









SPECIAL INSPECTION AND TESTING:

THIS PROJECT REQUIRES SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. THESE NOTES AND THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THE PROJECT OWNER ARE INTENDED TO INFORM THE CONTRACTOR OF THE QUALITY ASSURANCE PROGRAM AND THE EXTENT OF THE CONTRACTOR'S RESPONSIBILITIES.

THE SPECIAL INSPECTIONS AND TESTING PROGRAM:

THE SPECIAL INSPECTION AND TESTING PROGRAM IS A QUALITY ASSURANCE PROGRAM INTENDED TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN IBC SECTION 110. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY TO COMPLY WITH THE OFFICIAL CONTRACT DOCUMENTS. FURTHER, IT IS NOT INTENDED THAT THE CONTRACTOR'S CONTRACTUAL AND STATUTORY OBLIGATIONS ARE ANYWAY RELIEVED OR FOREGONE BY THE PRESENCE OF THE SPECIAL INSPECTOR. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS. THE SPECIAL INSPECTOR DOES NOT REPLACE THE DUTIES OF THE BUILDING OFFICIAL NOR THE QUALITY CONTROL RESPONSIBILITIES AND PERSONNEL OF THE CONTRACTOR. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

THE PROJECT OWNER IS RESPONSIBLE FOR EMPLOYING SPECIAL INSPECTION SERVICES. THE SPECIAL INSPECTOR/AGENCY SHALL NOT BE IN THE EMPLOY OF THE CONTRACTOR, SUBCONTRACTOR OR MATERIAL SUPPLIER. IBC SEC. 1704.2 (IN THE CASE OF AN OWNER/CONTRACTOR, THE SPECIAL INSPECTOR/AGENCY SHALL BE EMPLOYED AS SPECIFIED BY THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR IS OBLIGATED TO BOTH THE OWNER AND THE BUILDING OFFICIAL FOR OBSERVING THAT THE WORK IS EXECUTED IN SUBSTANTIVE ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS. THE OFFICIAL CONTRACT DOCUMENTS ARE DEFINED AS THE PERMITTED PLANS AND SPECIFICATIONS, ADDENDA, CHANGE ORDERS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY ARCHITECT/ENGINEER.

THE INSPECTION AND TESTING AGENTS SHALL DISCLOSE ANY PAST OR PRESENT BUSINESS RELATIONSHIP OR POTENTIAL CONFLICT OF INTEREST WITH THE CONTRACTOR OR ANY OF THE SUBCONTRACTORS WHOSE WORK IS TO BE INSPECTED OR TESTED. THE SPECIAL INSPECTORS MAY HAVE NO FINANCIAL INTEREST IN PROJECTS FOR WHICH THEY PROVIDE SPECIAL INSPECTION SERVICES.

SPECIAL INSPECTION REPORT REQUIREMENTS:

SPECIAL INSPECTION REPORTS AND A FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

REPORT REQUIREMENT: SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS AND TESTS. THE SPECIAL INSPECTOR SHALL FURNISH THE INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT THE WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL. IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THE WORK. A FINAL REPORT DOCUMENTING THE REQUIRED SPECIAL INSPECTIONS, TESTS, AND CORRECTION OF ANY OF THE DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

CONTRACTOR RESPONSIBILITIES:

THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR IN ADVANCE OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS IN ORDER TO ASSURE TIMELY AND APPROPRIATE INSPECTION FOR THE ITEMS LISTED IN THE SCHEDULE OF SPECIAL INSPECTIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE NOTICE TO THE SPECIAL INSPECTOR FOR ALL INSPECTIONS.

THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE SPECIAL INSPECTOR IN PERFORMING HIS INSPECTION DUTIES. THE SPECIAL INSPECTOR SHALL HAVE FREE ACCESS TO THE PROJECT AT ALL TIMES. THE CONTRACTOR SHALL REVIEW THE SPECIAL INSPECTION PLAN AND COORDINATE THE SCHEDULE OF WORK TO ACCOMMODATE THE REQUIRED INSPECTIONS.

PROVIDE ACCESS TO APPROVED PLANS: THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIAL INSPECTOR ACCESS TO APPROVED PLANS. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF THE CONTRACT DOCUMENTS AT THE JOB SITE.

CORRECT DISCREPANCIES AND DEVIATIONS: THE CONTRACTOR SHALL, UPON BEING INFORMED BY THE SPECIAL INSPECTOR, IMMEDIATELY CAUSE TO ELIMINATE SUCH DISCREPANCIES AND DEVIATIONS.

WORK COMPLETED WITHOUT INSPECTION: WORK REQUIRING INSPECTION WHICH IS COMPLETED WITHOUT INSPECTION WILL BE REJECTED SOLELY ON THAT BASIS.

RETAIN SPECIAL INSPECTION RECORDS: THE CONTRACTOR IS ALSO RESPONSIBLE FOR RETAINING AT THE JOB SITE ALL SPECIAL INSPECTION RECORDS COMPLETED BY THE SPECIAL INSPECTOR.

COORDINATE AND SUBMIT: THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND SUBMITTING TO THE BUILDING OFFICIAL AND THE OWNER A STATEMENT OF CONTRACTOR RESPONSIBILITY, IBC SECTION 1704.4, FOR THEMSELVES AND FOR SUBMITTING A STATEMENT OF CONTRACTOR RESPONSIBILITY FOR EACH STRUCTURAL COMPONENT SUBCONTRACTOR. THE STATEMENTS OF RESPONSIBILITY SHALL BE SUBMITTED PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT.

- A. THE STATEMENT OF CONTRACTOR RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
1. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.
2. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF THE REPORTS.
4. IDENTIFICATION AND QUALIFICATIONS OF THE PERSONS EXERCISING SUCH CONTROL AND THEIR POSITIONS IN THE ORGANIZATION.
- B. STRUCTURAL COMPONENT SUBCONTRACTORS INCLUDE BUT ARE NOT LIMITED TO STRUCTURAL STEEL FABRICATORS AND ERECTORS, COMPONENT FABRICATORS SUCH AS STEEL JOISTS, METAL OR WOOD TRUSSES, CONCRETE, AND MASONRY CONTRACTORS.
- C. AT THE COMPLETION OF STRUCTURAL COMPONENT FABRICATION, THE FABRICATORS SHALL SUBMIT A CERTIFICATE OF COMPLIANCE STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS OF:

RETESTING AND REINSTRUCTION OF MATERIALS, WORK, AND/OR PRODUCTS THAT DO NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND SHOP DRAWINGS/SUBMITTAL DATA.

REVIEW OF PROPOSED REPAIR AND/OR REPLACEMENT PROCEDURES BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND THE INSPECTORS AND TESTING AGENCIES.

REPAIR OR REPLACEMENT OF WORK THAT DOES NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

THE CONTRACTOR IS RESPONSIBLE FOR THE TRAVEL COSTS OF THE SPECIAL INSPECTOR OR AGENTS WHEN SHOP INSPECTION IS REQUIRED OF A NON-APPROVED STRUCTURAL COMPONENT FABRICATOR.

INSPECTION OF FABRICATION:

WHERE FABRICATION OF STRUCTURAL LOAD BEARING, OR LATERAL LOAD RESISTING MEMBERS OR ASSEMBLIES ARE PERFORMED ON THE PREMISES OF THE FABRICATOR, THE SHOP FABRICATION REQUIRES SPECIAL INSPECTION DURING THE FABRICATION OF ITEMS FOR THIS PROJECT.

EXEMPTION:

FABRICATORS APPROVED BY THE BUILDING OFFICIAL ARE EXEMPT FROM THE ON PREMISE INSPECTION. THE APPROVAL BY THE BUILDING OFFICIAL OF ANY FABRICATOR SHOULD BE PROPERLY DOCUMENTED PRIOR TO THE COMMENCEMENT OF FABRICATION. EXEMPTION WILL BE PROVIDED TO FABRICATORS WHO PROVIDE PROOF OF CERTIFICATION BY A NATIONALLY RECOGNIZED GOVERNING ASSOCIATION WHICH PERFORMS PERIODIC INSPECTIONS AND MAINTAINS QUALITY ASSURANCE CRITERIA. EXAMPLES ARE: AISC CERTIFICATION FOR A STEEL FABRICATOR, SJI CERTIFICATION FOR A STEEL JOIST MANUFACTURER, WTC AND TPI CERTIFICATION FOR A PRE-ENGINEERED WOOD TRUSS MANUFACTURER.

AT THE COMPLETION OF FABRICATION, THE FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

CONCRETE TESTING NOTES:

CONCRETE TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND THE SCHEDULE OF SPECIAL INSPECTIONS. SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 75 CUBIC YARDS, OF CONCRETE USED FOR FOOTINGS, NOR LESS THAN ONCE FOR EACH 5000 SQUARE FEET OF SURFACE AREA FOR SLABS. TEST REPORTS INDICATING NON-COMPLIANCE SHALL BE PROVIDED TO THE OWNER, ARCHITECT AND CONTRACTOR. A COPY OF THE TEST REPORTS SHALL BE AVAILABLE AT THE JOBSITE.

STEEL INSPECTION AND TESTING NOTES:

STRUCTURAL STEEL TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE REFERENCED STANDARDS AND THE SCHEDULE OF SPECIAL INSPECTIONS.

FIELD BOLTED CONNECTIONS WILL BE TESTED AND INSPECTED ACCORDING TO RSCC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS."

FIELD WELDS SHALL BE INSPECTED AND TESTED ACCORDING TO AWS D1.1. IN ADDITION TO VISUAL INSPECTION, WELDED MOMENT CONNECTIONS WILL BE TESTED BY ULTRASONIC, ASTM E164, OR OTHER AWS APPROVED METHOD.

MASONRY INSPECTION AND TESTING NOTES:

CONCRETE MASONRY TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF TMS 402 / TMS 602 AND THE SCHEDULE OF SPECIAL INSPECTIONS. INSPECTION SHALL INCLUDE GENERAL INSPECTION OF WORK IN PROGRESS TO CONFIRM THAT MATERIALS, CONSTRUCTION, AND WORKMANSHIP ARE IN COMPLIANCE WITH PLANS, SPECIFICATIONS AND GOOD CONSTRUCTION PRACTICES. ADDITIONALLY, MORTAR SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH ASTM C780 ANNEX A6. EACH TEST SHALL CONSIST OF THREE SPECIMENS.

FREQUENCY OF TESTING: AT THE BEGINNING OF MASONRY CONSTRUCTION AND FOR EVERY 5000 SQUARE FEET OF MASONRY INSTALLED THEREAFTER.

COLD WEATHER = LESS THAN 40° FAHRENHEIT  
HOT WEATHER = GREATER THAN 90° FAHRENHEIT

INSPECTOR TO BE CERTIFIED BY THE INTERNATIONAL CODE COUNCIL.

OTHER REQUIRED INSPECTIONS:

THE REQUIREMENTS OF SPECIAL INSPECTIONS AND TESTING IN ACCORDANCE OF THE INTERNATIONAL BUILDING CODE ARE MINIMUM REQUIREMENTS AND DO NOT LIMIT THE REQUIREMENTS FOR THE CONTRACTOR TO PROVIDE OTHER QUALITY CONTROL INSPECTIONS AND TESTING REQUIRED BY THE OWNER, CONTRACT DOCUMENTS, OR OTHER GOVERNING AUTHORITIES HAVING JURISDICTION.

SCHEDULE OF SPECIAL INSPECTIONS

1704.2.5 INSPECTION OF FABRICATORS				
MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT		
		Y/N	EXTENT	
VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	IN-PLANT REVIEW (3) DURING FABRICATION	Y	SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.1.	

1705.2 STEEL CONSTRUCTION (AISC 360: CHAPTER N)				
MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT		
		Y/N	EXTENT	
1. FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 360, CHAPTER N, SECTION N1, PARAGRAPH 2 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	SUBMITTAL REVIEW	Y	EACH SUBMITTAL	
2. MATERIAL VERIFICATION OF STRUCTURAL STEEL HIGH-STRENGTH BOLTS, NUTS, WASHERS AND WELD FILLER MATERIALS	SHOP (3) AND FIELD INSPECTION	Y	PERIODIC	
3. EMBEDMENTS, VERIFY DIAMETER, GRADE, TYPE, LENGTH AND EMBEDMENT (SEE 1705.3 FOR ANCHORS)	FIELD INSPECTION	Y	PERIODIC	
4. VERIFY MEMBERS LOCATIONS, BRACES, FASTENERS AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS	FIELD INSPECTION	Y	PERIODIC	
5. STRUCTURAL STEEL WELDING	—	—	—	
a. INSPECTION TASKS PRIOR TO WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4.1)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE OR PERFORM AS NOTED (4)	
b. INSPECTION TASKS DURING WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4.2)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE (4)	
c. INSPECTION TASKS AFTER WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4.3)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE OR PERFORM AS NOTED (4)	
d. NONDESTRUCTIVE (NOT) TESTING OF WELDED JOINTS (AISC 360, N5.5)	—	—	—	
1) USE OF QUALIFIED NONDESTRUCTIVE TESTING PERSONNEL	PERFORMED	Y	—	
2) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY I	SHOP (3) OR FIELD (ULTRASONIC) TESTING- 20% OF WELDS MINIMUM	N	PERFORM	
3) WELDED JOINTS SUBJECT TO FATIGUE	DT AND UT SHALL BE PERFORMED ON 10% OF WELDED JOINTS IDENTIFIED ON CONTRACT DRAWINGS AS BEING SUBJECT TO FATIGUE	N	PERFORM	
4) WELDED TAB REMOVAL SITES	AT THE END OF WELDS WHERE WELD TABS HAVE BEEN REMOVED, MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON THE SAME BEAM TO COLUMN JOINTS RECEIVING UT.	N	PERFORM	
5) FABRICATORS NOT REPORTING WHEN FABRICATORS PERFORMS NOT	VERIFY REPORTS	Y	EACH SUBMITTAL (5)	
6. STRUCTURAL STEEL BOLTING:	SHOP (3) AND FIELD INSPECTION	—	—	
a. INSPECTION TASKS PRIOR TO BOLTING (OBSERVE, OR PERFORM TASKS FOR EACH BOLTED CONNECTION IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-1)	—	—	OBSERVE OR PERFORM AS NOTED (4)	
b. INSPECTION TASKS DURING BOLTING (OBSERVE THE QA TASKS LISTED IN AISC 360, TABLE N5.6-2)	—	—	OBSERVE (4)	
1) PRE-TENSIONED AND SLIP-CRITICAL JOINTS	—	—	—	
a) TURN-OF-NUT METHOD (MATCH-MARKING)	—	Y	PERIODIC	
b) DIRECT TENSION INDICATOR	—	Y	PERIODIC	
c) TWIST-OFF TYPE TENSION CONTROL BOLT	—	Y	PERIODIC	
2) SNUG-TIGHT JOINTS	—	Y	PERIODIC	
a. INSPECTION TASKS AFTER BOLTING (PERFORM TASKS FOR EACH BOLTED CONNECTION IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-3)	SHOP (3) AND FIELD INSPECTION AND TESTING	Y	PERFORM (4)	

1705.2.1 STEEL CONSTRUCTION - OTHER INSPECTIONS (AISC 341: TABLE J8.1 AND J10.1)				
MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT		
		Y/N	EXTENT	
1. ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL	—	Y	PERFORM	
2. FABRICATED STEEL OR ERECTED STEEL FRAME	—	Y	OBSERVE	
3. REDUCED BEAM SECTIONS (RBS) WHERE/IF OCCURS	—	Y	DOCUMENT	
4. PROTECTED ZONES	—	Y	DOCUMENT	
5. H-PILES WHERE/IF OCCURS	—	Y	DOCUMENT	

1705.3 CONCRETE CONSTRUCTION					
MATERIAL/ ACTIVITY	APPLICABLE TO PROJECT		REFERENCED STANDARD	IBC REFERENCE	
	Y/N	EXTENT			
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS AND VERIFY PLACEMENT.	Y	PERIODIC	ACI 318 CH 20, 25.2, 25.3, 26.6.1-26.6.3	1906.4	
2. REINFORCING BAR WELDING:	Y	PERIODIC	AWS D14	-	
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	Y	PERIODIC	ACI 318: 26.6.4	-	
b. INSPECT SINGLE-PASS FILET WELDS, MAX. 5/16"	Y	PERIODIC	CONTINUOUS	-	
c. INSPECT ALL OTHER WELDS	Y	PERIODIC	-	-	
3. INSPECT ANCHORS CAST IN CONCRETE.	Y	PERIODIC	ACI 318: 17.8.2	-	
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	N	CONTINUOUS	ACI 318: 17.8.2.4	-	
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	Y	PERIODIC	ACI 318: 17.8.2	-	
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.4.	Y	PERIODIC	-	-	
5. VERIFY USE OF REQUIRED DESIGN MIX.	Y	PERIODIC	ACI 318 CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1906.2, 1906.3	
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	Y	CONTINUOUS	ASTM C172, ASTM C31, ACI 318: 26.5, 26.12	1906.10	
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	Y	CONTINUOUS	ACI 318: 26.5	1906.6, 1906.7, 1906.8	
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	Y	PERIODIC	ACI 318: 26.5.3-26.5.5	1906.9	
9. INSPECT PRESTRESSED CONCRETE FOR:	N	CONTINUOUS	-	-	
a. APPLICATION OF PRESTRESSING FORCES	N	CONTINUOUS	ACI 318: 26.10	-	
b. GROUTING OF BONDED PRESTRESSING TENDONS.	N	PERIODIC	ACI 318 CH 26.9	-	
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	N	PERIODIC	-	-	
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	N	PERIODIC	ACI 318: 26.11.2	-	
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	Y	PERIODIC	ACI 318: 26.11.1-26)	-	
13. CONCRETE STRENGTH TESTING AND VERIFICATION OF COMPLIANCE WITH CONSTRUCTION DOCUMENTS.	Y	PERIODIC	-	-	

FOR SI: 1 INCH = 25.4 mm  
(a) WHERE APPLICABLE, SEE ALSO SECTION 1705.12 SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.  
(b) SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES, WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED. SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL, AND SHALL BE APPROVED BY THE BUILDING OFFICIAL, PRIOR TO THE COMMENCEMENT OF THE WORK.

1705.5 WOOD CONSTRUCTION				
MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT		
		Y/N	EXTENT	
1. INSPECTION OF THE FABRICATION PROCESS OF WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES IN ACCORDANCE WITH SECTION 1704.2.9	IN-PLANT REVIEW	Y	PERIODIC	
2. HIGH-LOAD DIAPHRAGMS (1705.5.1) VERIFY THICKNESS AND GRADE OF SHEATHING, SIZE OF FRAMED MEMBERS AT PANEL EDGES, NAIL DIAMETERS AND LENGTH, AND THE NUMBER OF FASTENER LINES AND THAT FASTENER SPACING IS PER APPROVED CONTRACT DOCUMENTS.	FIELD INSPECTION	Y	PERIODIC	
3. METAL-PLATE CONNECTED WOOD TRUSSES SPANNING 80 FEET OR GREATER (1705.3.2)	—	—	—	
a. INSTALLATION OF TEMPORARY RESTRAINT BRACING INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.	FIELD INSPECTION	Y	PERIODIC	
b. INSTALLATION OF PERMANENT RESTRAINT BRACING INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.	FIELD INSPECTION	Y	PERIODIC	

1705.11 AND 1705.12.2 WOOD CONSTRUCTION - SEISMIC AND WIND				
MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT		
		Y/N	EXTENT	
1. NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE MAIN WIND/SEISMIC FORCE-RESISTING SYSTEM, INCLUDING WOOD SHEARWALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLD-DOWNS	FIELD INSPECTION	Y	PERIODIC (CONTINUOUS FOR GLULAM)	

NOTE: SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WOOD SHEARWALLS, SHEAR PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE MAIN WIND/SEISMIC FORCE-RESISTING SYSTEM, WHERE THE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4 INCHES ON CENTER.

