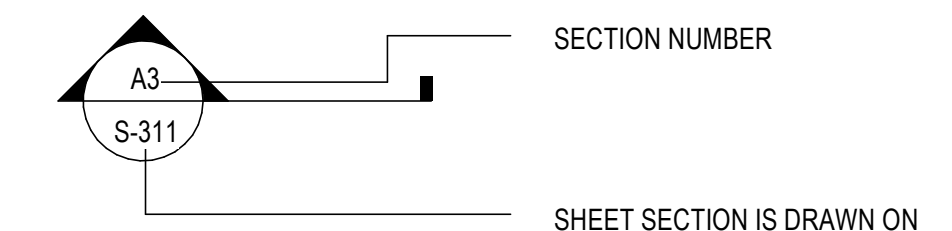
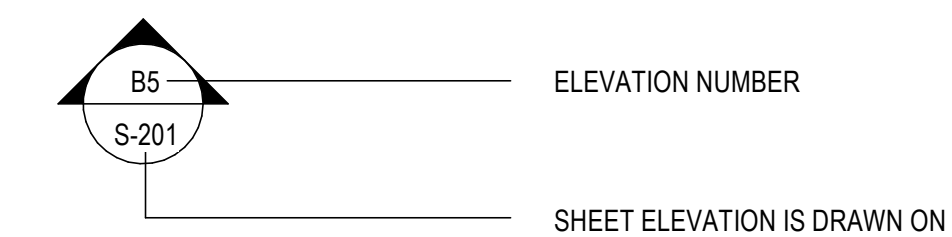


STRUCTURAL GRAPHIC SYMBOLS

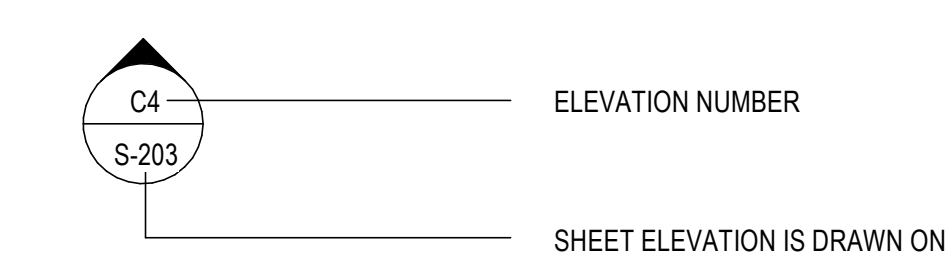
SECTION CROSS-REFERENCE SYMBOL



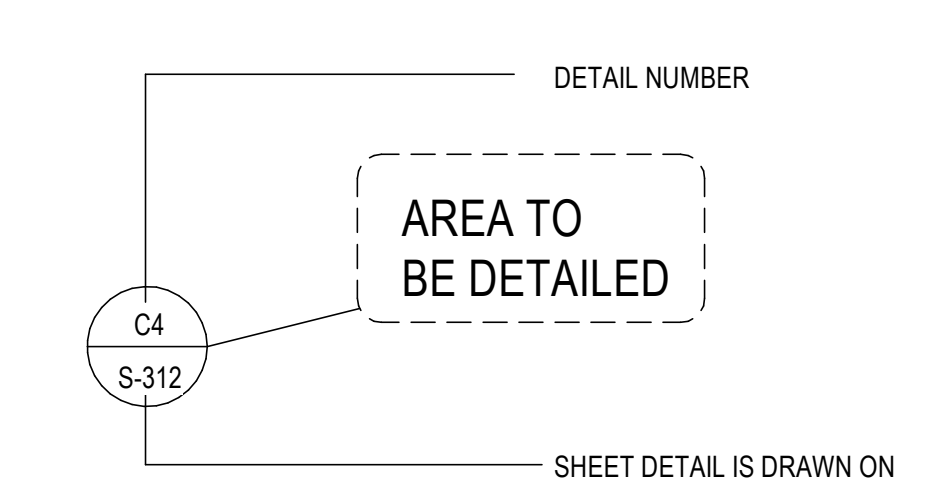
EXTERIOR ELEVATION CROSS-REFERENCE SYMBOL



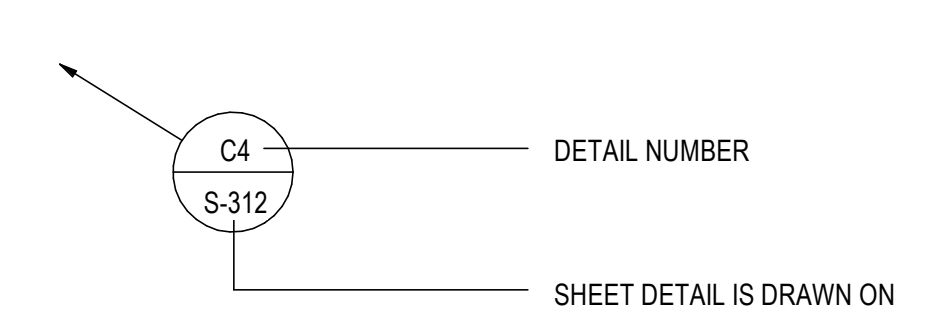
INTERIOR ELEVATION CROSS-REFERENCE SYMBOL



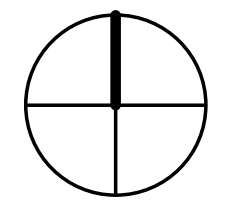
PLAN DETAIL CROSS-REFERENCE SYMBOL



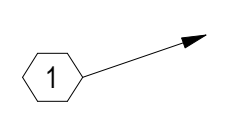
DETAIL CROSS-REFERENCE SYMBOL



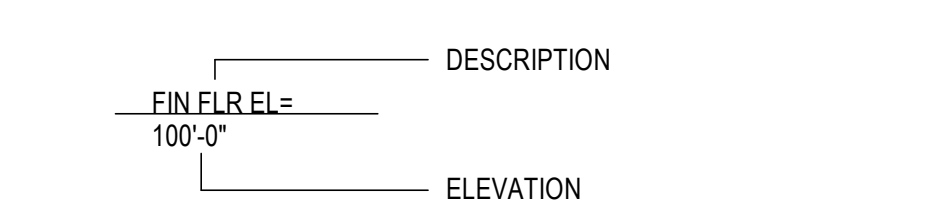
NORTH ARROW SYMBOL



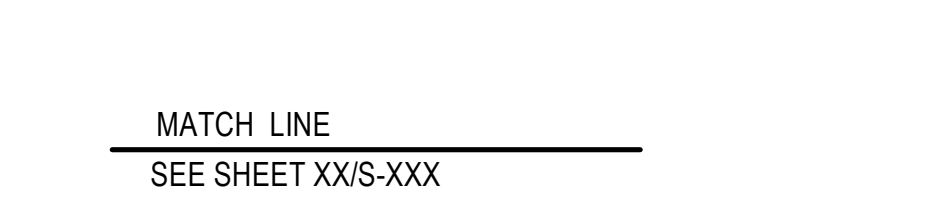
KEYNOTE SYMBOL



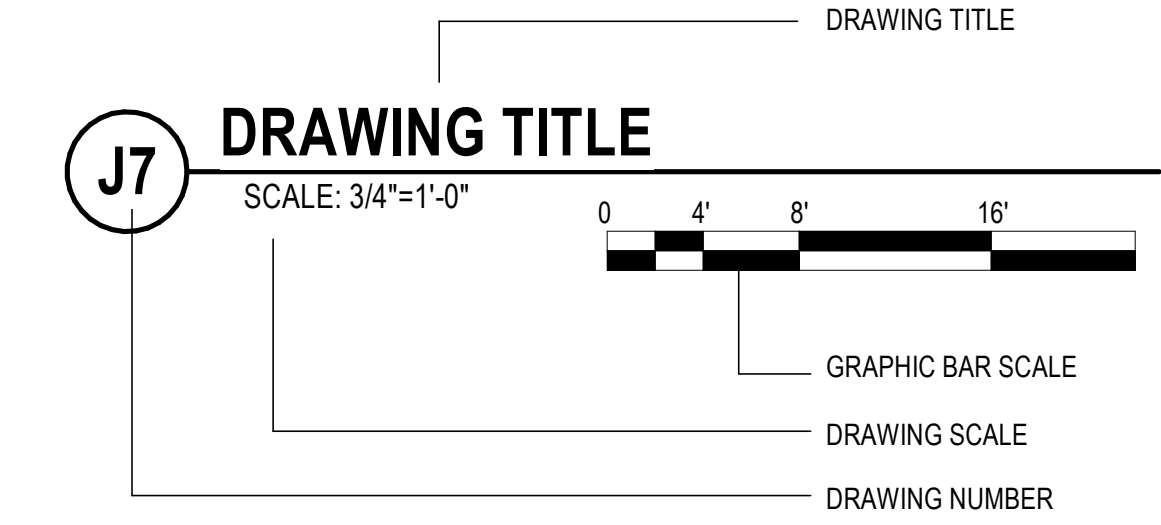
ELEVATION TARGET SYMBOL



MATCH LINE SYMBOL



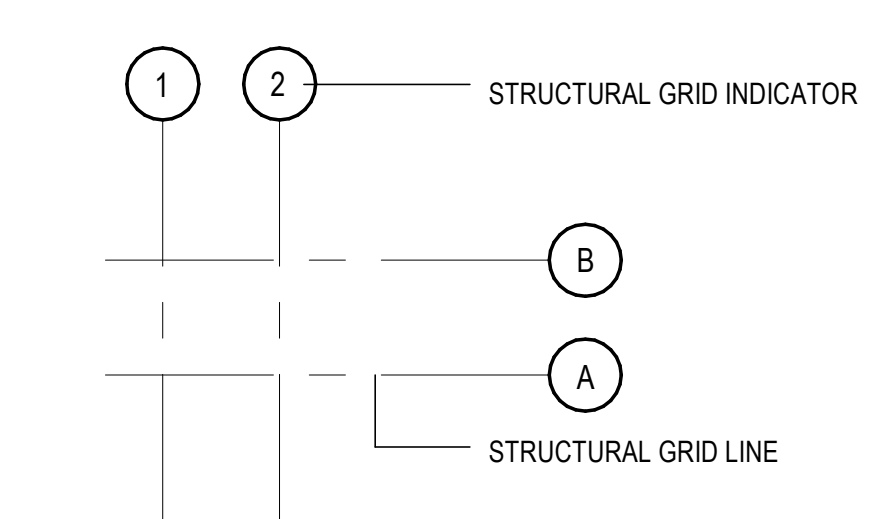
DRAWING TITLE SYMBOL



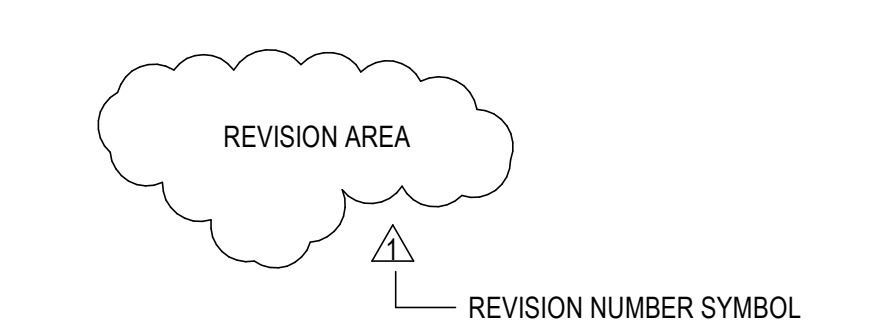
GRAPHIC BAR SCALE SYMBOL



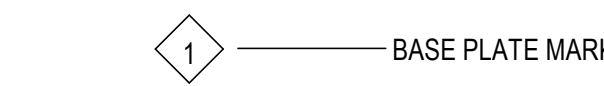
STRUCTURAL GRID REFERENCE SYMBOL



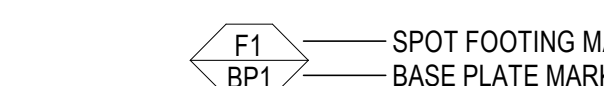
REVISION INDICATOR SYMBOL



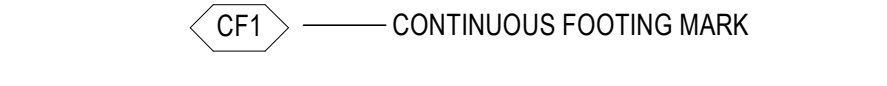
BASE PLATE MARK SYMBOL



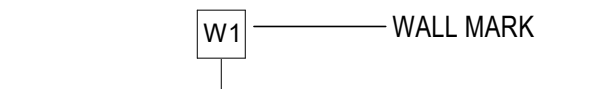
SPOT FOOTING MARK SYMBOL



CONTINUOUS FOOTING MARK SYMBOL



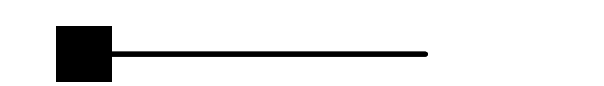
WALL MARK SYMBOL



MOMENT CONNECTION SYMBOL



SIDEPLATE MOMENT CONNECTION SYMBOL, SEE SIDEPLATE DRAWINGS



STRUCTURAL MATERIALS LEGEND

Table listing structural materials with corresponding hatching patterns: STEEL, BAR GRATING, COMPACTED EARTH, PLYWOOD (IN SECTION), CAST-IN-PLACE CONCRETE, CHECKERED PLATE, COMPACTED EARTH, RIGID INSULATION, LIGHTWEIGHT CONCRETE, MASONRY GROUT, CMU (IN SECTION), GLULUM, PRECAST CONCRETE, GRATING (IN SECTION), CMU (IN PLAN).

ABBREVIATIONS

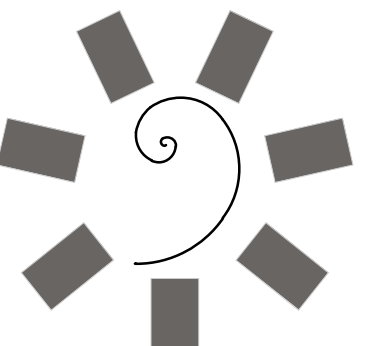
Table of abbreviations for architectural and engineering terms. Includes terms like ARCHITECT/ENGINEER, ANCHOR BOLT, ABANDON, ABRBRV, ASPHALTIC CONCRETE, etc.

ABBREVIATIONS

Table of abbreviations for architectural and engineering terms. Includes terms like ESTIMATE, ET CETERA, EACH WAY, EXAMPLE, EXCAVATE, etc.

ABBREVIATIONS

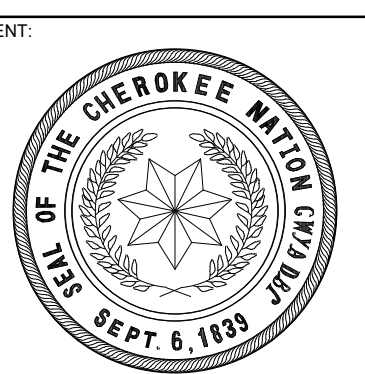
Table of abbreviations for architectural and engineering terms. Includes terms like PENETRATE, PERIMETER, PERPENDICULAR, PHASE, PILASTER, etc.



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CONSULTANT LOGO



College of Osteopathic Medicine at the Cherokee Nation, Tahlequah, Oklahoma. Includes logos for the Cherokee Nation and Osteopathic Medicine.

KEY PLAN

Table with columns for #, DATE, REVISIONS, DESCRIPTION.

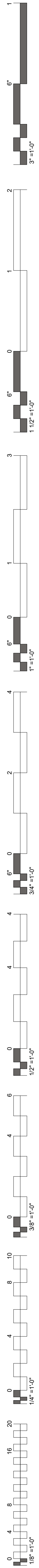
PROJECT PHASE: BID PACKAGE 03

Table with columns for DATE and JOB NUMBER, showing 03-20-19 and 17-13.

SHEET NUMBER: S0.01

ABBREVIATIONS AND LEGEND

NOTE: THIS STRUCTURAL PACKAGE IS FOR FOUNDATIONS ONLY. ANY CHANGES TO THE PROJECT, INCLUDING, BUT NOT LIMITED TO: LOADING REQUIREMENTS, GEOMETRY CHANGES IN PLAN OR ELEVATION, SPACE USAGE REVISIONS, OR VALUE ENGINEERING MAY AFFECT THE STRUCTURAL STEEL MEMBER REQUIREMENTS SHOWN IN THESE DRAWINGS.



SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

- SPECIAL INSPECTIONS / TESTING - "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM HAVING THE INSPECTIONS OF THE JURISDICTION BUILDING DEPARTMENT PER SECTION 110 OF THE IBC PERFORMED. BOTH THE JURISDICTION BUILDING DEPARTMENT INSPECTIONS AND "SPECIAL STRUCTURAL INSPECTION" SHALL BE PERFORMED.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE JURISDICTION BUILDING OFFICIAL AND SPECIAL INSPECTOR WHEN WORK IS READY FOR INSPECTION.
- REPORTING FOR SPECIAL INSPECTION - SPECIAL INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND DISTRIBUTED AT THE COMPLETION OF EACH TASK. IF A TASK IS TO TAKE LONGER THAN THREE (3) DAYS, PROVIDE REPORTS FOR EACH DAY. PROVIDE COPIES OF REPORTS TO CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. SPECIAL INSPECTOR TO KEEP A NON-COMPLIANCE LIST DOCUMENTING ITEMS INSPECTED NOT MEETING APPROVED CONSTRUCTION DOCUMENTS AND WHEN / HOW RESOLVED.
- SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.
- SPECIAL INSPECTION OF SHOP FABRICATED MEMBERS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH SECTION 1704.2, UNLESS FABRICATOR IS APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTION.
- IN ACCORDANCE WITH IBC CHAPTER 17, THE OWNER OR THE OWNER'S AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS, DURING CONSTRUCTION FOR THE TYPES OF WORK LISTED BELOW THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL IDENTIFIED IN IBC SECTION 110
- DEFINITIONS:
 * **SPECIAL INSPECTION:** INSPECTION AS HEREIN REQUIRED BY A QUALIFIED SPECIAL INSPECTOR COMPETENT WITH THE MATERIALS, INSTALLATION, FABRICATION, ERECTION OR PLACEMENT OF COMPONENTS AND CONNECTIONS REQUIRING SPECIAL EXPERTISE TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS (SEE SECTION 1704)
 * **CONTINUOUS SPECIAL INSPECTION:** 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.
 * **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.

ITEM	DESCRIPTION OF REQUIREMENTS	REQUIRED (YES/NO)
SPECIAL INSPECTION OF STRUCTURAL STEEL	TO BE PERFORMED IN ACCORDANCE WITH CHAPTER N OF AISC 360-10	YES
SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.2	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.3	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR WOOD CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.5	NO
SPECIAL INSPECTIONS AND VERIFICATIONS OF SOILS	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.6, THE GEOTECHNICAL REPORT LISTED IN THE GENERAL FOUNDATION NOTES, AND ANY OTHER REQUIREMENTS LISTED IN THE GENERAL FOUNDATION NOTES	YES

GENERAL STRUCTURAL NOTES

TEMPORARY SHORING OF EXCAVATIONS:

THE TEMPORARY SHORING OF EXCAVATIONS SHALL BE SOIL NAIL/SHOTCRETE SYSTEM, SHEET PILING, OR APPROVED EQUAL.

THE SHORING SHALL NOT BE DRIVEN OR INSTALLED IN ANY MANNER THAT COULD POTENTIALLY DAMAGE EXISTING STRUCTURES OR CAUSE HUMAN DISCOMFORT.

THE CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO INSTALLING SHORING. PROVISIONS SHALL BE MADE TO AVOID EXISTING UTILITIES.

THE SHORING AS SHOWN ON THE PLANS IS FOR GRAPHICAL REPRESENTATION ONLY. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND CONFIGURATION OF THE SHORING.

ANY SHORING THAT REMAINS IN PLACE SHALL NOT HAMPER FUTURE CONSTRUCTION.

THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND INSTALLING THE TEMPORARY SHORING. STAMPED SHOP DRAWINGS, INCLUDING CALCULATIONS, SHALL BE SUBMITTED FOR APPROVAL PRIOR TO ANY SHORING INSTALLATION.

THE ENGINEER STAMPING THE SHOP DRAWINGS SHALL BE REGISTERED IN THE STATE THAT THE PROJECT IS LOCATED.

DEMOLITION:

NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL PLANS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE STANDARDS SET FORTH BY OSHA.

PRIOR TO STARTING DEMOLITION WORK, THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL SURROUNDING IMPROVEMENTS TO REMAIN, TO DETERMINE AND RECORD THEIR EXISTING PHYSICAL CONDITION.

SHORING AND BRACING: THE CONTRACTOR SHALL FURNISH ALL SHORING, BRACING, AND INCIDENTALS NECESSARY AND REQUIRED FOR THE PROPER SUPPORT AND SAFETY OF ALL MEMBERS AFFECTED BY DEMOLITION WORK.

WHERE DEMOLITION WOULD AFFECT THE STRUCTURAL INTEGRITY OF THE REMAINING STRUCTURE, THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY FIELD CONDITION WHICH WOULD PRESENT A HAZARDOUS CONDITION TO THE STRUCTURE BEFORE PROCEEDING.

PROTECTION: PROPER PRECAUTIONS SHALL BE TAKEN AT ALL TIMES TO PROTECT VEHICULAR AND PEDESTRIAN TRAFFIC FROM ANY DAMAGE OR INJURY WHICH MAY BE CAUSED, EITHER DIRECTLY OR INDIRECTLY, BY THE WORK INCLUDED ON THESE DRAWINGS. SUCH PRECAUTIONS SHALL INCLUDE THE ERECTION AND MAINTENANCE OF FENCES, BARRICADES, RAILINGS, GUARDS, SIGNS, COVERINGS, LIGHTS, AND OTHER PRECAUTIONS AS MAY BE REQUIRED. IF AT ANY TIME, IN THE OPINION OF THE OWNER OR THE OWNER'S REPRESENTATIVE, PROPER PRECAUTIONS ARE NOT BEING TAKEN TO SECURE THIS PROTECTION, THE CONTRACTOR SHALL AT NO ADDITIONAL COST TO THE OWNER, INSTALL AND MAINTAIN SUCH ADDITIONAL PROTECTION AS MAY BE DIRECTED BY THE OWNER.

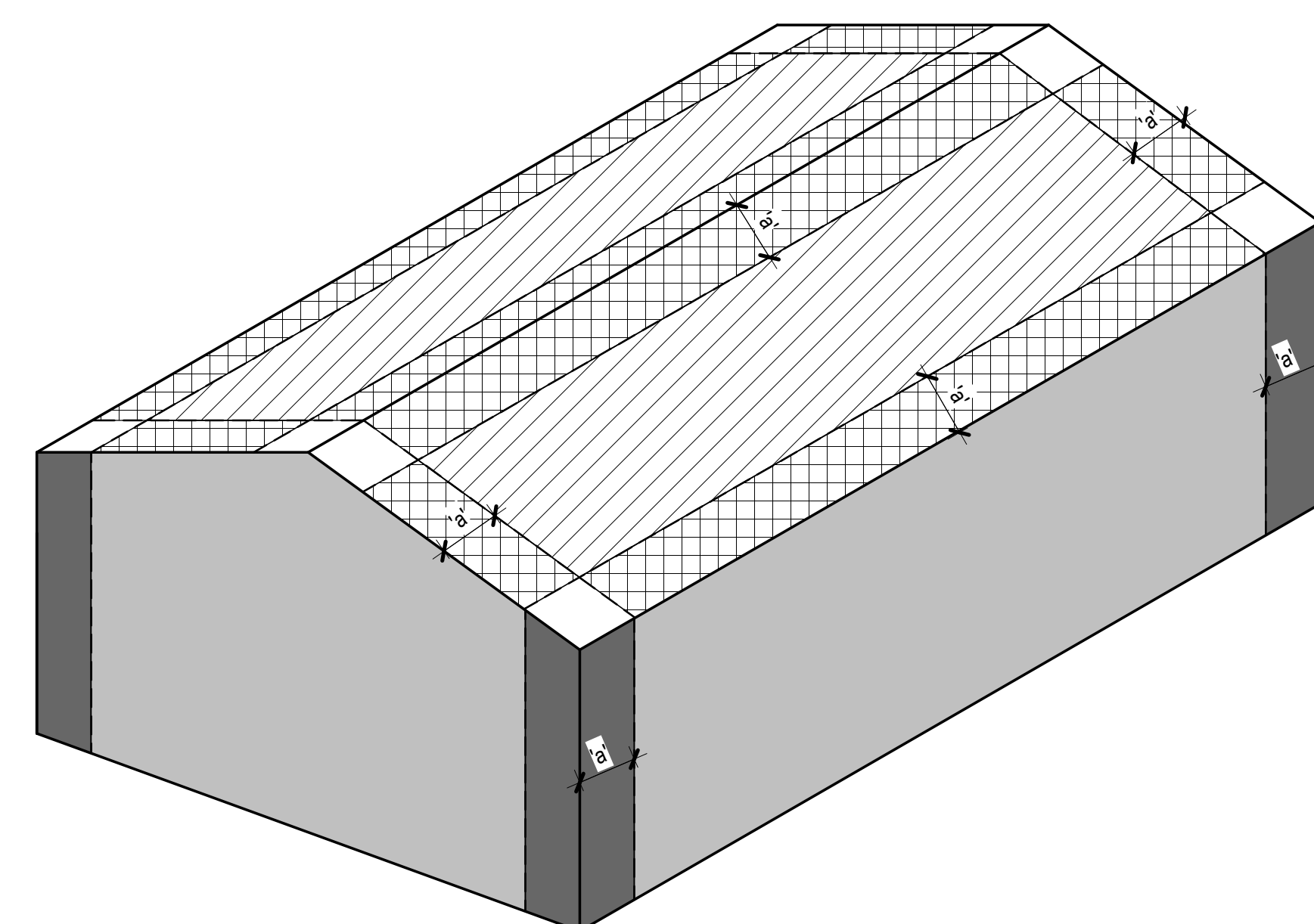
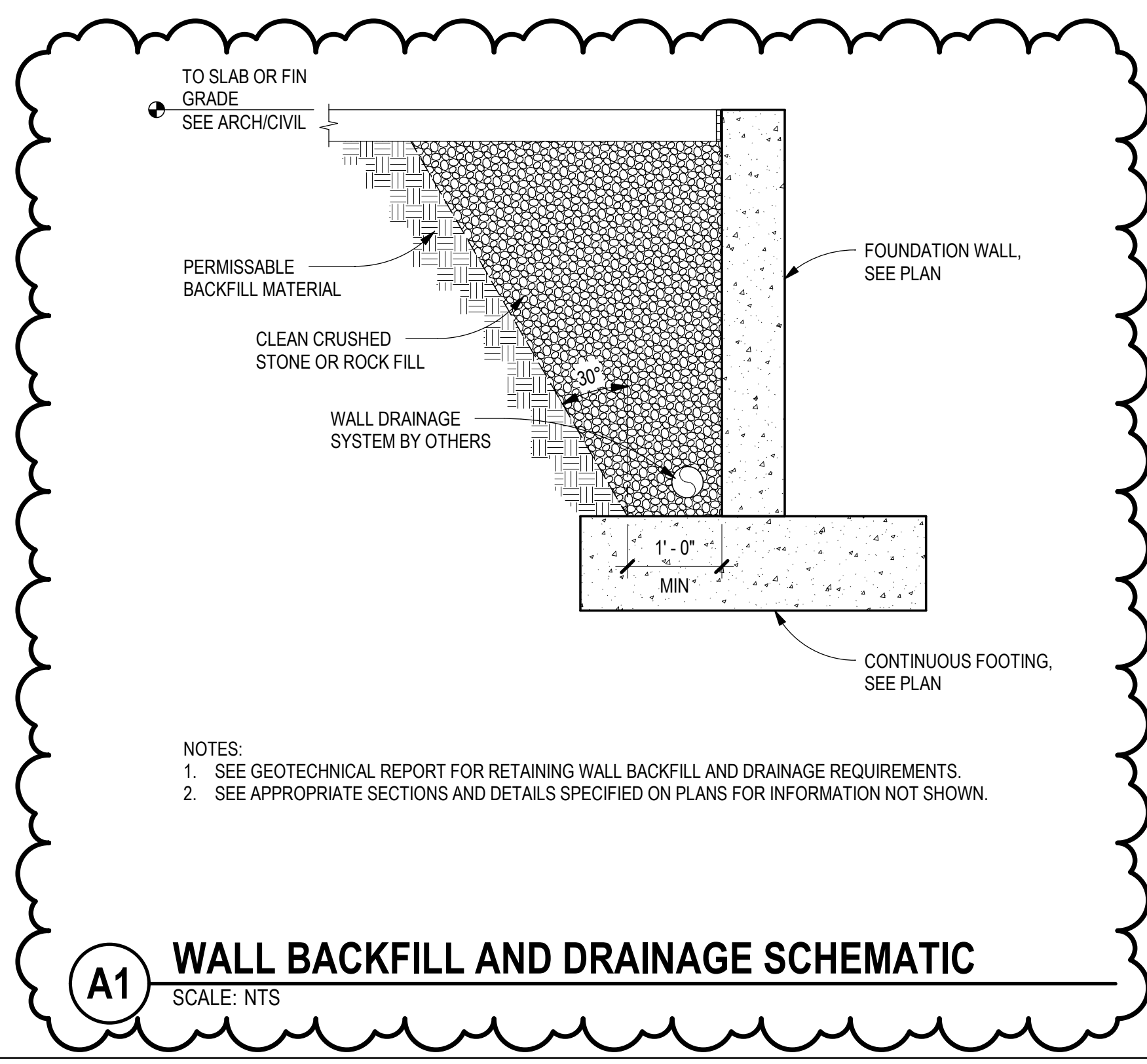
POLLUTION CONTROLS: USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

REMOVE DEBRIS FROM THE SITE AS IT ACCUMULATES. UNLESS OTHERWISE NOTED, DO NOT STORE, SELL, BURN, OR OTHERWISE DISPOSE OF DEBRIS ON THE SITE. REMOVAL OF DEBRIS INCLUDES CLEARING OF ALL LOWER LEVELS AND SIMILAR BELOW GRADE STRUCTURES. REMOVE ALL DEBRIS IN SUCH A MANNER AS TO PREVENT SPILLAGE. KEEP ALL PAVEMENTS AND AREAS ADJACENT TO THE SITE CLEAN AND FREE FROM MUD, DIRT, AND DEBRIS AT ALL TIMES.

USE OF EXPLOSIVES: THE CONTRACTOR IS ABSOLUTELY PROHIBITED FROM USING DYNAMITE OR ANY OTHER EXPLOSIVES IN ANY OF THE WORK OR OPERATIONS SHOWN ON THESE PLANS AT THE PROJECT SITE.

DEMOLITION SHALL BE PERFORMED IN A MANNER THAT WILL NOT DAMAGE ADJOINING SURFACES INDICATED TO REMAIN. SURFACES SHALL BE PATCHED, IF REQUIRED, TO PROVIDE A SUITABLE SUBSTRATE FOR NEW CONSTRUCTION.

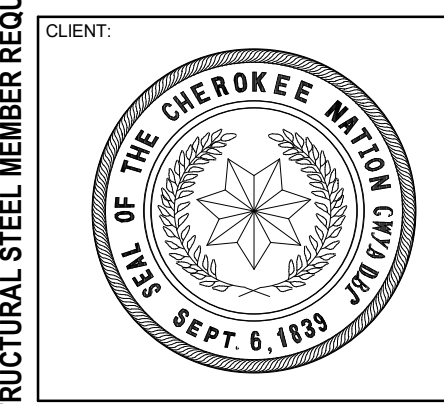
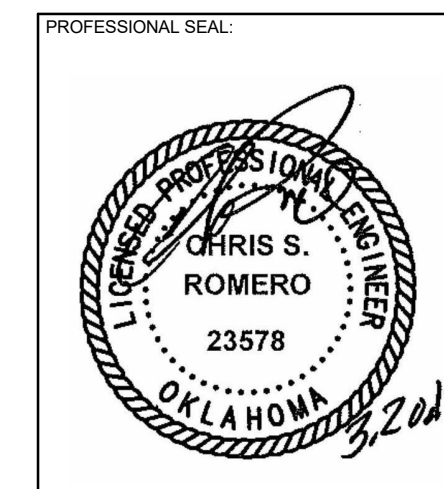
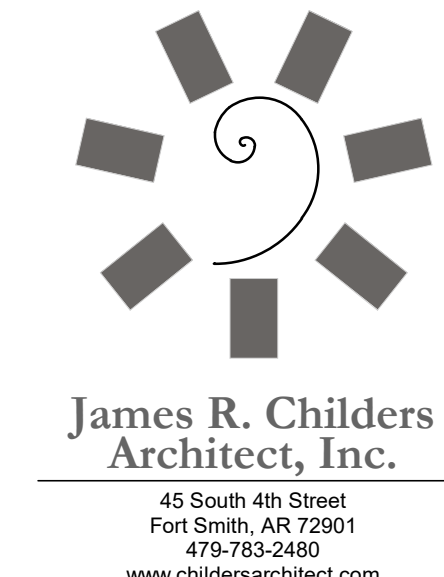
SPECIFIC DEMOLITION NOTES ARE NOT TO BE CONSIDERED ALL INCLUSIVE OR COMPLETE IN THEMSELVES. CONTRACTOR SHALL PROVIDE ALL DEMOLITION INCIDENTAL TO OR REQUIRED FOR CONSTRUCTION WHETHER SPECIFICALLY NOTED OR NOT.



COMPONENTS AND CLADDING WIND PRESSURES (PSF) CALCULATED AT MEAN ROOF HEIGHT = 68 FEET

a = 9 FT	EFFECTIVE WIND AREA (FT ²)		
ZONE	10	100	500
1	-58.1	-48.2	-40.7
2	-91.3	-75.8	-63.9
1 AND 2 OVERHANGS	-91.3	-91.3	-91.3
3	-124.4	-103.2	-87.1
3 OVERHANGS	-143.0	-134.4	-128.7
4	39.7	35.0	31.8
4 PARAPETS	131.0	115.3	104.8
5	72.8	55.6	43.7
5 PARAPETS	164.1	125.2	98.5

- ZONE 1
- ZONE 2
- ZONE 3
- ZONE 4
- ZONE 5



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KEY PLAN

PROJECT PHASE:
 BID PACKAGE 03

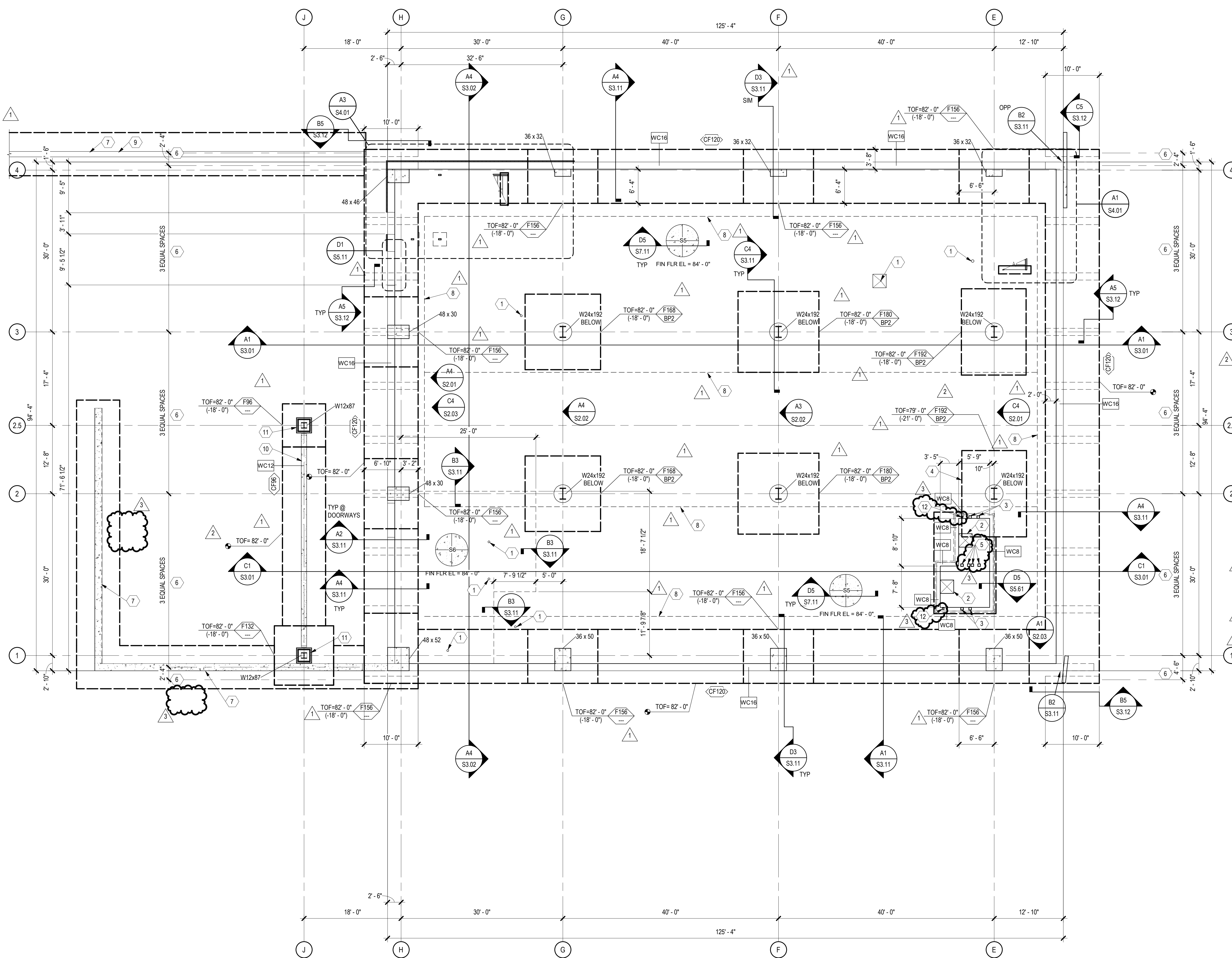
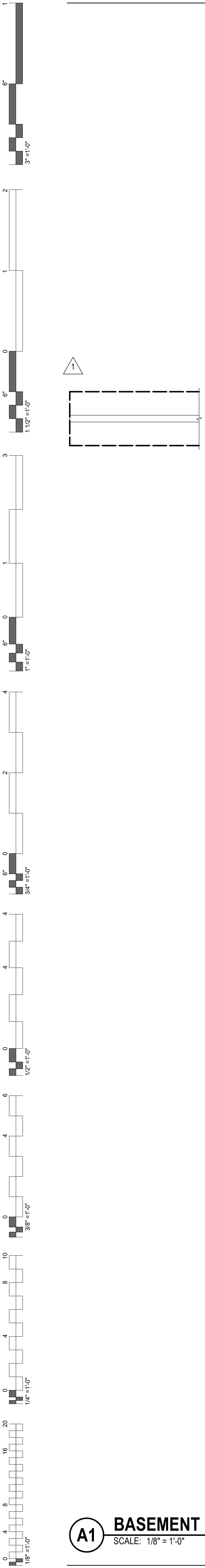
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1	4/28/19	BID PACKAGE 03 ABL 01

DATE:	03-20-19	JOB NUMBER:	17-13
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SHEET NUMBER:
S0.03

GENERAL STRUCTURAL NOTES AND SPECIAL INSPECTION TABLES

NOTE: THIS STRUCTURAL PACKAGE IS FOR FOUNDATIONS ONLY. ANY CHANGES TO THE PROJECT, INCLUDING, BUT NOT LIMITED TO: LOADING REQUIREMENTS, GEOMETRY CHANGES IN PLAN OR ELEVATION, SPACE USAGE REVISIONS, OR VALUE ENGINEERING MAY AFFECT THE STRUCTURAL STEEL MEMBER REQUIREMENTS SHOWN IN THESE DRAWINGS.



GENERAL SHEET NOTES

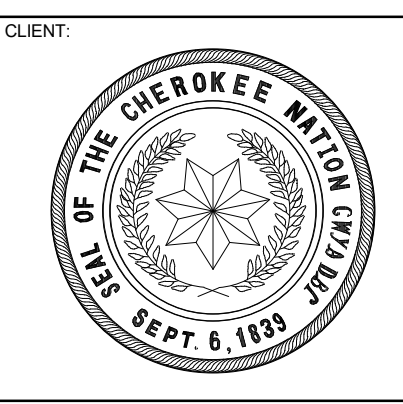
- SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
- REFERENCE FINISH FLOOR ELEVATION 100'-0" = MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
- NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE CONCRETE WALLS AND MOMENT FRAMES. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICES.
- DIMENSIONS ARE TO THE FACE OF CONCRETE UNLESS NOTED OTHERWISE.
- PROVIDE SLAB JOINTS AT 10'-0" ON CENTER MAXIMUM. THE AREA OF THE CONTROL JOINT SHALL NOT EXCEED A 2:1 RATIO. CONTROL JOINTS SHALL BE LOCATED AT COLUMN LINES WHERE THE LAYOUT PERMITS. AT RE-ENTRANT CORNERS THAT DO NOT HAVE CONTROL JOINTS, PROVIDE 2-#4 x 3'-0" DIAGONAL TO THE RE-ENTRANT CORNER.
- STRUCTURAL COLD FORMED METAL STUDS SHALL BE 8" WIDE UNLESS NOTED OTHERWISE. STUD THICKNESS AND SPACING BY OTHERS.
- SEE S7.00 SERIES SHEETS FOR TYPICAL FOUNDATION SECTIONS AND DETAILS.
- SEE SHEET S6.01 FOR SCHEDULES.

SHEET KEYNOTE

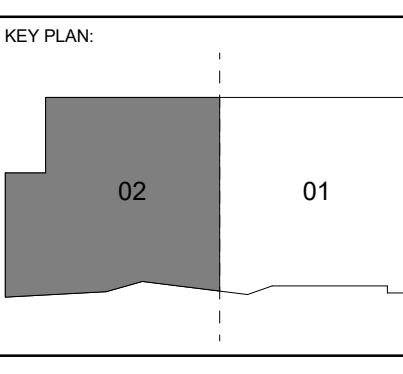
- FLOOR DRAIN / MOP SINK. SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- ELEVATOR SUMP PIT. COORDINATE EXACT SIZE AND LOCATION WITH ELEVATOR MANUFACTURER. SEE A4 / S5.61
- HSS6x6x3/8 ELEVATOR RAIL SUPPORT POST. COORDINATE LOCATION WITH ELEVATOR MANUFACTURER. SEE B4 / S5.61
- ELEVATION SHALL BE COORDINATED WITH TOP OF ELEVATOR PIT FOOTING. CONTRACTOR TO COORDINATE.
- HSS6x6x3/8 ELEVATOR RAIL SUPPORT POST. COORDINATE LOCATION WITH ELEVATOR MANUFACTURER. SEE D4 / S5.61
- TRANSVERSE SHEAR KEY AT LOCATIONS/SPACING SHOWN.
- SITE RETAINING WALL. COORDINATE EXACT SIZE AND EXTENT WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE RETAINING WALL SCHEDULE A1 / S6.01
- UNDER SLAB FRENCH DRAIN SYSTEM REQUIRED BELOW THE SLAB ON GRADE IN THE BASEMENT. SEE GEOTECHNICAL REPORT SECTION 12 FOR ADDITIONAL INFORMATION. FRENCH DRAIN PIPING SHALL BE SLOPED TO DRAIN WATER QUICKLY FROM BELOW THE SLAB TO A STORM DRAIN SYSTEM OUTSIDE THE BUILDING FOUNDATION PERIMETER.
- PROVIDE WALL TYPE 'B' 12" STEM. SITE WALL AT PRIVACY FENCE LOCATIONS. SEE A1 / S6.01 FOR SITE RETAINING WALL SCHEDULE. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR INFORMATION NOT GIVEN.
- CONCRETE SCREEN WALL TO SUPPORT PRE-MANUFACTURED CANOPY. PROVIDE #4 U-BARS @ 32" OC AT TOP OF WALL. WALL SHALL NOT ATTACH TO ANY PORTION OF STRUCTURE, INCLUDING STEEL COLUMNS OR STEEL BEAMS. SEE ARCHITECTURAL FOR ADDITIONAL INFORMATION NOT SHOWN.
- PEDESTAL UP TO EXTERIOR GRADE. SEE A1 / S3.12 AND ARCHITECTURAL FOR ADDITIONAL INFORMATION.
- HSS4x4x1/4 ELEVATOR RAIL SUPPORT POST. COORDINATE LOCATION WITH ELEVATOR MANUFACTURER. SEE C4 / S5.62 AND D4 / S5.62



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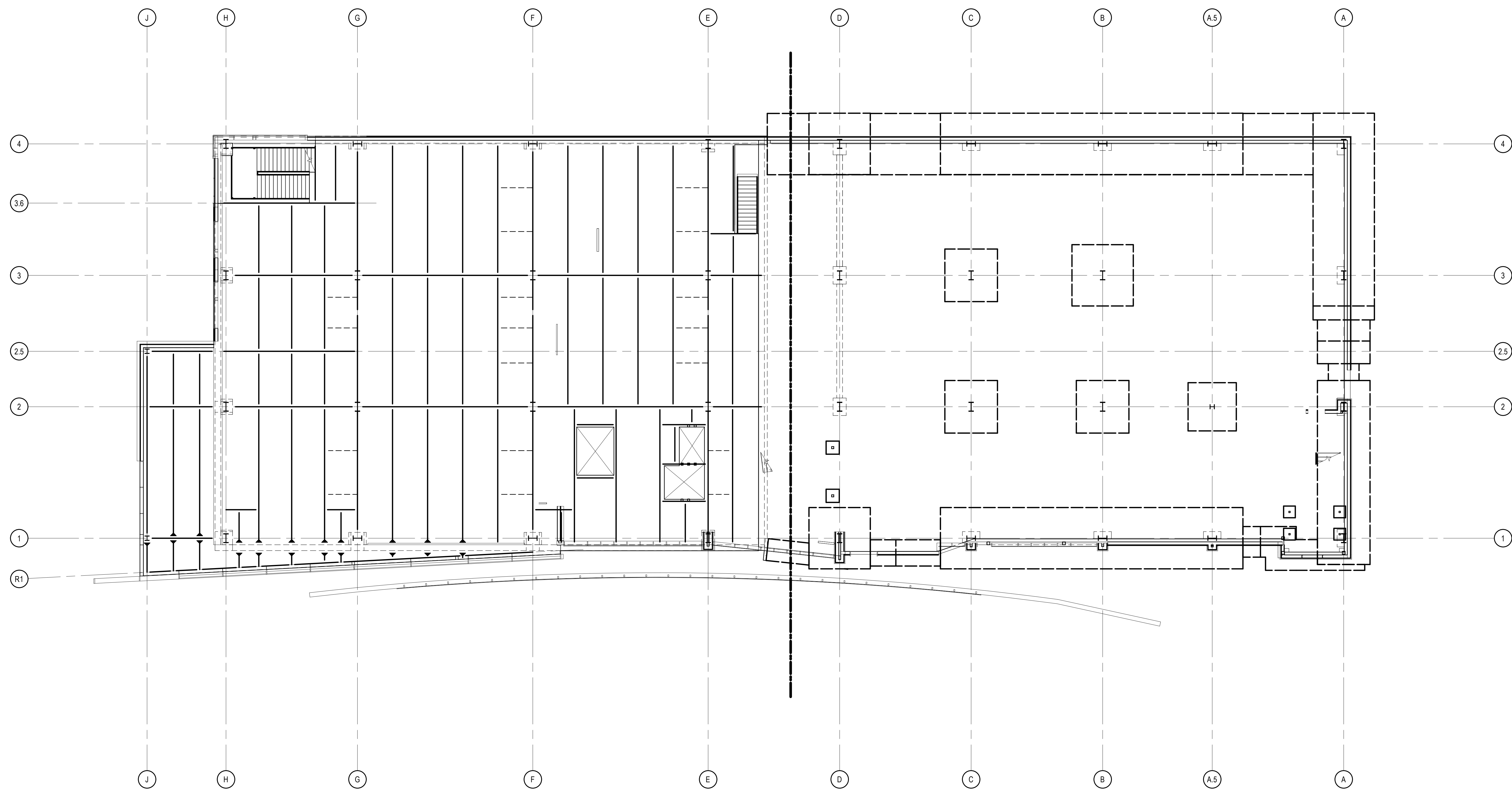
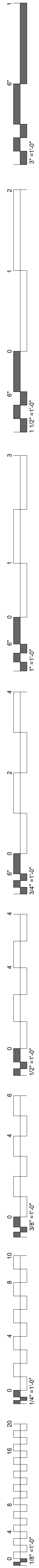
PROJECT PHASE:
BID PACKAGE 03

#	DATE	DESCRIPTION
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2	5/28/19	BID PACKAGE 03 ABI 02
3	7/12/19	BID PACKAGE 03 ABI 03

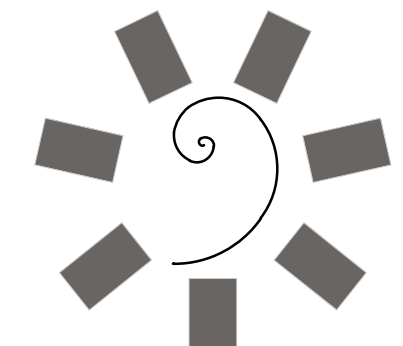
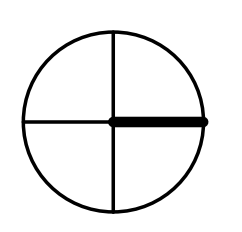
DATE: 03-20-19 JOB NUMBER: 17-13

SHEET NUMBER:
S1.02
BASEMENT FOUNDATION PLAN - SECTOR 2

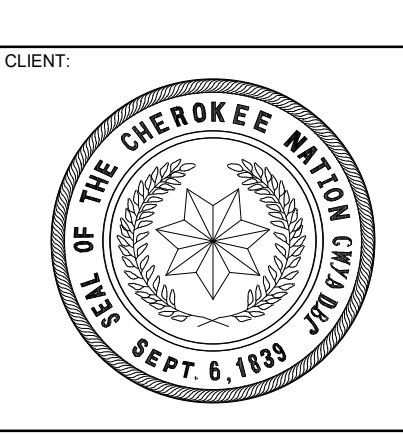
A1 BASEMENT FOUNDATION PLAN - SECTOR 2
SCALE: 1/8" = 1'-0"



A1 FIRST FLOOR FRAMING PLAN - OVERALL PLAN
SCALE: 3/32" = 1'-0"

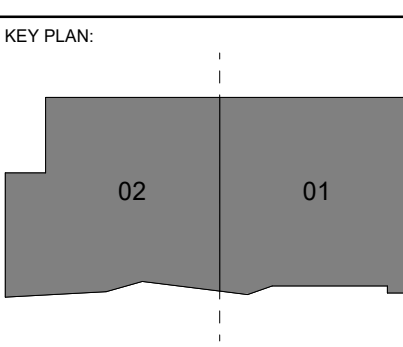


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PROJECT PHASE:
BID PACKAGE 03

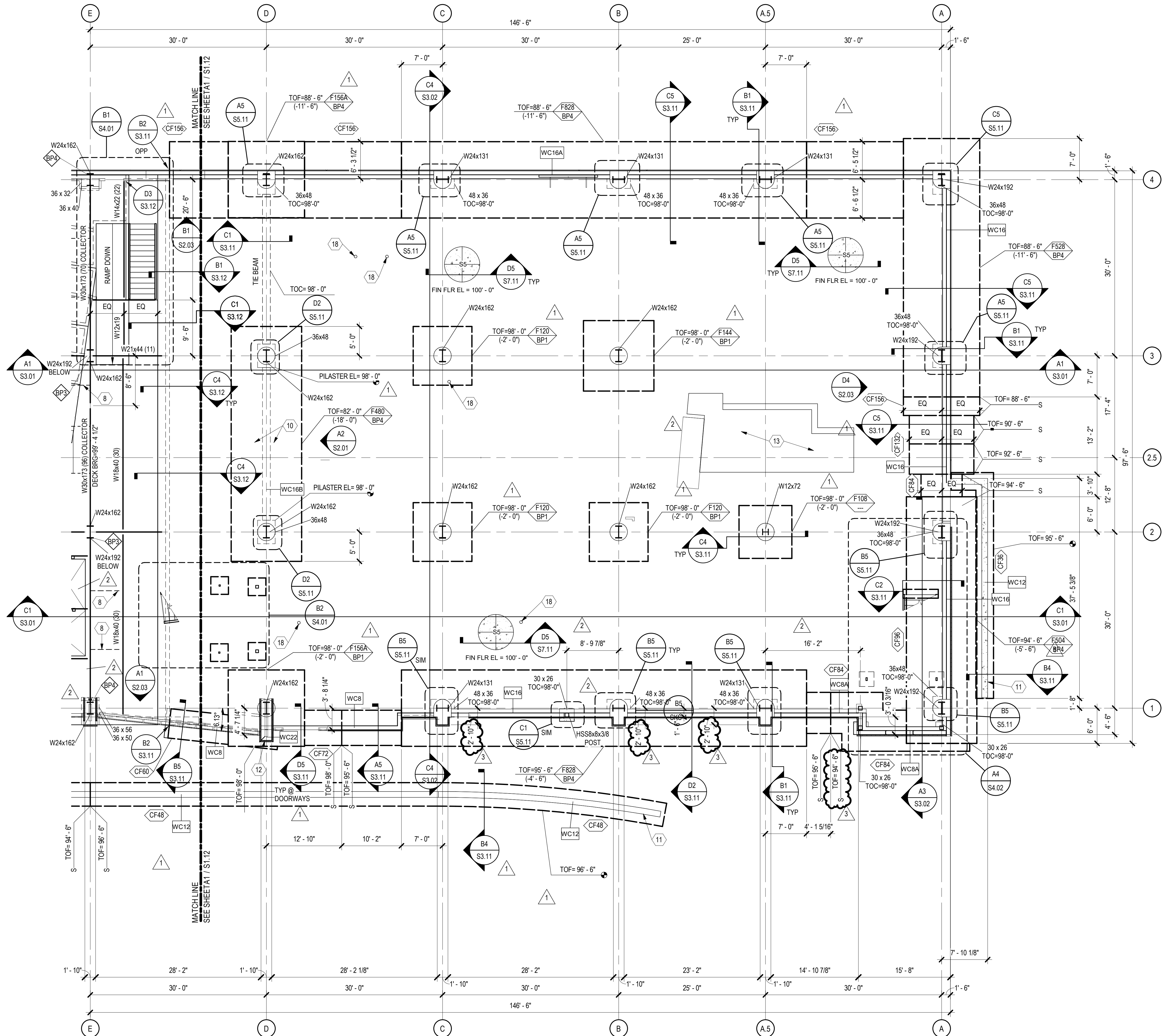
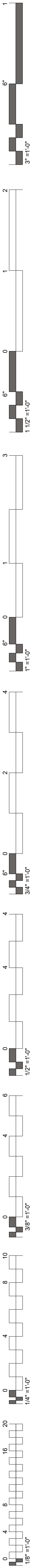
#	DATE	REVISIONS	DESCRIPTION

DATE: 03-20-19 JOB NUMBER: 17-13

SHEET NUMBER:
S1.10

FIRST FLOOR FRAMING
PLAN - OVERALL PLAN

NOTE: THIS STRUCTURAL PACKAGE IS FOR FOUNDATIONS ONLY. ANY CHANGES TO THE PROJECT, INCLUDING, BUT NOT LIMITED TO: LOADING REQUIREMENTS, GEOMETRY CHANGES IN PLAN OR ELEVATION, SPACE USAGE REVISIONS, OR VALUE ENGINEERING MAY AFFECT THE STRUCTURAL STEEL MEMBER REQUIREMENTS SHOWN IN THESE DRAWINGS.

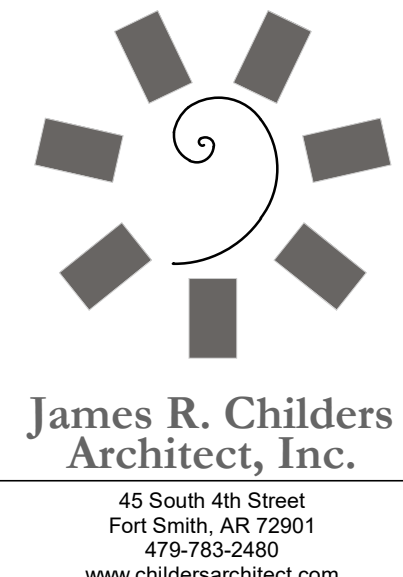


GENERAL SHEET NOTES

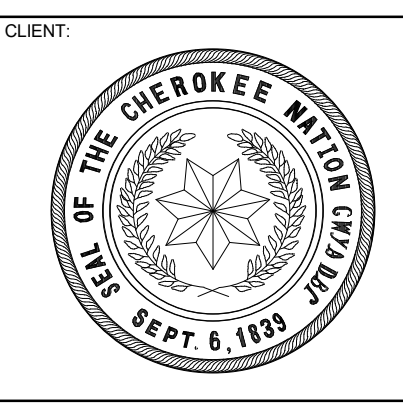
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- DIMENSIONS ARE TO THE FACE OF CONCRETE OR STUDS UNLESS NOTED OTHERWISE.
- SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
- BEAMS ARE SPACED EQUALLY BETWEEN GRIDS UNLESS NOTED OTHERWISE.
- STRUCTURAL COLD FORMED METAL STUDS SHALL BE 8" WIDE UNLESS NOTED OTHERWISE. STUD THICKNESS AND SPACING BY OTHERS.
- SEE S7.00 SERIES SHEETS FOR TYPICAL DETAILS.
- SEE SHEET S6.01 FOR SCHEDULES.
- ALL MOMENT FRAMES LABELED ON PLAN UTILIZE SIDEPLATE PROPRIETARY MOMENT CONNECTIONS. SEE SHEETS S8.01 - S8.08.
- DENOTES MOMENT CONNECTION PER TYPICAL DETAILS.
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- DIMENSIONS SHOWN ON PLAN AS FOLLOWS ARE CONCRETE PILASTER DIMENSIONS IN INCHES: 36x36, 50x36, ETC. DIMENSIONS ARE "PLAN WIDTH" x "PLAN HEIGHT". COORDINATE PILASTER REQUIREMENTS WITH SHEET S2.03

SHEET KEYNOTE

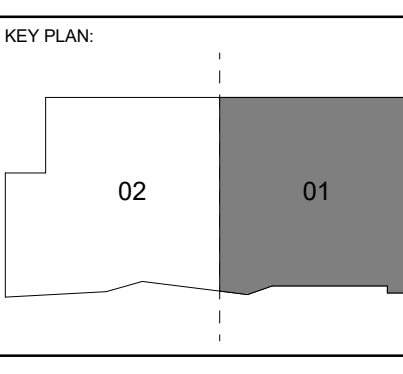
- HSS6x4x1/2 ELEVATOR RAIL SUPPORT POST. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE B4 / S5.62, C4 / S5.62, D4 / S5.62
- OPERABLE PARTITION BELOW. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS. SEE A5 / S5.52 FOR SUPPORT.
- BEAM SPLICE LOCATION. SEE B4 / S5.52 FOR SPLICE DETAIL.
- HSS6x3/8 ELEVATOR RAIL SUPPORT POST. COORDINATE LOCATION WITH ELEVATOR MANUFACTURER. SEE A4 / S5.62, B4 / S5.62, C4 / S5.62, D4 / S5.62, AND C3 / S5.62
- W8x3 OUTRIGGER.
- TOTAL NUMBER OF CHORD REINFORCEMENT BARS AT EXTENTS SHOWN. CHORD REINFORCEMENT SHALL BE LOCATED AS INDICATED ON PLAN. PROVIDE 130% LAP SPLICES WHEN REQUIRED.
- 3-#7 SLAB REINFORCING BARS. EXTEND BARS 130% OF A LAP SPLICE LENGTH BEYOND OPENING, OR PROVIDE STD 90 DEGREE HOOK WHERE REQUIRED.
- BOTTOM FLANGE BRACING AT EQUAL SPACING, UNLESS NOTED OTHERWISE. SEE B1 / S5.52
- BOTTOM FLANGE BRACING SPACED AT 10'-0" ON CENTER MAXIMUM, UNLESS NOTED OTHERWISE. SEE A1 / S5.52
- BACKFILL PLACED AGAINST WALL SHALL BE DONE IN EQUAL LIFTS, ALTERNATING EACH SIDE OF WALL TO PREVENT UNINTENDED RETAINAGE OF SOIL.
- SITE WALL. COORDINATE EXACT SIZE, EXTENT, AND RADIAL DIMENSIONS WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE B4 / S3.11
- PROVIDE STEM WALL FOR SUPPORT OF EXTERIOR STUDS AND VENEER, SEE D1 / S3.11
- PODIUM FRAMING, COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
- CONTRACTOR TO COORDINATE EXACT EXTENT OF SECTION FOR WALL FRAMING REQUIREMENTS WITH ARCHITECTURAL ELEVATIONS.
- COVER PLATE BEAM AT EXTENTS SHOWN. DIMENSIONS GIVEN ARE TO FACE/EDGE OF FLANGE. SEE D5 / S3.23 FOR FRAMING DETAIL.
- CONTRACTOR TO COORDINATE FLOOR OPENING WITH ARCHITECTURAL AND MECHANICAL.
- FLOOR DRAIN / MOP SINK. SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
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- BEAM SHALL BE CENTERED BETWEEN ELEVATOR GUIDERAIL SUPPORTS. CONTRACTOR TO COORDINATE BEAM LOCATION WITH SELECTED ELEVATOR.
- HSS4x4x1/4 ELEVATOR RAIL SUPPORT POST. COORDINATE LOCATION WITH ELEVATOR MANUFACTURER. SEE C4 / S5.62 AND D4 / S5.62



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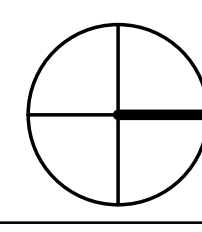
PROJECT PHASE:
 BID PACKAGE 03

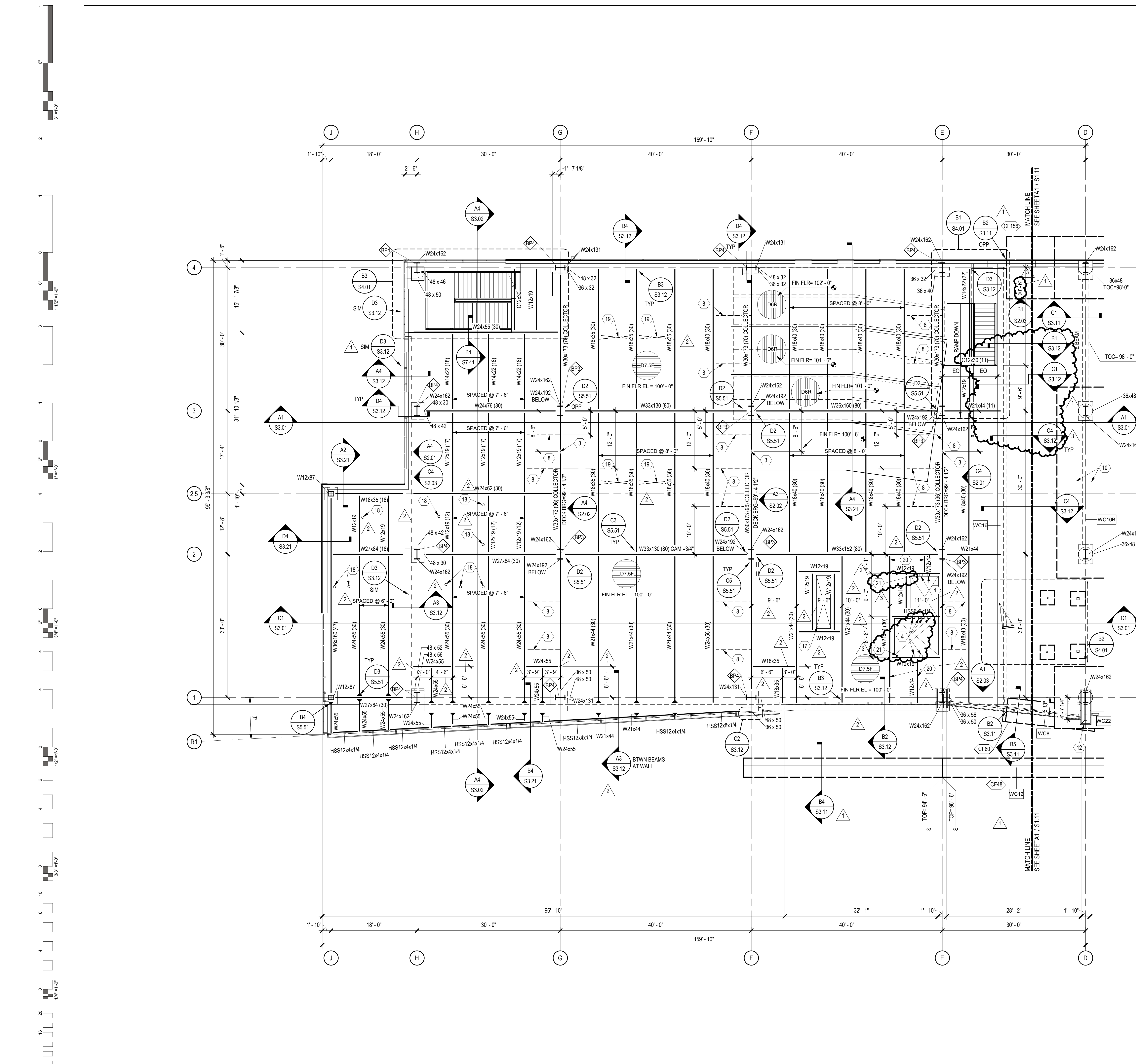
#	DATE	REVISIONS
1	4/28/19	BID PACKAGE 03 ABI 01
2	5/28/19	BID PACKAGE 03 ABI 02
3	7/12/19	BID PACKAGE 03 ABI 03

DATE: 03-20-19 JOB NUMBER: 17-13

SHEET NUMBER:
S1.11
 FIRST FLOOR FOUNDATION AND FRAMING PLAN - SECTOR 1

A1 FIRST FLOOR FOUNDATION AND FRAMING PLAN - SECTOR 1
 SCALE: 1/8" = 1'-0"





GENERAL SHEET NOTES

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 505-344-6800 505-343-8759 (fax)

CLEVER

 THE CHEROKEE NATION
 EST. 1828

SHEET KEYNOTE

- HSS6x4x1/2 ELEVATOR RAIL SUPPORT POST. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE B4 / S5.62, C4 / S5.62, D4 / S5.62.
- OPERABLE PARTITION BELOW. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS. SEE A5 / S5.52 FOR SUPPORT.
- BEAM SPLICE LOCATION. SEE B4 / S5.52 FOR SPLICE DETAIL.
- HSS6x4x1/2 ELEVATOR RAIL SUPPORT POST. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE A1 / S5.62, B4 / S5.62, C4 / S5.62, AND C3 / S5.62.
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KEY PLAN

 PROJECT PHASE:
 BID PACKAGE 03

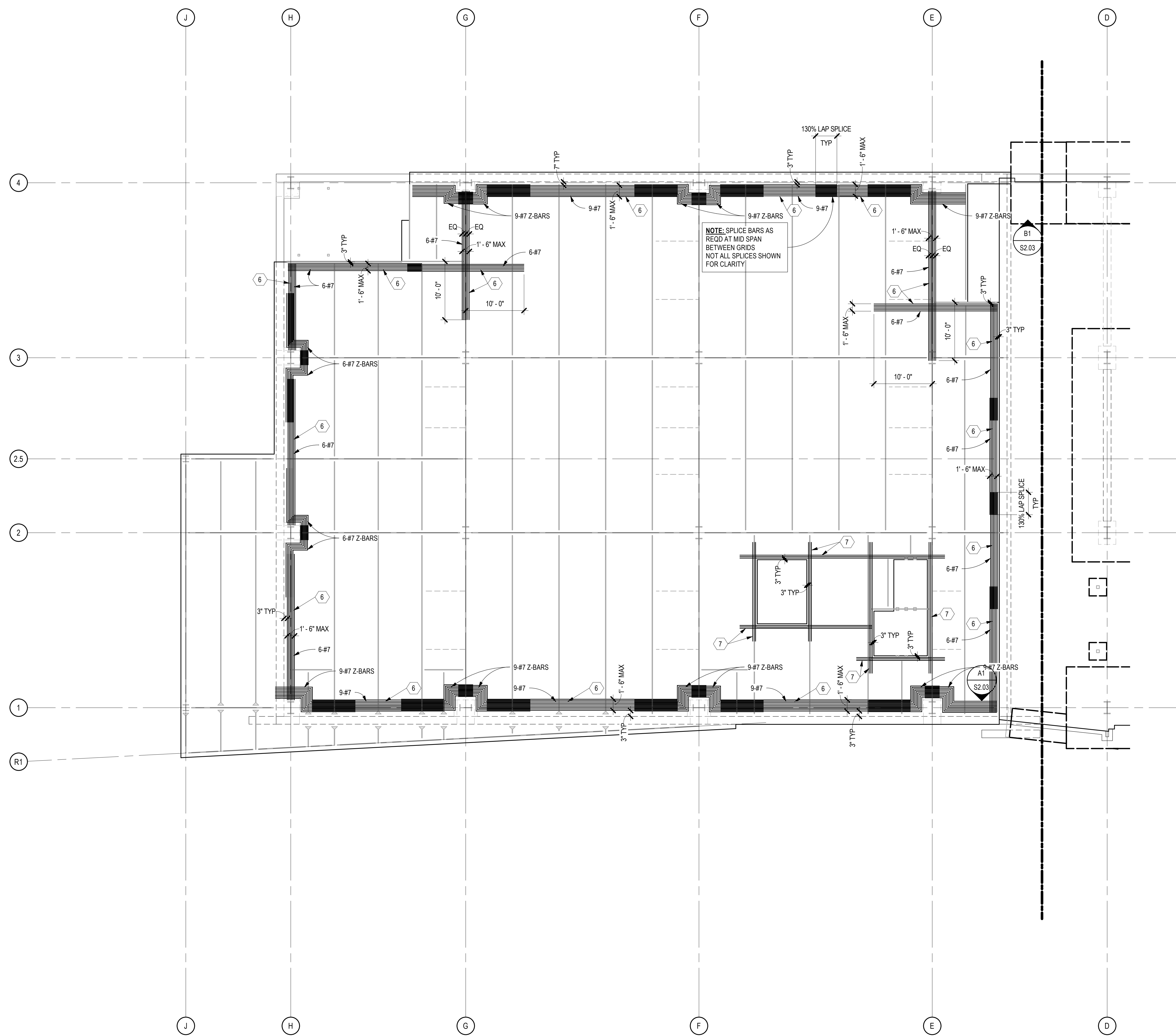
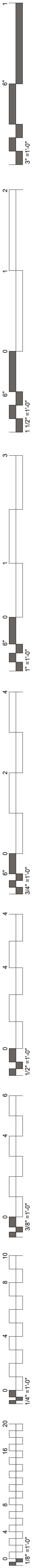
REVISIONS

#	DATE	DESCRIPTION
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2	5/28/19	BID PACKAGE 03 A&I 02
3	6/17/19	BID PACKAGE 04 A&I 02
4	7/12/19	BID PACKAGE 03 A&I 03

DATE: 03-20-19 JOB NUMBER: 17-13

SHEET NUMBER:
S1.12
 FIRST FLOOR FRAMING PLAN - SECTOR 2

A1 FIRST FLOOR FRAMING PLAN - SECTOR 2
 SCALE: 1/8" = 1'-0"



GENERAL SHEET NOTES

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SHEET KEYNOTE

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- HSS6x3/8 ELEVATOR RAIL SUPPORT POST. COORDINATE LOCATION WITH ELEVATOR MANUFACTURER. SEE A4 / S5.62, B4 / S5.62, C4 / S5.62, D4 / S5.62, AND C3 / S5.62
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A1 FIRST FLOOR FRAMING PLAN - SECTOR 2 SLAB PLAN
SCALE: 1/8" = 1'-0"

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479-783-2450
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CG
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consulting engineers, inc.
4700 Lincoln Road, Suite 102, Ardmore, OK 73401
505-344-0000 / 505-343-8759 (fax)

CLIENT:
THE CHEROKEE NATION
EST. 1828

COLLEGE OF
Osteopathic Medicine
AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA

KEY PLAN:
02 01

PROJECT PHASE:
BID PACKAGE 03

#	DATE	REVISION DESCRIPTION

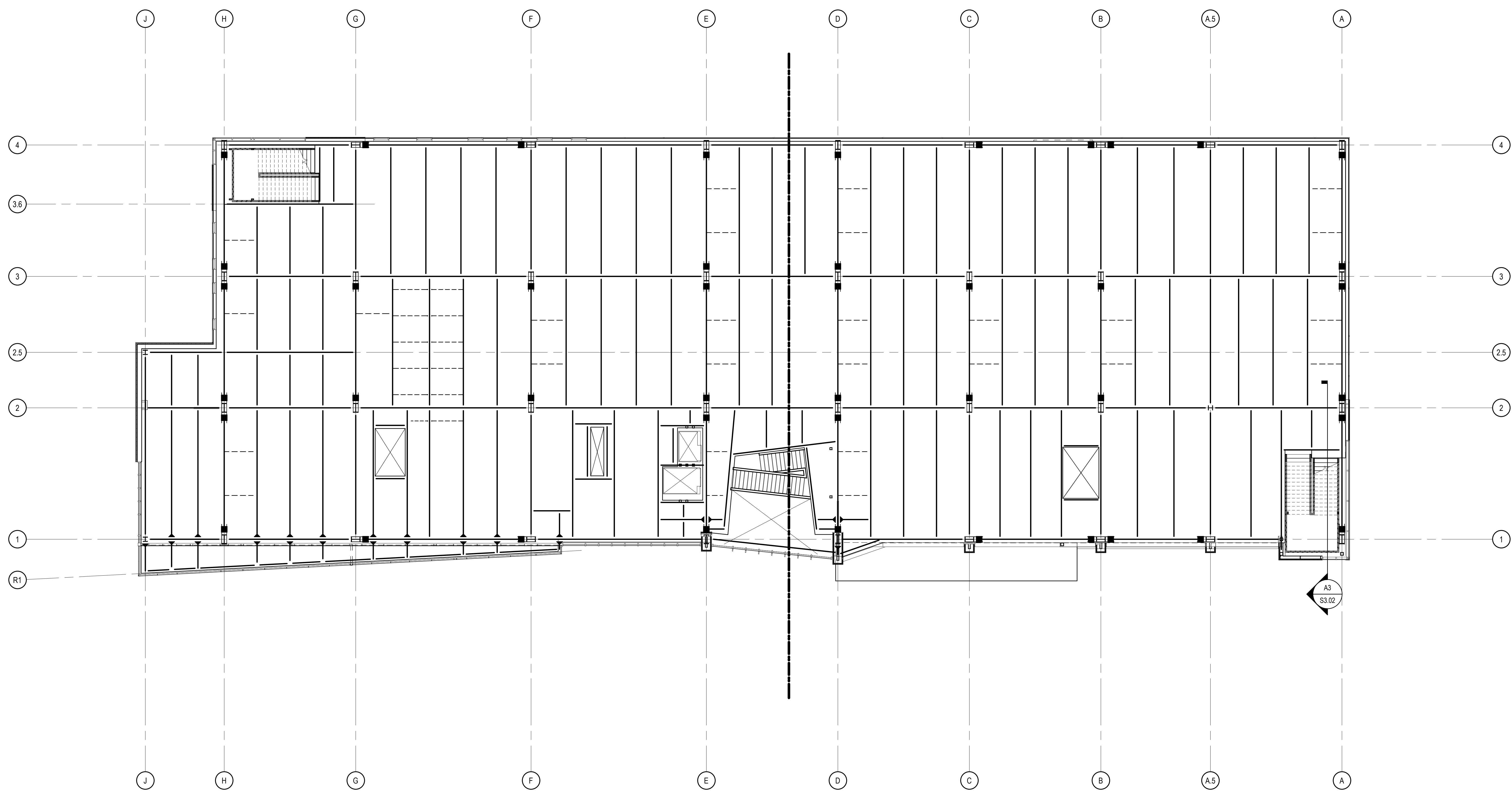
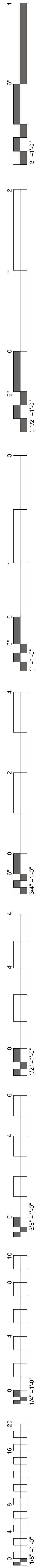
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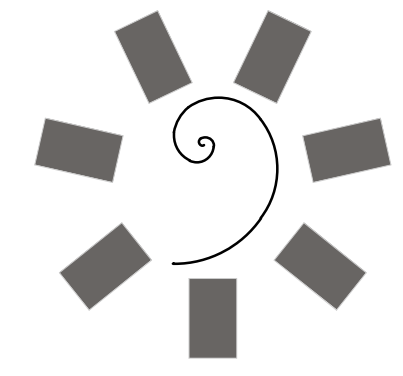
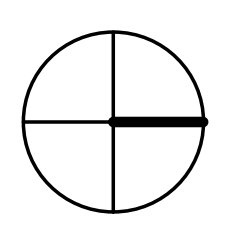
SHEET NUMBER:
S1.13

FIRST FLOOR SLAB REINFORCING PLAN - SECTOR 2

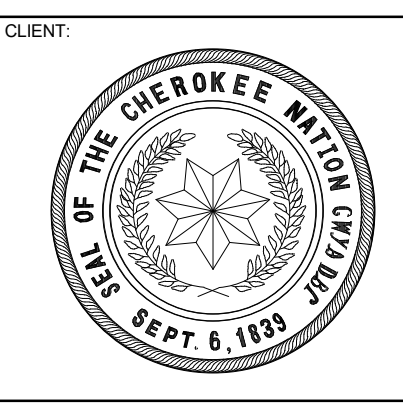
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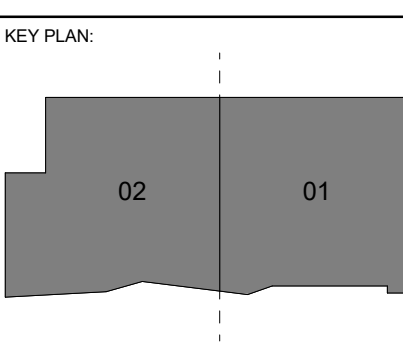
A1 SECOND FLOOR FRAMING PLAN - OVERALL PLAN
SCALE: 3/32" = 1'-0"



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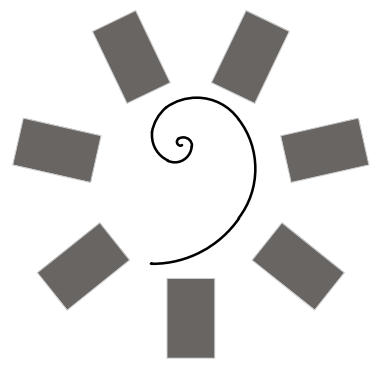


PROJECT PHASE:
BID PACKAGE 04

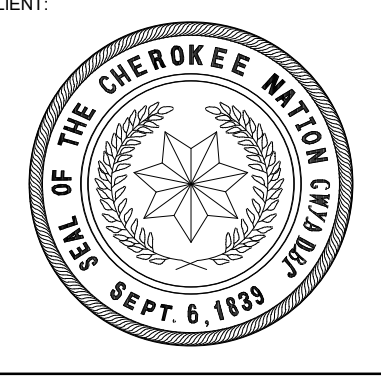
#	DATE	REVISIONS DESCRIPTION

DATE: 05-10-19 JOB NUMBER: 17-13

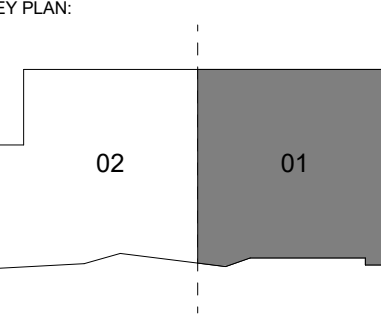
SHEET NUMBER:
S1.20
SECOND FLOOR
FRAMING PLAN -
OVERALL PLAN



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PROJECT PHASE:
BID PACKAGE 04

#	DATE	REVISIONS	DESCRIPTION
1	05/24/19	BID PACKAGE 04	ABJ/02
2	07/17/19	BID PACKAGE 04	ABJ/02
3	08/19/19	BID PACKAGE 04	ABJ/02

DATE: 05-10-19 JOB NUMBER: 17-13

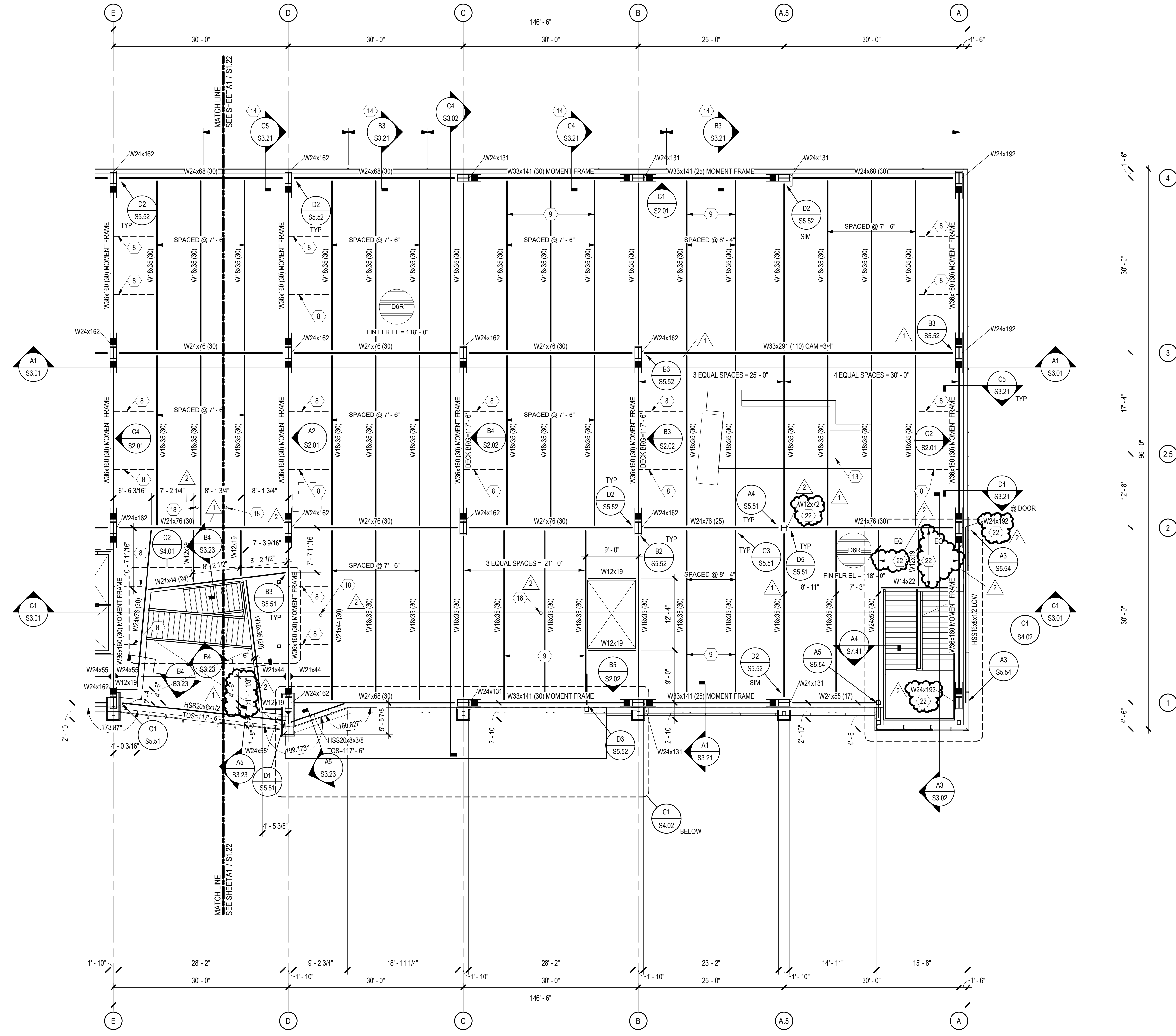
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S1.21
SECOND FLOOR FRAMING PLAN - SECTOR 1

GENERAL SHEET NOTES

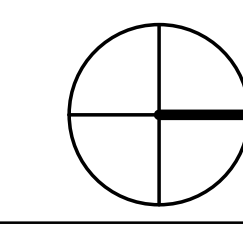
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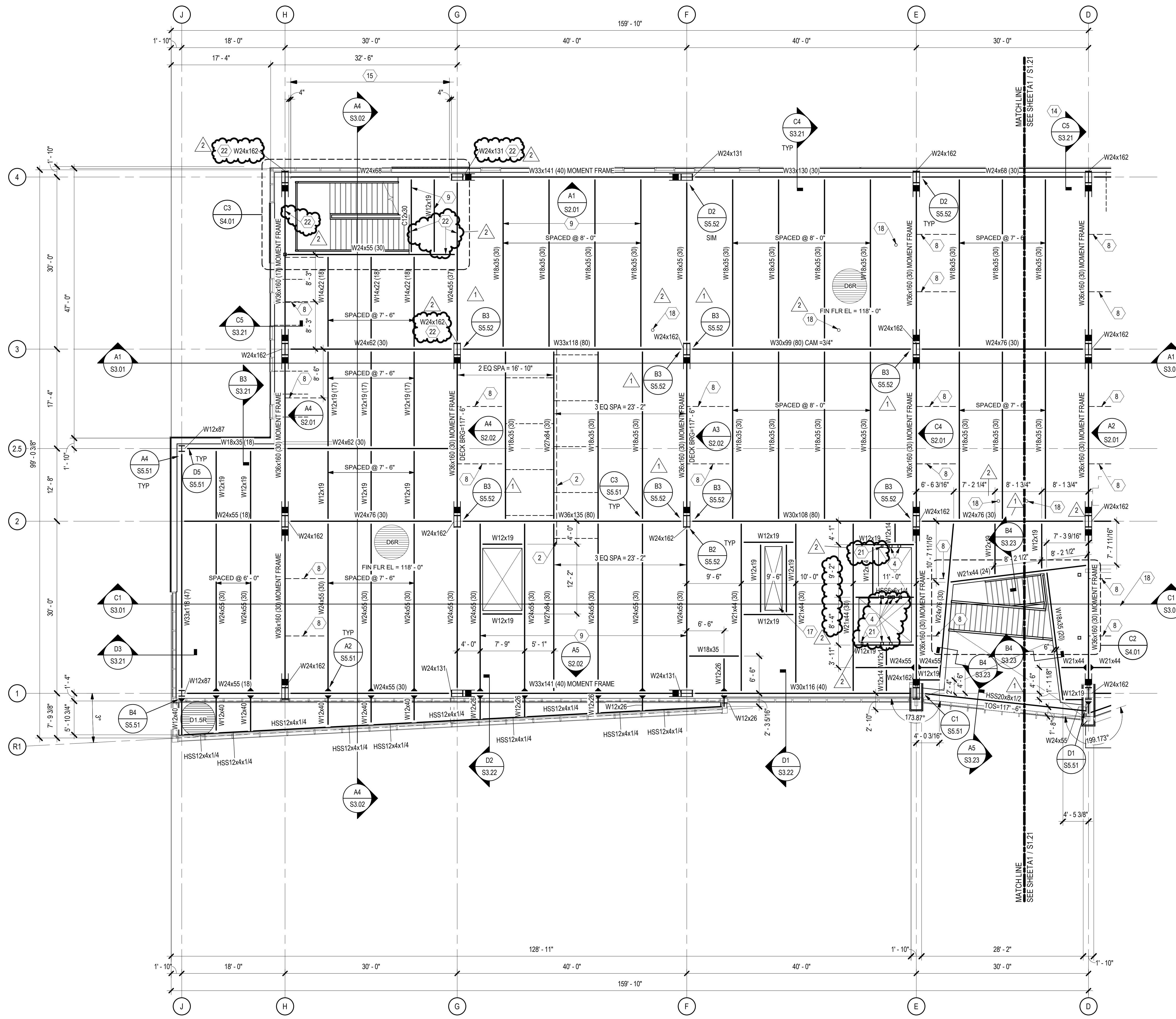
SHEET KEYNOTE

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- OPERABLE PARTITION BELOW. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS. SEE A5 / S5.52 FOR SUPPORT.
- BEAM SPLICE LOCATION. SEE B4 / S5.52 FOR SPLICE DETAIL.
- HSS6x6x3/8 ELEVATOR RAIL SUPPORT POST. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE A4 / S5.62, B4 / S5.62, C4 / S5.62, D4 / S5.62, AND C3 / S5.62
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- BOTTOM FLANGE BRACING SPACED AT 10'-0" ON CENTER MAXIMUM, UNLESS NOTED OTHERWISE. SEE A1 / S5.52
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- SITE WALL. COORDINATE EXACT SIZE, EXTENT, AND RADIAL DIMENSIONS WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE B4 / S3.11
- PROVIDE STEINWALL FOR SUPPORT OF EXTERIOR STUDS AND VENEER. SEE D1 / S3.11
- PODIUM FRAMING. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
- CONTRACTOR TO COORDINATE EXACT EXTENT OF SECTION FOR WALL FRAMING REQUIREMENTS WITH ARCHITECTURAL ELEVATIONS.
- COVER PLATE BEAM AT EXTENTS SHOWN. DIMENSIONS GIVEN ARE TO FACE/EDGE OF FLANGE. SEE D5 / S3.23 FOR FRAMING DETAIL.
- OUTRIGGER BEAM (STUB). SEE D5 / S3.23
- CONTRACTOR TO COORDINATE FLOOR OPENING WITH ARCHITECTURAL AND MECHANICAL.
- FLOOR DRAIN / MCP SINK. SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
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- STRUCTURAL MEMBER SUPPORTING EXIT STAIRS. SEE LIFE SAFETY DRAWINGS FOR FIREPROOFING REQUIREMENTS.



