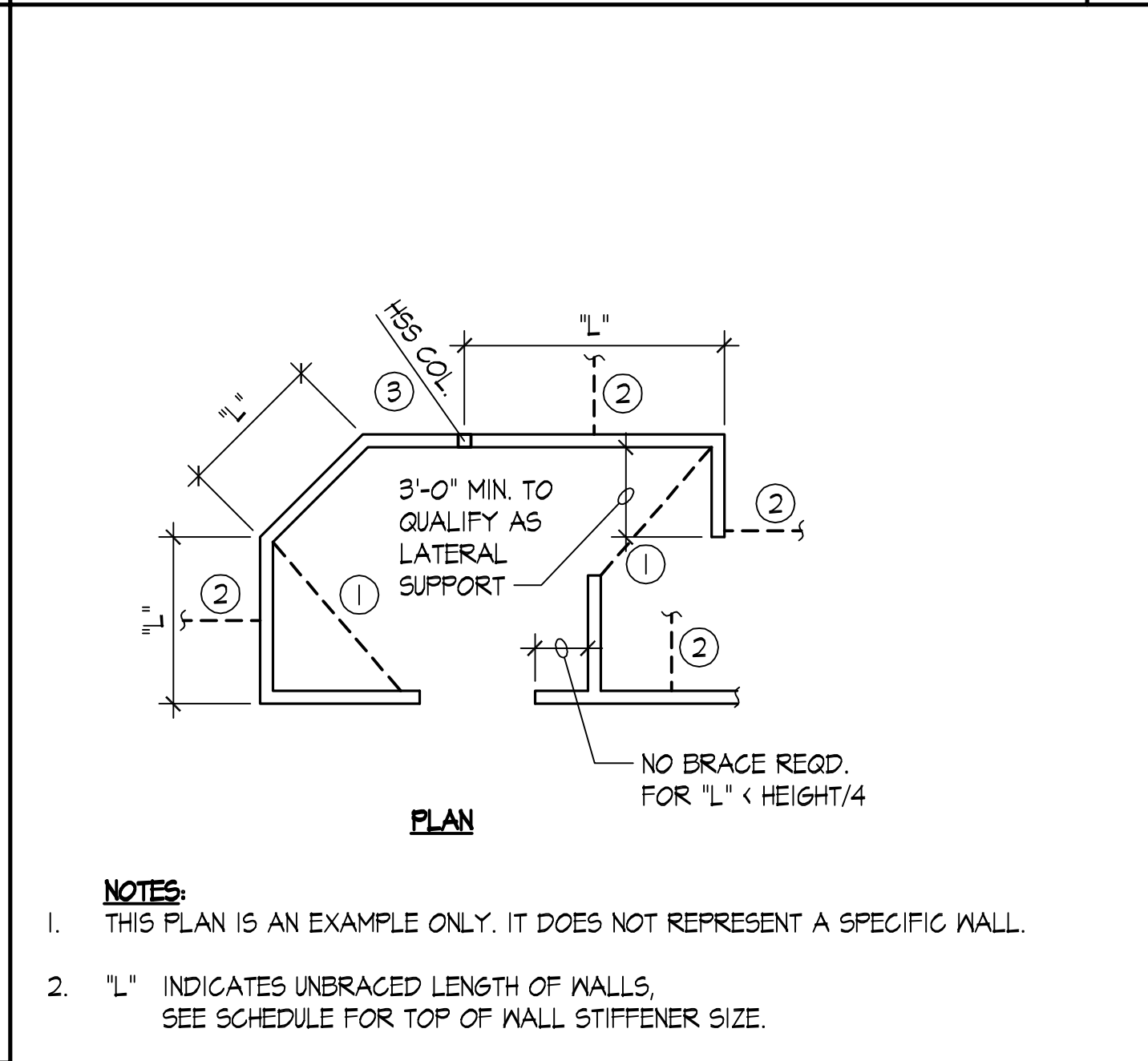
JOIST CONNECTION TO STEEL BEAM AT STAIR LANDING SCALE: NONE **4**



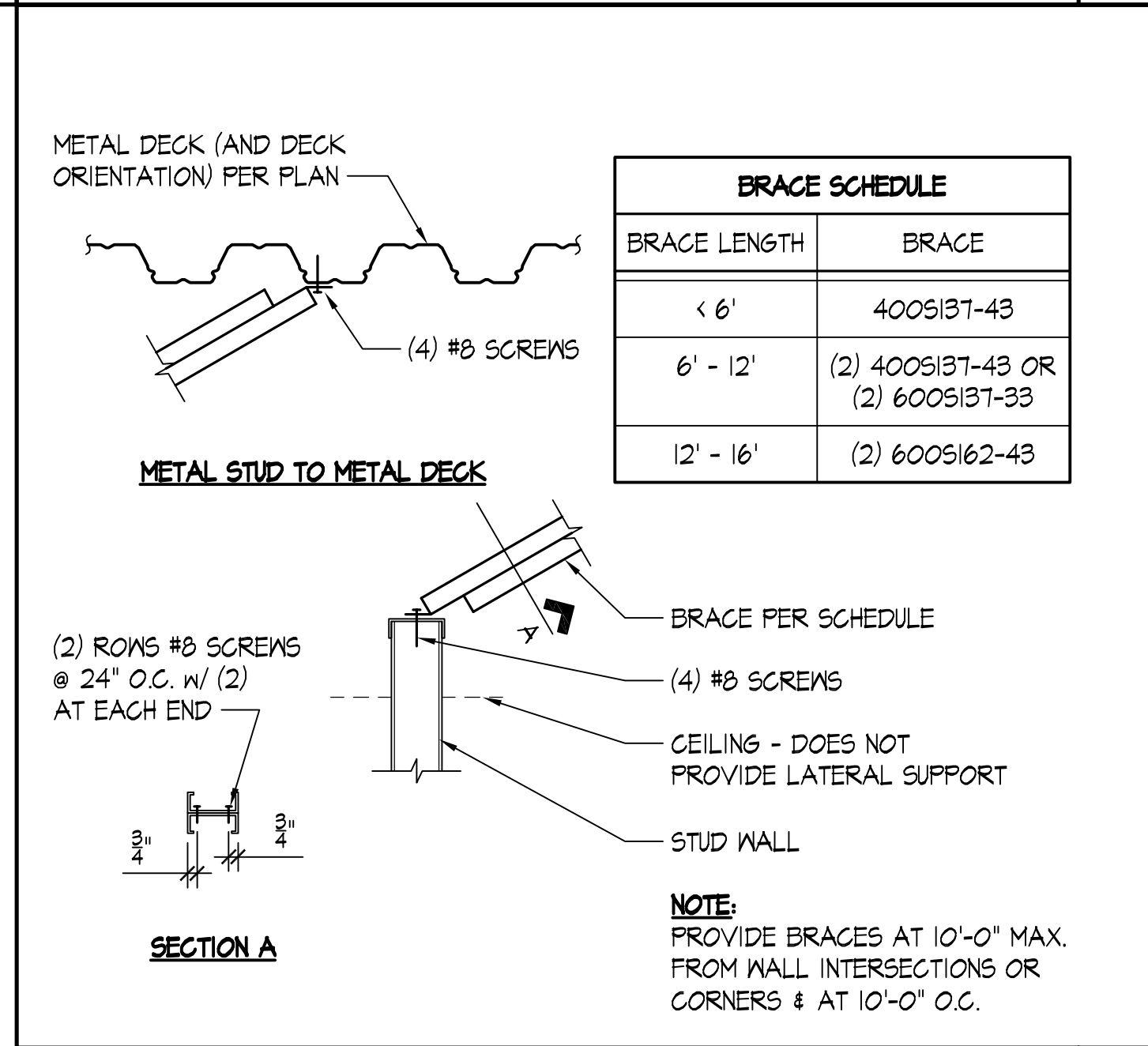
BALLOON-FRAMED WALL AT STAIR LANDING - JOISTS PERPENDICULAR SCALE: NONE **5**