1705.6 SOILS				
MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT		
		Y/N	EXTENT	
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	FIELD INSPECTION	Y	PERIODIC	
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	FIELD INSPECTION	Y	PERIODIC	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	FIELD INSPECTION	Y	PERIODIC	
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	FIELD INSPECTION	Y	CONTINUOUS	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE, AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	FIELD INSPECTION	Y	PERIODIC	

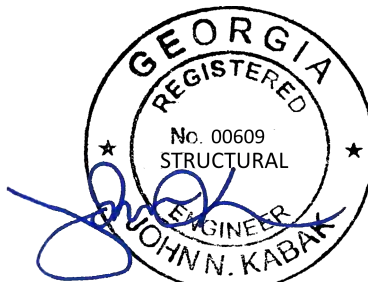
1705.7 DRIVEN DEEP FOUNDATION ELEMENTS				
MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT		
		Y/N	EXTENT	
1. VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS.	FIELD INSPECTION	Y	CONTINUOUS	
2. DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED.	FIELD INSPECTION	Y	CONTINUOUS	
3. INSPECT DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	FIELD INSPECTION	Y	CONTINUOUS	
4. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATIONS, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS, AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT.	—	N	—	
5. FOR STEEL ELEMENTS, PERFORM ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.2.	—	N	—	
6. FOR CONCRETE ELEMENTS AND CONCRETE FILLED ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3.	—	N	—	
7. FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL SPECIAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. SEE RAMMED AGGREGATE PIER NOTES ON SHEET S0001.	—	Y	—	

- NOTES:
1. THE INSPECTION AND TESTING AGENT OR AGENTS, SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL, PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR AND/OR TESTING AGENCIES MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND/OR THE DESIGN PROFESSIONAL.
2. SUBMIT A LIST OF THE SPECIAL INSPECTORS ON A SEPARATE DOCUMENT TO THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONAL.
3. SPECIAL INSPECTIONS AS REQUIRED BY SECTION 1704.2.5 ARE NOT REQUIRED WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2.5.1.
4. OBSERVE ON A RANDOM BASIS, OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. PERFORM THESE TASKS FOR EACH WELDED JOINT, BOLTED CONNECTION, OR STEEL ELEMENT.
5. NOT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AHI. REFER TO AISC 360, N7.

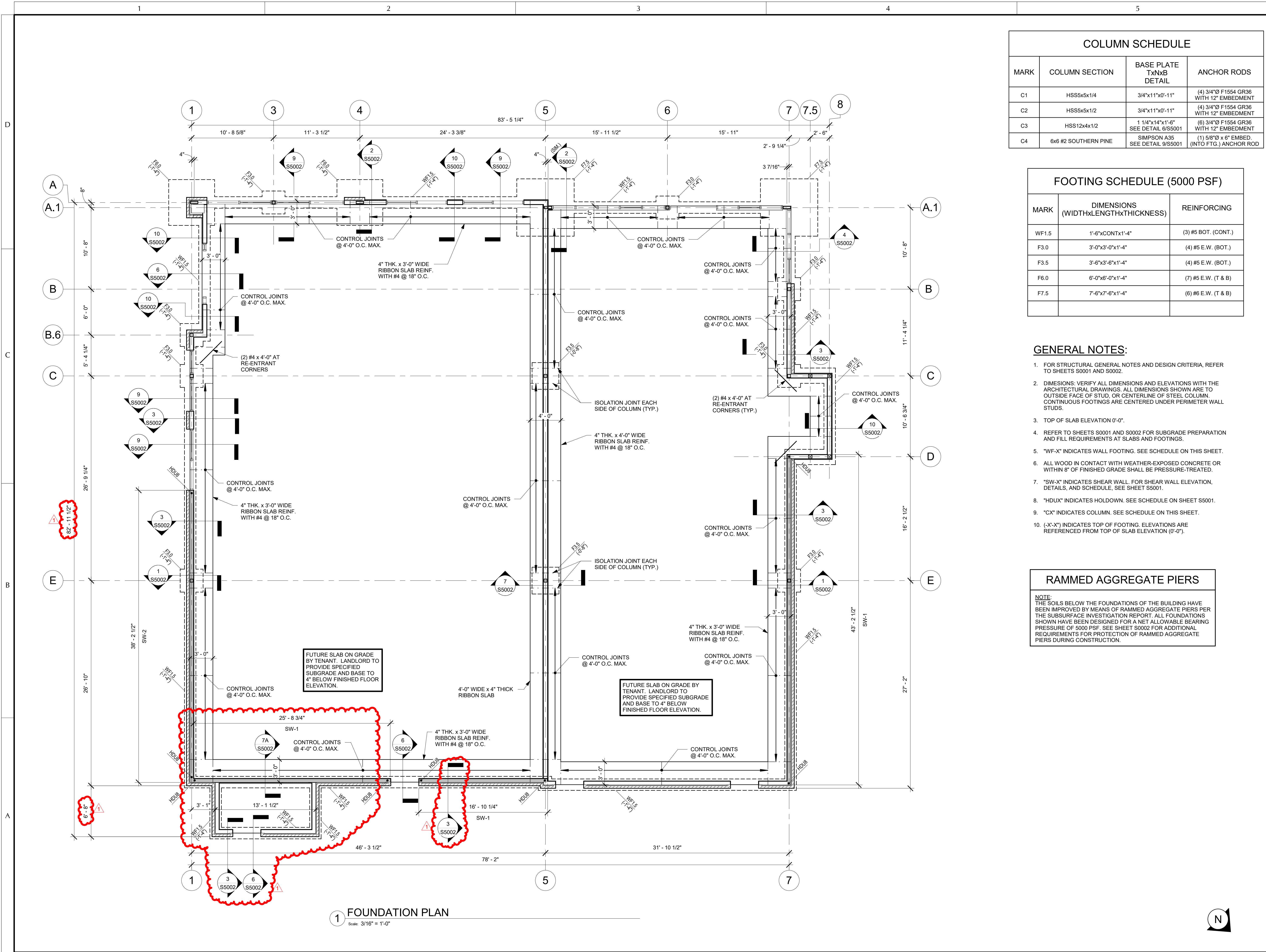
- DEFINITIONS:
1. GENERAL INSPECTION: INSPECTION OF CONSTRUCTION REQUIRING THE EXPERTISE OF AN APPROVED SPECIAL INSPECTOR IN ORDER TO ENSURE COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
2. SPECIAL INSPECTOR: QUALIFIED FIRM OR INDIVIDUAL RESPONSIBLE FOR PERFORMING SPECIFIC TESTS OR INSPECTIONS AS PART OF THE SPECIAL INSPECTION PROGRAM.
3. PERIODIC SPECIAL INSPECTION: THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK, MAY BE ALLOWED WHEN COMPLIANCE OF THE WORK OR PRODUCT CAN BE DETERMINED AFTER BEING INCORPORATED INTO THE STRUCTURE.
4. CONTINUOUS SPECIAL INSPECTION: THE FULL TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.



DESCRIPTION	
REV.	DATE







COLUMN SCHEDULE			
MARK	COLUMN SECTION	BASE PLATE TXNB DETAIL	ANCHOR RODS
C1	HSS5x5x1/4	3/4"x11"x0'-11"	(4) 3/4"Ø F1554 GR36 WITH 12" EMBEDMENT
C2	HSS5x5x1/2	3/4"x11"x0'-11"	(4) 3/4"Ø F1554 GR36 WITH 12" EMBEDMENT
C3	HSS12x4x1/2	1 1/4"x14"x1'-6" SEE DETAIL 6/S5001	(6) 3/4"Ø F1554 GR36 WITH 12" EMBEDMENT
C4	6x6 #2 SOUTHERN PINE	SIMPSON A35 SEE DETAIL 9/S5001	(1) 5/8"Ø x 6" EMBED. (INTO FTG.) ANCHOR ROD

FOOTING SCHEDULE (5000 PSF)		
MARK	DIMENSIONS (WIDTHxLENGTHxTHICKNESS)	REINFORCING
WF1.5	1'-6"xCONTx1'-4"	(3) #5 BOT. (CONT.)
F3.0	3'-0"x3'-0"x1'-4"	(4) #5 E.W. (BOT.)
F3.5	3'-6"x3'-6"x1'-4"	(4) #5 E.W. (BOT.)
F6.0	6'-0"x6'-0"x1'-4"	(7) #5 E.W. (T & B)
F7.5	7'-6"x7'-6"x1'-4"	(6) #6 E.W. (T & B)

GENERAL NOTES:

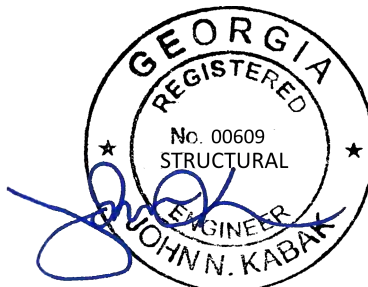
- FOR STRUCTURAL GENERAL NOTES AND DESIGN CRITERIA, REFER TO SHEETS S0001 AND S0002.
- DIMENSIONS: VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS. ALL DIMENSIONS SHOWN ARE TO OUTSIDE FACE OF STUD, OR CENTERLINE OF STEEL COLUMN. CONTINUOUS FOOTINGS ARE CENTERED UNDER PERIMETER WALL STUDS.
- TOP OF SLAB ELEVATION 0'-0".
- REFER TO SHEETS S0001 AND S0002 FOR SUBGRADE PREPARATION AND FILL REQUIREMENTS AT SLABS AND FOOTINGS.
- "WF-X" INDICATES WALL FOOTING. SEE SCHEDULE ON THIS SHEET.
- ALL WOOD IN CONTACT WITH WEATHER-EXPOSED CONCRETE OR WITHIN 8" OF FINISHED GRADE SHALL BE PRESSURE-TREATED.
- "SW-X" INDICATES SHEAR WALL. FOR SHEAR WALL ELEVATION, DETAILS, AND SCHEDULE, SEE SHEET S5001.
- "HDUX" INDICATES HOLDOWN. SEE SCHEDULE ON SHEET S5001.
- "CX" INDICATES COLUMN. SEE SCHEDULE ON THIS SHEET.
- ("X-X") INDICATES TOP OF FOOTING. ELEVATIONS ARE REFERENCED FROM TOP OF SLAB ELEVATION (0'-0").

RAMMED AGGREGATE PIERS

NOTE:  
THE SOILS BELOW THE FOUNDATIONS OF THE BUILDING HAVE BEEN IMPROVED BY MEANS OF RAMMED AGGREGATE PIERS PER THE SUBSURFACE INVESTIGATION REPORT. ALL FOUNDATIONS SHOWN HAVE BEEN DESIGNED FOR A NET ALLOWABLE BEARING PRESSURE OF 5000 PSF. SEE SHEET S0002 FOR ADDITIONAL REQUIREMENTS FOR PROTECTION OF RAMMED AGGREGATE PIERS DURING CONSTRUCTION.



DESCRIPTION	
REV.	DATE
1	08/27/2021



MARIETTA HWY & I-575  
5068 MARIETTA HIGHWAY  
CANTON, GA 30114

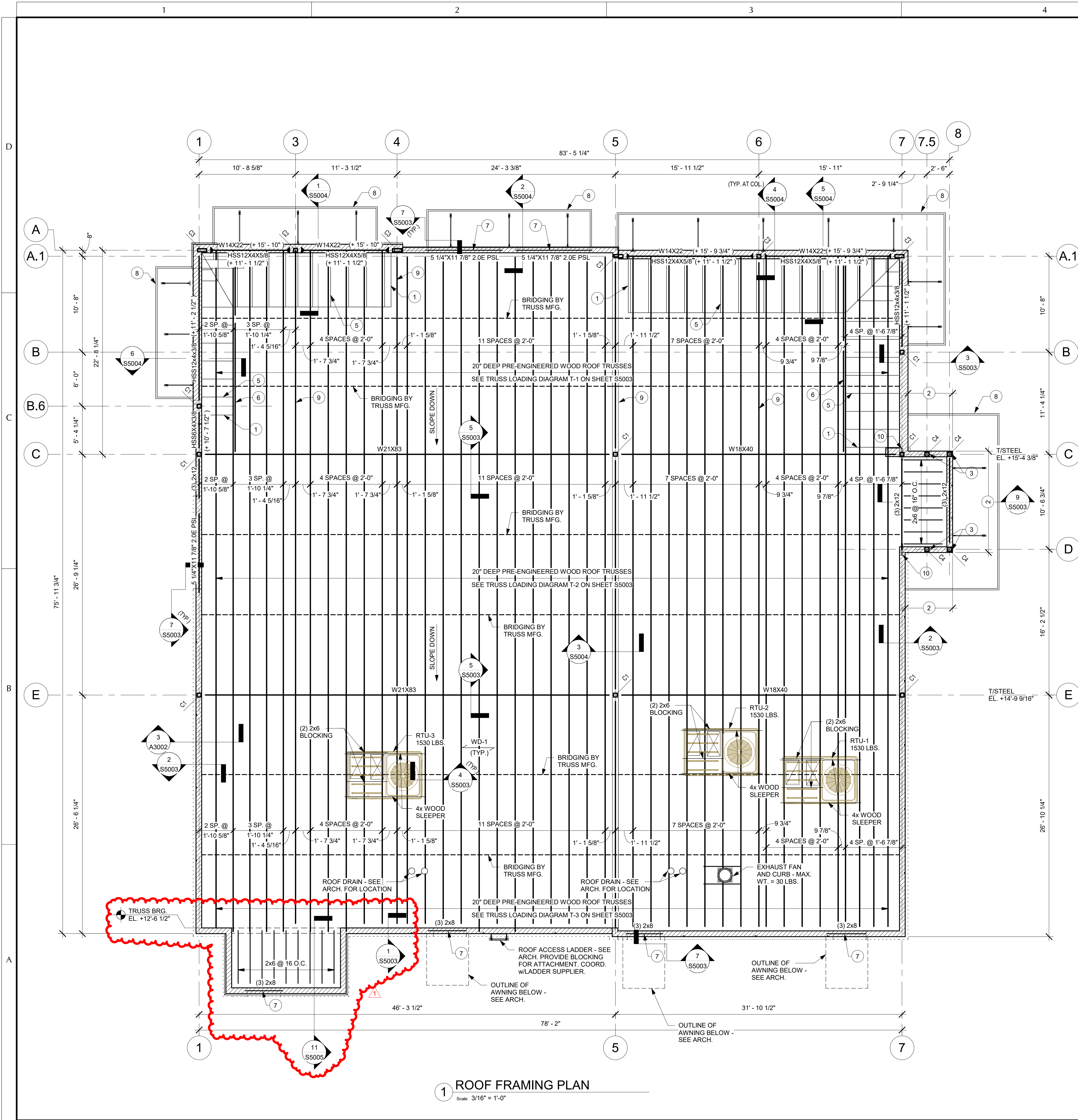
FOUNDATION PLAN

DATE	
ISSUED FOR CONSTRUCTION	
BID	
PROJECT MANAGER	DESIGNER
AK	AHG

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2020379.07

S1001





ROOF FRAMING PLAN NOTES

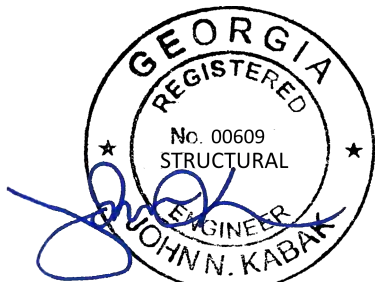
- FOR STRUCTURAL GENERAL NOTES & DESIGN CRITERIA, REFERENCE SHEETS S0001 AND S0002.
- DIMENSIONS: VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS. DIMENSIONS SHOWN ARE TO OUTSIDE FACE OF STUD, CENTERLINE OF JOIST OR CENTERLINE OF GRID/STEEL.
- FOR ALL DUCTS, CHASES, AND PIPES, REFERENCE MECHANICAL, PLUMBING, ELECTRICAL, AND SPRINKLER DRAWINGS.
- ALL EXTERIOR WALLS TO BE NAILED PER SHEAR WALL TYPE 1, UNO ON PLAN. FOR BEAM/HEADER SUPPORT STUDS NOT SHOWN ON PLAN, REFERENCE STRUCTURAL NOTES FOR TYPICAL REQUIREMENTS.
- WD-1 DENOTES 23/32" APA RATED ROOF SHEATHING. SEE NOTES ON SHEET S0002 FOR NAILING REQUIREMENTS.
- PROVIDE W.S.P. FILLERS BETWEEN PLIES OF HEADERS TO MATCH WIDTH WALL STUDS.
- SEE FOUNDATION PLAN FOR SHEAR WALL LOCATIONS.
- (X'-X") INDICATES TOP OF STEEL ELEVATION REFERENCED FROM FINISH FLOOR ELEVATION (0'-0").
- INDICATES MOMENT CONNECTION. SEE DETAILS 10/S5002 AND 6/S5003.

KEY NOTES

- PROVIDE END WALL FRAMED WITH 2x4 STUDS @ 16" O.C. WITH 15/32" WOOD STRUCTURAL PANEL SHEATHING.
- DENOTES DOUBLE 2x TOP PLATE AT TOP OF PARAPET TO BE CONTINUOUS WITHOUT BREAKS FOR EXTENTS SHOWN. FASTEN DOUBLE PLATE TOGETHER USING (2) 10d NAILS @ 16" O.C. LAP TOP PLATES AT CORNERS USING SIMPSON 1212HL STRAP TIE.
- STRUCTURAL ATTACHMENTS OF PRE-ENGINEERED CANOPIES SHALL BE MADE TO POSTS INDICATED.
- SIMPSON ST2215 WITH (10) 16d NAILS TO TOP PLATE AND (10) 16d NAILS TO BEAM.
- INDICATES PARAPET TRUSSES @ 2'-0" O.C.
- PROVIDE DOUBLE TRUSS.
- GALV. L5x3 1/2x3/8 (LLV) BRICK LINTEL.
- PRE-ENGINEERED CANOPY DESIGNED BY OTHERS.
- PROVIDE 3 PLY TRUSS MIN. TRUSS TO CARRY 4K AXIAL LOAD AT COLUMN LOCATIONS.
- SIMPSON ST2215 WITH (10) 16d NAILS TO TOP PLATE AND (10) 16d NAILS TO TOP OF BEAM.