A1 SECOND FLOOR FRAMING PLAN - SECTOR 1
SCALE: 1/8" = 1'-0"



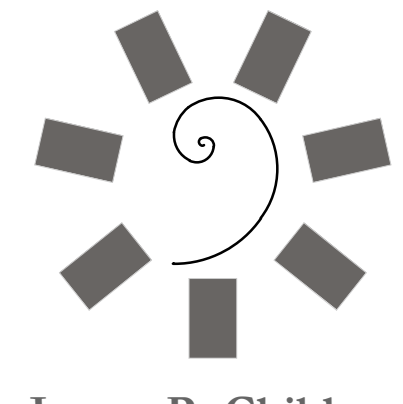


GENERAL SHEET NOTES

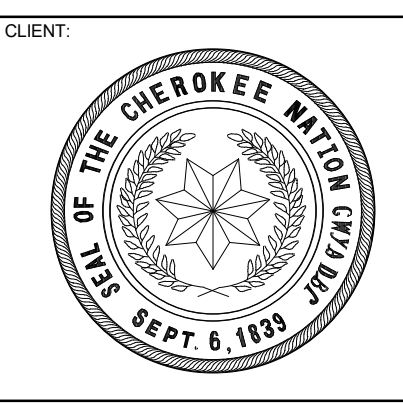
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- SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
- BEAMS ARE SPACED EQUALLY BETWEEN GRIDS UNLESS NOTED OTHERWISE.
- STRUCTURAL COLD FORMED METAL STUDS SHALL BE 8" WIDE UNLESS NOTED OTHERWISE. STUD THICKNESS AND SPACING BY OTHERS.
- SEE S7.00 SERIES SHEETS FOR TYPICAL DETAILS.
- SEE SHEET S6.01 FOR SCHEDULES.
- ALL MOMENT FRAMES LABELED ON PLAN UTILIZE SIDEPLATE PROPRIETARY MOMENT CONNECTIONS. SEE SHEETS S8.01 - S8.08.
- NOTES DENOTES MOMENT CONNECTION PER TYPICAL DETAILS.
- NOTES SIDEPLATE MOMENT CONNECTION. SEE SIDEPLATE DRAWINGS, SHEETS S8.01 - S8.08.
- DIMENSIONS SHOWN ON PLAN AS FOLLOWS ARE CONCRETE PILASTER DIMENSIONS IN INCHES: 38x36, 50x36, ETC. DIMENSIONS ARE "PLAN WIDTH" x "PLAN HEIGHT". COORDINATE PILASTER REQUIREMENTS WITH SHEET S2.03.

SHEET KEYNOTE

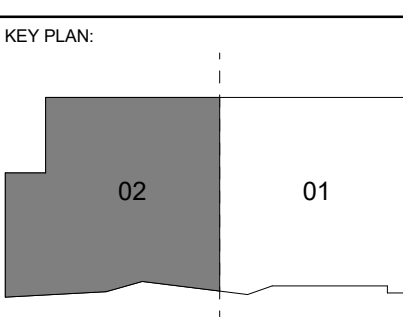
- HSS6x4x1/2 ELEVATOR RAIL SUPPORT POST. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE B4 / S5.62, C4 / S5.62, D4 / S5.62
- OPERABLE PARTITION BELOW. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS. SEE A5 / S5.52 FOR SUPPORT.
- BEAM SPLICE LOCATION. SEE B4 / S5.52 FOR SPLICE DETAIL.
- HSS6x3x3/8 ELEVATOR RAIL SUPPORT POST. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE A4 / S5.62, B4 / S5.62, C4 / S5.62, D4 / S5.62, AND C3 / S5.62
- W8x31 OUTRIGGER
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- BOTTOM FLANGE BRACING AT EQUAL SPACING, UNLESS NOTED OTHERWISE. SEE B1 / S5.52
- BOTTOM FLANGE BRACING SPACED AT 10'-0" ON CENTER MAXIMUM, UNLESS NOTED OTHERWISE. SEE A1 / S5.52
- BACKFILL PLACED AGAINST WALL SHALL BE DONE IN EQUAL LIFTS, ALTERNATING EACH SIDE OF WALL TO PREVENT UNINTENDED RETAINAGE OF SOIL.
- SITE WALL. COORDINATE EXACT SIZE, EXTENT, AND RADIAL DIMENSIONS WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE B4 / S3.11
- PROVIDE STEEMWALL FOR SUPPORT OF EXTERIOR STUDS AND VENEER. SEE D1 / S3.11
- PODIUM FRAMING, COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
- CONTRACTOR TO COORDINATE EXACT EXTENT OF SECTION FOR WALL FRAMING REQUIREMENTS WITH ARCHITECTURAL ELEVATIONS.
- COVER PLATE BEAM AT EXTENTS SHOWN. DIMENSIONS GIVEN ARE TO FACE/EDGE OF FLANGE. SEE D5 / S3.23 FOR FRAMING DETAIL.
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PROJECT PHASE:
BID PACKAGE 04

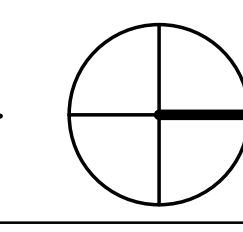
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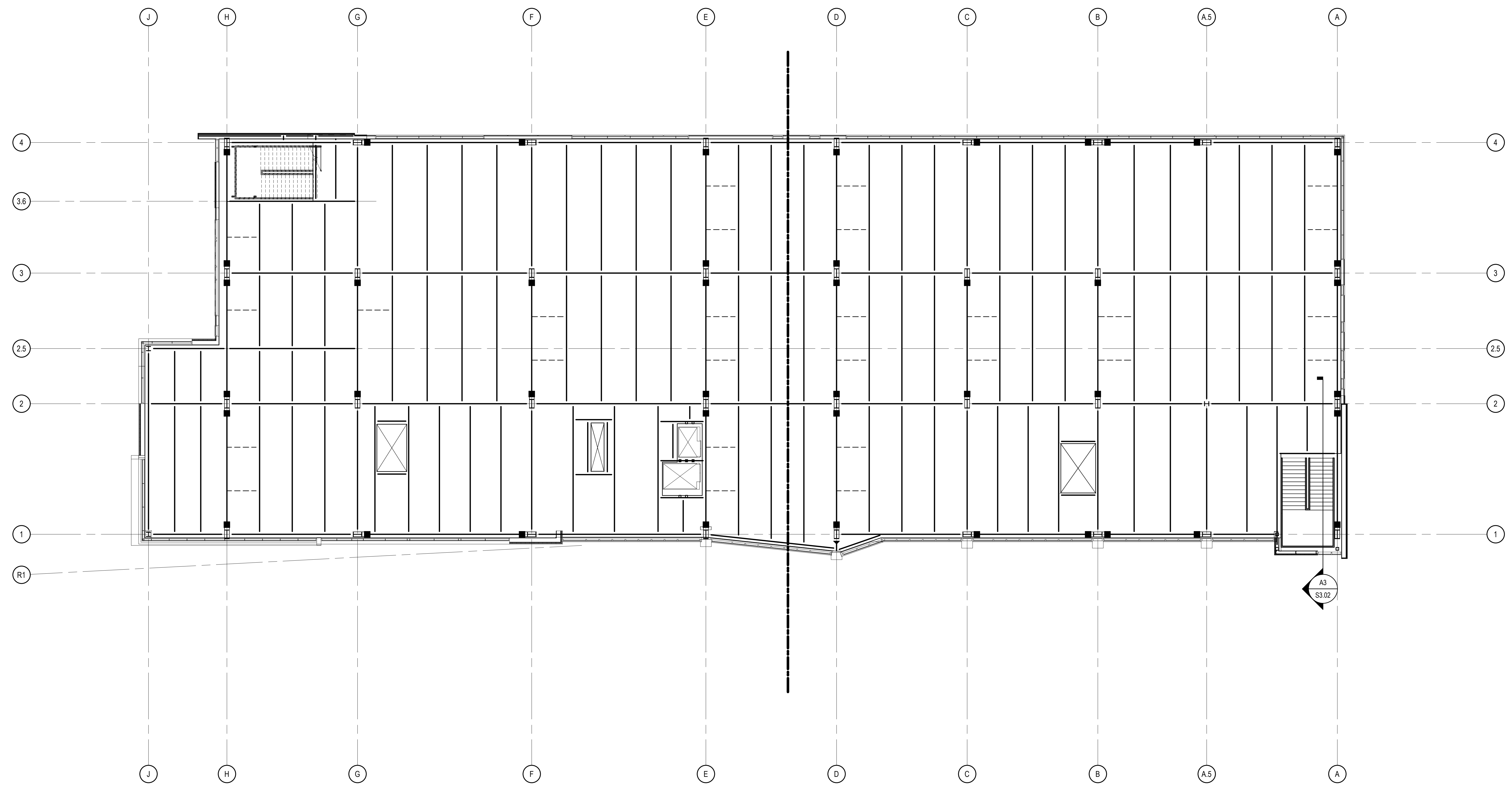
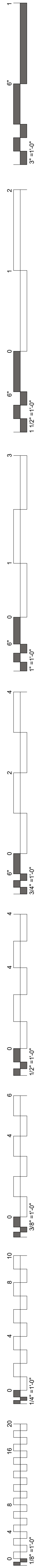
DATE: 05-10-19 JOB NUMBER: 17-13

SHEET NUMBER: S1.22

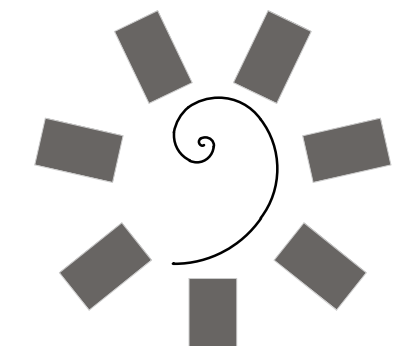
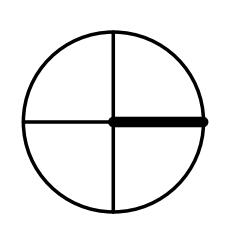
SECOND FLOOR FRAMING PLAN - SECTOR 2

A1 SECOND FLOOR FRAMING PLAN - SECTOR 2
SCALE: 1/8" = 1'-0"

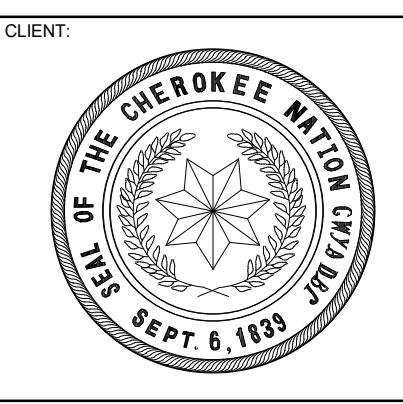




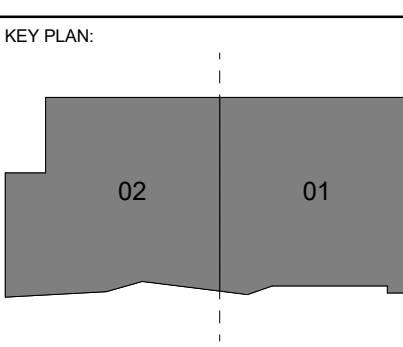
A1 THIRD FLOOR FRAMING PLAN - OVERALL PLAN
SCALE: 3/32" = 1'-0"



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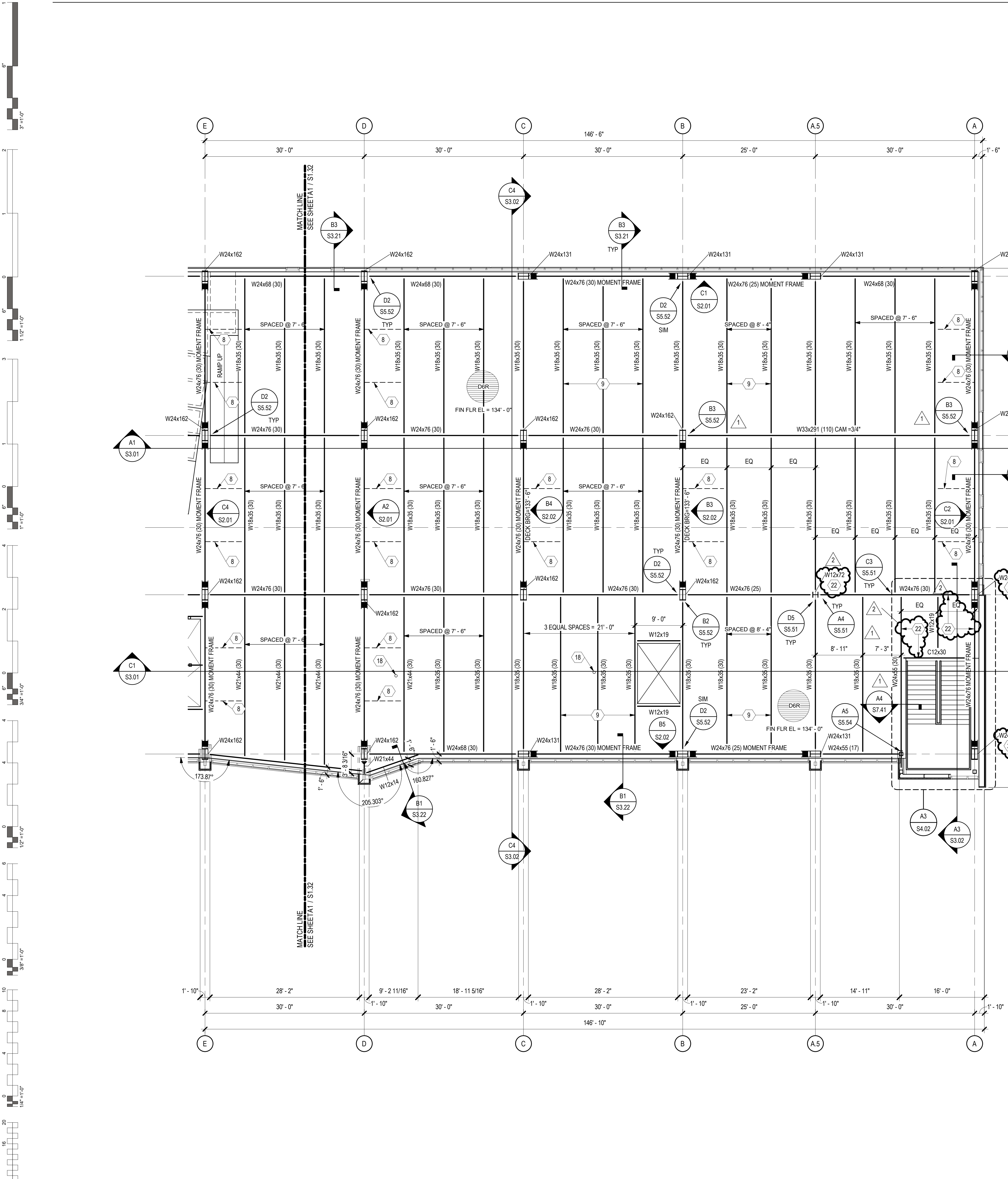
PROJECT PHASE:
BID PACKAGE 04

#	DATE	REVISIONS DESCRIPTION

DATE: 05-10-19 JOB NUMBER: 17-13

SHEET NUMBER:
S1.30

THIRD FLOOR FRAMING
PLAN - OVERALL PLAN

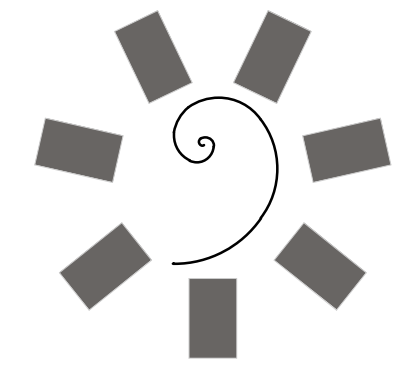


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SHEET KEYNOTE

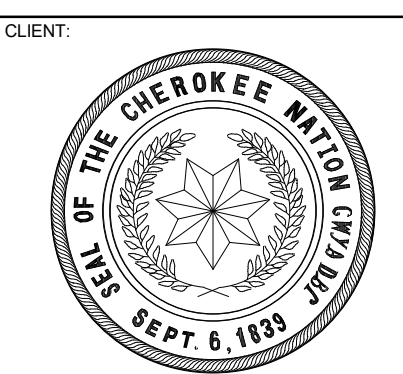
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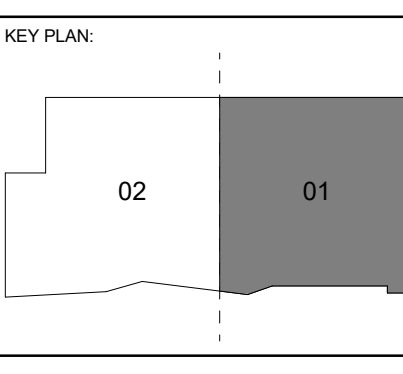
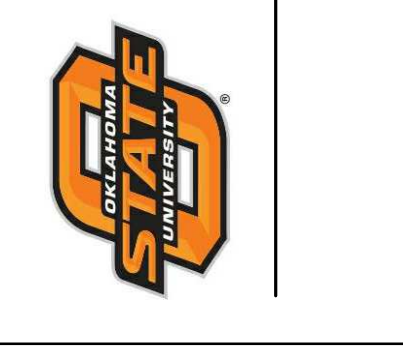
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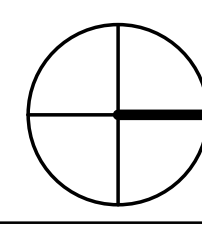
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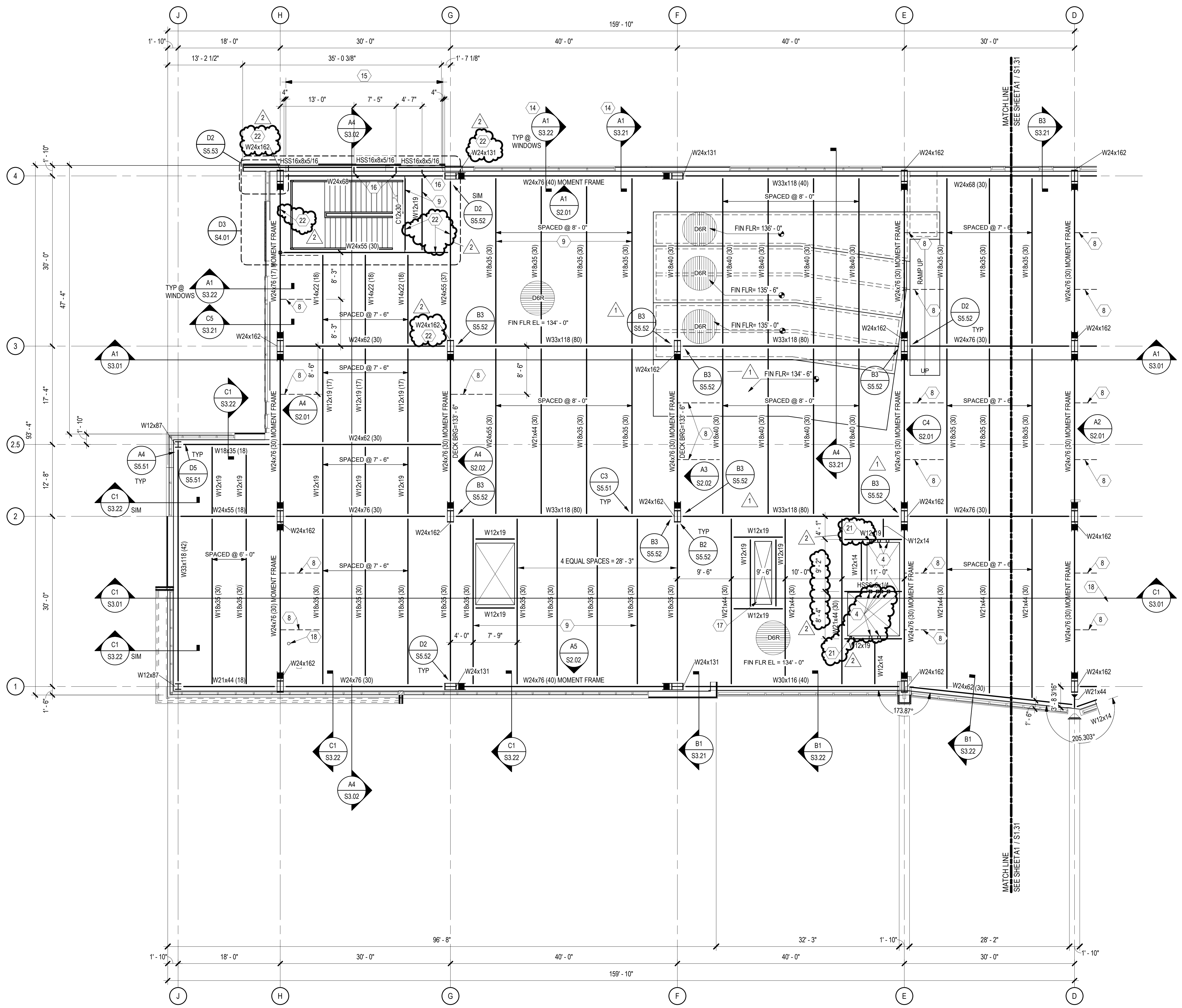
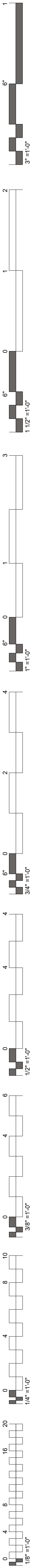
DATE: 05-10-19 JOB NUMBER: 17-13

SHEET NUMBER:
S1.31

THIRD FLOOR FRAMING
PLAN - SECTOR 1

A1 THIRD FLOOR FRAMING PLAN - SECTOR 1
SCALE: 1/8" = 1'-0"



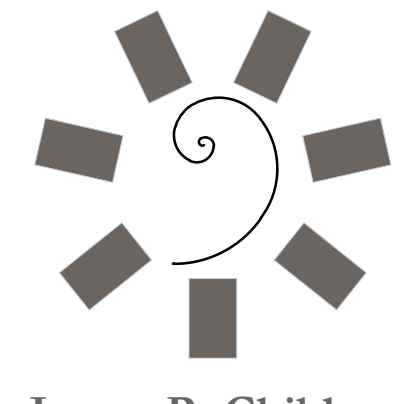


GENERAL SHEET NOTES

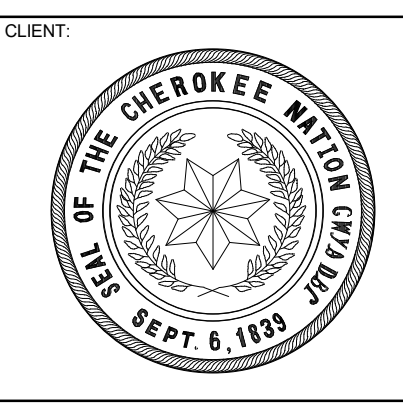
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SHEET KEYNOTE

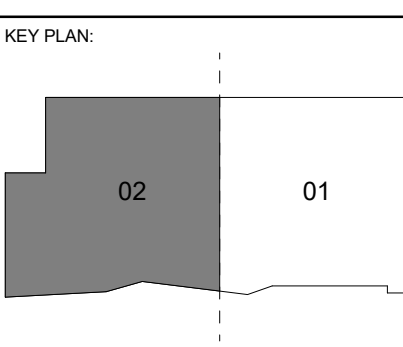
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PROJECT PHASE:
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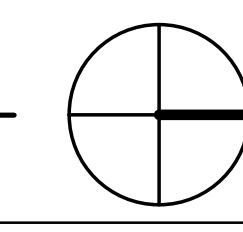
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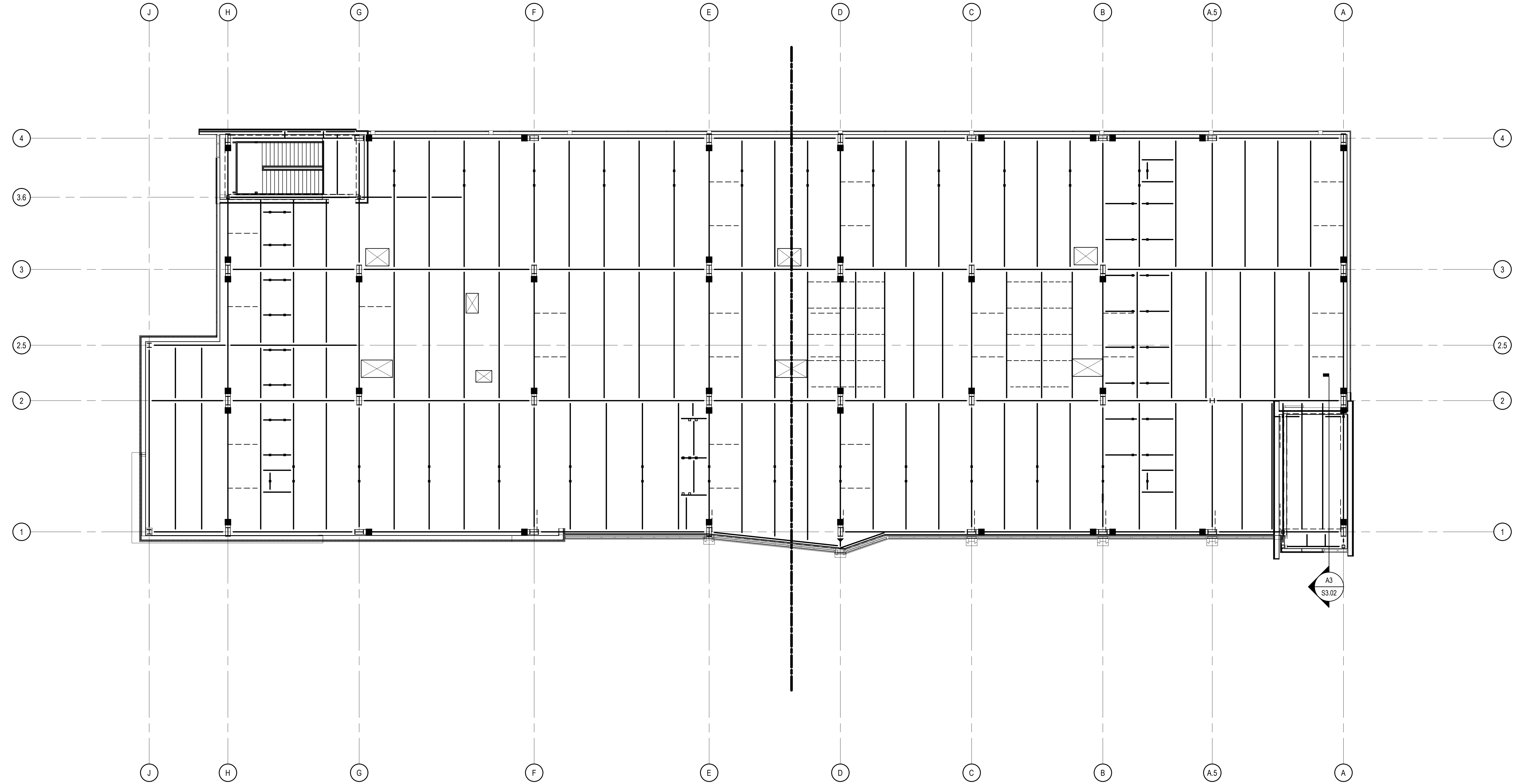
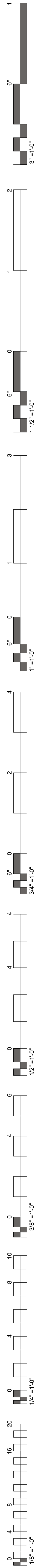
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SHEET NUMBER:
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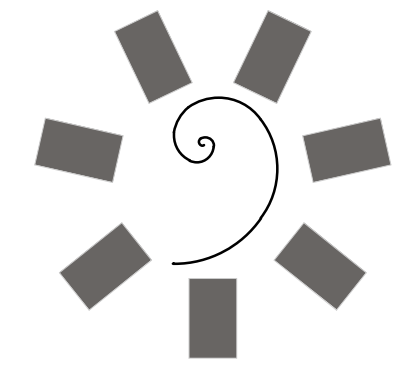
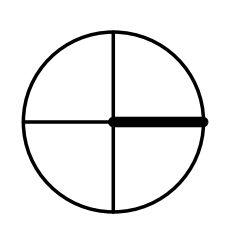
THIRD FLOOR FRAMING
PLAN - SECTOR 2

A1 THIRD FLOOR FRAMING PLAN - SECTOR 2
SCALE: 1/8" = 1'-0"

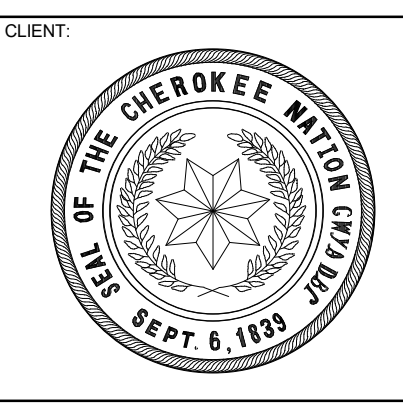




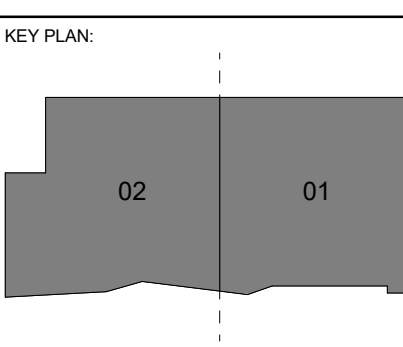
A1 ROOF FRAMING PLAN - OVERALL PLAN
SCALE: 3/32" = 1'-0"



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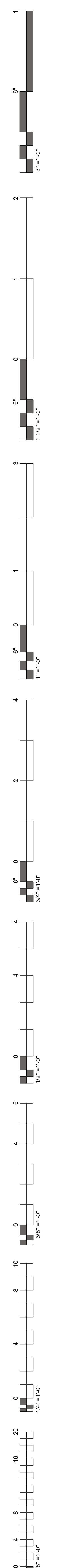
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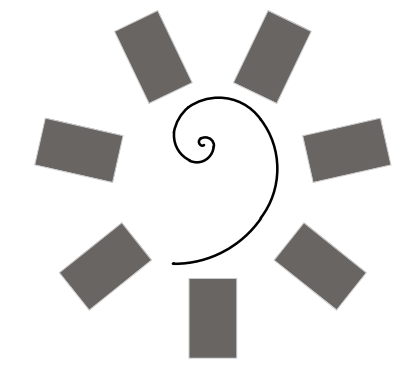
SHEET NUMBER:
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ROOF FRAMING PLAN -
OVERALL PLAN

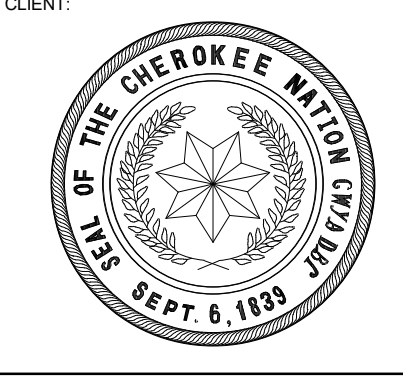


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- ◀ DENOTES MOMENT CONNECTION PER TYPICAL DETAILS.
- ◻ DENOTES SIDELATE MOMENT CONNECTION. SEE SIDELATE DRAWINGS.



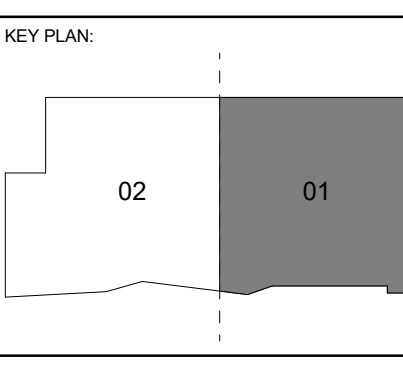
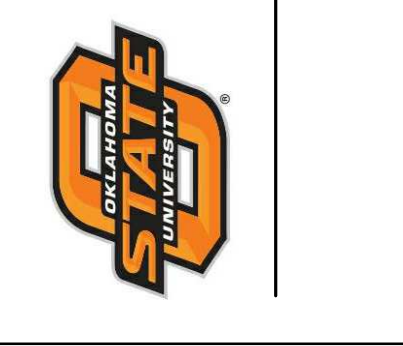
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45 South 4th Street
Fort Smith, AR 72901
479-783-2460
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SHEET KEYNOTE

- MECHANICAL UNIT. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
- MECHANICAL OPENING. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS. SEE B2 / S7.41 AND C2 / S7.41 FOR TYPICAL FRAMING.
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- OPERABLE PARTITION BELOW. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS. SEE A4 / S5.62, B4 / S5.62, C4 / S5.62, AND D4 / S5.62 FOR SUPPORT.
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- HSS4x4x1/4 WEB VERTICAL BRACE. SEE C3 / S5.53
- W12x6.
- BOTTOM FLANGE BRACING AT EQUAL SPACING, UNLESS NOTED OTHERWISE ON PLAN. SEE B1 / S5.52
- BOTTOM FLANGE BRACING AT EACH BEAM, UNLESS NOTED OTHERWISE ON PLAN. A1 / S5.52
- HSS4x4x1/4 FLANGE VERTICAL BRACE. SEE D3 / S5.53
- HSS4x4x1/4 BRACE BELOW.
- SEE B5 / S5.52 FOR BENT DBL HSS GIRT DETAIL.
- HSS3x3x1/4 OUTRIGGER. SEE A4 / S5.52
- CONTRACTOR TO COORDINATE EXACT EXTENT OF SECTION WITH ARCHITECTURAL ELEVATIONS.
- HSS VERTICAL BRACE. SEE A2 / S5.53
- COVER PLATE BEAM AT EXTENTS SHOWN. DIMENSIONS GIVEN ARE TO FACE/EDGE OF FLANGE. SEE D5 / S3.23 FOR FRAMING DETAIL.
- OUTRIGGER BEAM (STUB). SEE D5 / S3.23
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- W14x22 OUTRIGGER BEAM WITH L4x4x1/4 KNEE BRACE ATTACHMENT BELOW. SEE A2 / S5.54
- HSS8x4x1/4 SPANNING PERPENDICULAR TO FRAMING BELOW.
- RIPPED W19x17.5 TO LEVEL STAIR LANDING AND MATCH SLOPE OF ROOF.
- STRUCTURAL MEMBER SUPPORTING EXIT STAIRS. SEE LIFE SAFETY DRAWINGS FOR FIREPROOFING REQUIREMENTS.
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PROJECT PHASE:
BID PACKAGE 04

#	DATE	DESCRIPTION
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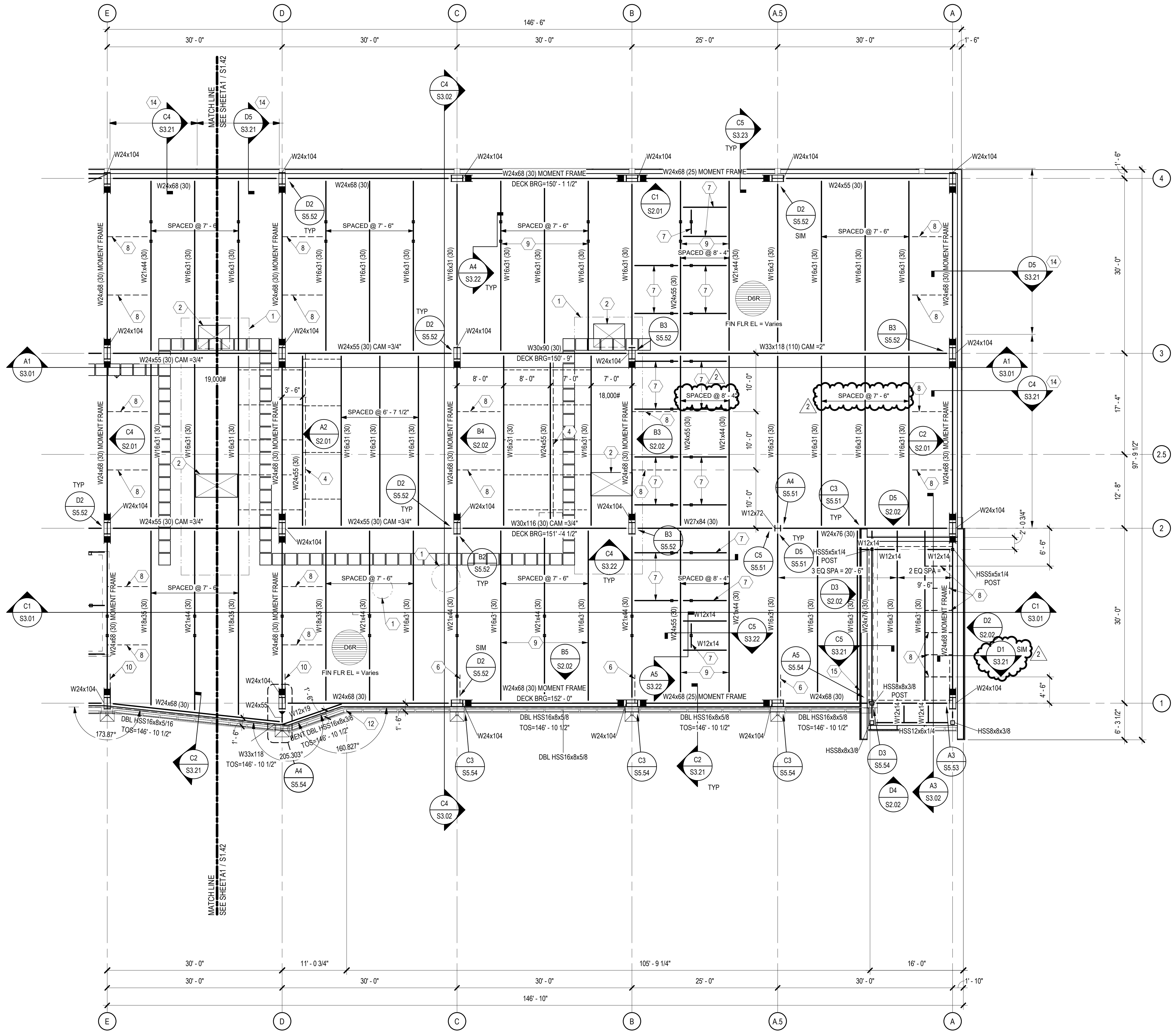
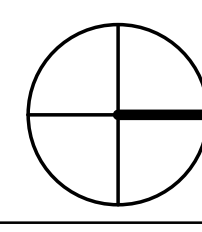
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SHEET NUMBER: S1.41

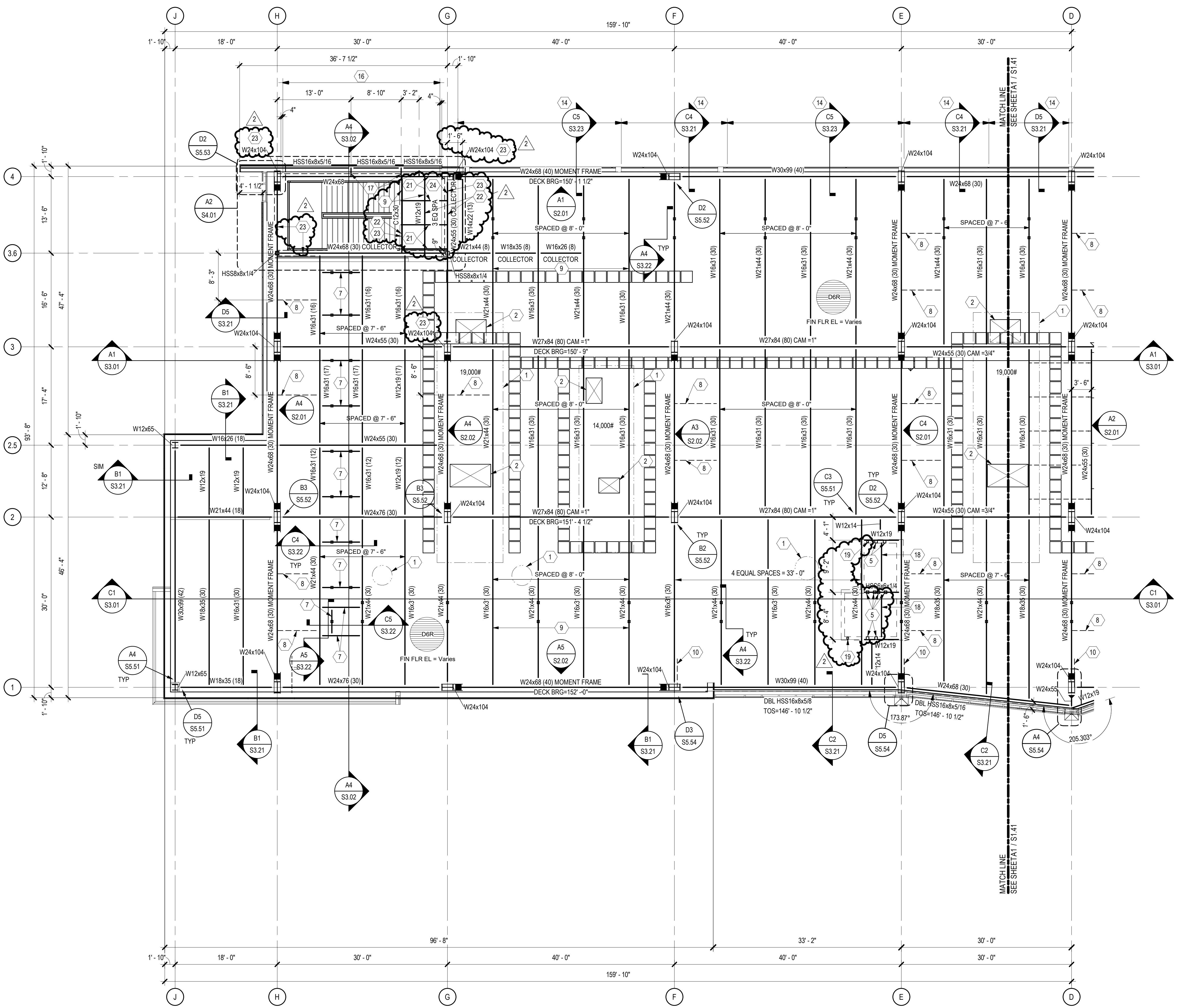
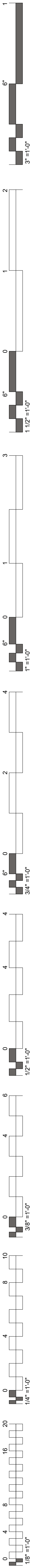
ROOF FRAMING PLAN - SECTOR 1

A1 ROOF FRAMING PLAN - SECTOR 1

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



02 01



GENERAL SHEET NOTES

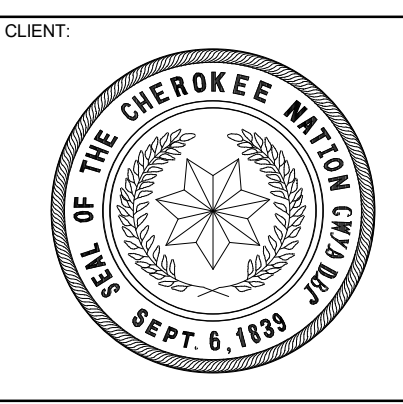
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SHEET KEYNOTE

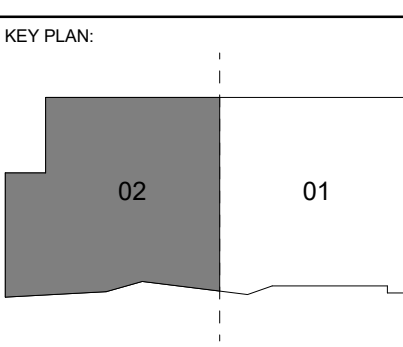
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- HSS4x4x1/4 WEB VERTICAL BRACE. SEE C3 / S5.53
- W12x26
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- HSS4x4x1/4 FLANGE VERTICAL BRACE. SEE D3 / S5.53
- HSS4x4x1/4 BRACE BELOW.
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PROJECT PHASE:
BID PACKAGE 04

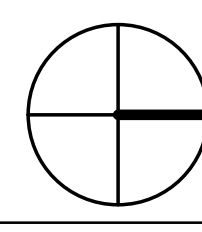
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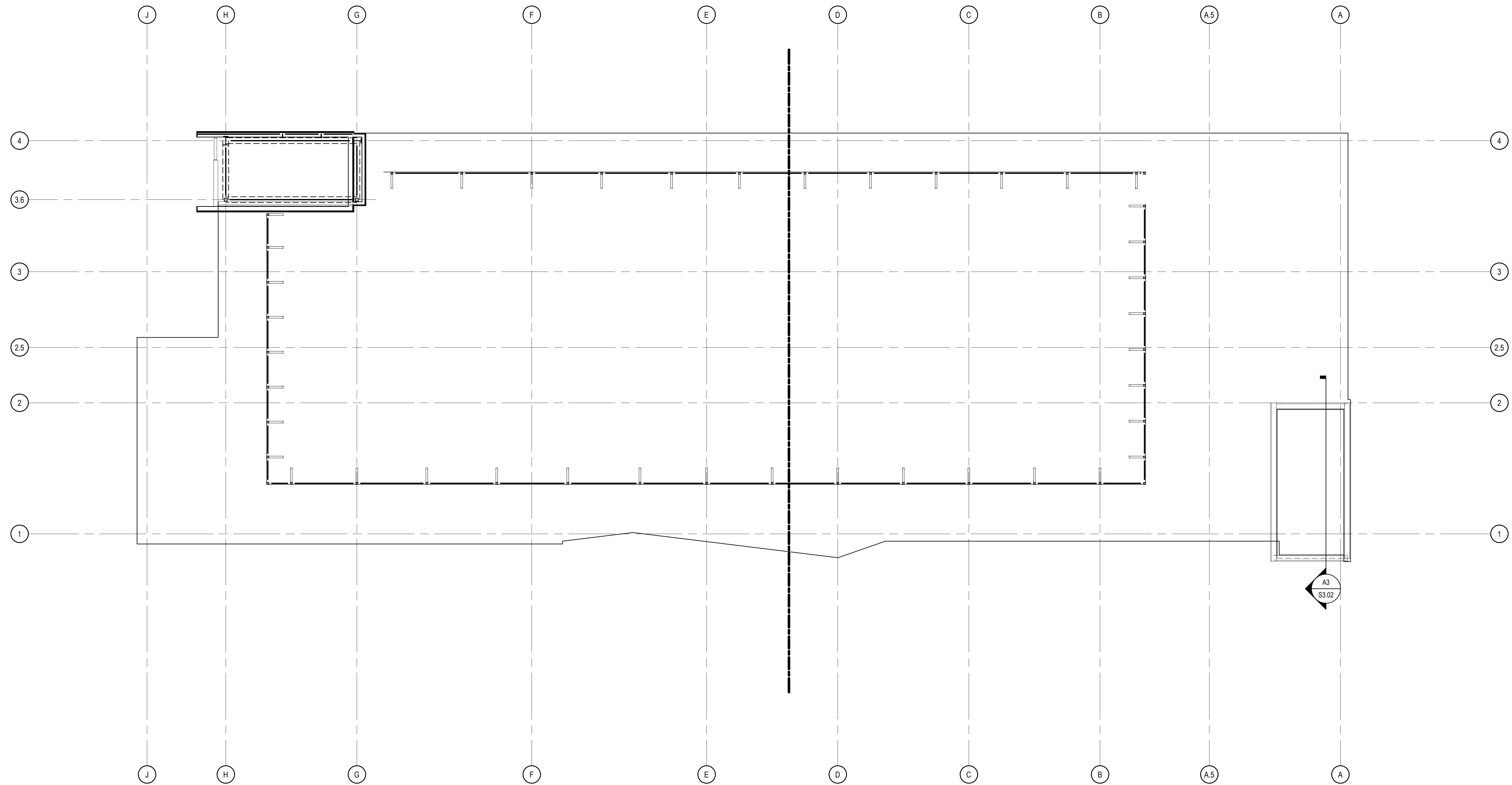
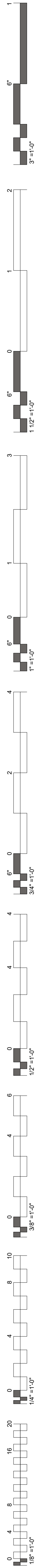
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SHEET NUMBER:
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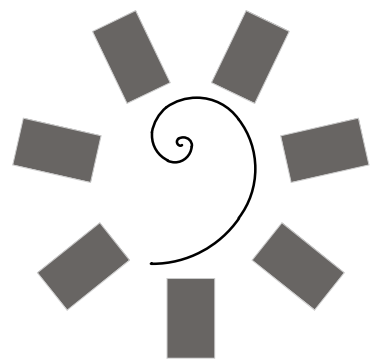
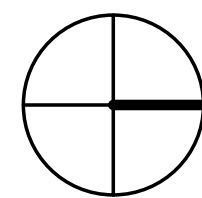
ROOF FRAMING PLAN - SECTOR 2

A1 ROOF FRAMING PLAN - SECTOR 2
SCALE: 1/8" = 1'-0"

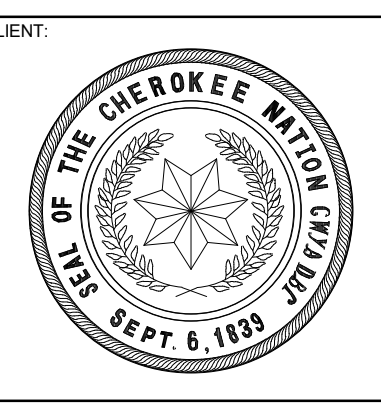




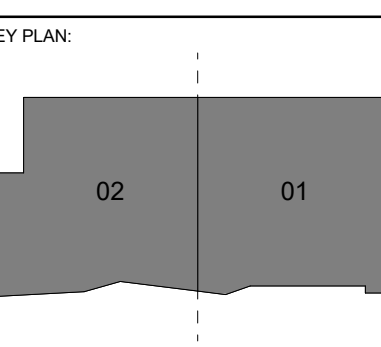
A1 HIGH ROOF FRAMING PLAN - OVERALL PLAN
SCALE: 3/32" = 1'-0"



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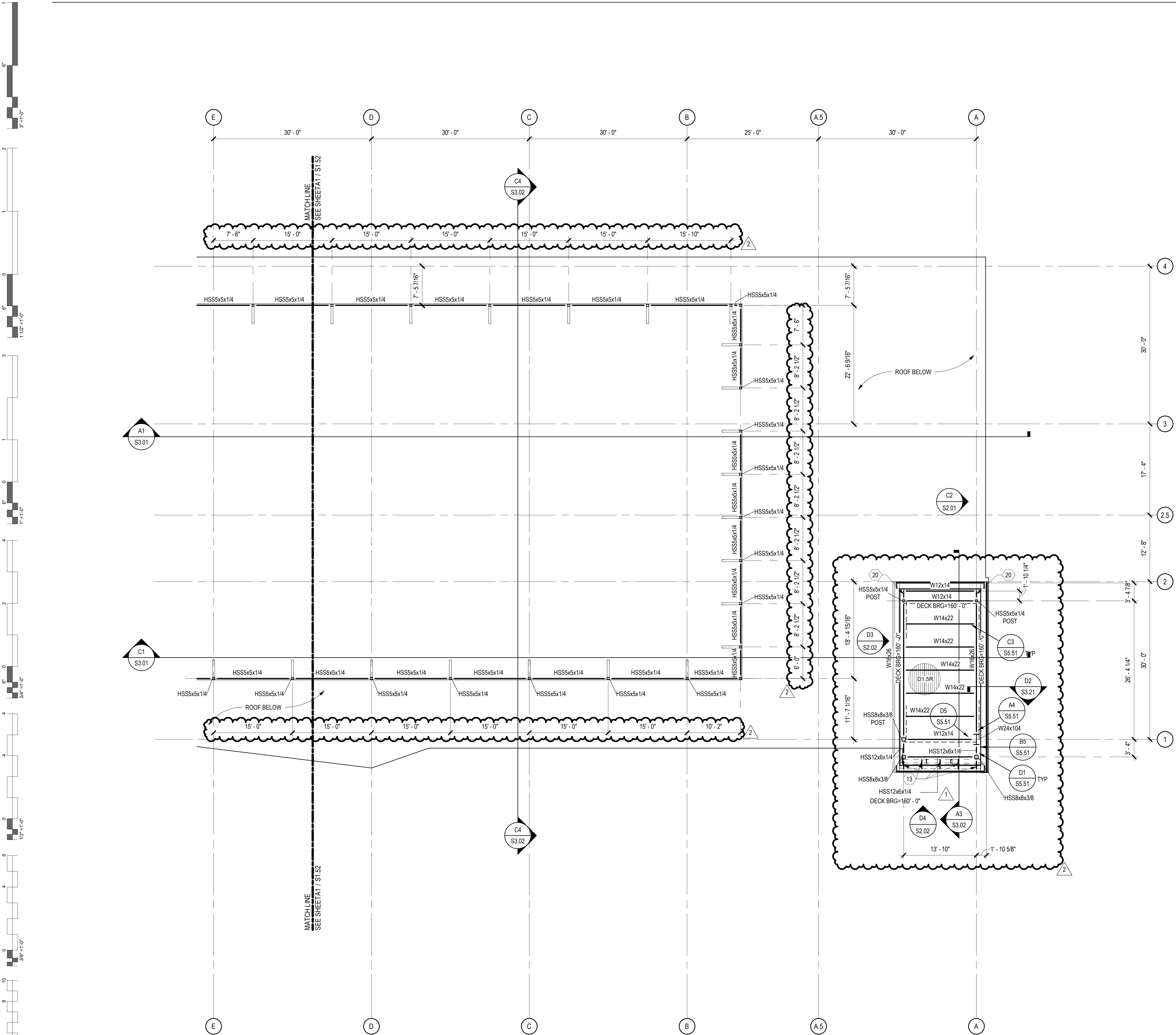
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DATE: 05-10-19 JOB NUMBER: 17-13

SHEET NUMBER:
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HIGH ROOF FRAMING
PLAN - OVERALL PLAN

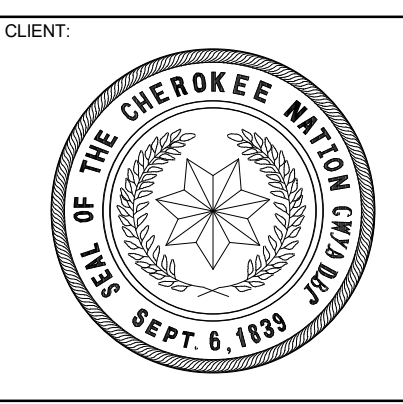


GENERAL SHEET NOTES

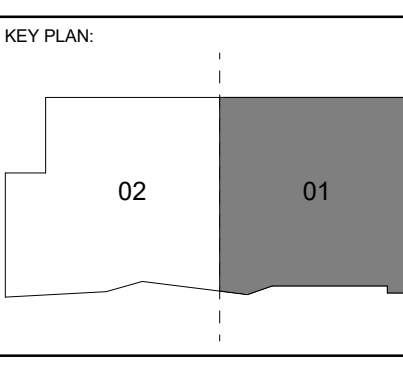
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SHEET KEYNOTE

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- HSS4x4x1/4 WEB VERTICAL BRACE, SEE C3 / S5.53.
- W12x26.
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- HSS4x4x1/4 FLANGE VERTICAL BRACE, SEE D3 / S5.53.
- HSS4x4x1/4 BRACE BELOW.
- SEE B5 / S5.52 FOR BENT DBL HSS GIRT DETAIL.
- HSS3x3x1/4 OUTRIGGER. SEE A4 / S5.52.
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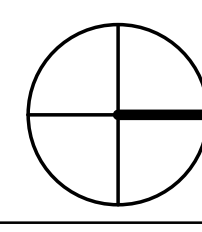
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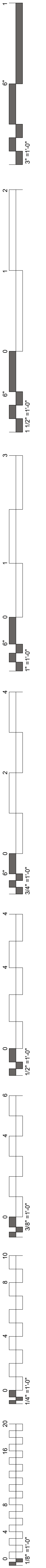
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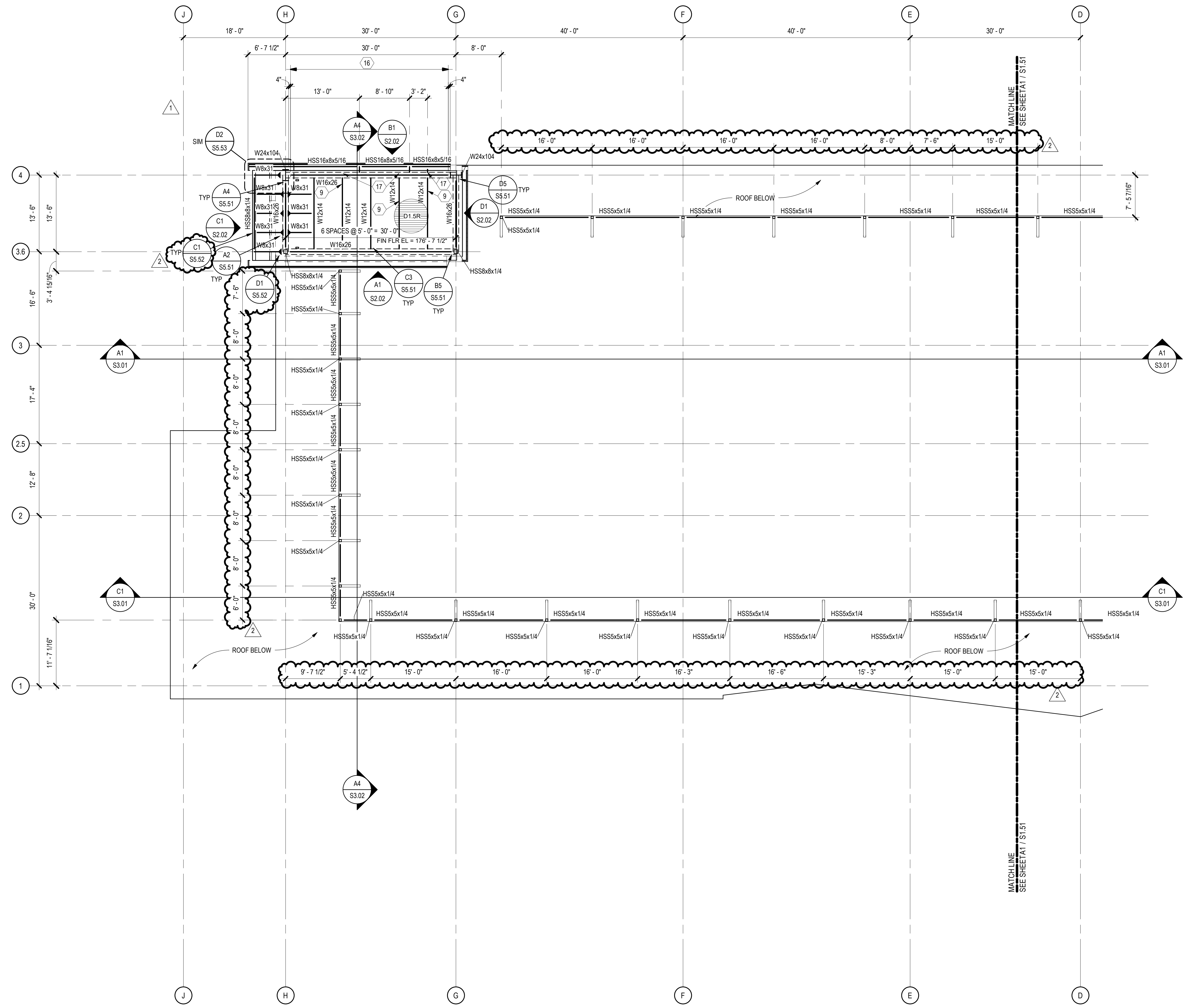
HIGH ROOF FRAMING
PLAN - SECTOR 1

A1 HIGH ROOF FRAMING PLAN - SECTOR 1
SCALE: 1/8" = 1'-0"





A1 HIGH ROOF FRAMING PLAN - SECTOR 2
SCALE: 1/8" = 1'-0"

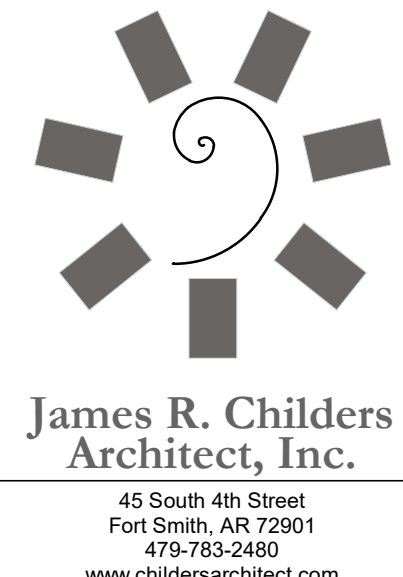


GENERAL SHEET NOTES

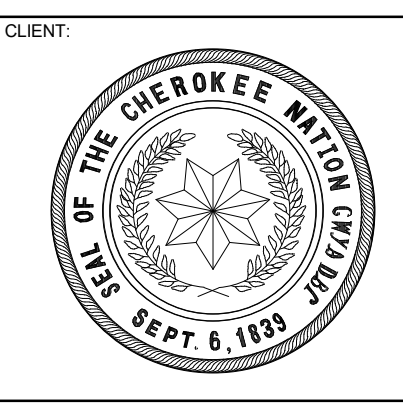
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SHEET KEYNOTE

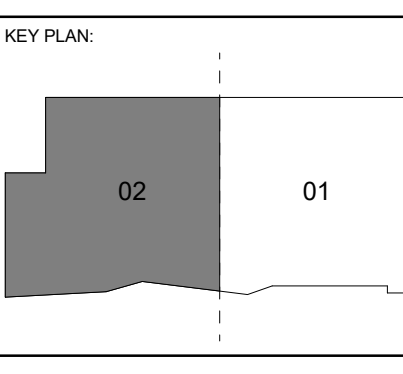
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- BOTTOM FLANGE BRACING AT EACH BEAM. UNLESS NOTED OTHERWISE ON PLAN A1 / S5.52
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- HSS4x4x1/4 BRACE BELOW.
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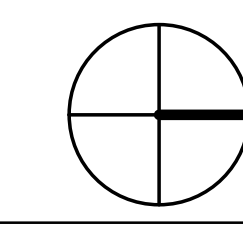
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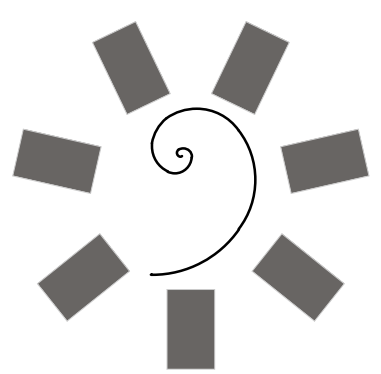
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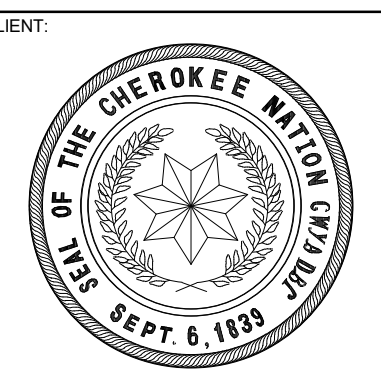
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HIGH ROOF FRAMING PLAN - SECTOR 2

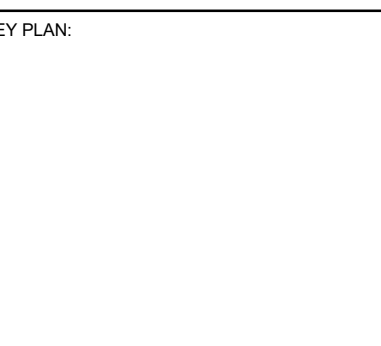




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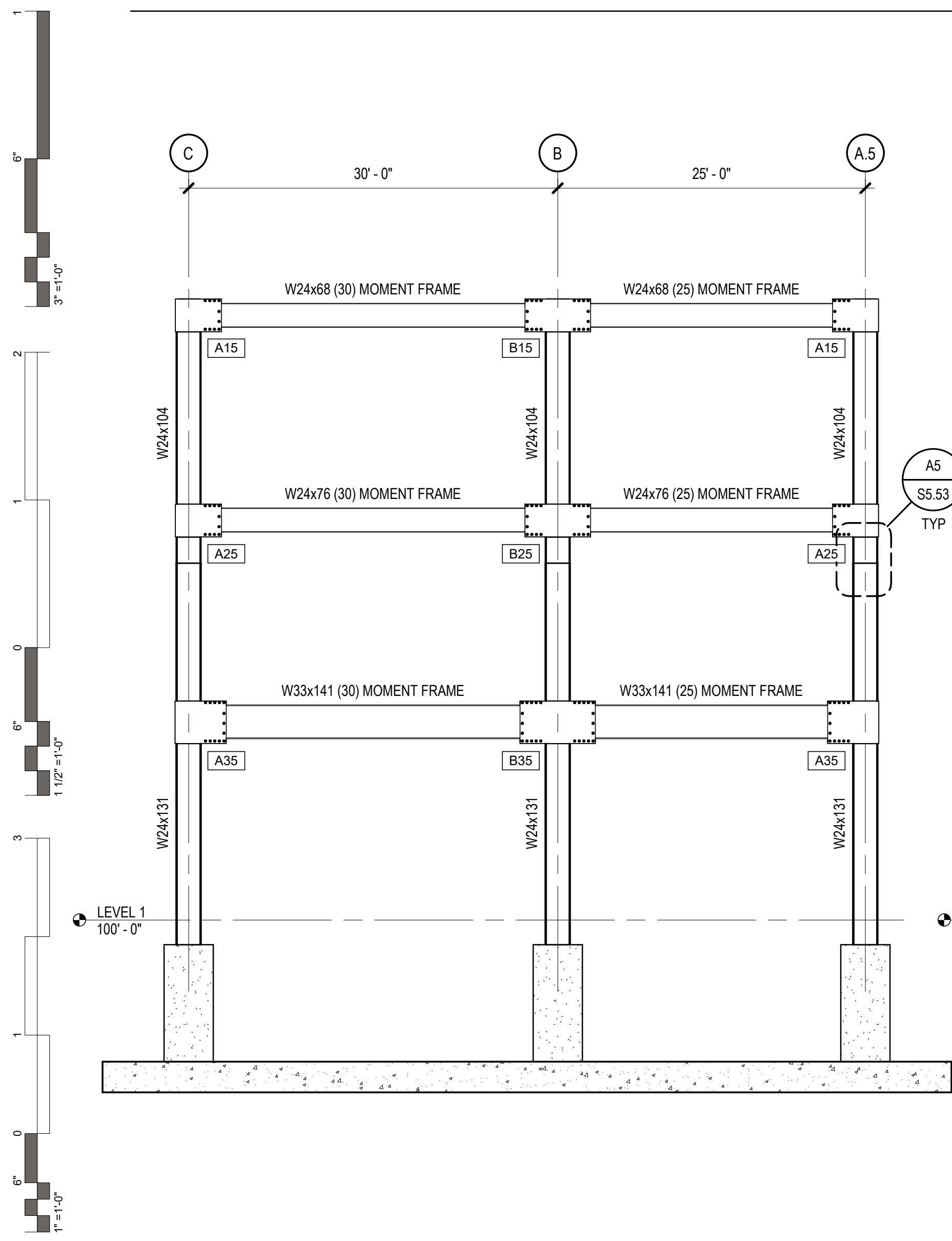
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#	DATE	REVISIONS	DESCRIPTION
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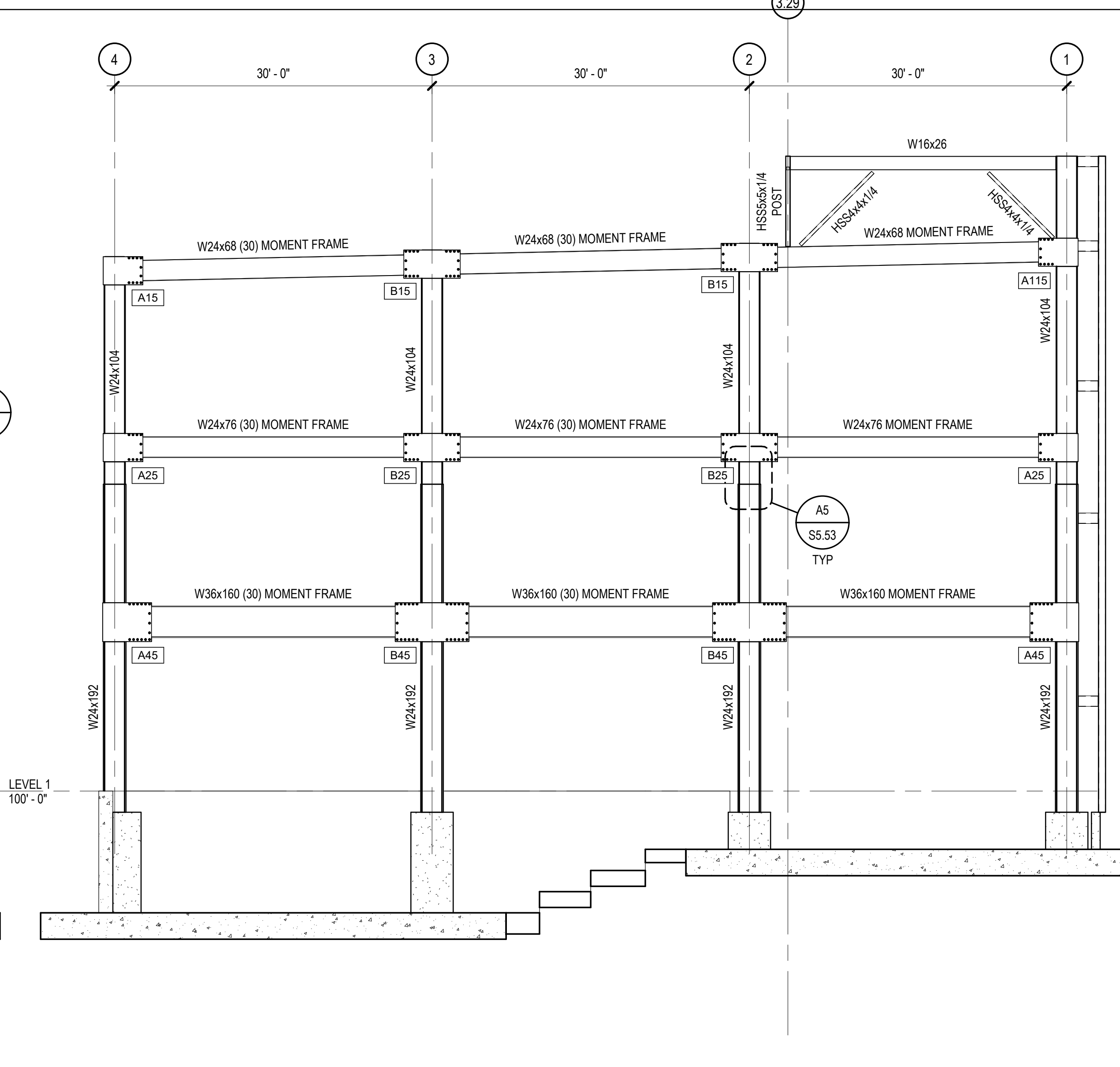
DATE: 03-20-19 JOB NUMBER: 17-13

SHEET NUMBER:
S2.01

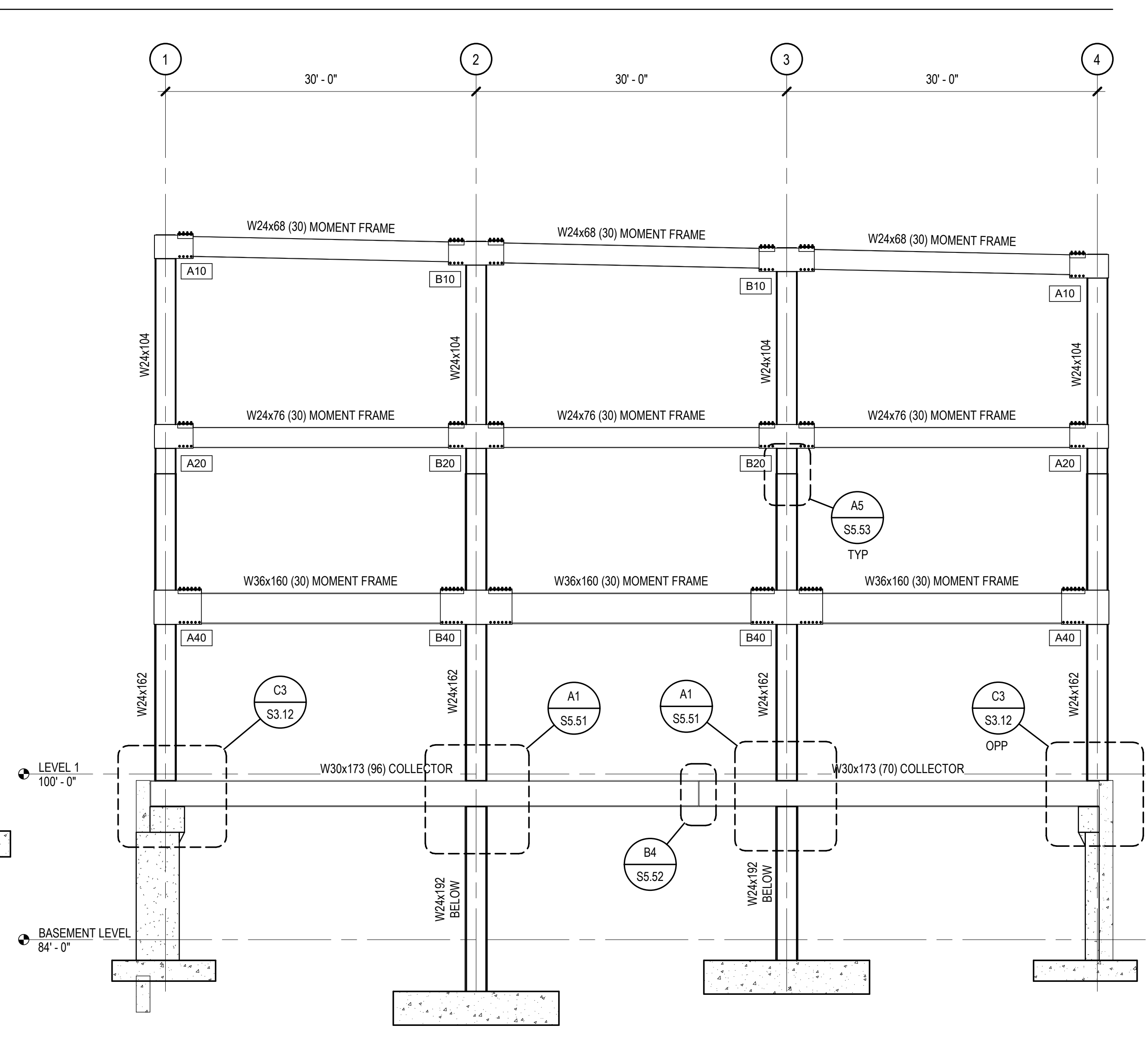
MOMENT FRAME ELEVATIONS



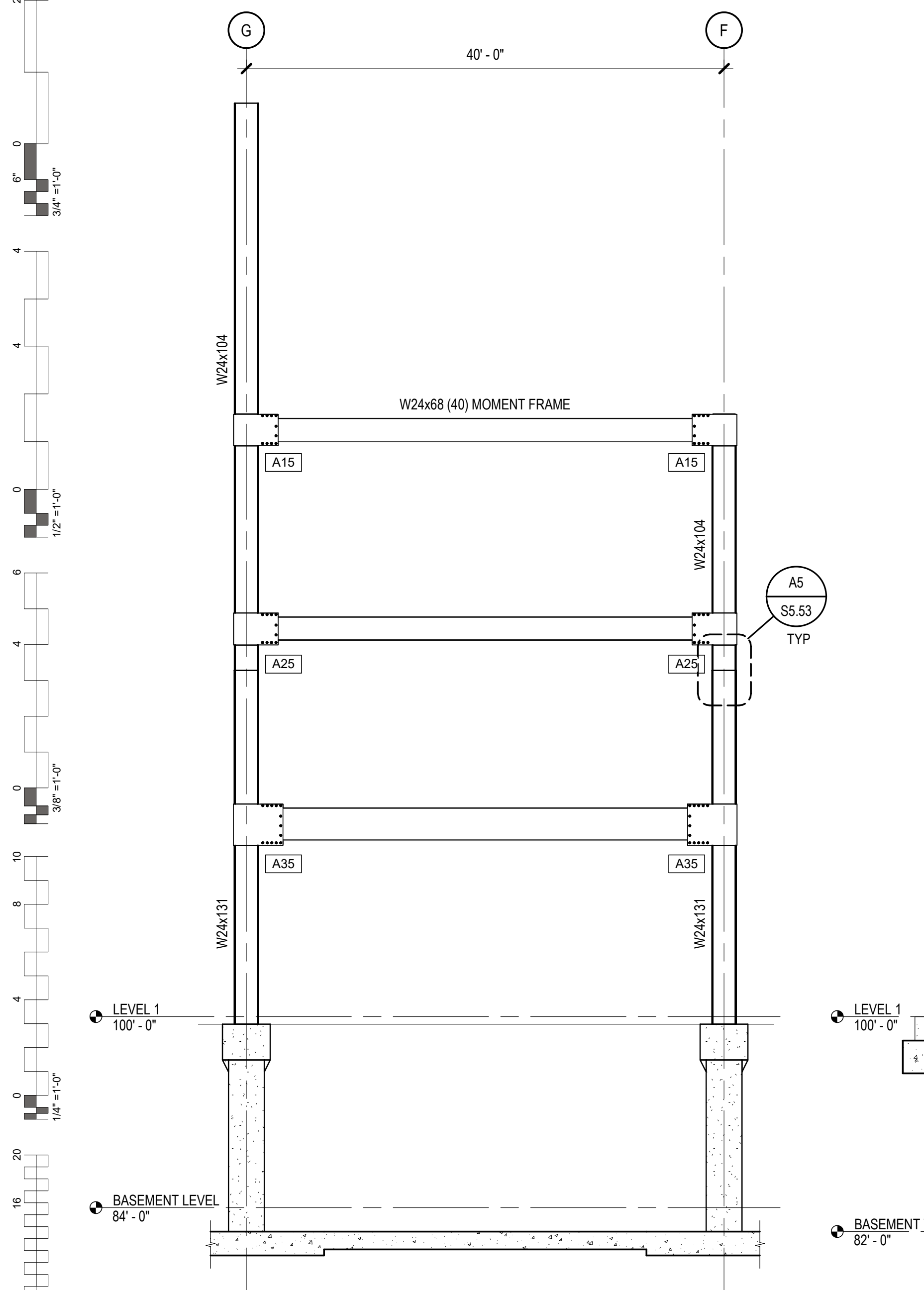
C1 MOMENT FRAME ELEVATION - GRID 4
SCALE: 1/8" = 1'-0"