DETAIL SCALE: 1"=1'-0" **6**



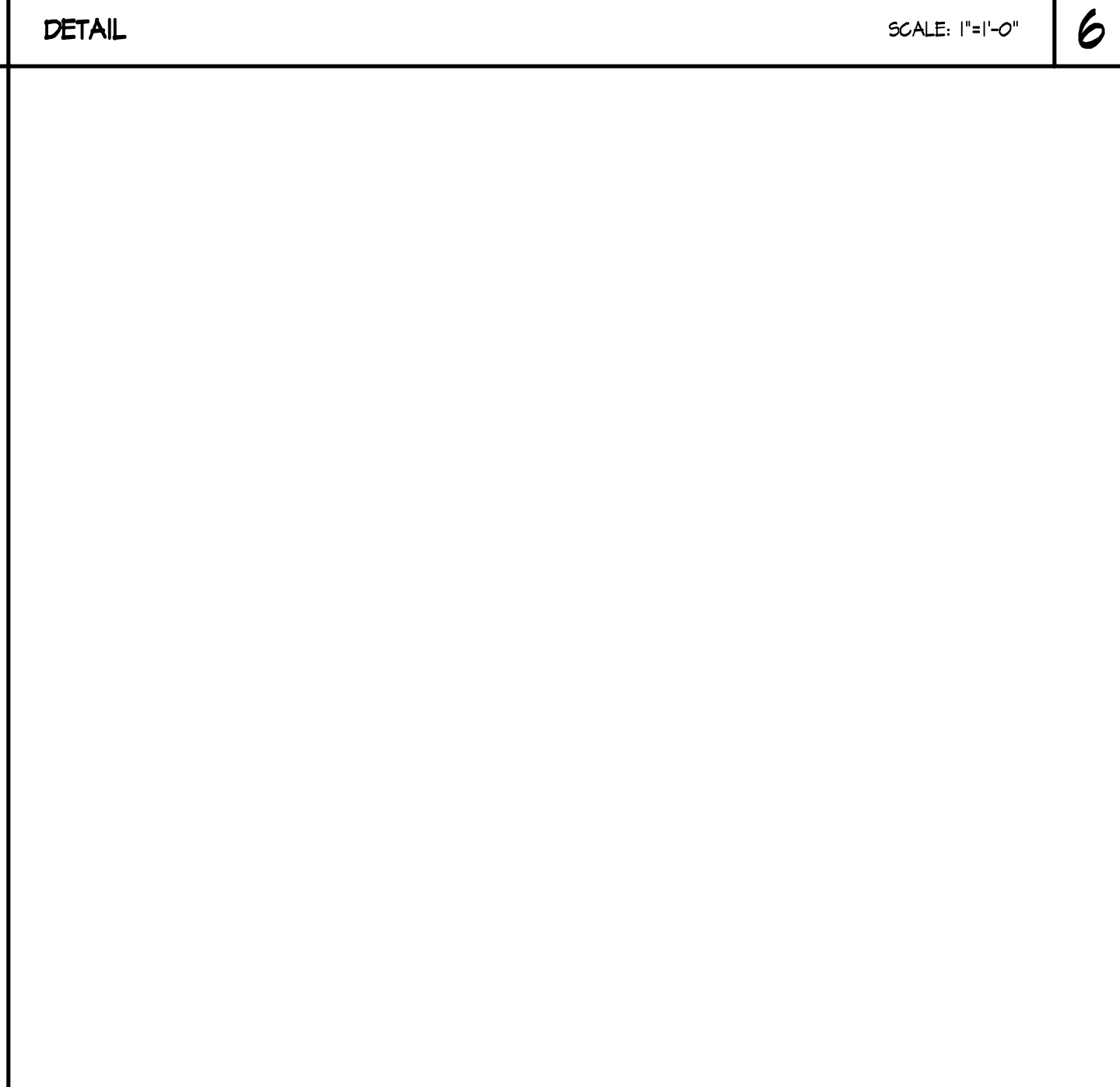
TYPICAL PARTIAL HEIGHT PARTITION WALL BRACING SCALE: NONE **8**



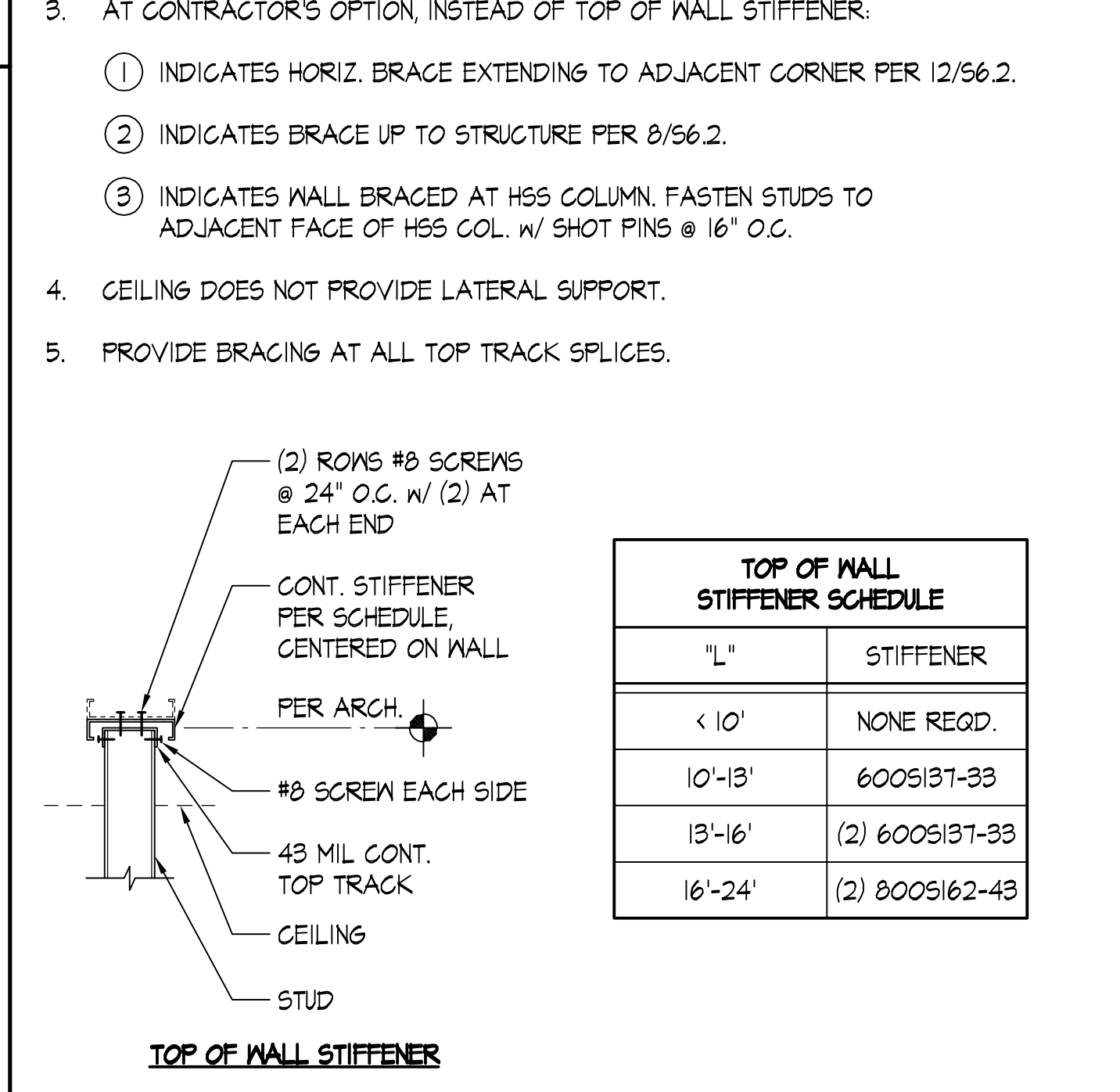
TYPICAL PARTIAL HEIGHT PARTITION WALL BRACING SCALE: NONE **8**