REV.	DATE	DESCRIPTION
1	08/27/2021	BUILDING DEPARTMENT REVISIONS



08/27/2021

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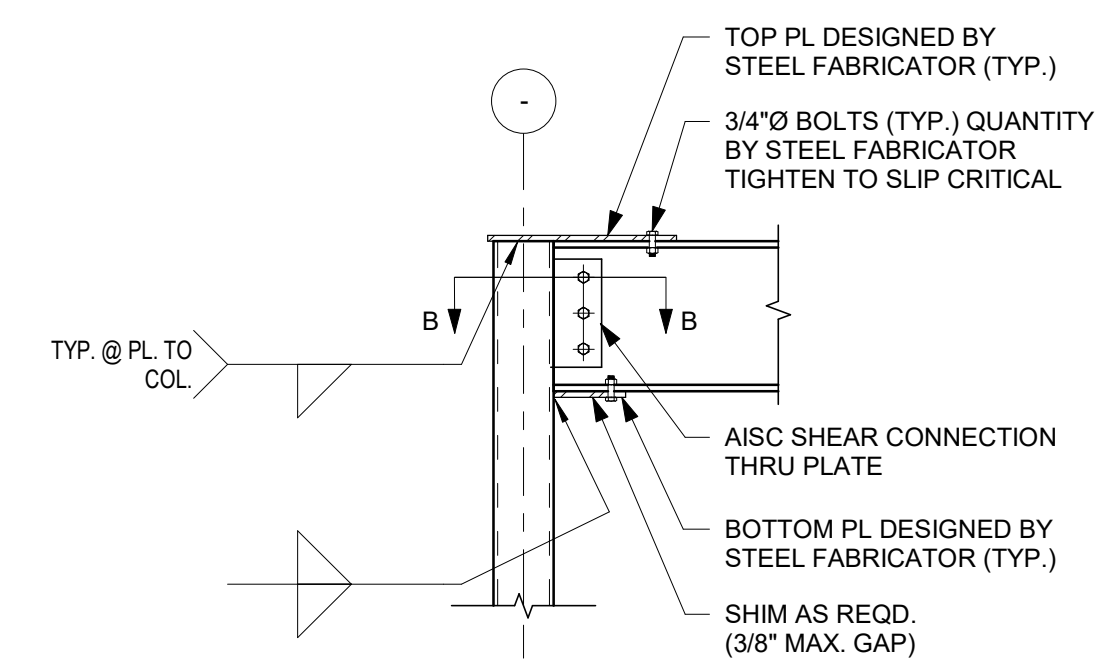
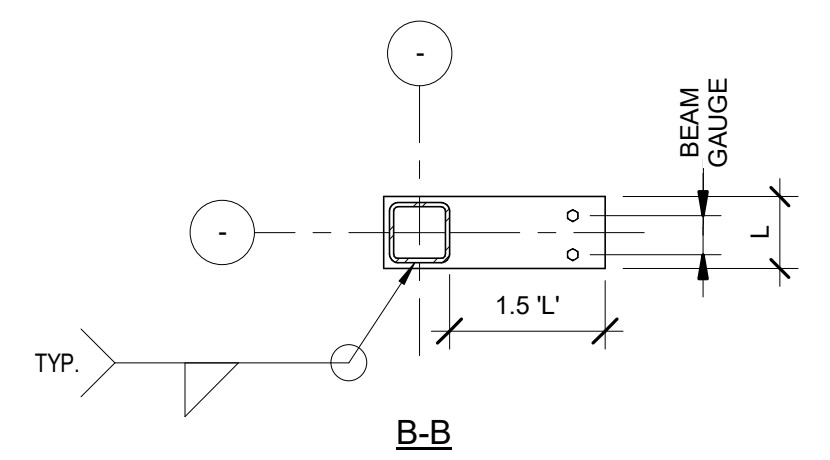
ROOF PLAN

ISSUED FOR CONSTRUCTION	DATE
BID	
PROJECT MANAGER	DESIGNER
AK	AHG

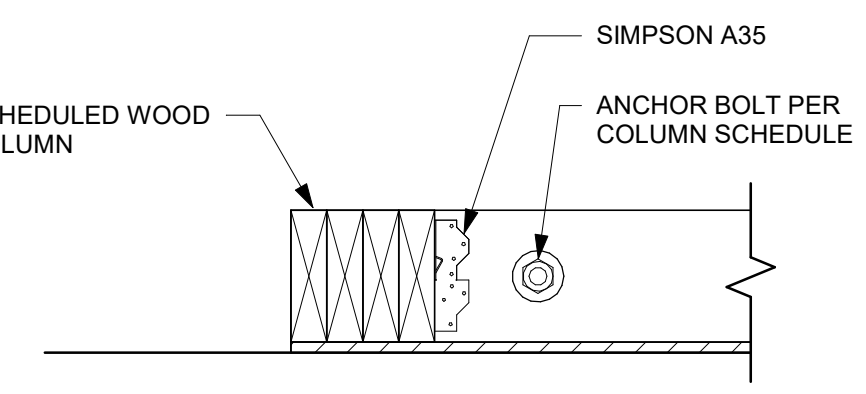
JOB NO.  
2020379.07

S1002

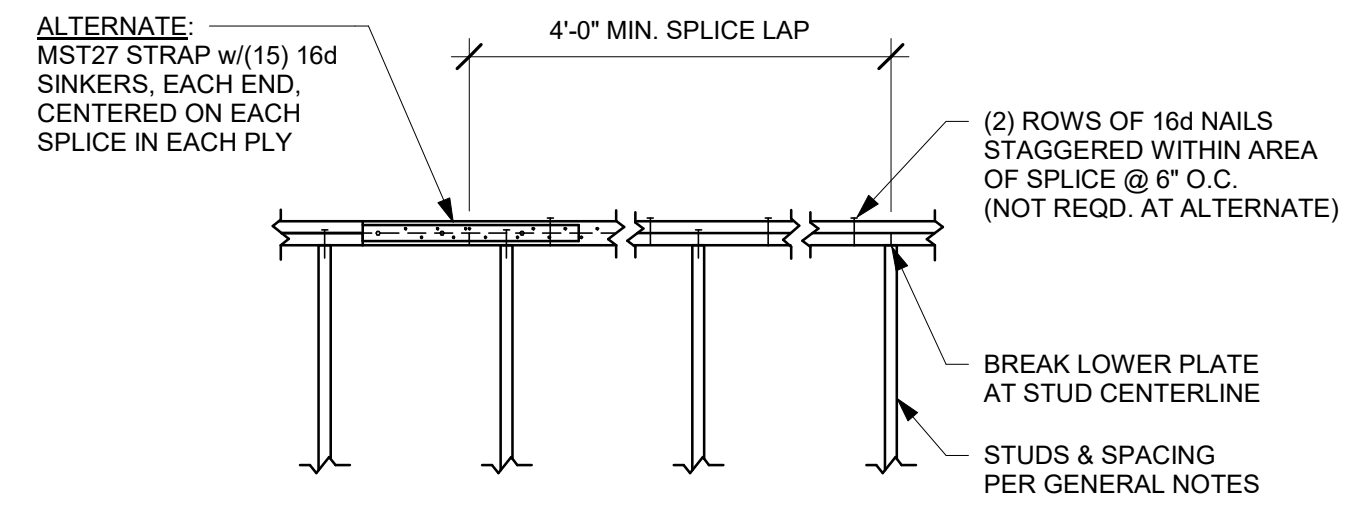




10 SECTION  
Scale: 3/4" = 1'-0"

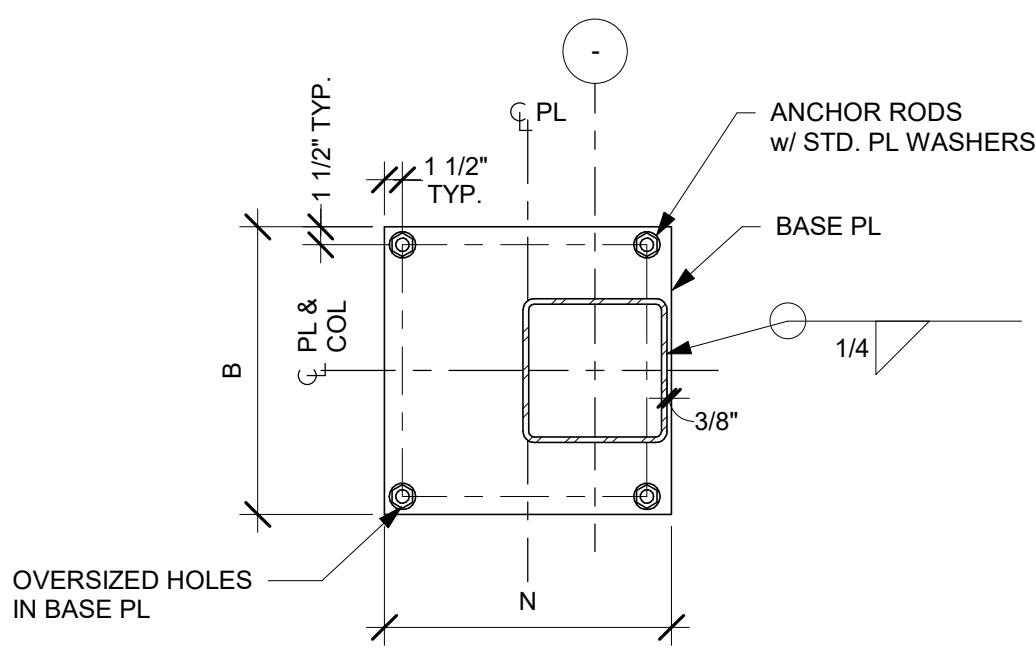


9 TYP. WOOD COLUMN SHEAR CONNECTION  
Scale: 1 1/2" = 1'-0"



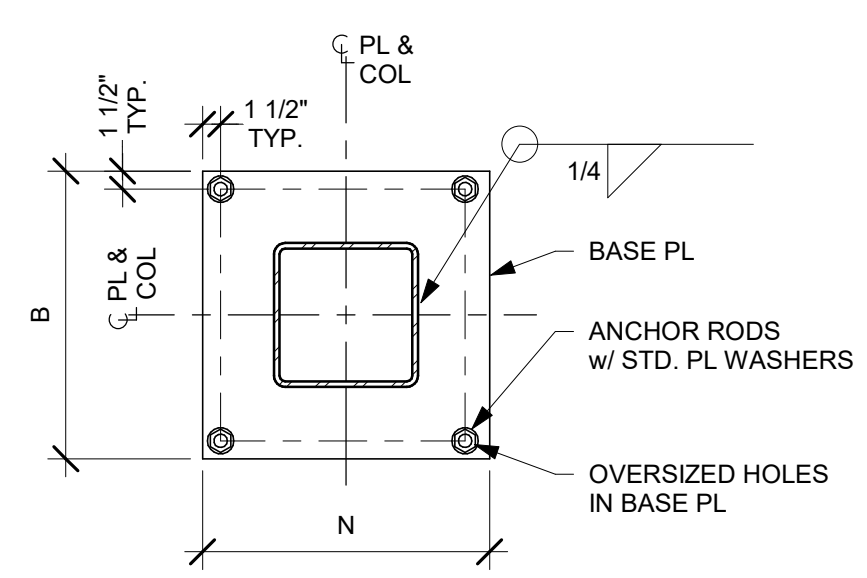
NOTE: ROOF JOISTS NOT SHOWN FOR CLARITY

5 TYPICAL SPLICE PLATE DETAIL  
Scale: 1/2" = 1'-0"



NOTE: SEE COLUMN SCHEDULE FOR ADDITIONAL INFORMATION. SEE PLAN FOR ORIENTATION.

7 TYP. OFFSET BASE PL DETAIL  
Scale: 3/4" = 1'-0"



NOTE: SEE COL. SCHEDULE FOR ADDITIONAL INFORMATION.

8 TYP. BASE PLATE DETAIL  
Scale: 3/4" = 1'-0"

SHEAR WALL HOLDOWN SCHEDULE				
MODEL #	ANCHORAGE TYPE/ MIN EMBEDMENT	FASTENERS	END STUD REQUIRED	CAPACITY (LBS.)
HDU8	7/8"Ø x 12" EMB.* ANCHOR ROD	(20) 1/4"Ø x 2 1/2" SDS WOOD SCREWS	(2) 2x STUDS	6,765

\* EMBEDMENT SPECIFIED IS INTO FOOTING

- NOTES:
- HOLDOWNS SPECIFIED ARE AS MANUFACTURED BY SIMPSON STRONG-TIE CO., INC. ACCEPTABLE EQUIVALENT PRODUCT SUBSTITUTIONS ARE AVAILABLE FROM OTHER MANUFACTURERS w/ SER APPROVAL.
  - LOCATE ALL HOLDOWNS AT ENDS OF ALL SHEAR WALLS & FASTEN TO BUNDLED END STUDS.
  - BUNDLED END STUDS SHOULD BE STITCH-NAILED TOGETHER USING MINIMUM (2) 16d @ 10" O.C. U.N.O.
  - LOCATE "HDU8" HOLDOWNS AT CONCRETE FOUNDATION LEVEL.
  - ALL HOLDOWN ANCHOR BOLTS SHALL BE 4" MIN. FROM CONCRETE WALL ENDS.
  - SEE GENERAL NOTES FOR ADDITIONAL ANCHOR BOLT REQUIREMENTS.

4 TYP. WOOD FRAMED HOLDOWN SCHEDULE  
Scale: 3/4" = 1'-0"

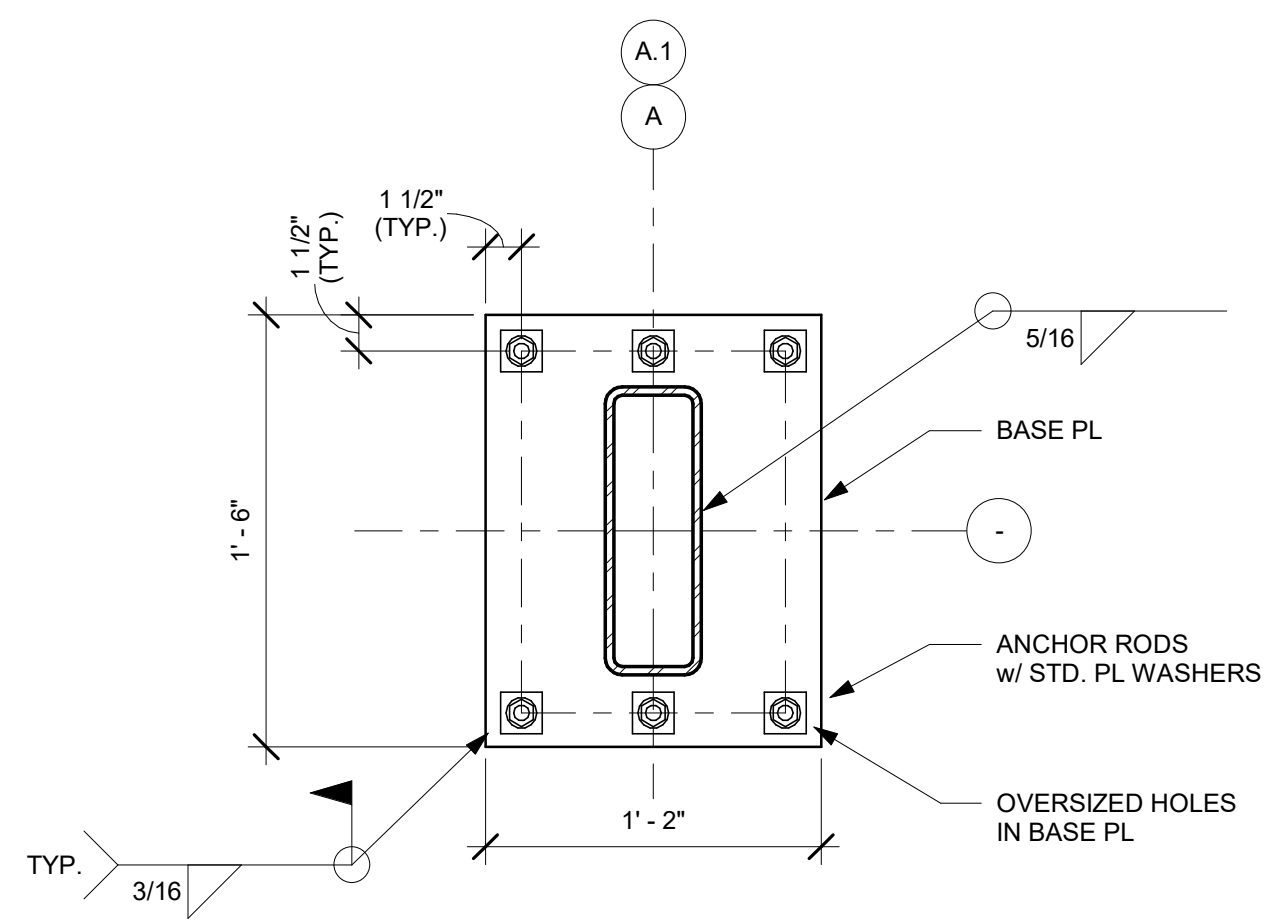
WOOD-FRAMED SHEAR WALL SCHEDULE						
SW TYPE	SW SHEATHING APA RATED	NAIL SIZE & SPACING AT PANEL EDGES	EDGE MEMBER REQUIREMENTS FRAMING MEMBER AT ABUTTING PANEL EDGES	SILL PLATE REQUIREMENTS		HOLD DOWNS EACH END
				ANCHOR BOLT TO SLAB	SILL PLATE AT SLAB	
SW-1	15/32" WSP SHEATHING	10d @ 6" O.C.	(2)-2x	1/2"Ø x 6" EMBED. @ 32" O.C.	P.T. 2x	HDU8

NOTE: SEE GENERAL NOTES FOR TYPICAL NON-SHEAR WALL CONSTRUCTION AND SILL PLATE ANCHORAGE UNLESS NOTED OTHERWISE.

- NOTES:
- INSTALL PANELS HORIZONTALLY
  - BLOCKING IS REQD. AT ALL PANEL EDGES.
  - PROVIDE SHEAR WALL SHEATHING & NAILING FOR ENTIRE LENGTH OF THE WALLS INDICATED ON THE PLANS. ENDS OF FULL HEIGHT WALLS ARE DESIGNATED BY WINDOWS OR DOORWAYS OR AS DESIGNATED ON PLANS. HOLDOWN REQUIREMENTS PER PLANS.
  - SHEATHING EDGE NAILING IS REQUIRED AT ALL HOLDOWN POSTS. EDGE NAILING MAY ALSO BE REQUIRED TO EACH STUD USED IN BUILT-UP HOLDOWN POSTS. ADDITIONAL INFORMATION PER HOLDOWN SCHEDULE & DETAILS.
  - INTERMEDIATE FRAMING TO BE 2x MINIMUM MEMBERS. ATTACH SHEATHING TO INTERMEDIATE FRAMING WITH 10d NAILS AT 12" o.c.
  - WHERE SPECIFIED, FRAMING CLIPS SHALL BE SIMPSON "A35" OR "LTP5" OR APPROVED EQUIVALENT.
  - ANCHOR BOLTS SHALL BE PROVIDED WITH HOT-DIPPED GALVANIZED STEEL PLATE WASHERS 3x3x1/4 MIN. THE HOLE IN THE PLATE WASHER MAY BE DIAGONALLY SLOTTED 13/16"x1 3/4" PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER & NUT. PLATE WASHER TO EXTEND TO WITHIN 1/2" OF THE EDGE OF THE SILL PLATE ON THE SIDE(S) WITH SHEATHING.

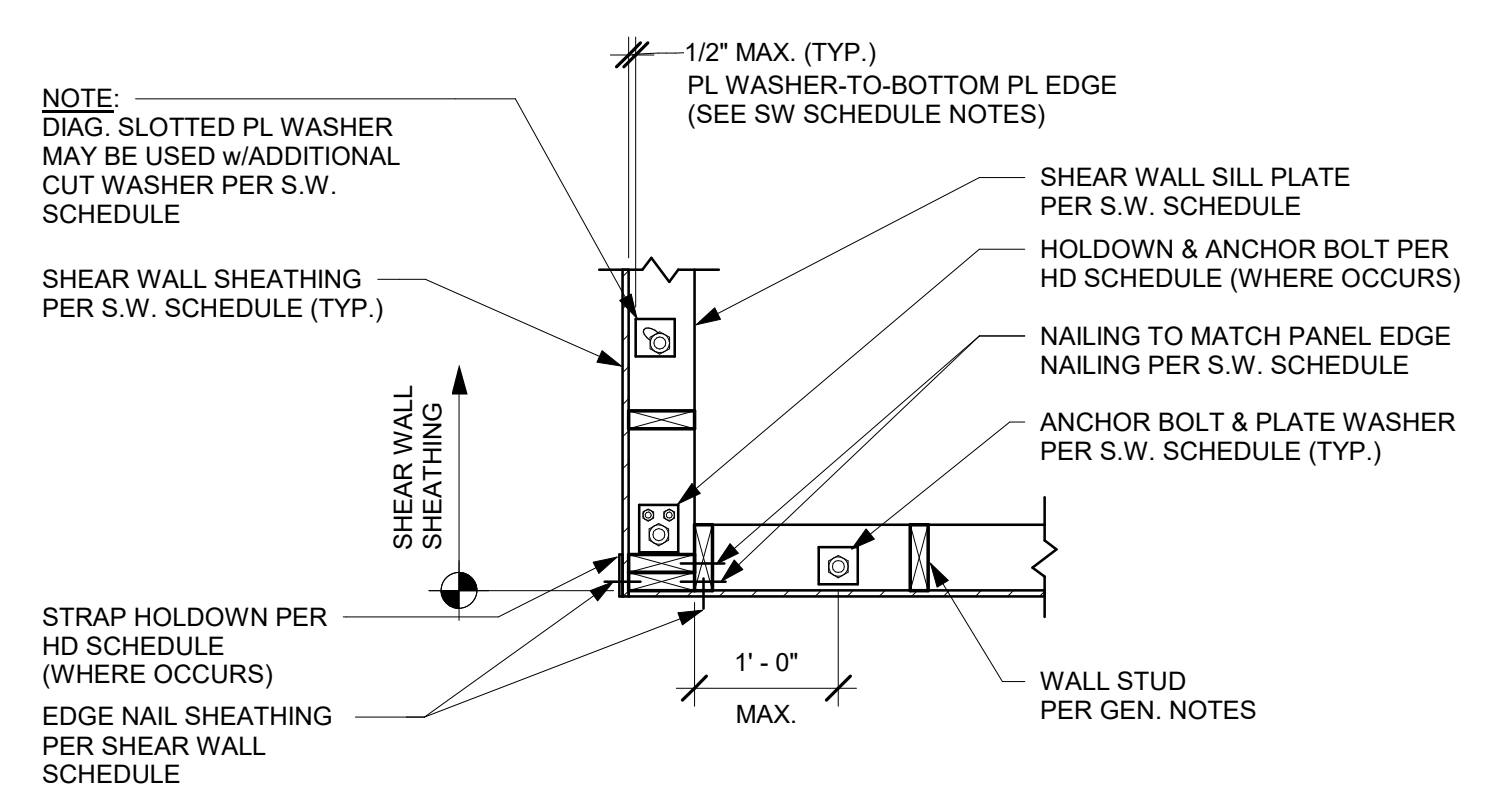
- PRESSURE TREATED MATERIAL CAN CAUSE EXCESSIVE CORROSION IN CONTACT WITH FASTENERS. ADDITIONAL INFORMATION PER STRUCTURAL NOTES.
- WHERE WOOD SHEATHING IS APPLIED OVER GYPSUM SHEATHING, CONTACT THE ENGINEER OF RECORD FOR ALTERNATE NAILING REQUIREMENTS.
- AT ADJOINING PANEL EDGES, (2) 2x STUDS NAILED TOGETHER MAY BE USED IN PLACE OF SINGLE 3x STUD. DOUBLE 2x STUDS SHALL BE CONNECTED TOGETHER BY NAILING STUDS TOGETHER WITH 3" LONG NAILS OF THE SAME SPACING & DIAMETER AS THE PLATE NAILING.
- WHERE ABUTTING PANELS OR SILL PLATES REQUIRE 3x MINIMUM, NAIL STUDS TO 3x BOTTOM SILL PLATES w/ EITHER (2) 10dØ END NAILS OR (4) 8d TOENAILS.
- CONTACT THE STRUCTURAL ENGINEER OF RECORD FOR ADHESIVE OR EXPANSION BOLT ALTERNATIVE TO CAST-IN-PLACE ANCHOR BOLTS. SPECIAL INSPECTION MAY BE REQUIRED.
- ALL EXTERIOR WALLS TO BE NAILED PER SHEAR WALL TYPE 3, U.N.O. ON PLAN. FOR BEAM/HEADER SUPPORT STUDS NOT SHOWN ON PLAN, REFERENCE STRUCTURAL NOTES FOR TYPICAL REQUIREMENTS.