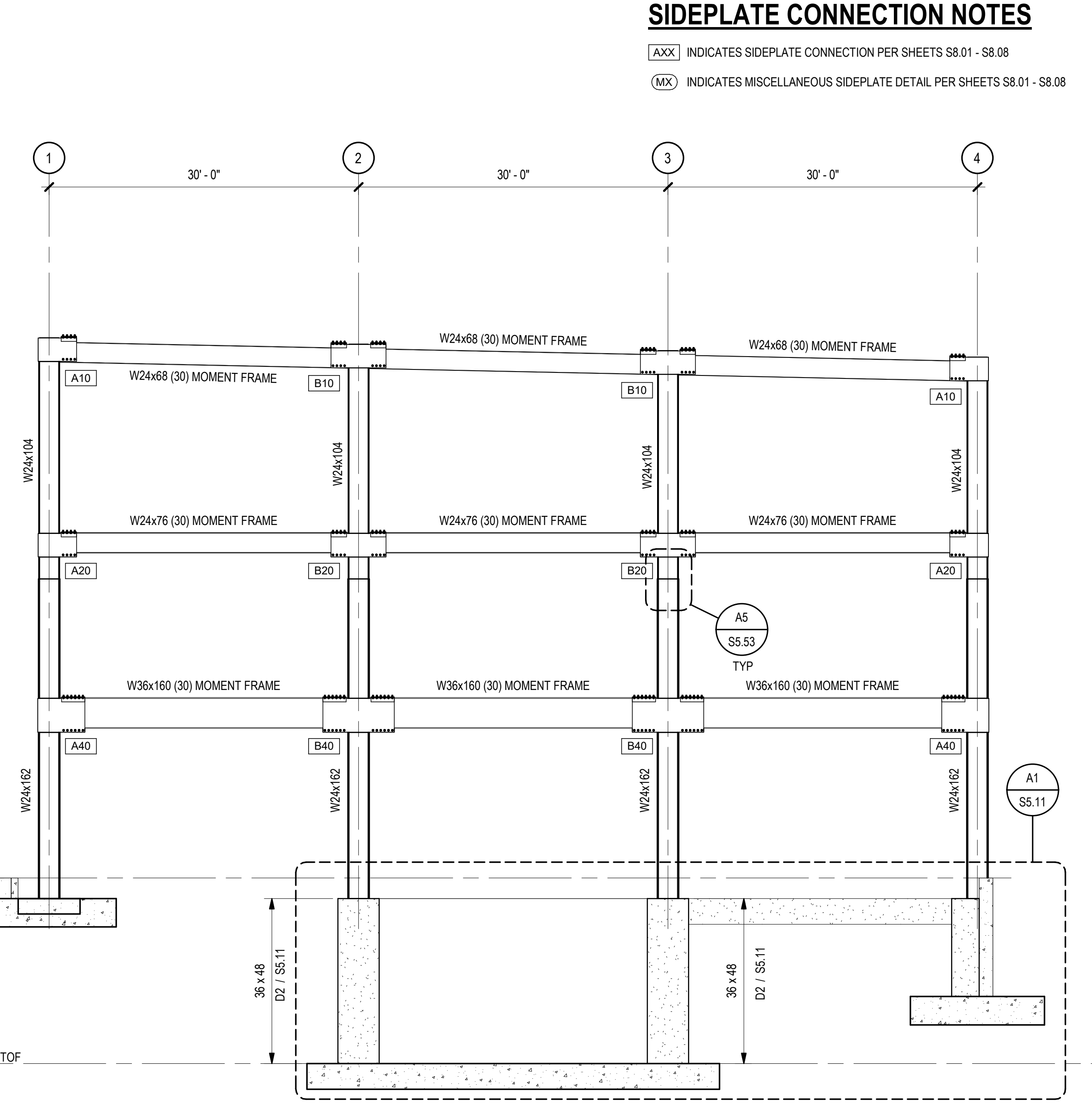
C2 MOMENT FRAME ELEVATION - GRID A
SCALE: 1/8" = 1'-0"



C4 MOMENT FRAME ELEVATION - GRID E
SCALE: 1/8" = 1'-0"



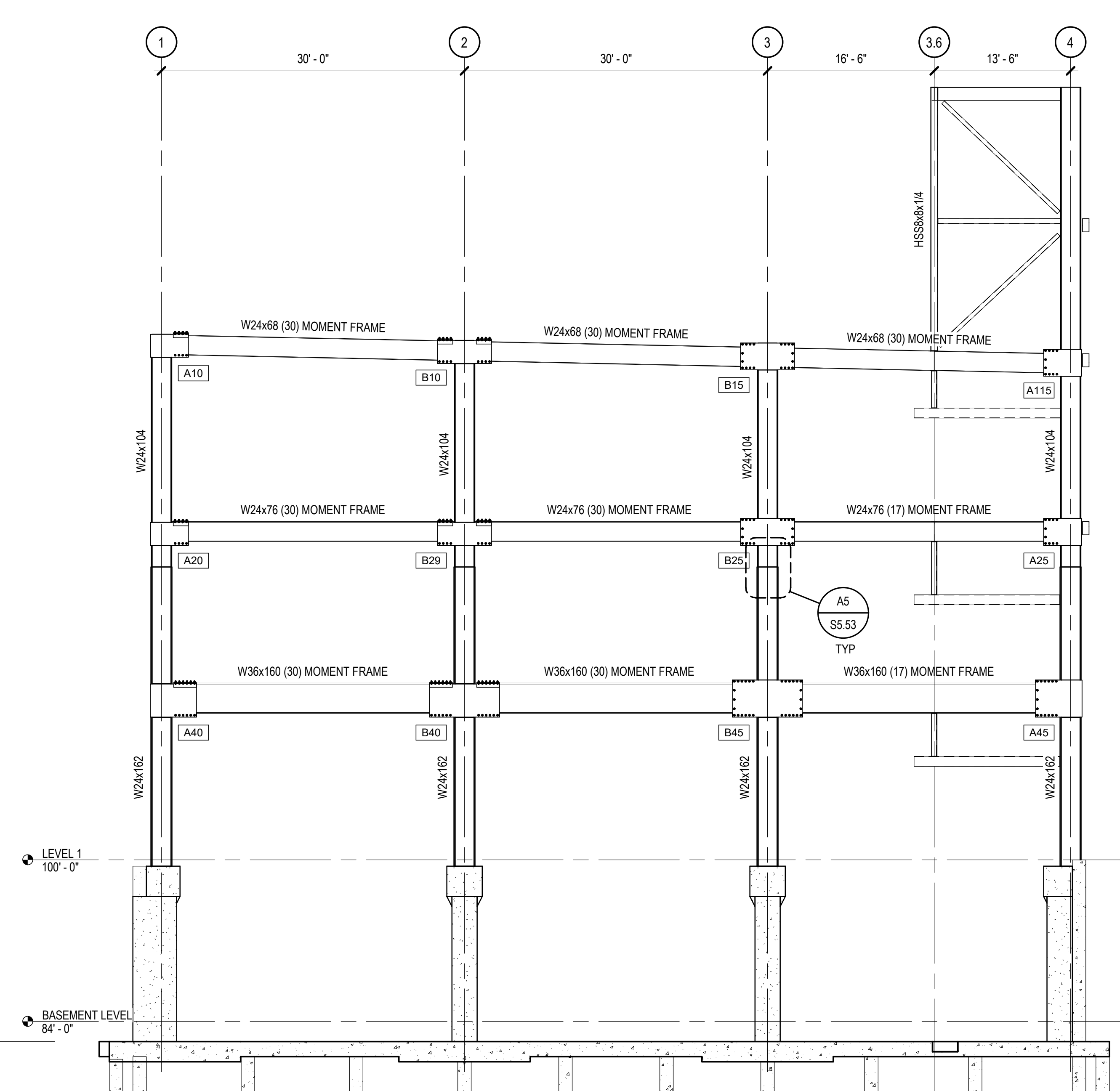
A1 MOMENT FRAME ELEVATION - GRID 4
SCALE: 1/8" = 1'-0"



A2 MOMENT FRAME ELEVATION - GRID D
SCALE: 1/8" = 1'-0"

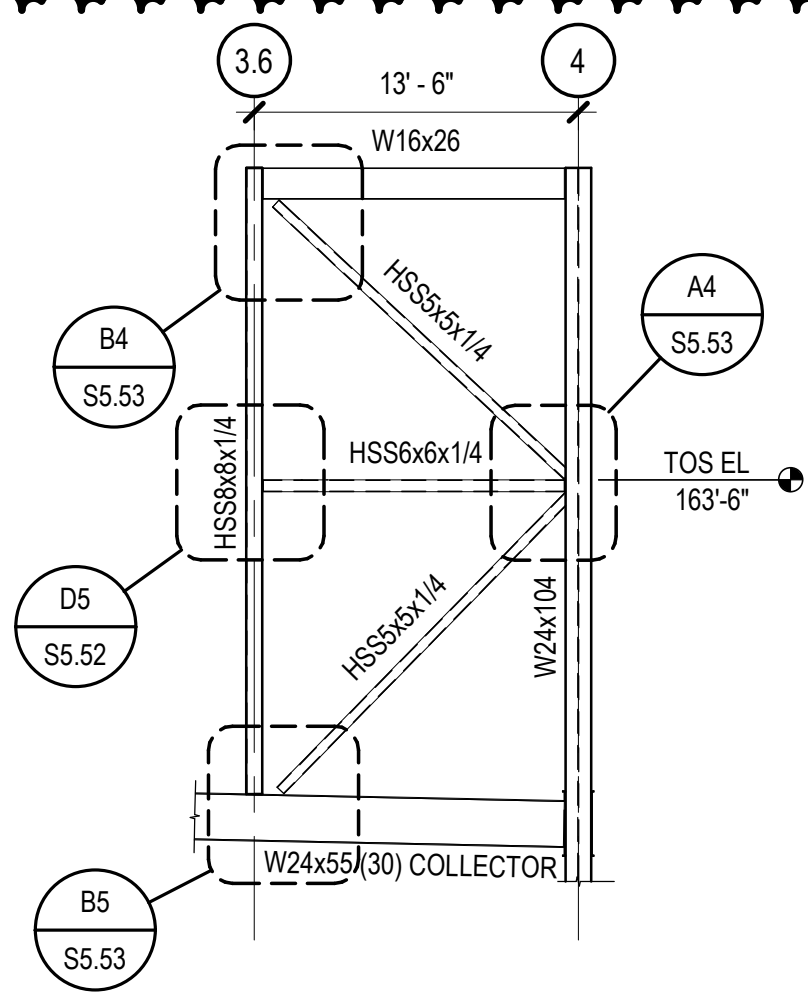
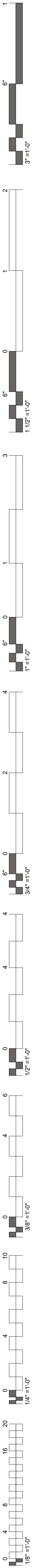
SIDEPLATE CONNECTION NOTES

- [AXX] INDICATES SIDEPLATE CONNECTION PER SHEETS S8.01 - S8.08
- [MX] INDICATES MISCELLANEOUS SIDEPLATE DETAIL PER SHEETS S8.01 - S8.08

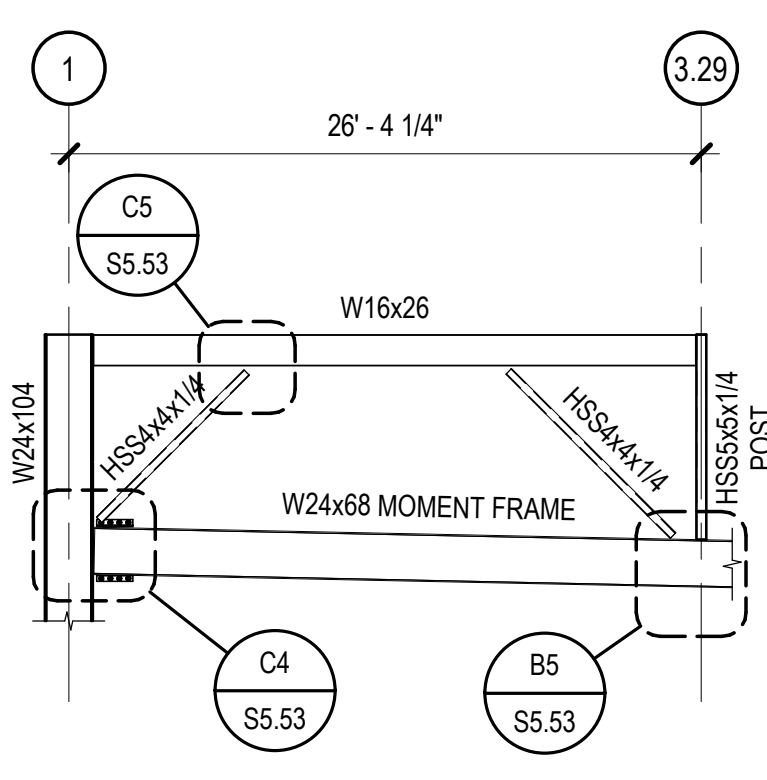


A4 MOMENT FRAME ELEVATION - GRID H
SCALE: 1/8" = 1'-0"

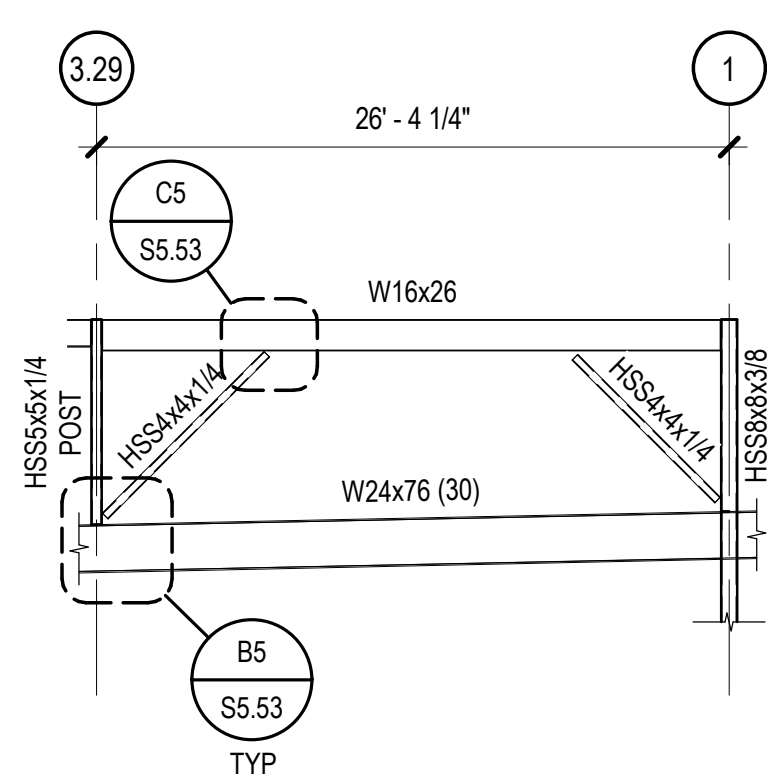
ENTIRE SHEET REVISED



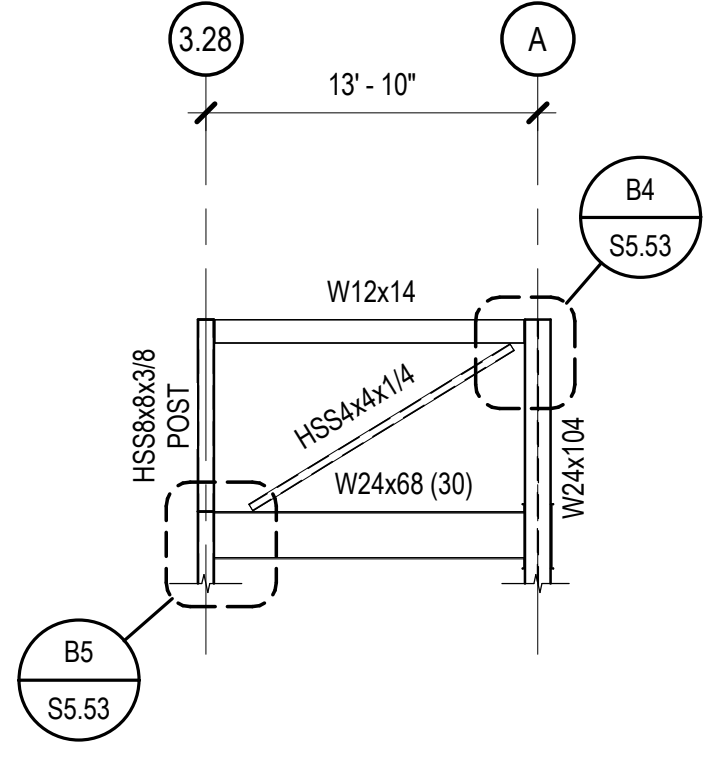
D1 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"



D2 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"



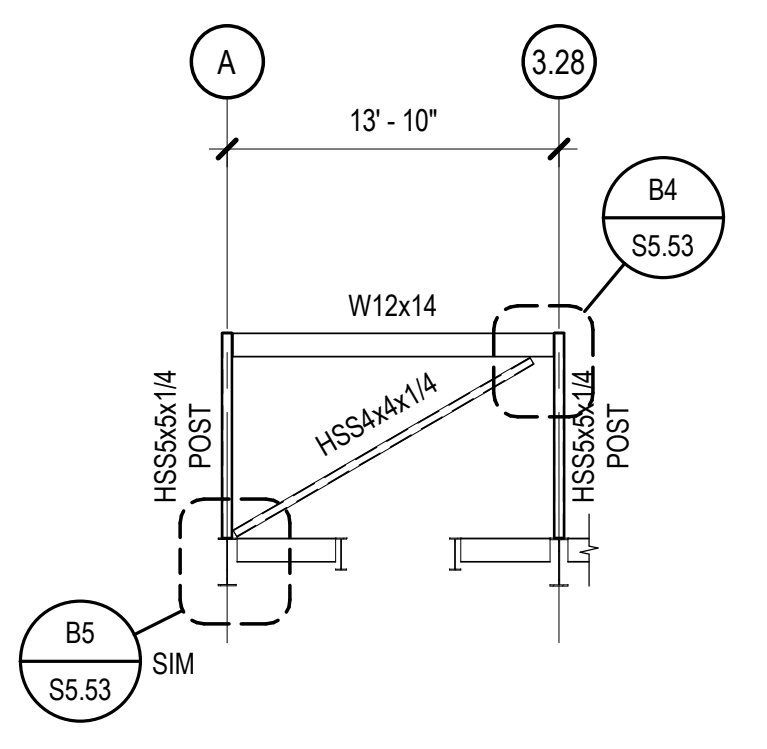
D3 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"



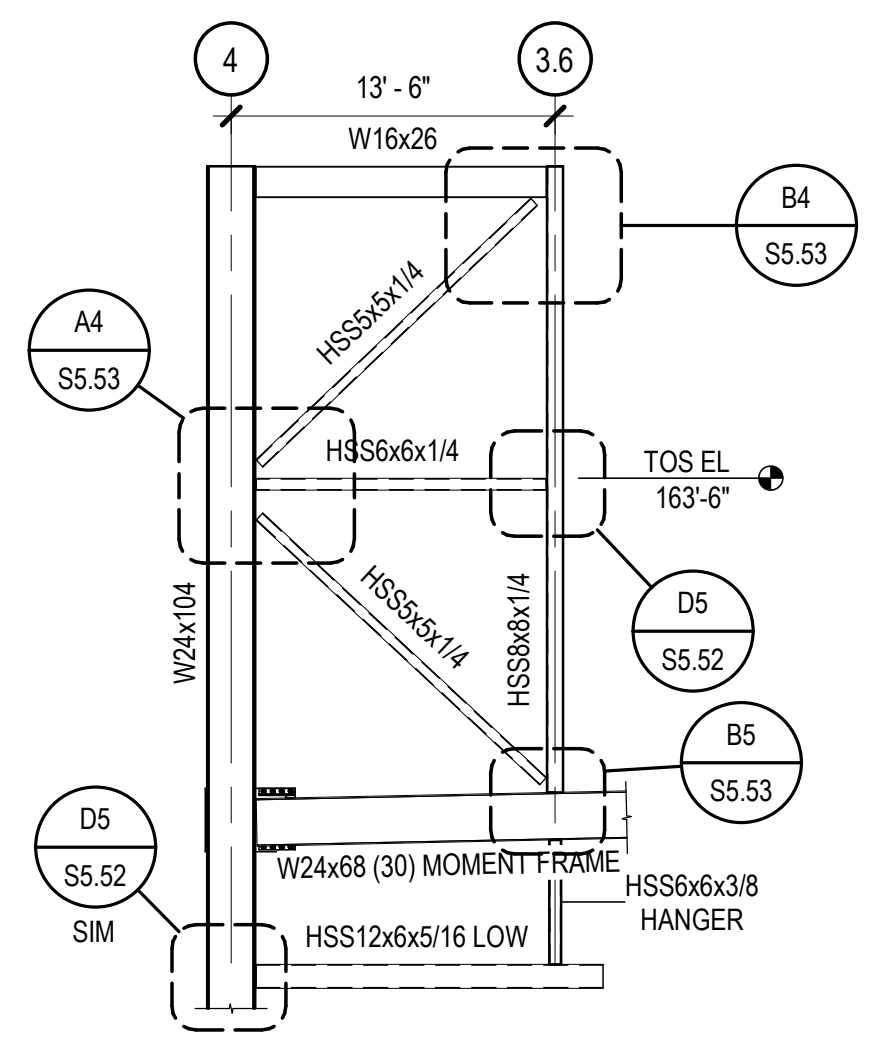
D4 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"

SIDEPLATE CONNECTION NOTES

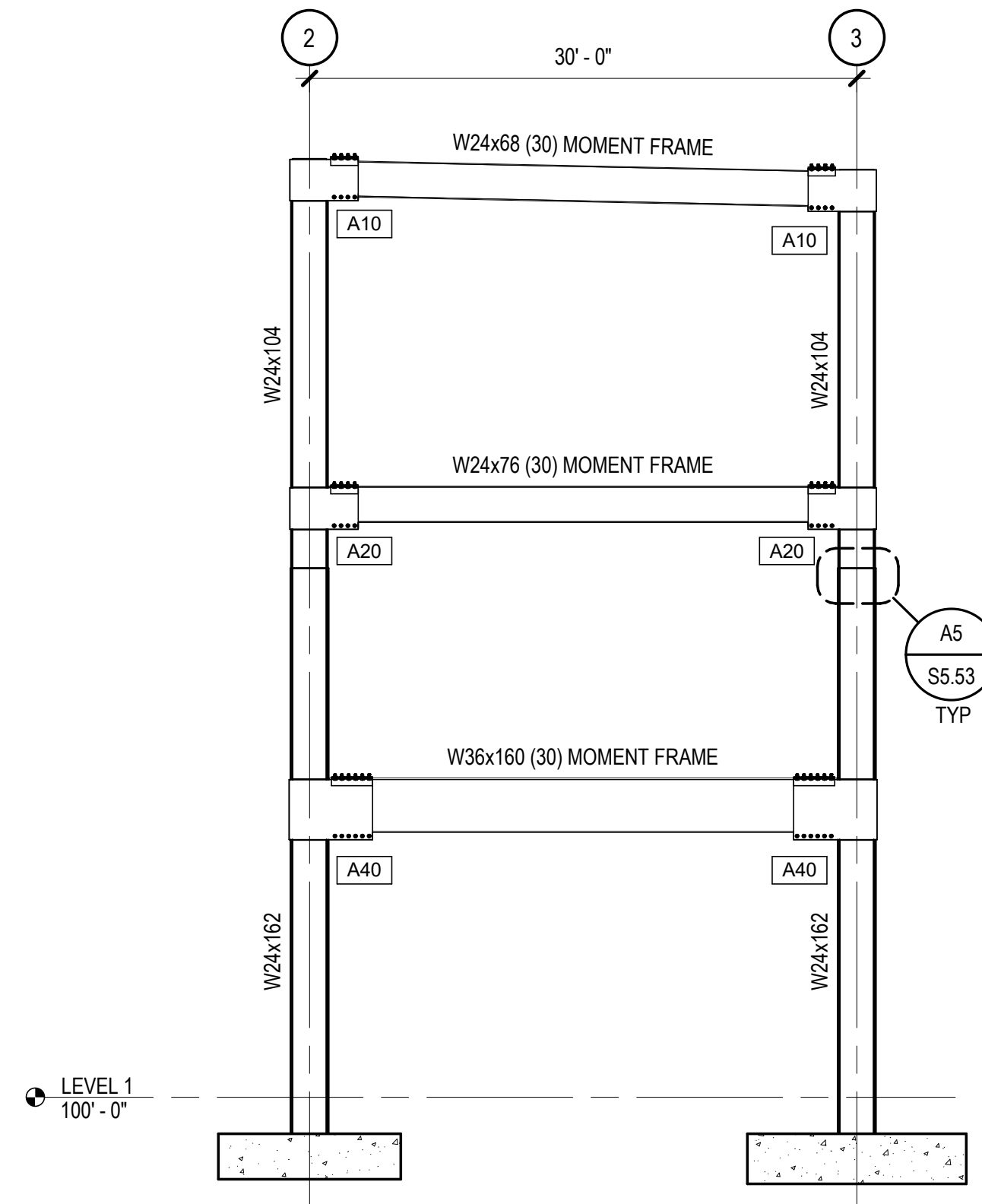
[AXX] INDICATES SIDEPLATE CONNECTION PER SHEETS S8.01 - S8.08
[MX] INDICATES MISCELLANEOUS SIDEPLATE DETAIL PER SHEETS S8.01 - S8.08



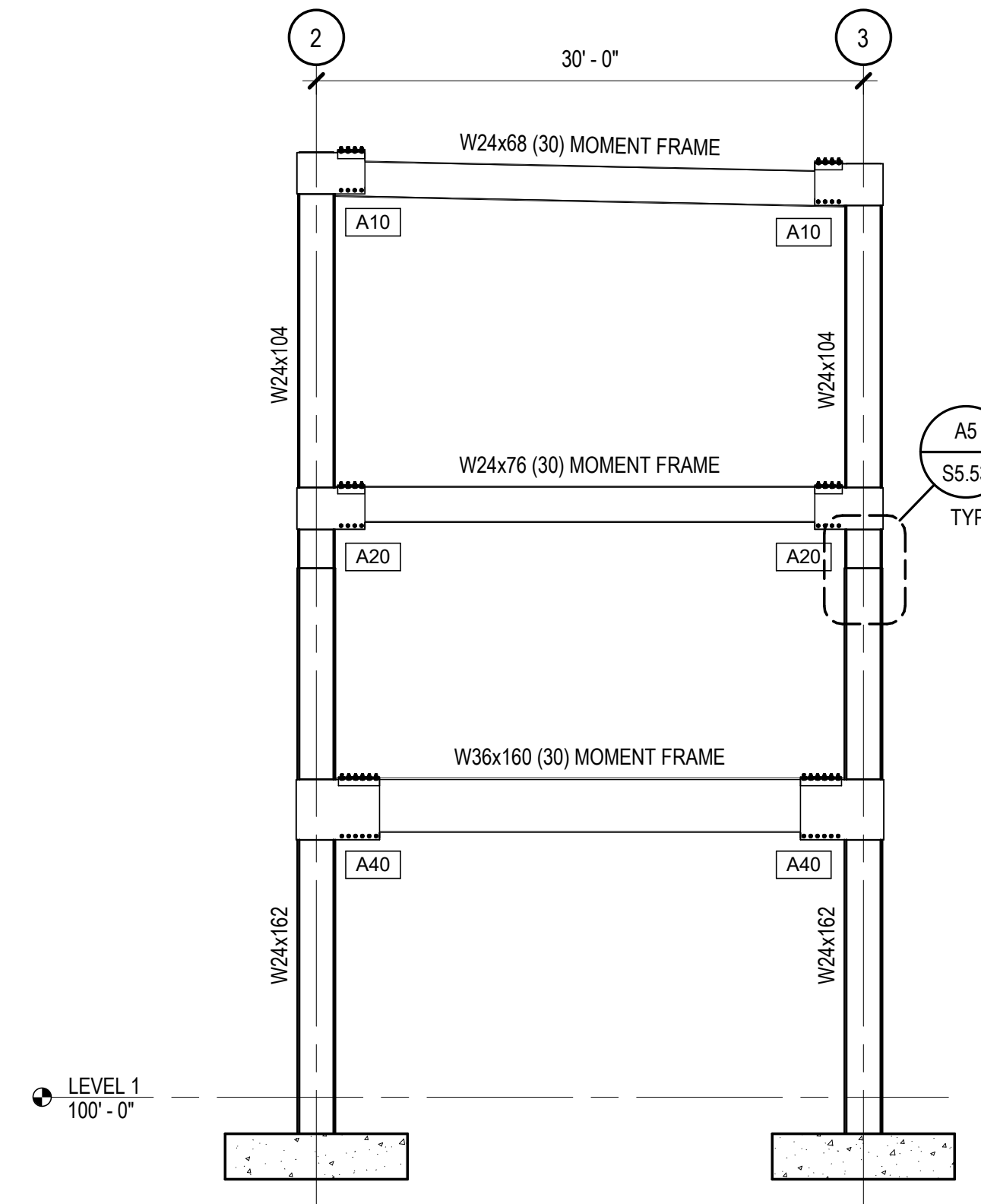
D5 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"



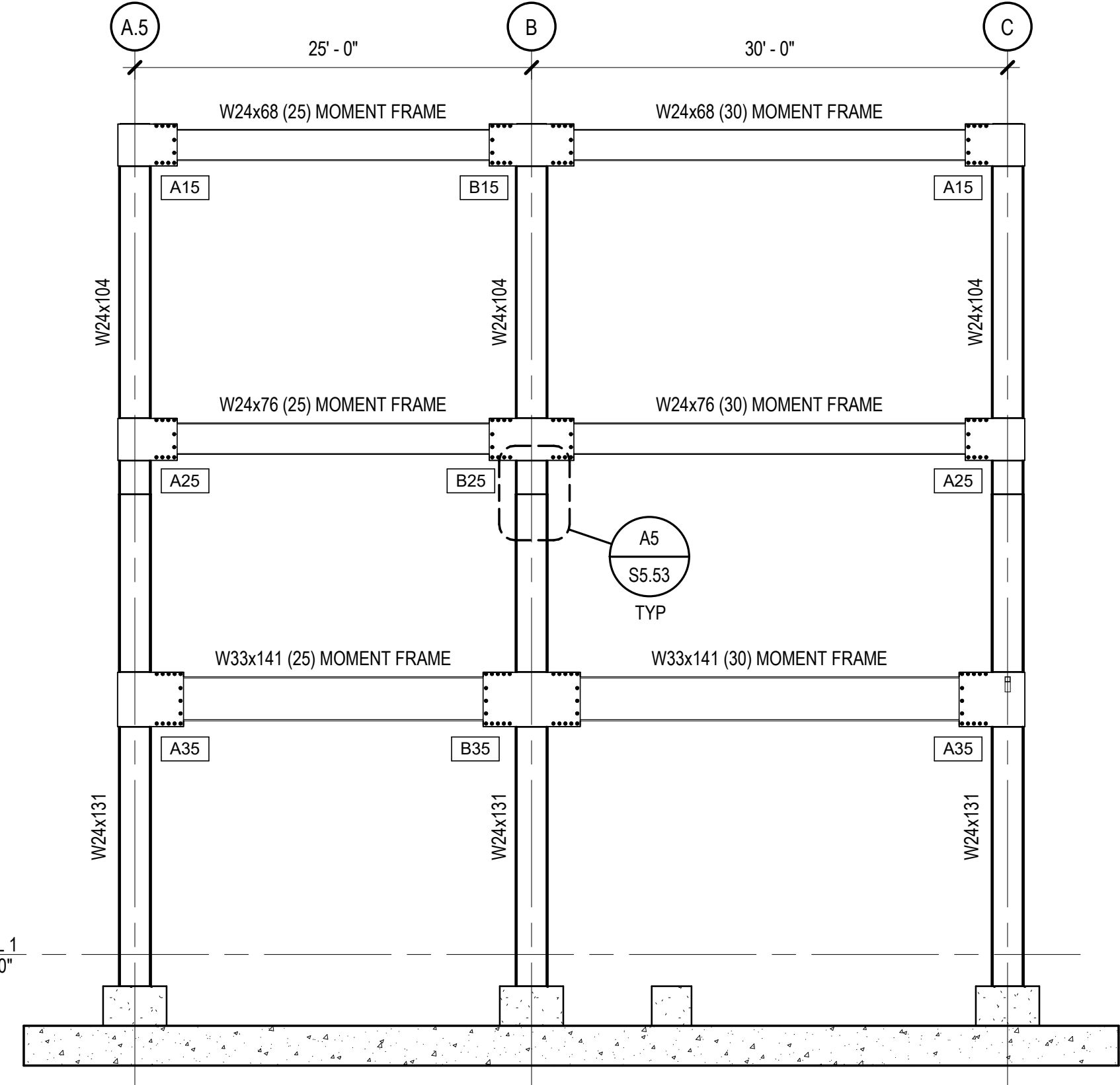
C1 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"



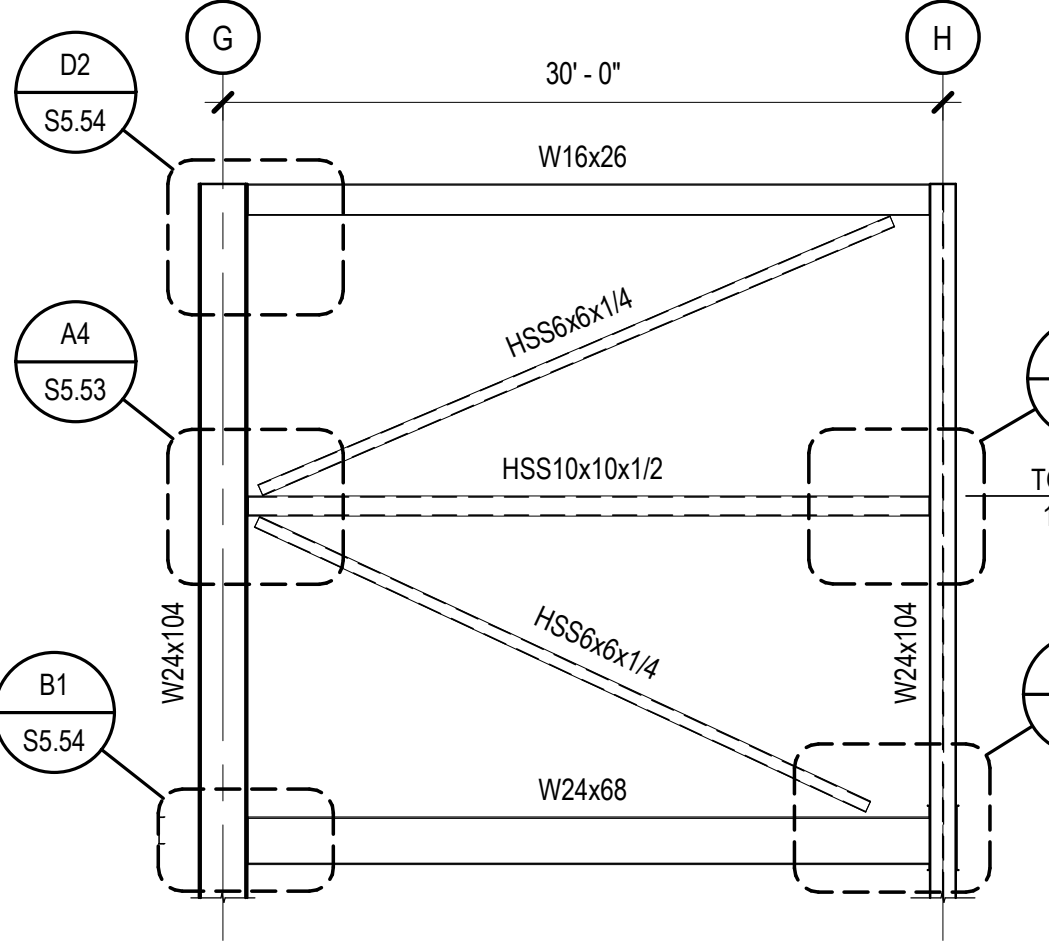
B3 MOMENT FRAME ELEVATION - GRID B
SCALE: 1/8" = 1'-0"



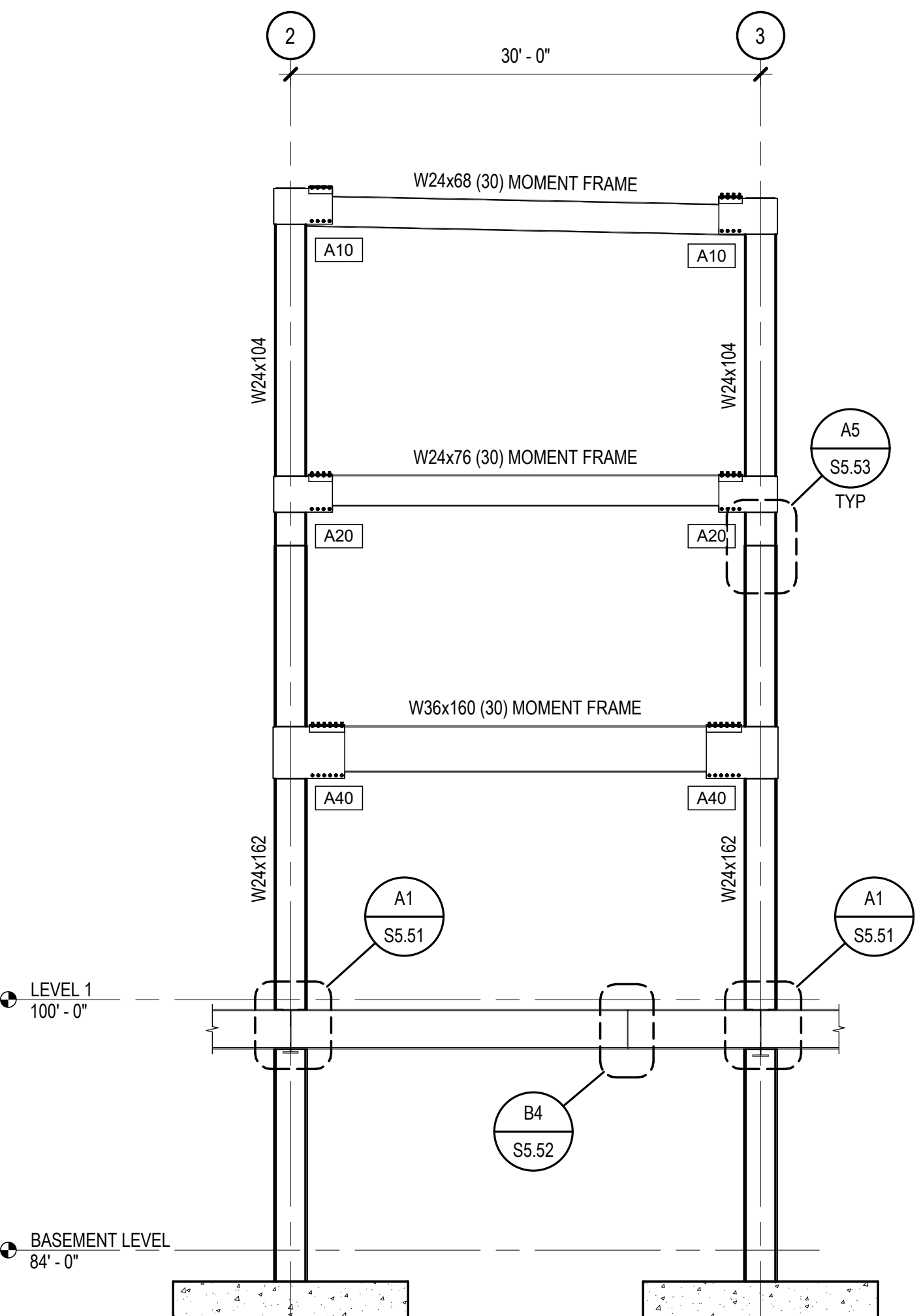
B4 MOMENT FRAME ELEVATION - GRID C
SCALE: 1/8" = 1'-0"



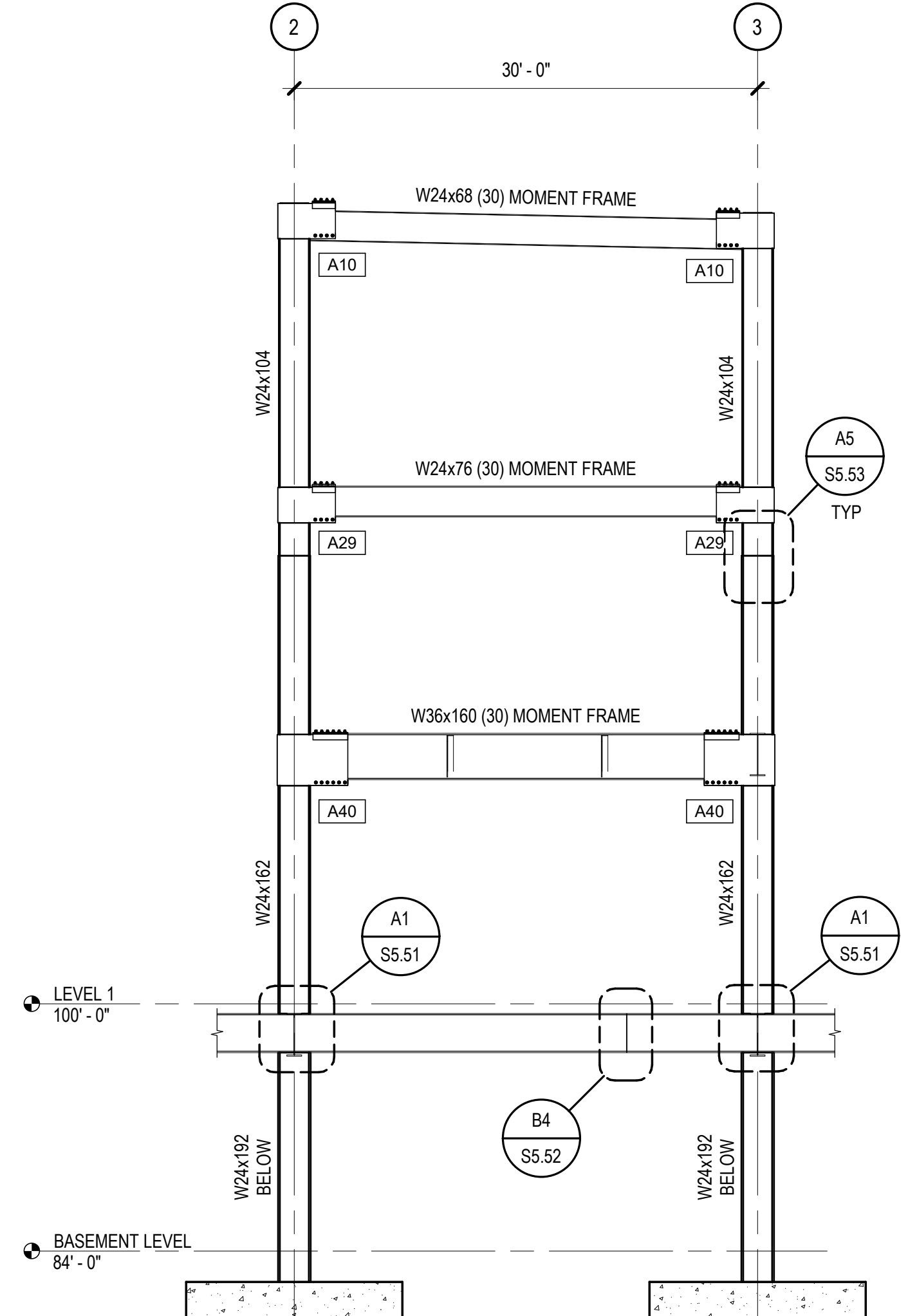
B5 MOMENT FRAME ELEVATION - GRID 1
SCALE: 1/8" = 1'-0"



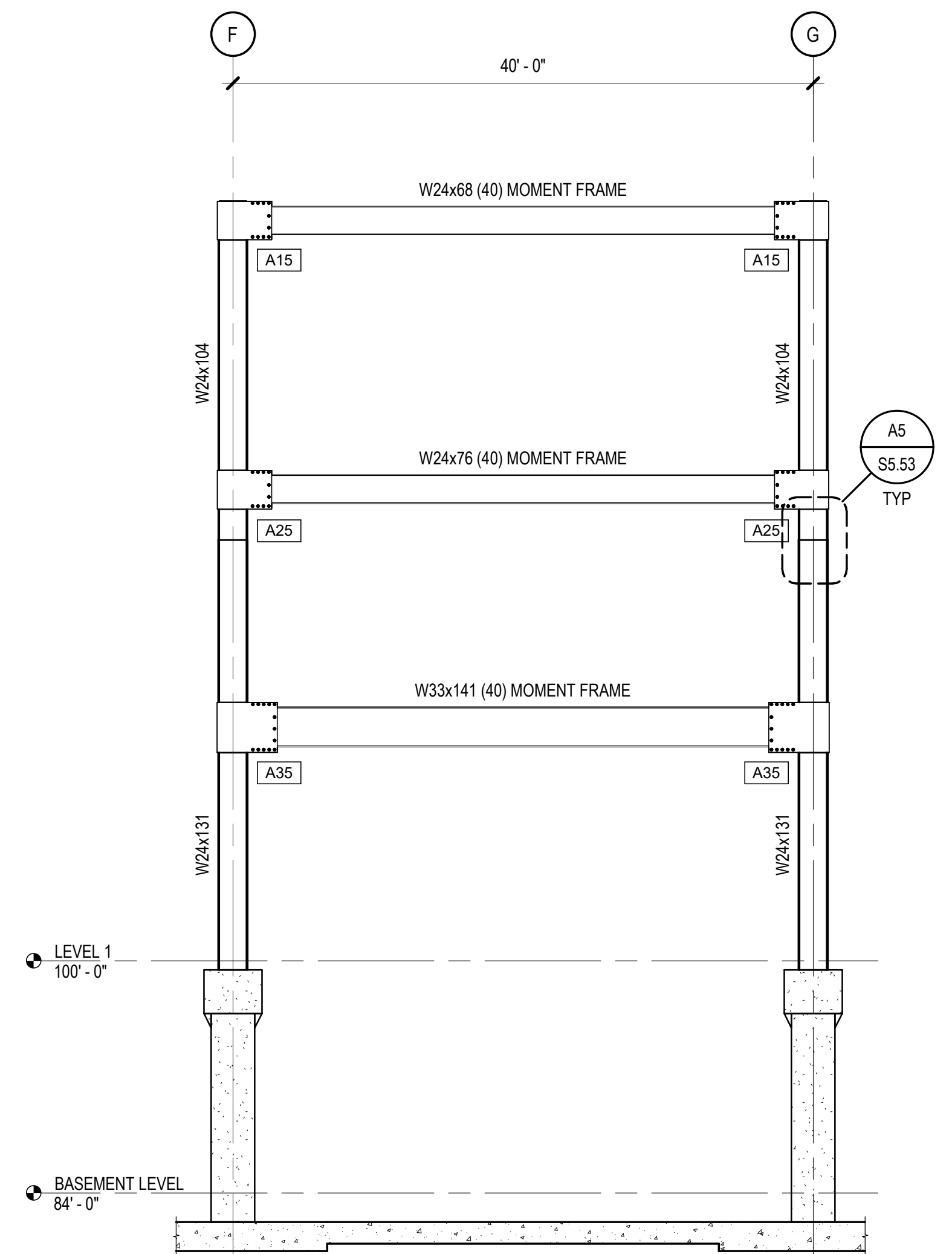
B1 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"



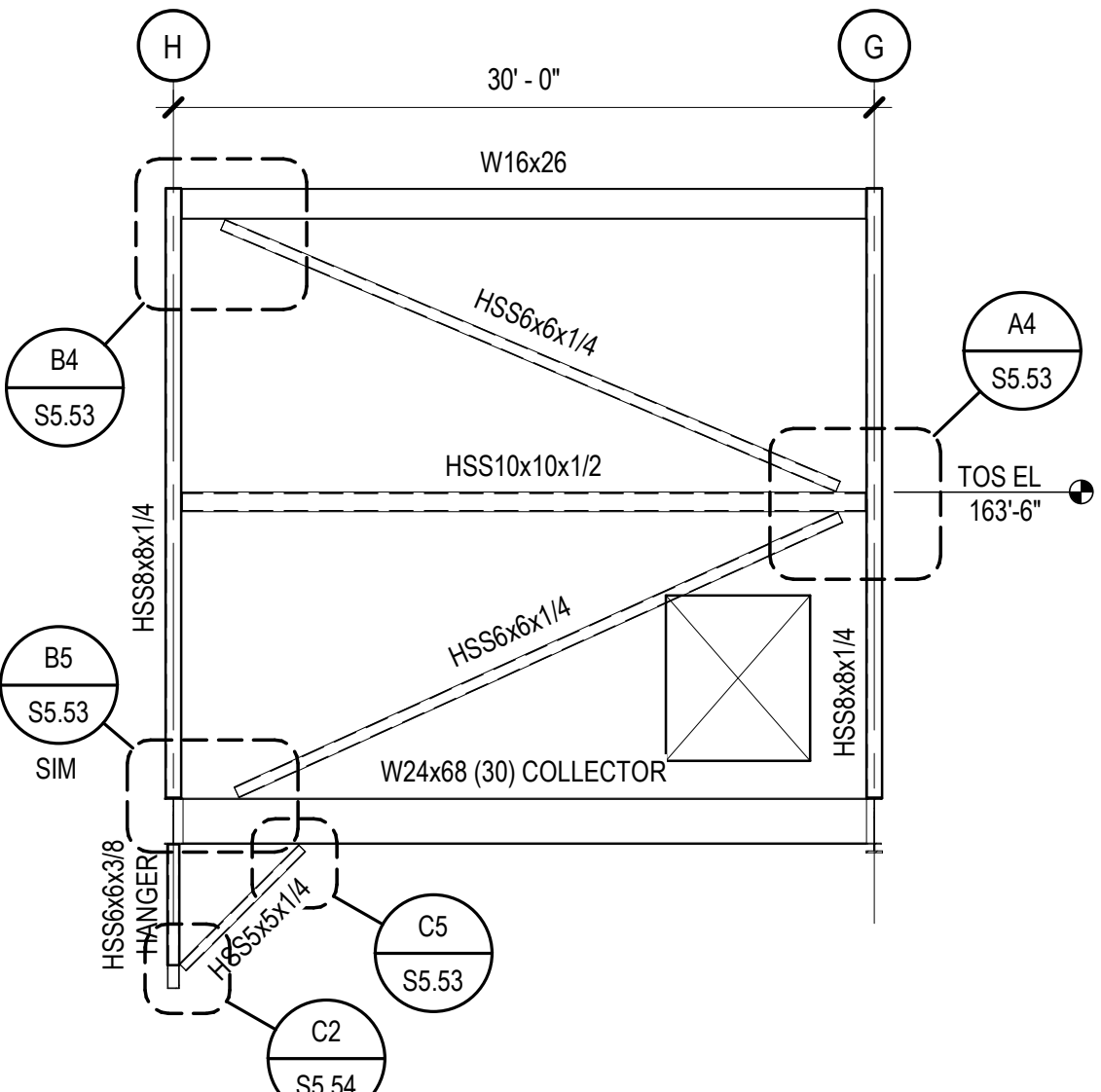
A3 MOMENT FRAME ELEVATION - GRID F
SCALE: 1/8" = 1'-0"



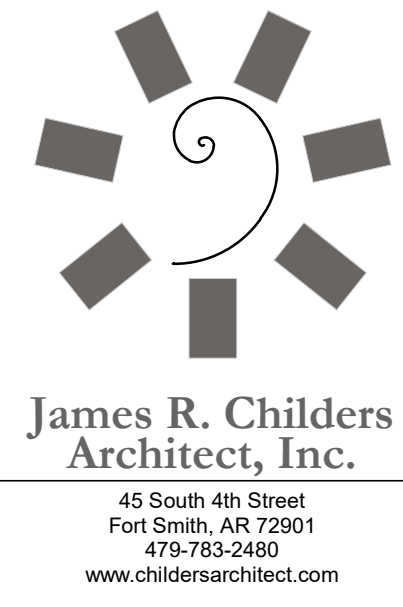
A4 MOMENT FRAME ELEVATION - GRID G
SCALE: 1/8" = 1'-0"



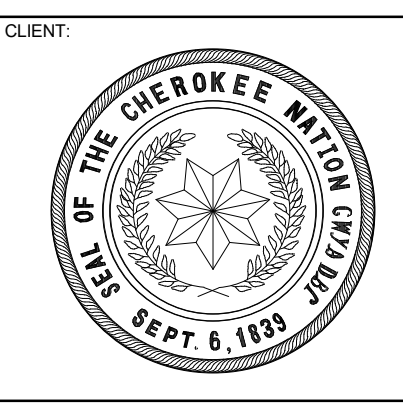
A5 MOMENT FRAME ELEVATION - GRID 1
SCALE: 1/8" = 1'-0"



A1 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"



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AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA



KEY PLAN:

PROJECT PHASE:
BID PACKAGE 03

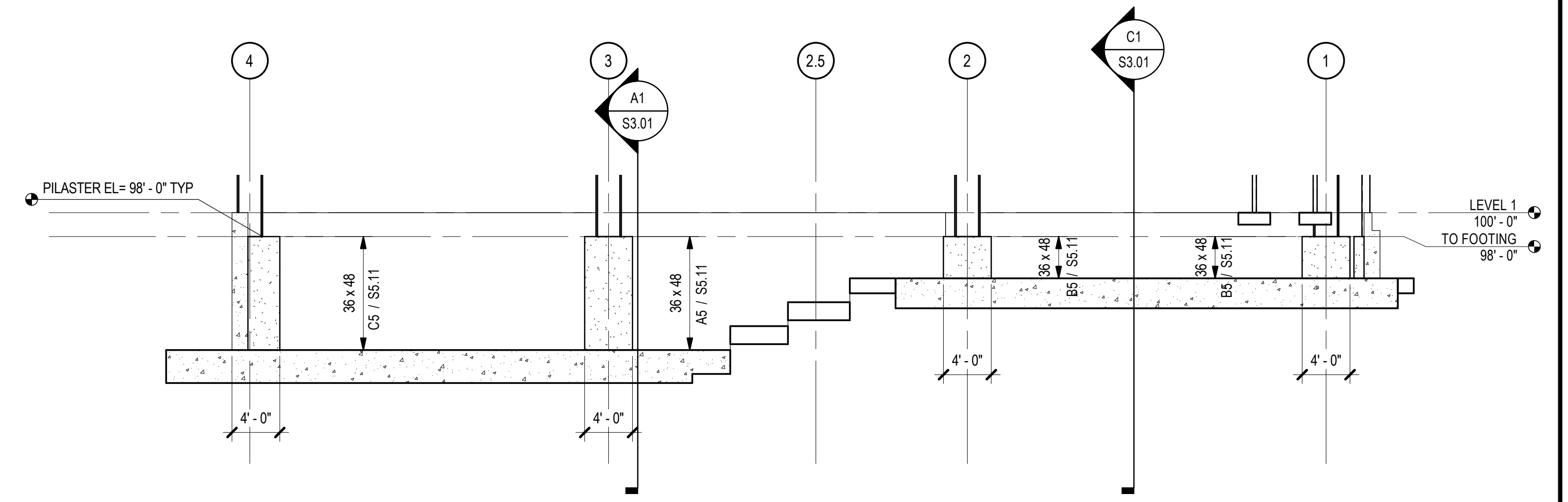
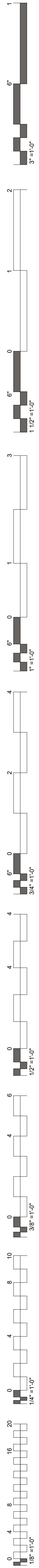
#	DATE	REVISIONS	DESCRIPTION
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2	03-20-19	S2.02	BID PACKAGE 03 A5I.04

DATE: 03-20-19 JOB NUMBER: 17-13

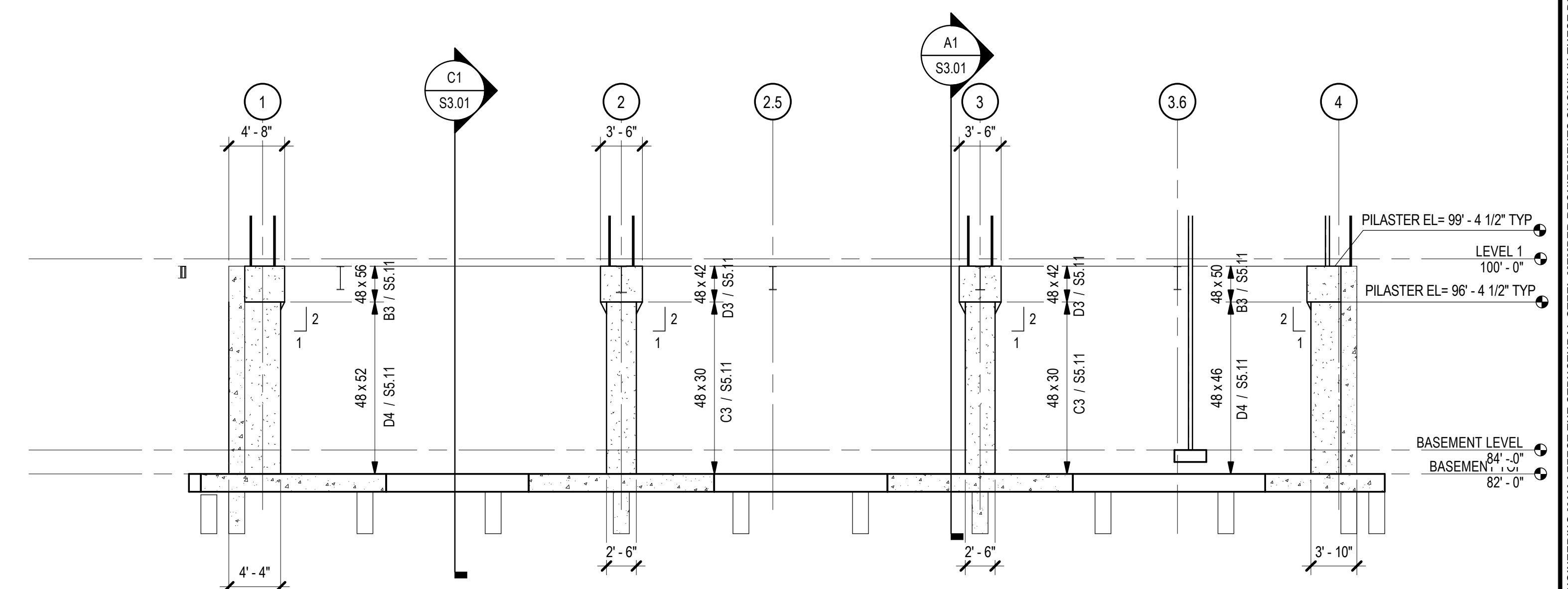
SHEET NUMBER:
S2.02

MOMENT FRAME AND
BRACED FRAME
ELEVATIONS

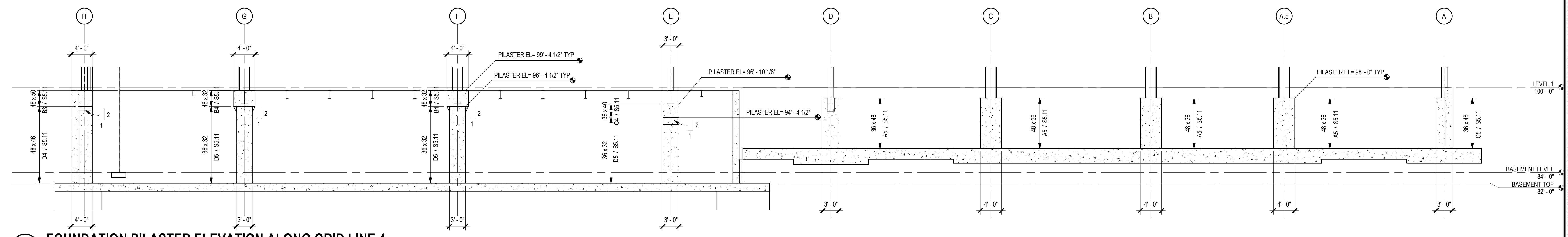
ENTIRE SHEET REVISED



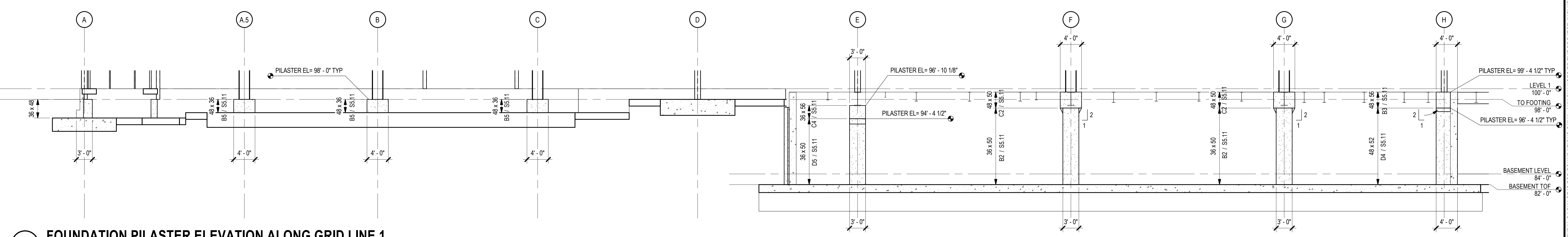
D4 FOUNDATION PILASTER ELEVATION ALONG GRID LINE A
SCALE: 1/8" = 1'-0"



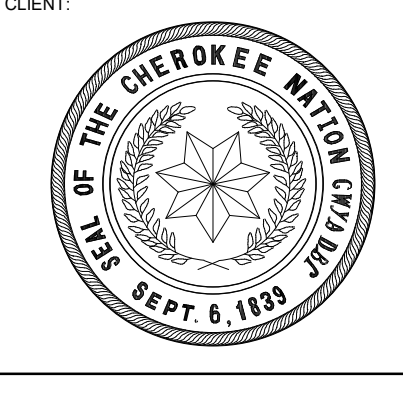
C4 FOUNDATION PILASTER ELEVATION ALONG GRID LINE H
SCALE: 1/8" = 1'-0"



B1 FOUNDATION PILASTER ELEVATION ALONG GRID LINE 4
SCALE: 1/8" = 1'-0"



A1 FOUNDATION PILASTER ELEVATION ALONG GRID LINE 1
SCALE: 1/8" = 1'-0"



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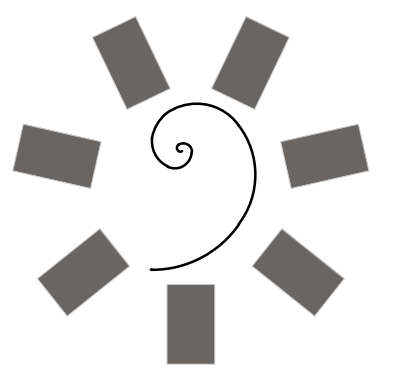
PROJECT PHASE:
BID PACKAGE 03

#	DATE	REVISIONS	DESCRIPTION

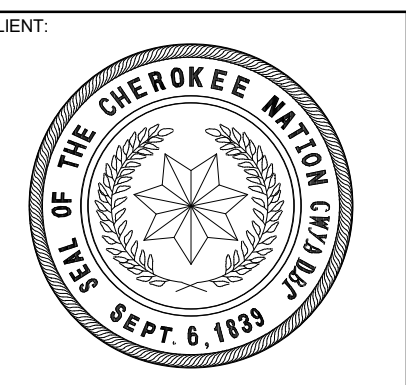
DATE: 03-20-19
JOB NUMBER: 17-13

SHEET NUMBER:
S2.03
FOUNDATION PILASTER ELEVATIONS

NOTE: THIS STRUCTURAL PACKAGE IS FOR FOUNDATIONS ONLY. ANY CHANGES TO THE PROJECT, INCLUDING, BUT NOT LIMITED TO, LOADING REQUIREMENTS, GEOMETRY CHANGES IN PLAN OR ELEVATION, SPACE USAGE REVISIONS, OR VALUE ENGINEERING MAY AFFECT THE STRUCTURAL STEEL MEMBER REQUIREMENTS SHOWN IN THESE DRAWINGS.



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KEY PLAN:

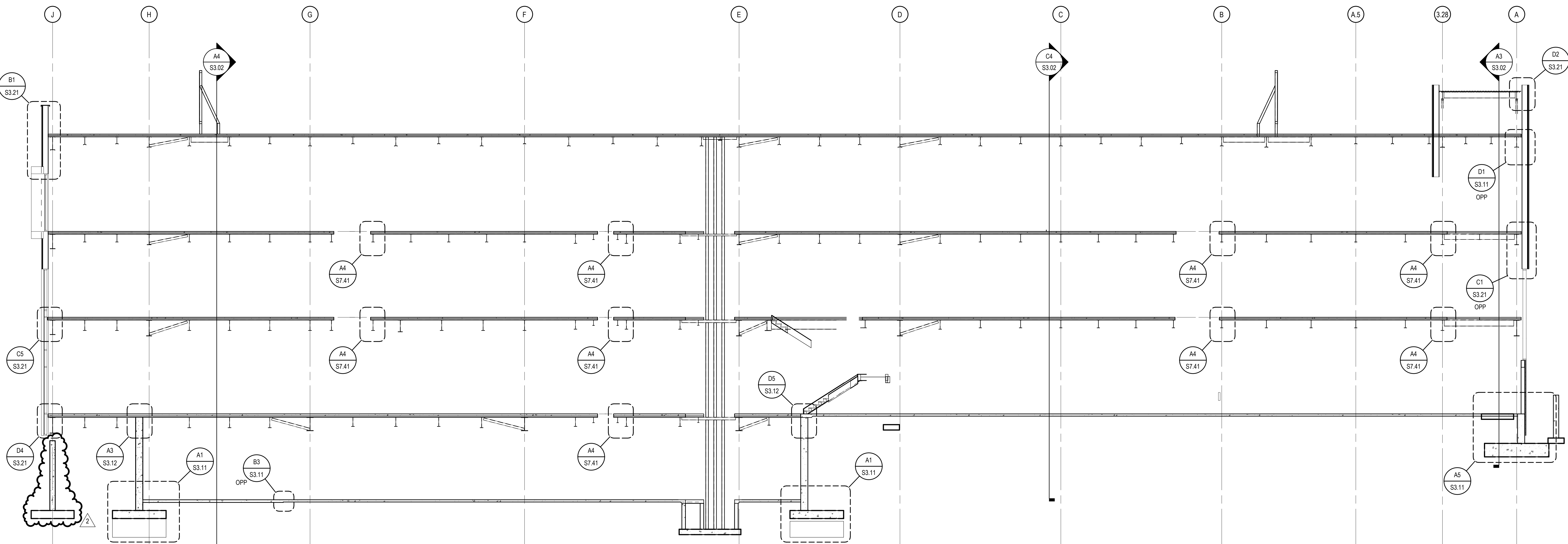
PROJECT PHASE:
BID PACKAGE 03

#	DATE	REVISIONS / DESCRIPTION
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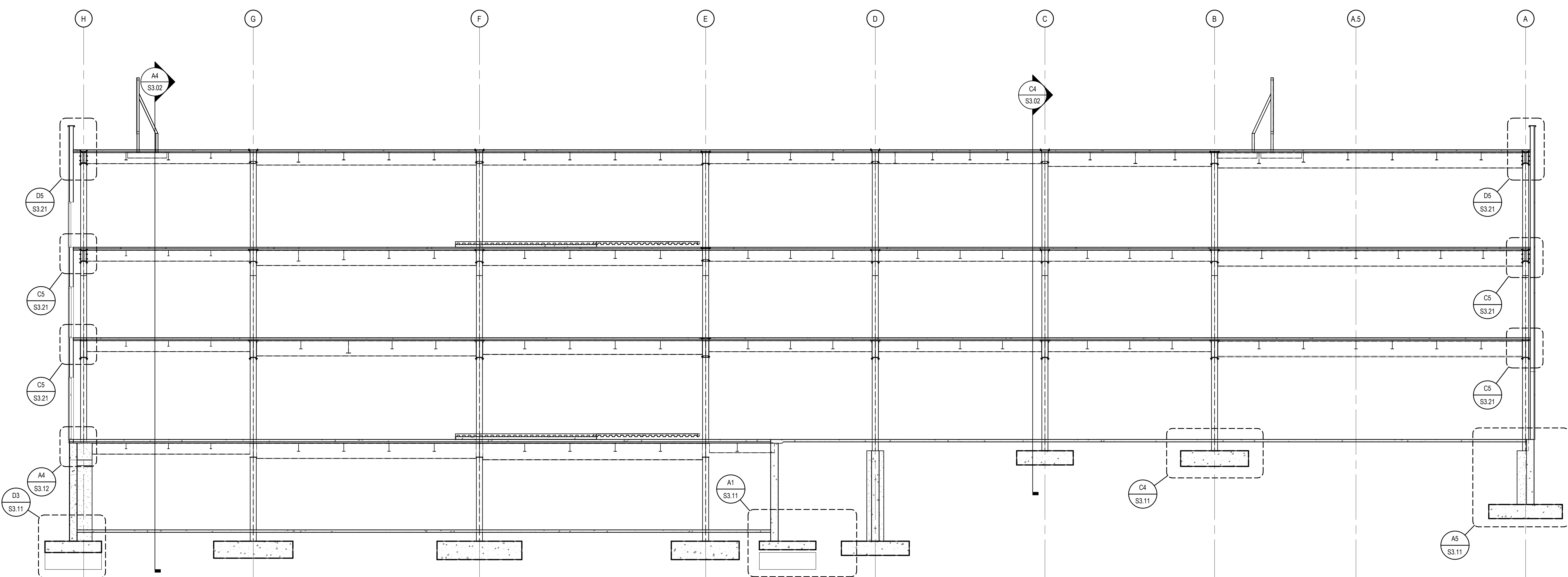
DATE: 03-20-19 JOB NUMBER: 17-13

SHEET NUMBER:
S3.01

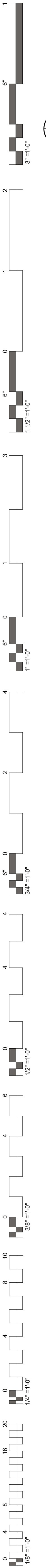
BUILDING SECTIONS

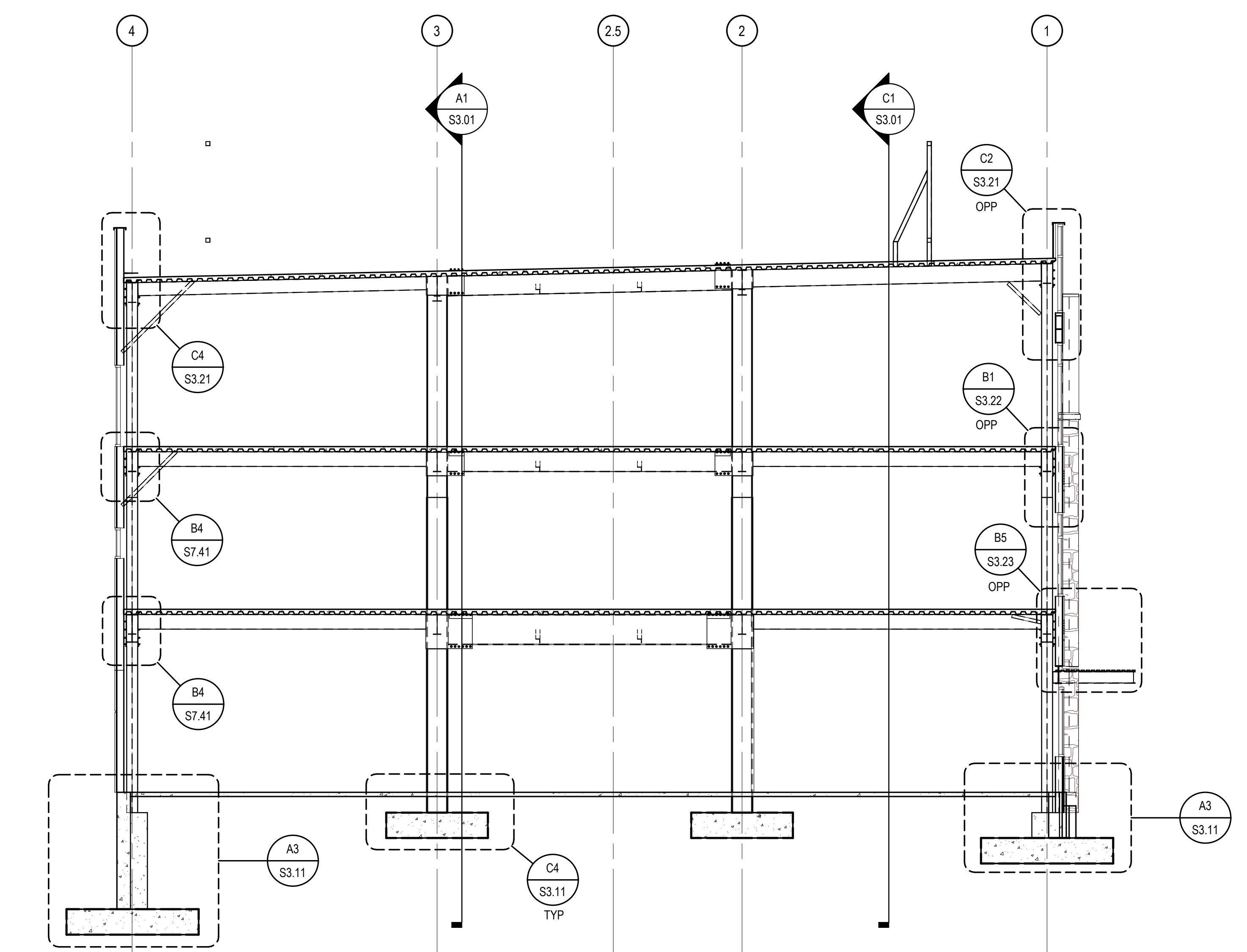
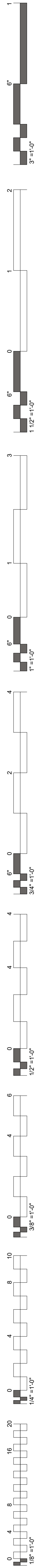


C1 BUILDING SECTION
SCALE: 1/8" = 1'-0"

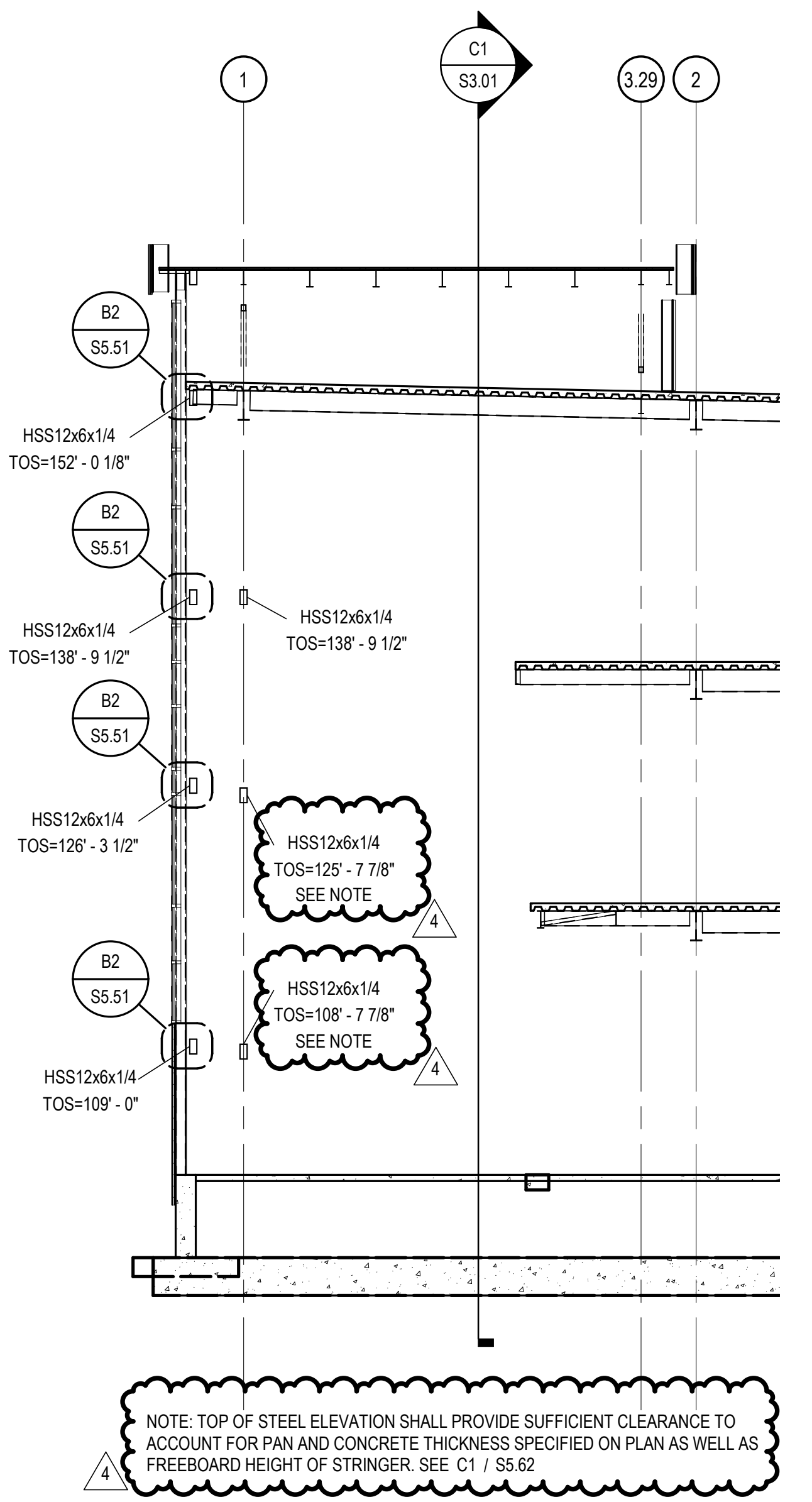


A1 BUILDING SECTION
SCALE: 1/8" = 1'-0"

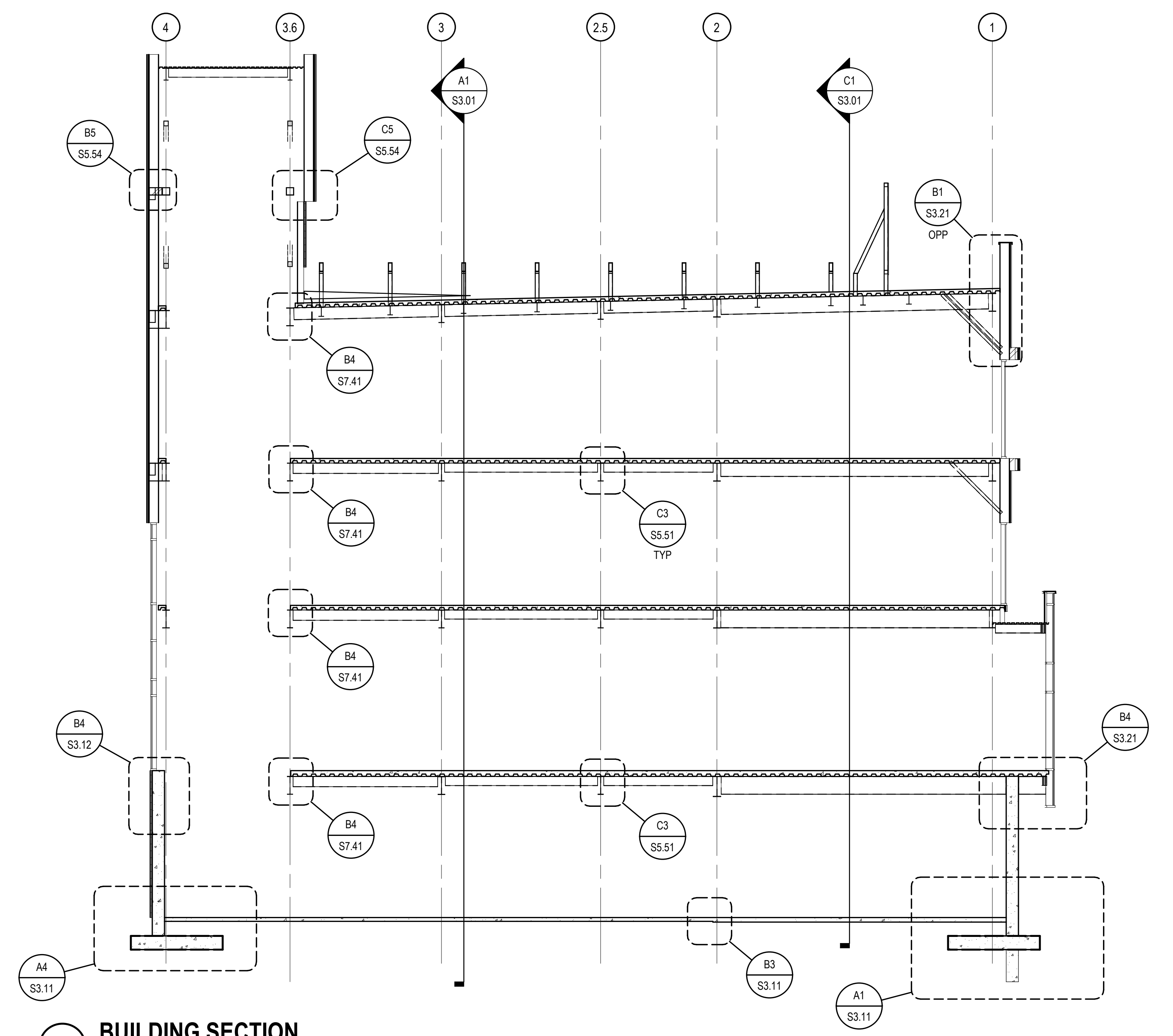




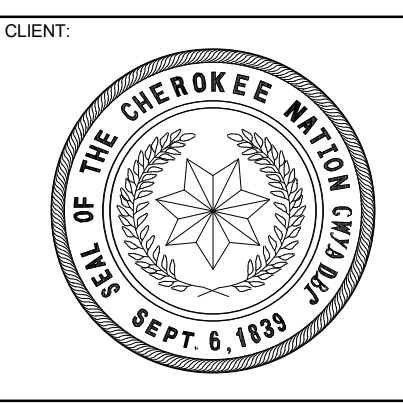
C4 BUILDING SECTION
SCALE: 1/8" = 1'-0"



A3 STAIR SHAFT SECTION
SCALE: 1/8" = 1'-0"



A4 BUILDING SECTION
SCALE: 1/8" = 1'-0"



KEY PLAN:

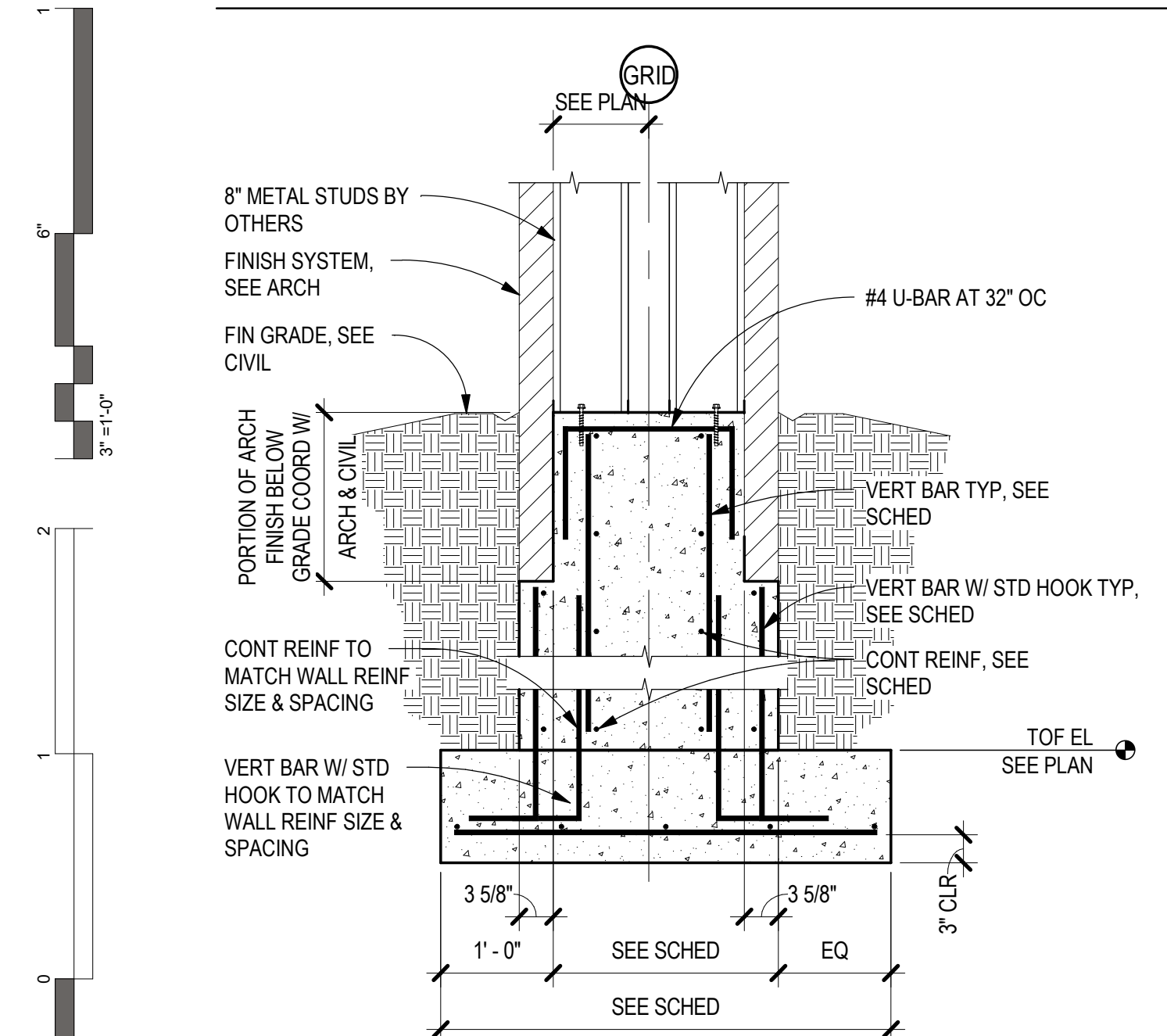
PROJECT PHASE:
BID PACKAGE 03

#	DATE	REVISIONS / DESCRIPTION
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2	03/19/19	BID PACKAGE 03 ABL 04

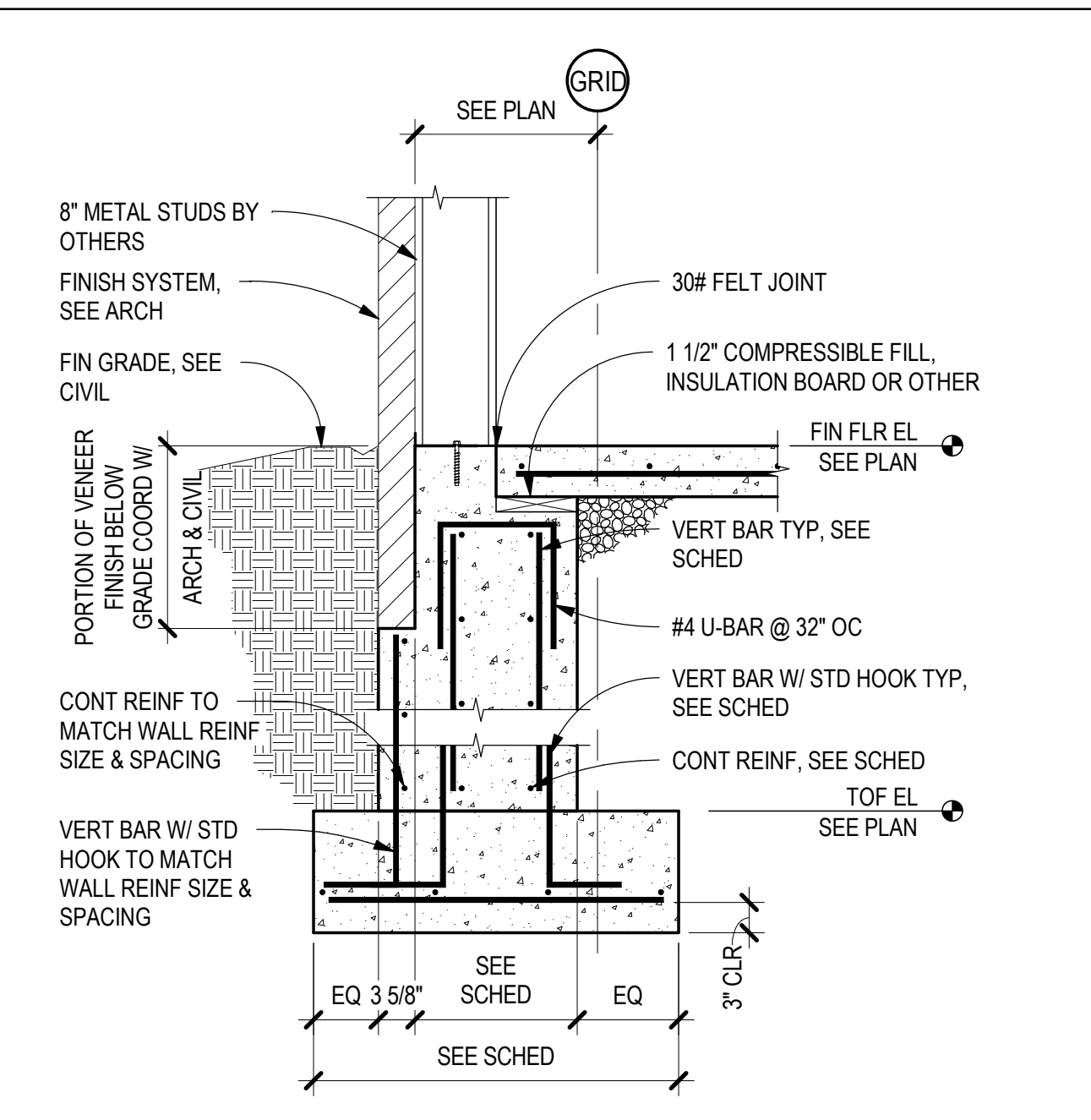
DATE: 03-20-19 JOB NUMBER: 17-13

SHEET NUMBER:
S3.02

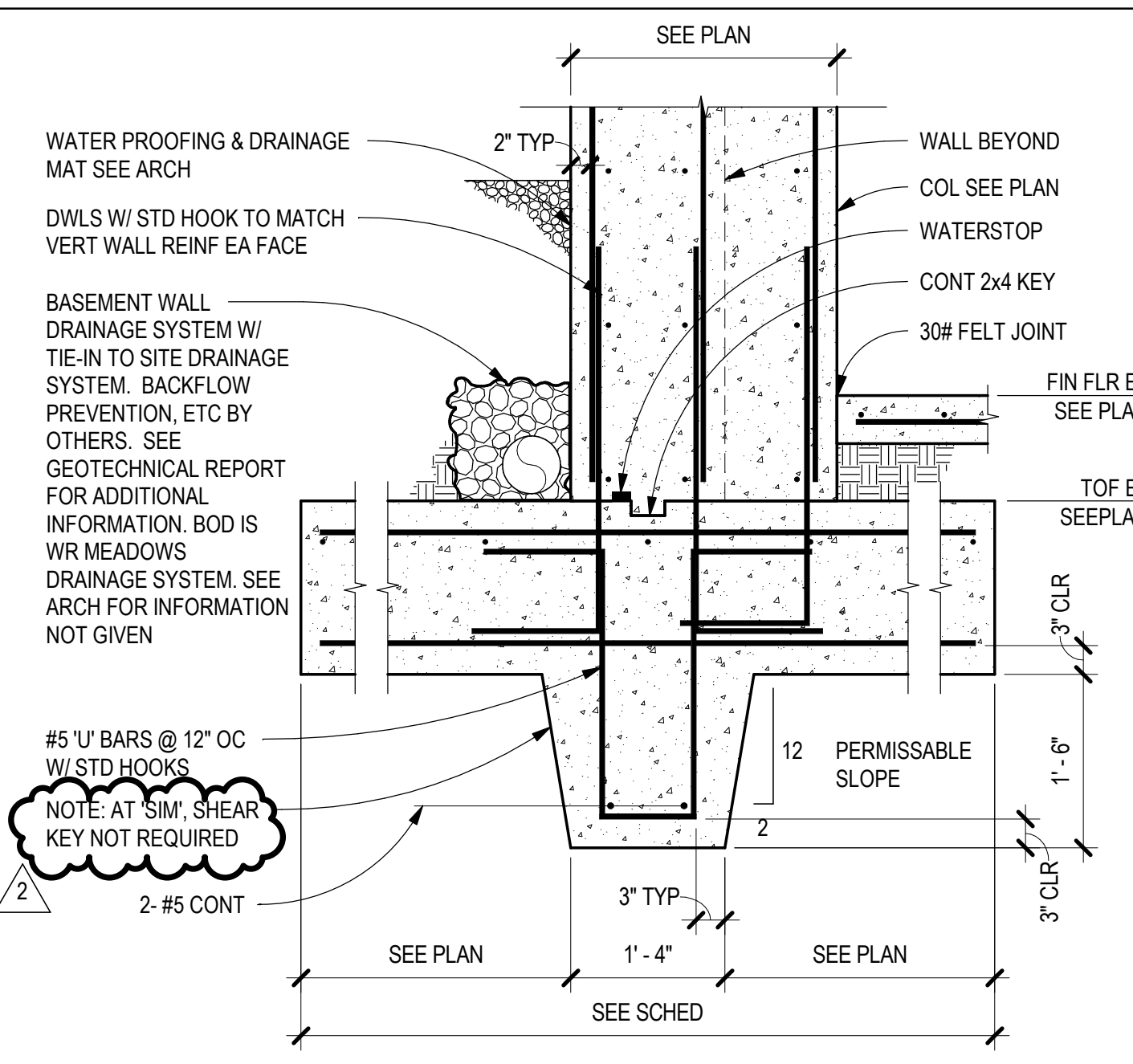
BUILDING SECTIONS



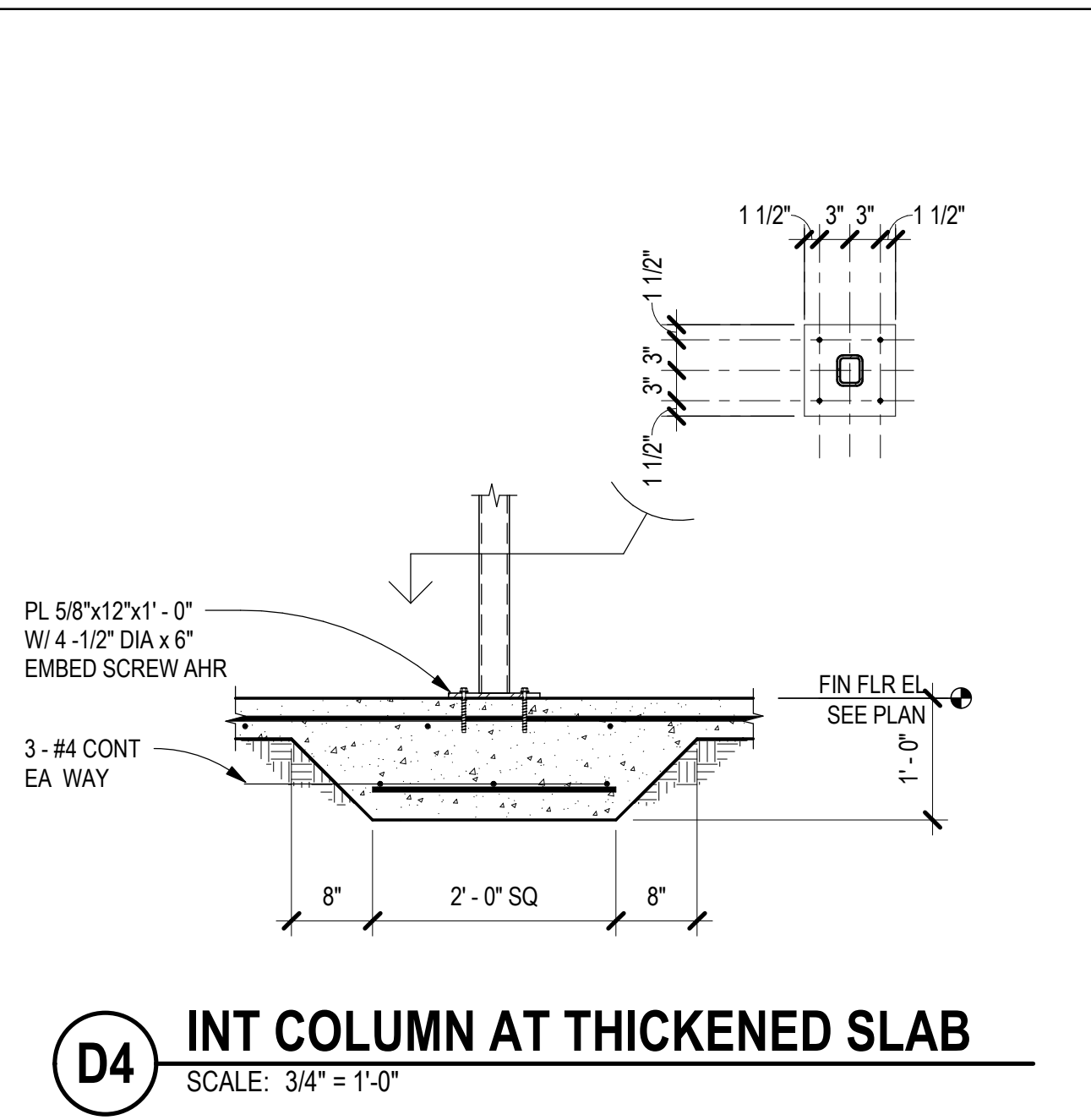
D1 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



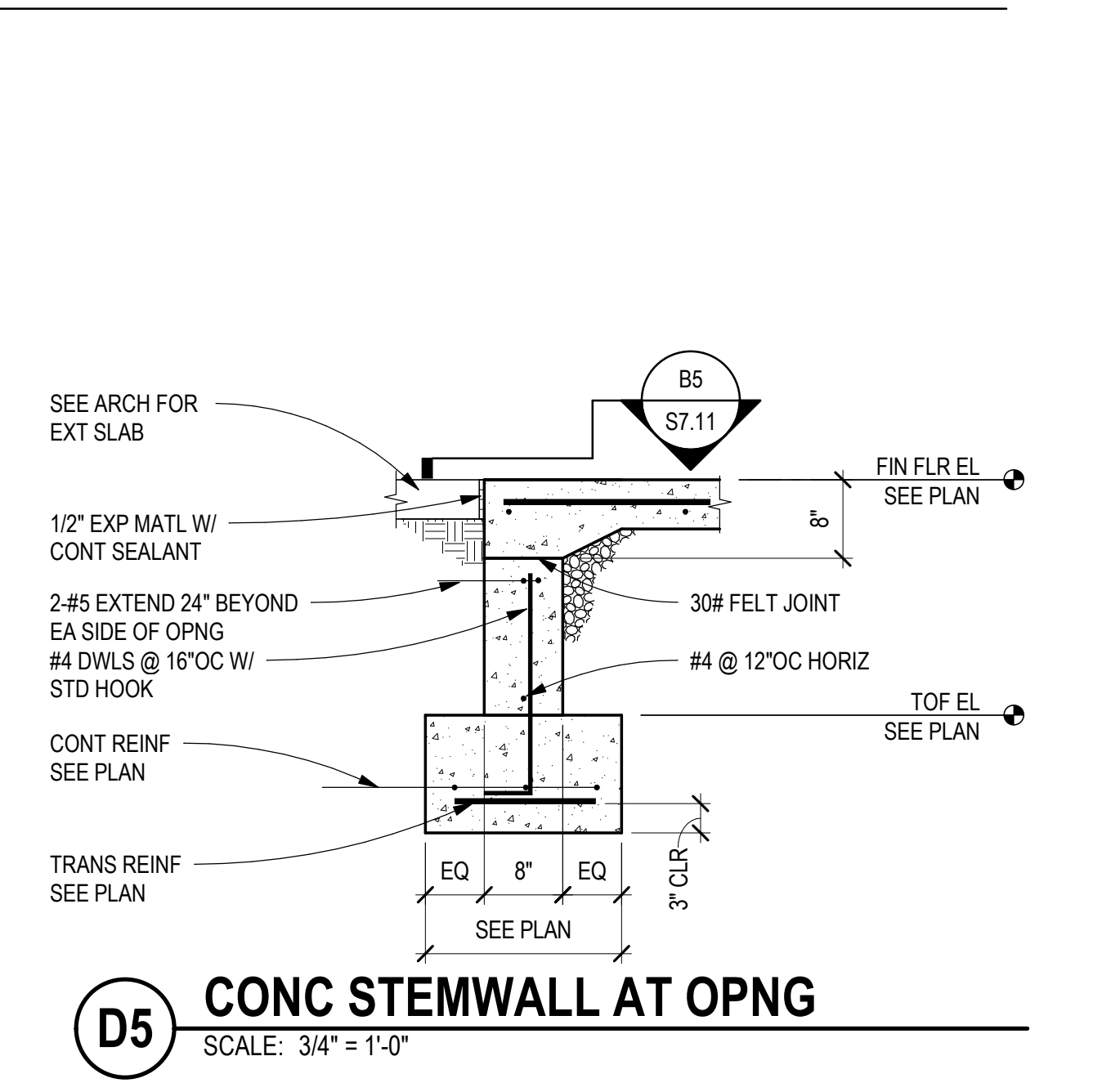
D2 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



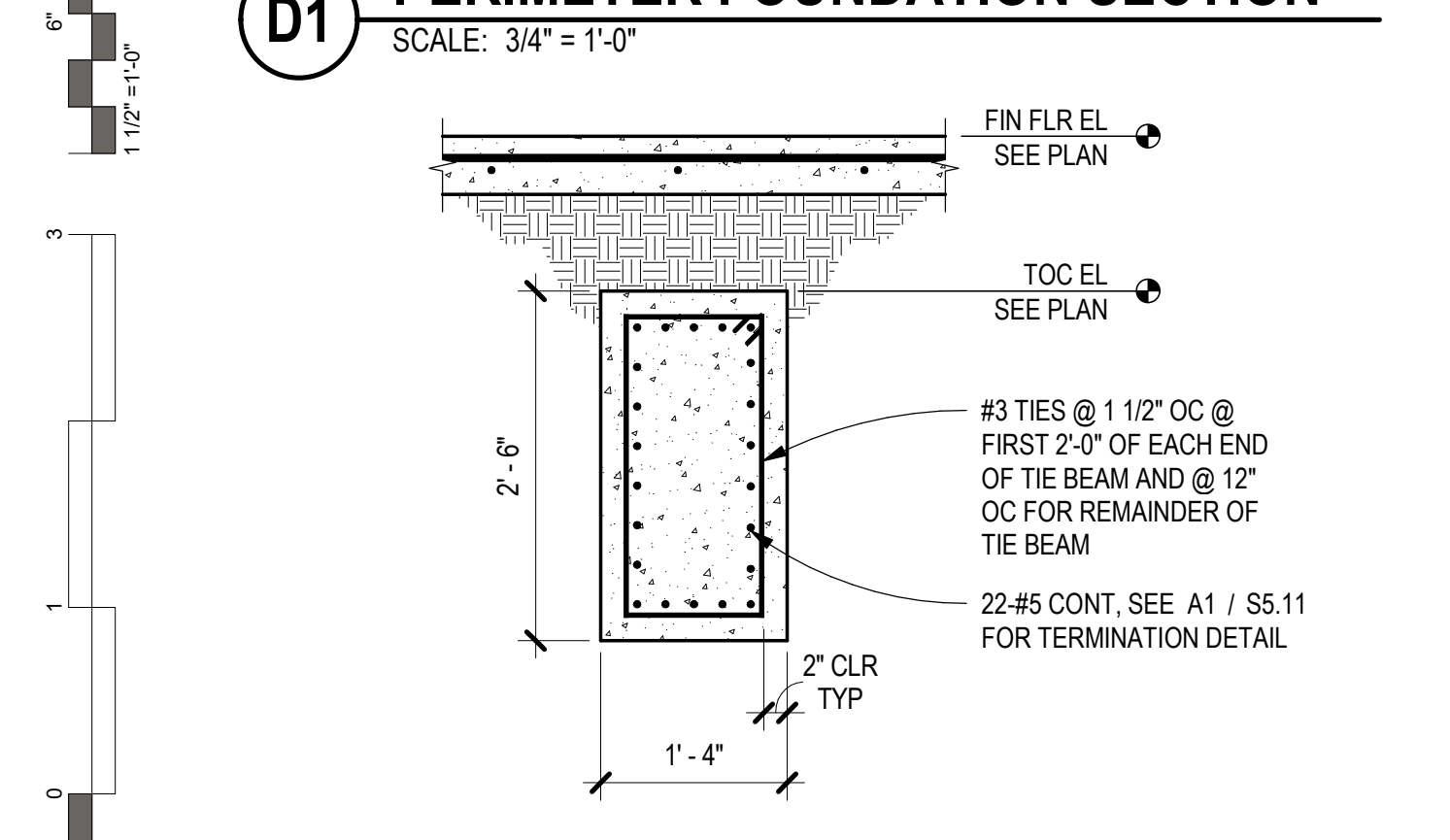
D3 BASEMENT COLUMN SECTION
SCALE: 3/4" = 1'-0"



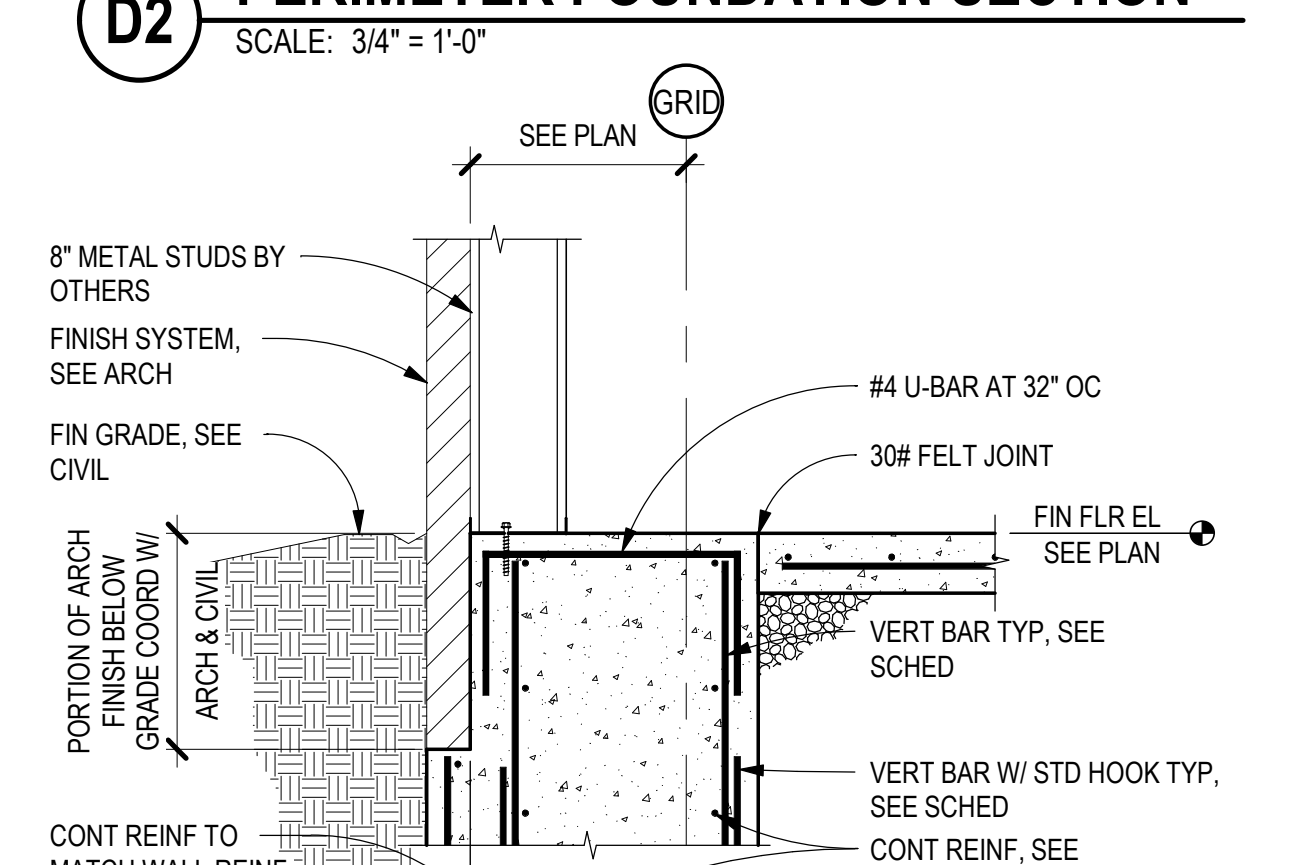
D4 INT COLUMN AT THICKENED SLAB
SCALE: 3/4" = 1'-0"



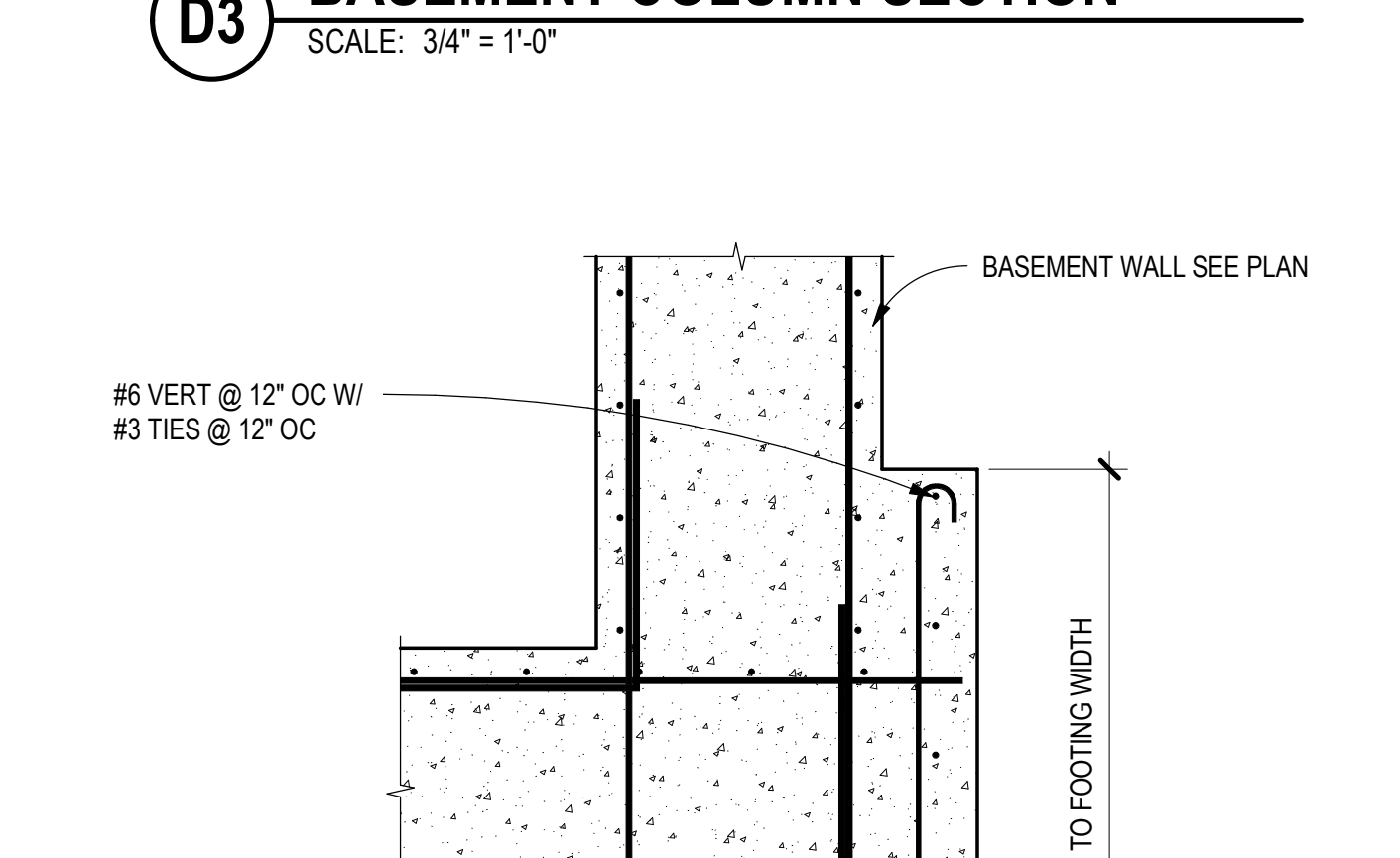
D5 CONC STEMWALL AT OPNG
SCALE: 3/4" = 1'-0"



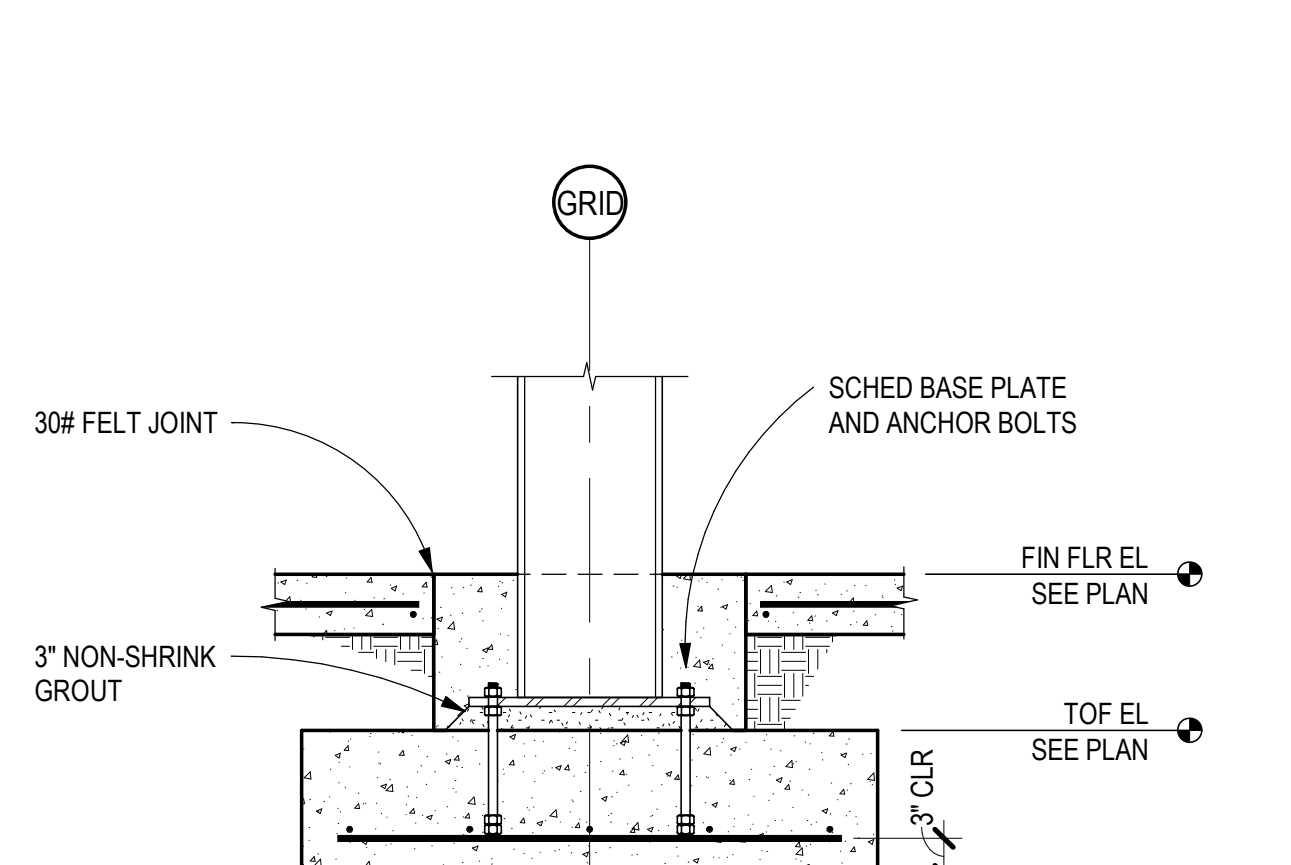
C1 TIE BEAM SECTION
SCALE: 3/4" = 1'-0"



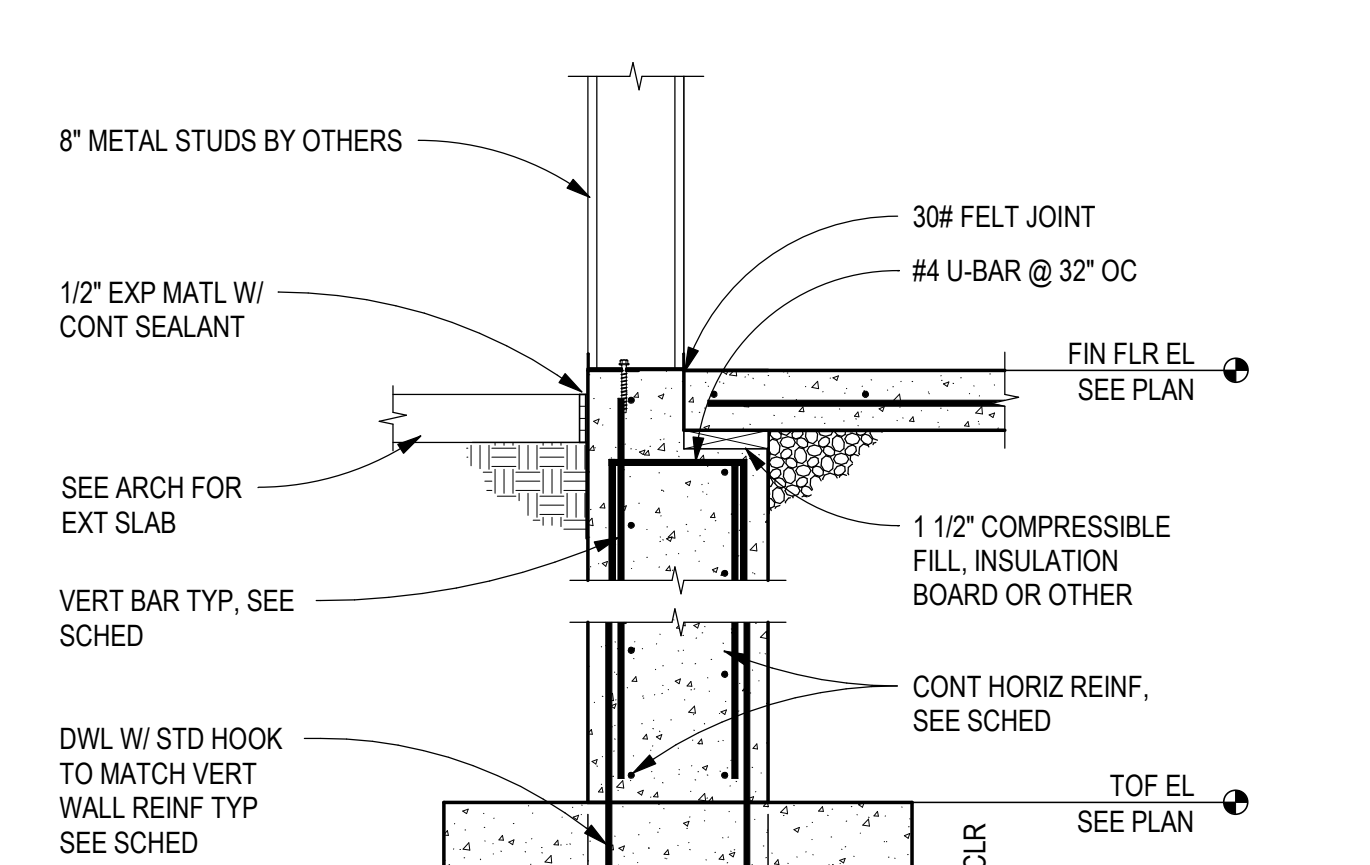
C2 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



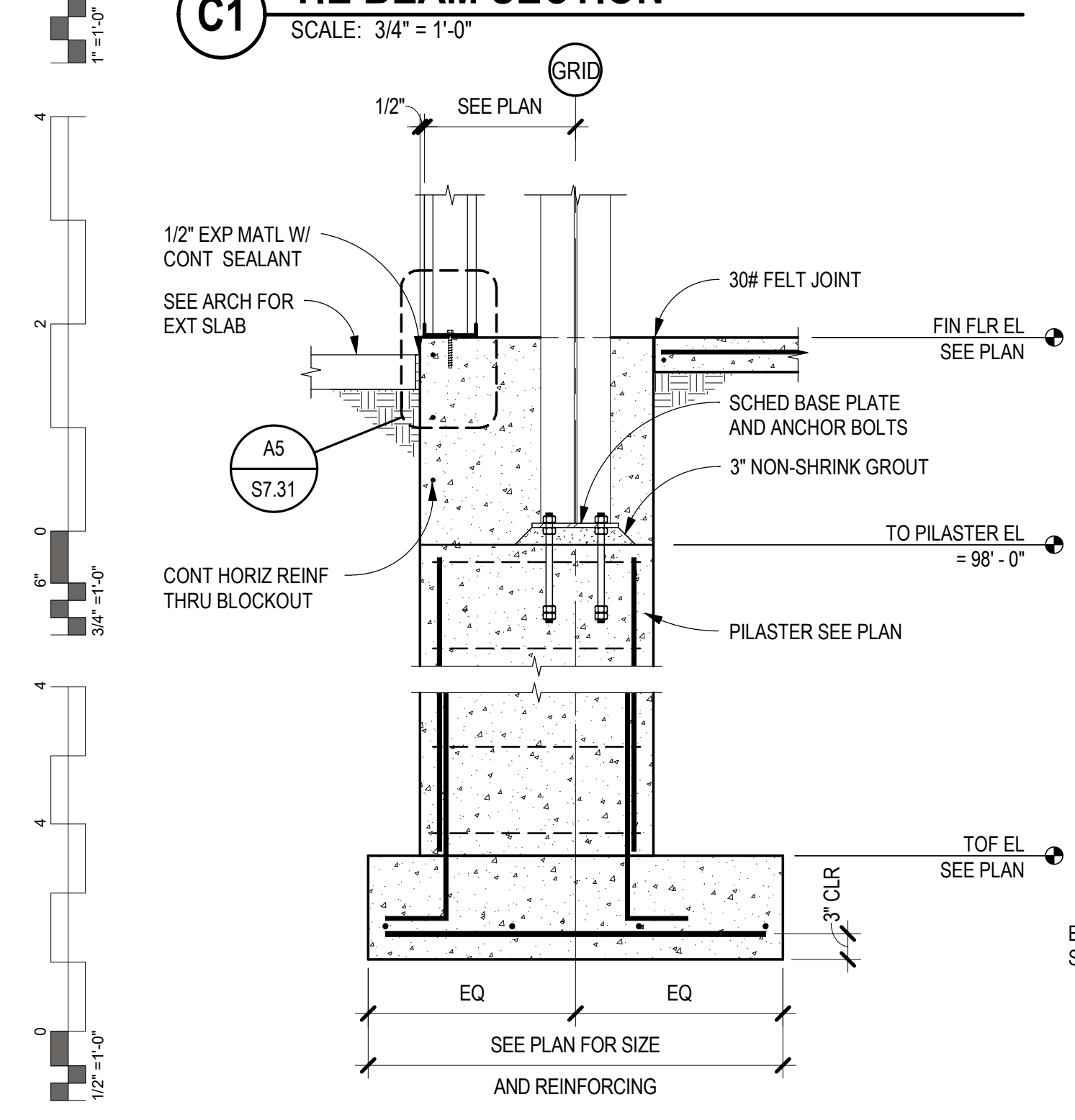
C3 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



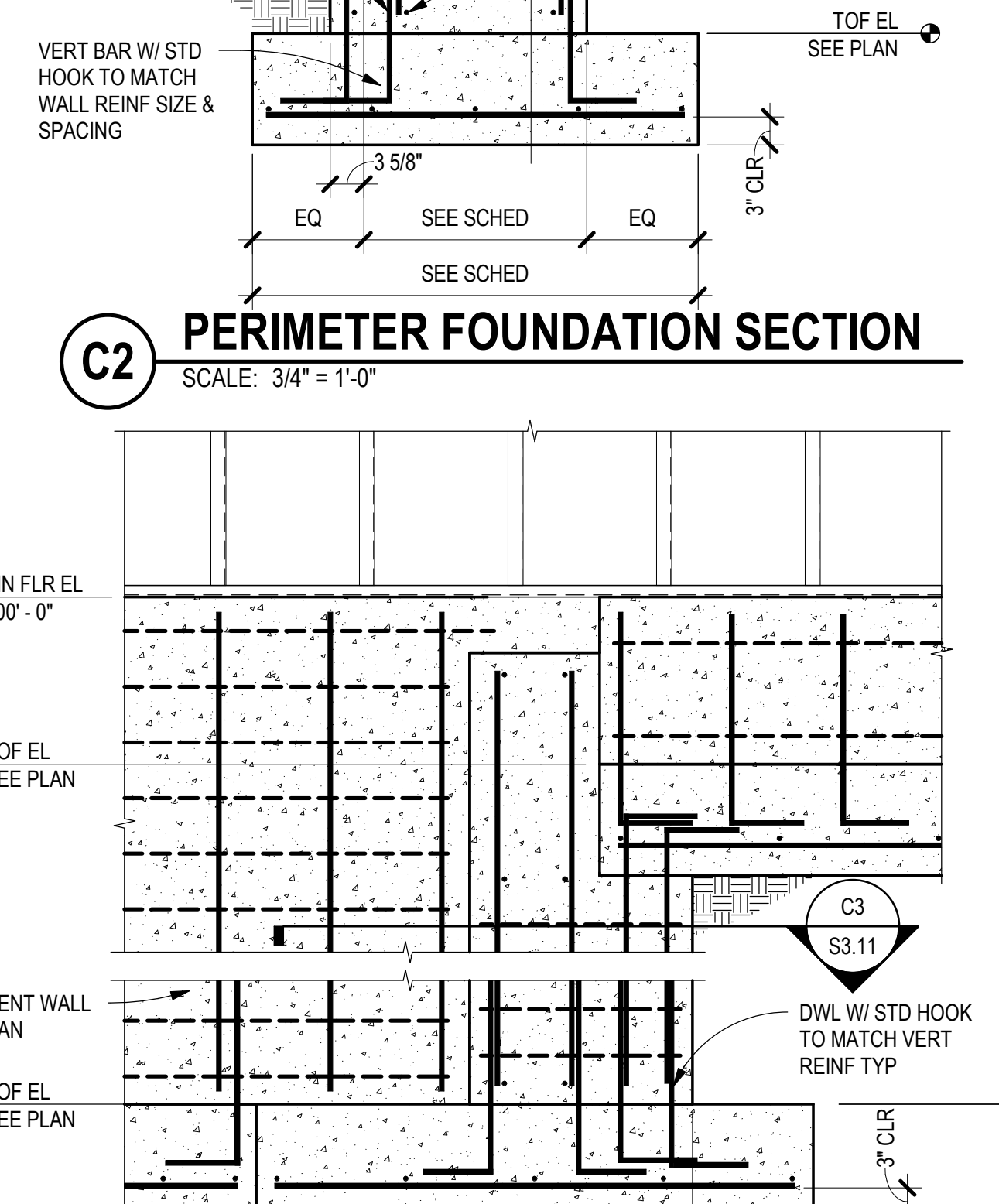
C4 INTERIOR COLUMN SECTION
SCALE: 3/4" = 1'-0"



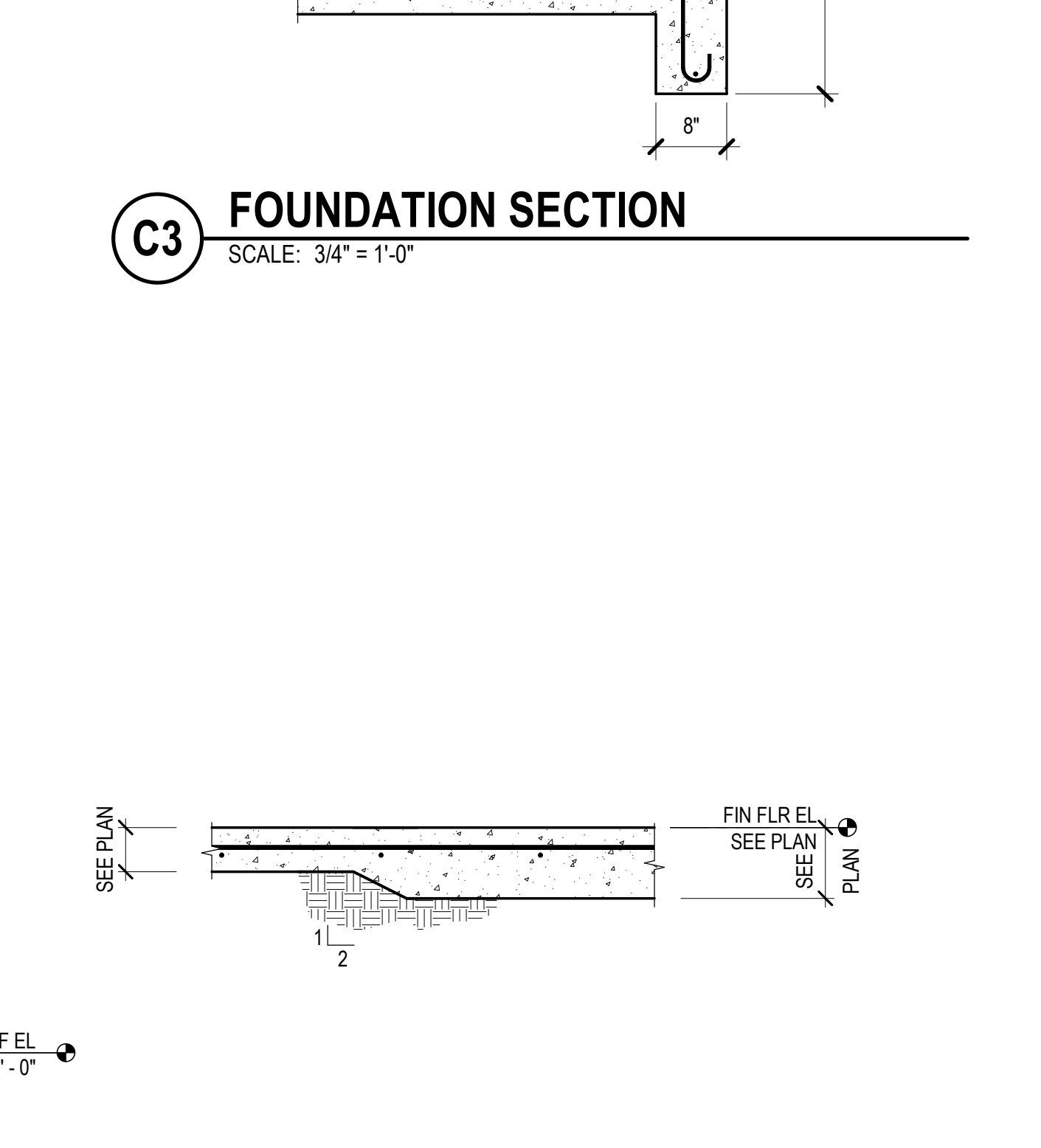
C5 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



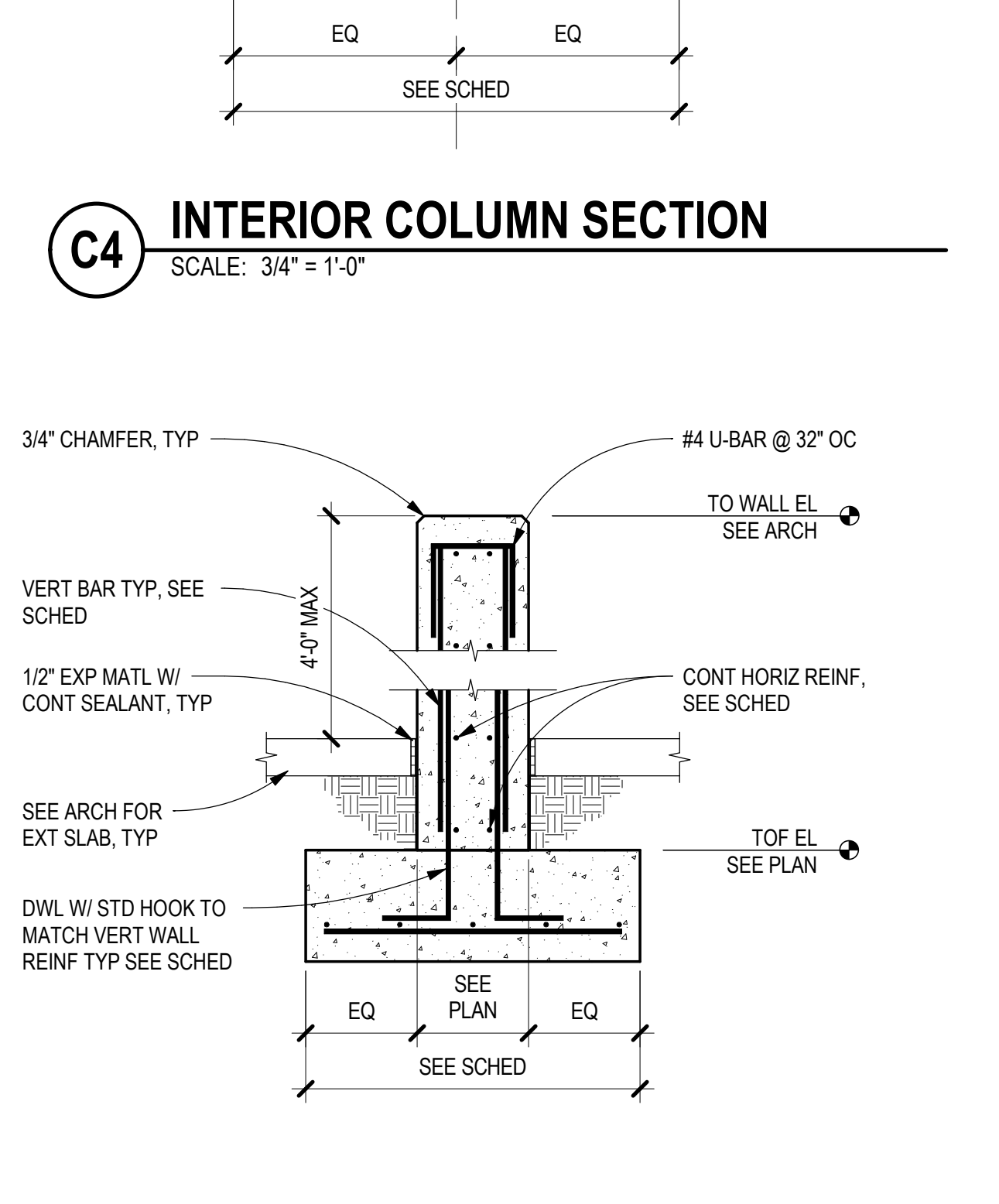
B1 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



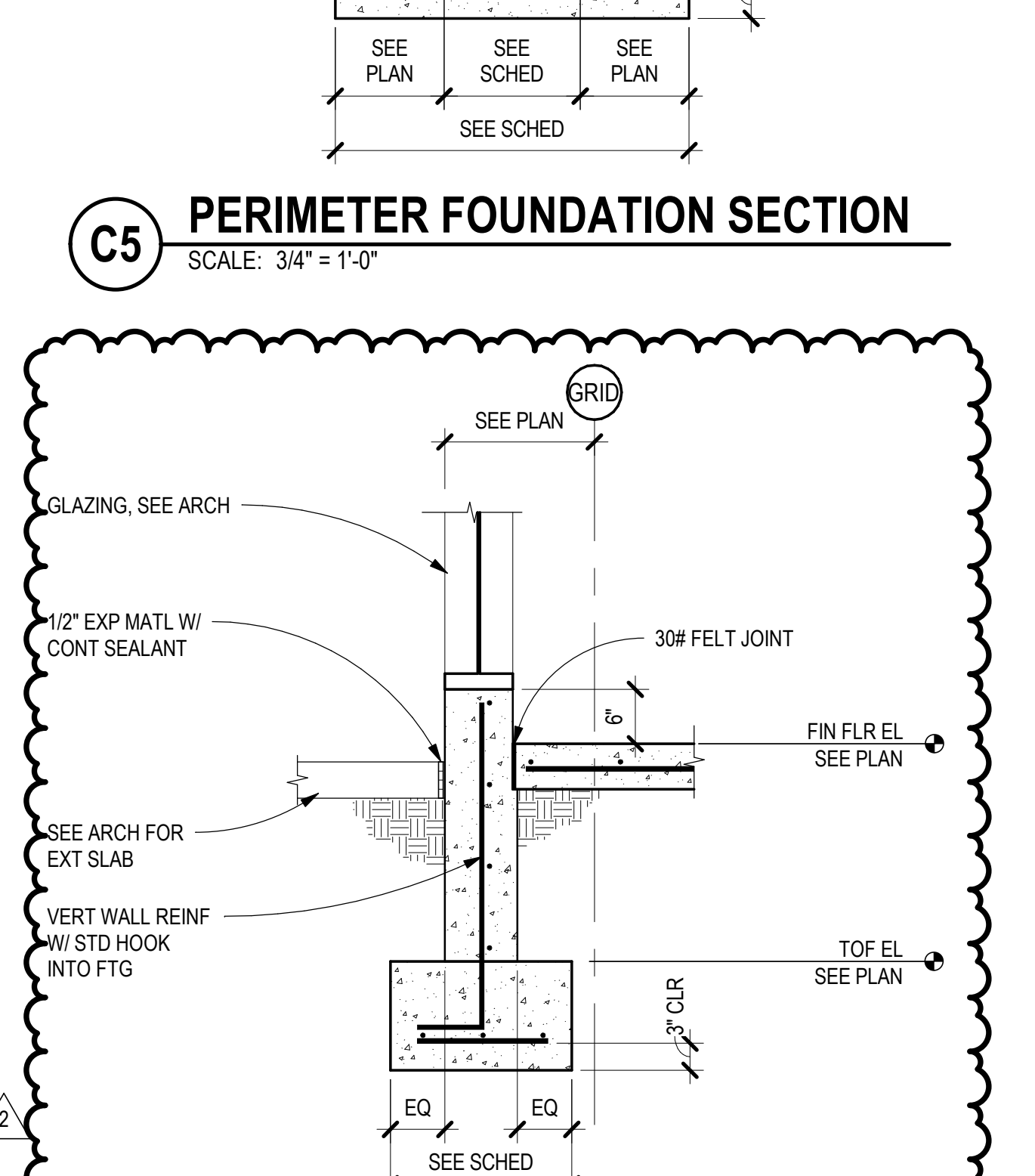
B2 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



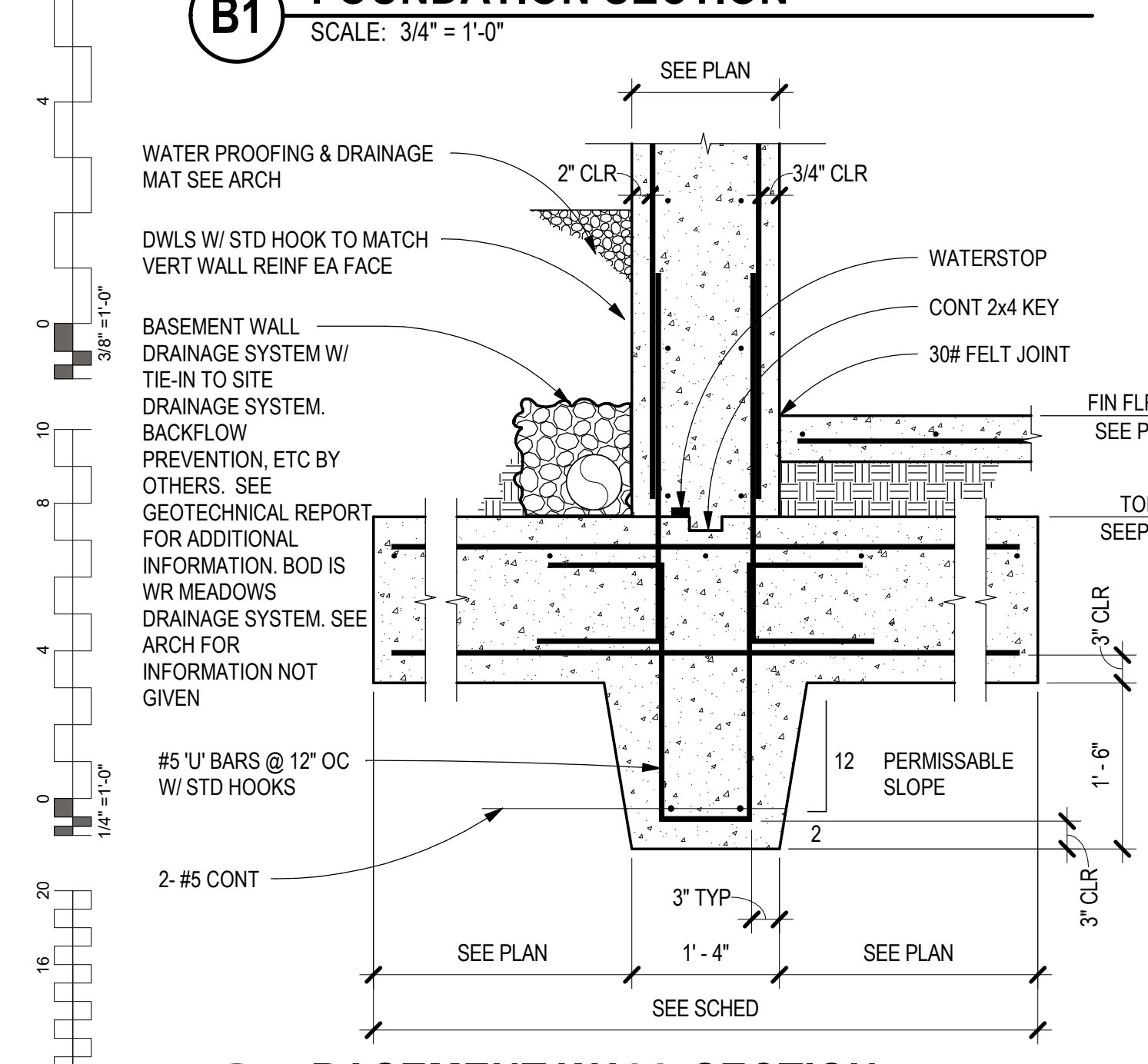
B3 SLAB THICKNESS TRANSITION
SCALE: 3/4" = 1'-0"



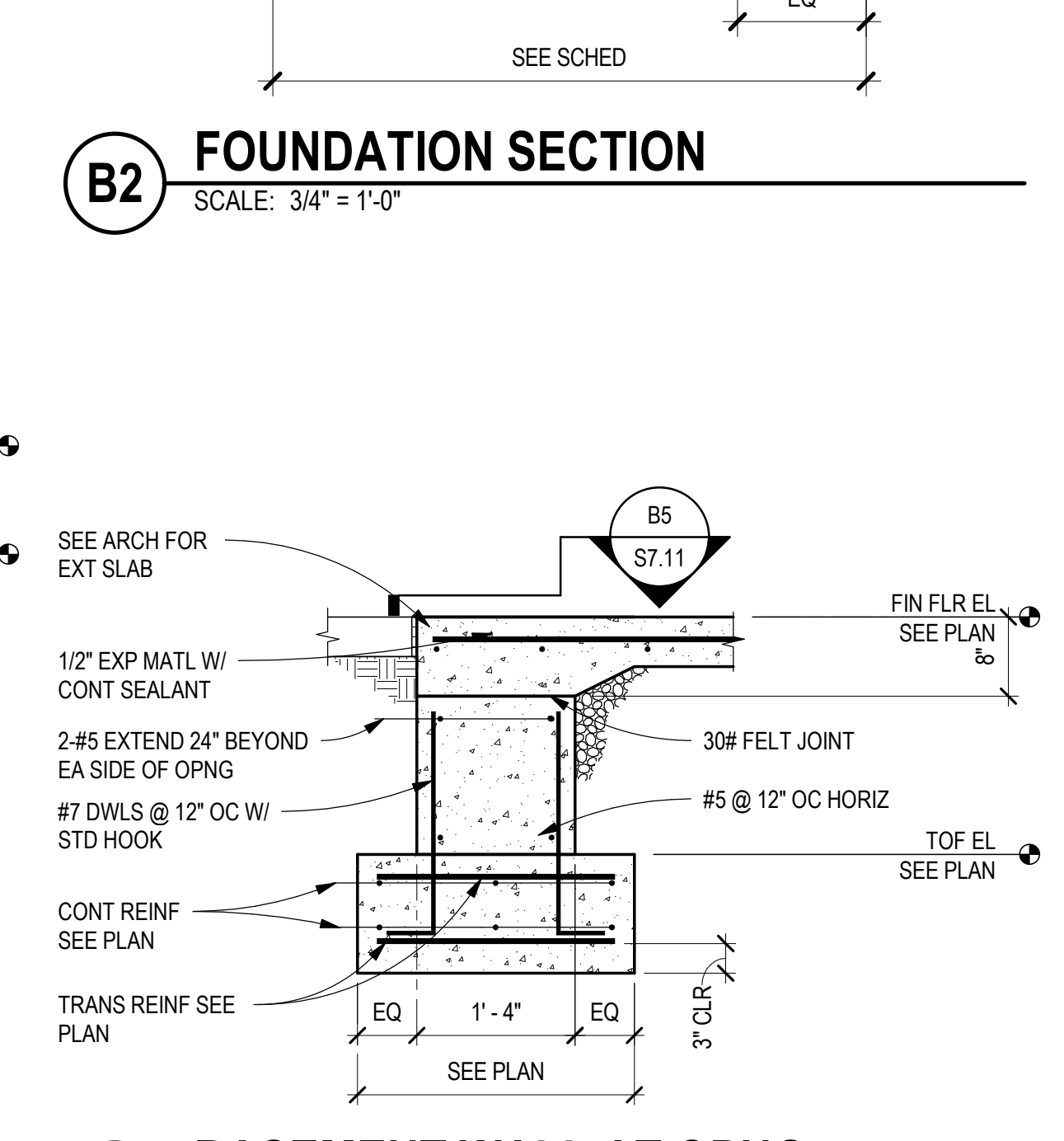
B4 EXTERIOR SITE WALL SECTION
SCALE: 3/4" = 1'-0"



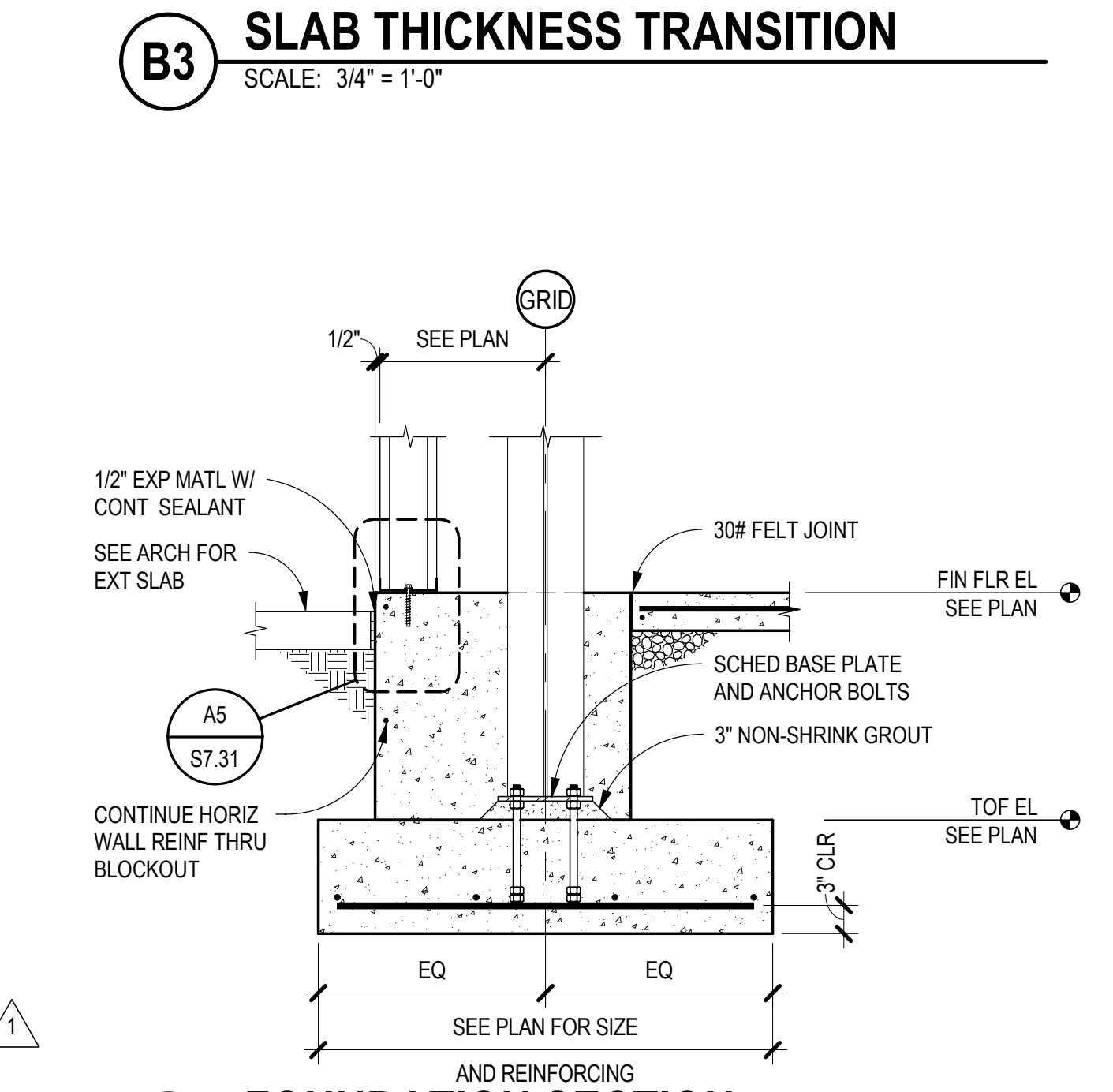
B5 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



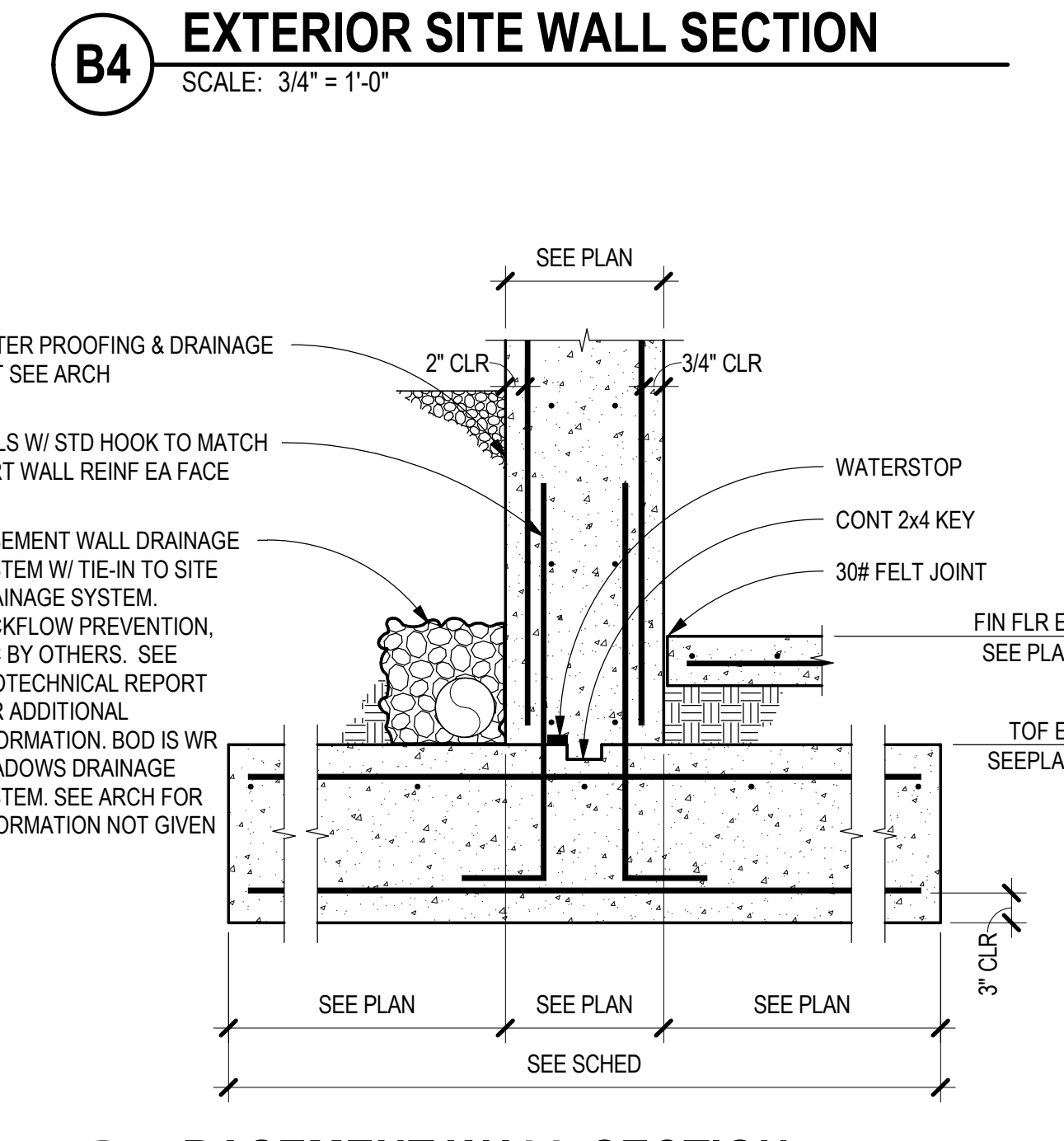
A1 BASEMENT WALL SECTION
SCALE: 3/4" = 1'-0"



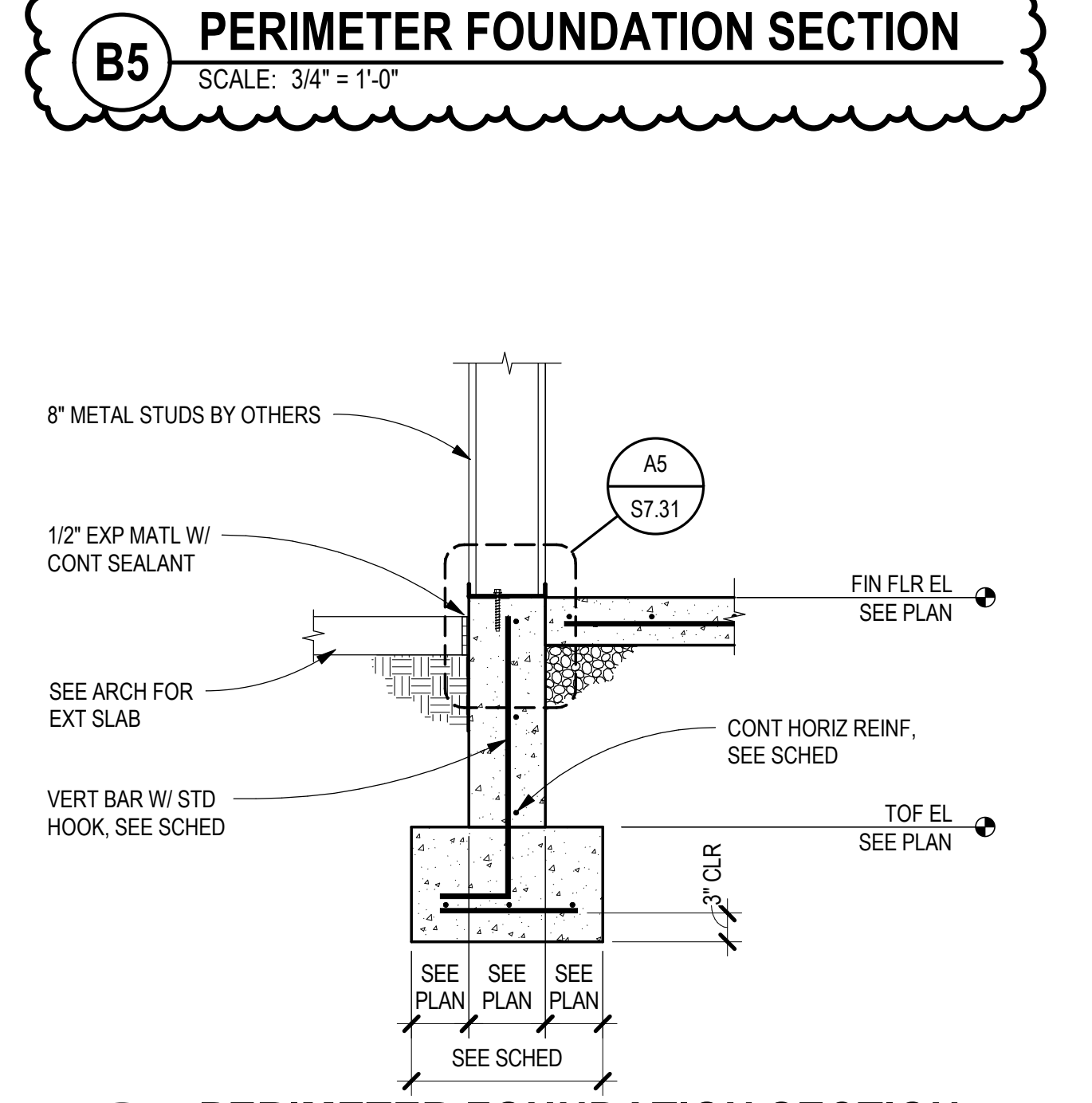
A2 BASEMENT WALL AT OPNG
SCALE: 3/4" = 1'-0"



A3 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"

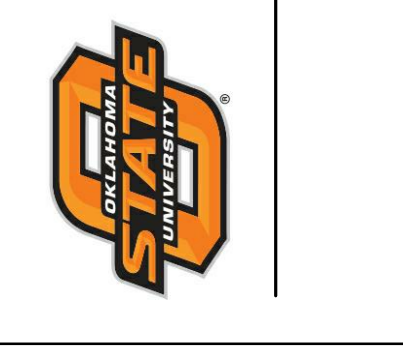
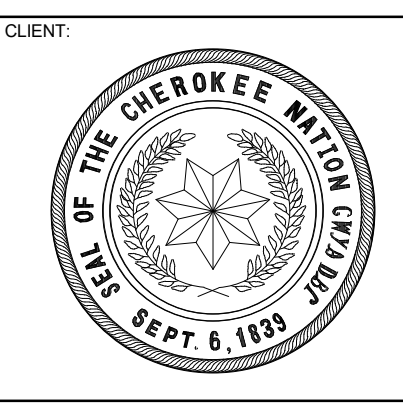


A4 BASEMENT WALL SECTION
SCALE: 3/4" = 1'-0"



A5 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"

ENTIRE SHEET REVISED



KEY PLAN:

PROJECT PHASE:
BID PACKAGE 03

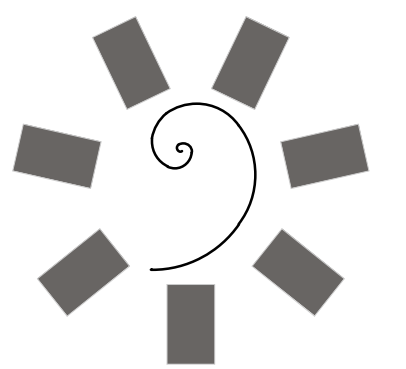
#	DATE	REVISIONS	DESCRIPTION
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2	5/24/19	BID PACKAGE 03 A&I 02	

DATE: 03-20-19 JOB NUMBER: 17-13

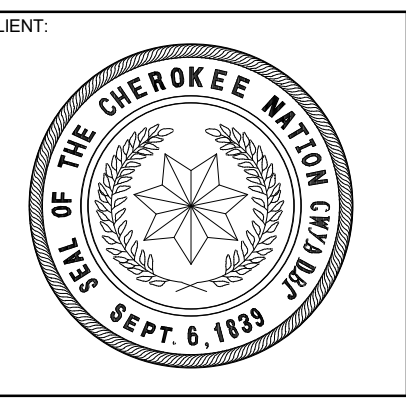
SHEET NUMBER:

S3.11

FOUNDATION SECTIONS



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KEY PLAN

PROJECT PHASE:
BID PACKAGE 03

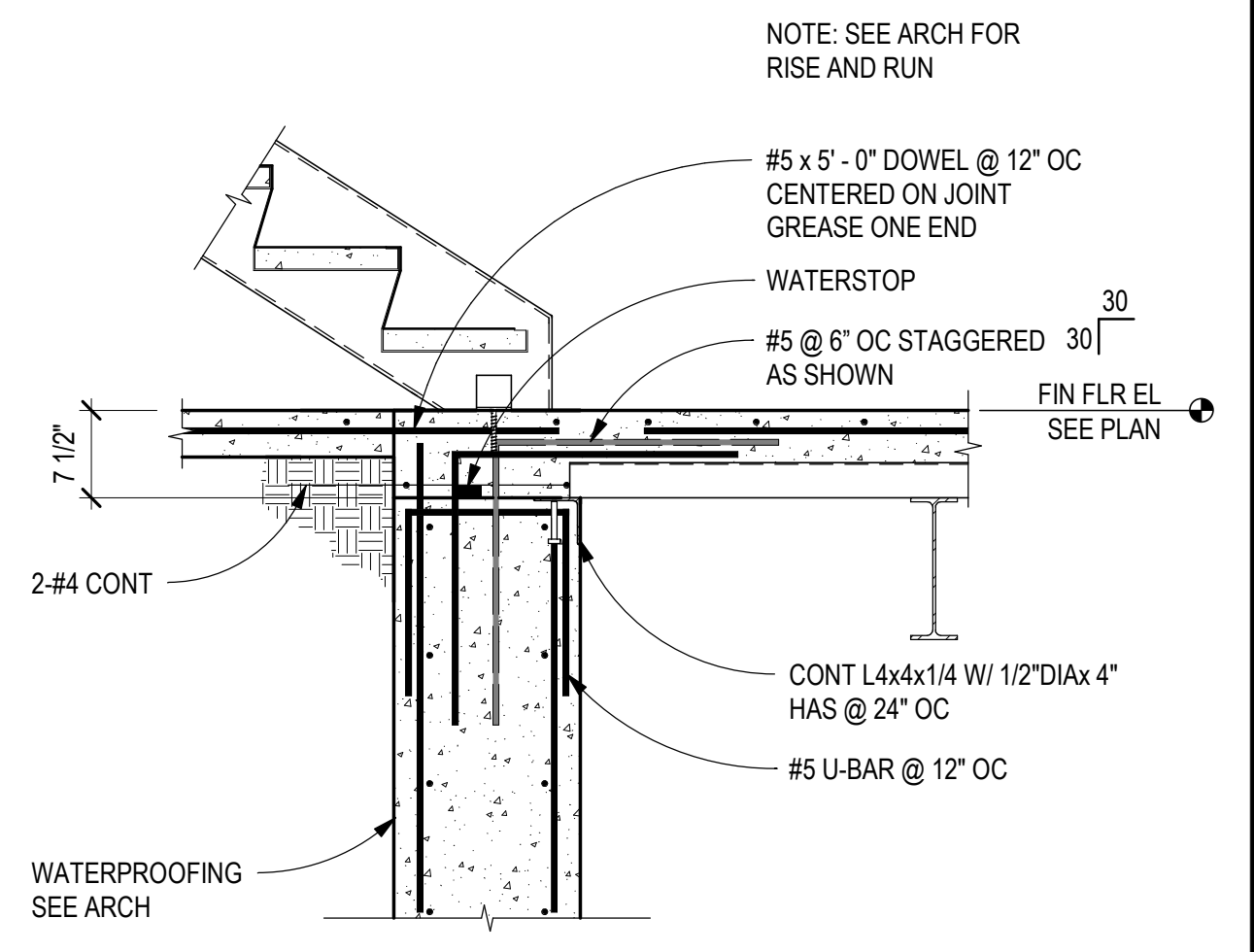
#	DATE	REVISIONS	DESCRIPTION
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2	5/24/19	BID PACKAGE 03 A&I 02	
3	6/17/19	BID PACKAGE 04 A&I 02	
4	7/12/19	BID PACKAGE 03 A&I 03	

DATE: 03-20-19
JOB NUMBER: 17-13

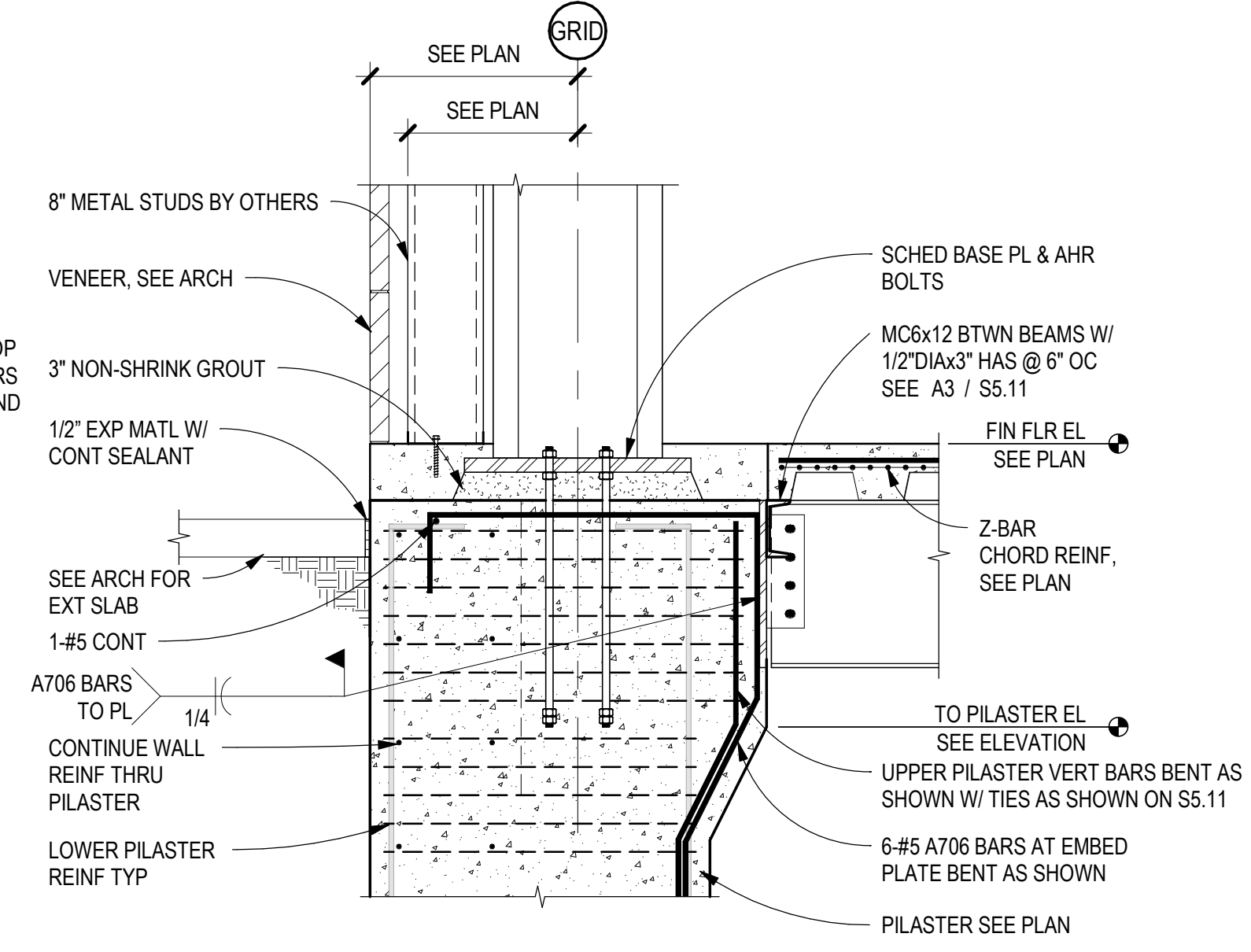
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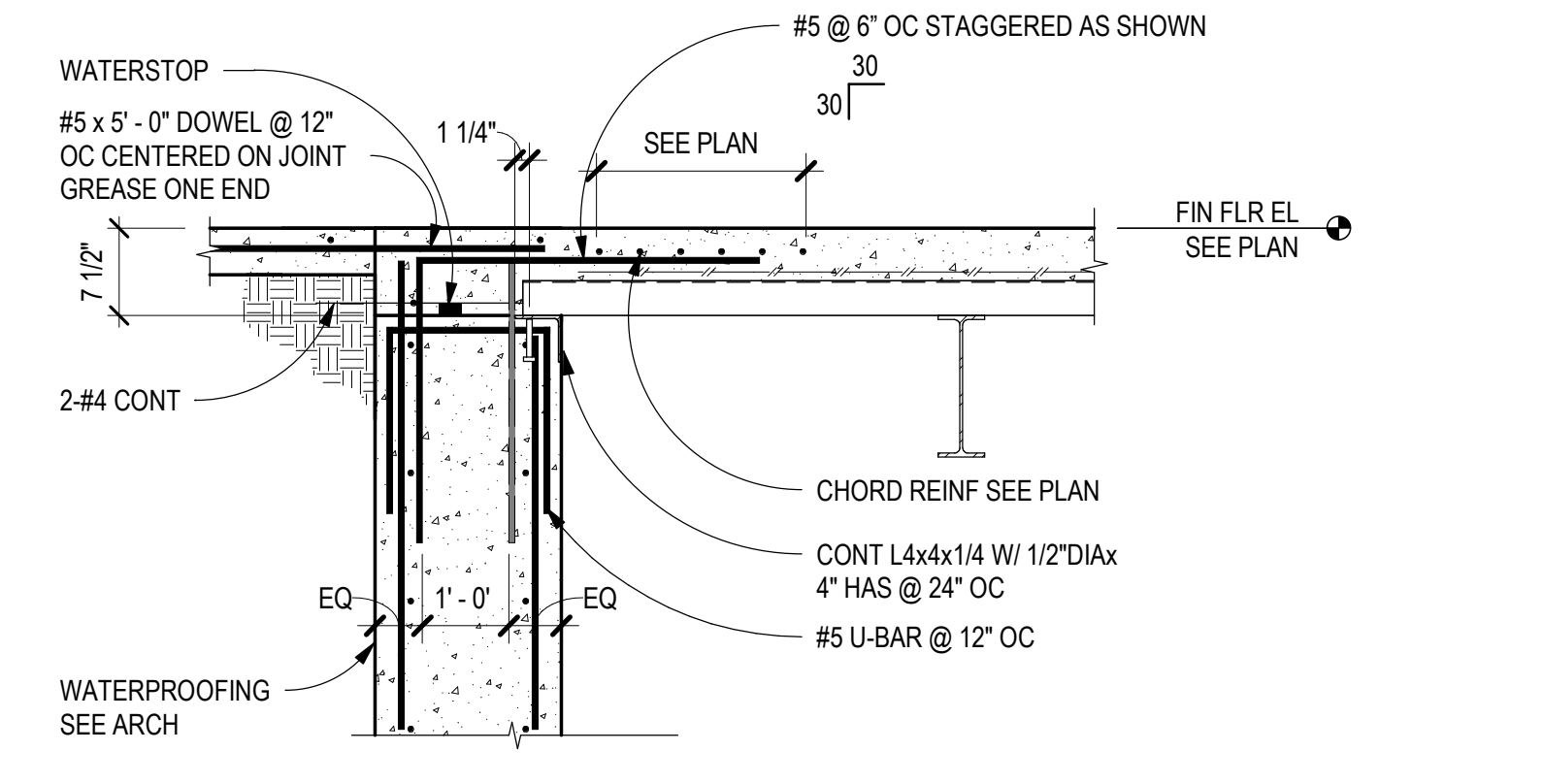
FOUNDATION SECTIONS