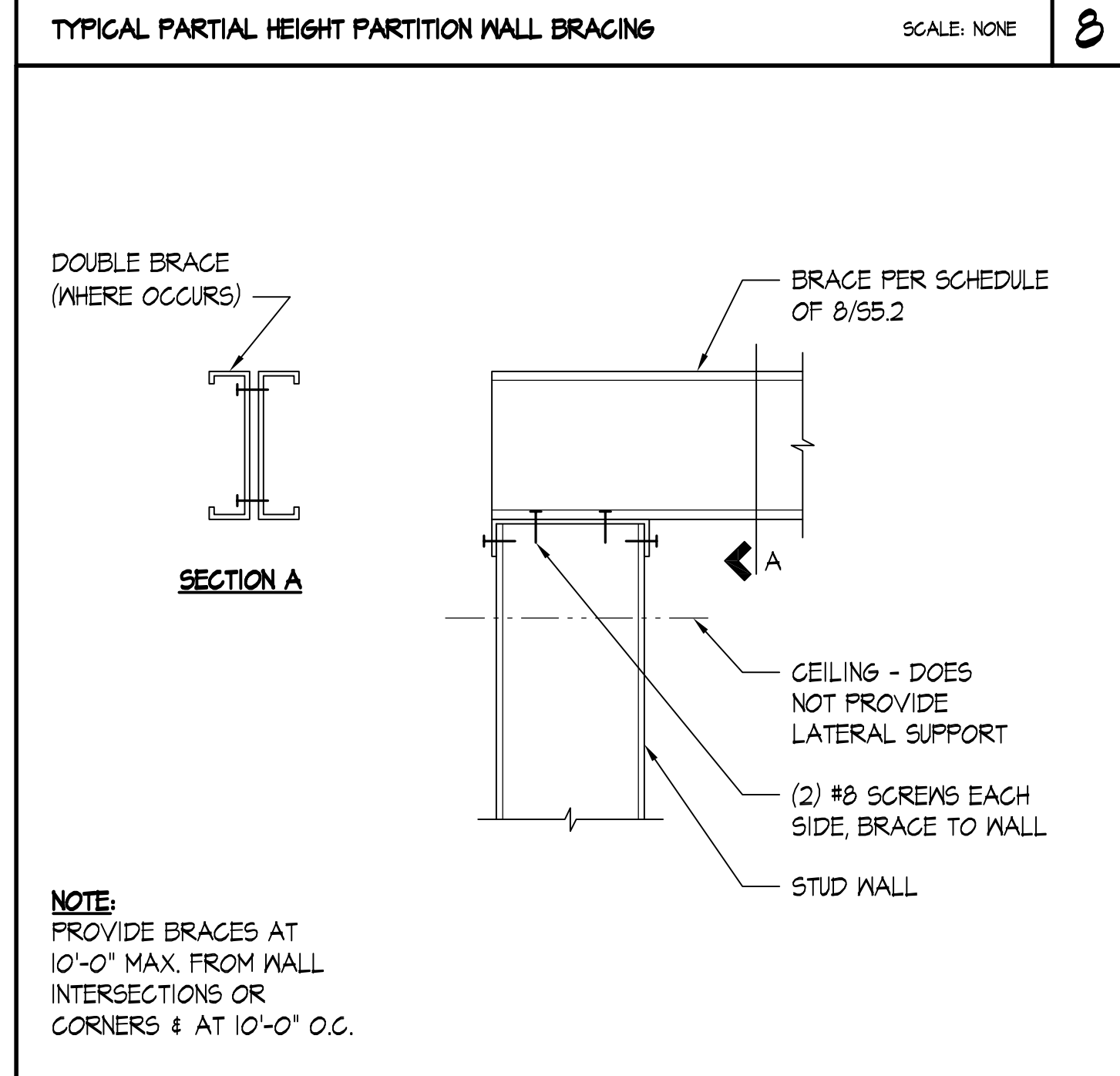
DETAIL SCALE: 1"=1'-0" **9**



DETAIL SCALE: 1"=1'-0" **10**



TYPICAL PARTIAL HEIGHT PARTITION WALL LATERAL SUPPORT SCALE: NONE **11**