2 TYP. WOOD-FRAMED SHEAR WALL SCHEDULE  
Scale: 3/4" = 1'-0"

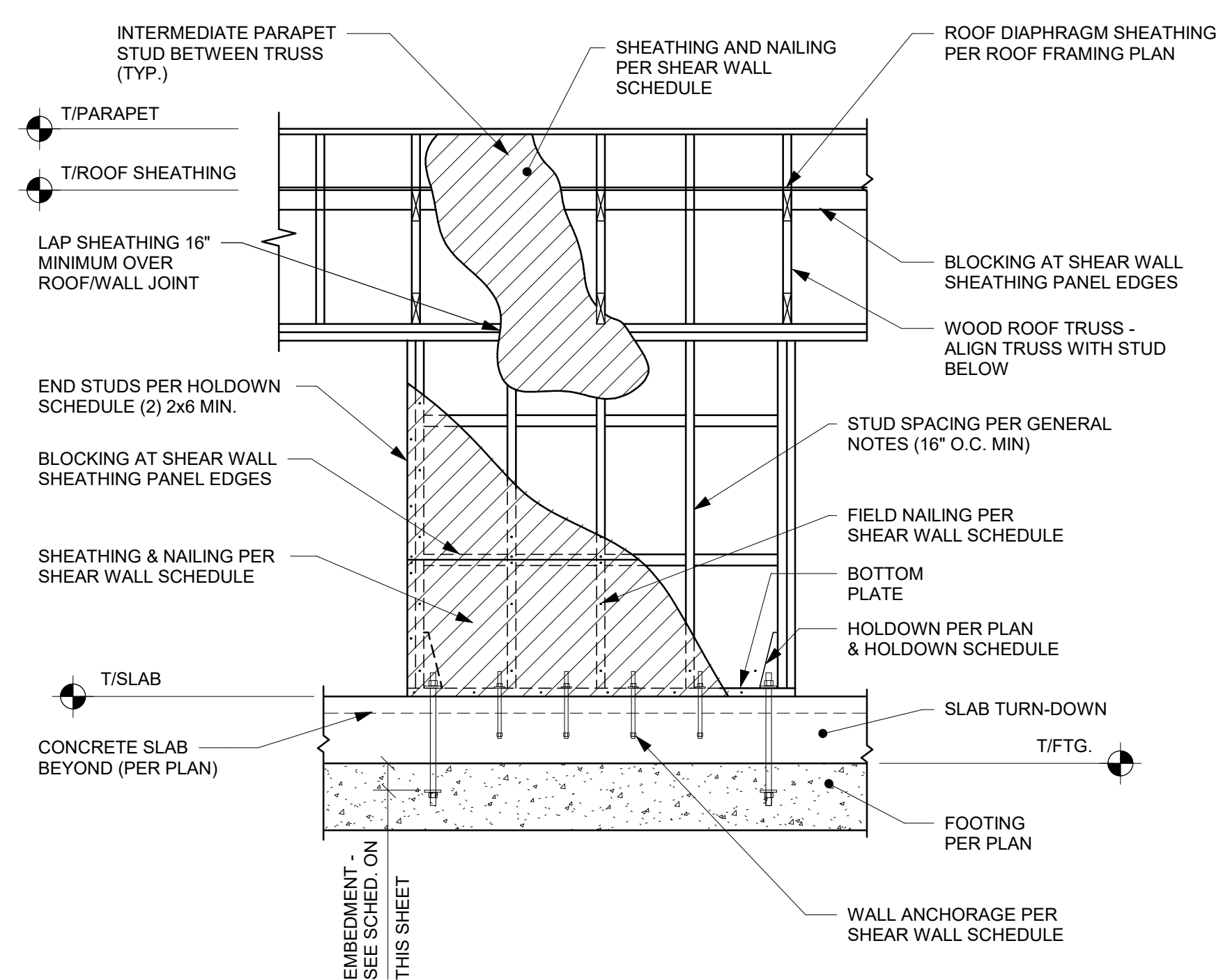


NOTE: SEE COLUMN SCHEDULE FOR ADDITIONAL INFORMATION. SEE PLAN FOR ORIENTATION.

6 TYPICAL MOMENT BASE PLATE DETAIL  
Scale: 1 1/2" = 1'-0"



3 TYP. PLAN VIEW - SHEAR WALL HOLDOWNS & ANCHOR BOLTS  
Scale: 3/4" = 1'-0"



1 TYP. SHEAR WALL ELEVATION  
Scale: 1/2" = 1'-0"

REV.	DATE	DESCRIPTION



08/27/2021

MARIETTA HWY & I-575  
5068 MARIETTA HIGHWAY  
CANTON, GA 30114

STRUCTURAL SCHEDULES AND DETAILS

DATE	
ISSUED FOR CONSTRUCTION	
BID	
PROJECT MANAGER	DESIGNER
AK	AHG

JOB NO.  
2020379.07

S5001



DESCRIPTION  
BUILDING DEPARTMENT REVISIONS

DATE  
08/27/2021

REV.  
1



08/27/2021

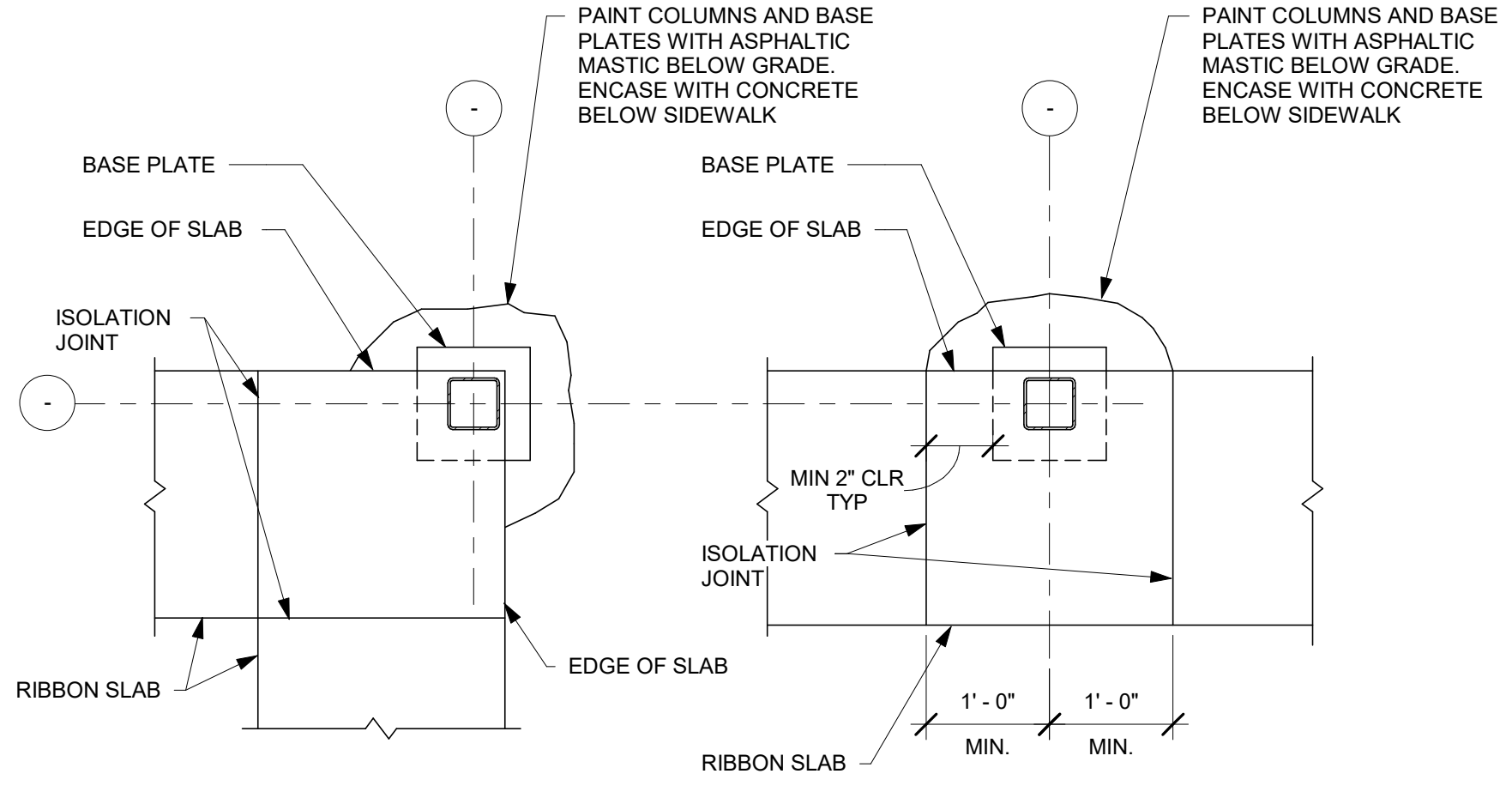
MARIETTA HWY & I-575  
5068 MARIETTA HIGHWAY  
CANTON, GA 30114

FOUNDATION SECTIONS AND  
DETAILS

DATE	
ISSUED FOR CONSTRUCTION	
BID	
PROJECT MANAGER	DESIGNER
AK	AHG

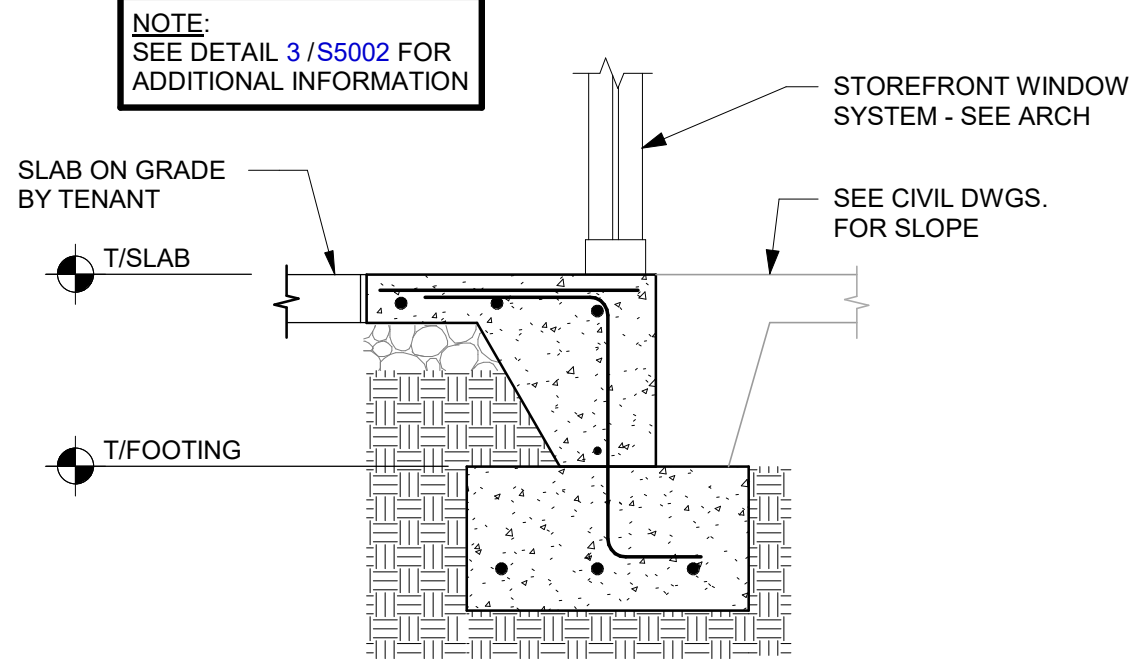
JOB NO.  
2020379.07

**S5002**

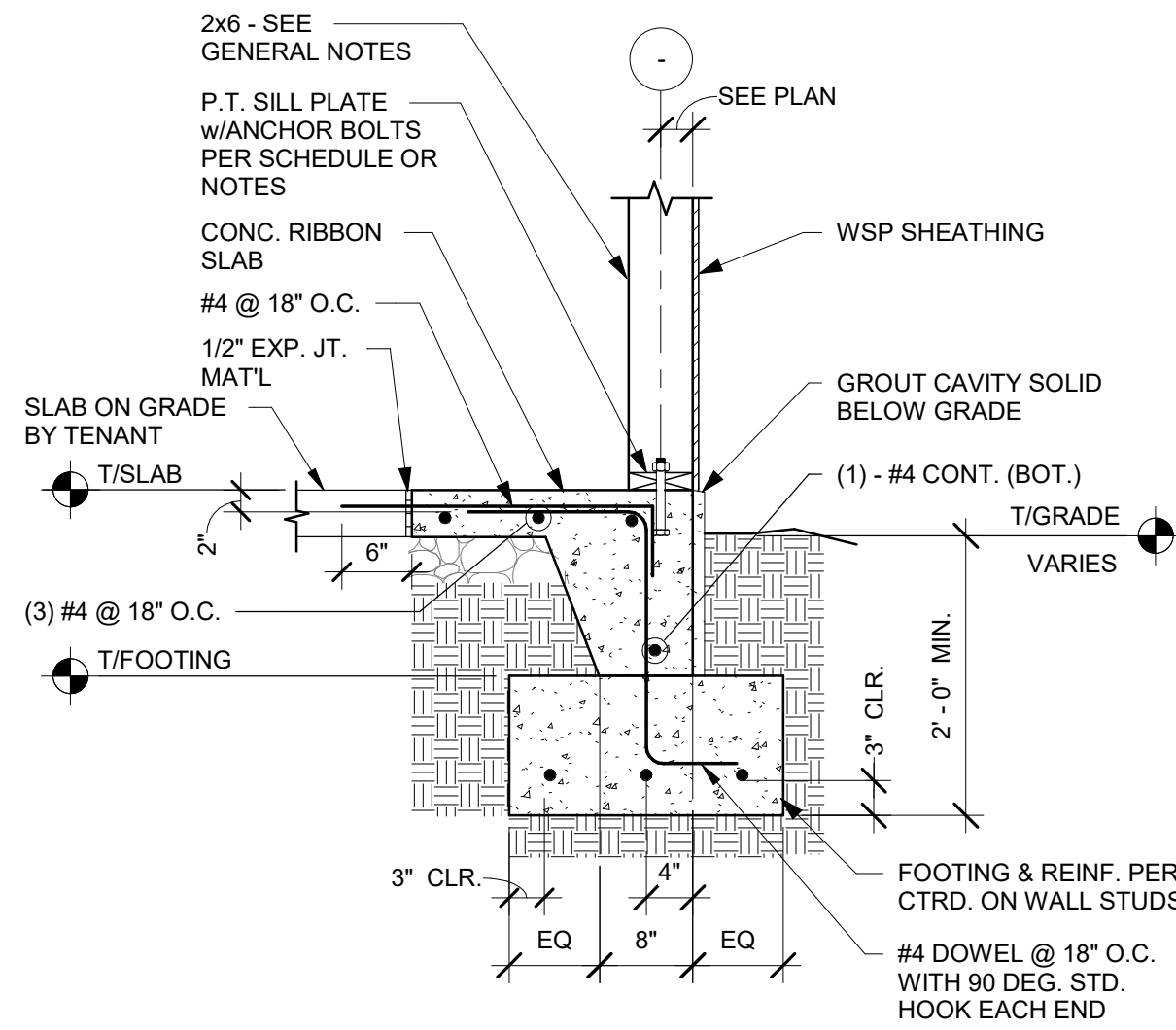


AT CORNER COLUMN AT EXTERIOR COLUMN

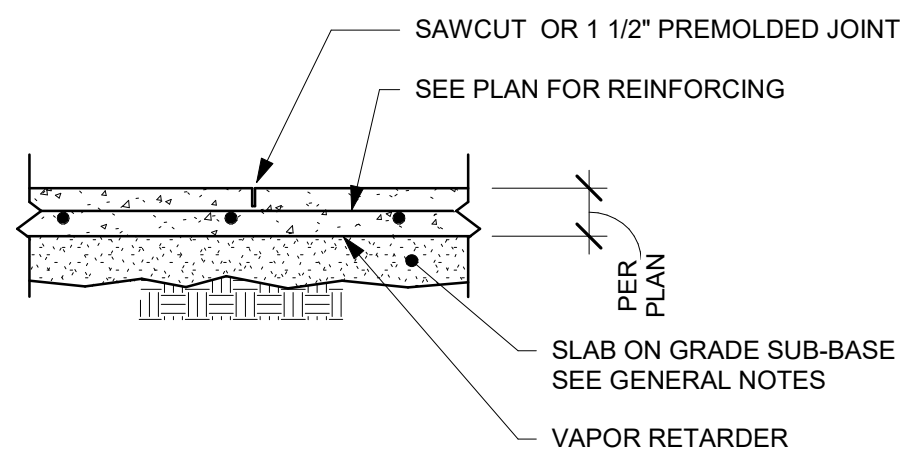
NOTE: SEE PLAN FOR ORIENTATION



9 FOOTING AT STOREFRONT WINDOW  
Scale: 3/4" = 1'-0"



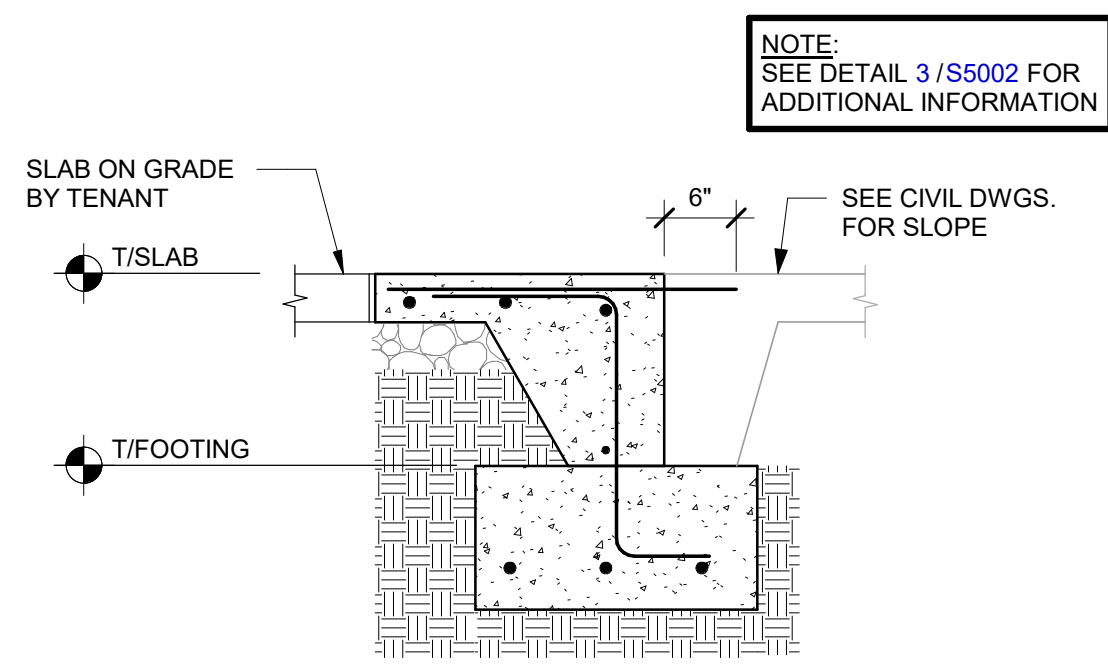
10 FOOTING AT EXTERIOR WALL  
Scale: 3/4" = 1'-0"