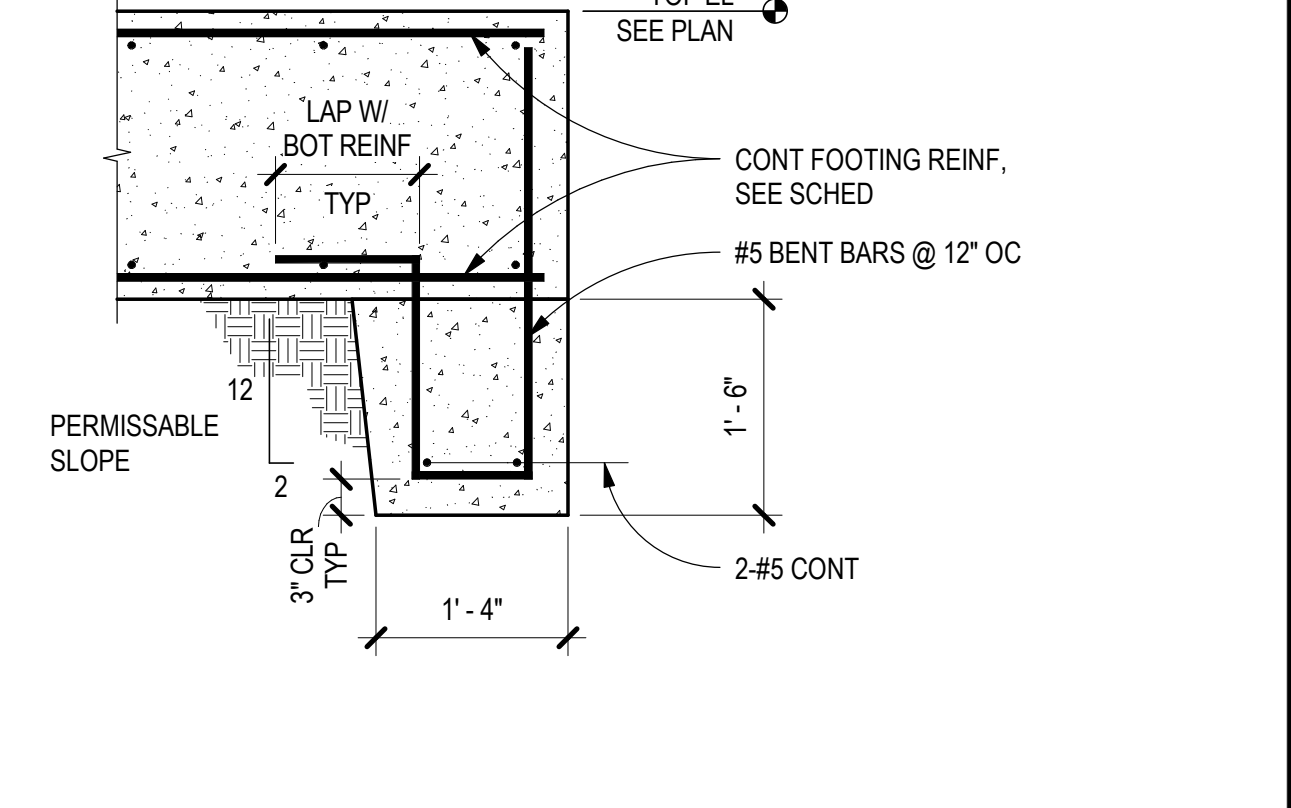
D5 BASEMENT WALL SECTION
SCALE: 3/4" = 1'-0"



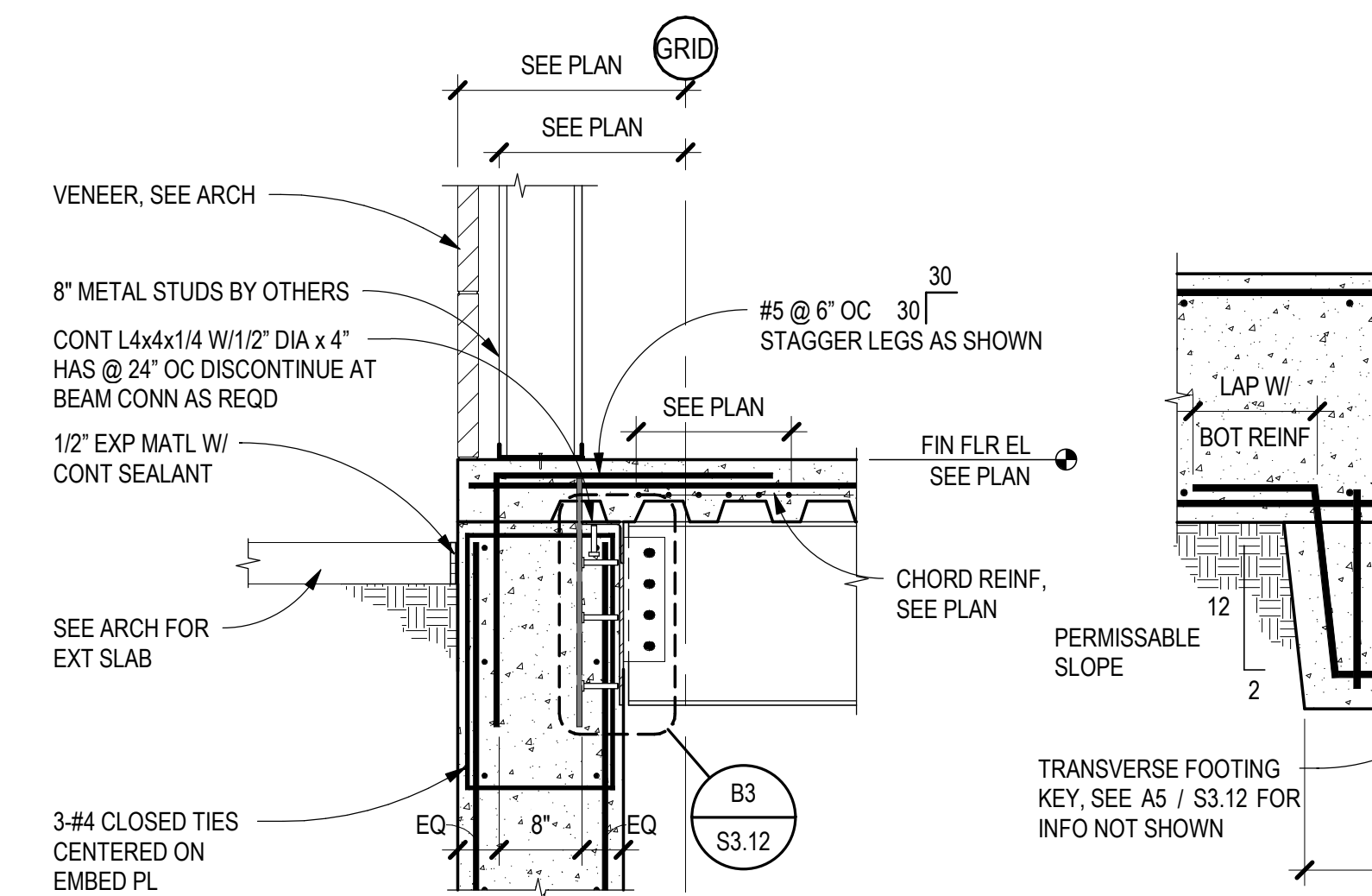
D4 BASEMENT WALL SECTION
SCALE: 3/4" = 1'-0"



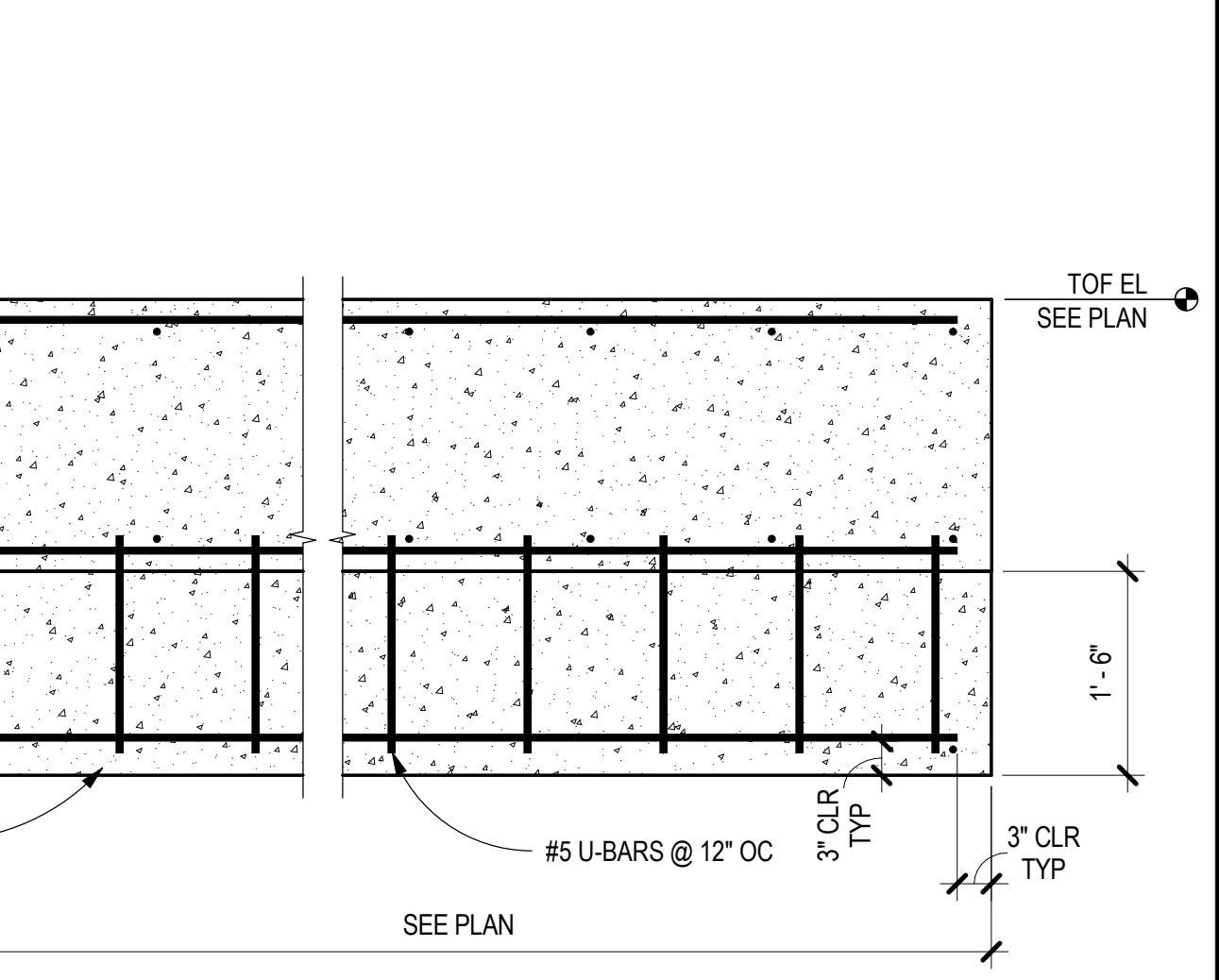
C4 BASEMENT WALL SECTION
SCALE: 3/4" = 1'-0"



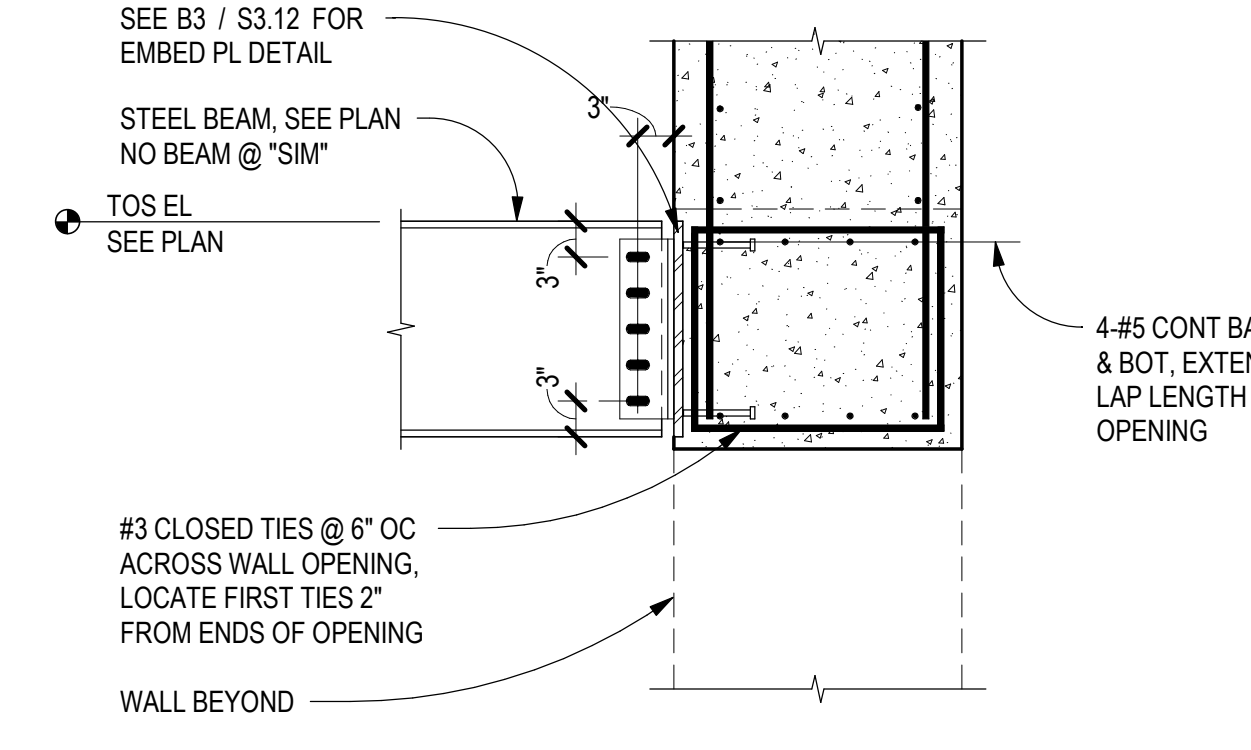
C5 TRANSVERSE FOOTING KEY SECTION
SCALE: 3/4" = 1'-0"



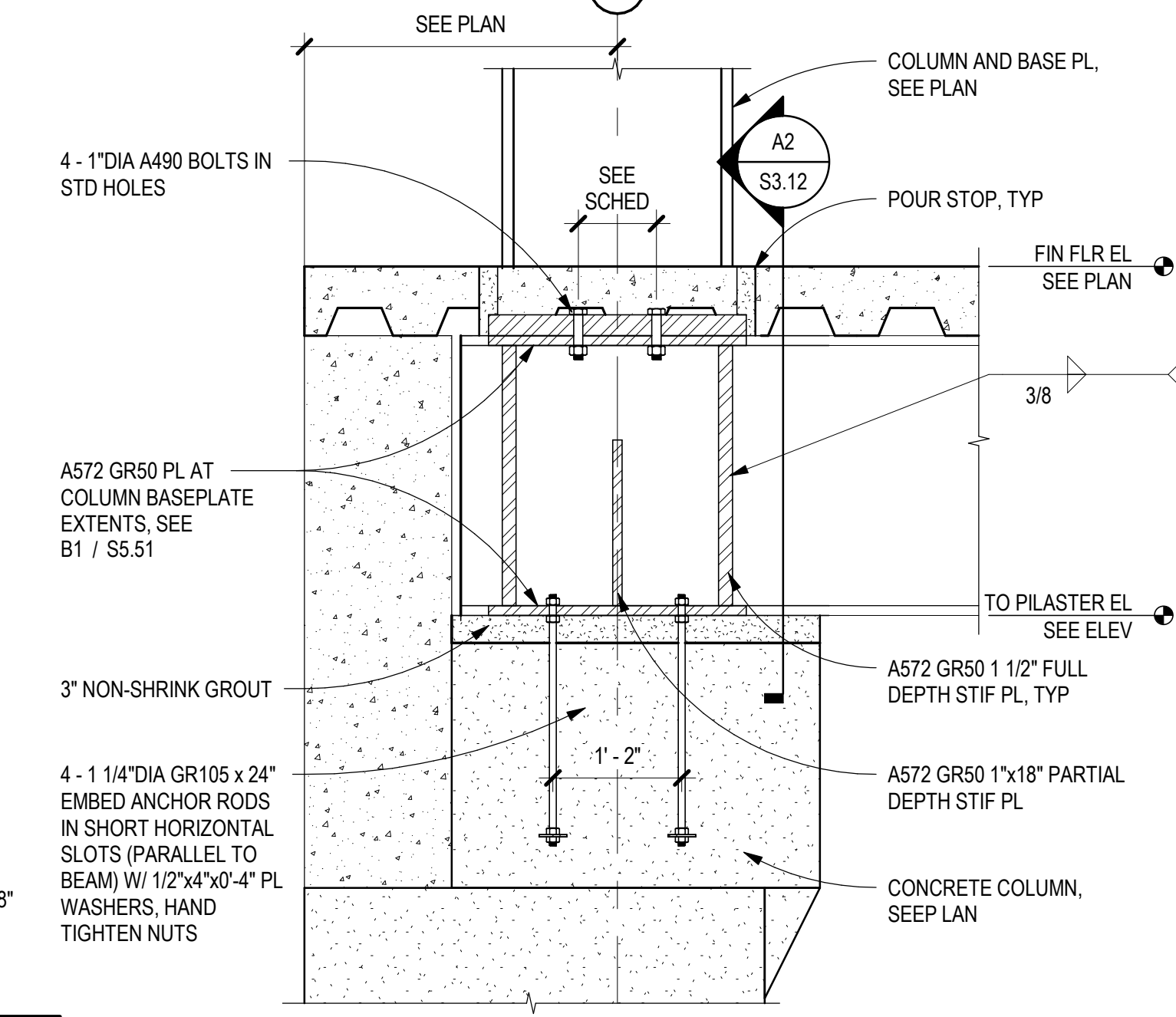
B4 BASEMENT WALL SECTION
SCALE: 3/4" = 1'-0"



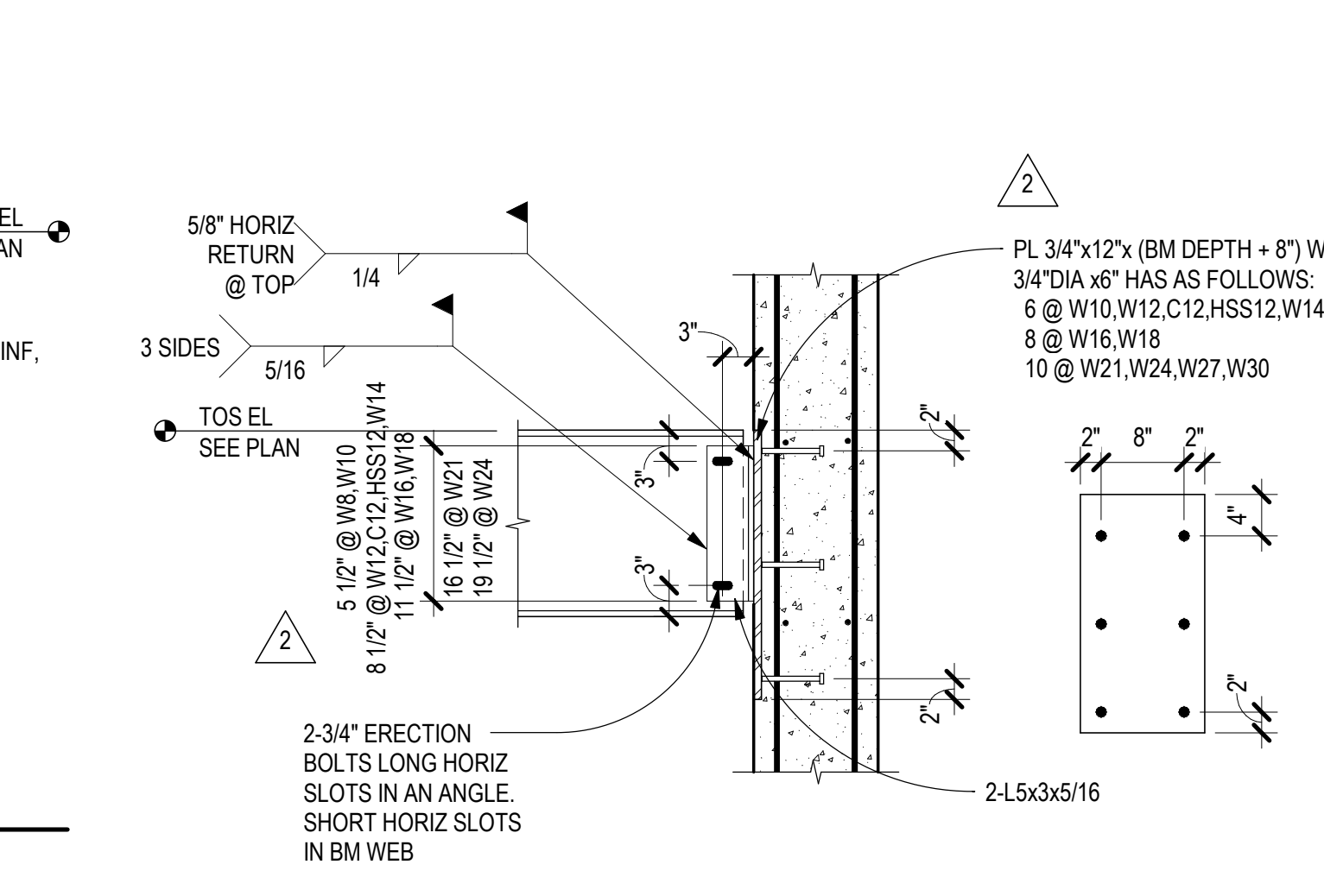
B5 TRANSVERSE FOOTING KEY SECTION
SCALE: 3/4" = 1'-0"



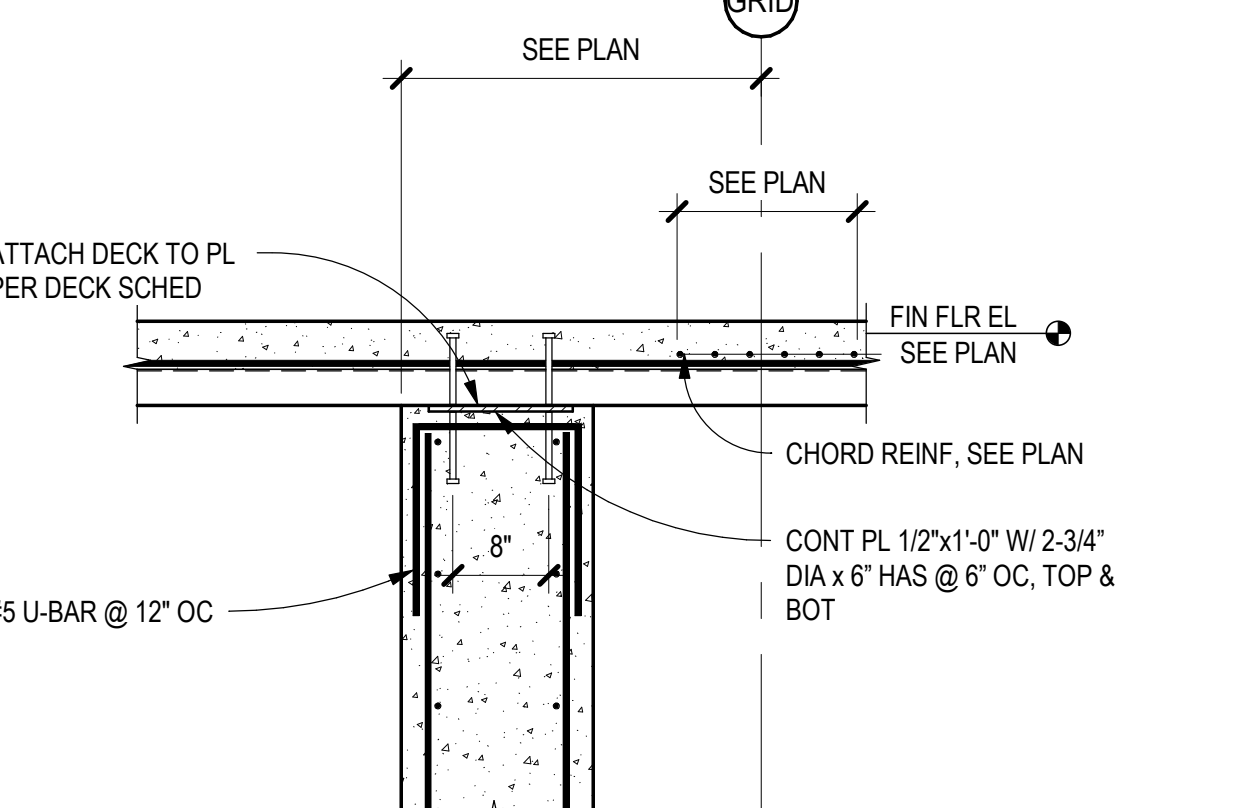
D3 BEAM TO CONC LINTEL DETAIL
SCALE: 3/4" = 1'-0"



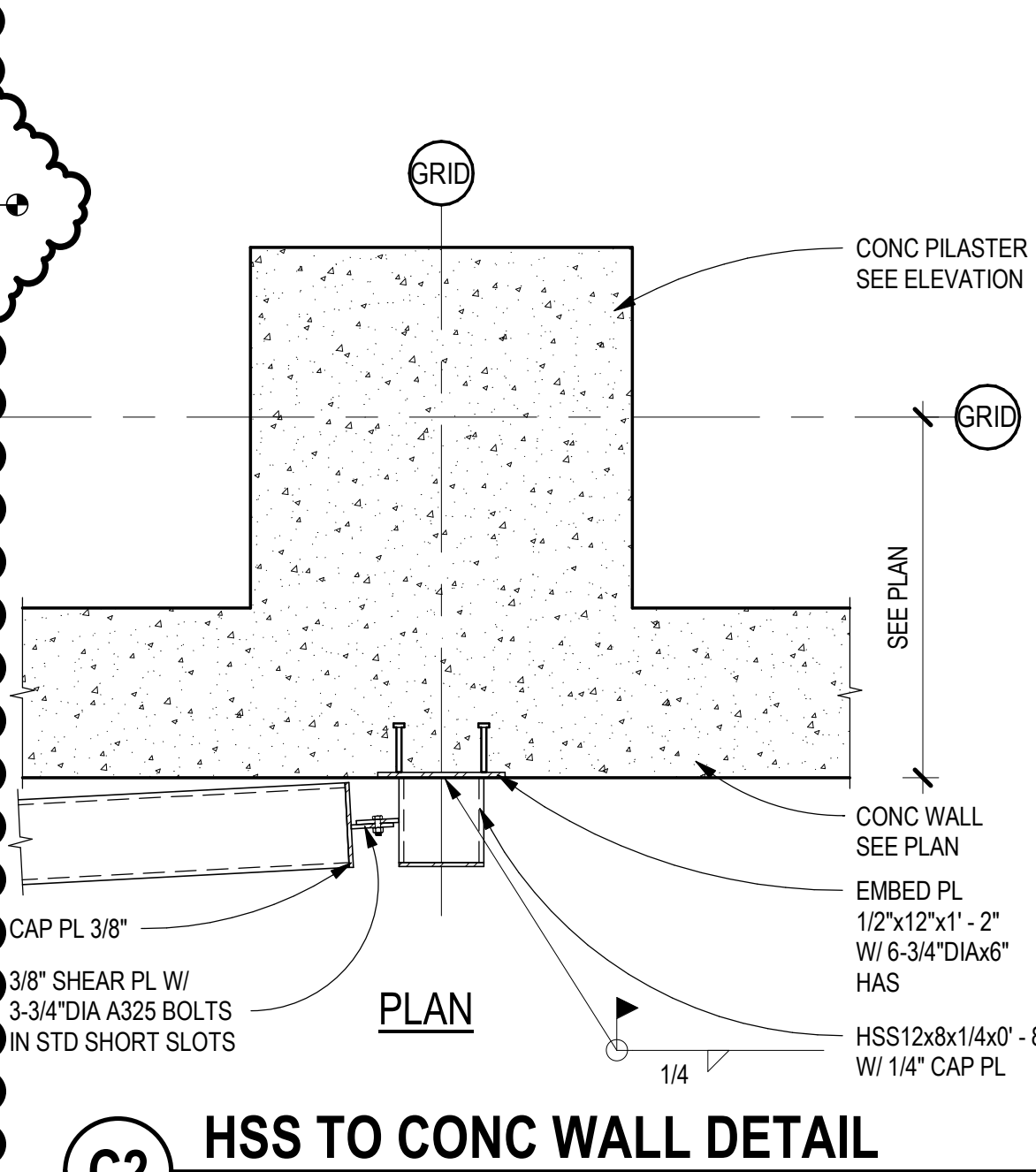
C3 PERIM COLUMN SECT @ E-1 & E-4 ONLY
SCALE: 3/4" = 1'-0"



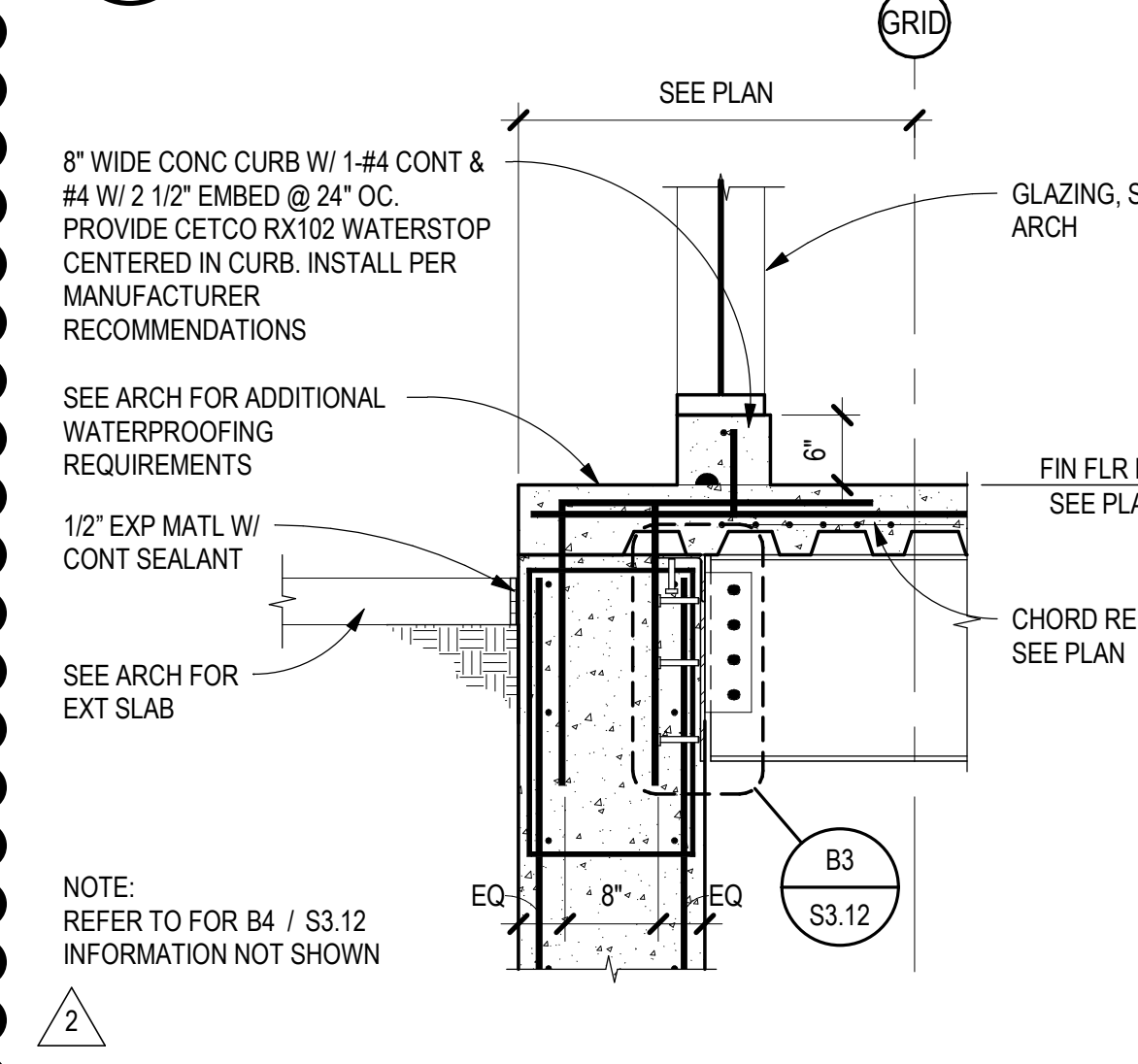
B3 BEAM TO CONC WALL DETAIL
SCALE: 3/4" = 1'-0"



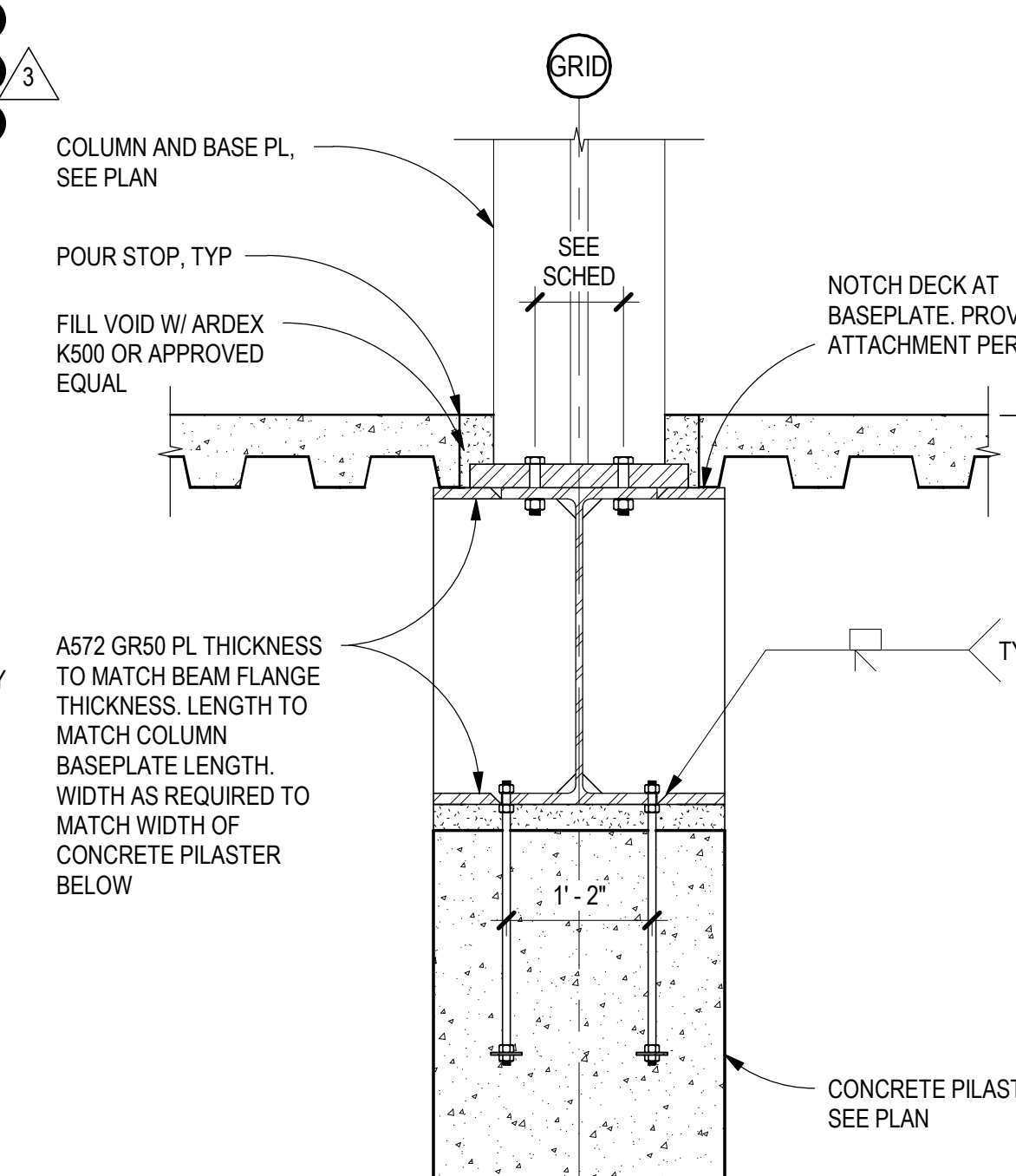
A3 BASEMENT WALL SECTION
SCALE: 3/4" = 1'-0"



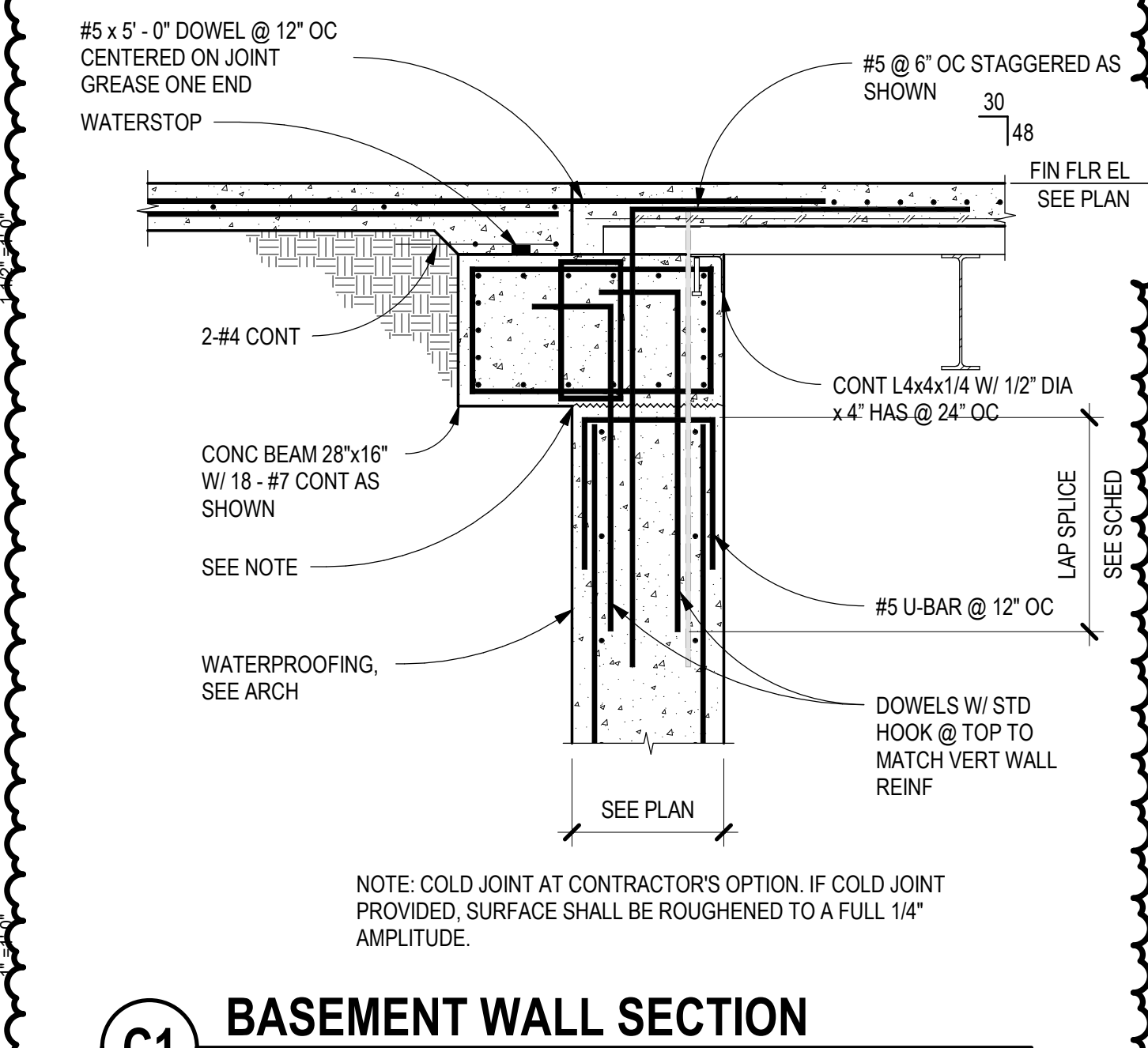
C2 HSS TO CONC WALL DETAIL
SCALE: 3/4" = 1'-0"



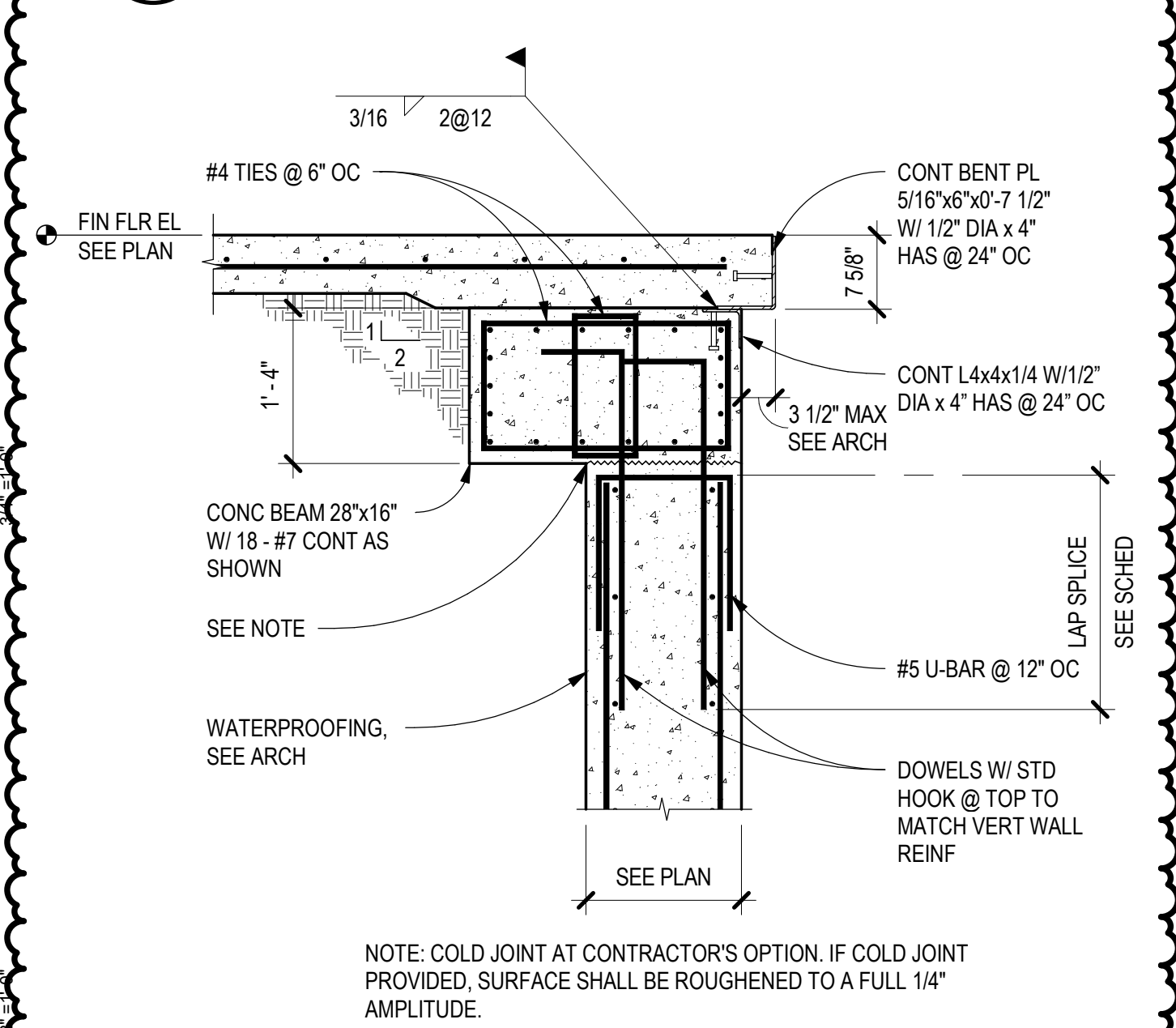
B2 BASEMENT WALL SECTION
SCALE: 3/4" = 1'-0"



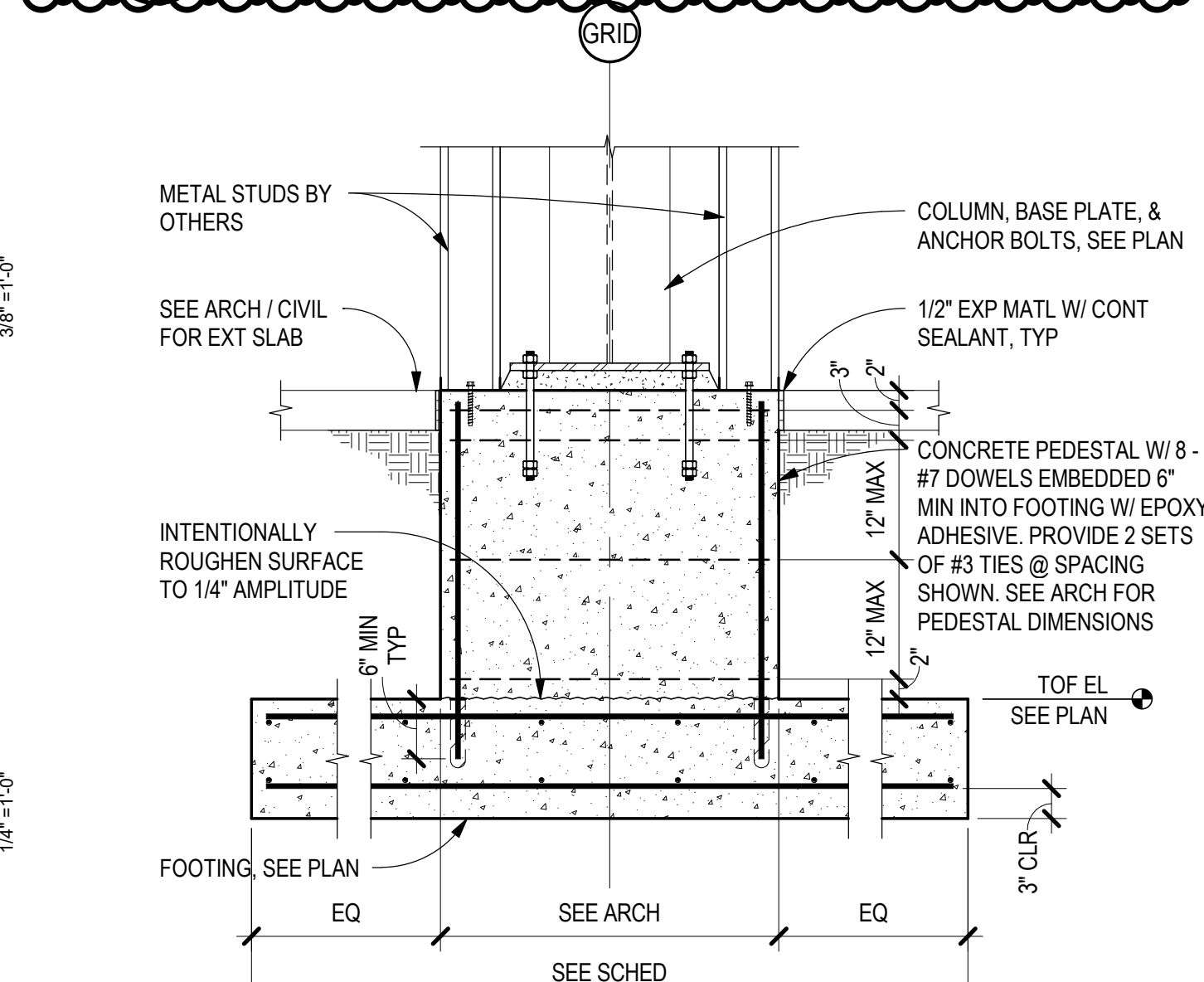
A2 MF COLUMN ON BEAM DETAIL
SCALE: 3/4" = 1'-0"



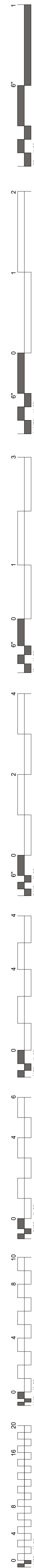
C1 BASEMENT WALL SECTION
SCALE: 3/4" = 1'-0"

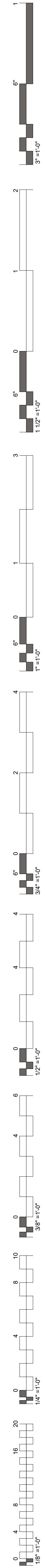


B1 BASEMENT WALL SECTION
SCALE: 3/4" = 1'-0"

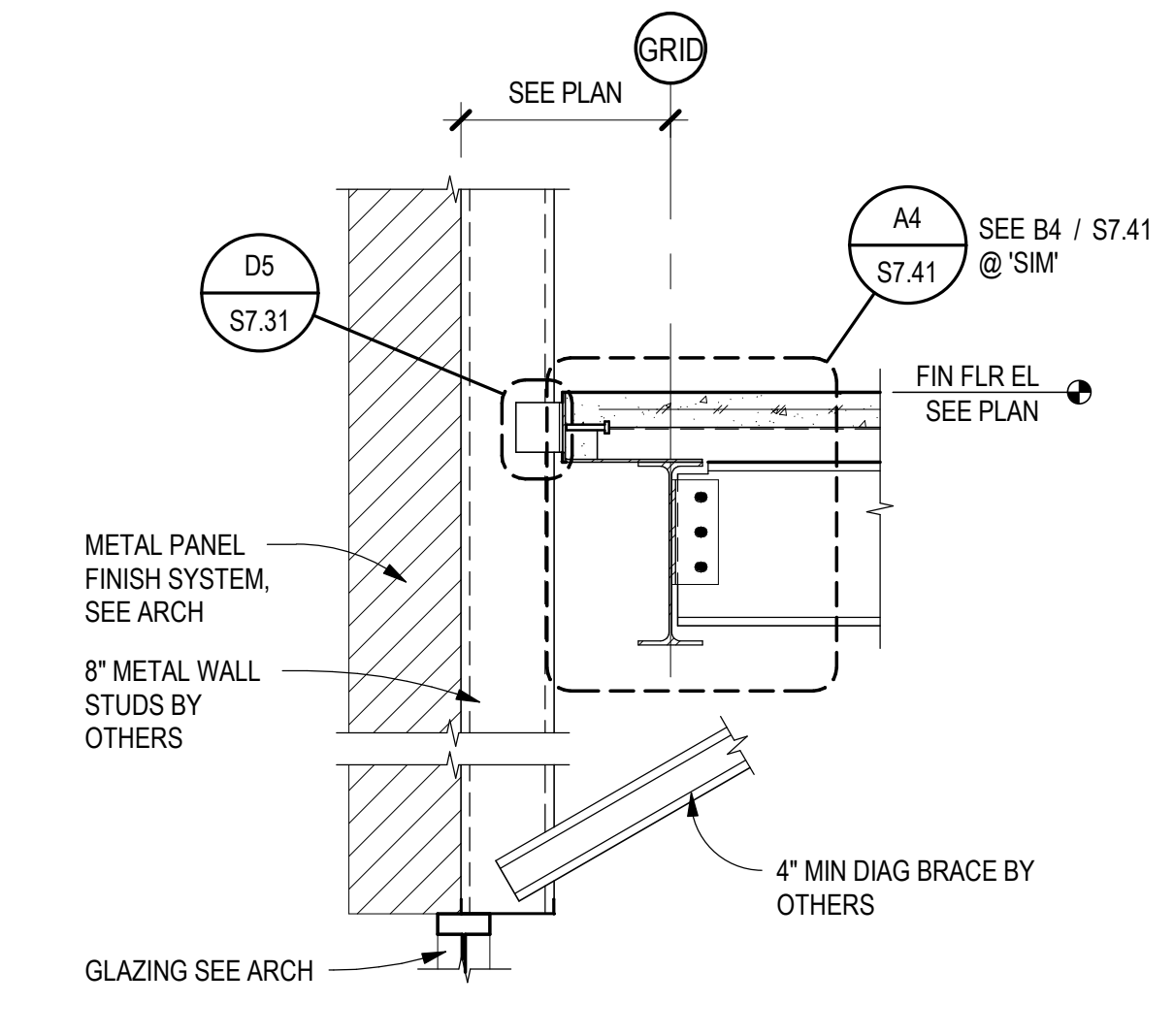


A1 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"

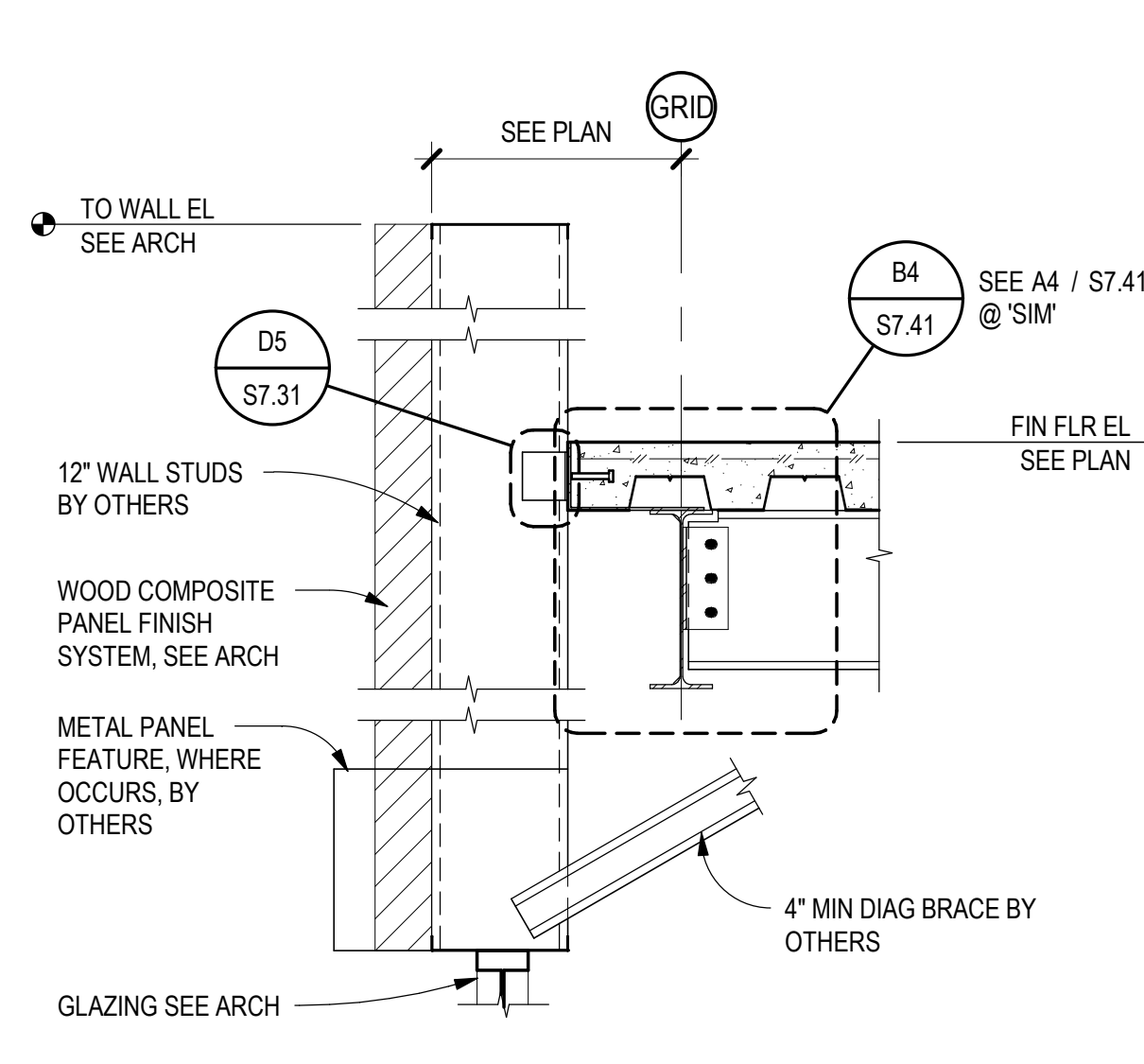




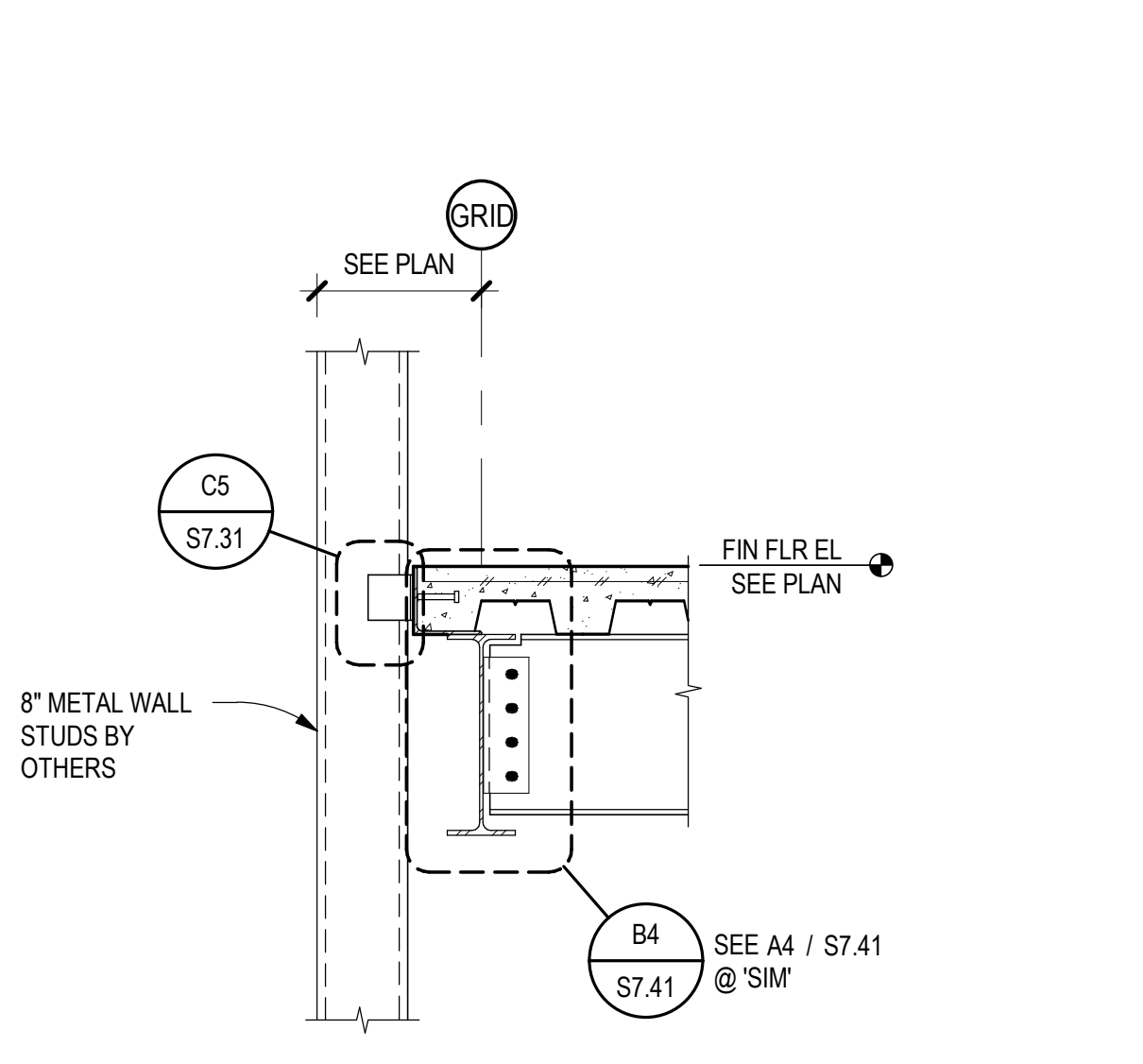
D1 FRAMING SECTION
SCALE: 3/4" = 1'-0"



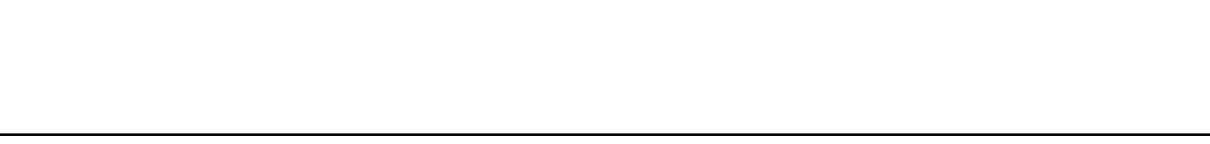
C1 FRAMING SECTION
SCALE: 3/4" = 1'-0"



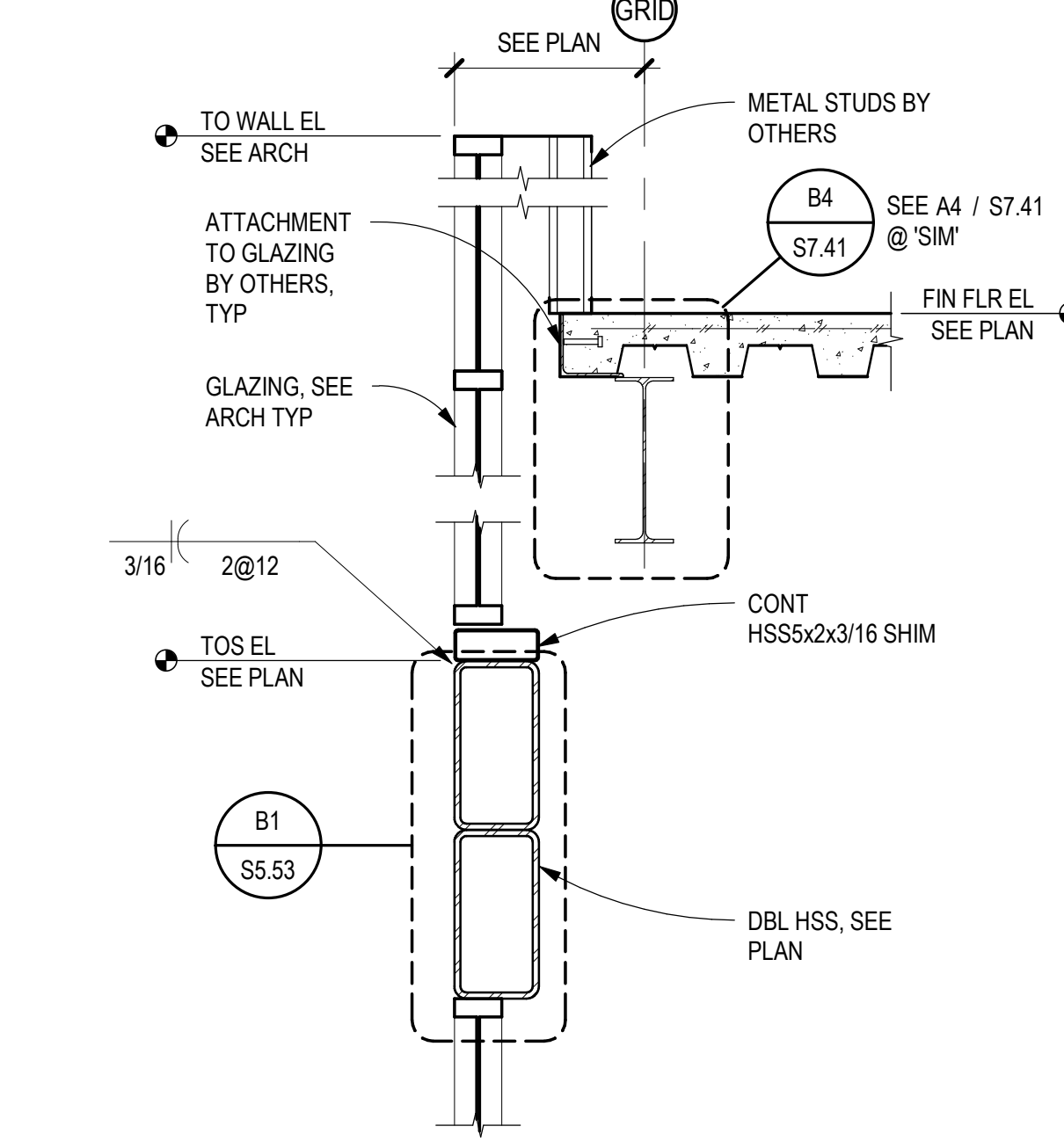
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SCALE: 3/4" = 1'-0"



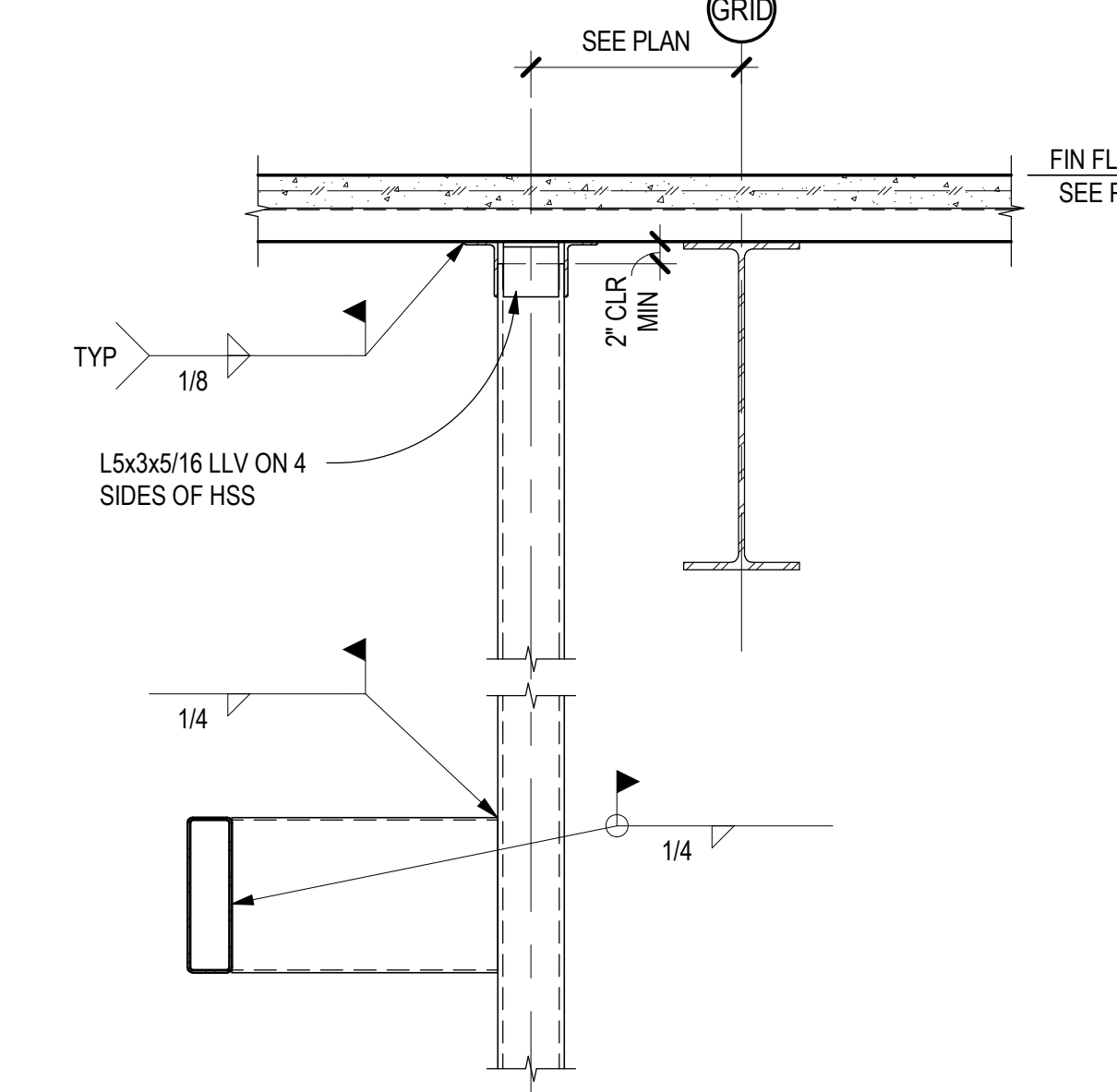
A1 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"



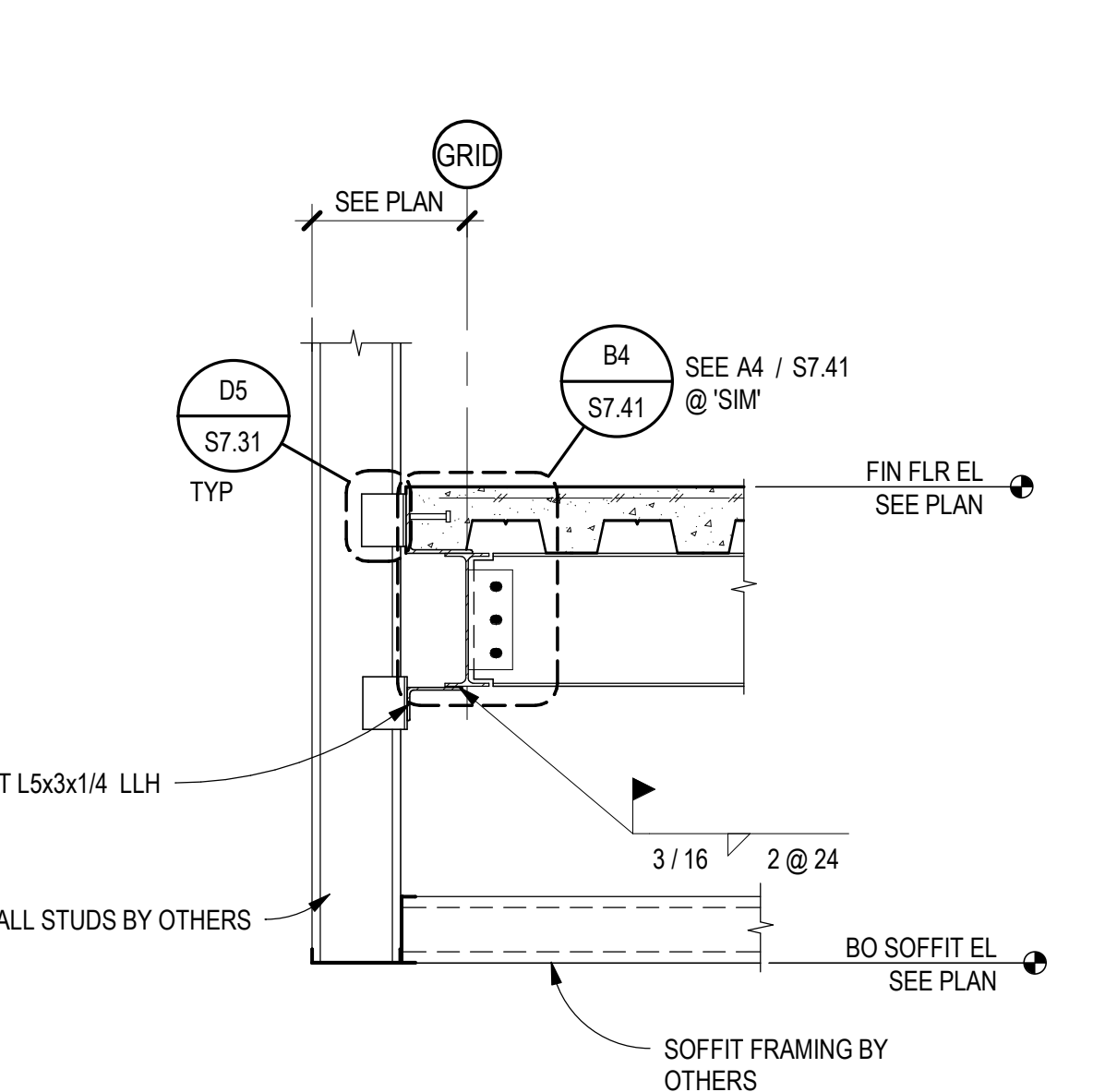
D2 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



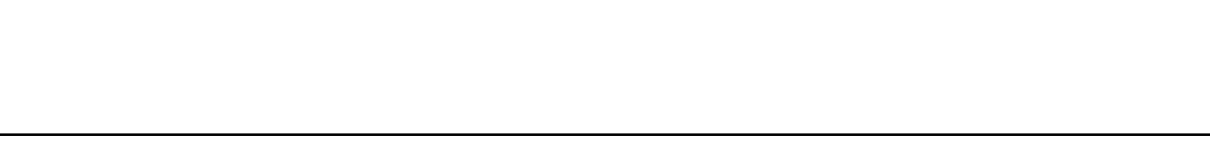
C2 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



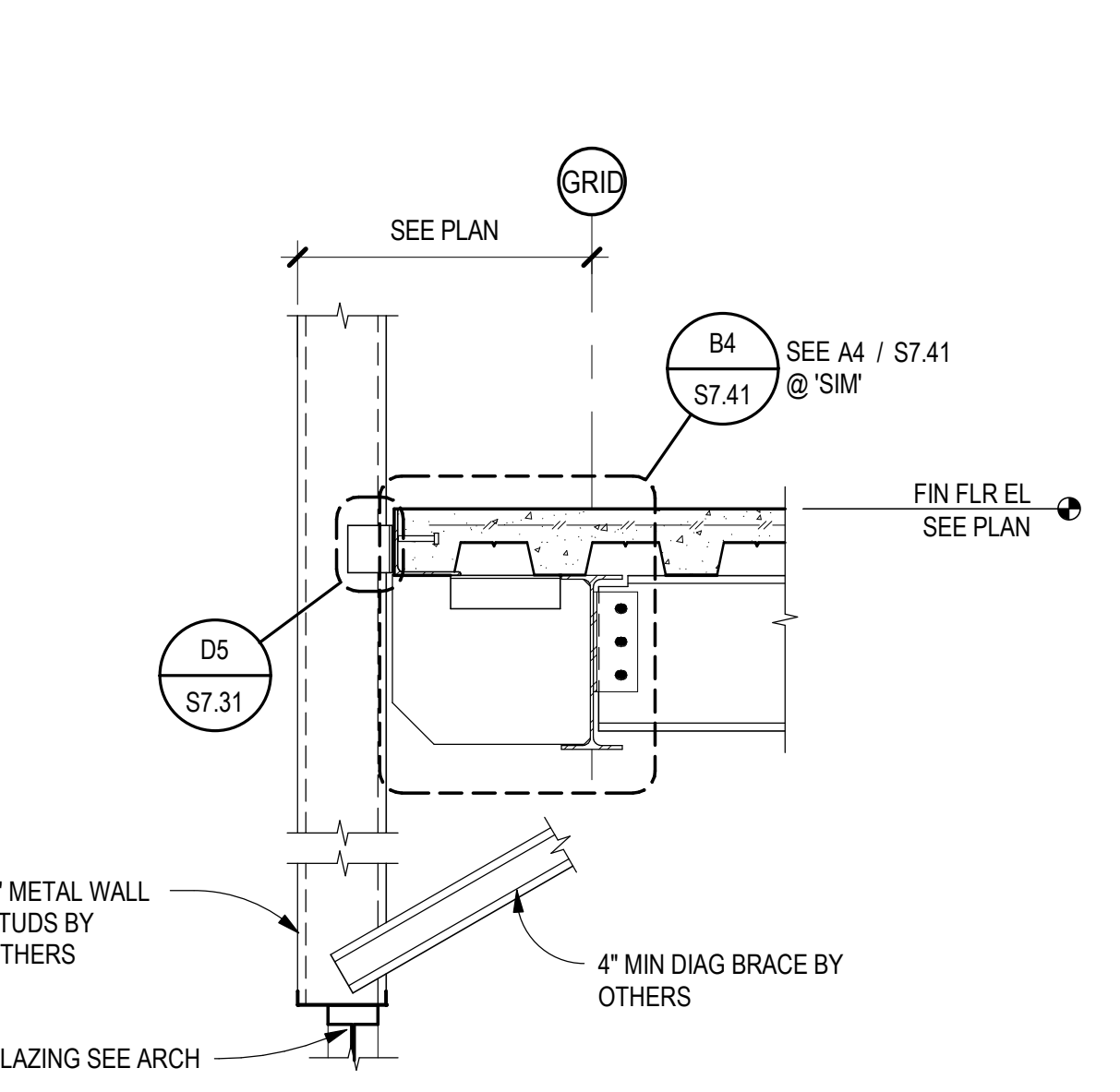
B2 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



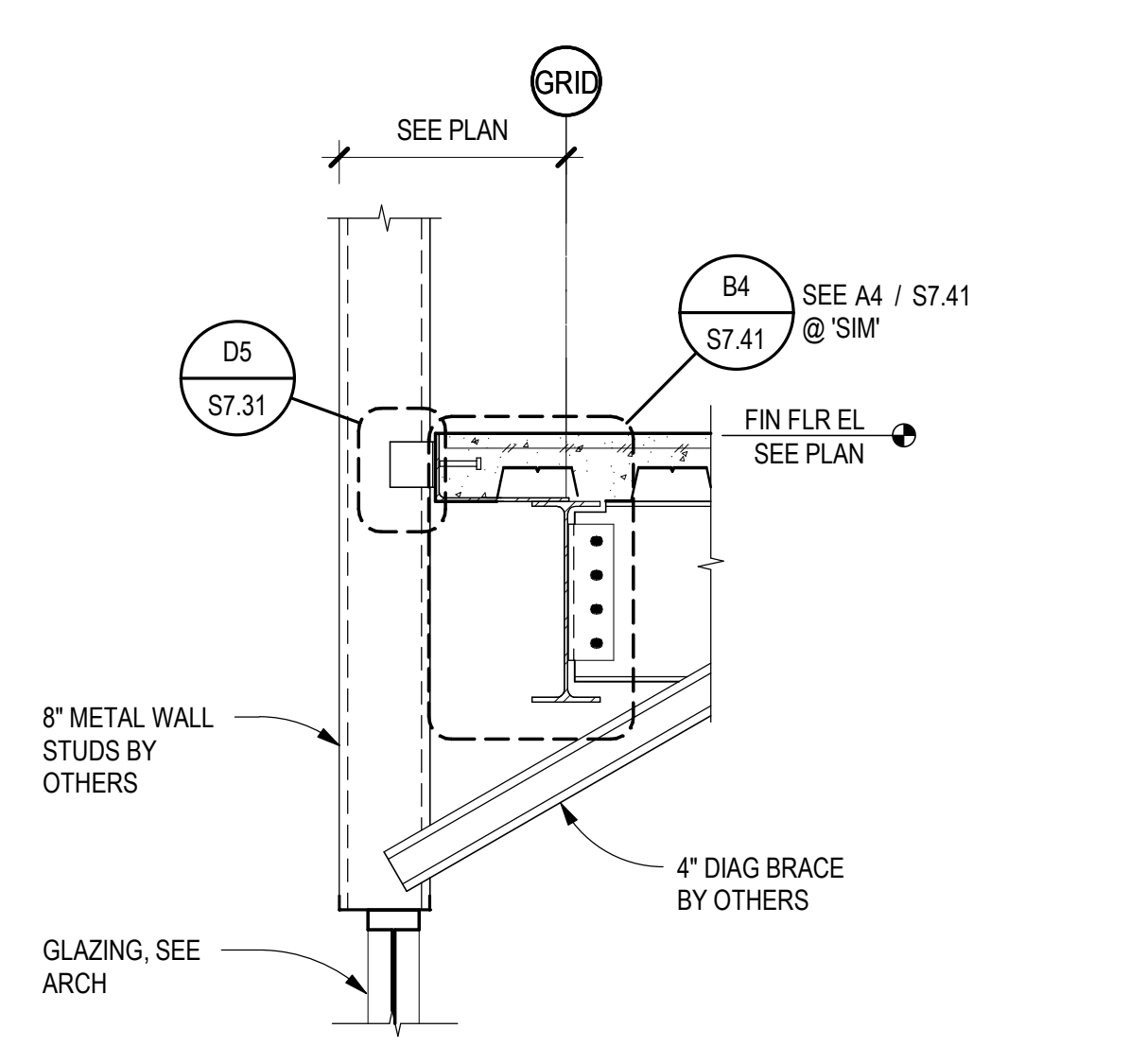
A2 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"



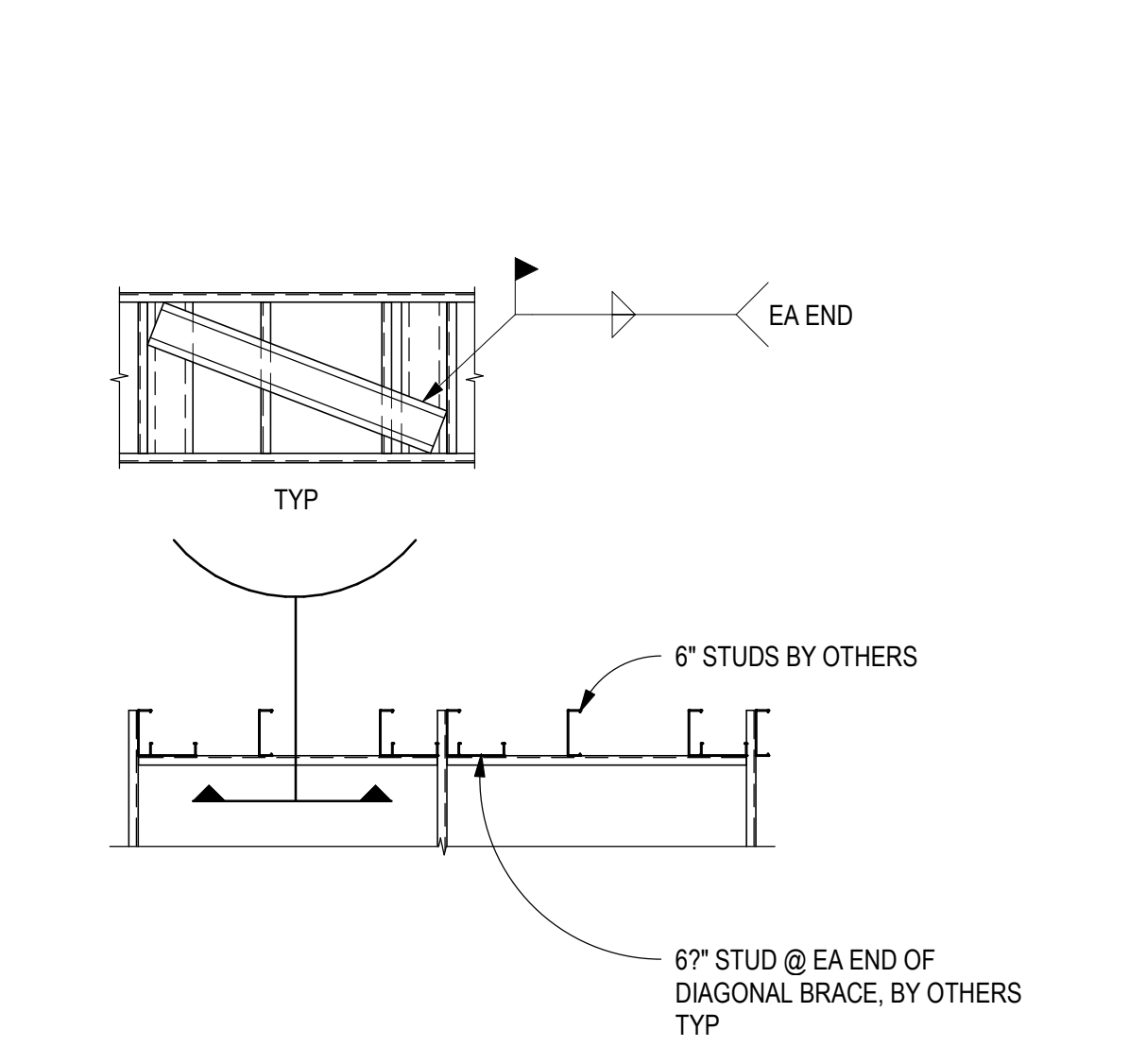
D3 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"