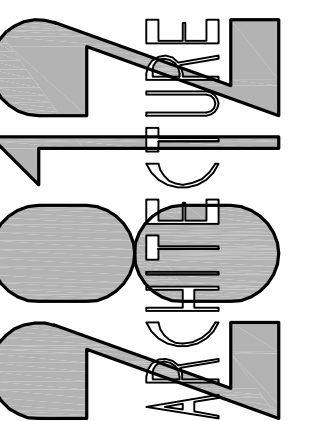


TYPICAL PARTITION WALL HORIZONTAL BRACE SCALE: NONE **12**

For:	PERMIT SET	BUILDING PERMIT RESUBMITTAL
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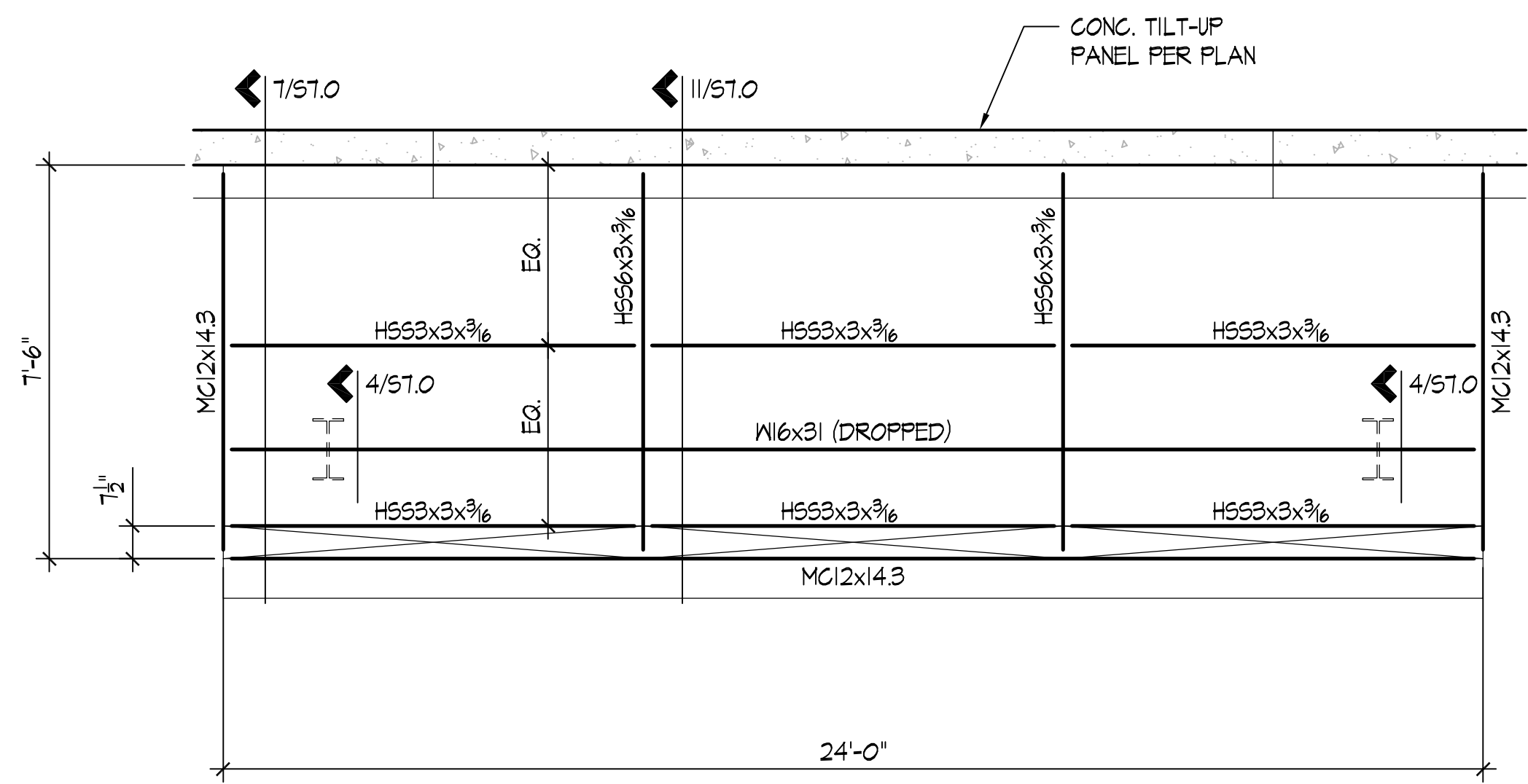