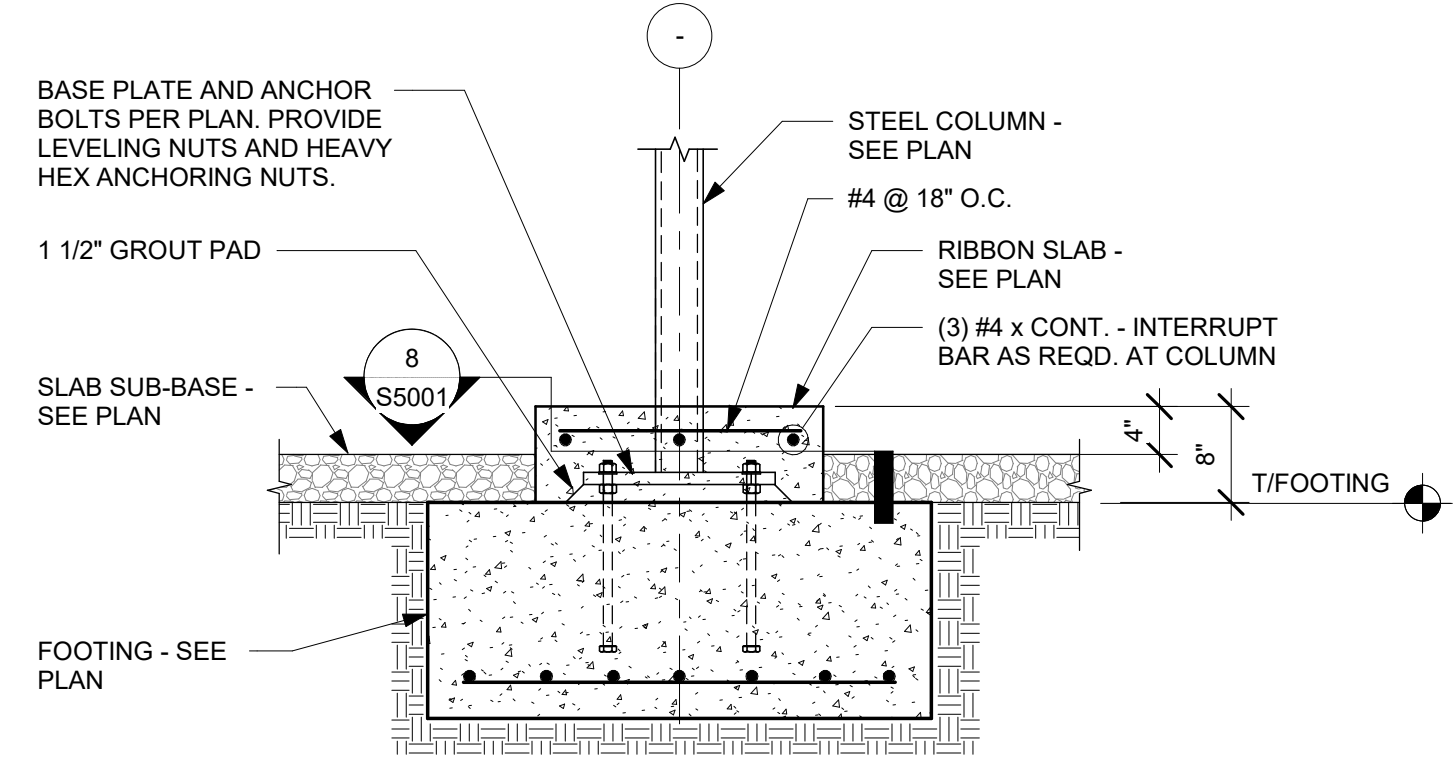
CONTROL JOINT

NOTES:  
1. FOR CONSTRUCTION OR CONTROL JOINT LOCATIONS, REFERENCE FOUNDATION/SLAB PLAN.  
2. USE "SOFTCUT SAW" AS SOON AS POSSIBLE WITHOUT CAUSING RAVELING OF CONCRETE EDGES. SAWCUT ALONG SHORT DIRECTION OF POUR FIRST.

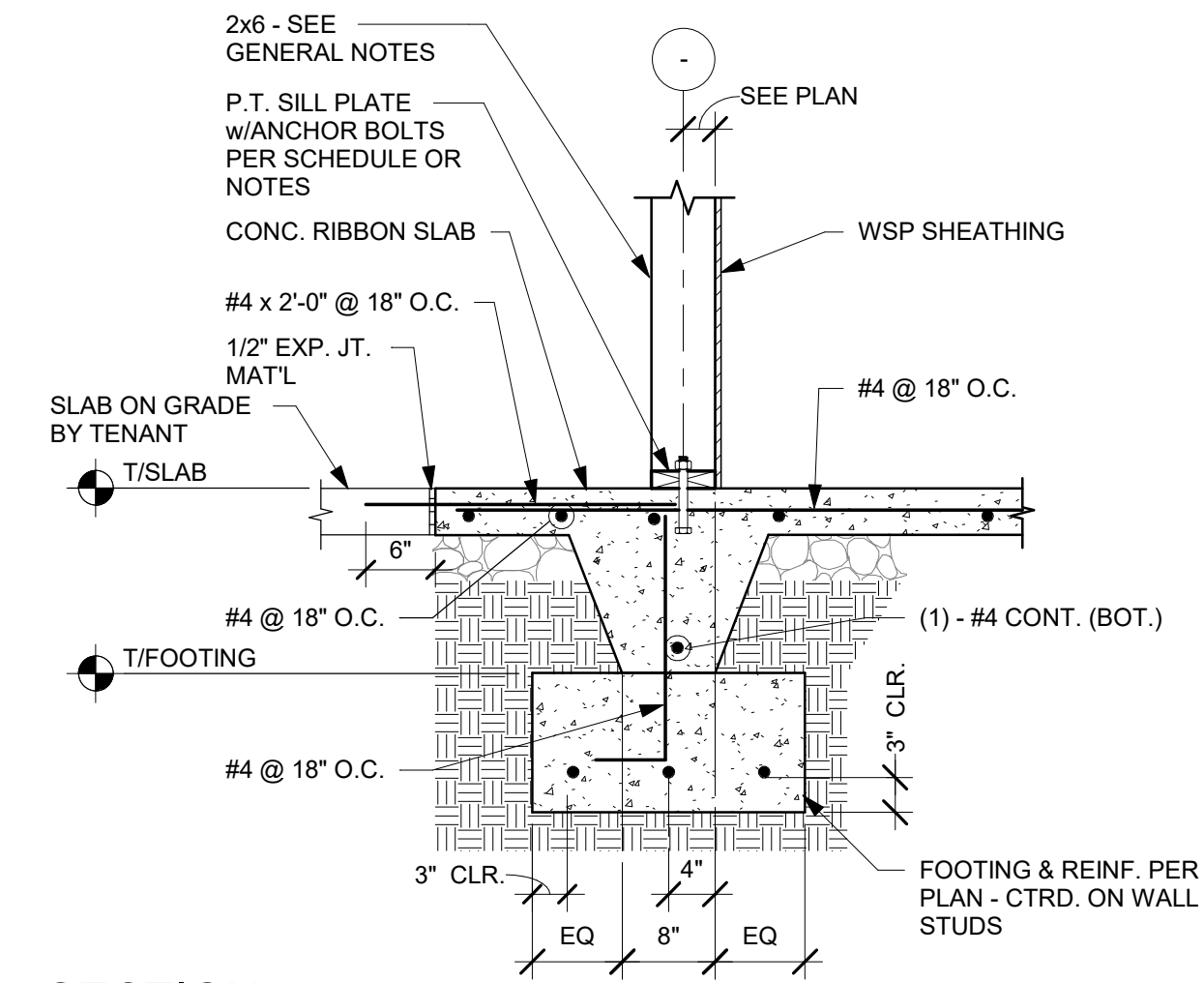
5 TYPICAL SLAB ON GRADE JOINT DETAIL  
Scale: 3/4" = 1'-0"



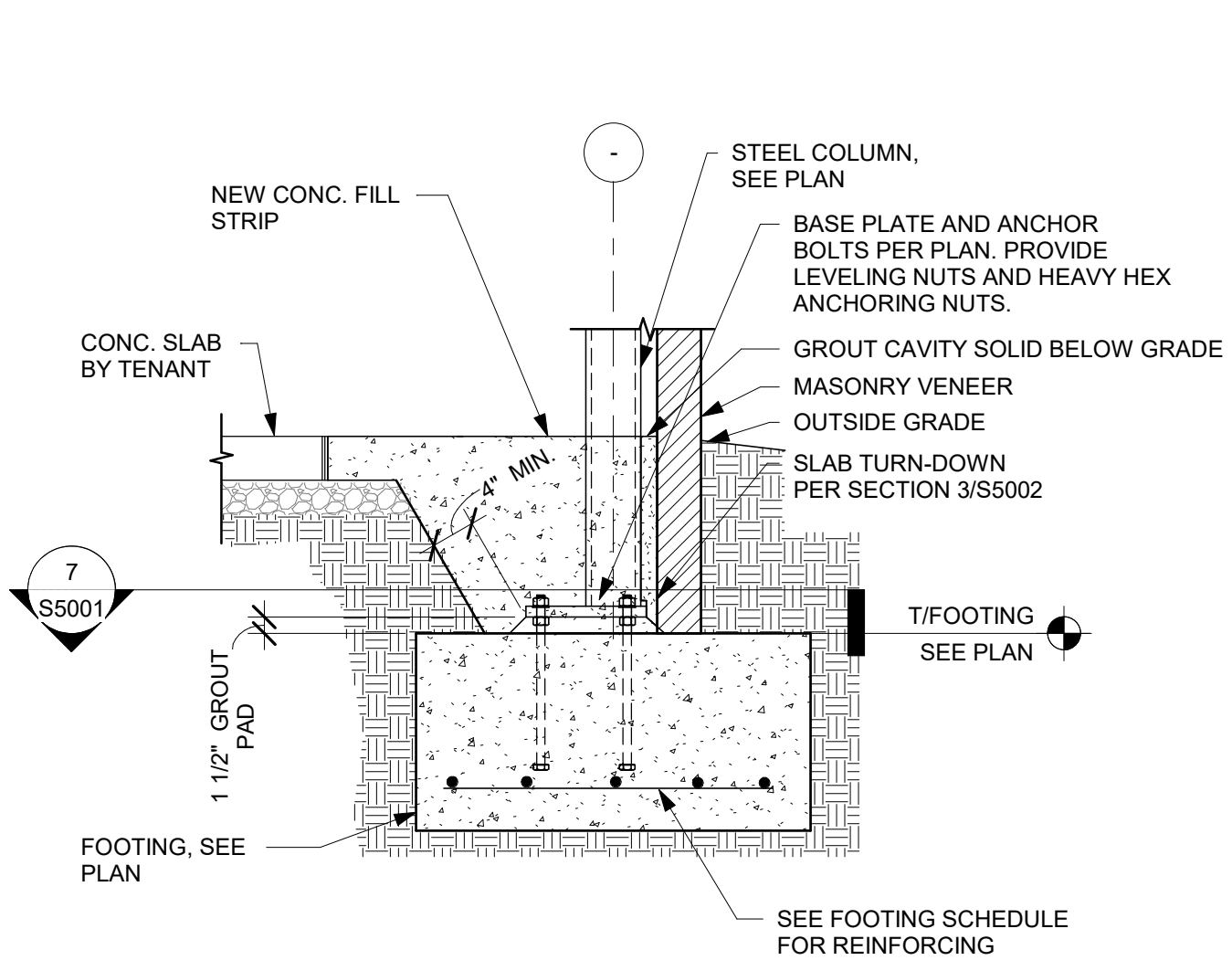
6 FOOTING AT EXTERIOR DOOR  
Scale: 3/4" = 1'-0"



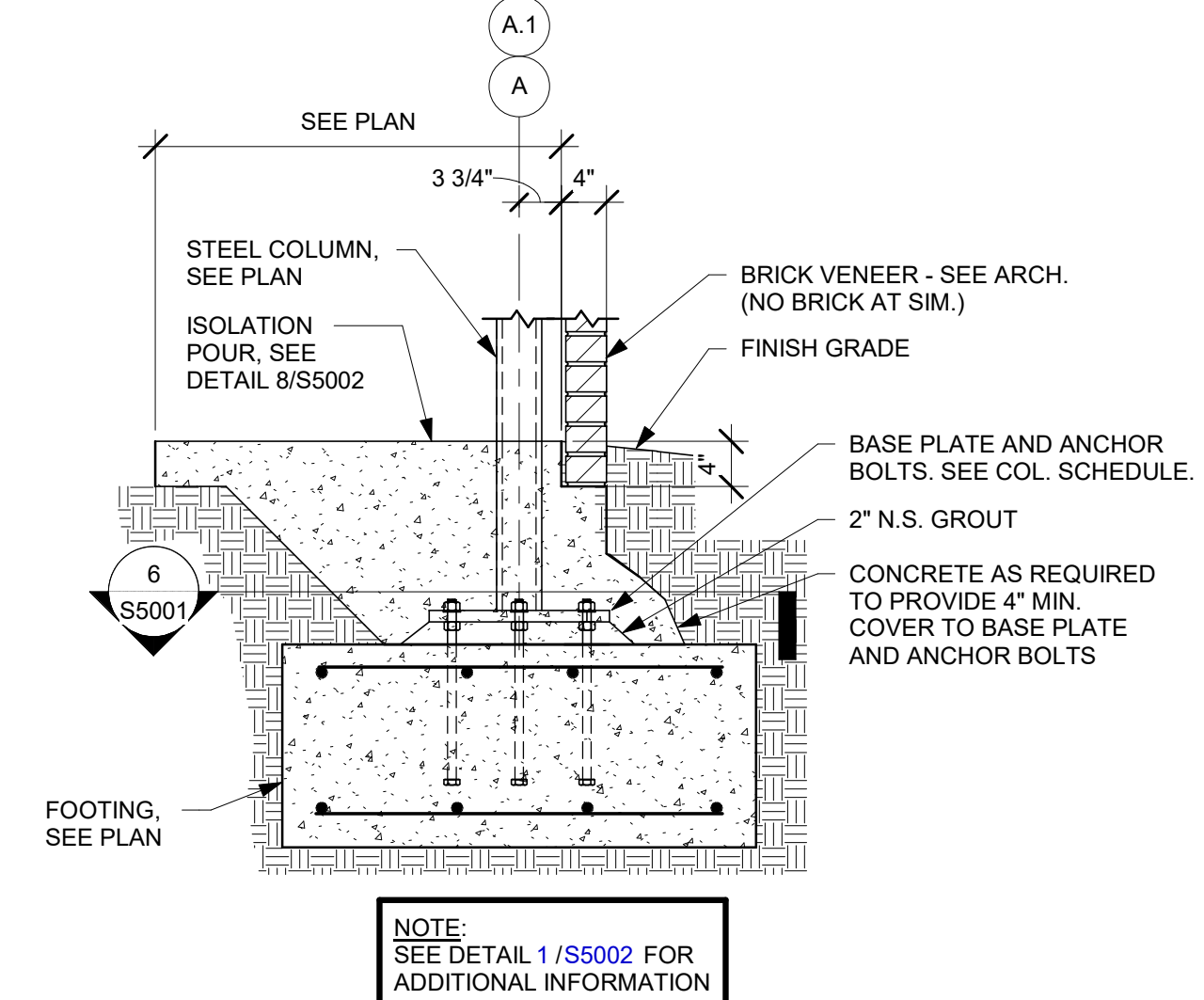
7 SECTION AT INTERIOR COLUMN  
Scale: 3/4" = 1'-0"



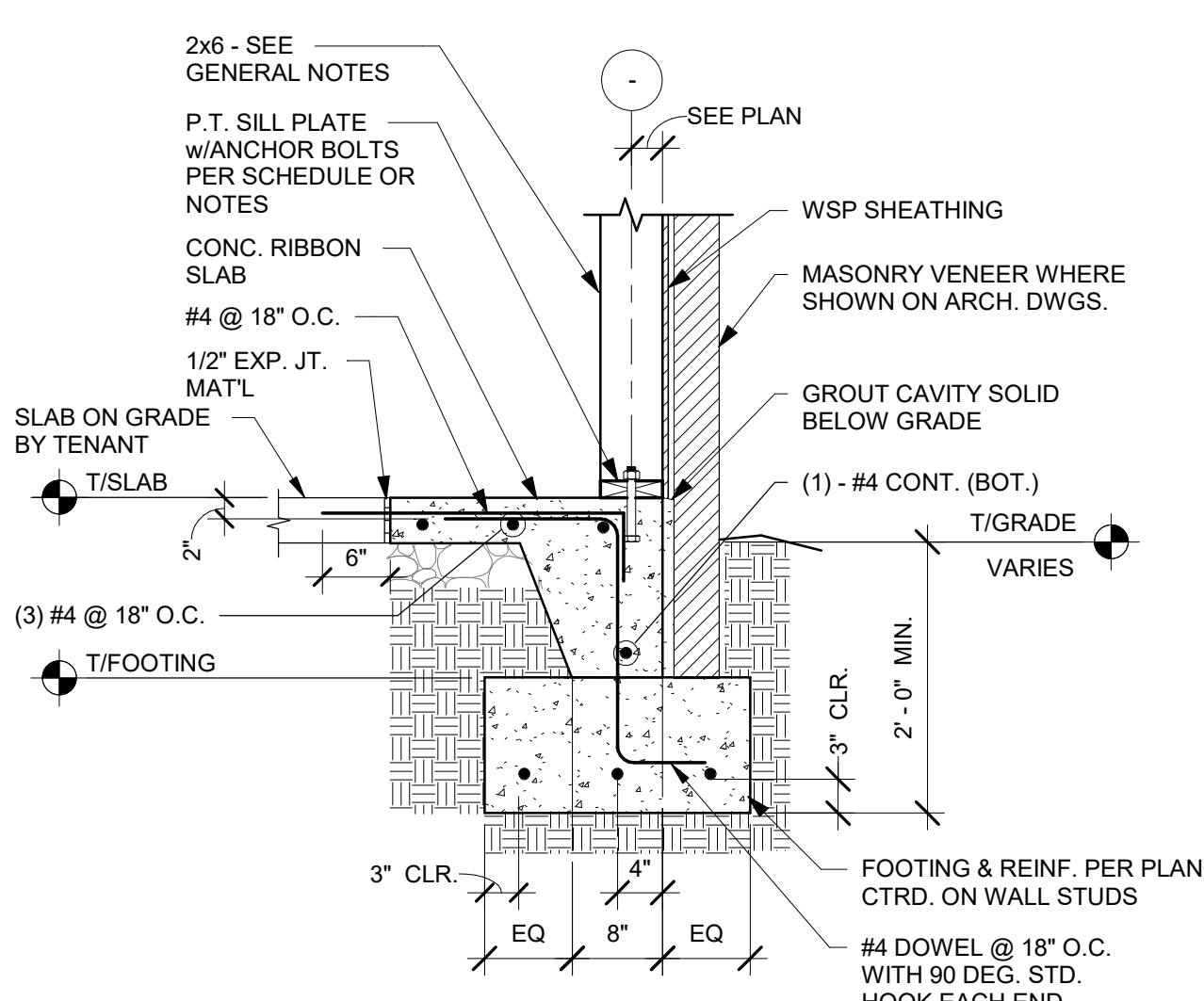
7A SECTION  
Scale: 3/4" = 1'-0"