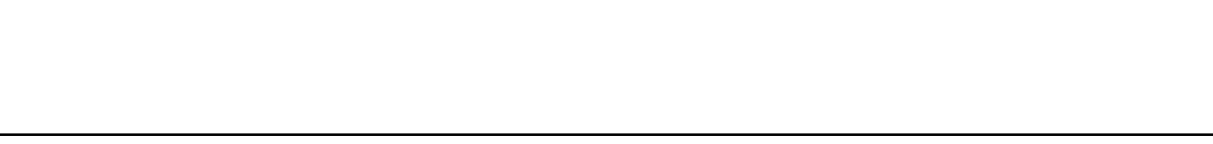
C3 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"



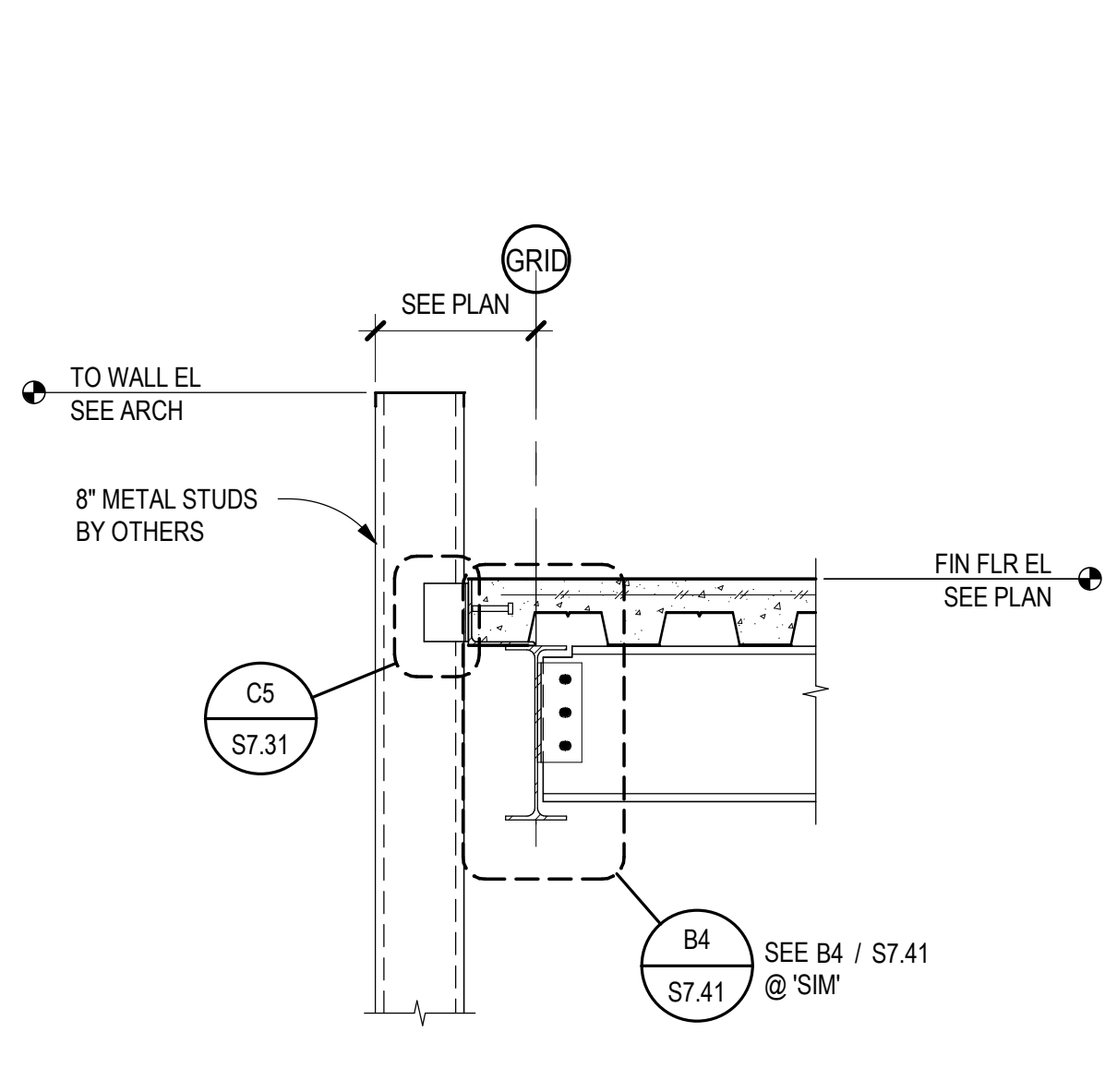
B3 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"



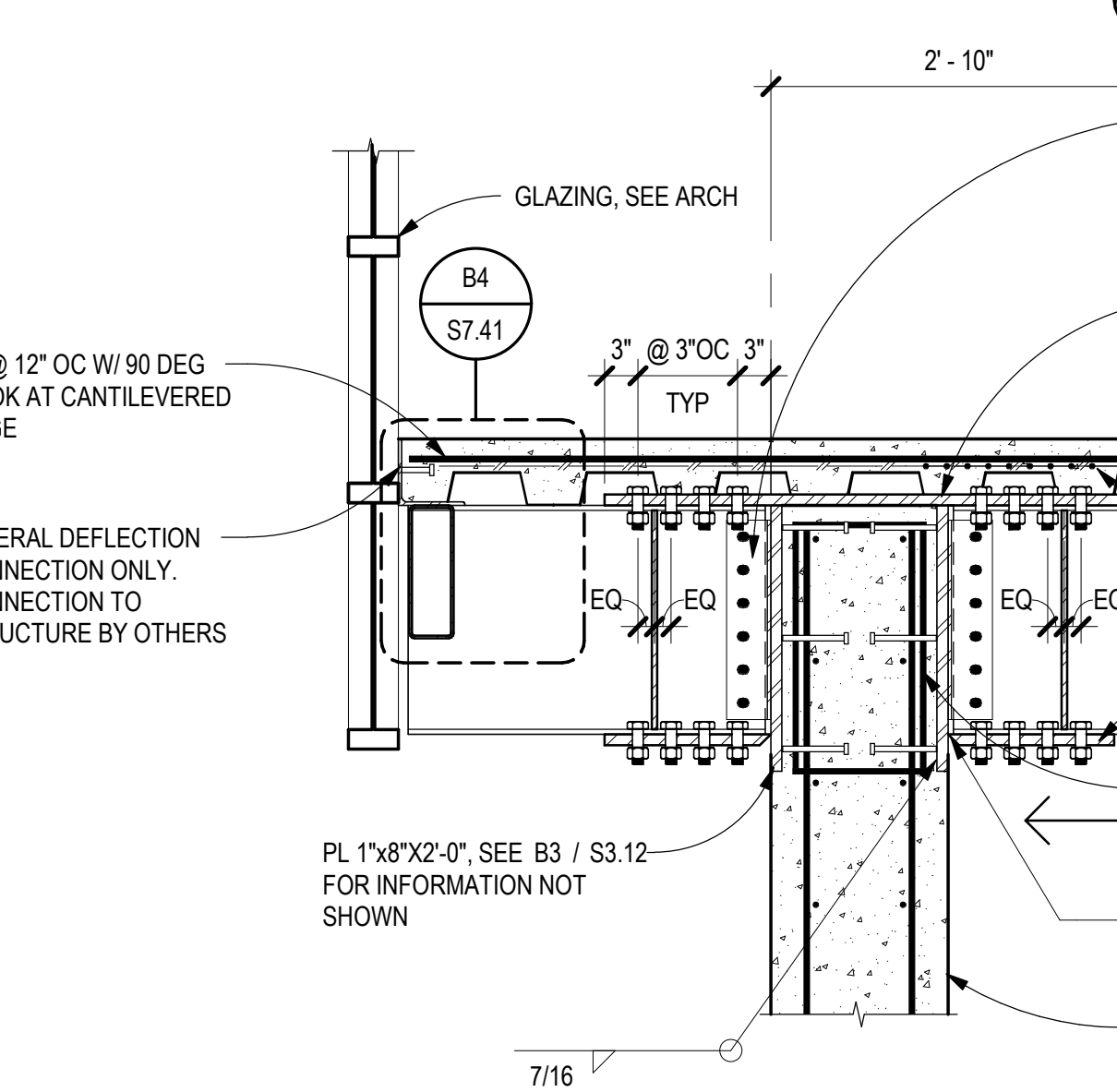
A3 DIAGONAL BRACING SECTION
SCALE: 1/2" = 1'-0"



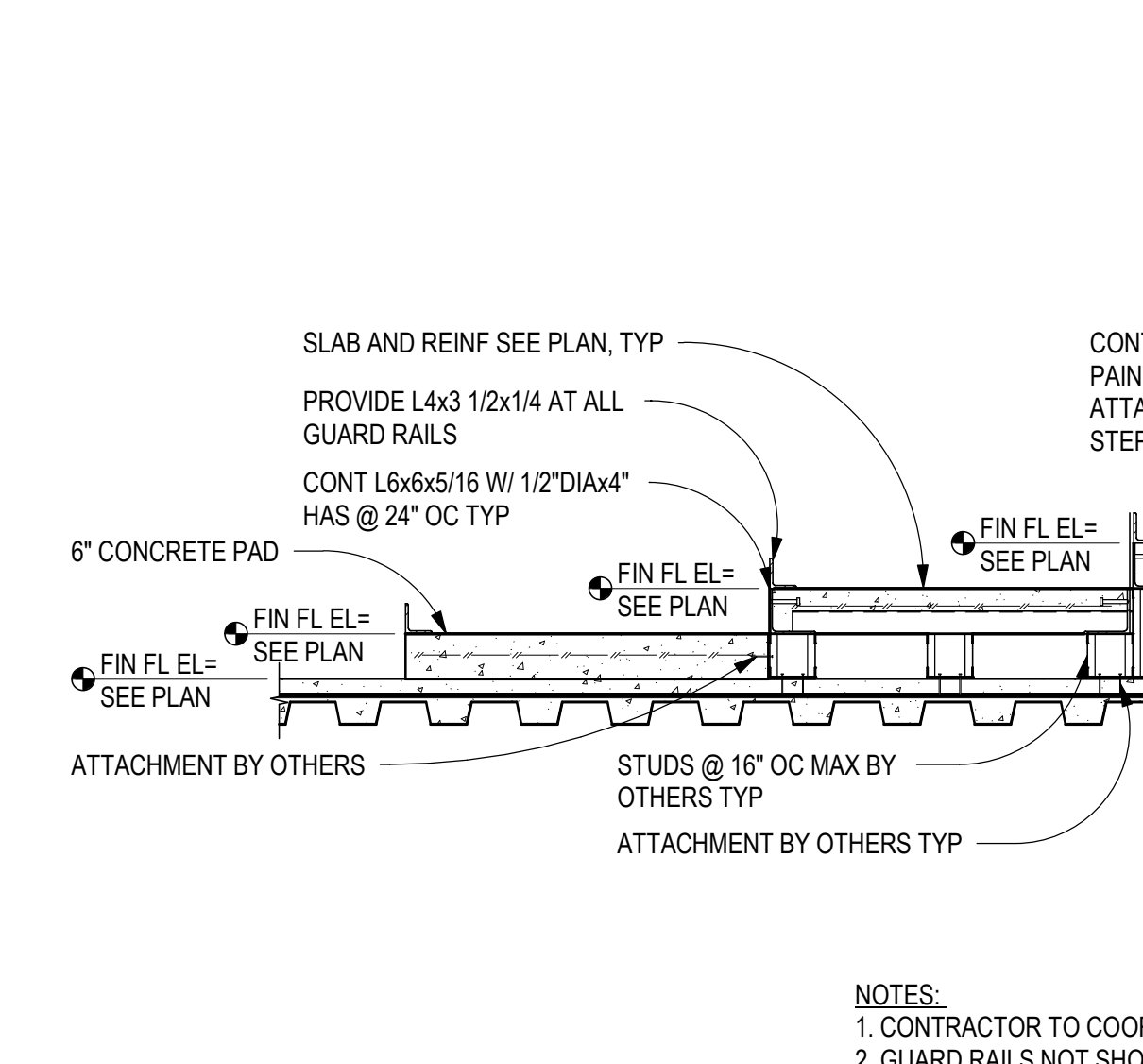
D4 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"



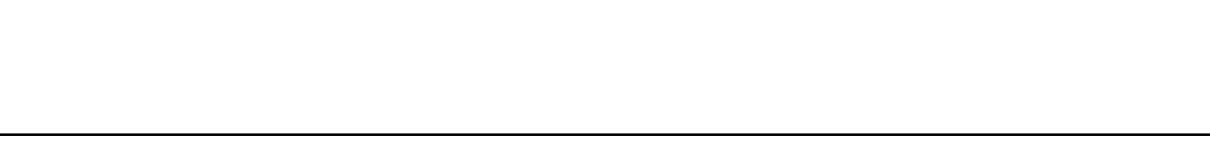
C4 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



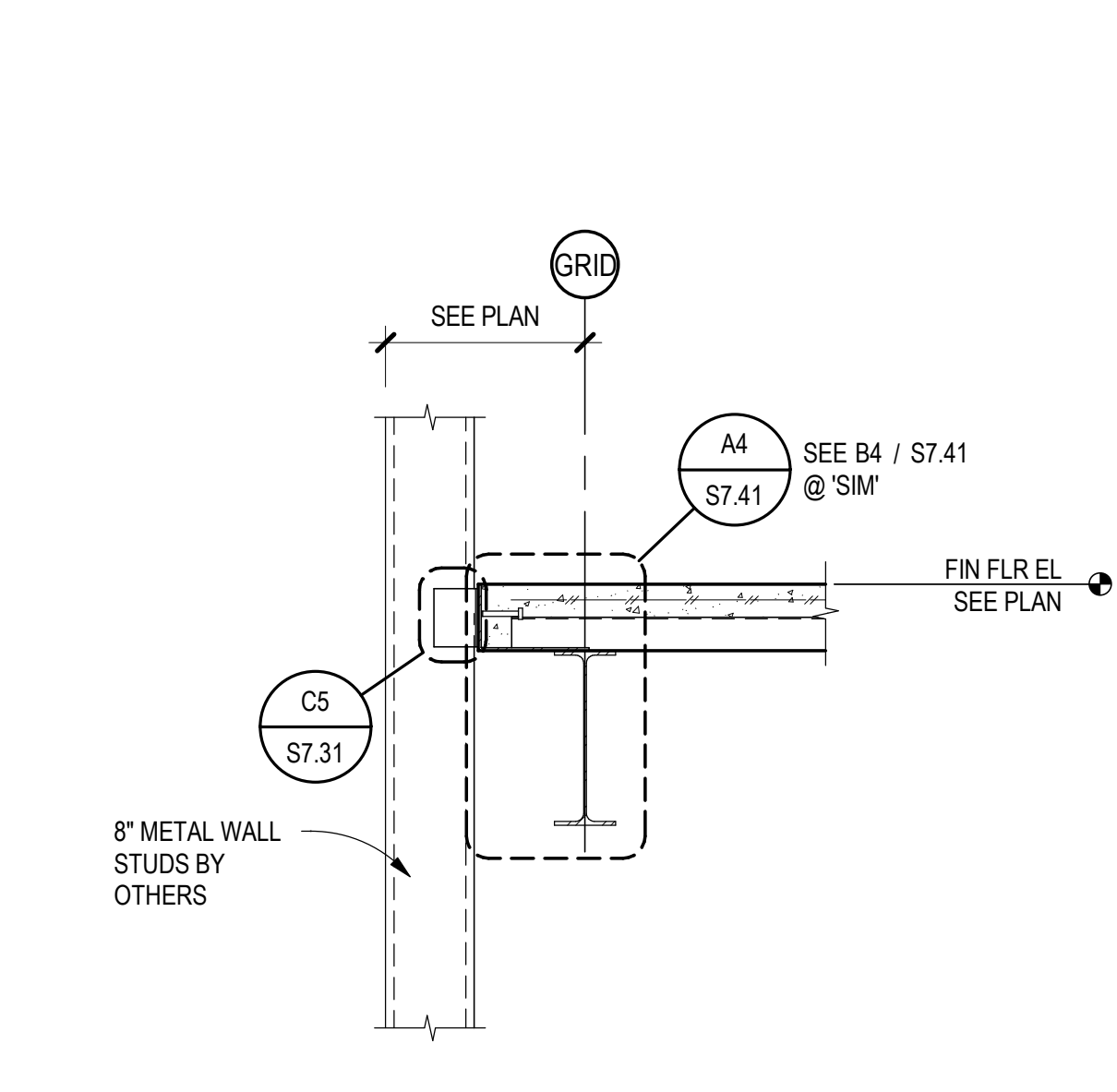
B4 BASEMENT WALL SECTION
SCALE: 3/4" = 1'-0"



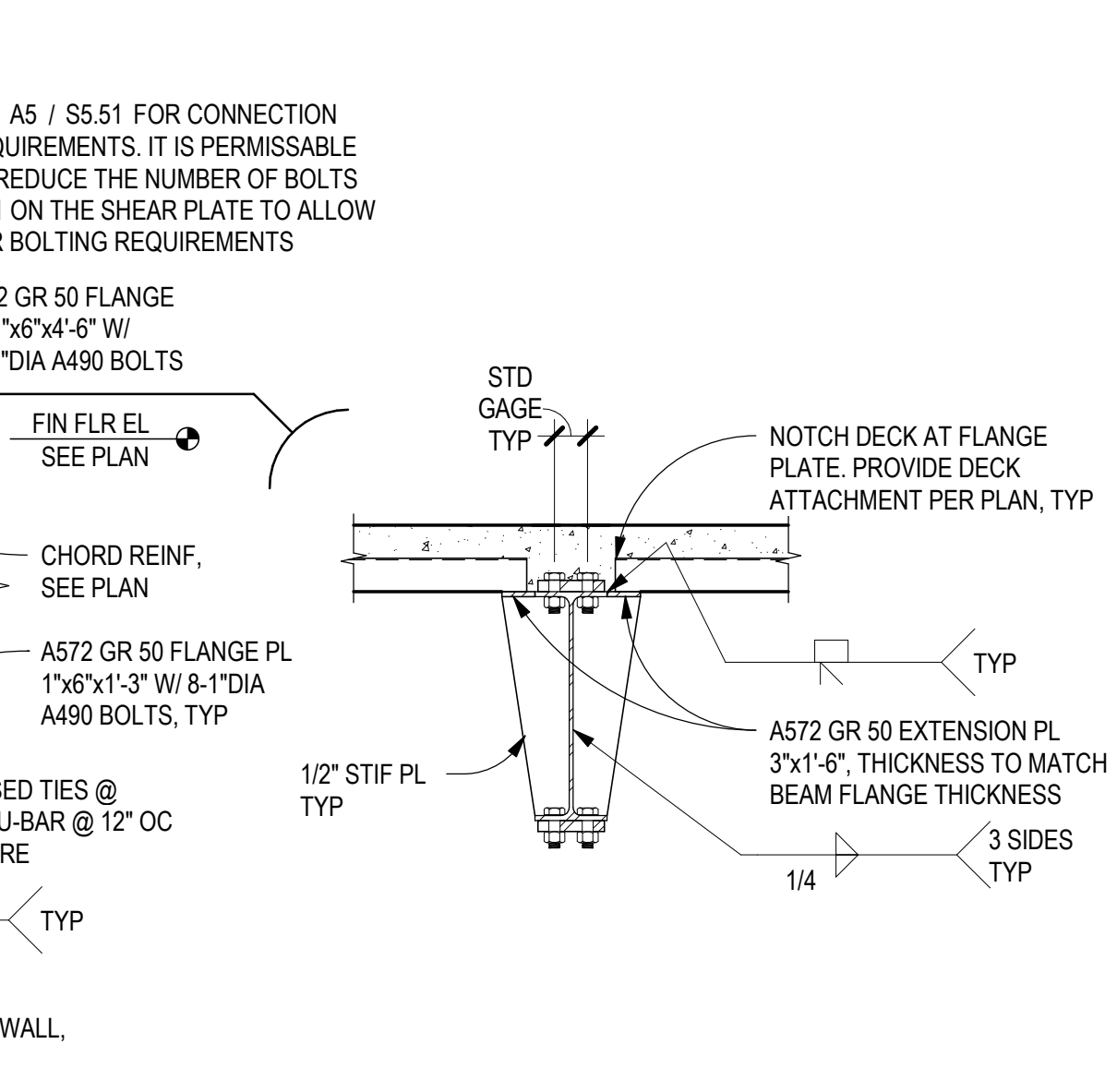
A4 FLOOR FRAMING SECTION @ LECTURE HALL
SCALE: 1/2" = 1'-0"



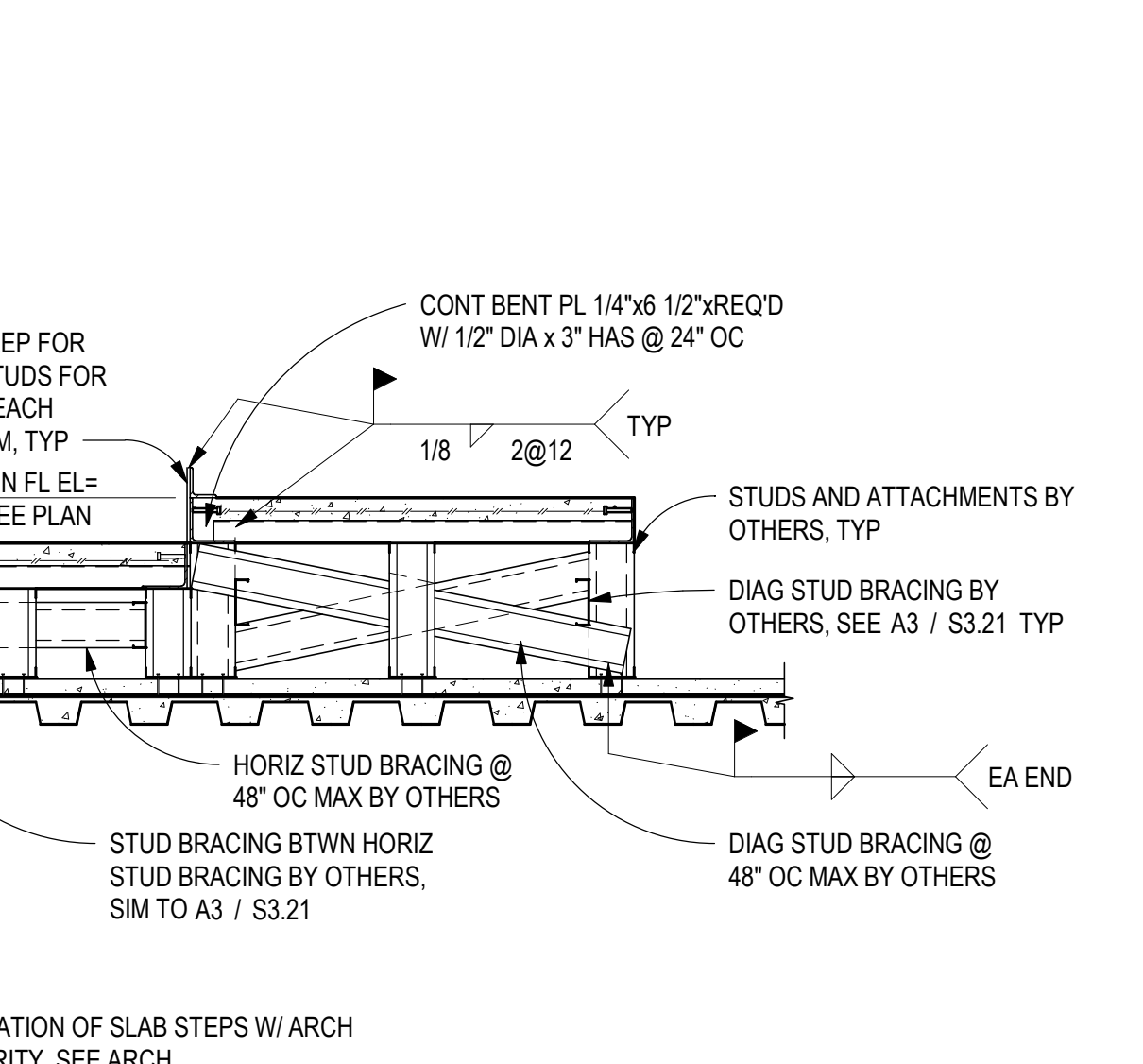
D5 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



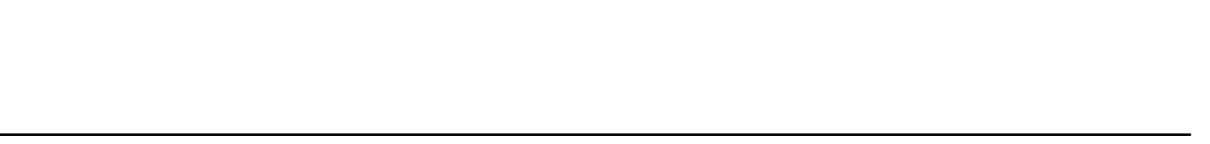
C5 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"



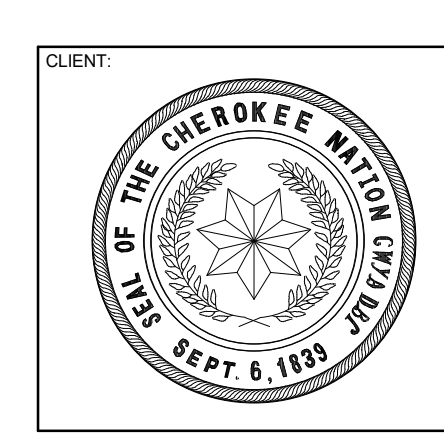
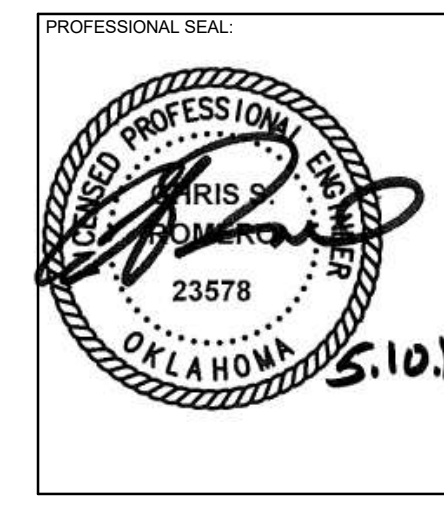
B4 BASEMENT WALL SECTION
SCALE: 3/4" = 1'-0"



A4 FLOOR FRAMING SECTION @ LECTURE HALL
SCALE: 1/2" = 1'-0"



NOTES:
1. CONTRACTOR TO COORDINATE LOCATION OF SLAB STEPS W/ ARCH
2. GUARD RAILS NOT SHOWN FOR CLARITY. SEE ARCH.



COLLEGE OF Osteopathic Medicine AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA

KEY PLAN:

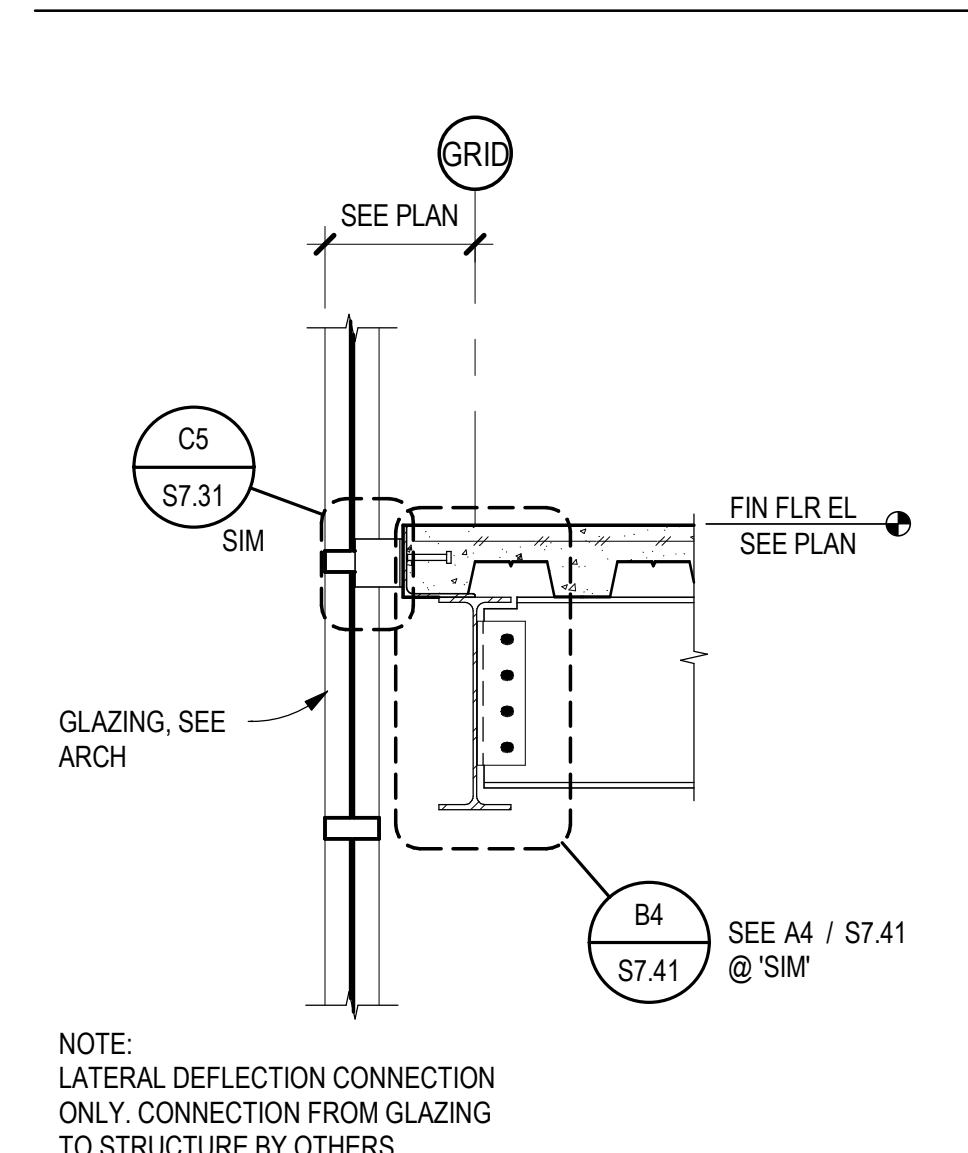
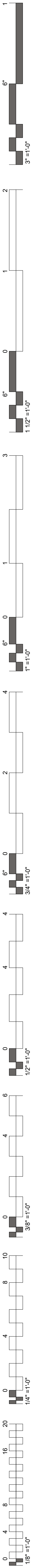
PROJECT PHASE: BID PACKAGE 04

#	DATE	REVISIONS	DESCRIPTION

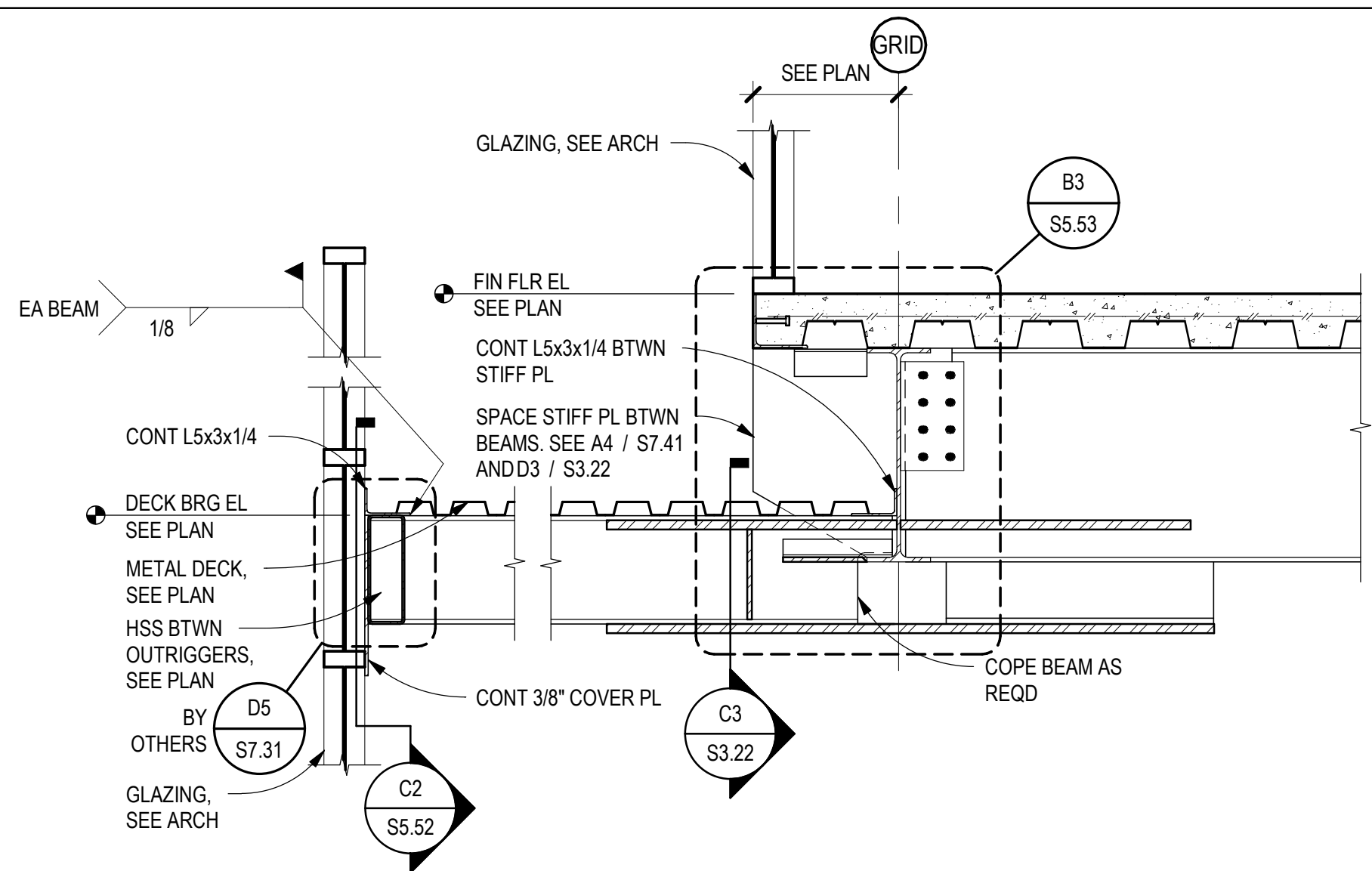
DATE: 05-10-19 JOB NUMBER: 17-13

SHEET NUMBER: S3.21

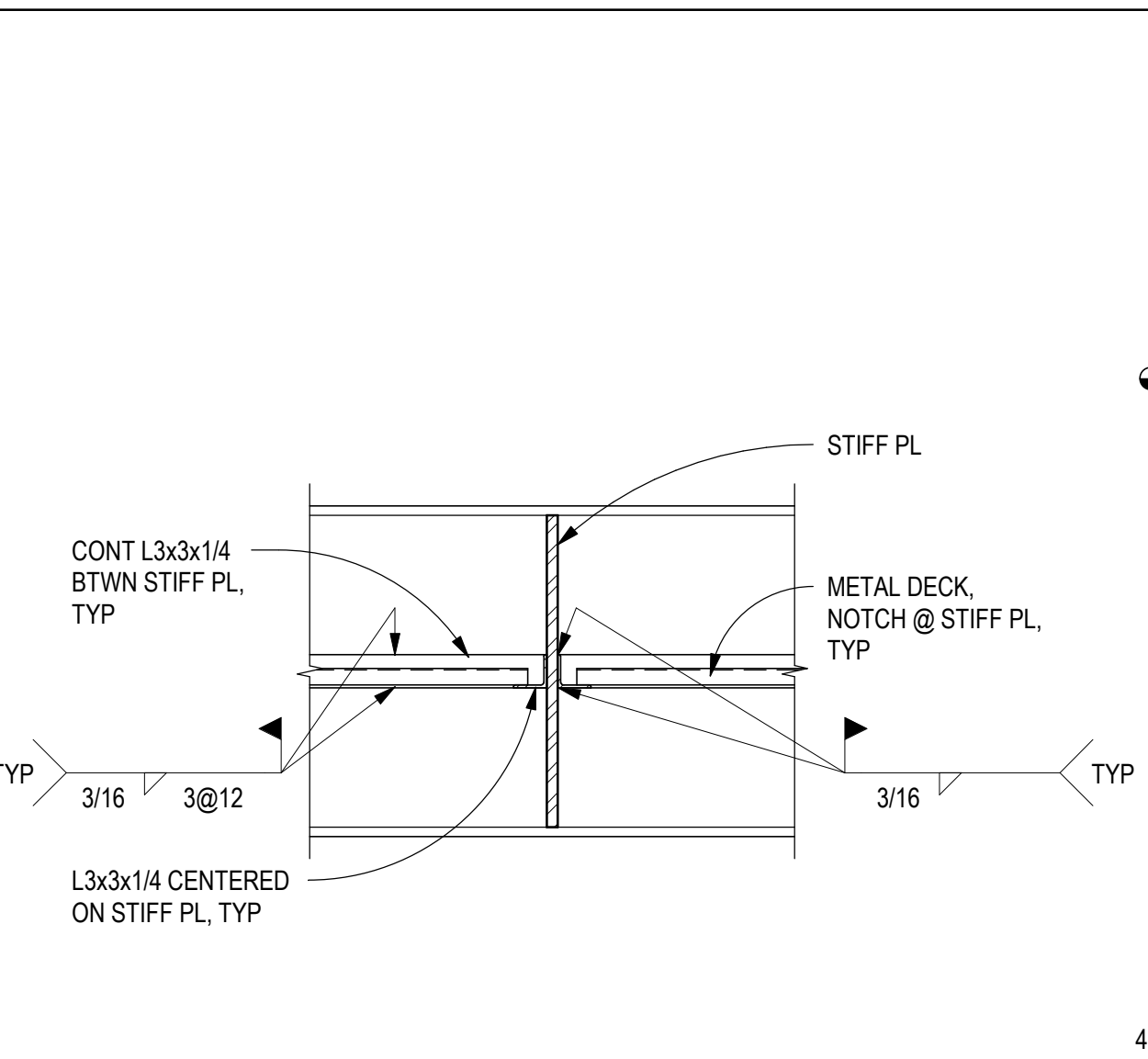
FRAMING SECTIONS



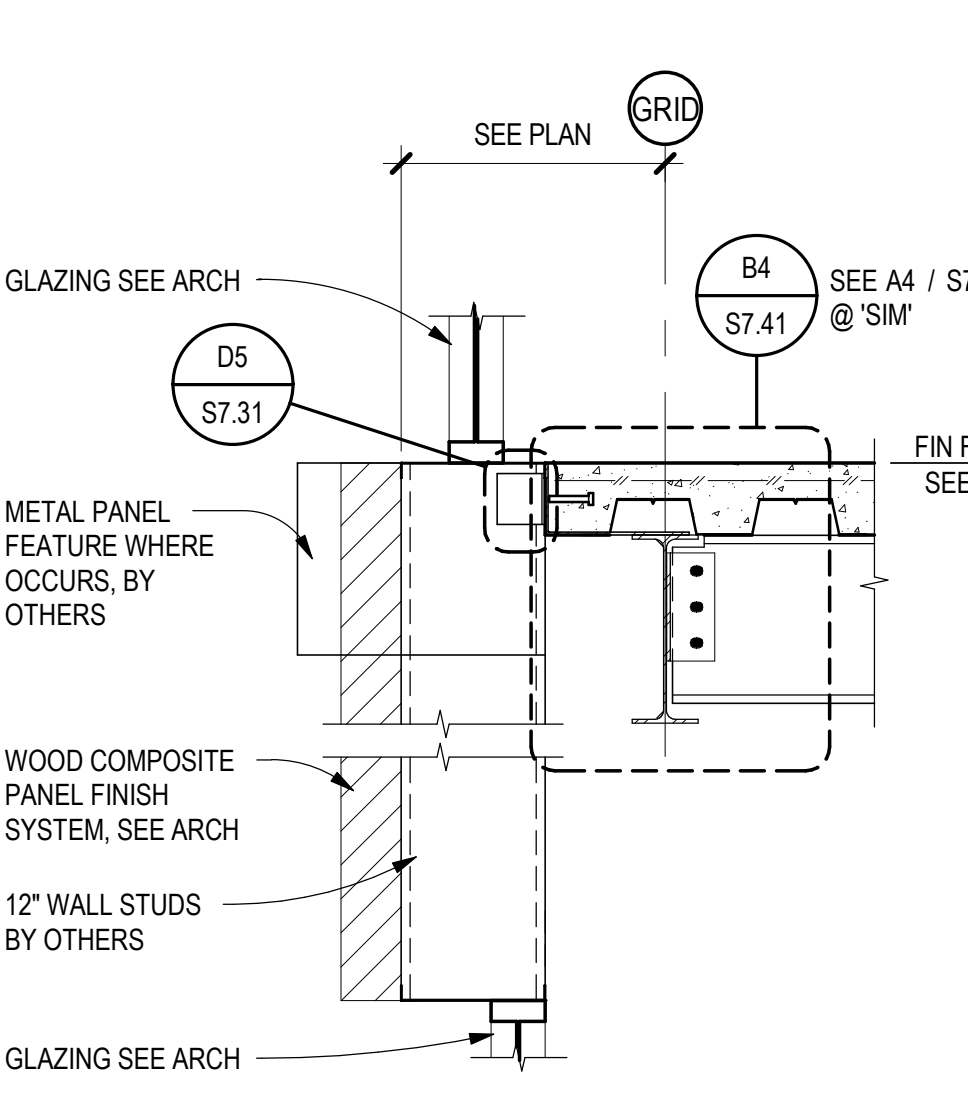
D1 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"



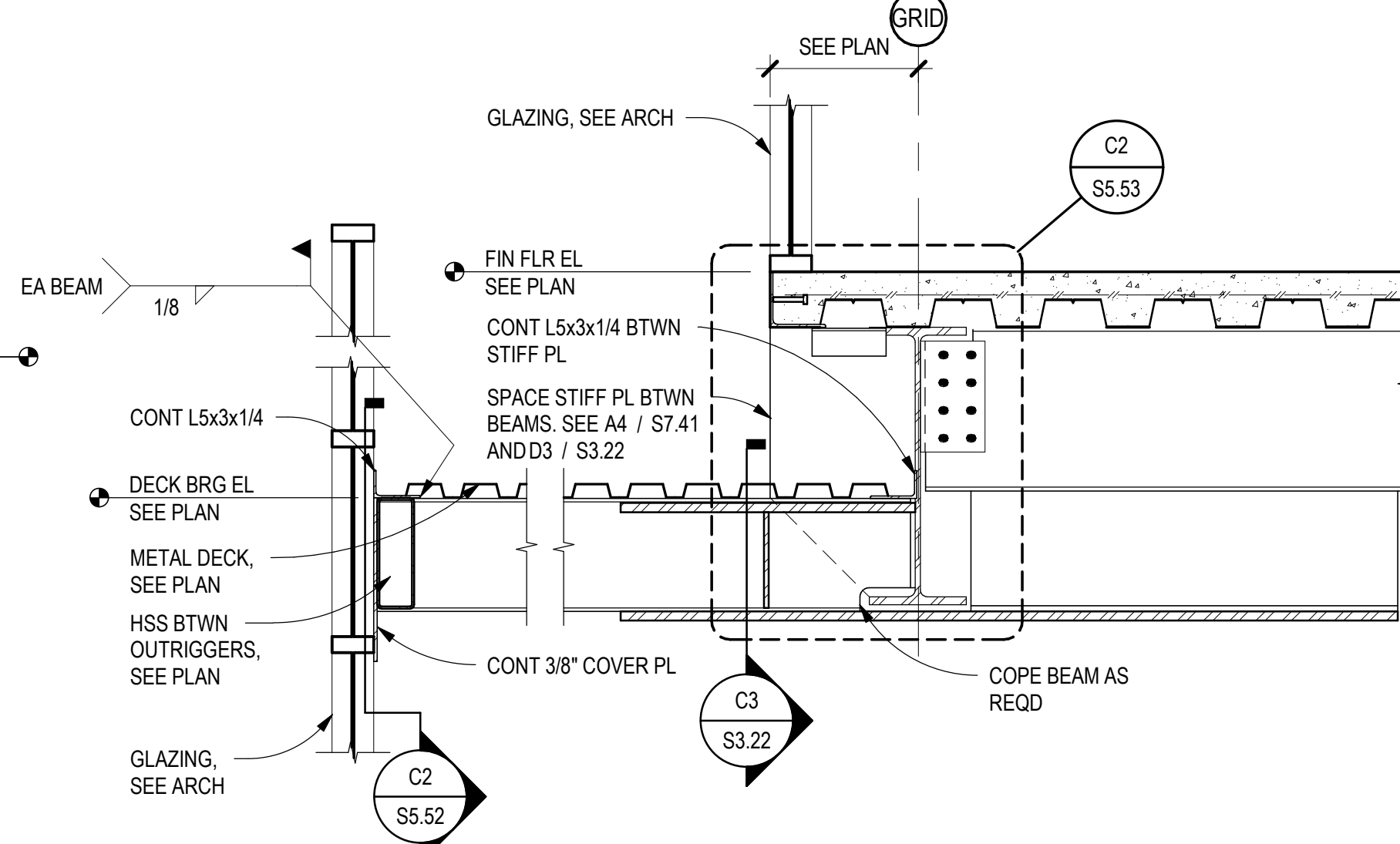
D2 LOW ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



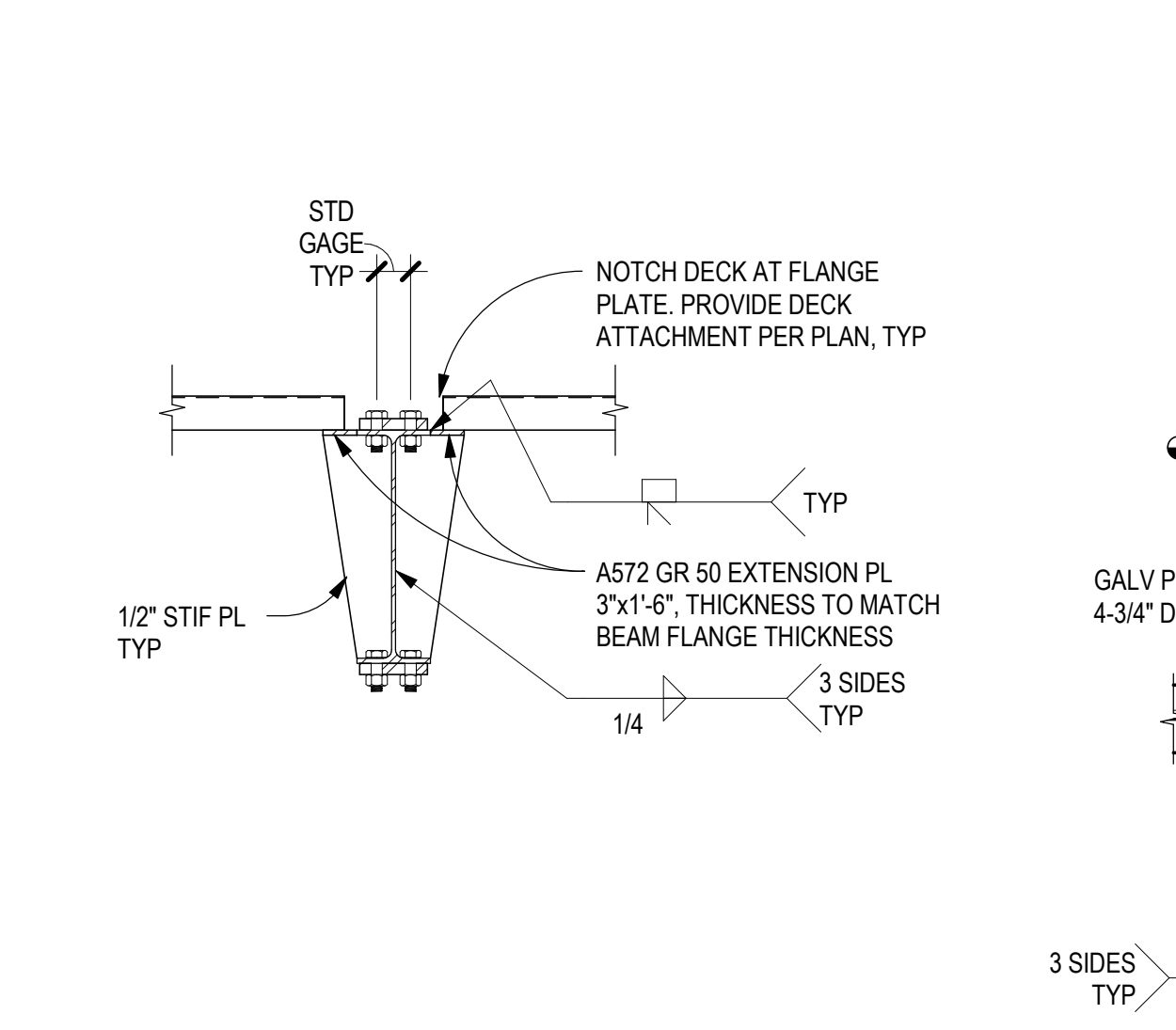
D3 DECK SUPPORT AT STIFF PL
SCALE: 3/4" = 1'-0"



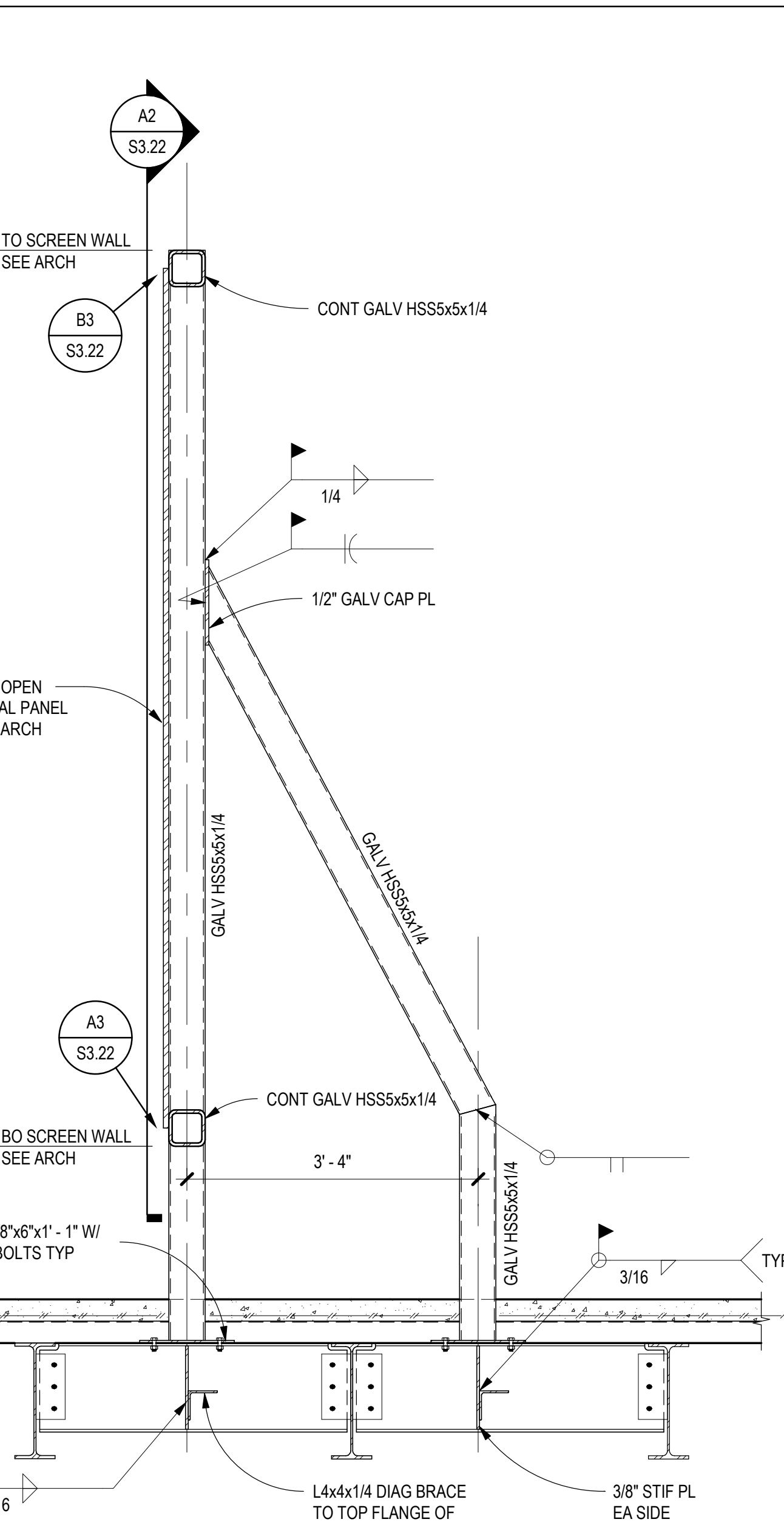
C1 FRAMING SECTION
SCALE: 3/4" = 1'-0"



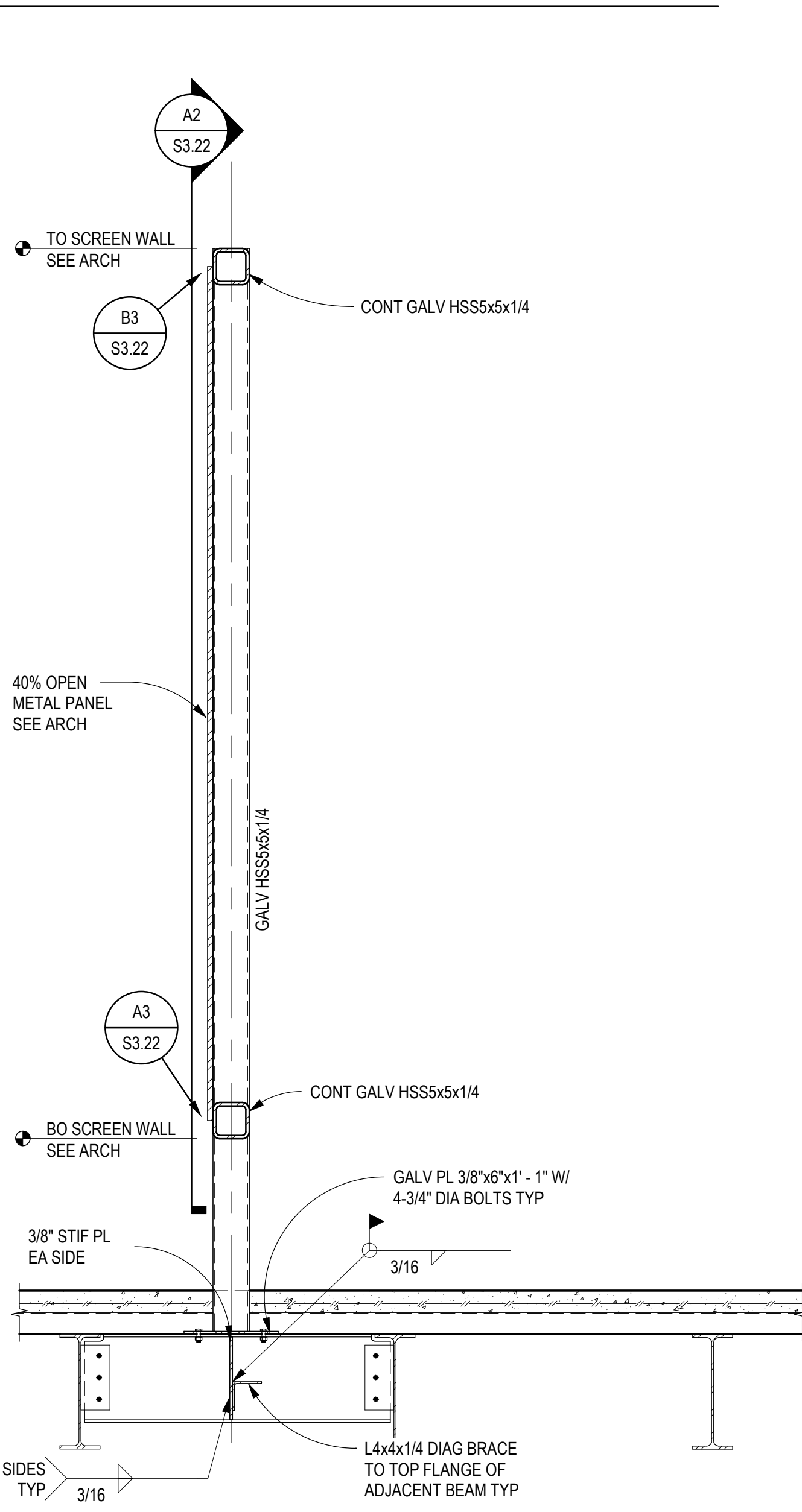
C2 LOW ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



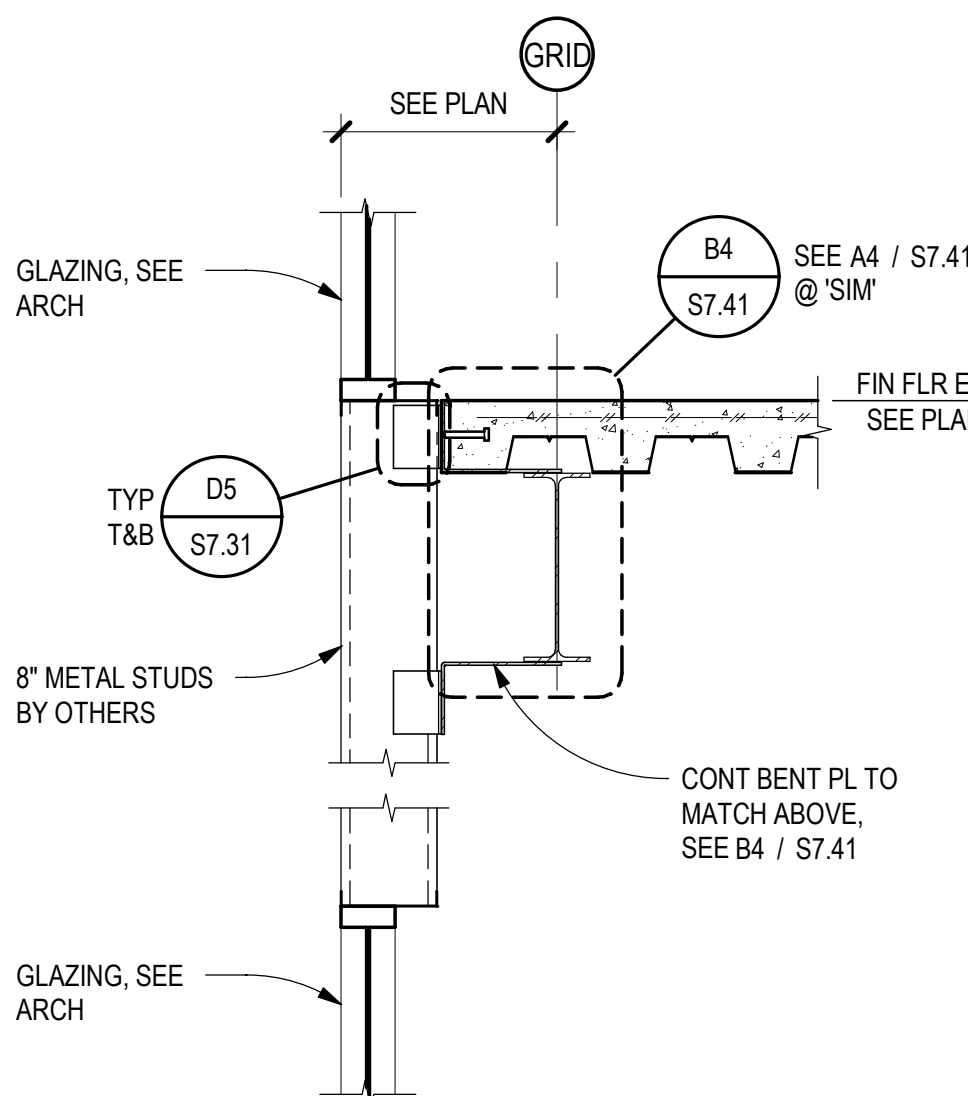
C3 DECK SUPPORT AT BEAM
SCALE: 3/4" = 1'-0"



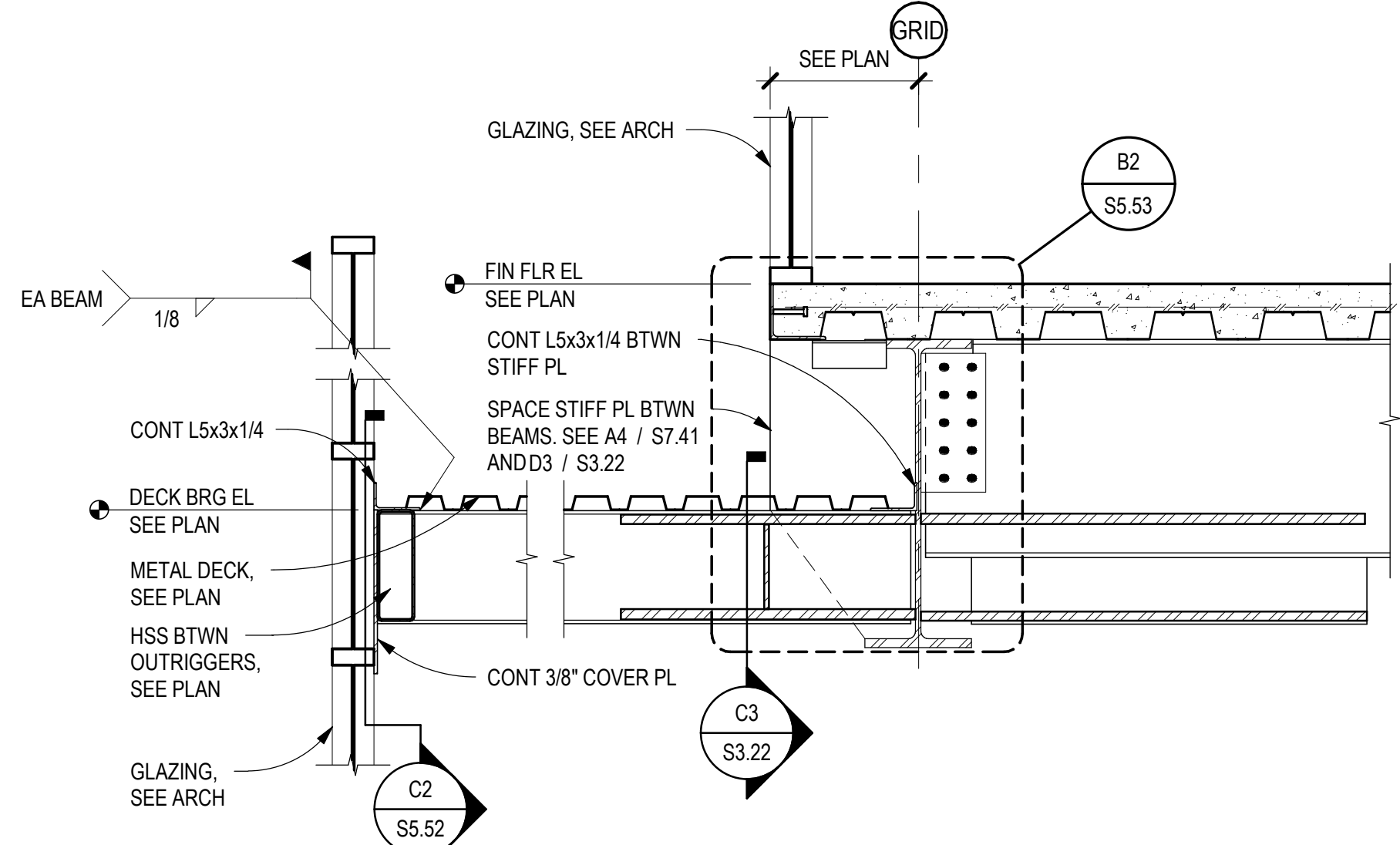
C4 SCREEN WALL BTWN ROOF BEAMS
SCALE: 3/4" = 1'-0"



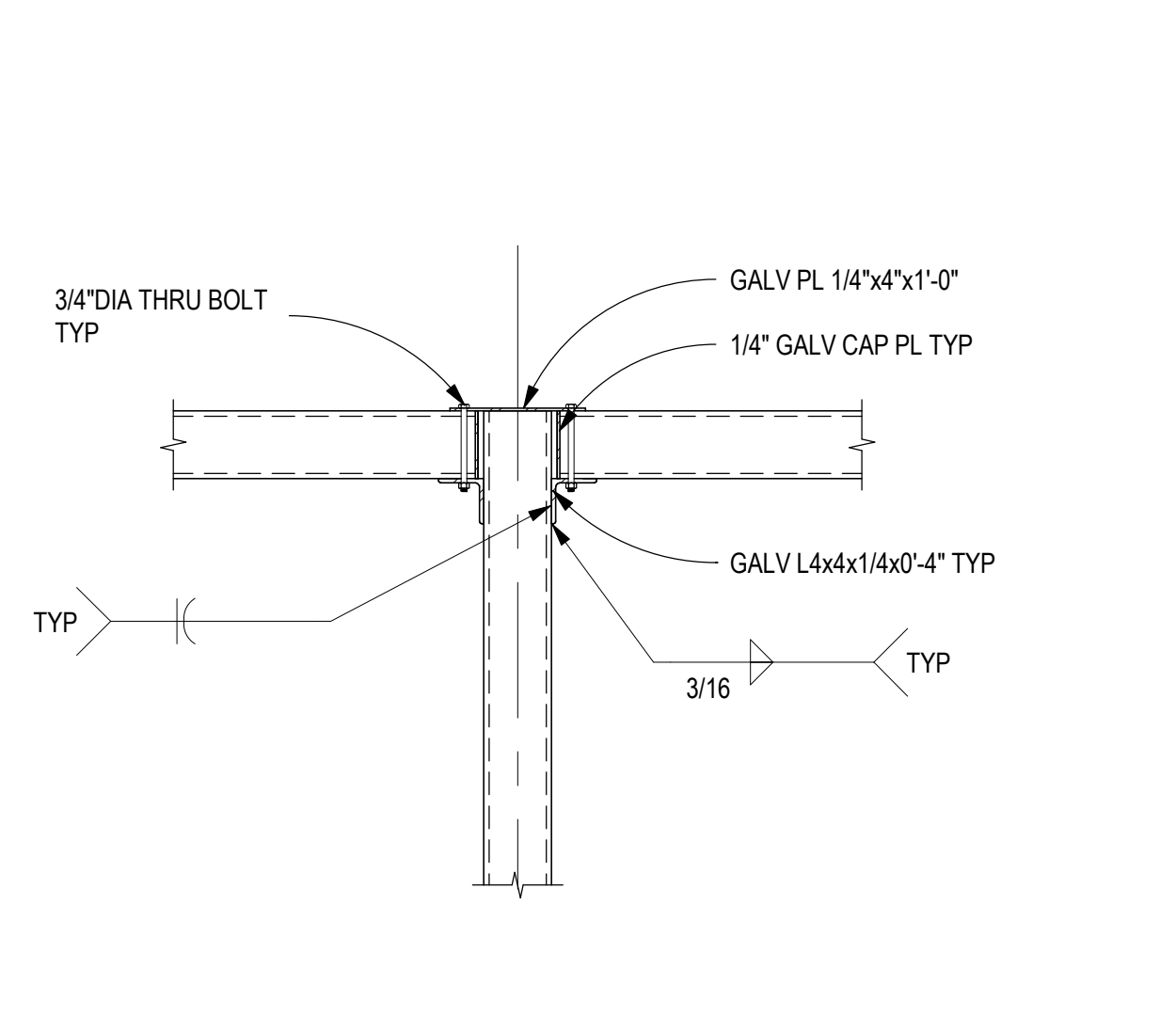
C5 SCREEN WALL BTWN ROOF BEAMS
SCALE: 3/4" = 1'-0"



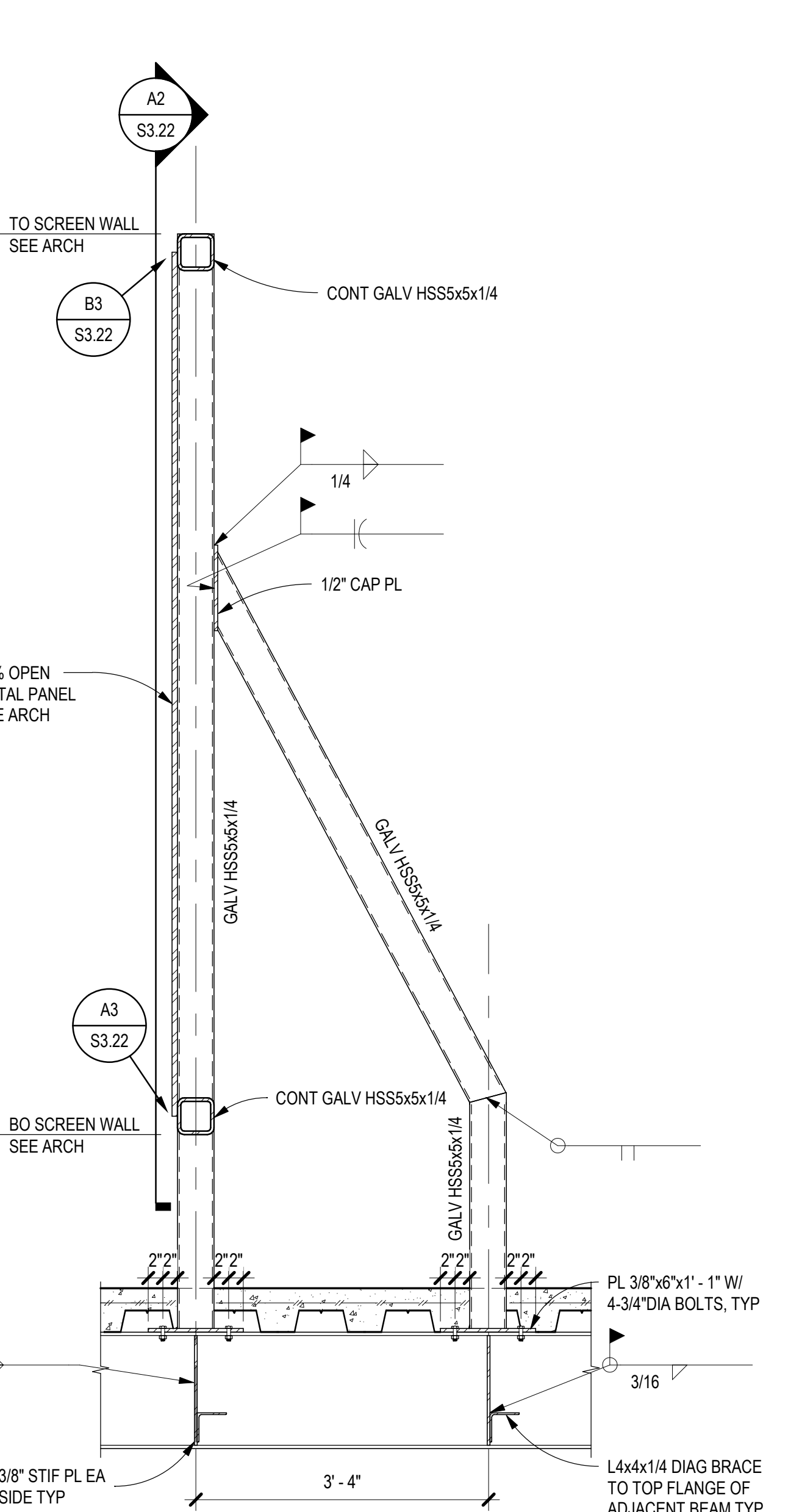
B1 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"



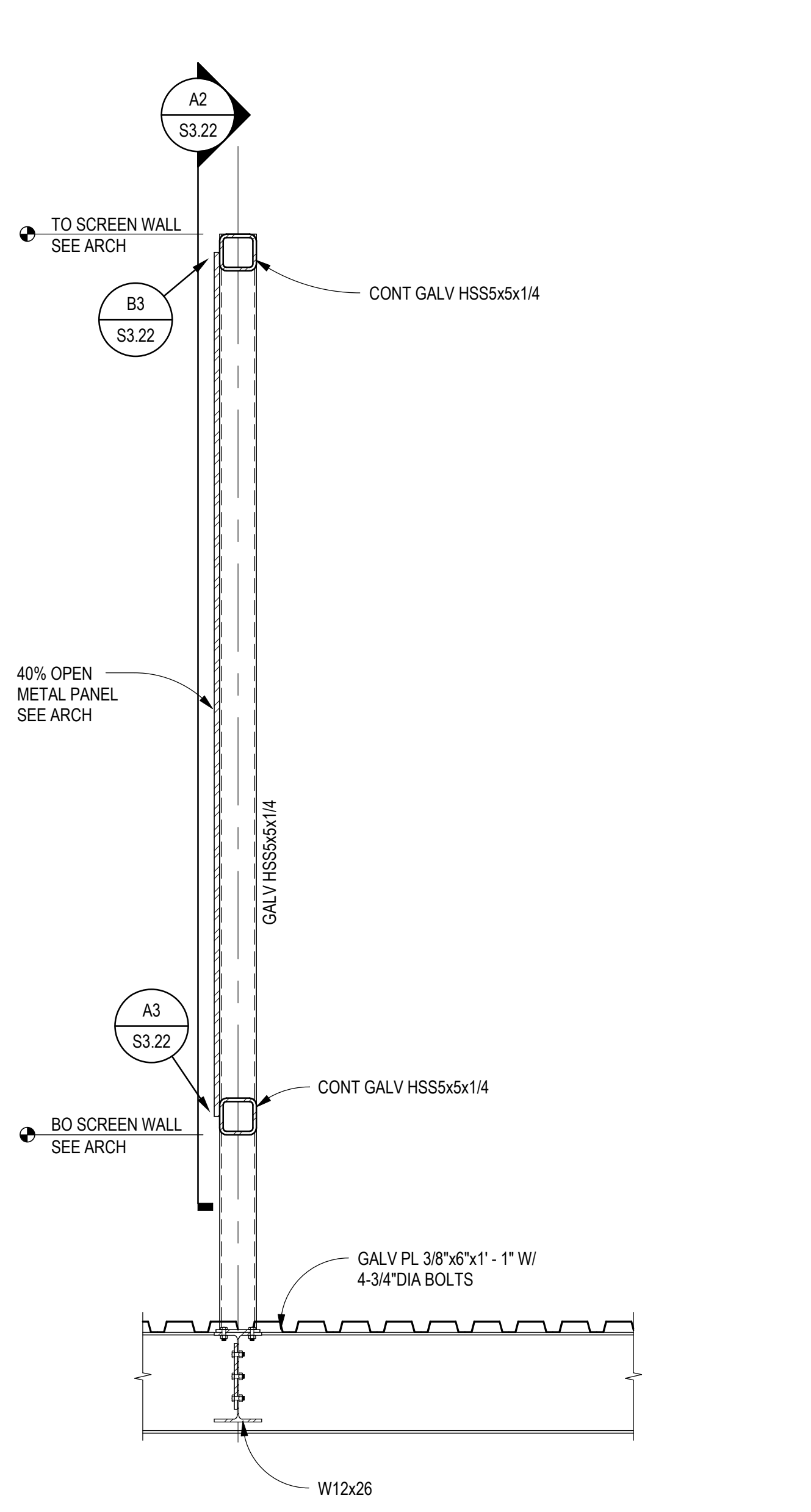
B2 LOW ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



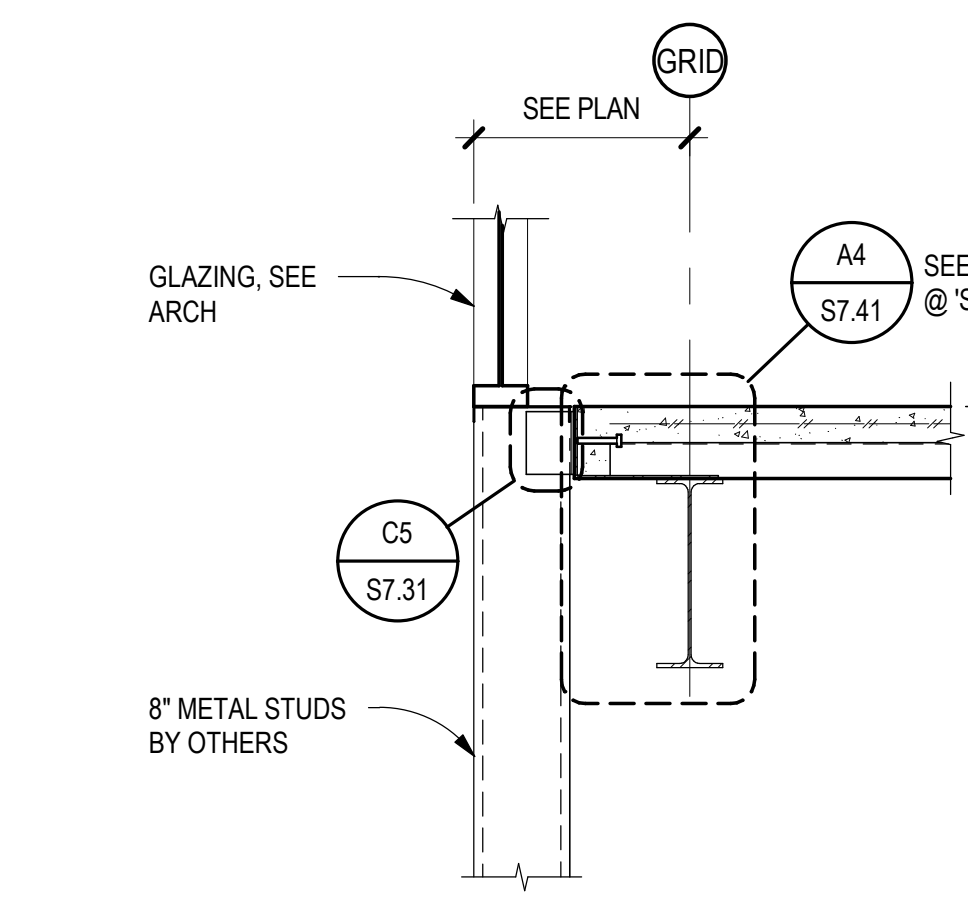
B3 SCREEN WALL HSS CONNECTION
SCALE: 3/4" = 1'-0"



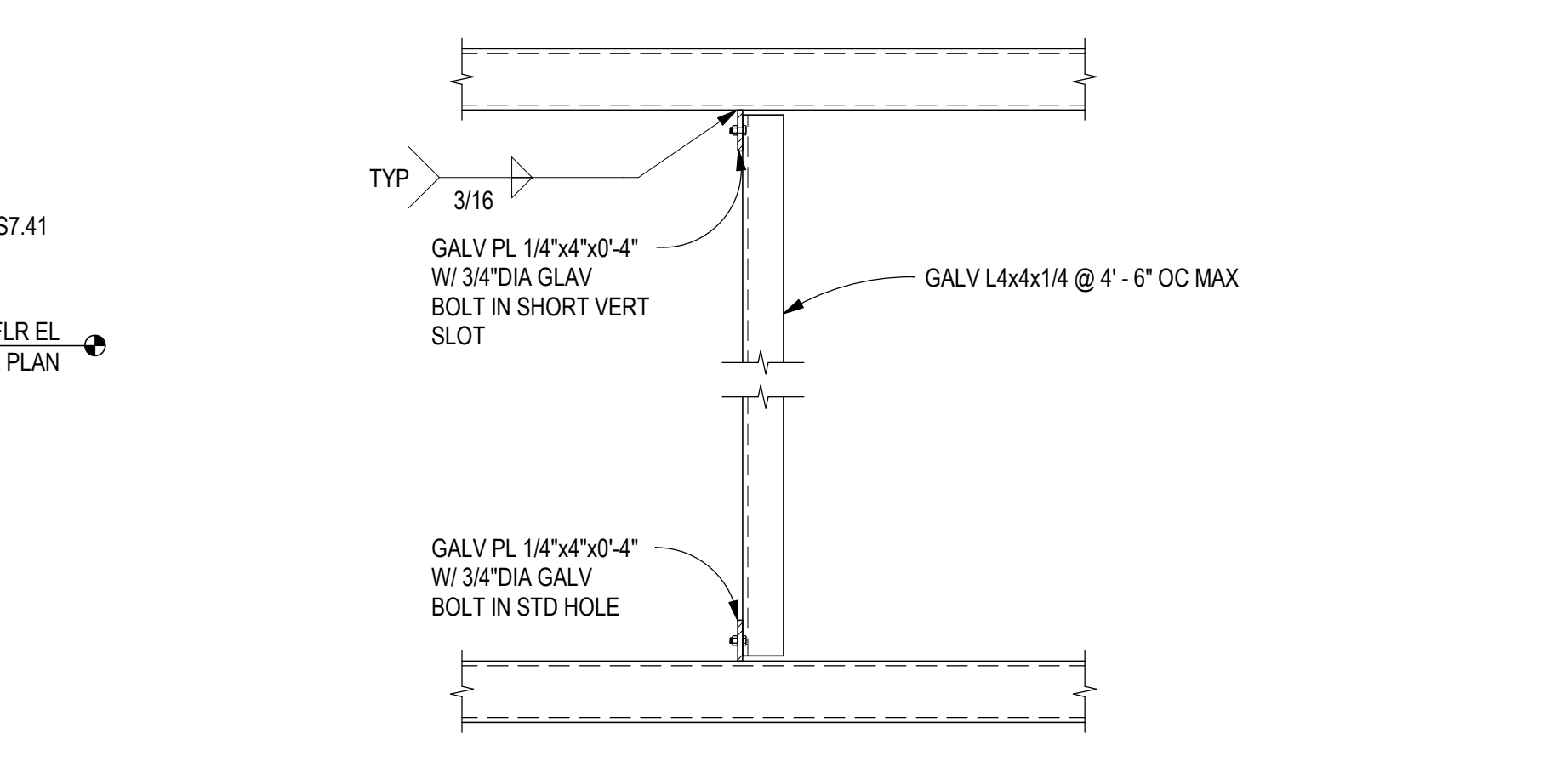
A4 SCREEN WALL AT ROOF BEAMS
SCALE: 3/4" = 1'-0"



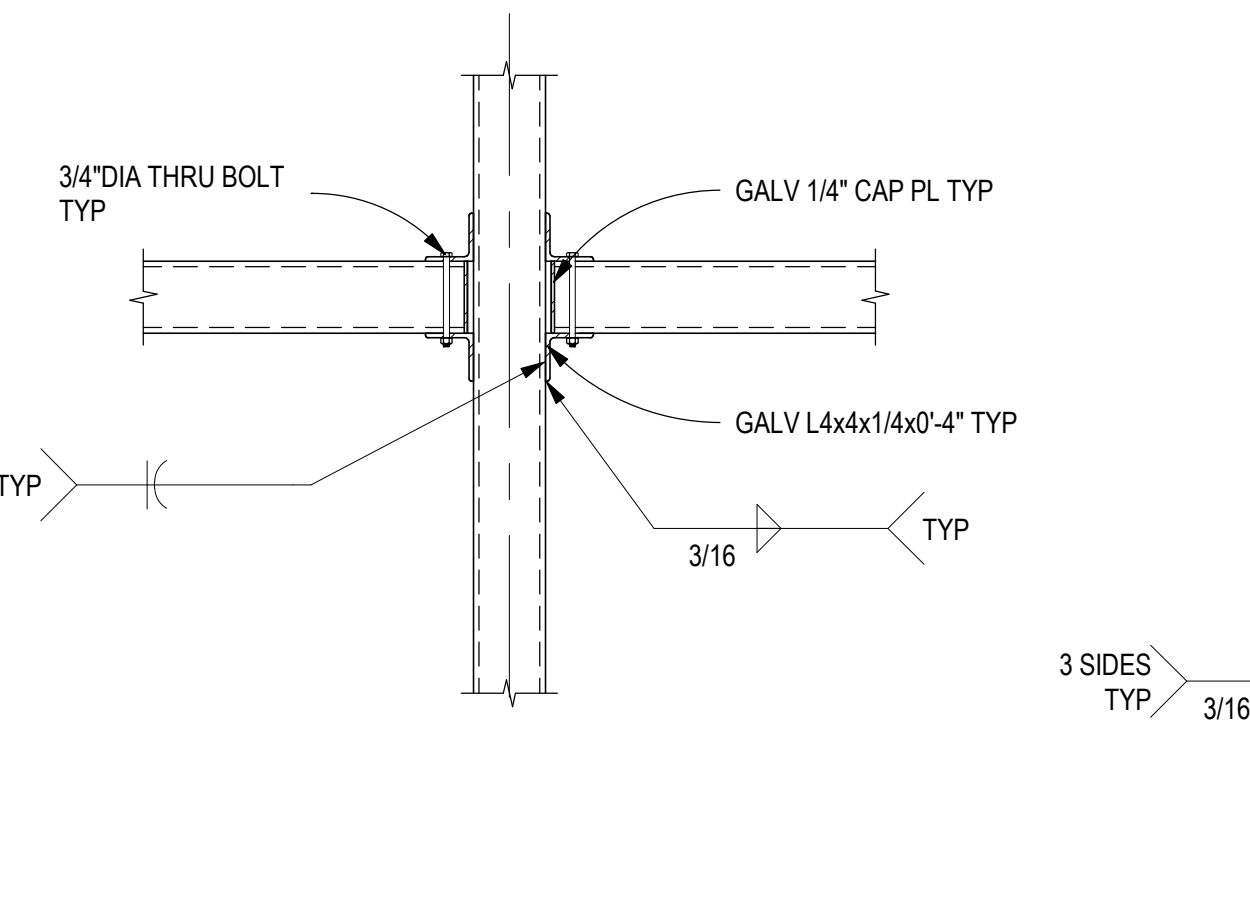
A5 SCREEN WALL BTWN ROOF BEAMS
SCALE: 3/4" = 1'-0"