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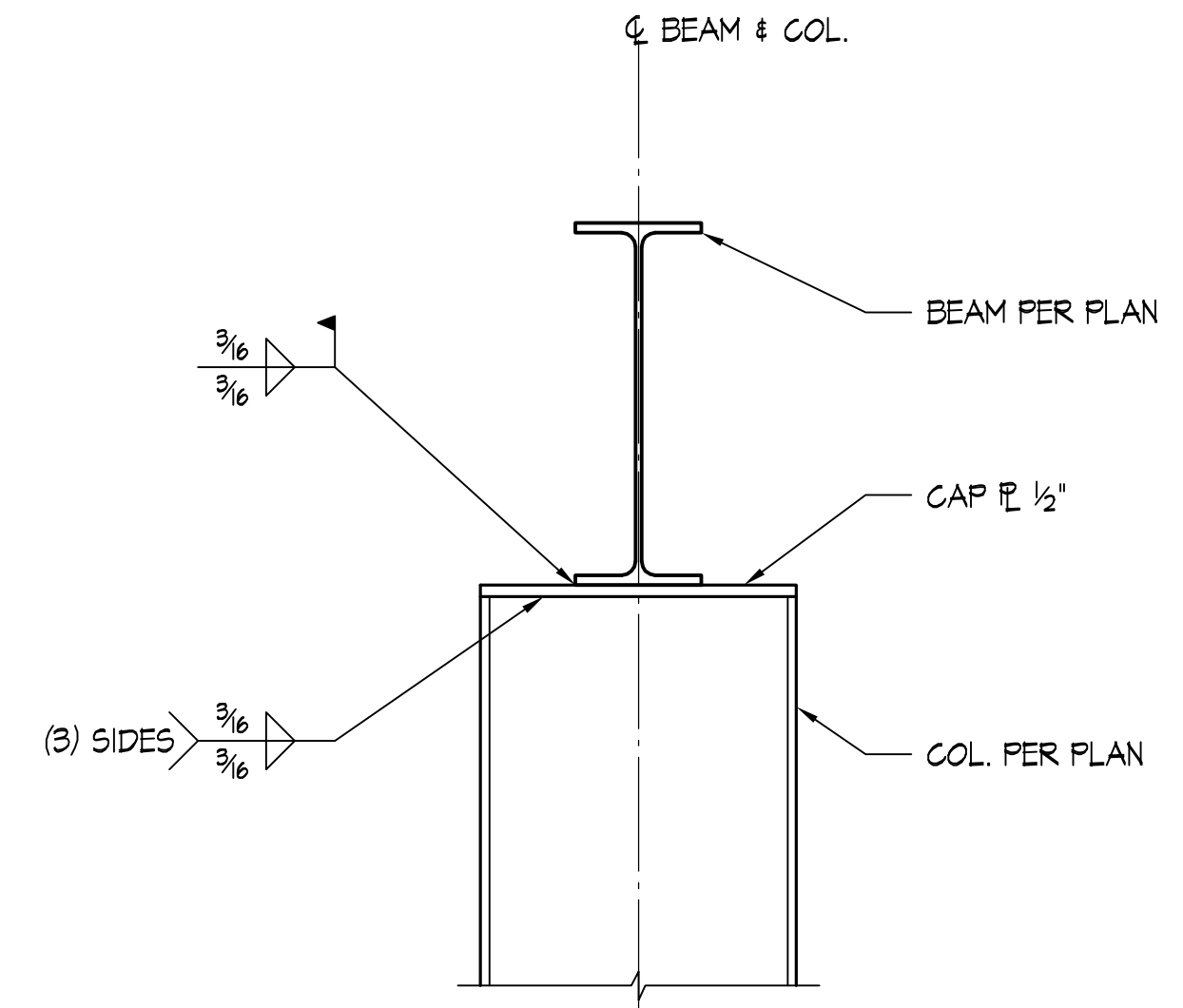


EAST CANOPY ROOF FRAMING PLAN

SCALE: 3/8"=1'-0"