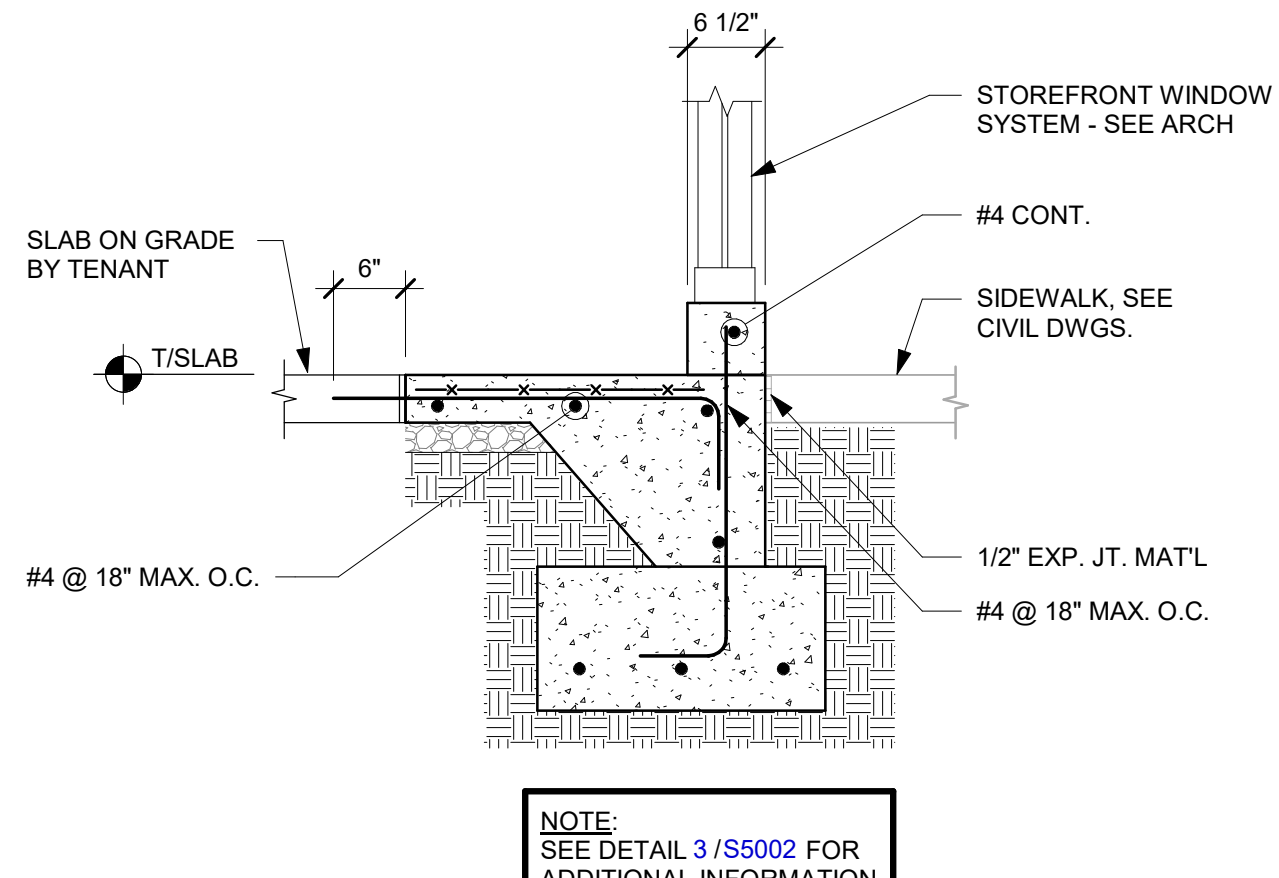
1 SECTION  
Scale: 3/4" = 1'-0"



2 SECTION AT MOMENT FRAME COLUMN  
Scale: 3/4" = 1'-0"

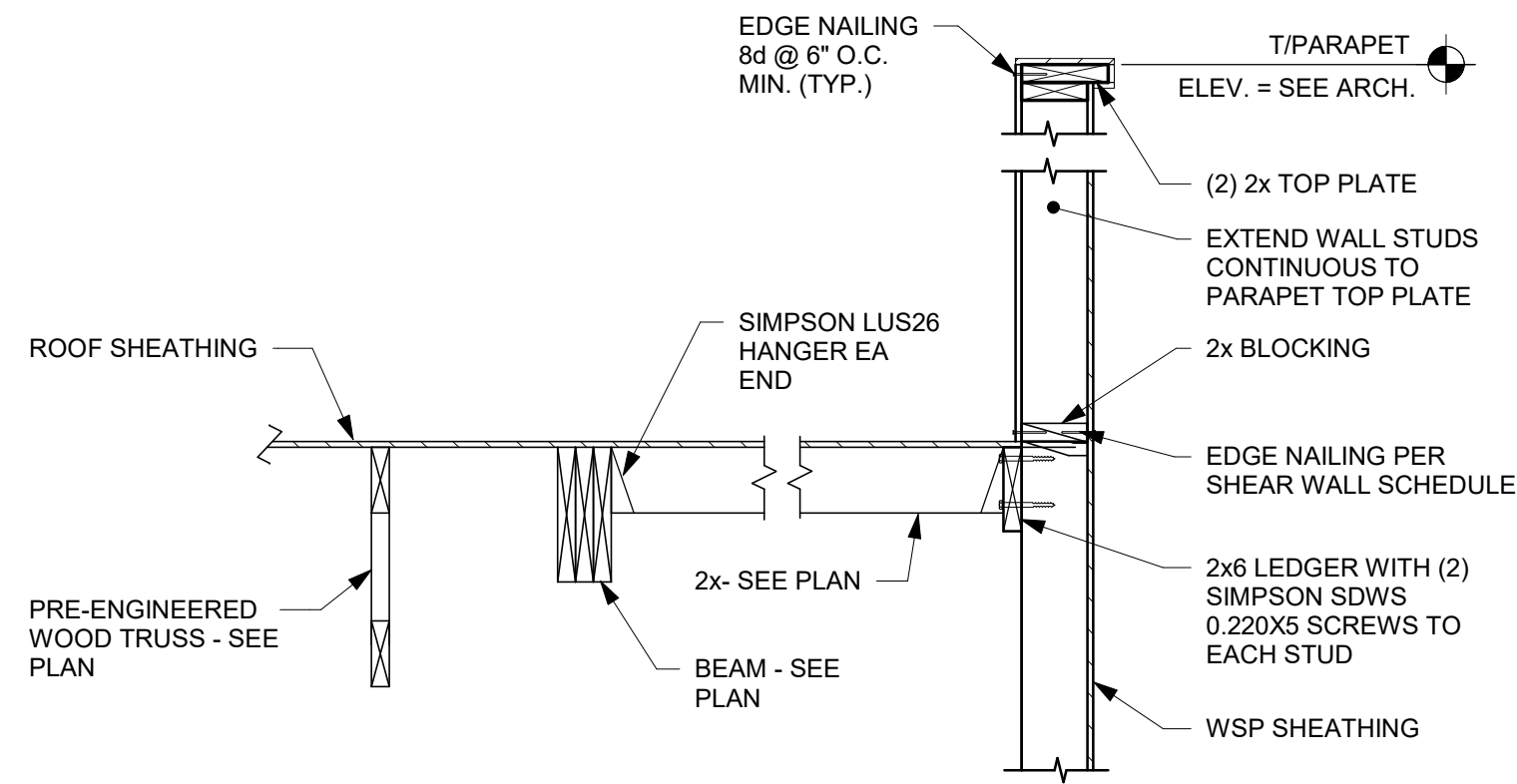


3 FOOTING AT EXTERIOR WALL AT BRICK  
Scale: 3/4" = 1'-0"

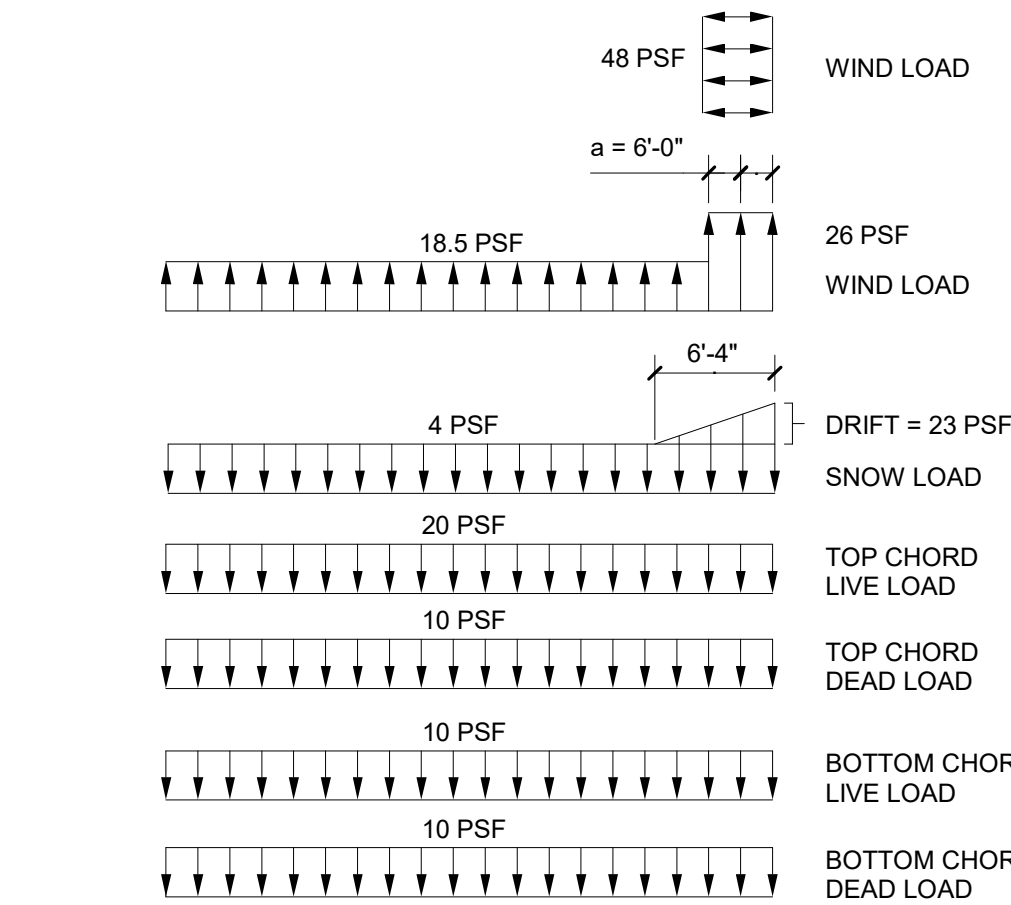


4 FOOTING AT STOREFRONT WINDOW  
Scale: 3/4" = 1'-0"



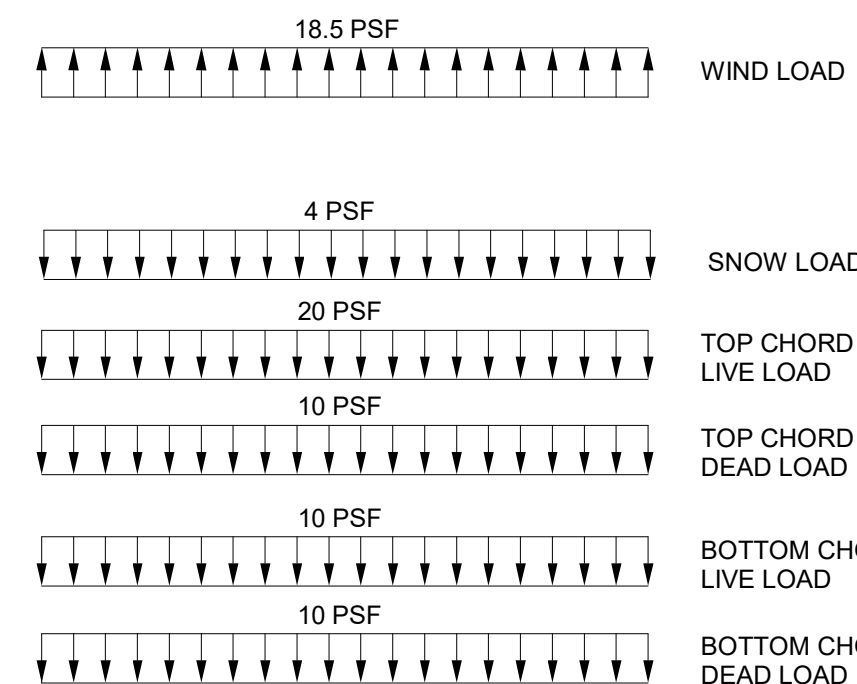


**9 SECTION**  
Scale: 3/4" = 1'-0"



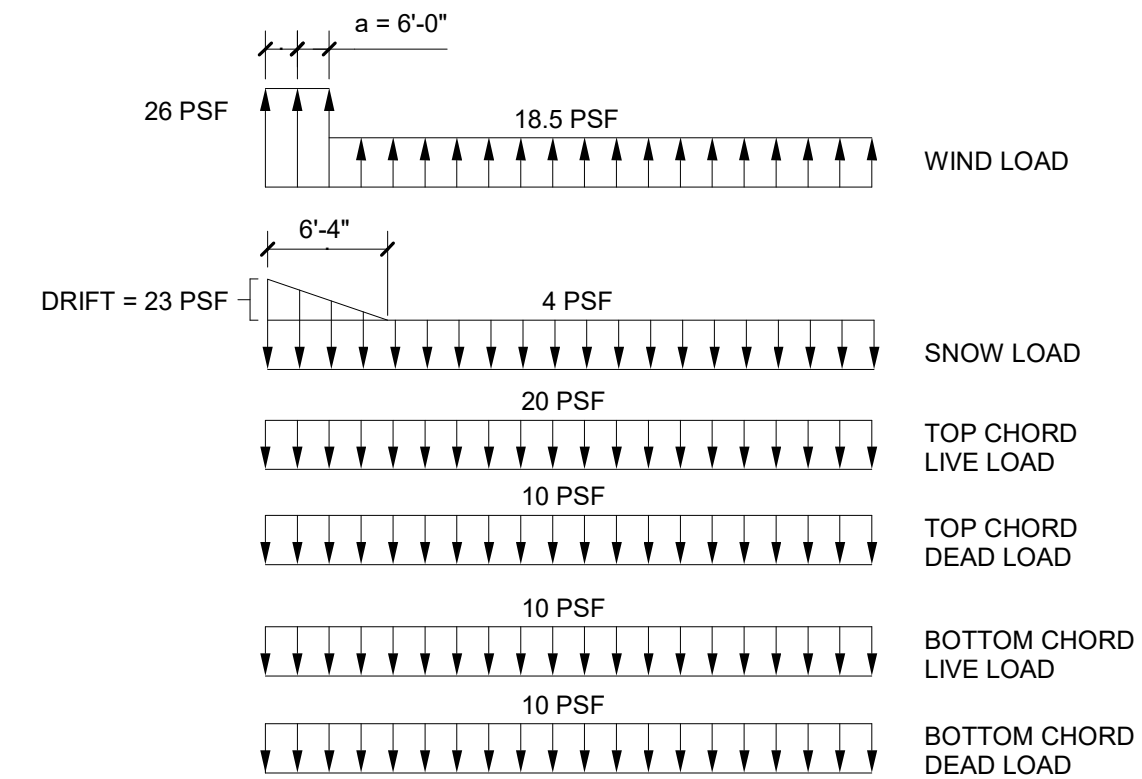
NOTE:  
APPLY ROOF TOP AND SUSPENDED POINT LOADS. WEIGHT AND LOCATION OF UNITS  
AS NOTED ARE SHOWN ON THIS SHEET AND ARE NOT INCLUDED IN THE ABOVE  
LOADING DIAGRAM. VERIFY THESE LOADS WITH MECHANICAL SUPPLIER BEFORE  
DESIGNING TRUSS.

**TRUSS LOADING DIAGRAM T-1**



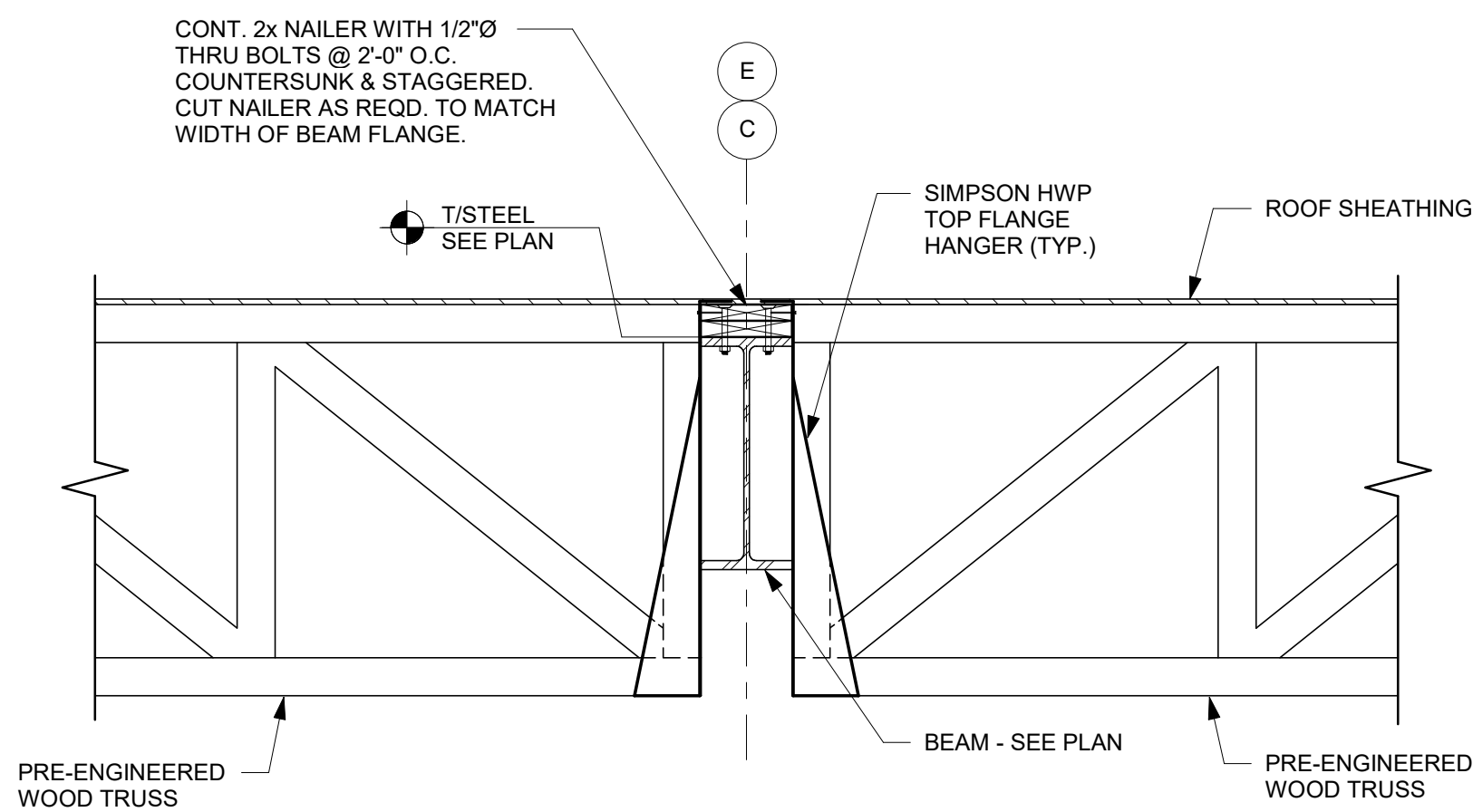
NOTE:  
APPLY ROOF TOP AND SUSPENDED POINT LOADS. WEIGHT AND LOCATION OF UNITS  
AS NOTED ARE SHOWN ON THIS SHEET AND ARE NOT INCLUDED IN THE ABOVE  
LOADING DIAGRAM. VERIFY THESE LOADS WITH MECHANICAL SUPPLIER BEFORE  
DESIGNING TRUSS.

**TRUSS LOADING DIAGRAM T-2**

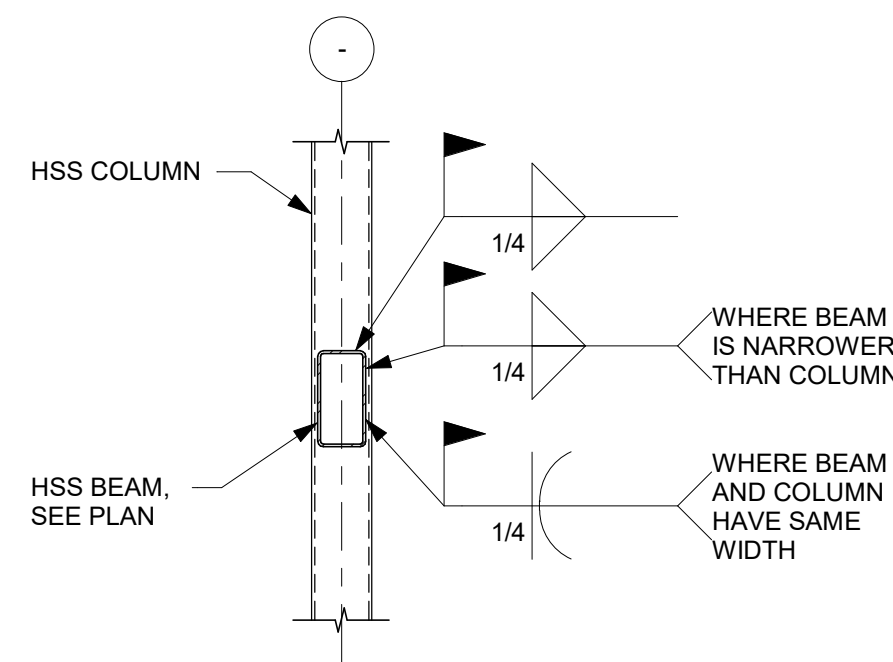


NOTE:  
APPLY ROOF TOP AND SUSPENDED POINT LOADS. WEIGHT AND LOCATION OF UNITS  
AS NOTED ARE SHOWN ON THIS SHEET AND ARE NOT INCLUDED IN THE ABOVE  
LOADING DIAGRAM. VERIFY THESE LOADS WITH MECHANICAL SUPPLIER BEFORE  
DESIGNING TRUSS.