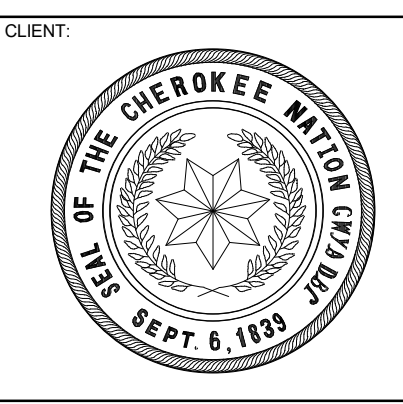
A1 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"



A2 INTERMEDIATE SCREEN WALL SUPPORT
SCALE: 3/4" = 1'-0"



A3 SCREEN WALL HSS CONNECTION
SCALE: 3/4" = 1'-0"



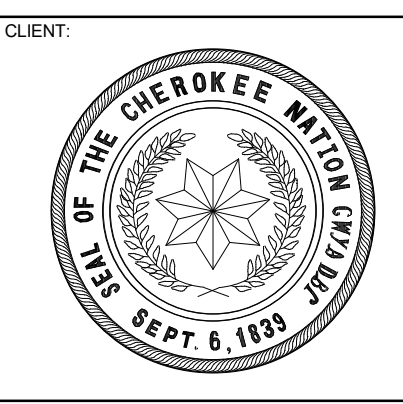
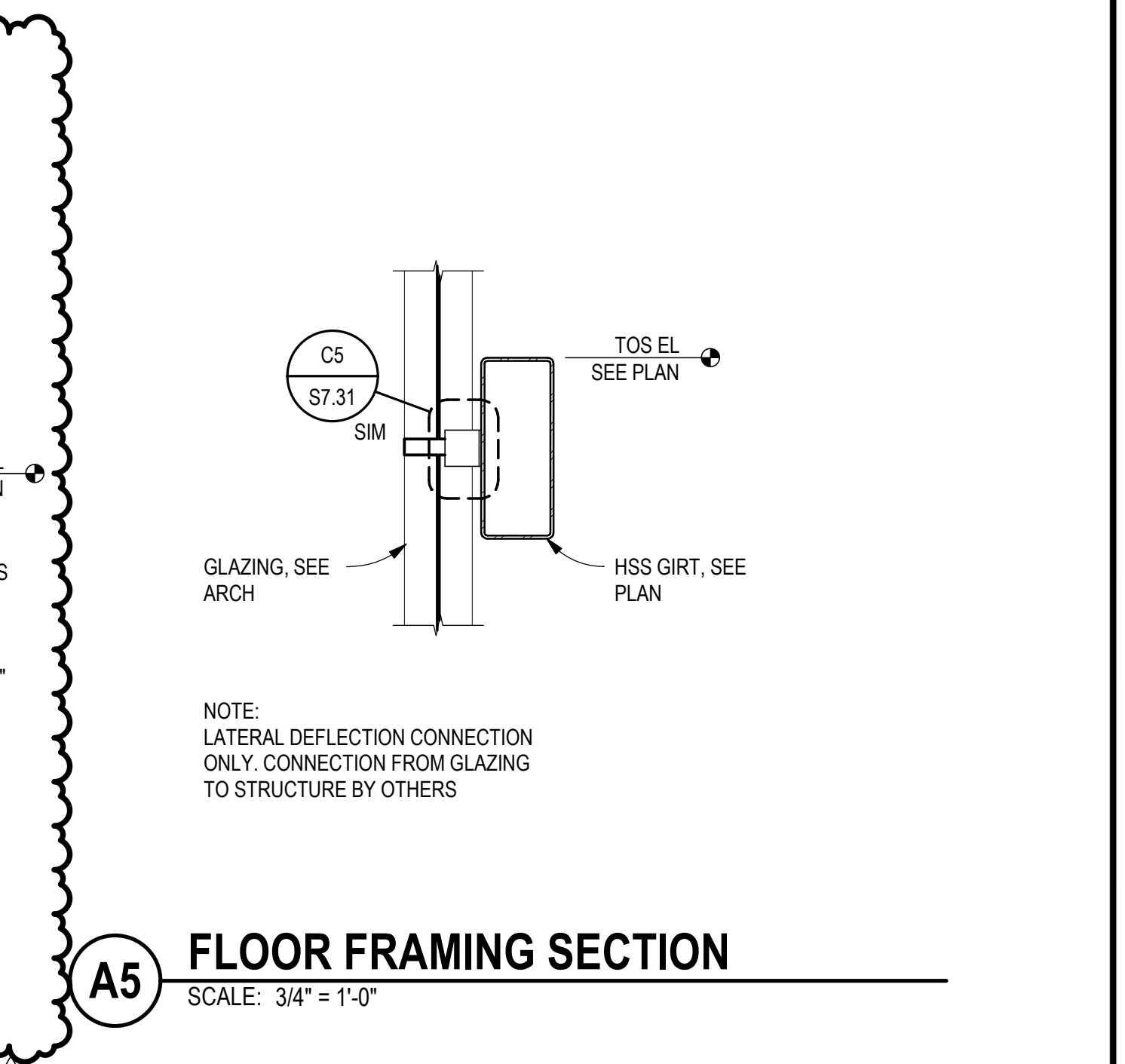
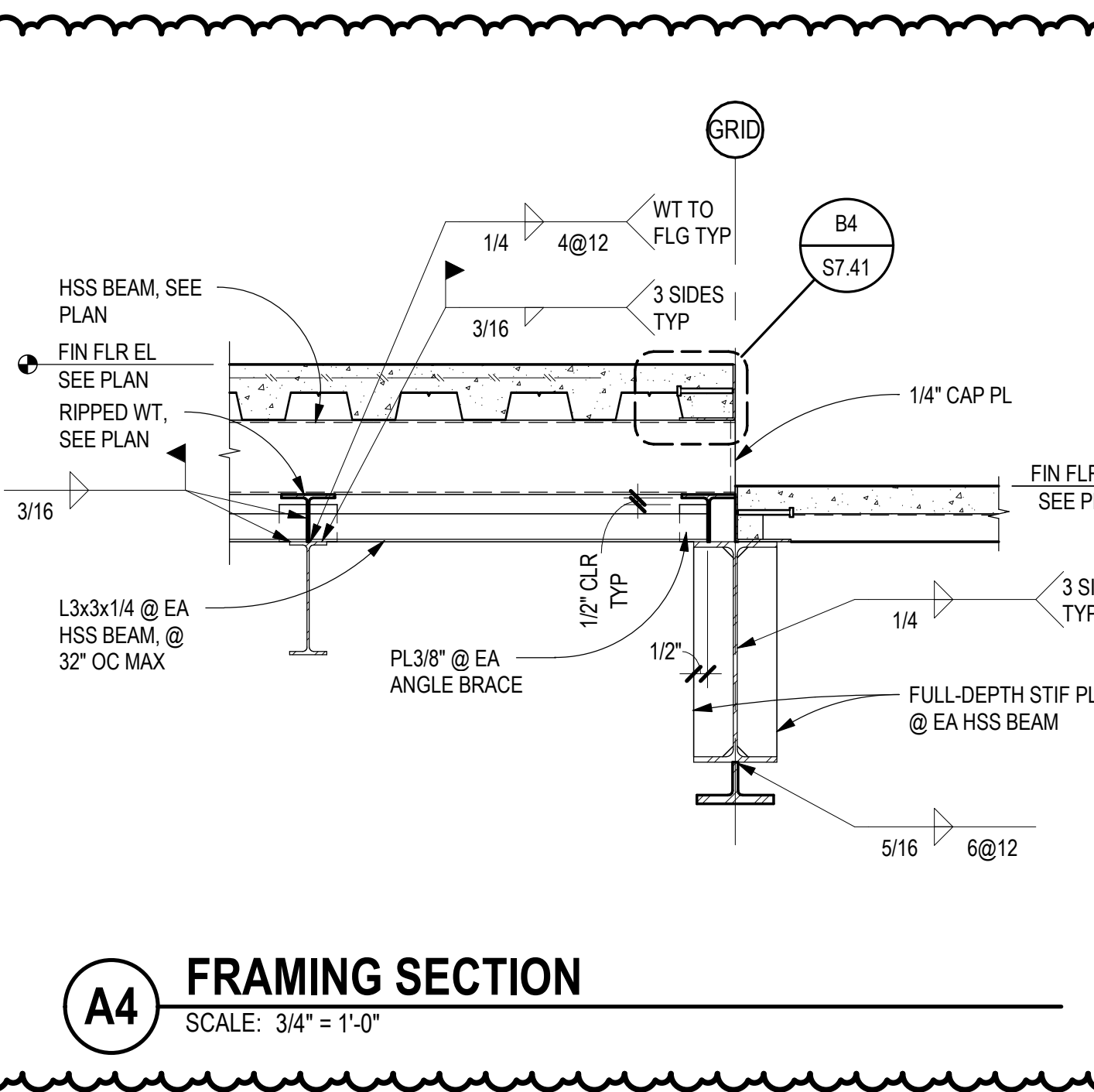
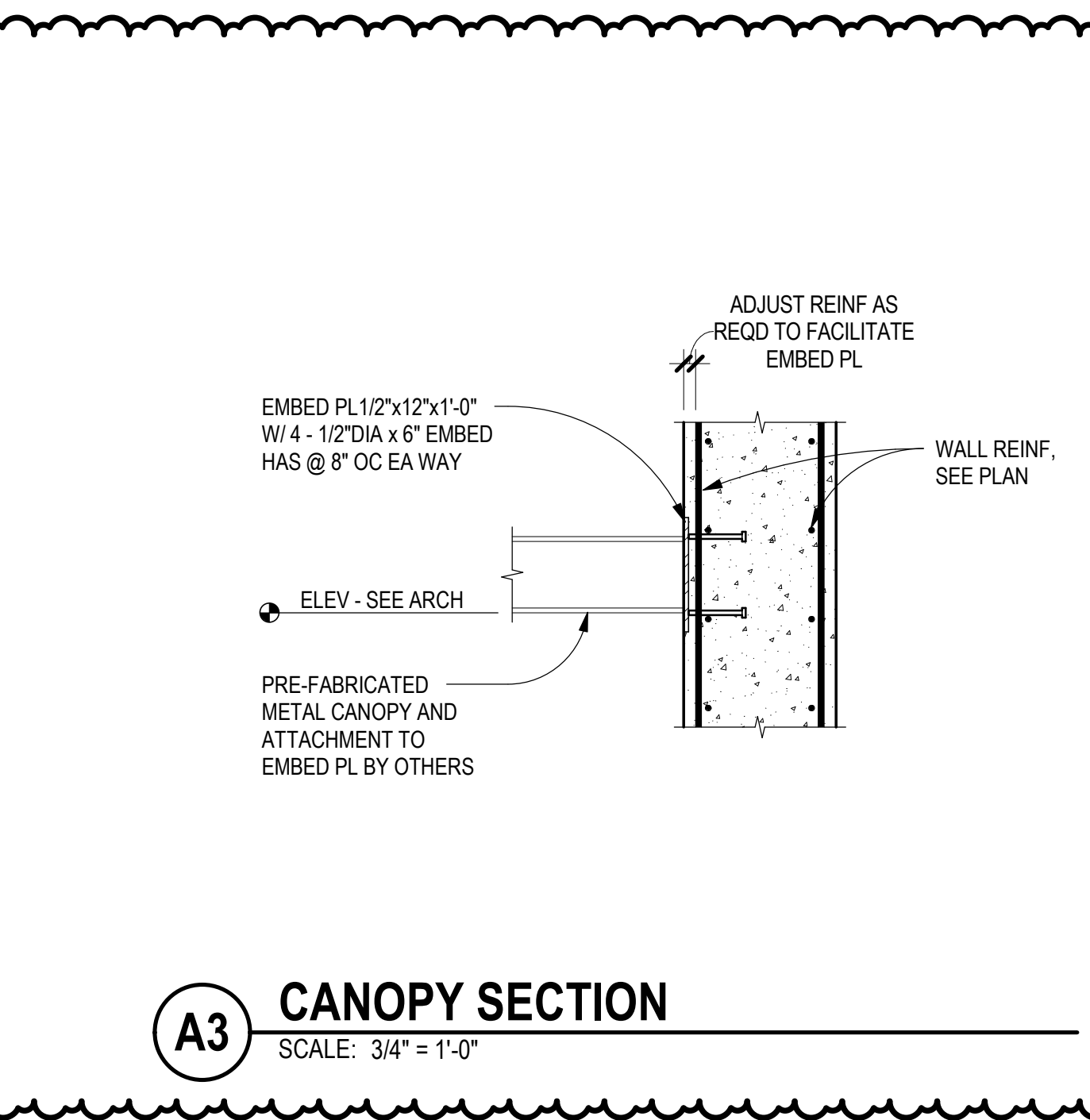
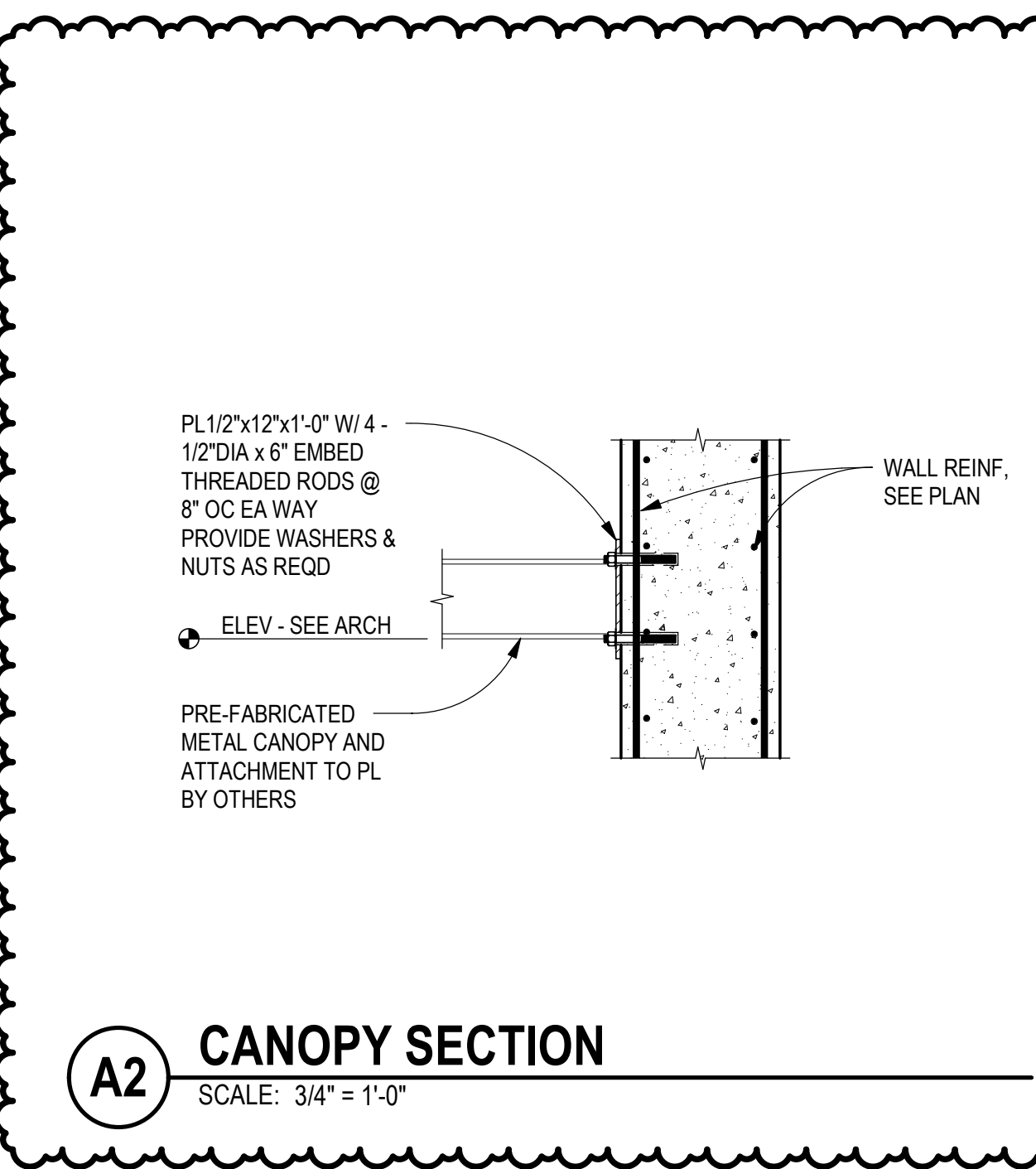
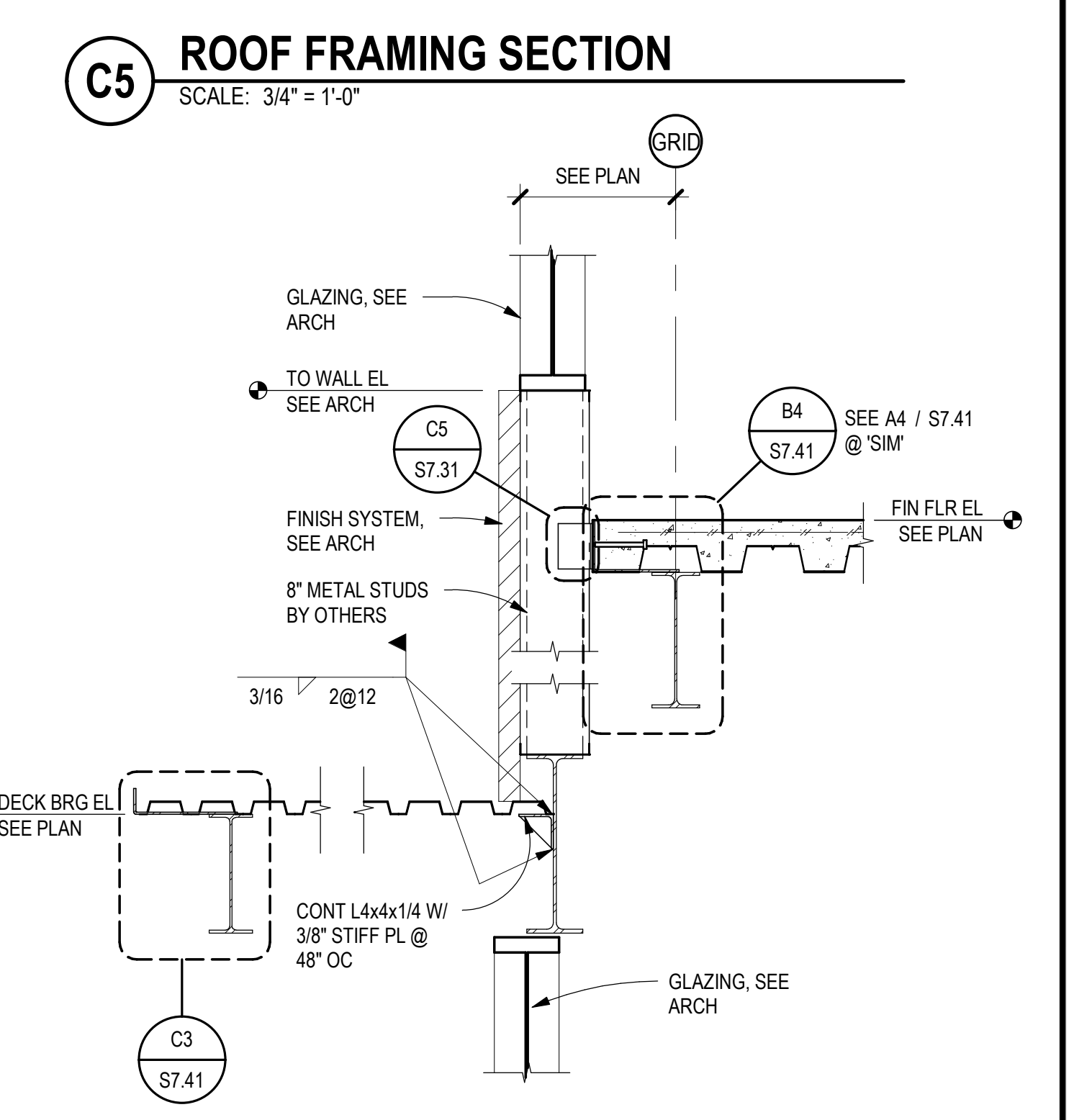
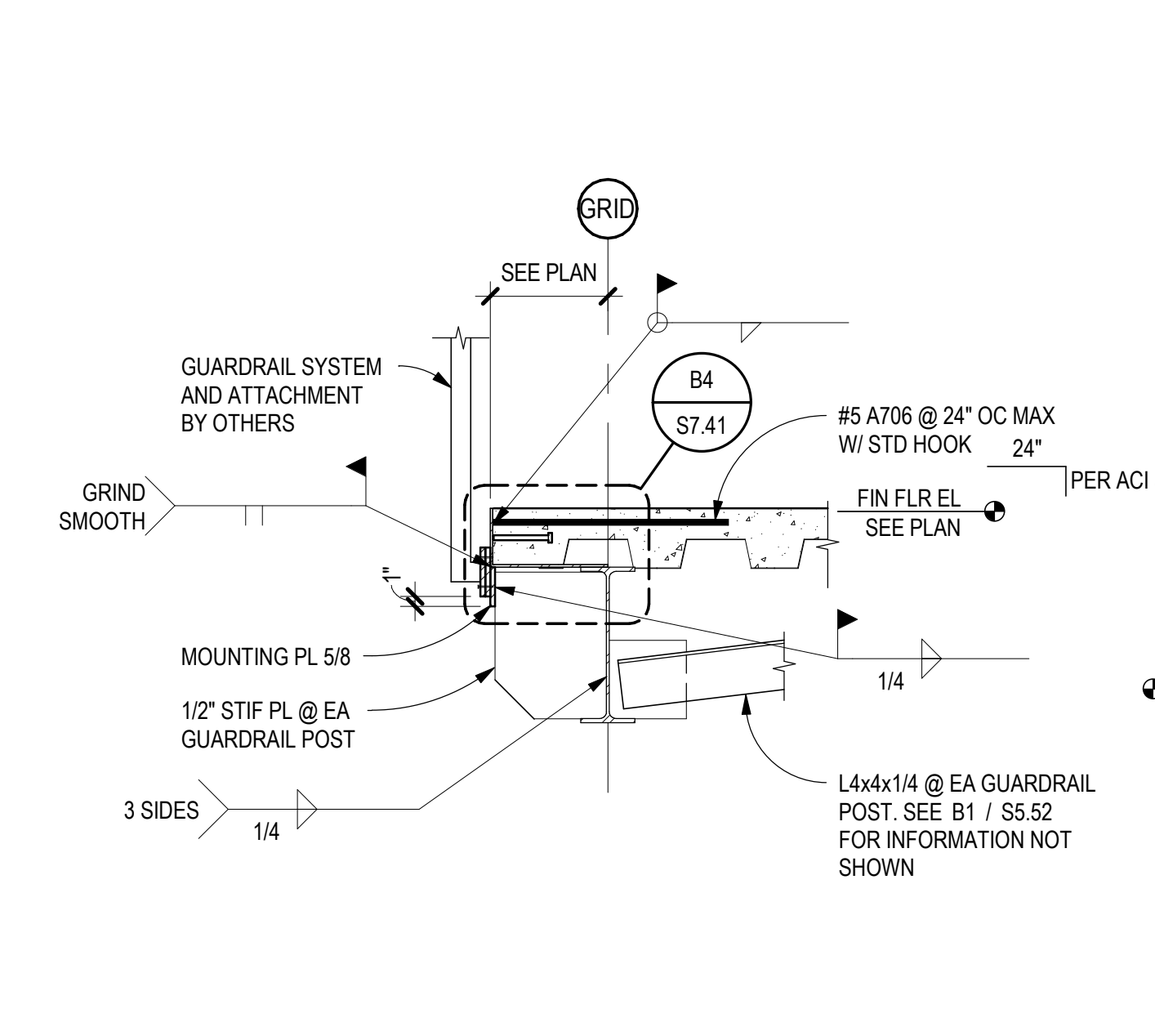
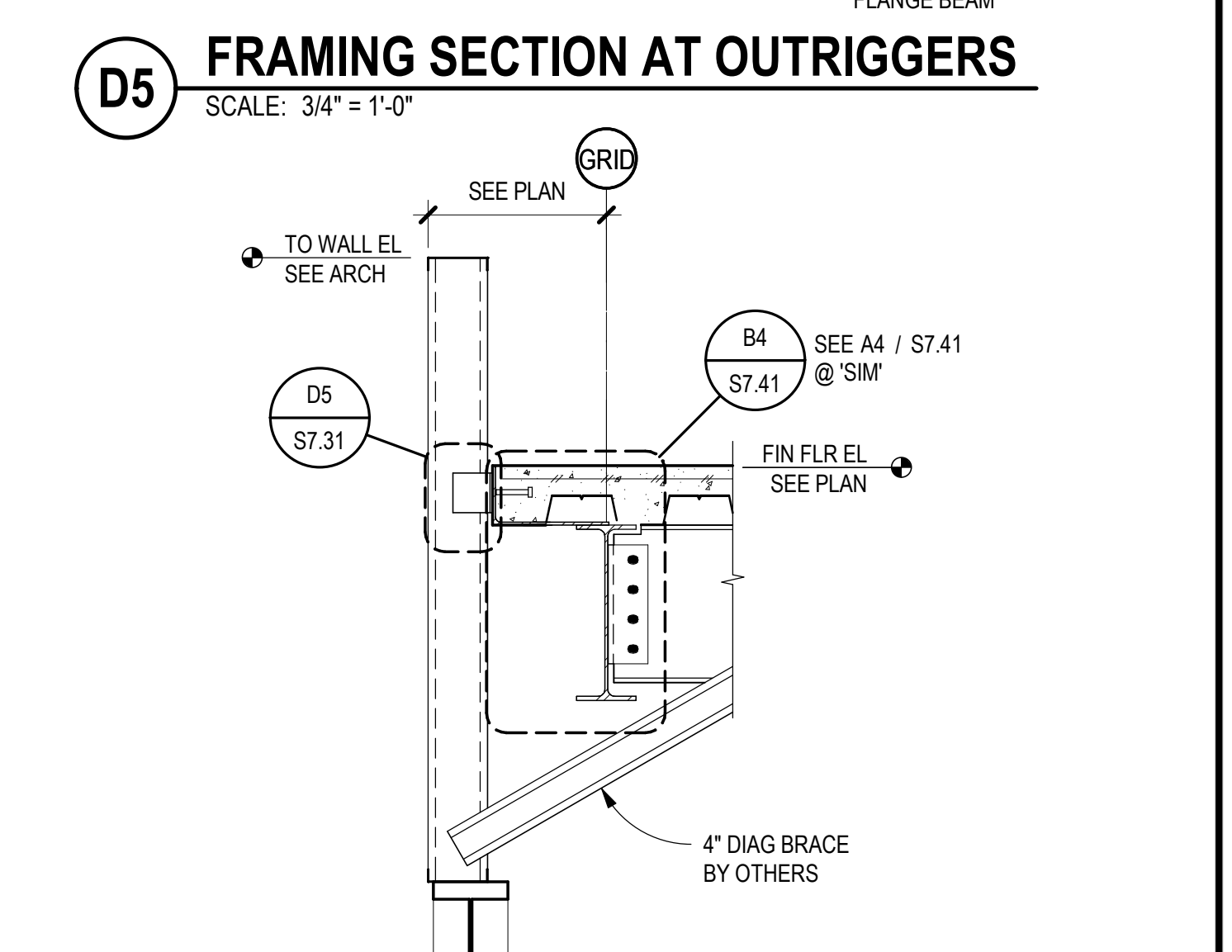
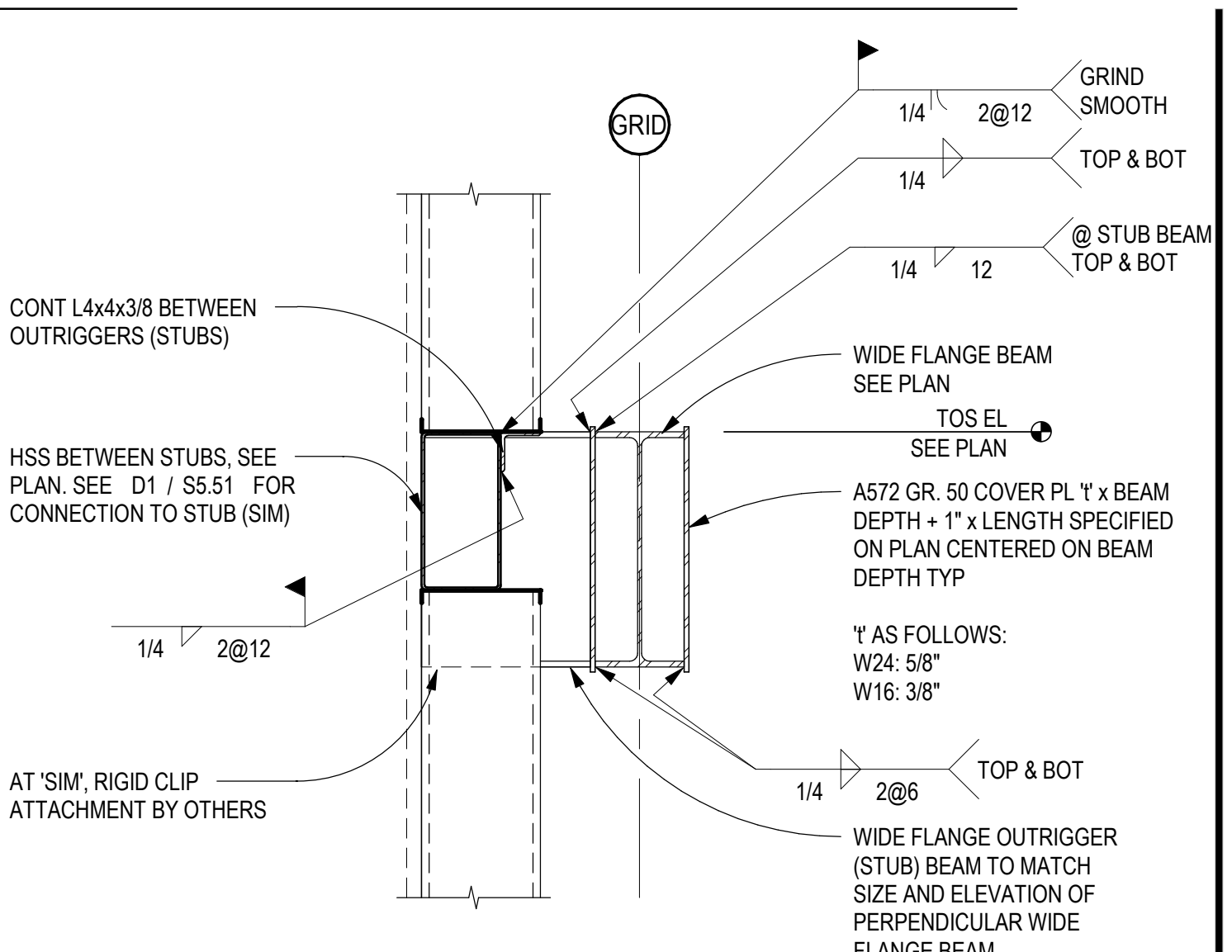
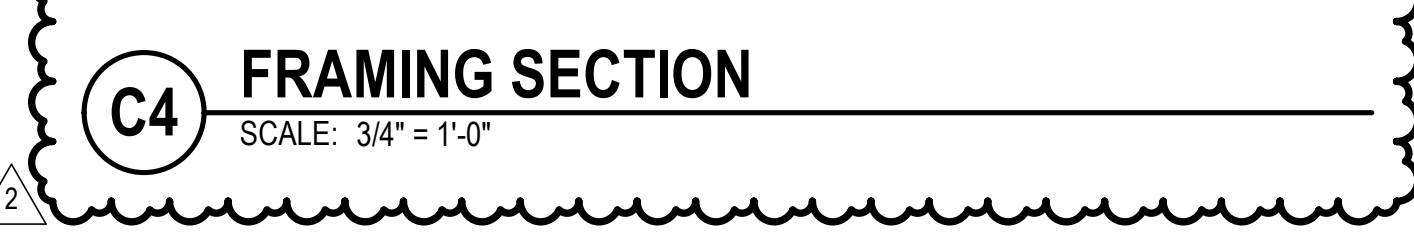
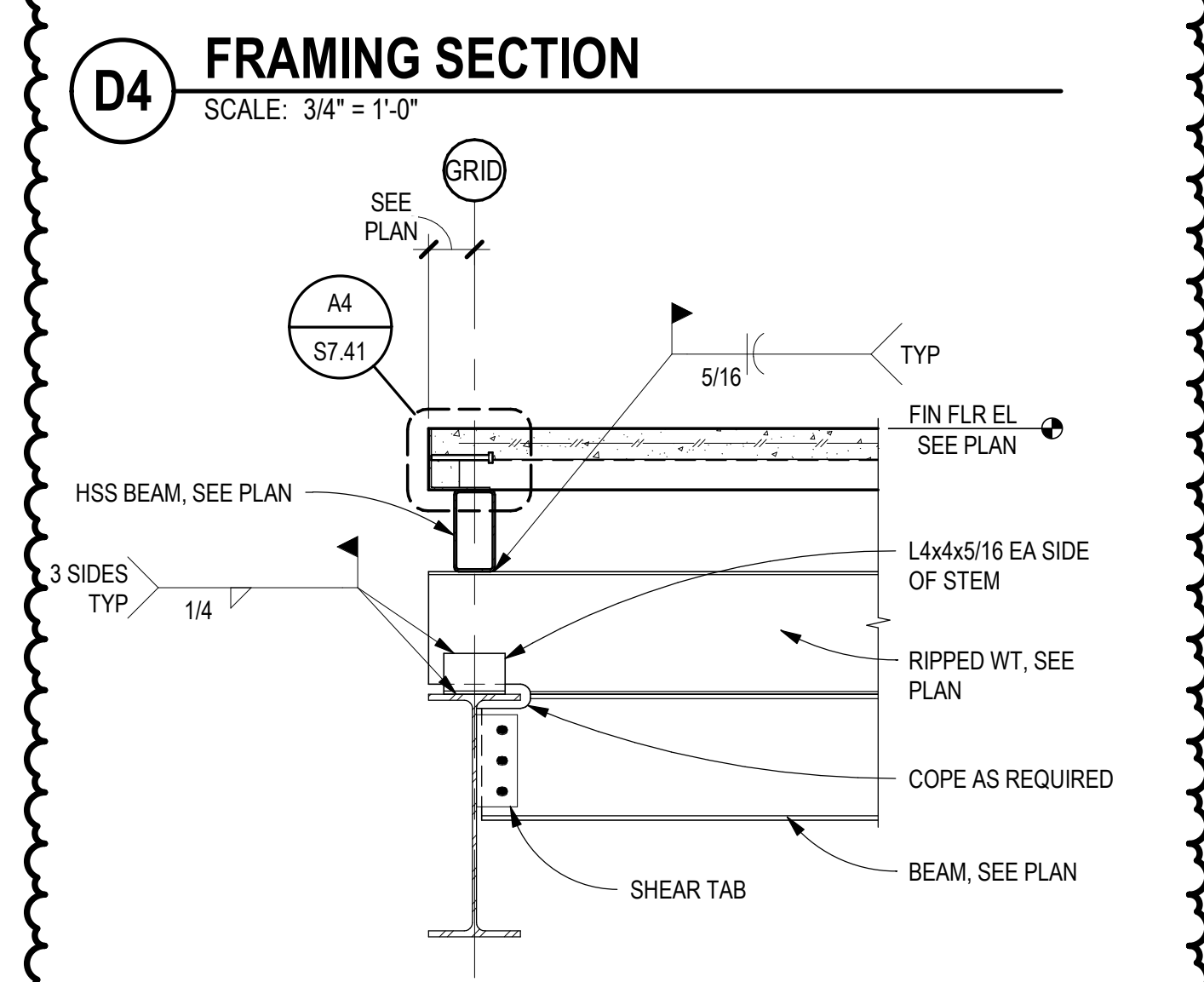
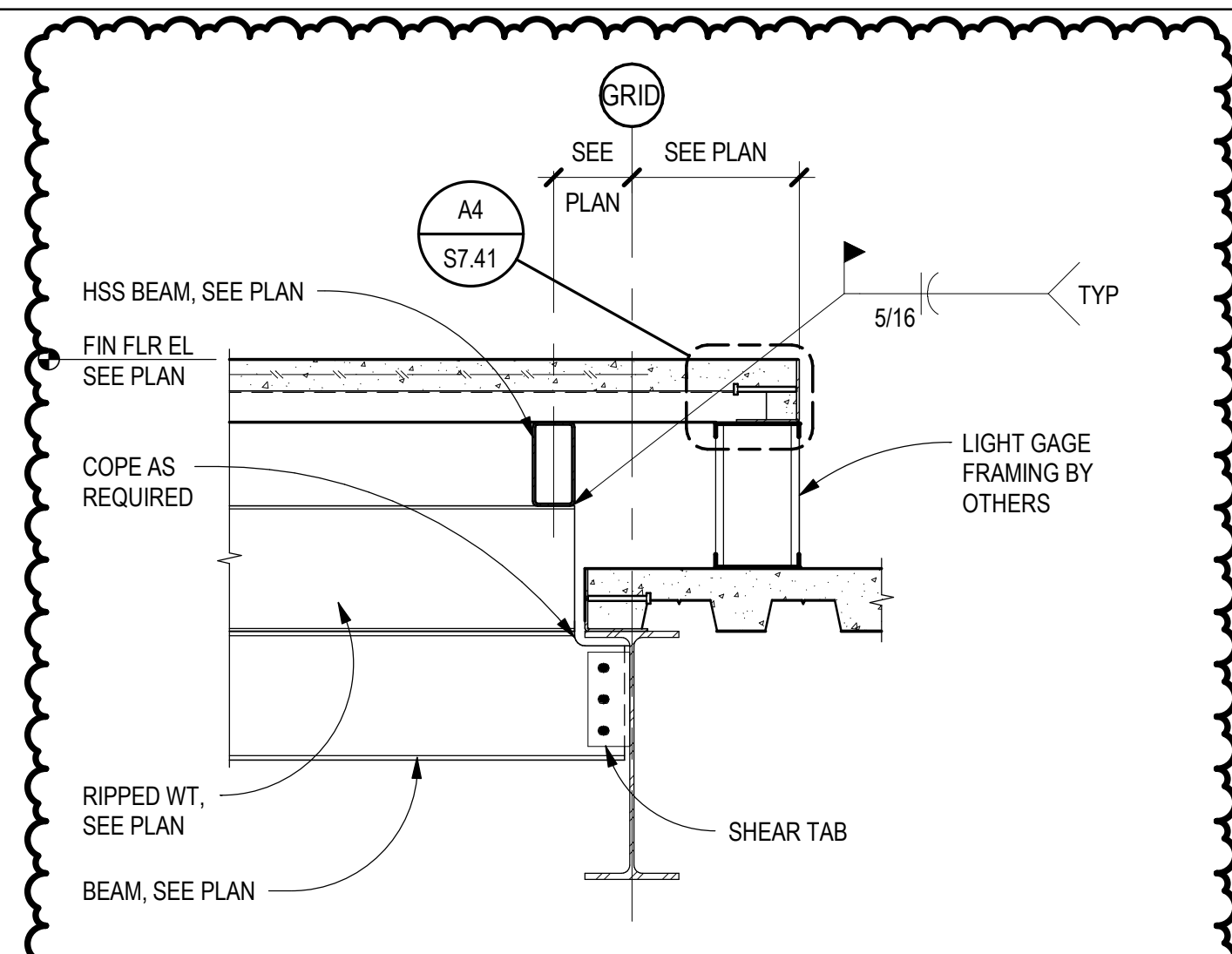
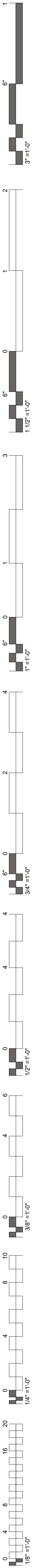
KEY PLAN:

PROJECT PHASE:
BID PACKAGE 04

#	DATE	REVISIONS	DESCRIPTION

DATE: 05-10-19 JOB NUMBER: 17-13

SHEET NUMBER:
S3.22
FRAMING SECTIONS



COLLEGE OF
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AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA

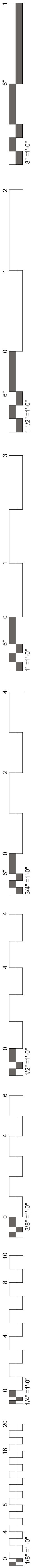
PROJECT PHASE:
BID PACKAGE 04

#	DATE	REVISIONS / DESCRIPTION
1	6/17/19	BID PACKAGE 04 ABL/GR
2	8/8/19	BID PACKAGE 04 ABL/GR

DATE: 05-10-19 JOB NUMBER: 17-13

SHEET NUMBER: S3.23

FRAMING SECTIONS



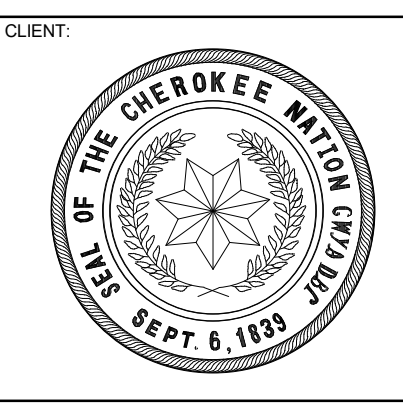
GENERAL SHEET NOTES

- SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
- DIMENSIONS ARE TO THE FACE OF CONCRETE, OR STUD UNLESS NOTED OTHERWISE. COORDINATE ALL STAIR DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR INTERMEDIATE LANDING ELEVATIONS.
- SEE ARCHITECTURAL DRAWINGS FOR STAIR RISE AND RUN.
- STRUCTURAL COLD FORMED METAL STUDS SHALL BE 60S162-43 AT 16" ON CENTER UNLESS NOTED OTHERWISE.

James R. Childers Architect, Inc.
 45 South 4th Street
 Fort Smith, AR 72901
 479-783-2460
 www.childersarchitect.com



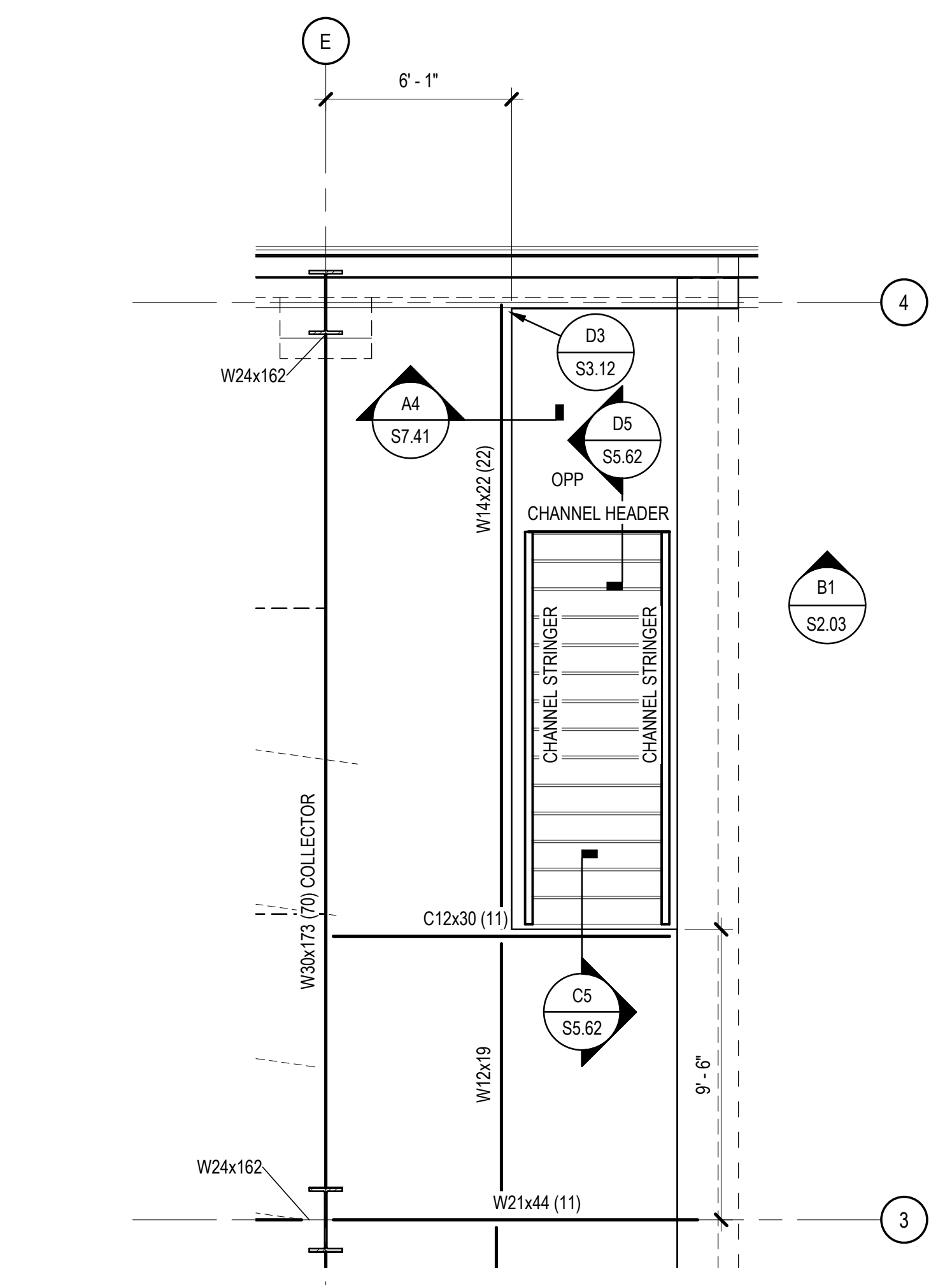
CG
Chavez-Grievos
 consulting engineers, inc.
 4200 Lincoln Road, Suite 102, Ardmore, OK 73401
 505-344-4000 505-343-8759 (fax)



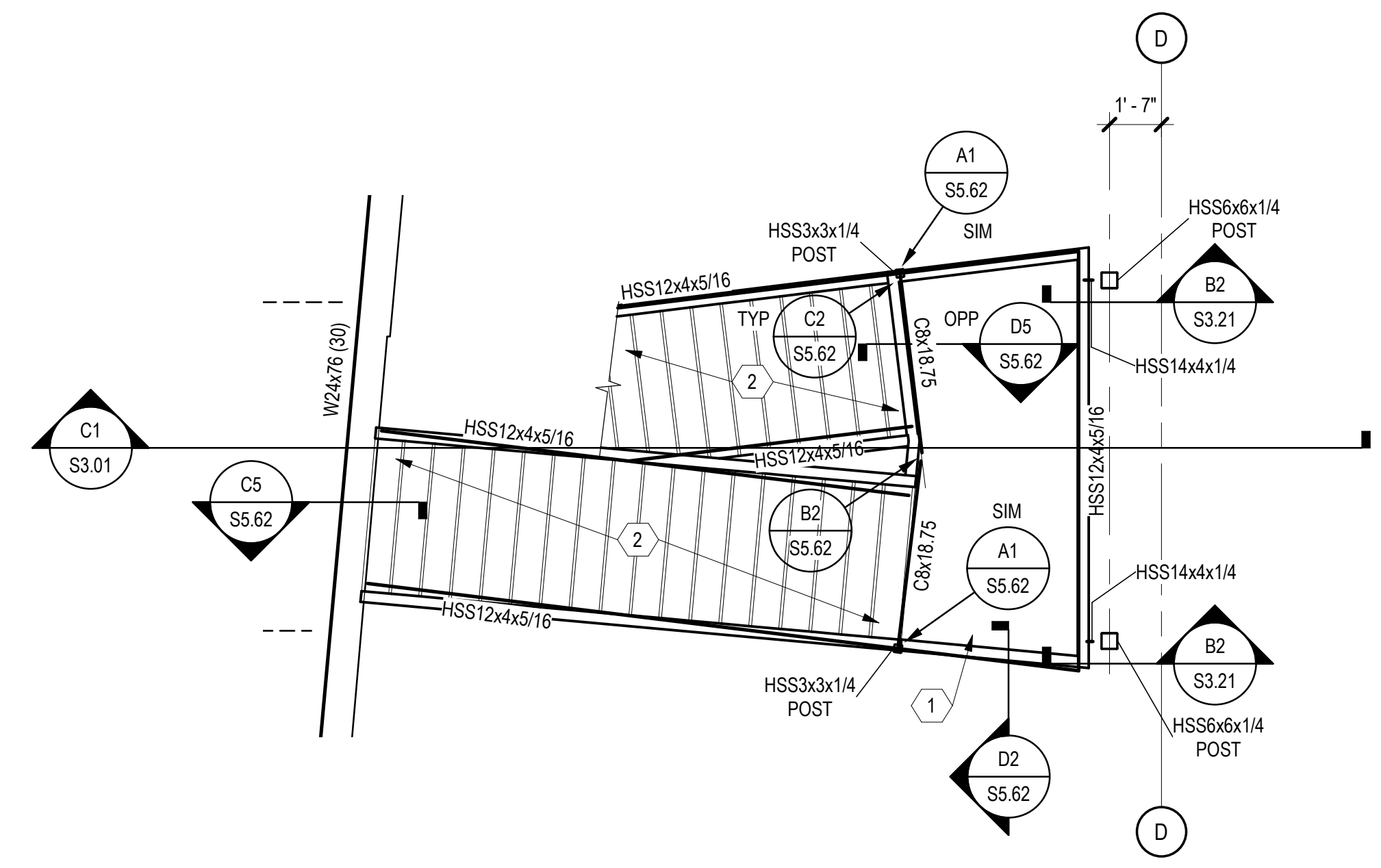
COLLEGE OF
Osteopathic Medicine
 AT THE CHEROKEE NATION
 TAHLEQUAH, OKLAHOMA

SHEET KEYNOTE

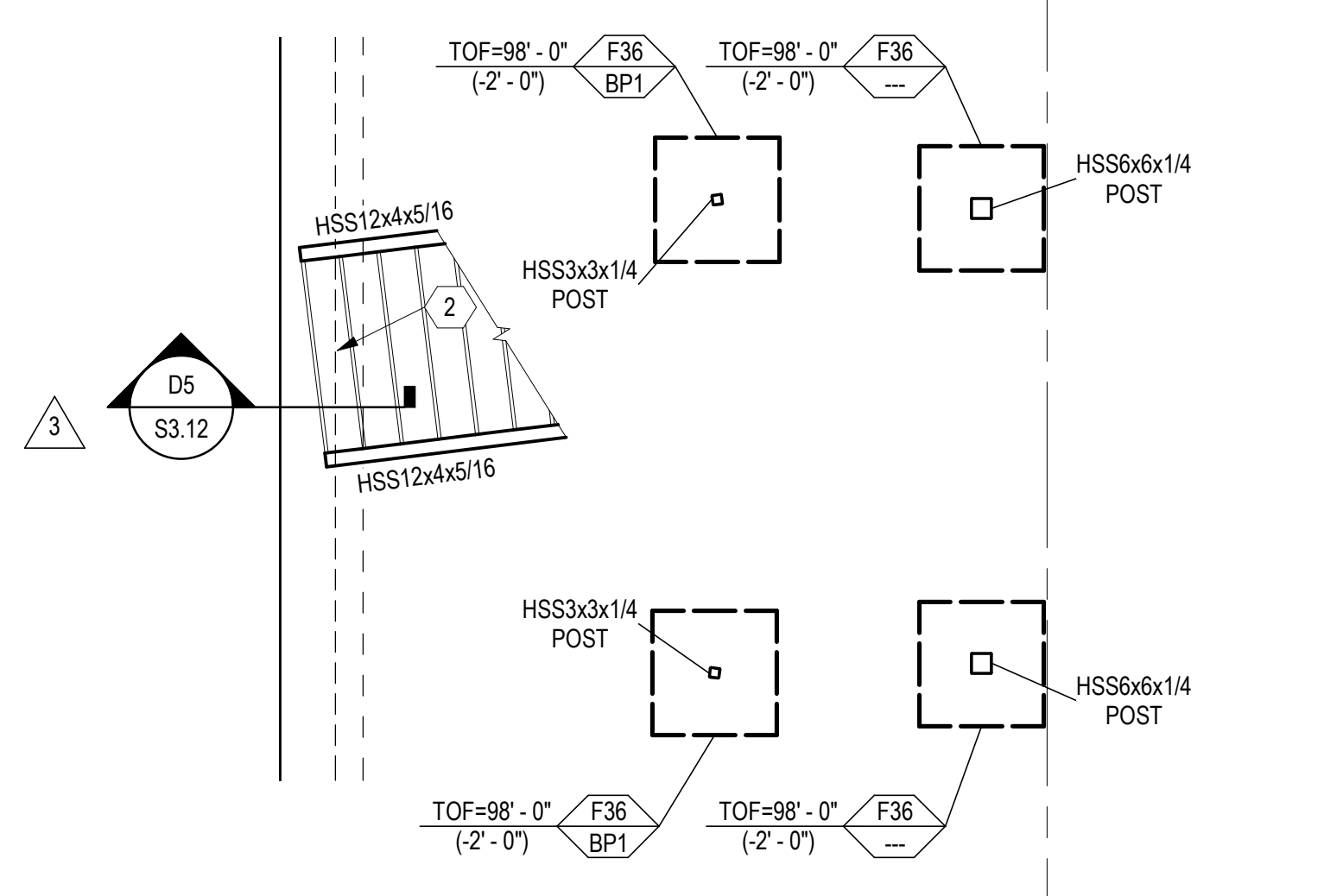
- 4" NORMAL WEIGHT CONCRETE LANDING SLAB REINFORCED WITH 6x6-W2 1xW2.1 WELDED WIRE FABRIC IN FLAT SHEETS ONLY OVER METAL PAN. SEE ARCHITECTURAL DRAWINGS FOR LANDING ELEVATIONS.
- 2" CONCRETE FILLED METAL PANS, REINFORCED WITH 6x6-W2 1xW2.1 WELDED WIRE FABRIC.
- SEE C1 / S5.54 FOR MOMENT CONNECTION AT POST.
- SEE C4 / S5.54 FOR MOMENT CONNECTION AT WEB OF WIDE FLANGE.
- STRUCTURAL MEMBER SUPPORTING EXIT STAIRS. SEE LIFE SAFETY DRAWINGS FOR FIREPROOFING REQUIREMENTS.



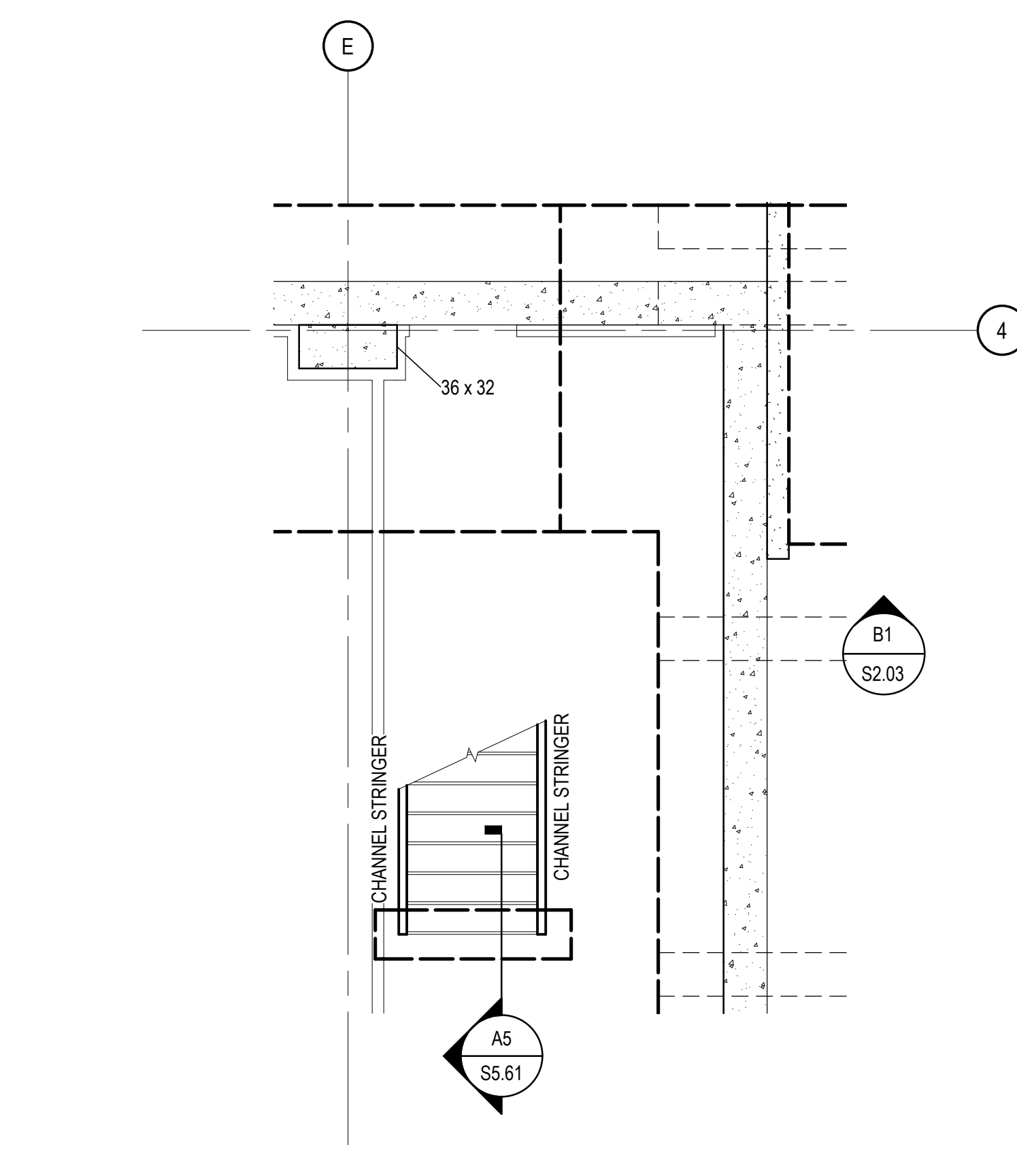
B1 ENLARGED STAIR PLAN - SECOND FLOOR FRAMING
 SCALE: 1/4" = 1'-0"



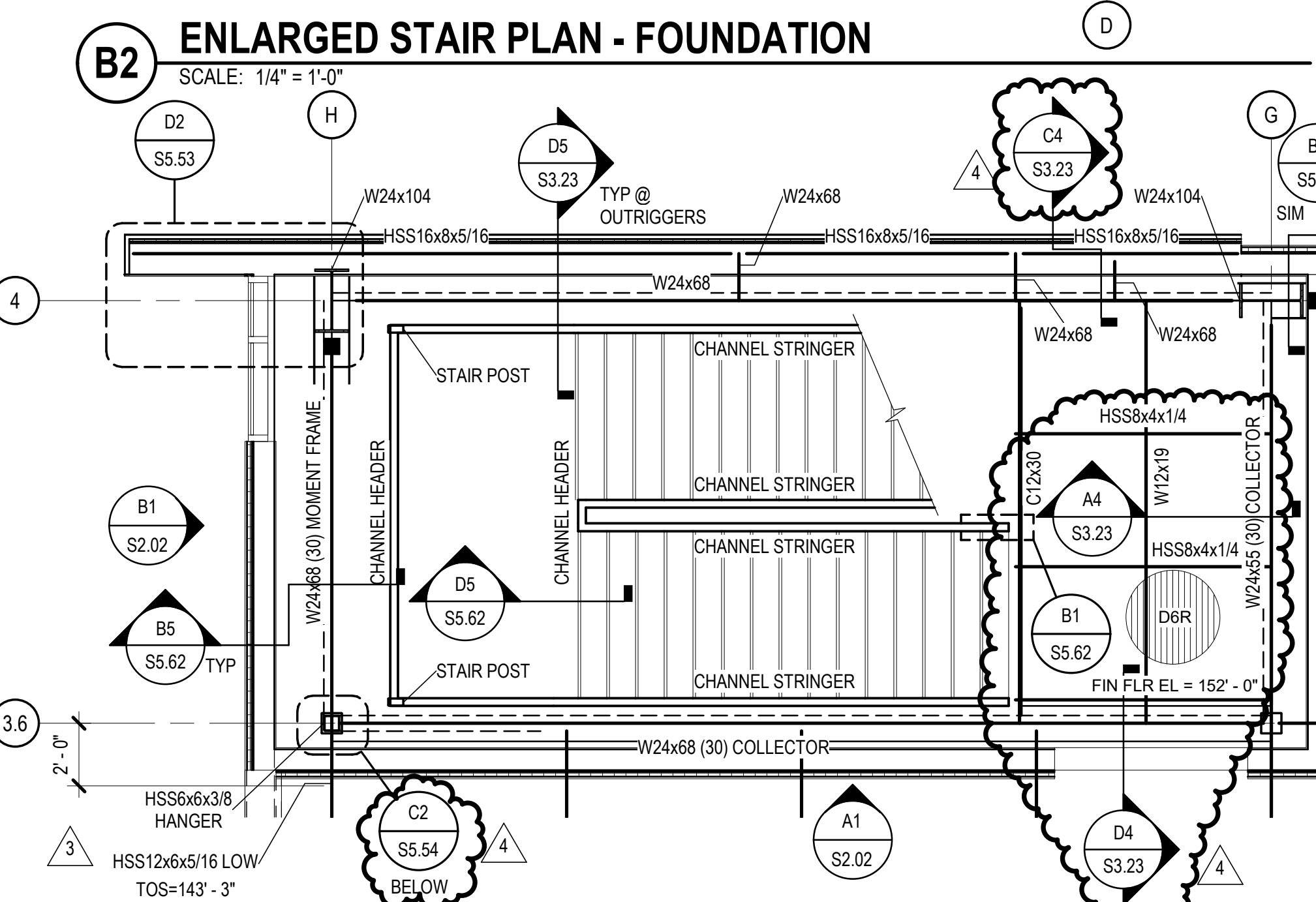
C2 ENLARGED STAIR PLAN - SECOND FLOOR FRAMING
 SCALE: 1/4" = 1'-0"



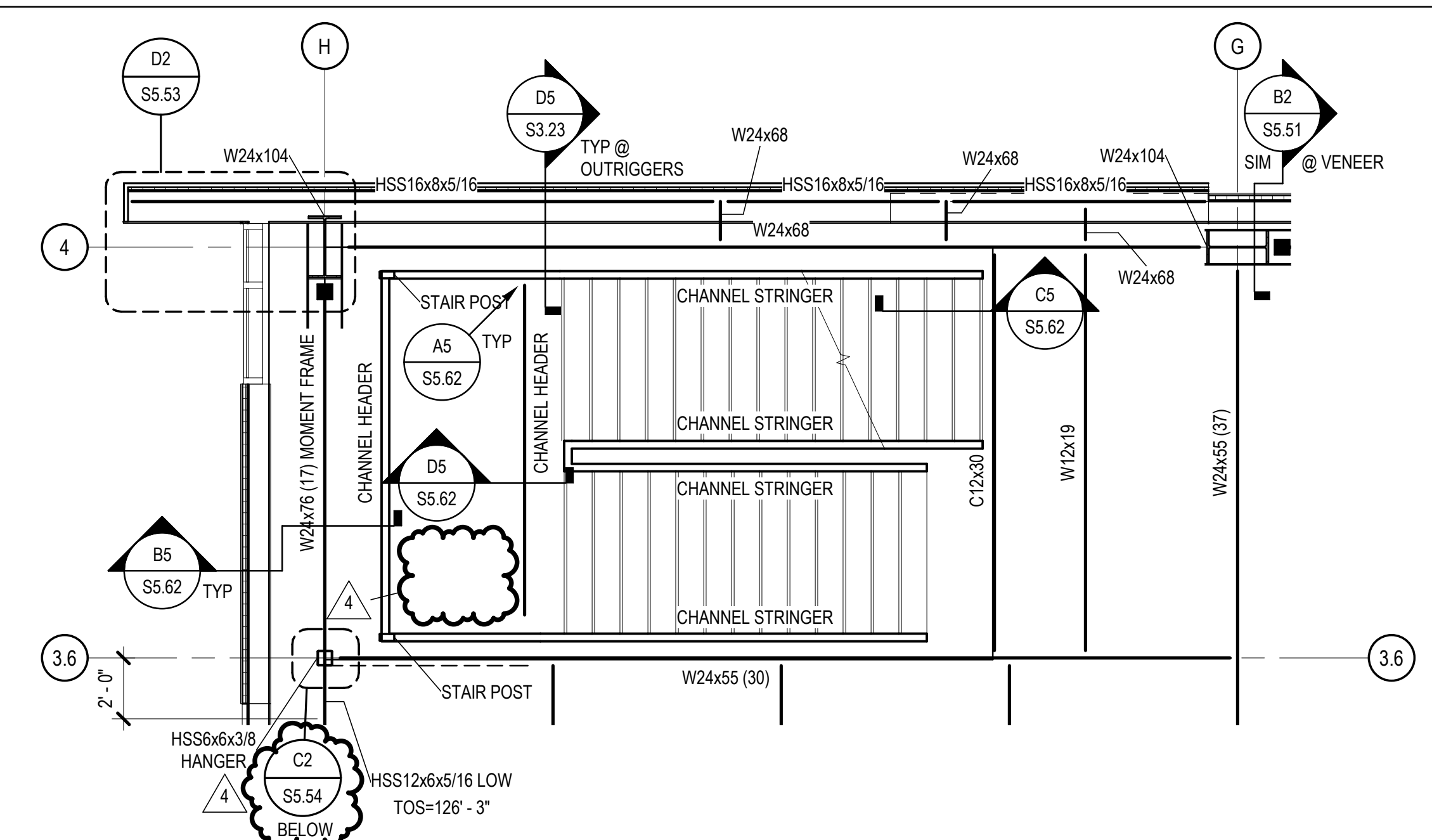
B2 ENLARGED STAIR PLAN - FOUNDATION
 SCALE: 1/4" = 1'-0"



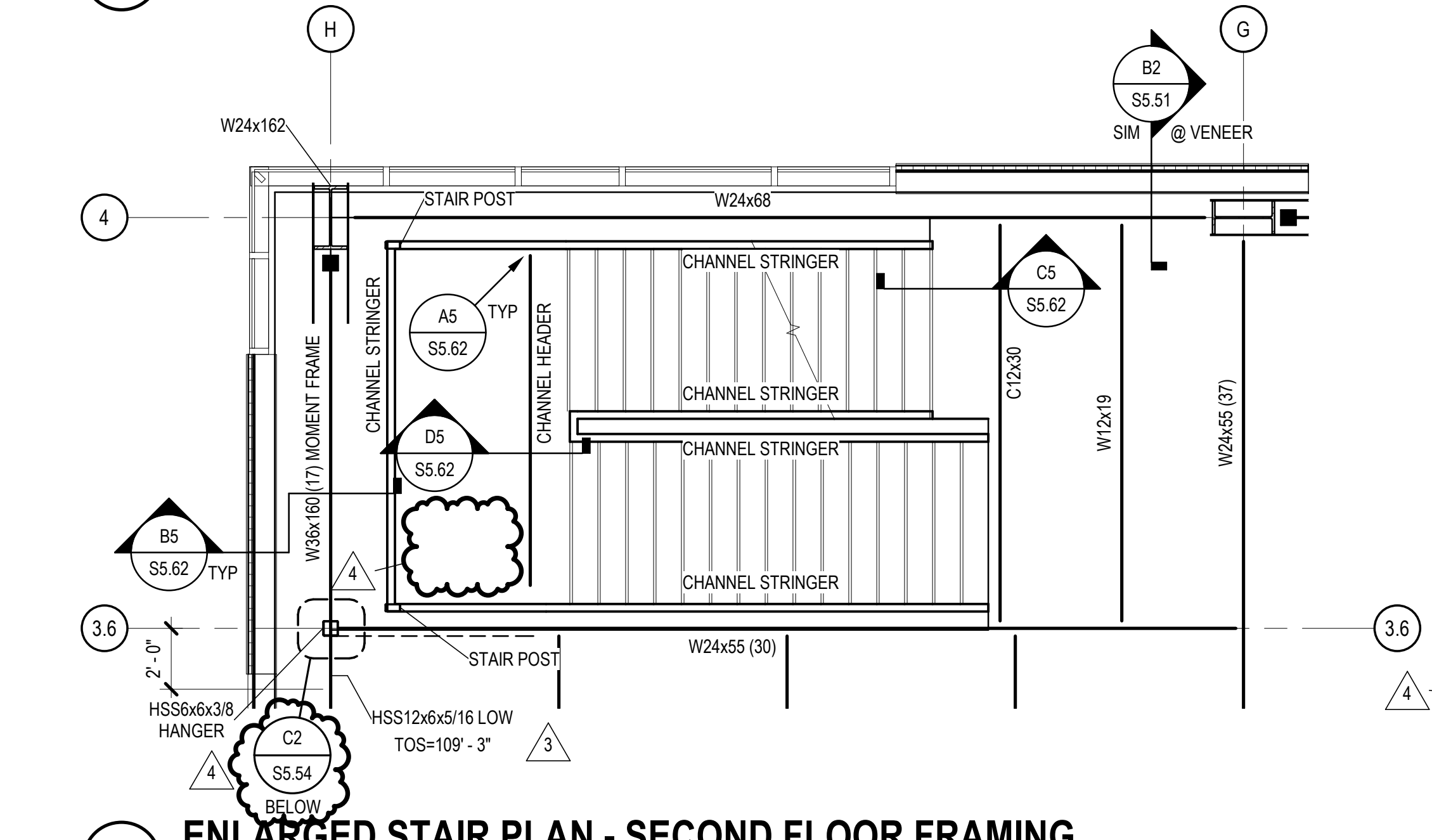
A1 ENLARGED STAIR PLAN - FOUNDATION
 SCALE: 1/4" = 1'-0"



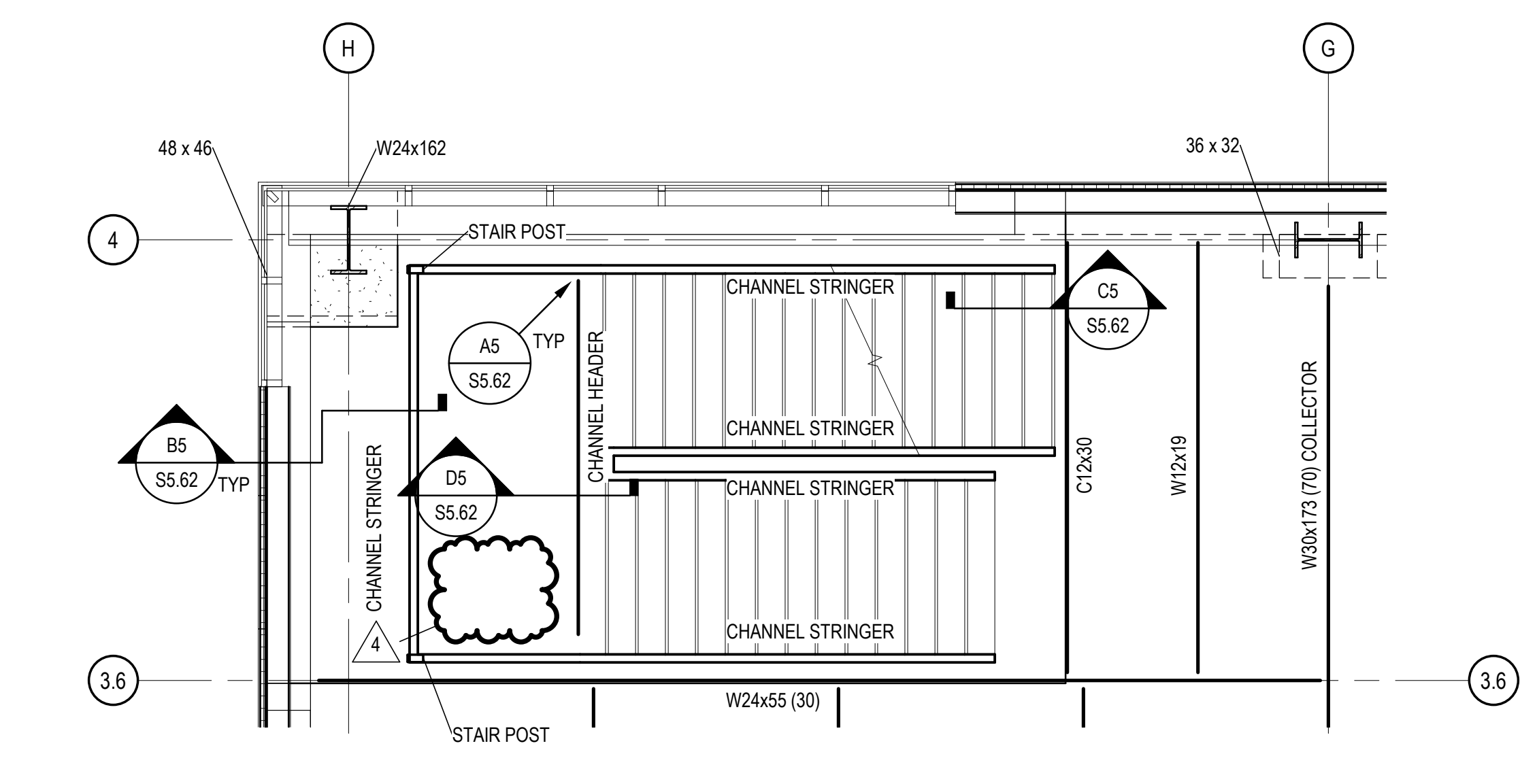
A2 ENLARGED STAIR PLAN - ROOF FRAMING
 SCALE: 1/4" = 1'-0"



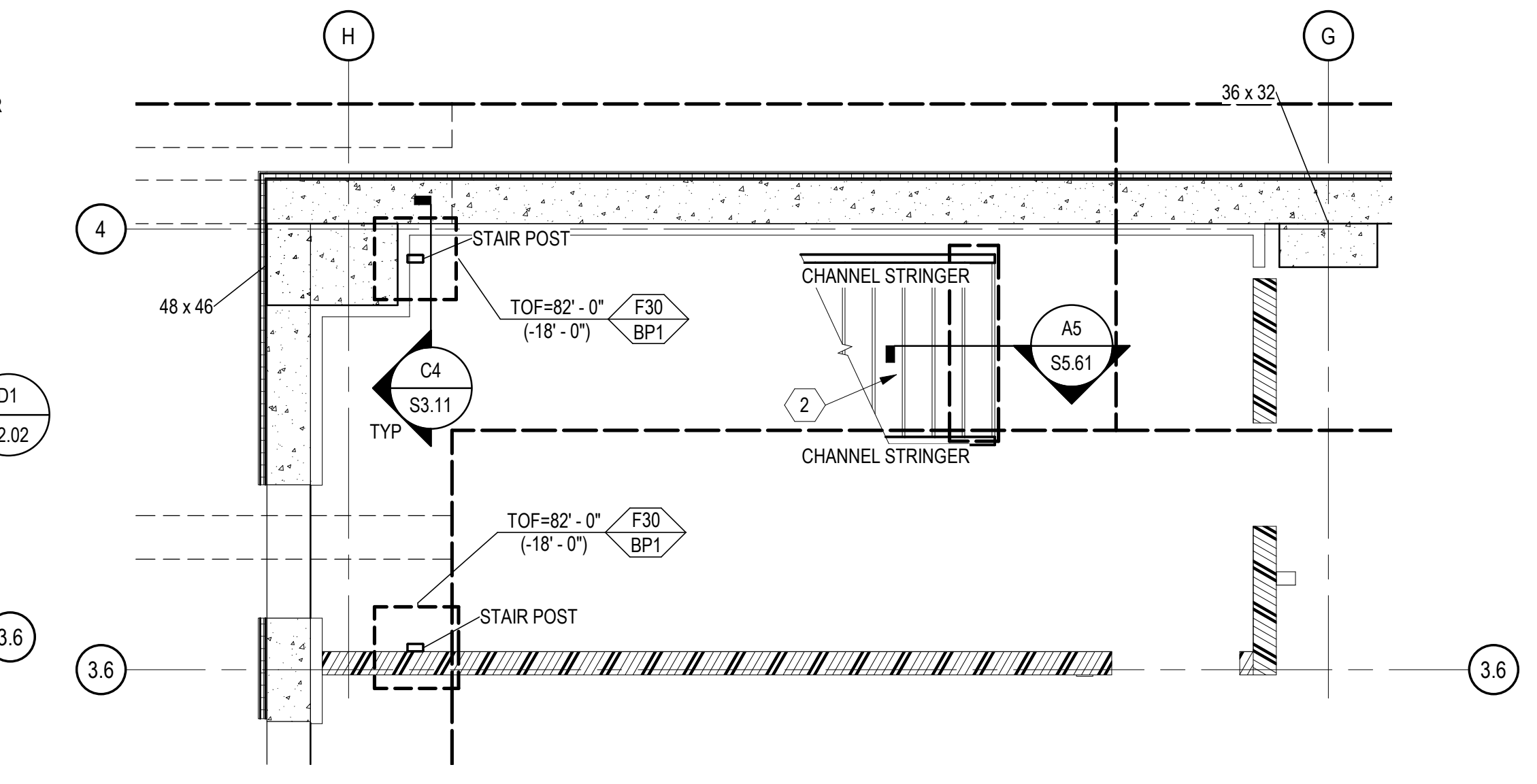
D3 ENLARGED STAIR PLAN - THIRD FRAMING
 SCALE: 1/4" = 1'-0"



C3 ENLARGED STAIR PLAN - SECOND FLOOR FRAMING
 SCALE: 1/4" = 1'-0"



B3 ENLARGED STAIR PLAN - FIRST FLOOR FRAMING
 SCALE: 1/4" = 1'-0"



A3 ENLARGED STAIR PLAN - FOUNDATION
 SCALE: 1/4" = 1'-0"

ENTIRE SHEET REVISED

KEY PLAN:

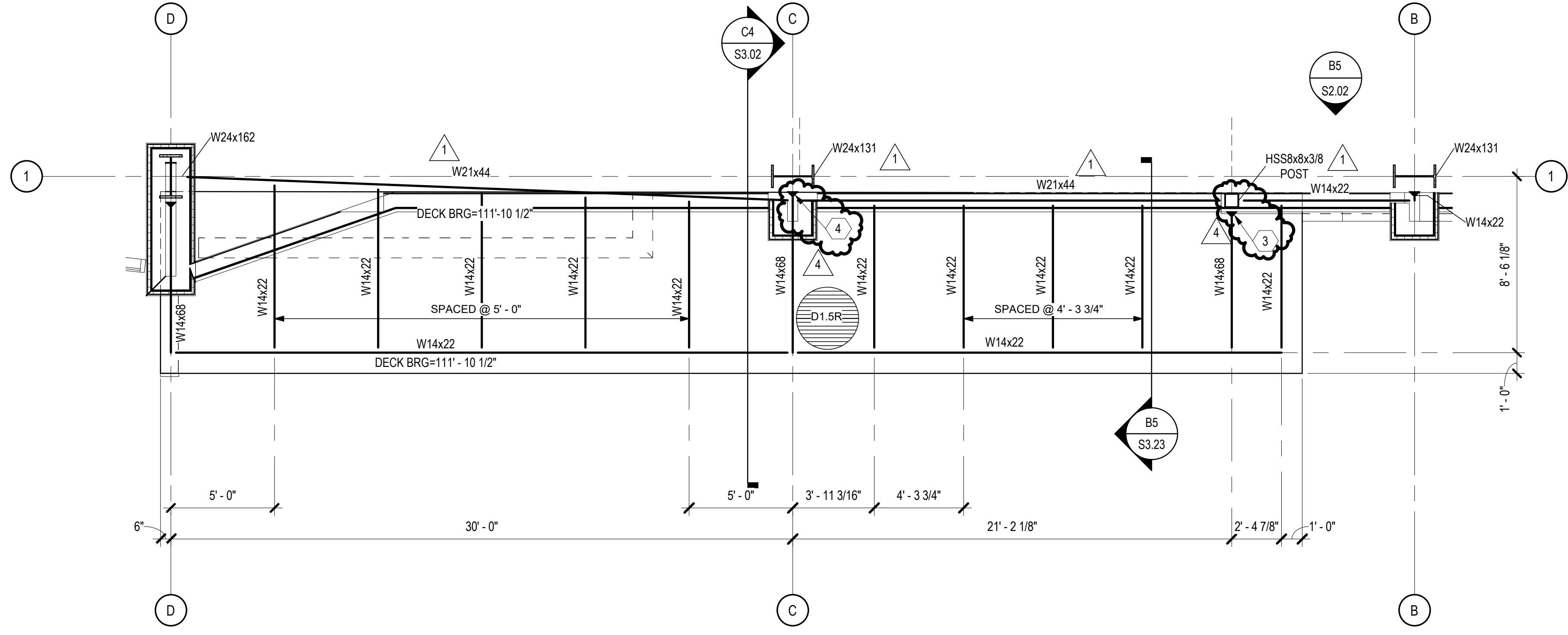
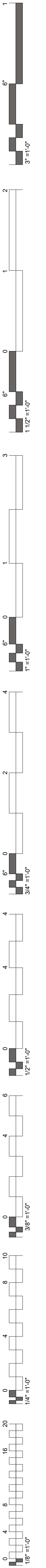
PROJECT PHASE:
 BID PACKAGE 03

#	DATE	REVISIONS
1	5/24/19	BID PACKAGE 03 ABL 02
2	7/12/19	BID PACKAGE 03 ABL 03
3	8/9/19	BID PACKAGE 03 ABL 04

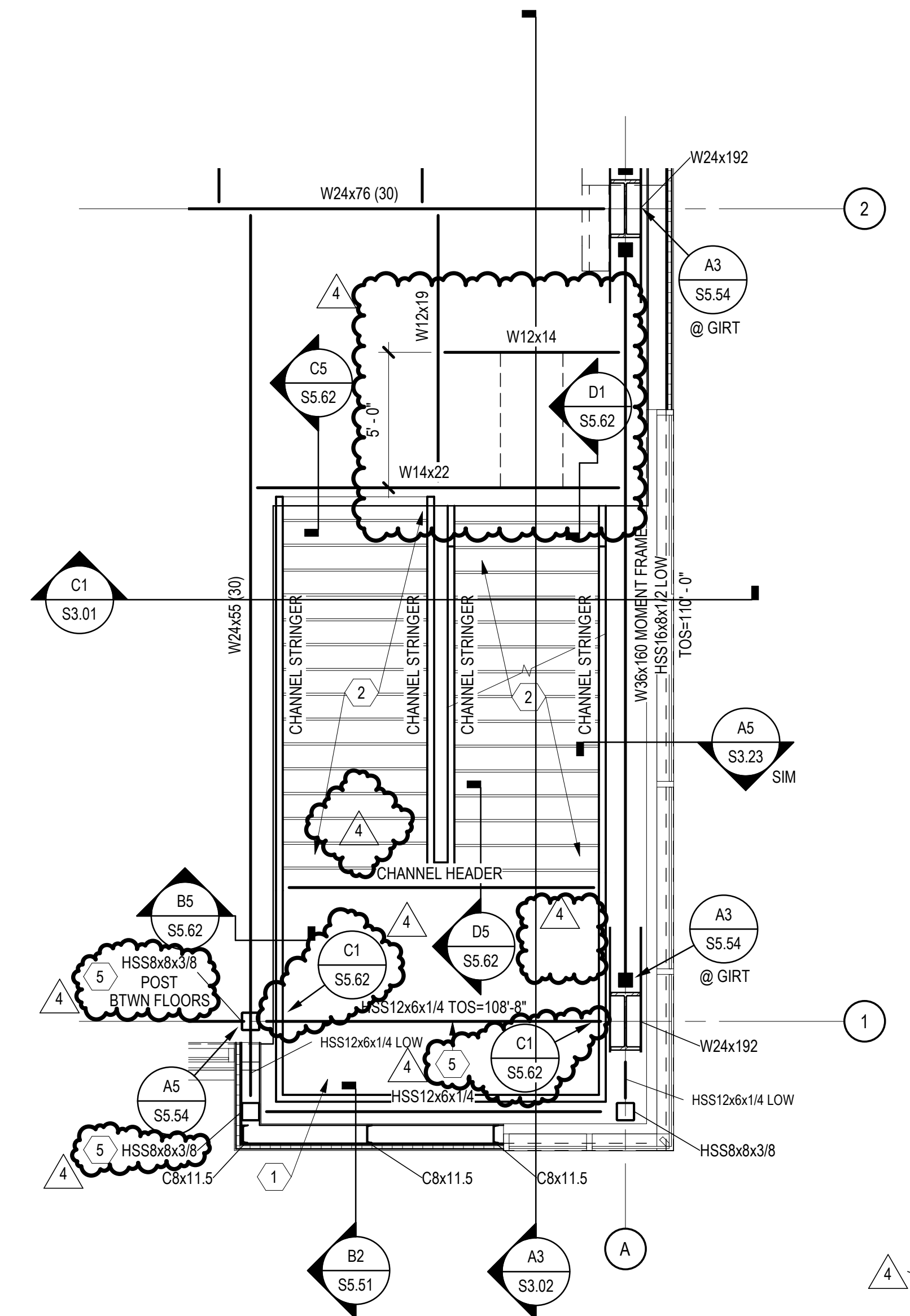
DATE: 03-20-19 JOB NUMBER: 17-13

SHEET NUMBER: S4.01

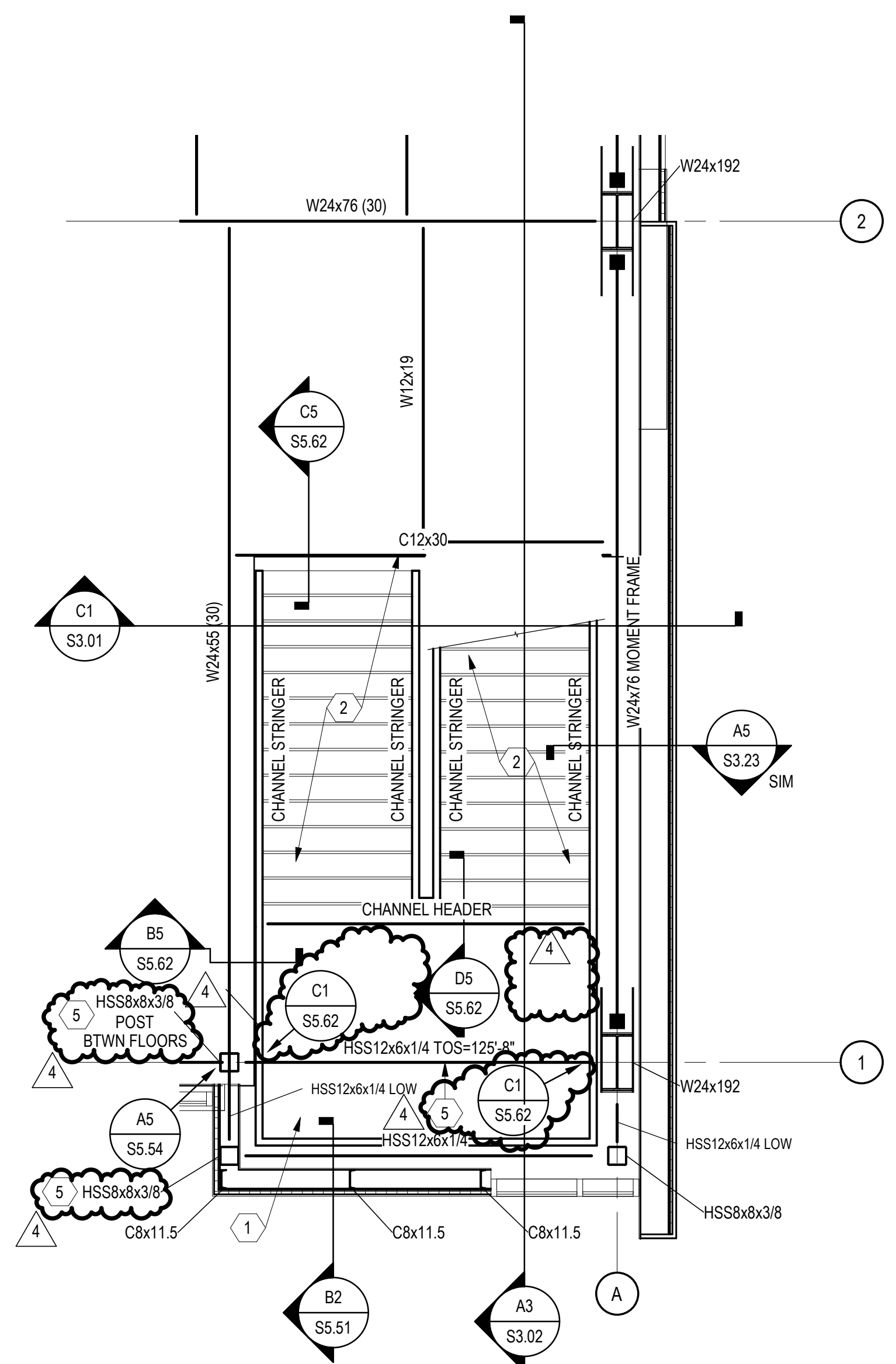
ENLARGED STAIR PLANS



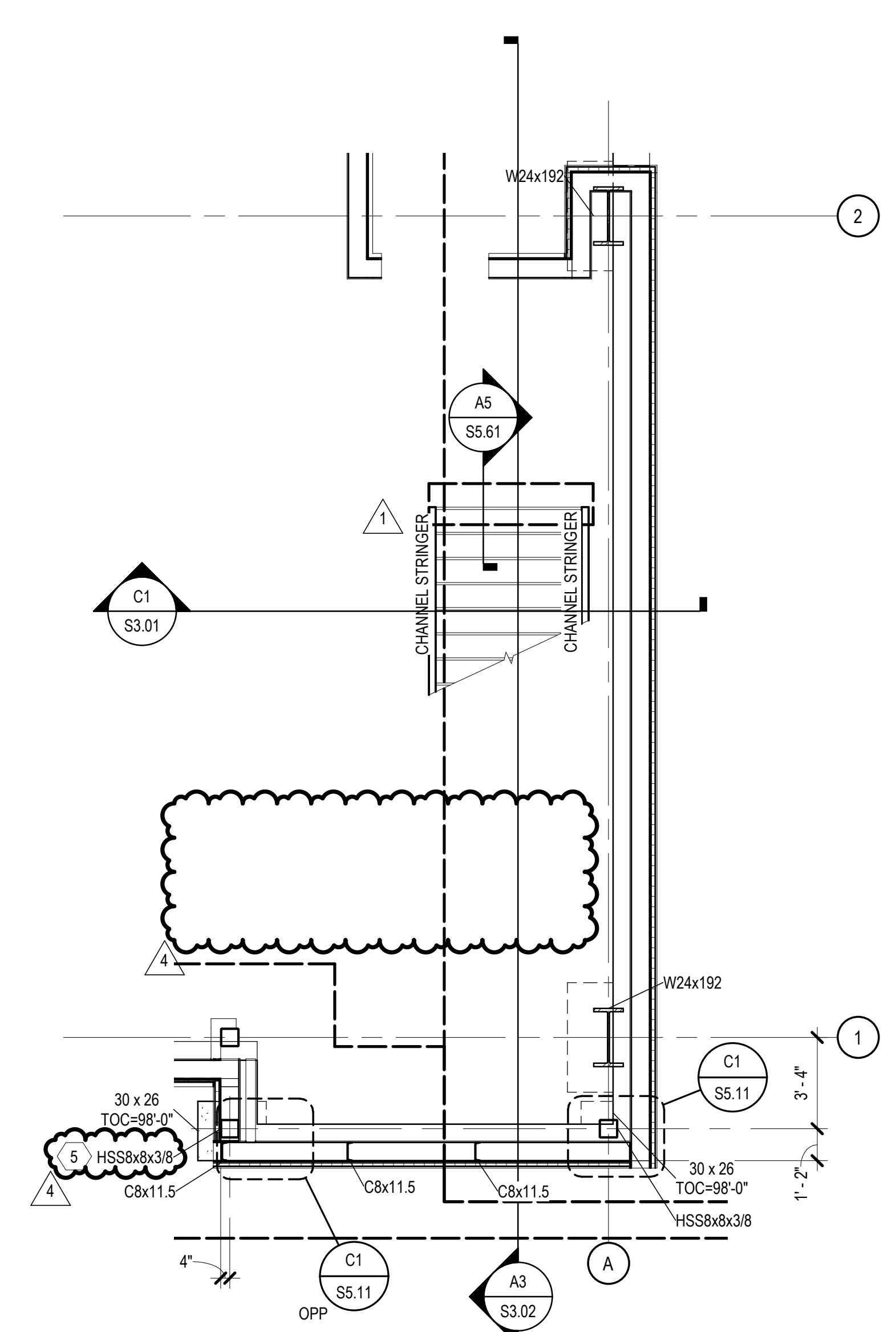
C1 ENTRY CANOPY FRAMING PLAN
SCALE: 1/4" = 1'-0"



C4 ENLARGED STAIR PLAN - SECOND FLOOR FRAMING
SCALE: 1/4" = 1'-0"



A3 ENLARGED STAIR PLAN - THIRD FLOOR FRAMING
SCALE: 1/4" = 1'-0"



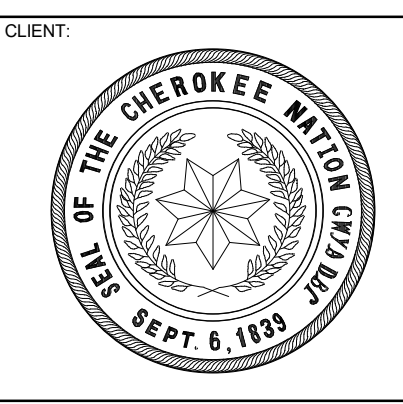
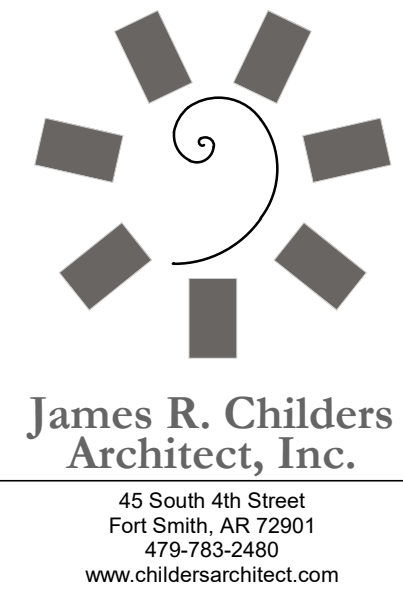
A4 ENLARGED STAIR PLAN - FOUNDATION
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

- SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
- DIMENSIONS ARE TO THE FACE OF CONCRETE, OR STUD UNLESS NOTED OTHERWISE. COORDINATE ALL STAIR DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR INTERMEDIATE LANDING ELEVATIONS.
- SEE ARCHITECTURAL DRAWINGS FOR STAIR RISE AND RUN.
- STRUCTURAL COLD FORMED METAL STUDS SHALL BE 60S162-43 AT 16" ON CENTER UNLESS NOTED OTHERWISE.