2

DETAIL



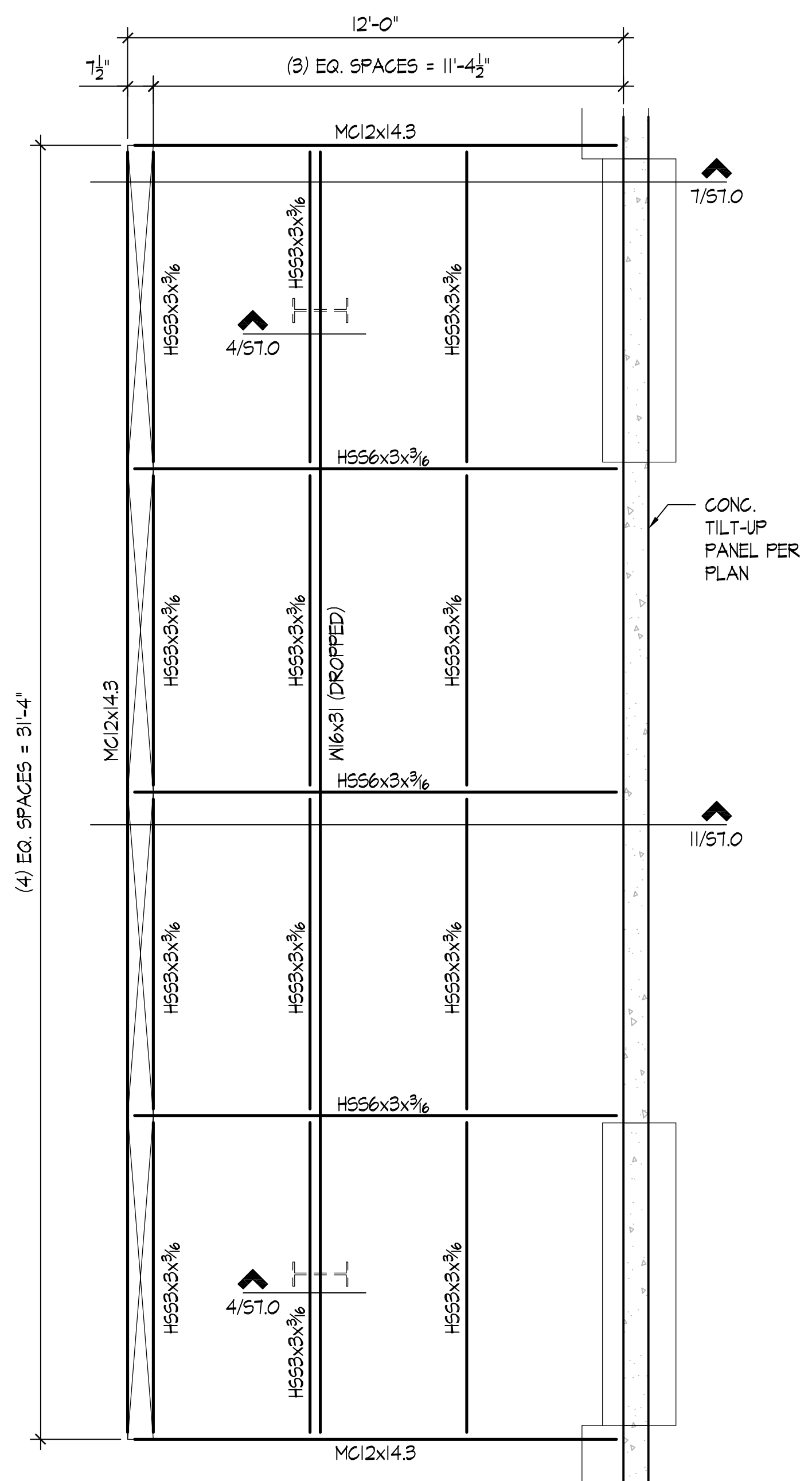
CANOPY BEAM TO COLUMN CONNECTION

SCALE: 1"=1'-0"

3

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

4

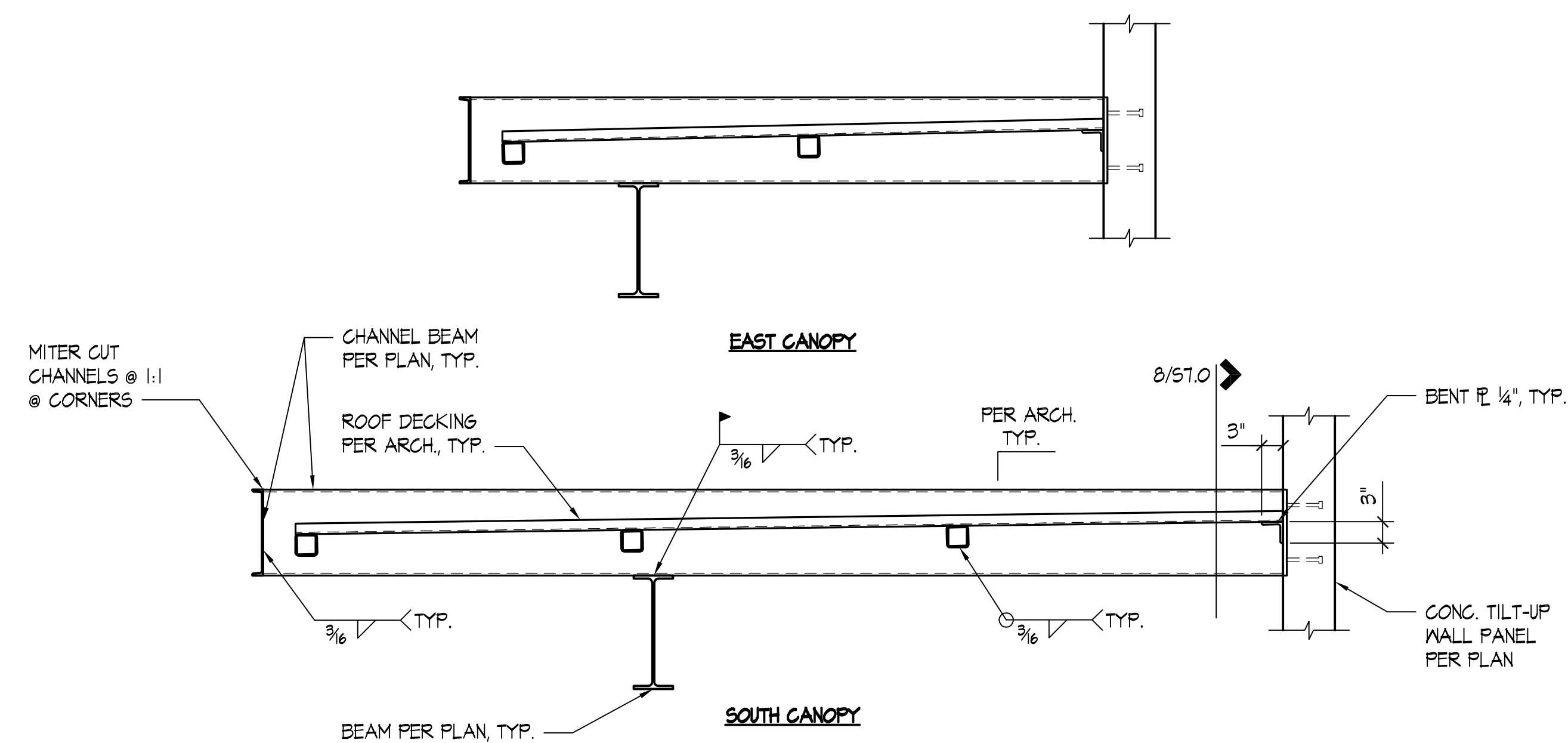


SOUTH CANOPY ROOF FRAMING PLAN

SCALE: 3/8"=1'-0"