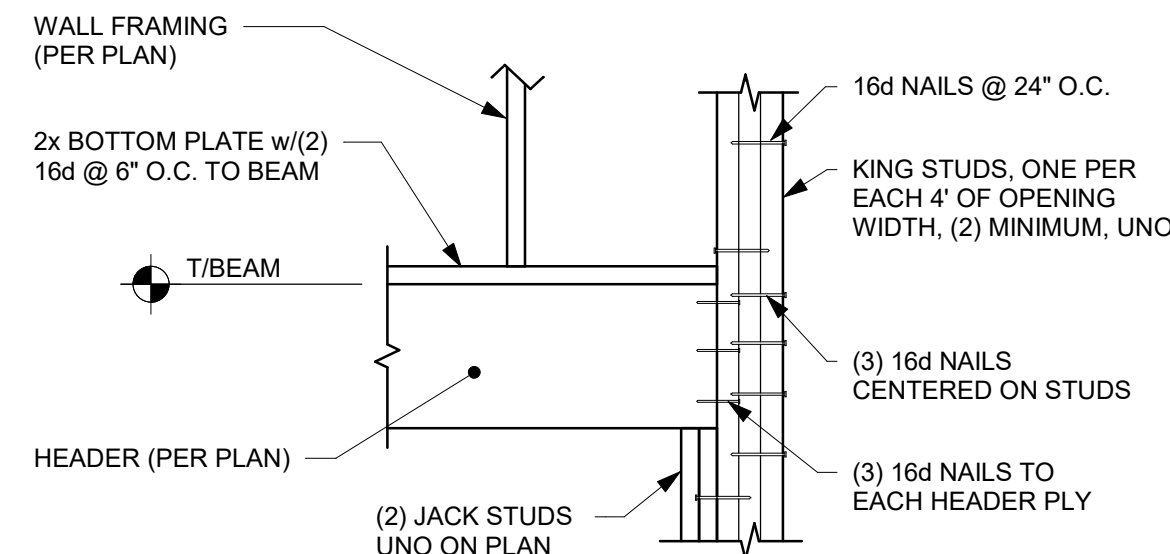
**TRUSS LOADING DIAGRAM T-3**



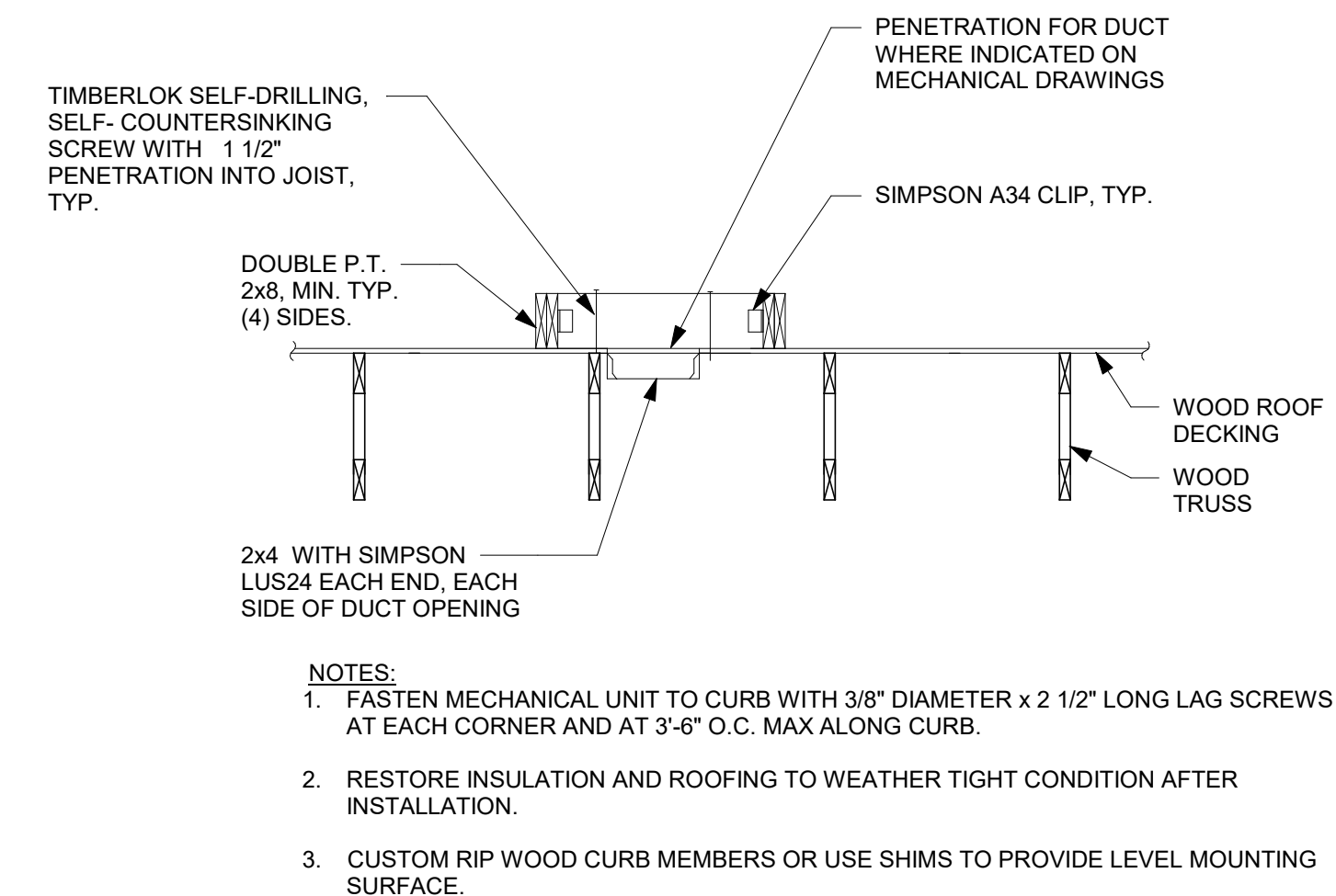
**5 SECTION**  
Scale: 3/4" = 1'-0"



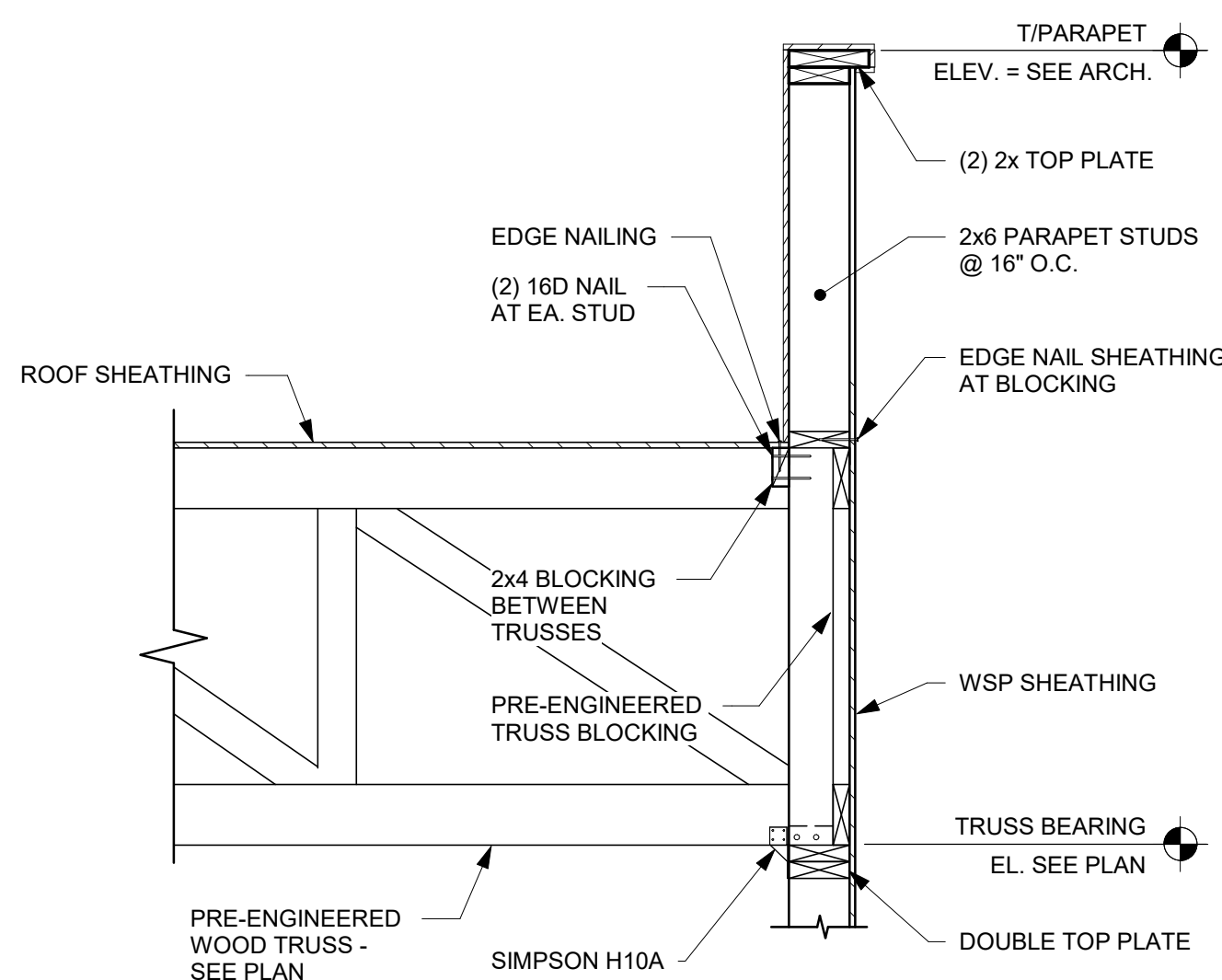
**6 TYPICAL HSS CONN. TO COLUMN**  
Scale: 3/4" = 1'-0"



**7 TYP. WOOD HEADER CONNECTION**  
Scale: 3/4" = 1'-0"

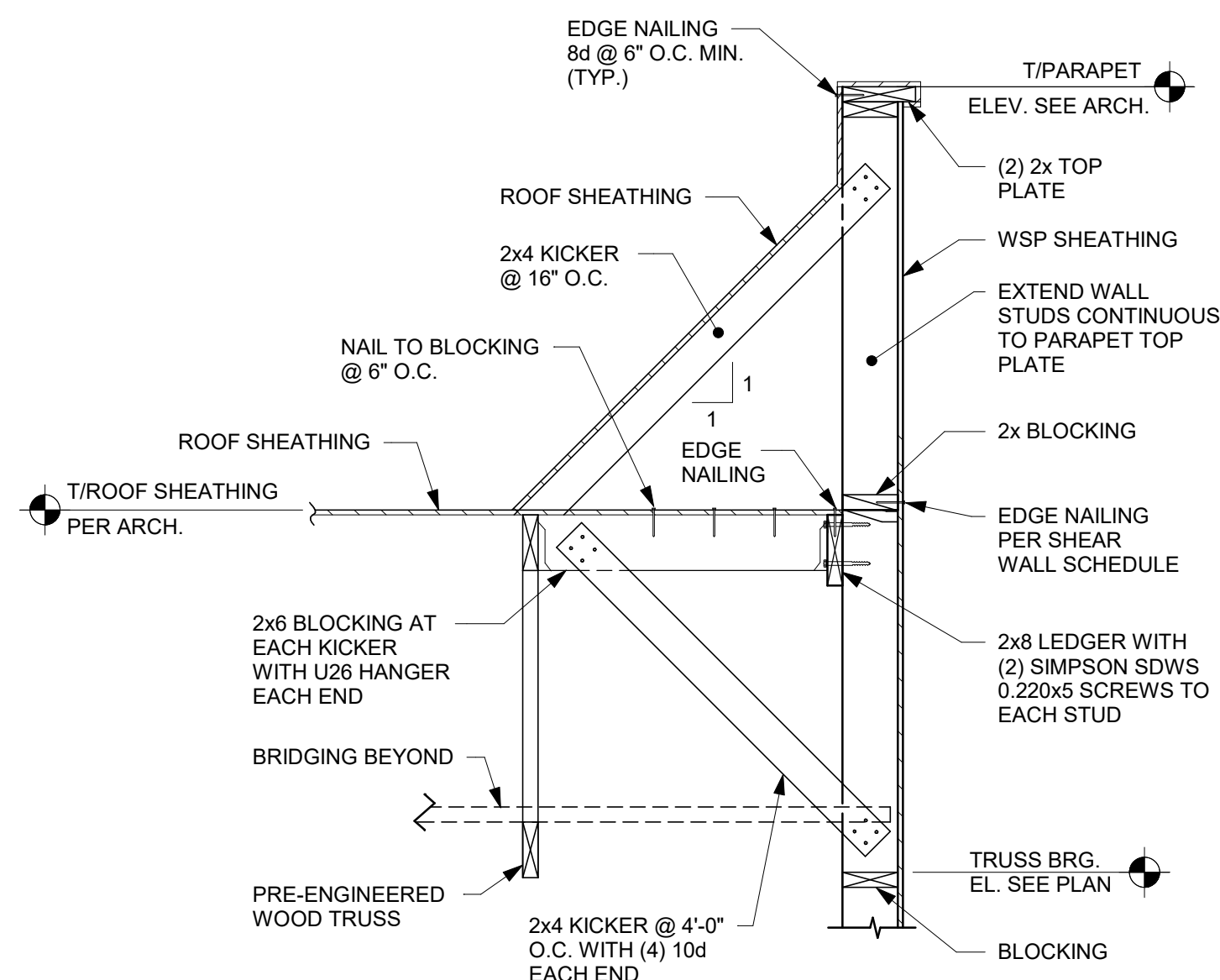


**8 SECTION AT TYP. ROOF OPENING**  
Scale: 1/2" = 1'-0"

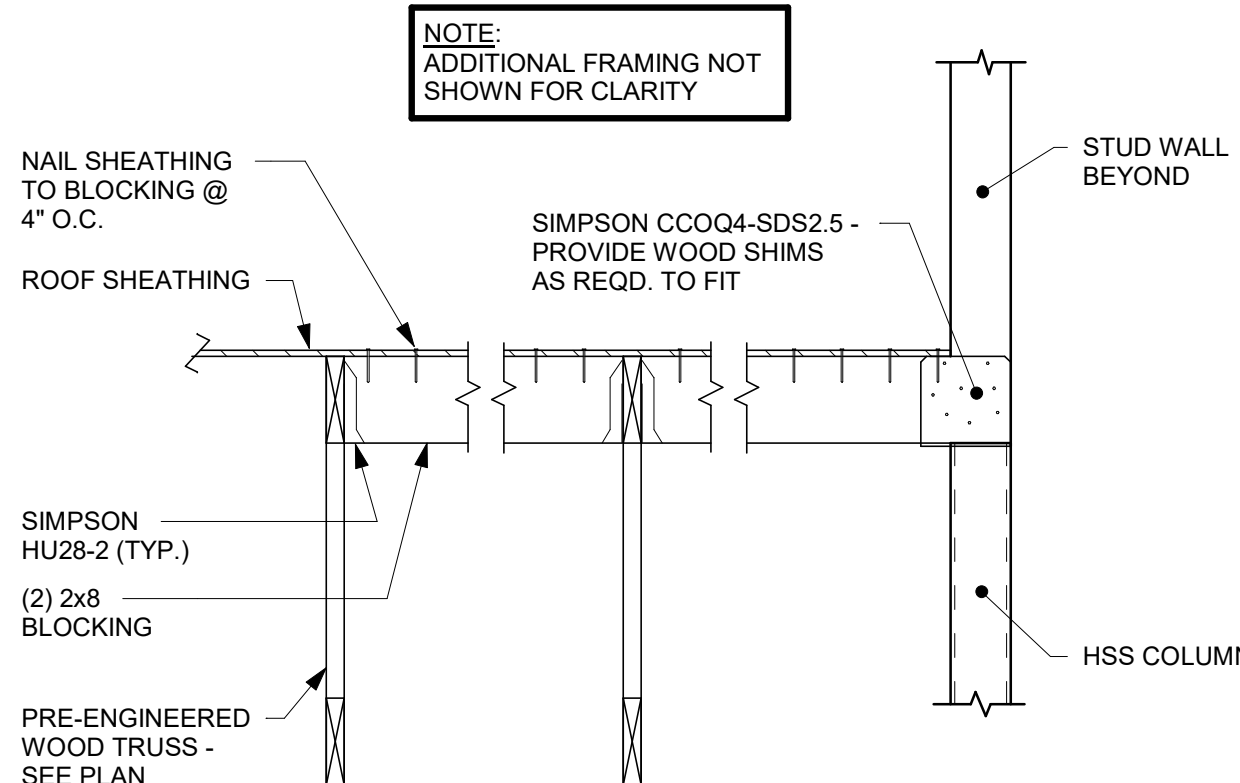


NOTE:  
SEE PLAN FOR DIRECTION OF TRUSS SLOPE

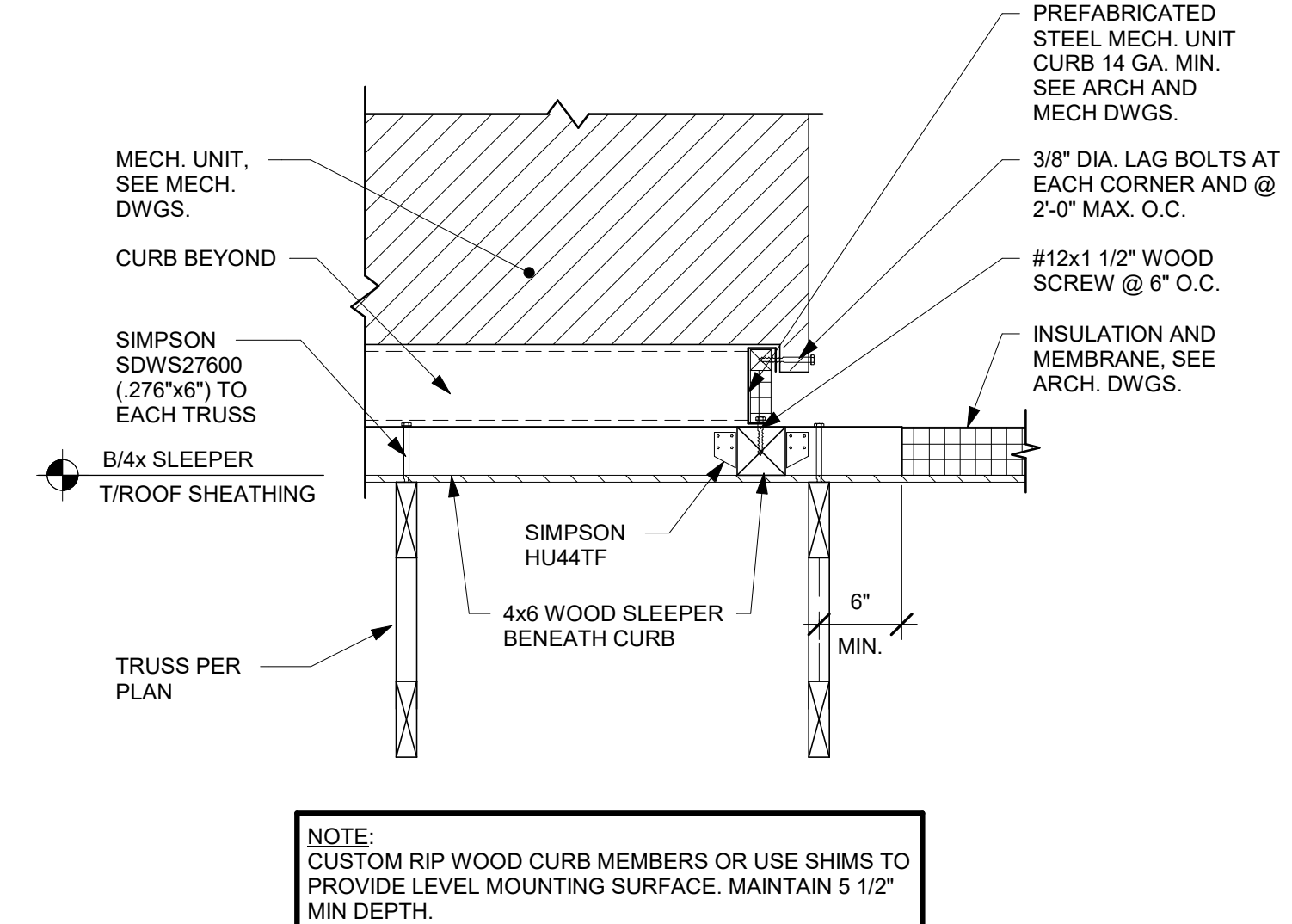
**1 TYP. TRUSS PERPENDICULAR TO EXT. WALL**  
Scale: 3/4" = 1'-0"



**2 TYP. JOIST PARALLEL TO EXT. WALL**  
Scale: 3/4" = 1'-0"



**3 SECTION AT STEEL COLUMN**  
Scale: 3/4" = 1'-0"



**4 MECHANICAL UNIT CONNECTION**  
Scale: 1" = 1'-0"

REV.	DATE	DESCRIPTION



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CANTON, GA 30114

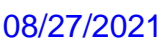
FRAMING SECTIONS AND  
DETAILS

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BID	
PROJECT MANAGER	DESIGNER
AK	AHG

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2020379.07

**S5003**





## FRAMING SECTIONS AND DETAILS

JOB NO.  
2020379.07

Scale:  $3/4" = 1'-0"$

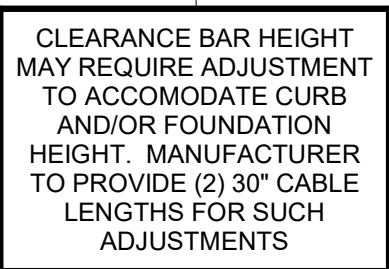








\* VERIFY MARKED DIMENSIONS WITH EQUIPMENT SUPPLIER



Scale:  $1/2" = 1'-0"$

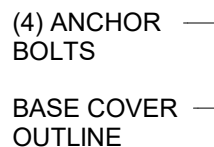


\*VERIFY MARKED DIMENSIONS WITH EQUIPMENT SUPPLIER

- NOTES:**



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



Scale:  $\frac{3}{4}" = 1'-0"$



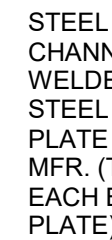
Scale: 1 1/2" = 1'-0"



Scale: 1 1/2" = 1'-



Scale: 1" = 1'-0"



Scale: 1" = 1'-0"

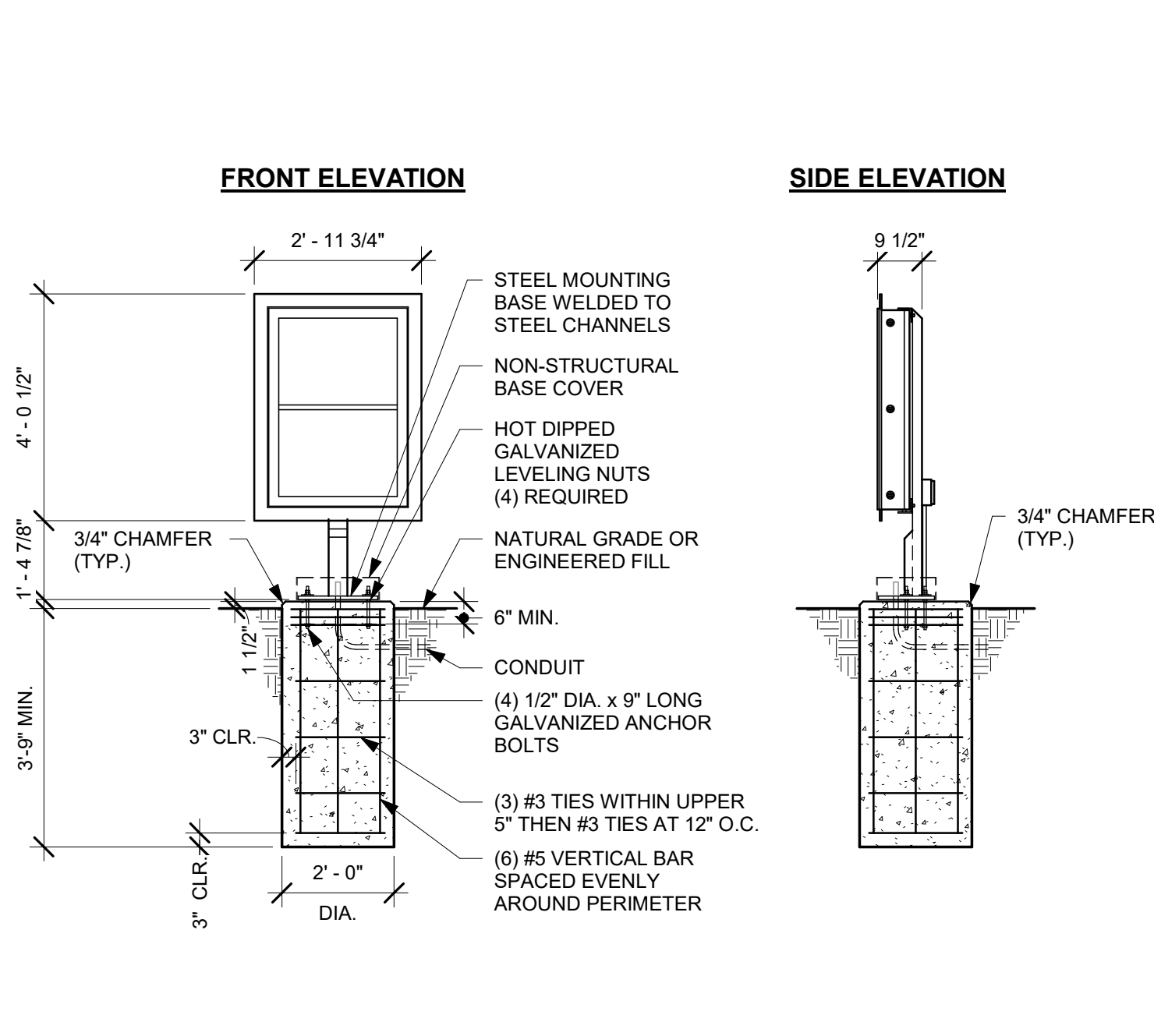


D

C

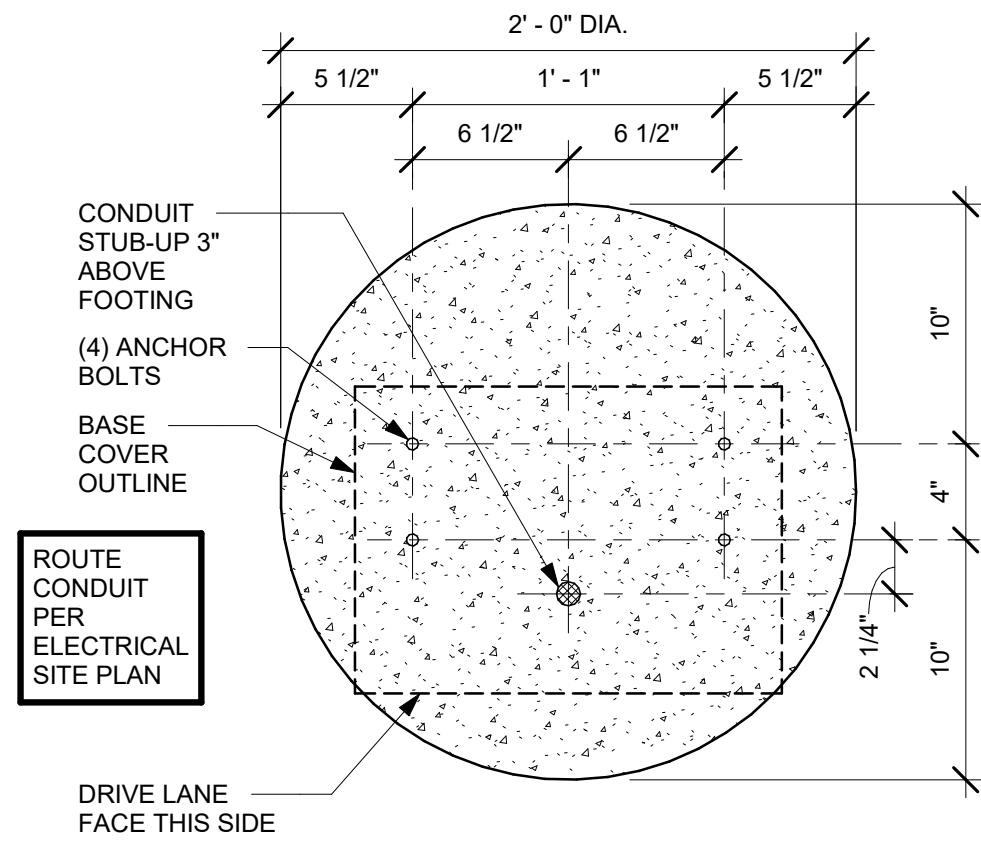
B

A



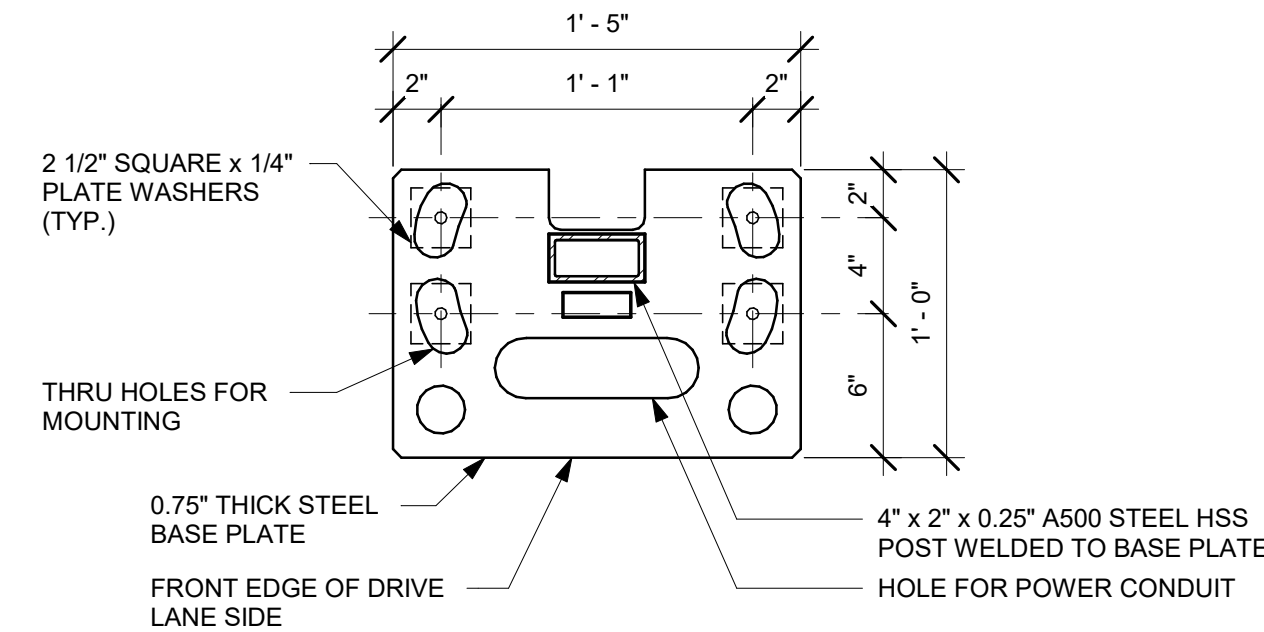
1 DTE PRE-MENU GROUND FOOTING

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



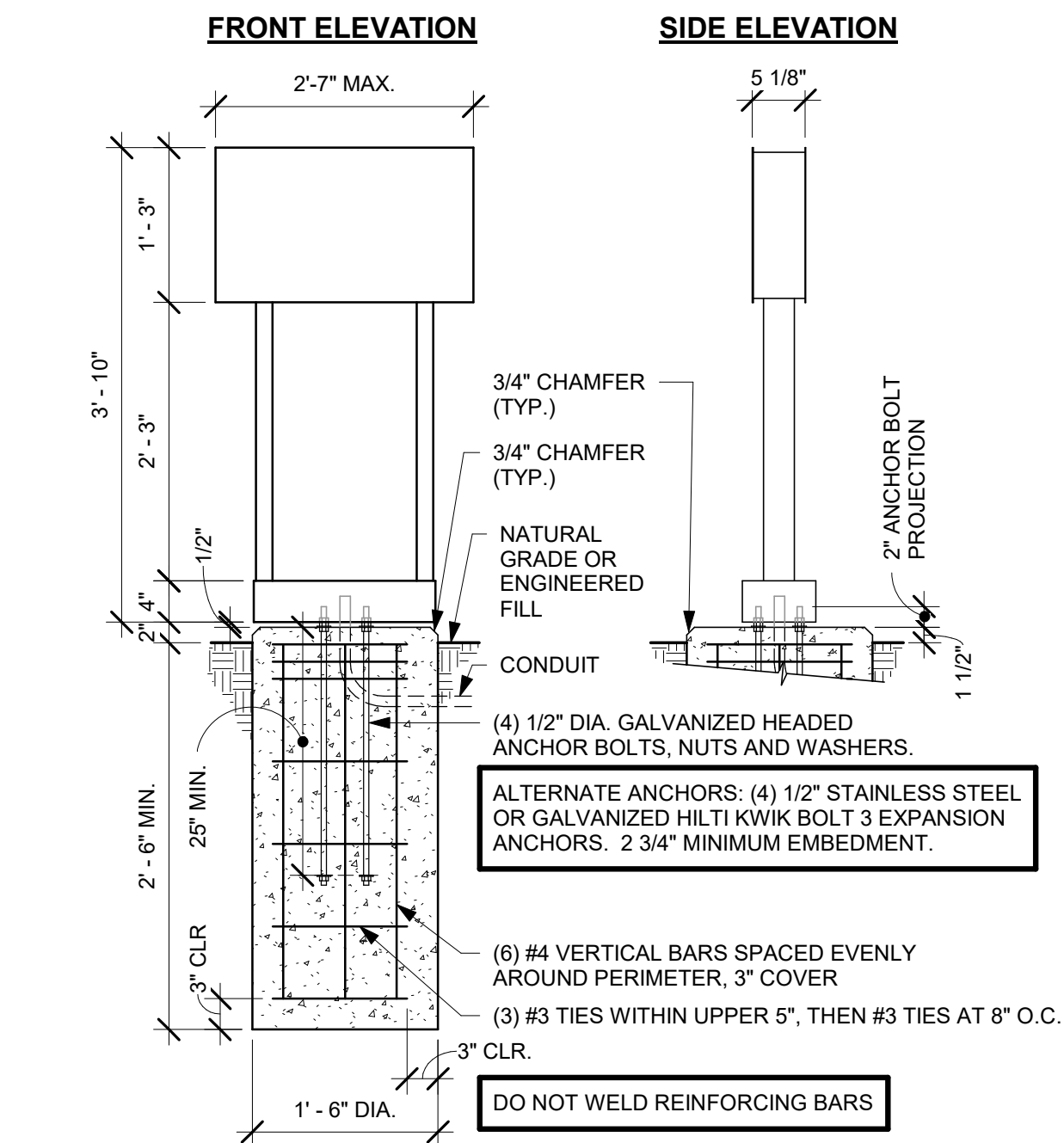
2 DTE PRE-MENU BOLT PATTERN (TOP VIEW)

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



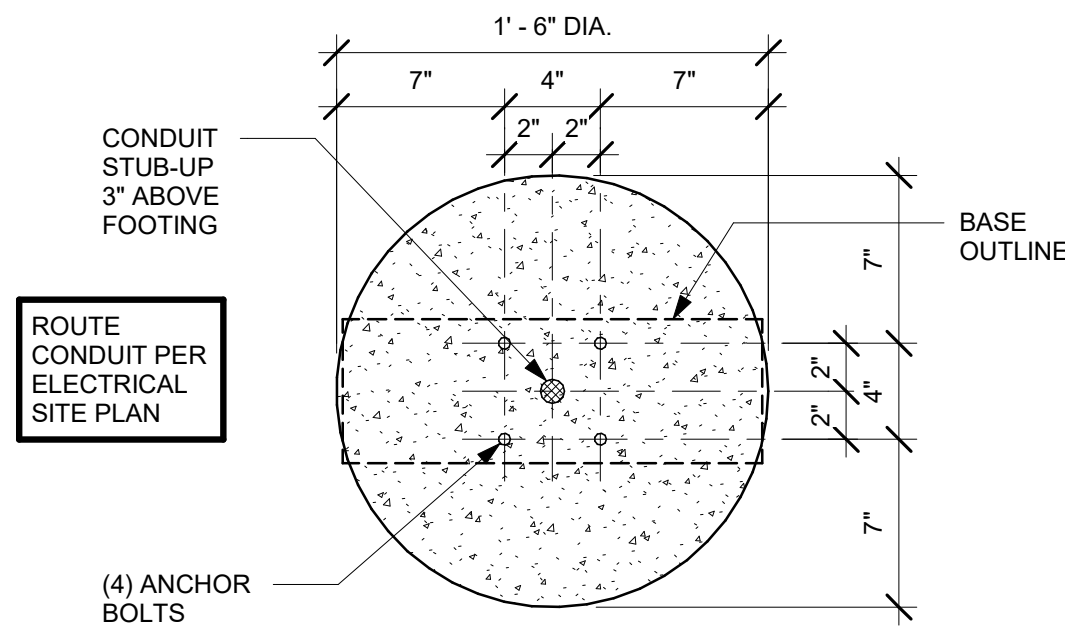
3 DTE PRE-MENU BASE PLATE

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



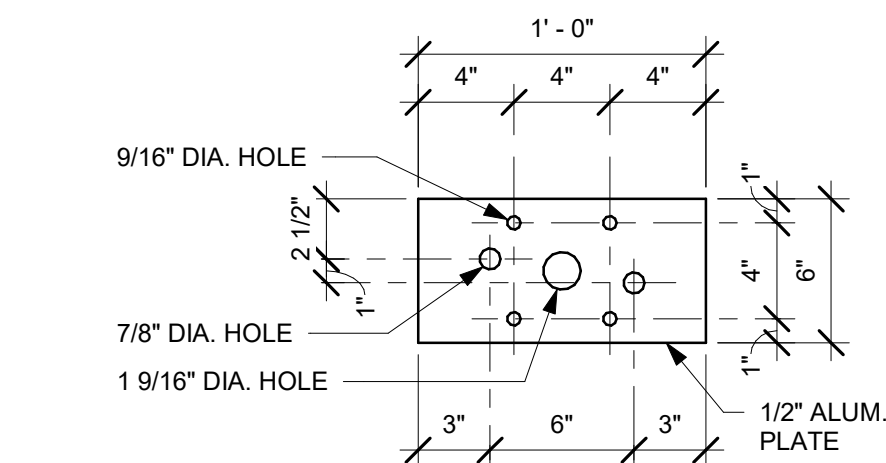
4 DTE DIRECTIONAL SIGNAGE GROUND FOOTING

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



5 DTE DIRECTIONAL SIGNAGE BOLT PATTERN

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



6 DTE DIRECTIONAL SIGNAGE BASE PLATE

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

- NOTES:**
- FOUNDATIONS AND ANCHOR BOLTS FOR DRIVE THRU EQUIPMENT AND SIGNAGE SHALL BE FURNISHED AND INSTALLED BY GC.
  - GC SHALL VERIFY ANCHOR BOLT SIZES WITH EQUIPMENT & SIGNAGE VENDOR
  - EQUIPMENT & SIGNAGE VENDOR SHALL SUPPLY ANCHOR BOLT TEMPLATES AND INSTALL EQUIPMENT & SIGNAGE ON THE COMPLETED FOUNDATIONS.

REV.	DATE	DESCRIPTION



MARIETTA HWY & I-575  
5068 MARIETTA HIGHWAY  
CANTON, GA 30114

**SITE FOUNDATIONS**

ISSUED FOR CONSTRUCTION	DATE
BID	
PROJECT MANAGER	DESIGNER
AK	AHG

JOB NO.  
**2020379.07**

**S5007**