9

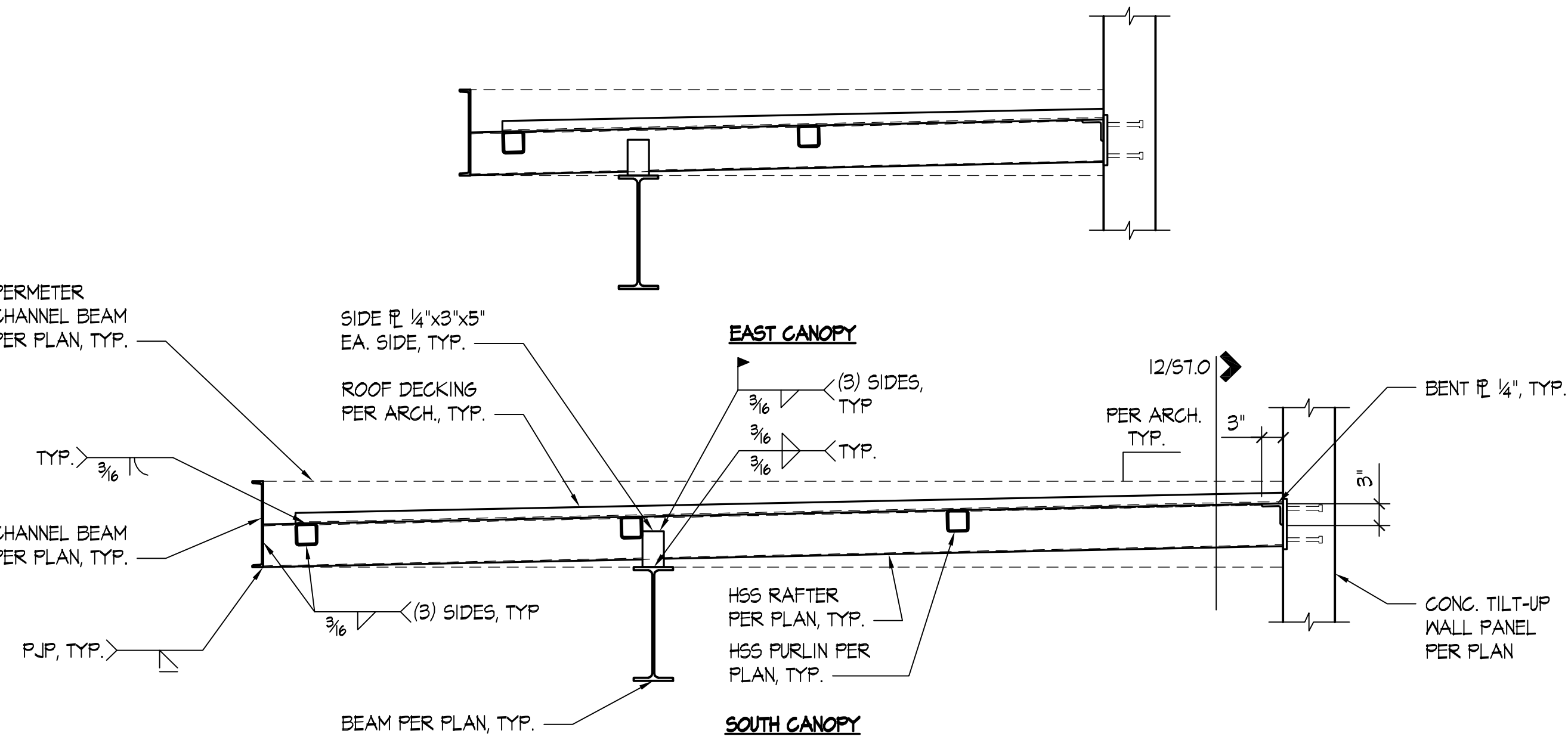
CANOPY SECTIONS - END CHANNELS



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

7

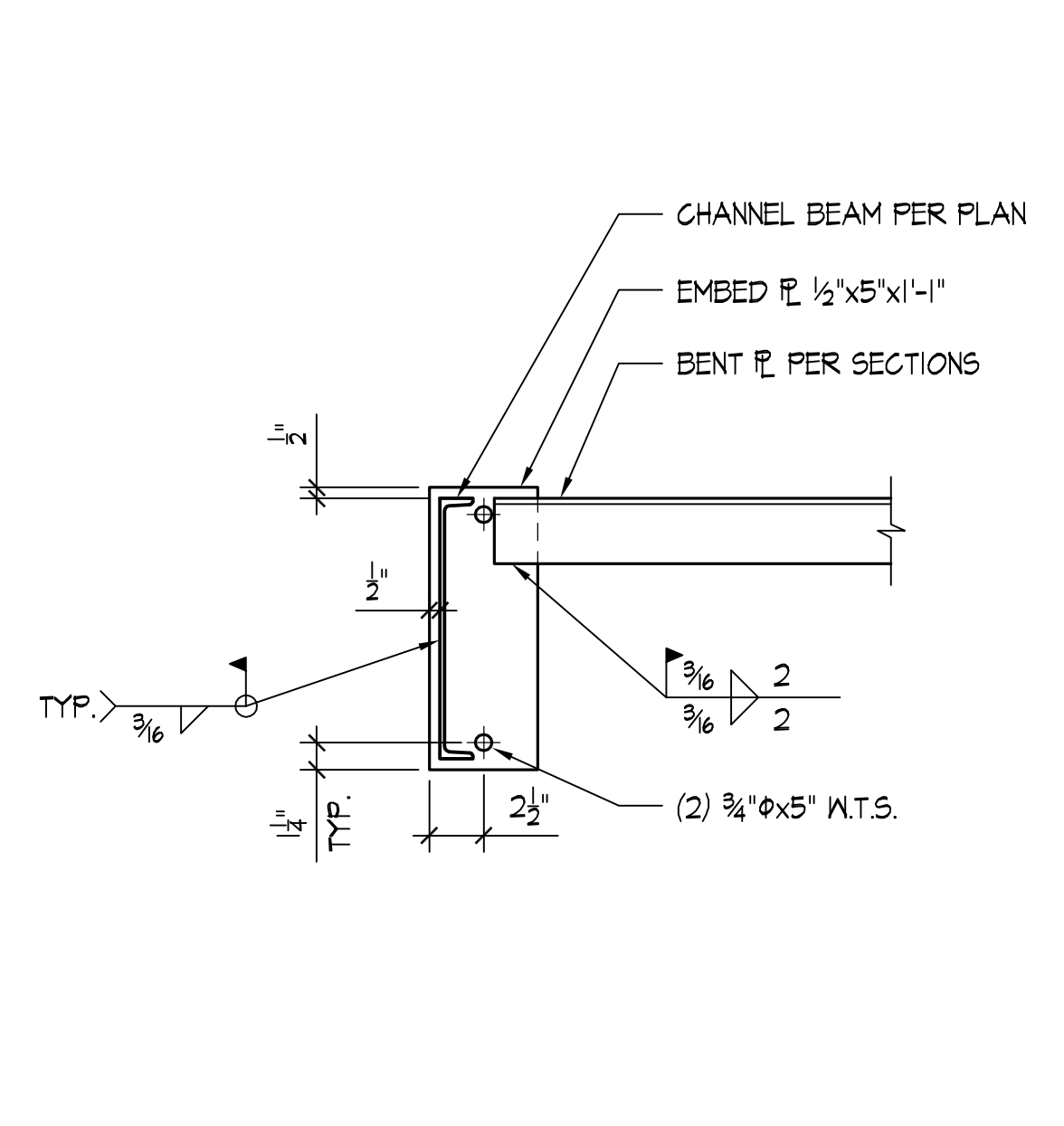
CANOPY SECTIONS - SLOPING HSS RAFTERS



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

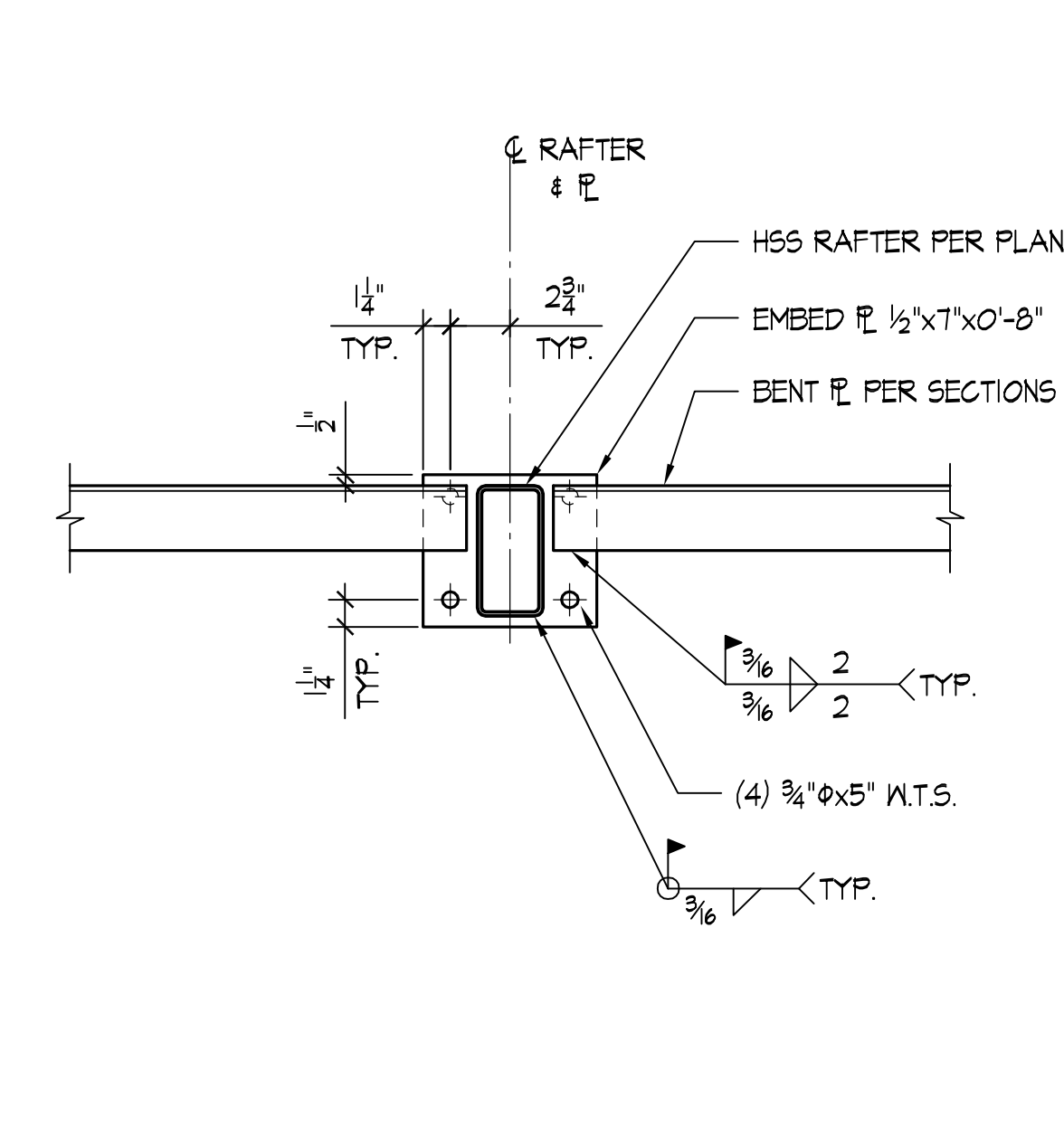
11

HSS RAFTER EMBED PLATE



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

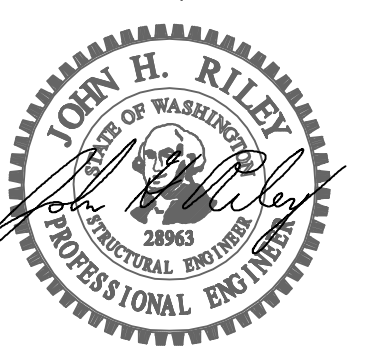
8



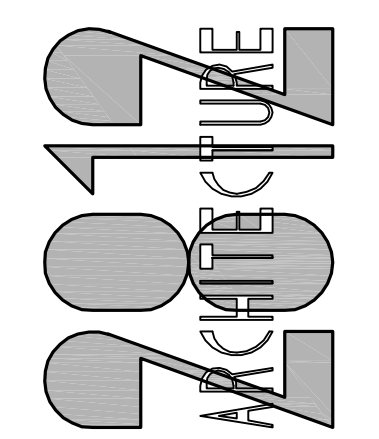
SCALE: 1 1/2"=1'-0"

12

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CANOPY PLANS AND DETAILS