SHEET KEYNOTE

- 4" NORMAL WEIGHT CONCRETE LANDING SLAB REINFORCED WITH 6#6-W2 1xW2 1 WELDED WIRE FABRIC IN FLAT SHEETS ONLY OVER METAL PAN. SEE ARCHITECTURAL DRAWINGS FOR LANDING ELEVATIONS.
- 2" CONCRETE FILLED METAL PANS, REINFORCED WITH 6#6-W2 1xW2 1 WELDED WIRE FABRIC.
- SEE C1 / S5.54 FOR MOMENT CONNECTION AT POST.
- SEE C4 / S5.52 FOR MOMENT CONNECTION AT WEB OF WIDE FLANGE.
- STRUCTURAL MEMBER SUPPORTING EXIT STAIRS. SEE LIFE SAFETY DRAWINGS FOR FIREPROOFING REQUIREMENTS.



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KEY PLAN:

PROJECT PHASE:
BID PACKAGE 03

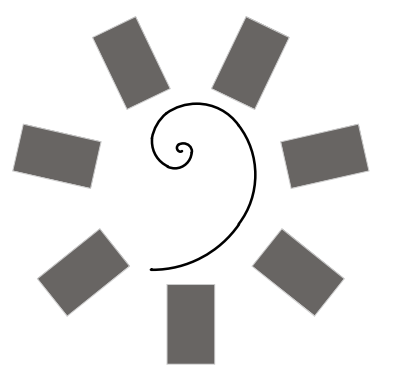
#	DATE	REVISIONS
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2	5/24/19	BID PACKAGE 03 ABL 02
3	8/8/19	BID PACKAGE 03 ABL 04

DATE: 03-20-19 JOB NUMBER: 17-13

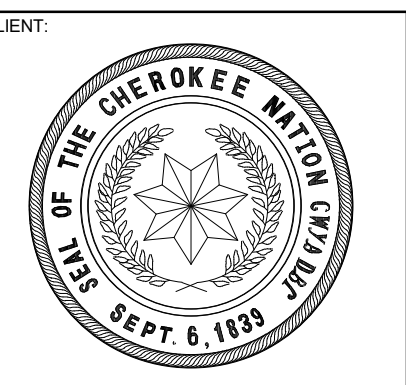
SHEET NUMBER:
S4.02

ENLARGED PLANS

ENTIRE SHEET REVISED



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COLLEGE OF
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KEY PLAN

PROJECT PHASE
BID PACKAGE 03

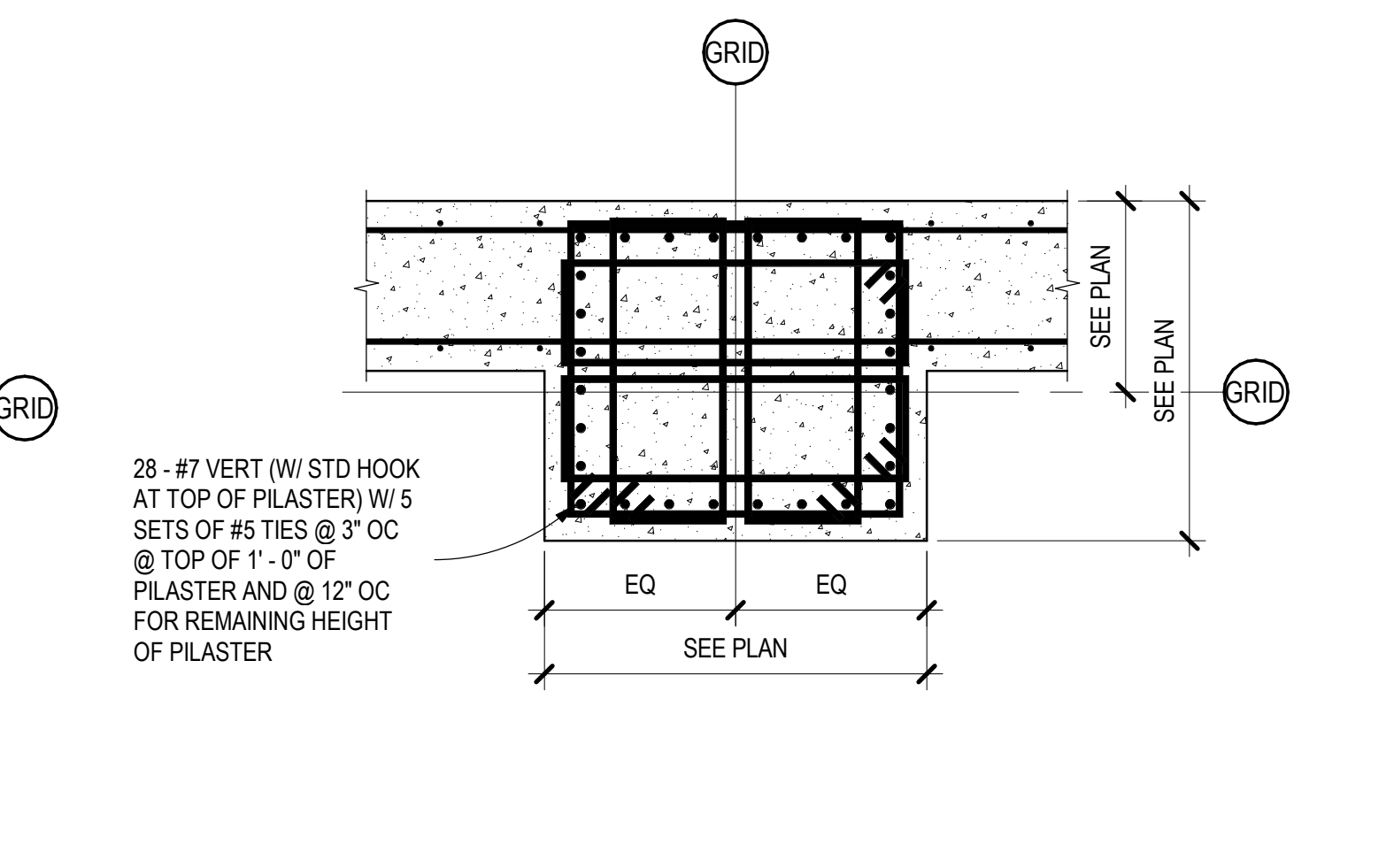
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2	5/28/19	BID PACKAGE 03 A01 02	
3	7/10/19	BID PACKAGE 03 A01 03	

DATE: 03-20-19 JOB NUMBER: 17-13

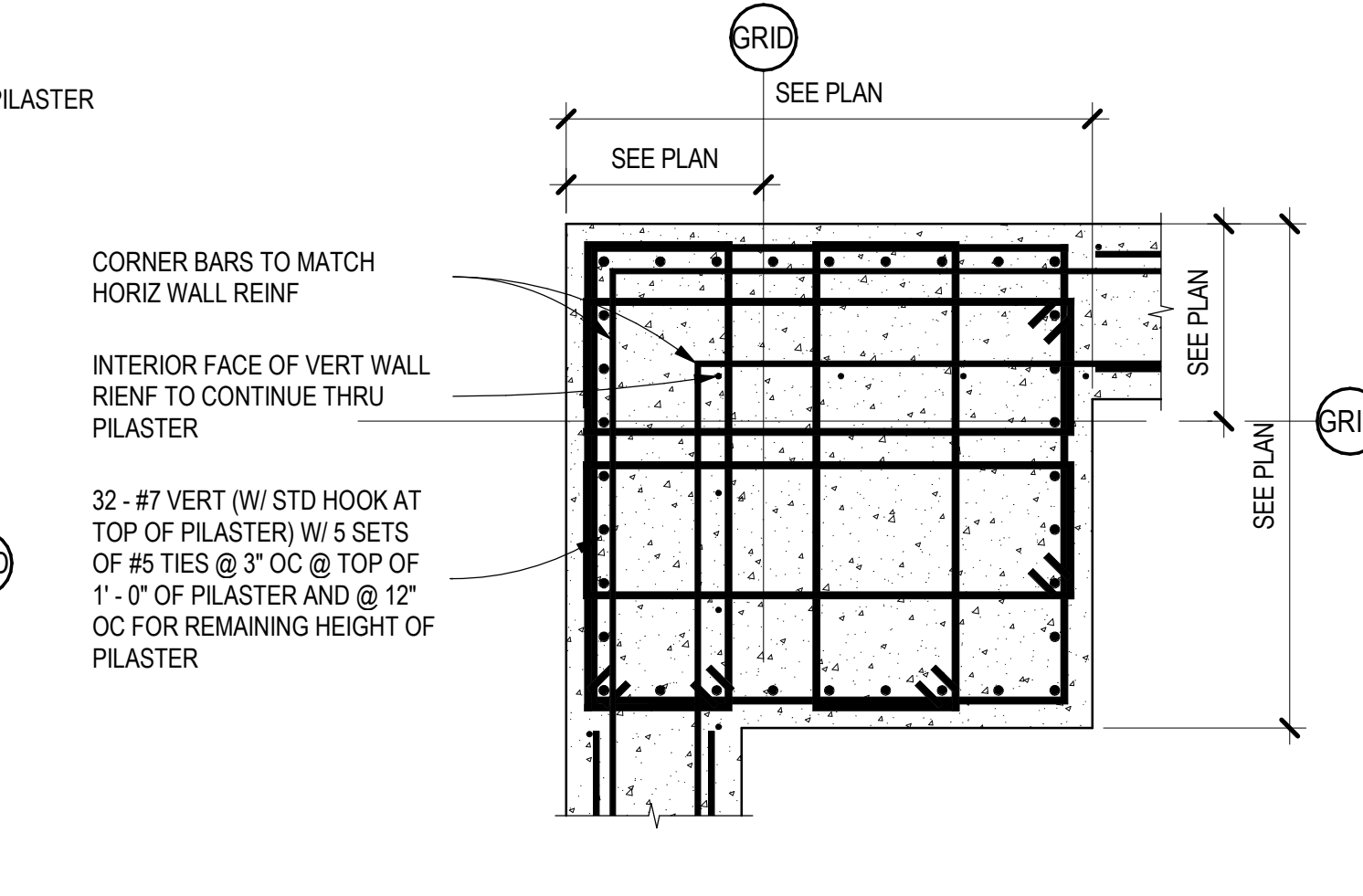
SHEET NUMBER:

S5.11

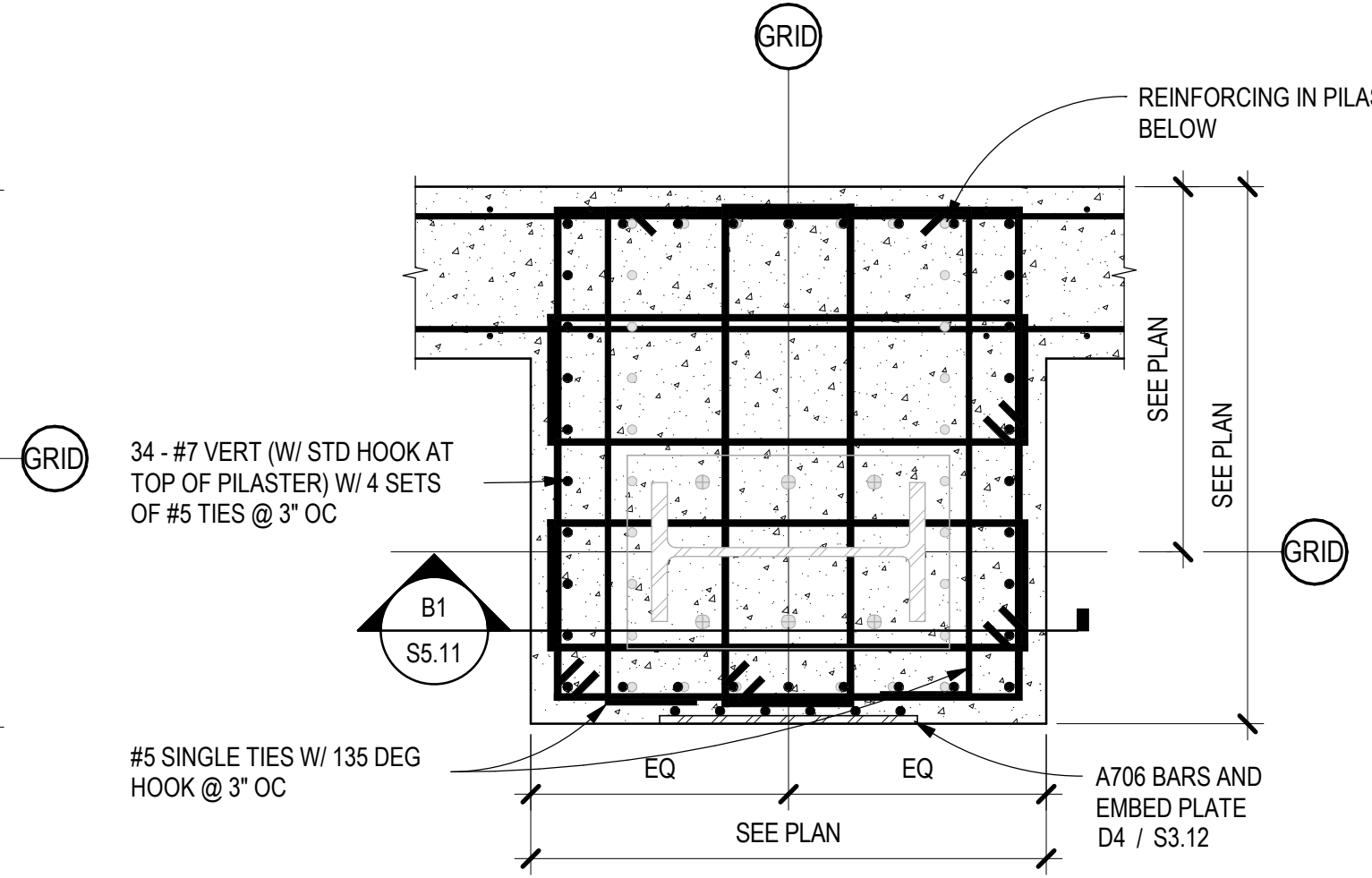
CONCRETE DETAILS



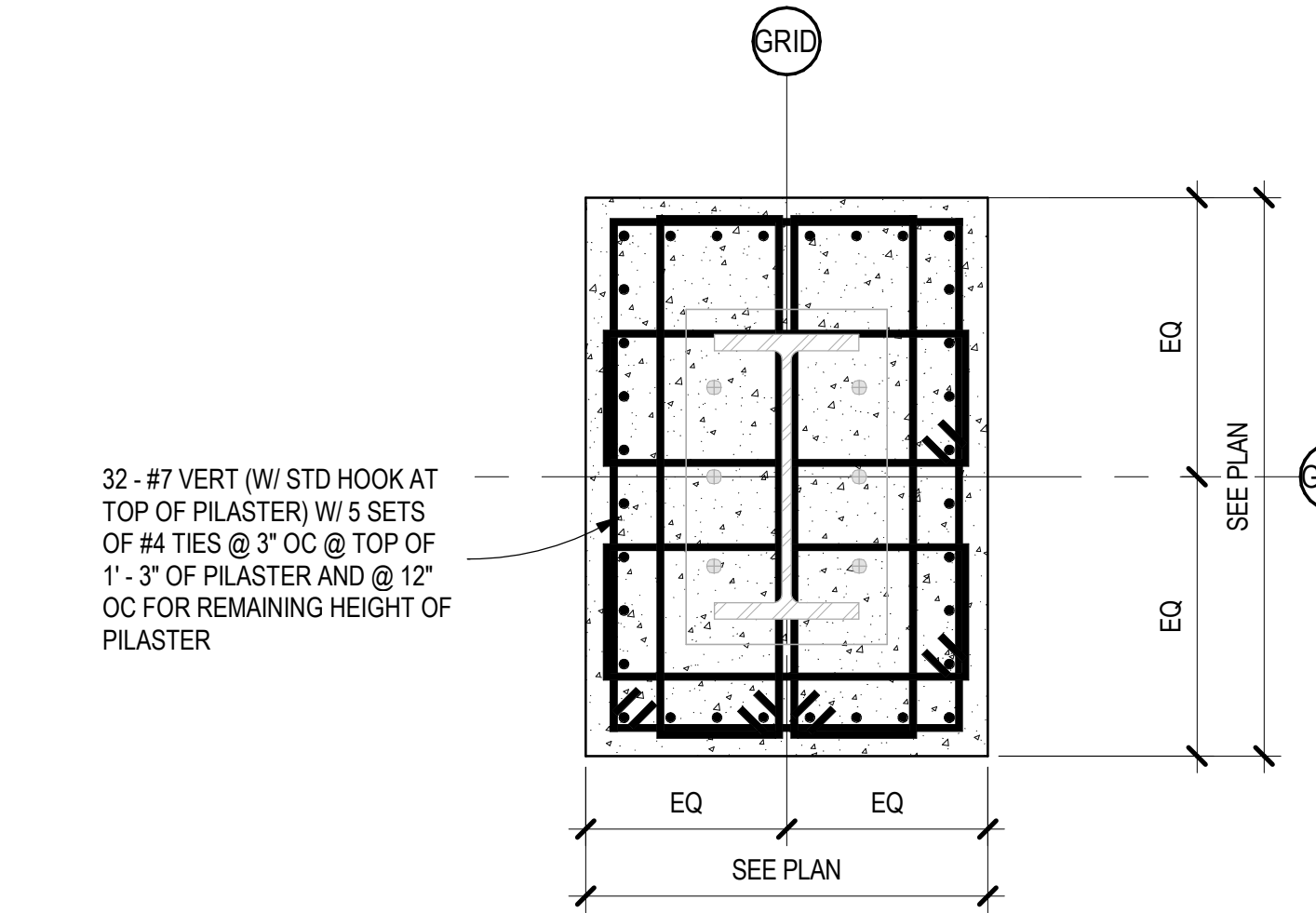
D5 PILASTER DETAIL - LOWER PILASTER
SCALE: 3/4" = 1'-0"



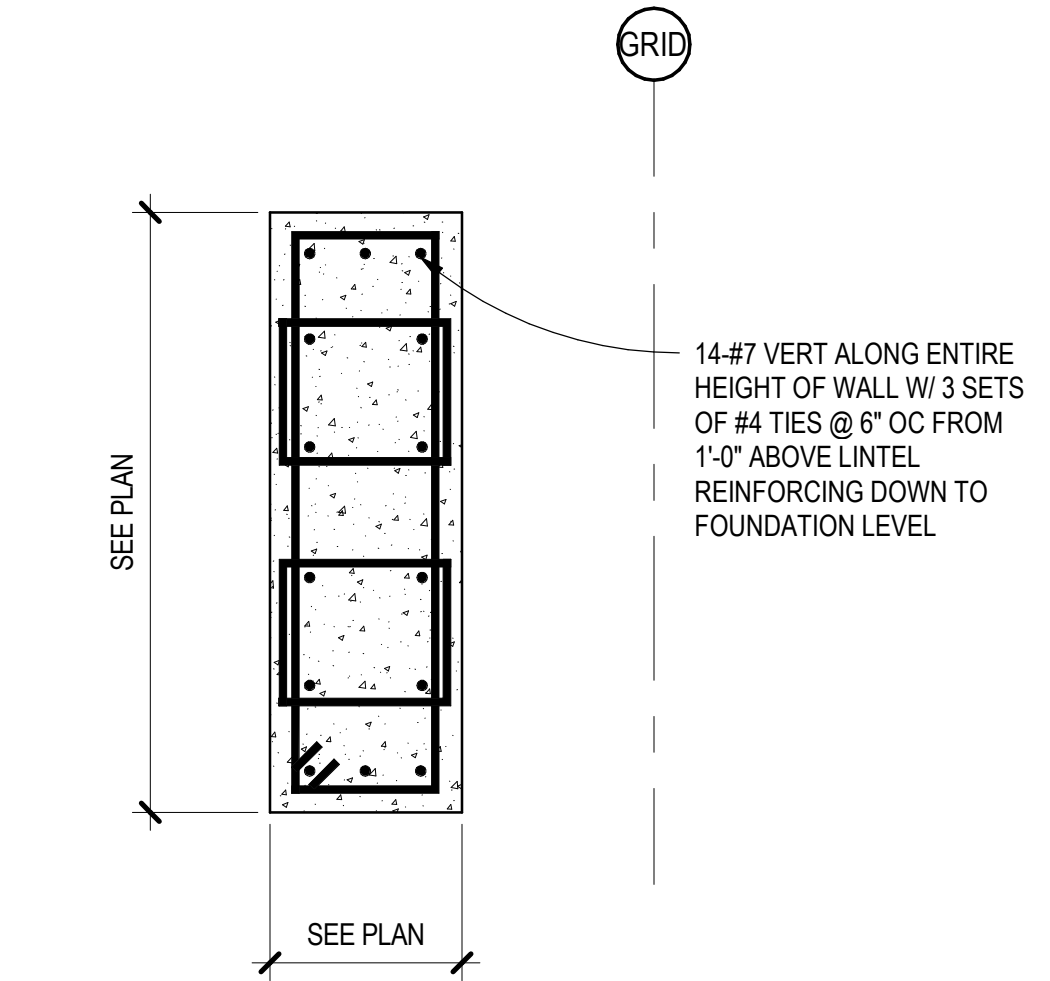
D4 PILASTER DETAIL - LOWER PILASTER
SCALE: 3/4" = 1'-0"



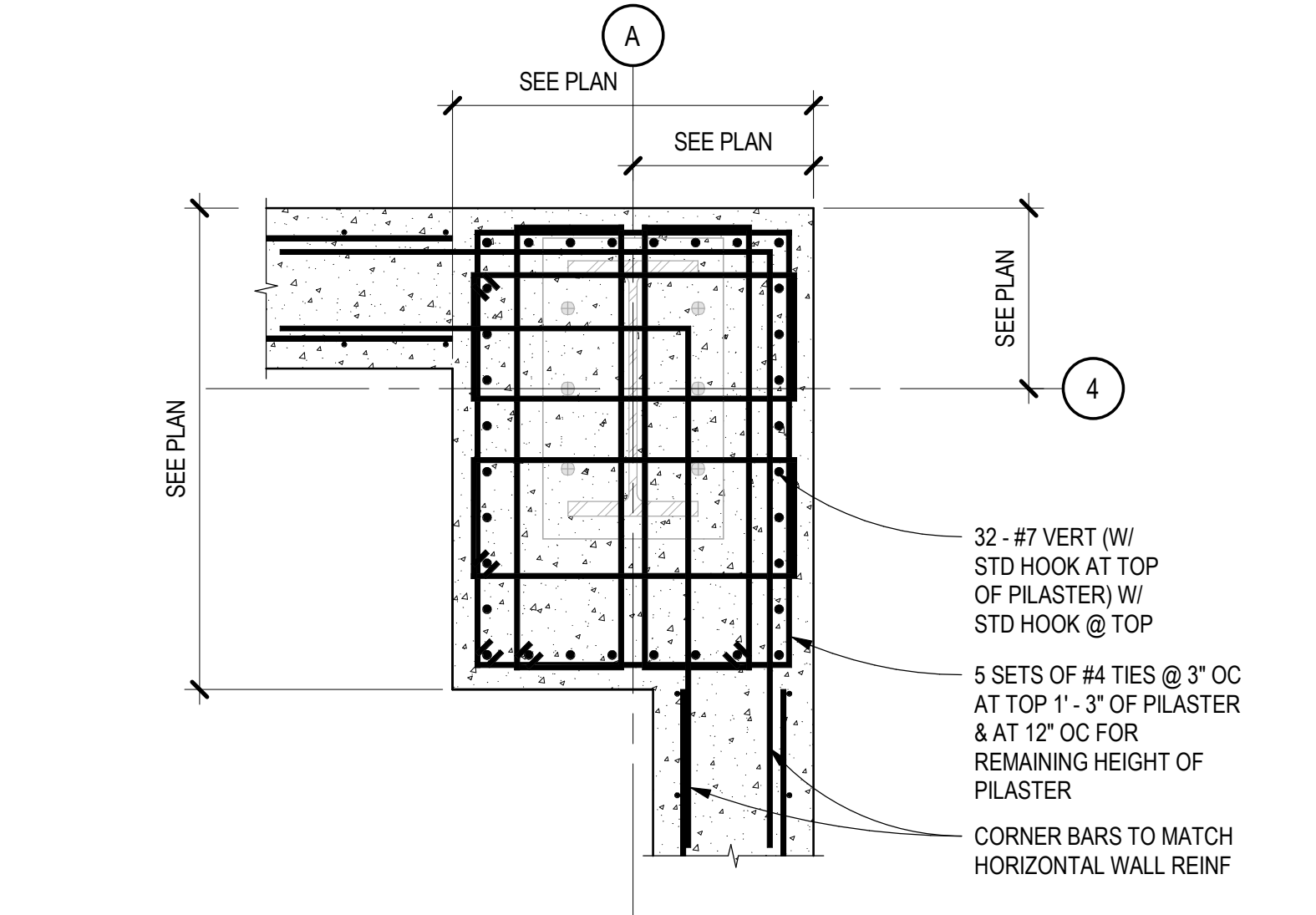
D3 PILASTER DETAIL - UPPER PILASTER
SCALE: 3/4" = 1'-0"



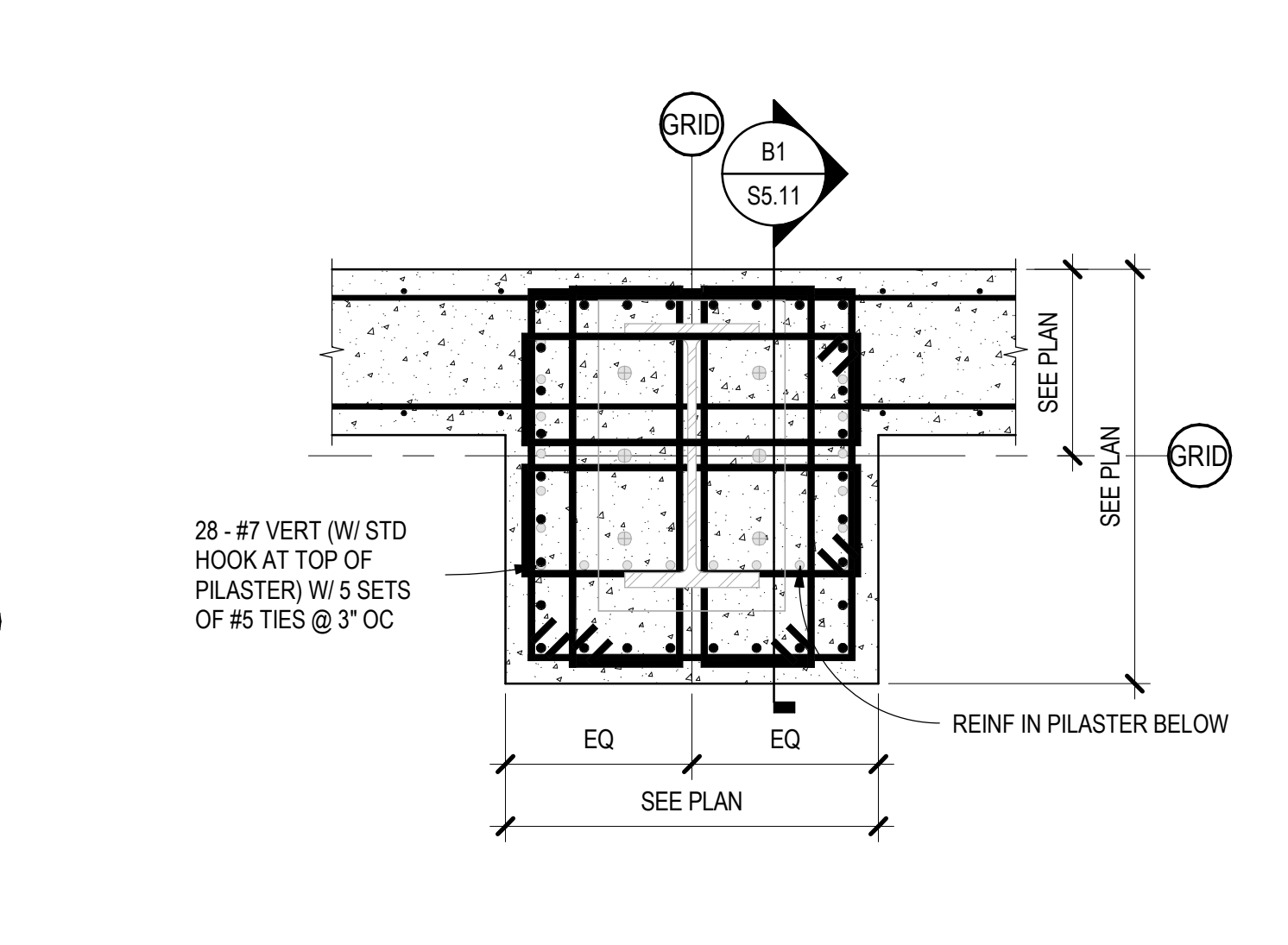
D2 PILASTER DETAIL
SCALE: 3/4" = 1'-0"



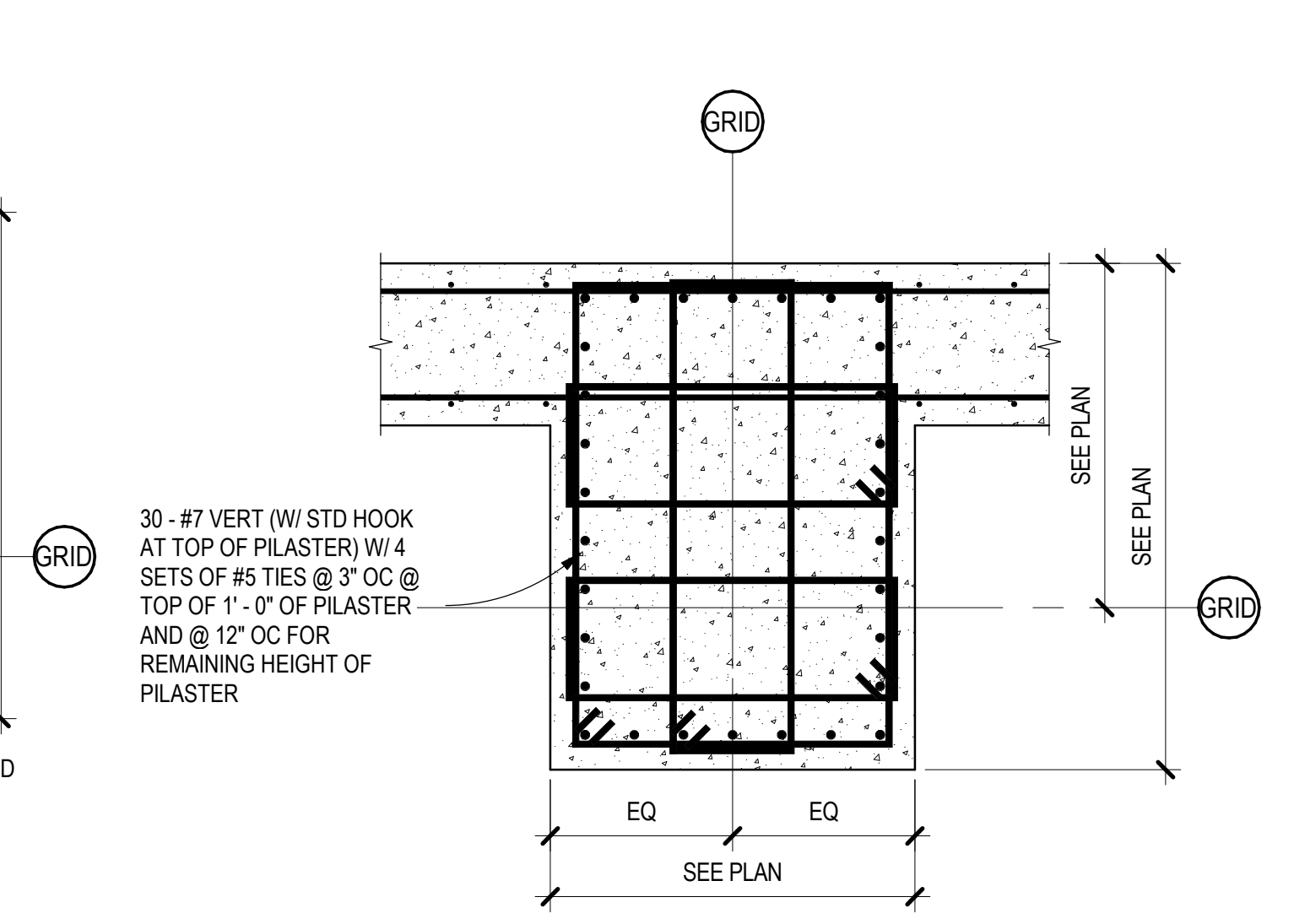
D1 JAMB DETAIL
SCALE: 3/4" = 1'-0"



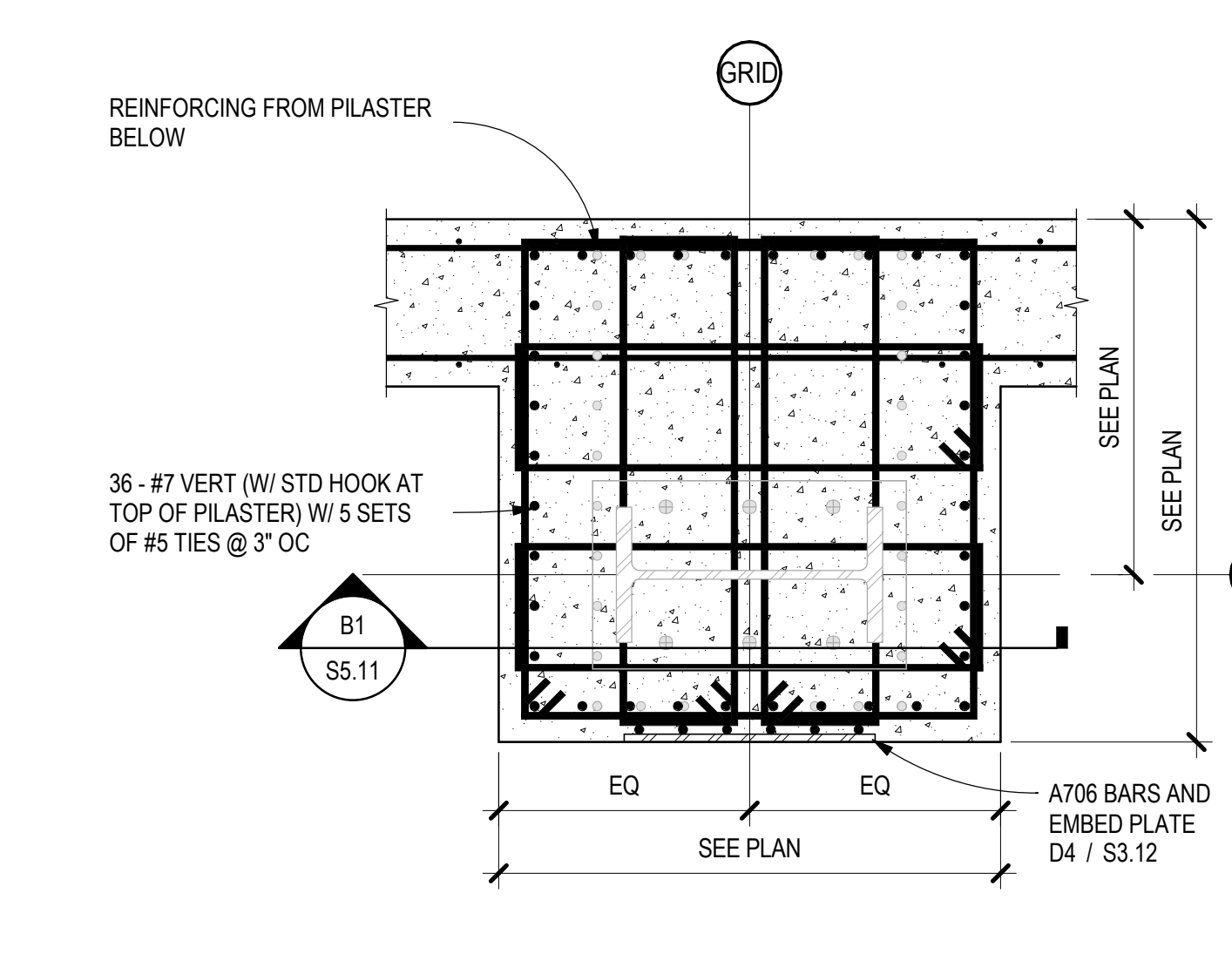
C5 PILASTER DETAIL
SCALE: 3/4" = 1'-0"



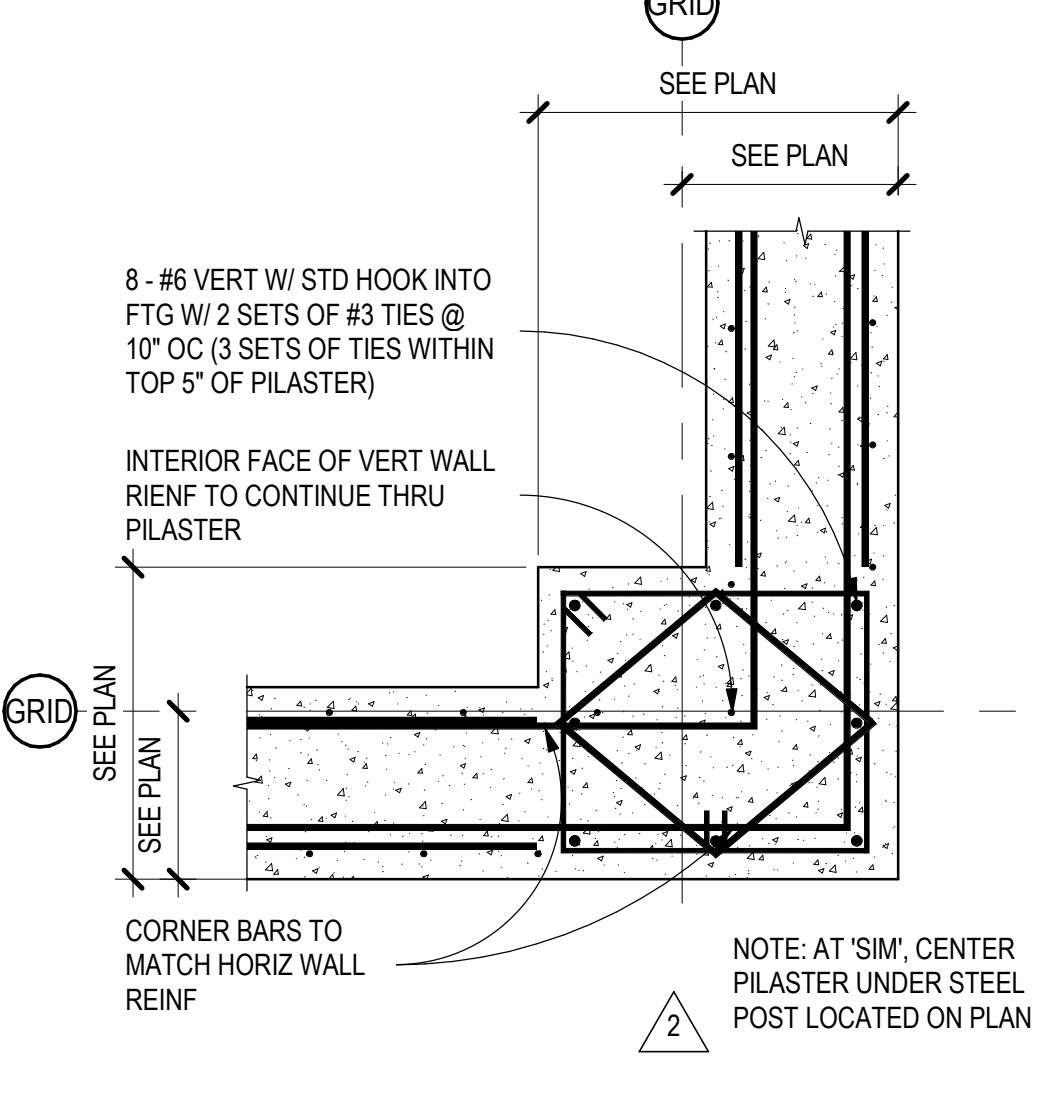
C4 PILASTER DETAIL - UPPER PILASTER
SCALE: 3/4" = 1'-0"



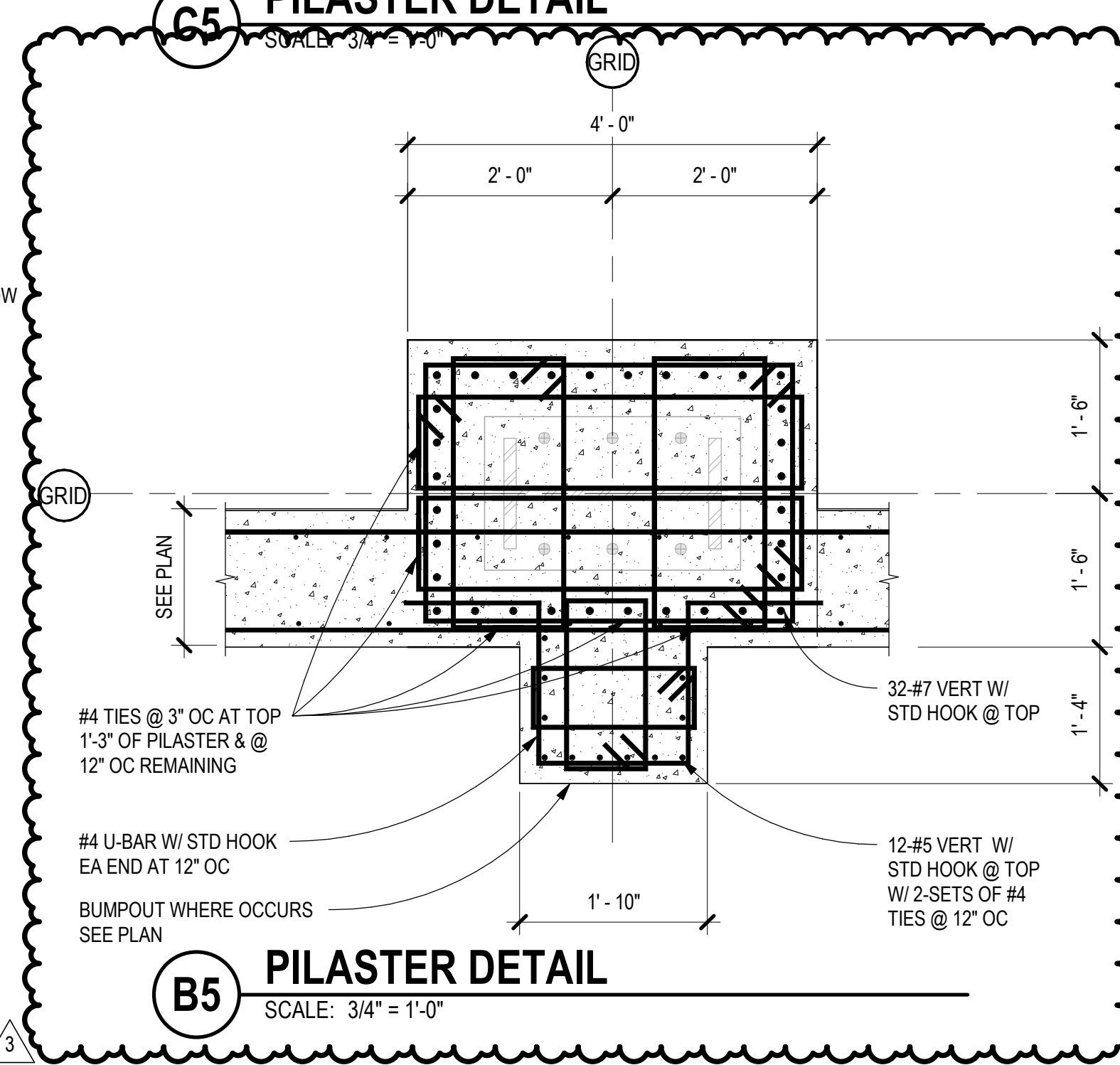
C3 PILASTER DETAIL - LOWER PILASTER
SCALE: 3/4" = 1'-0"



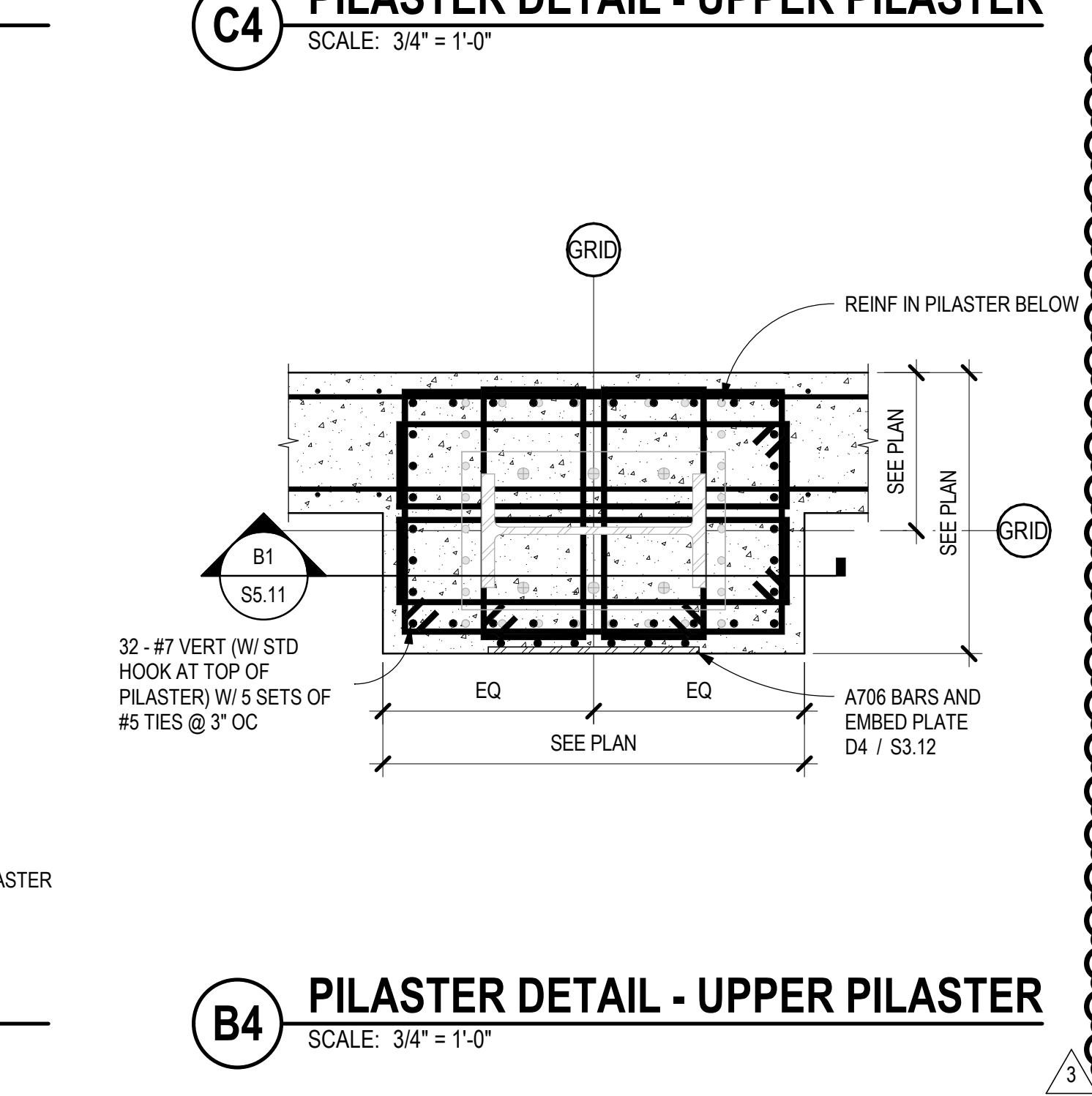
C2 PILASTER DETAIL - UPPER PILASTER
SCALE: 3/4" = 1'-0"



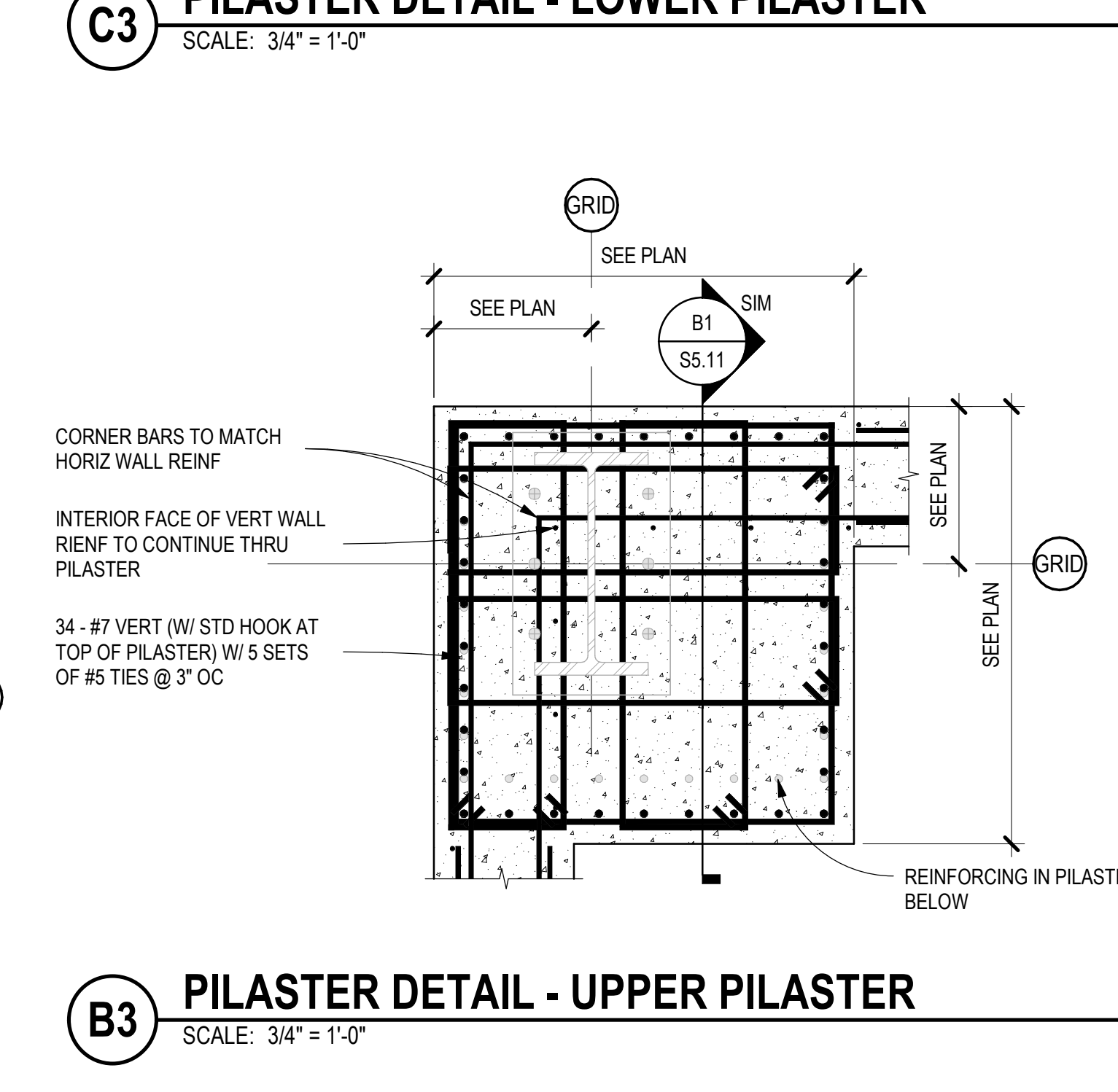
C1 PILASTER DETAIL - STAIR SHAFT
SCALE: 3/4" = 1'-0"



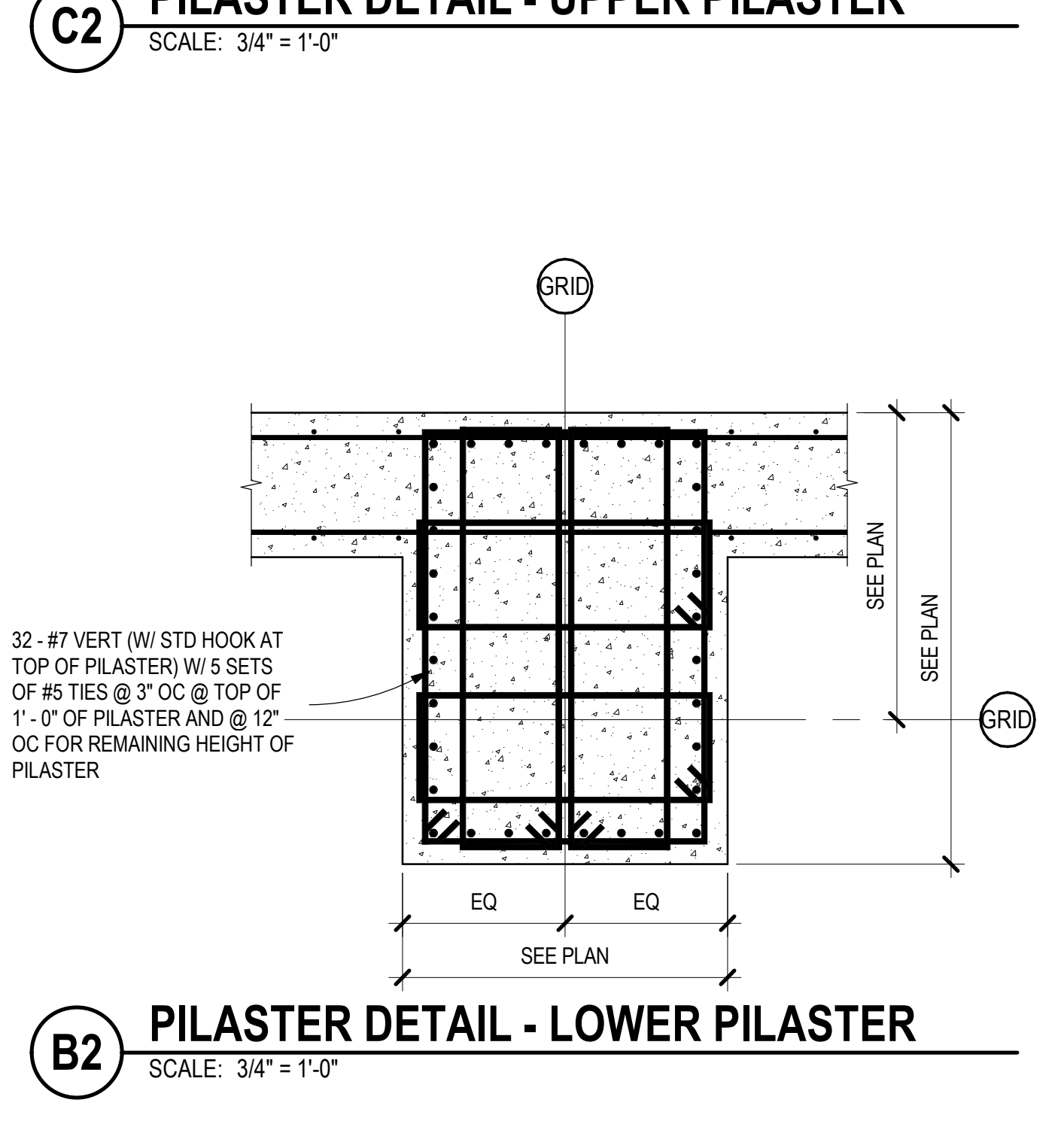
B5 PILASTER DETAIL
SCALE: 3/4" = 1'-0"



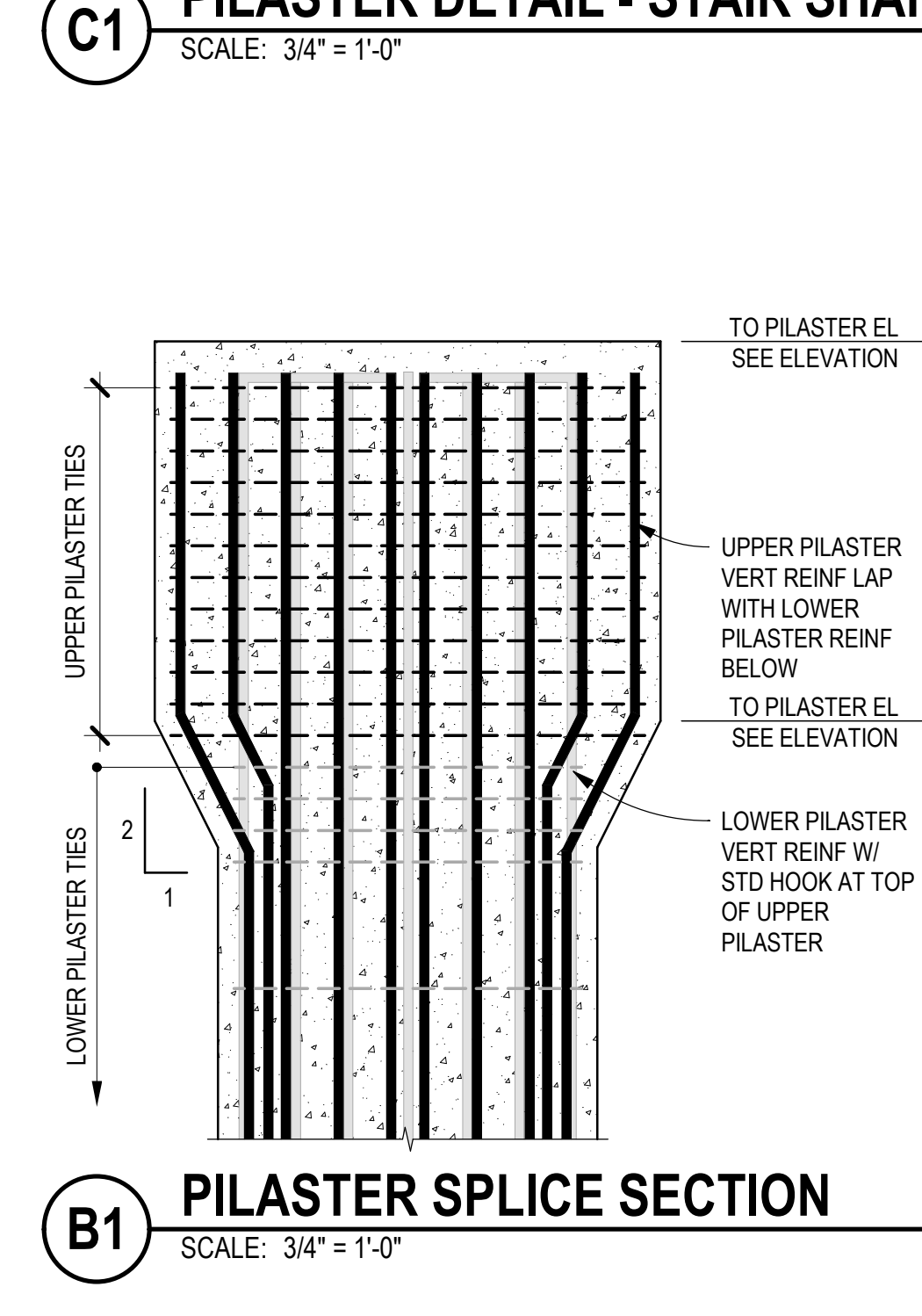
B4 PILASTER DETAIL - UPPER PILASTER
SCALE: 3/4" = 1'-0"



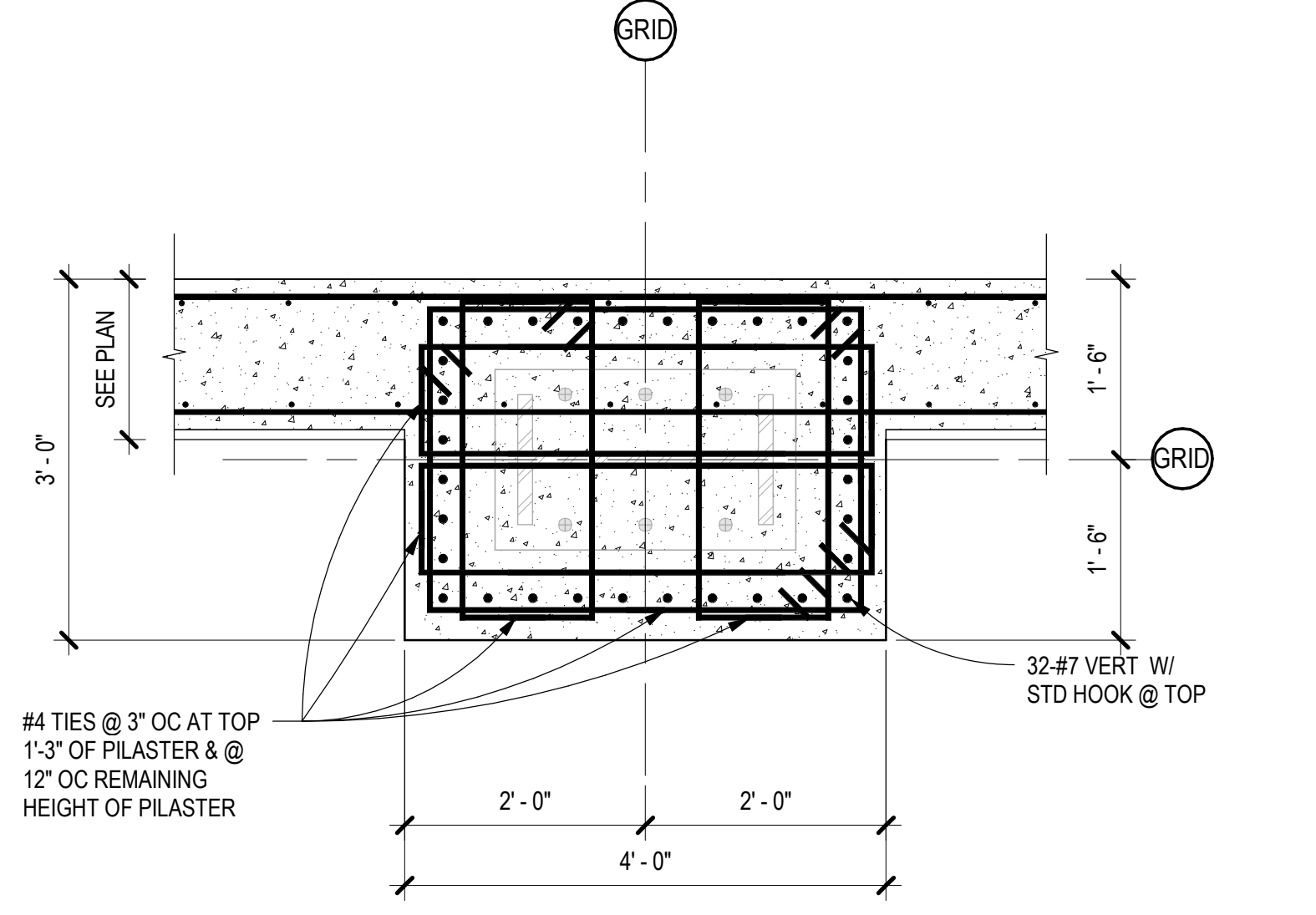
B3 PILASTER DETAIL - UPPER PILASTER
SCALE: 3/4" = 1'-0"



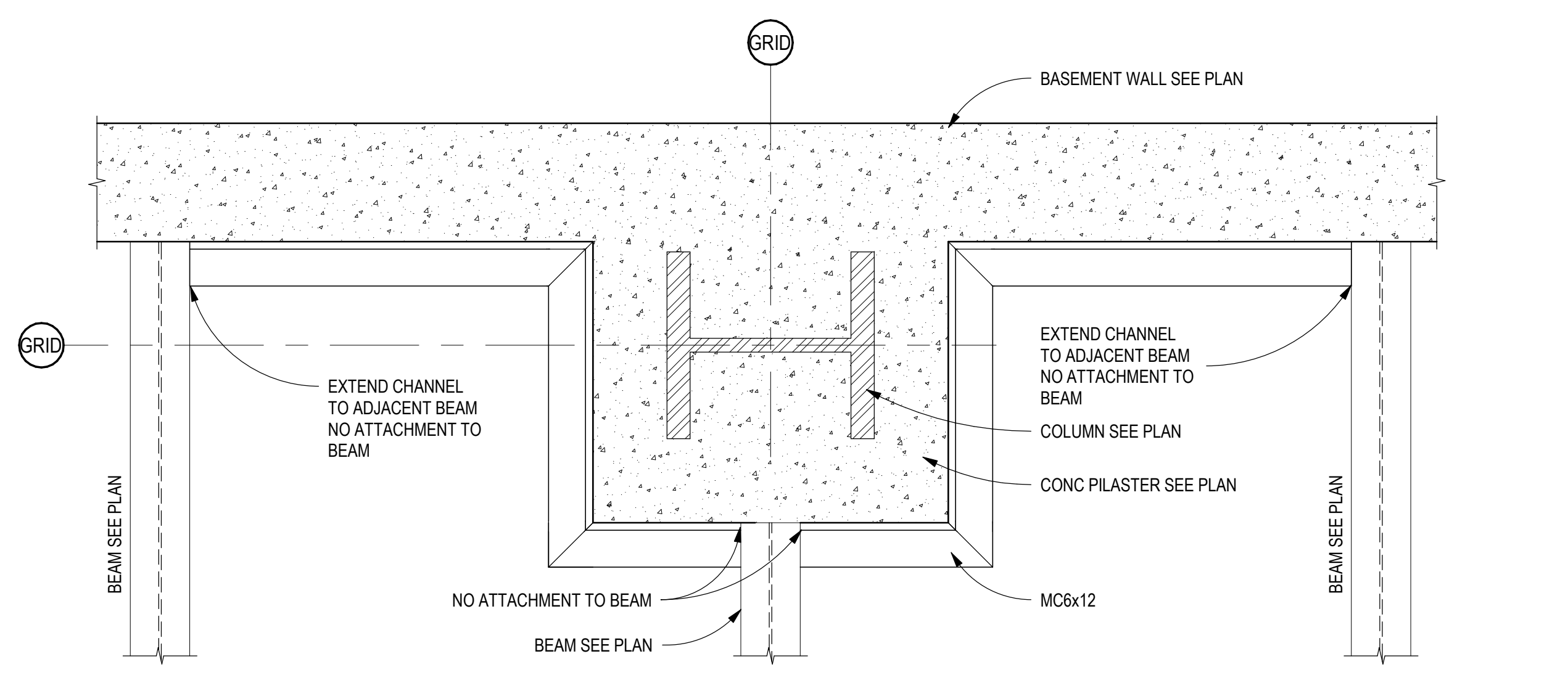
B2 PILASTER DETAIL - LOWER PILASTER
SCALE: 3/4" = 1'-0"



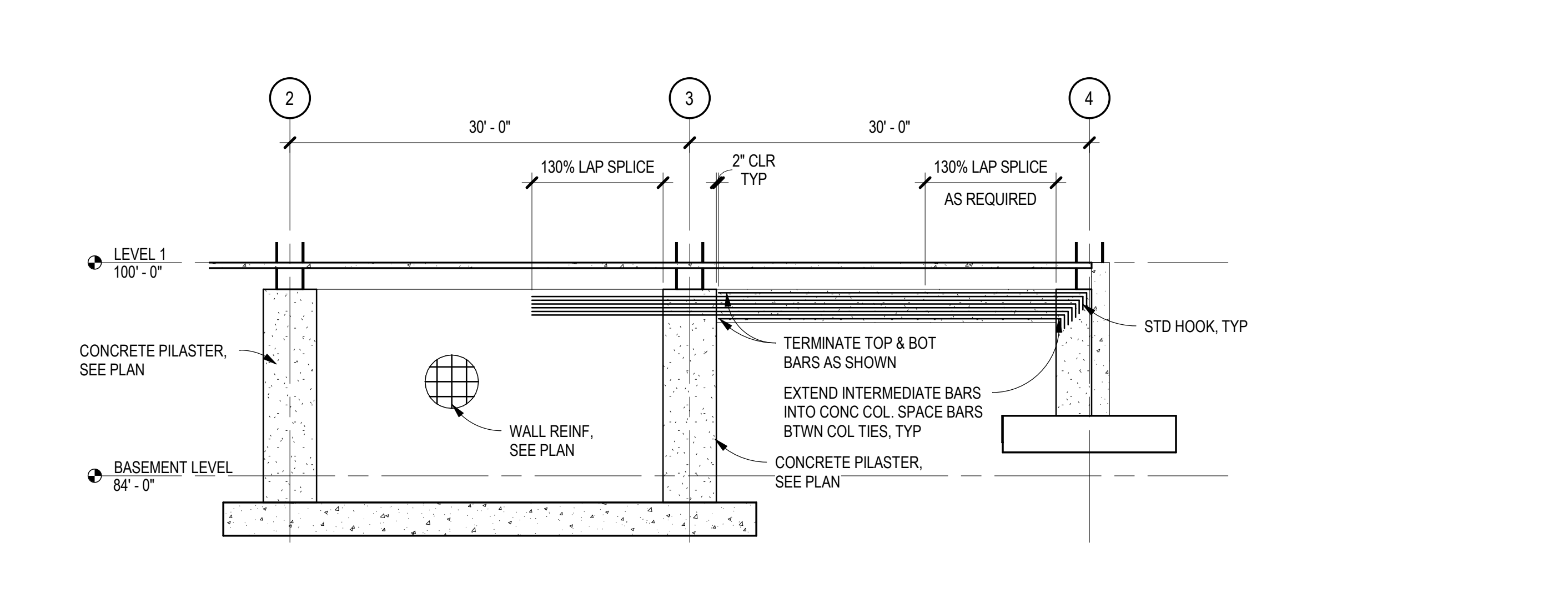
B1 PILASTER SPLICE SECTION
SCALE: 3/4" = 1'-0"



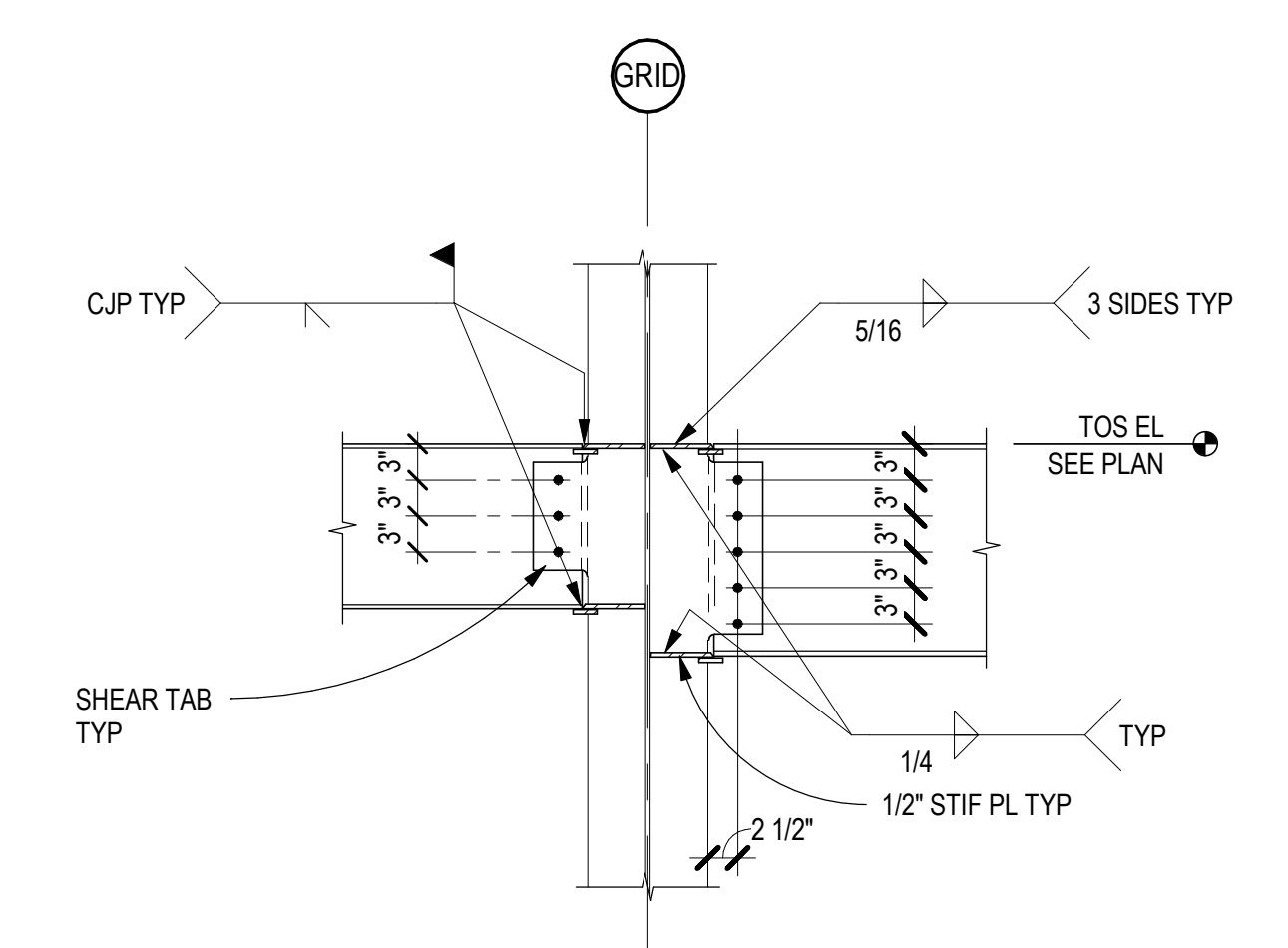
A5 PILASTER DETAIL
SCALE: 3/4" = 1'-0"



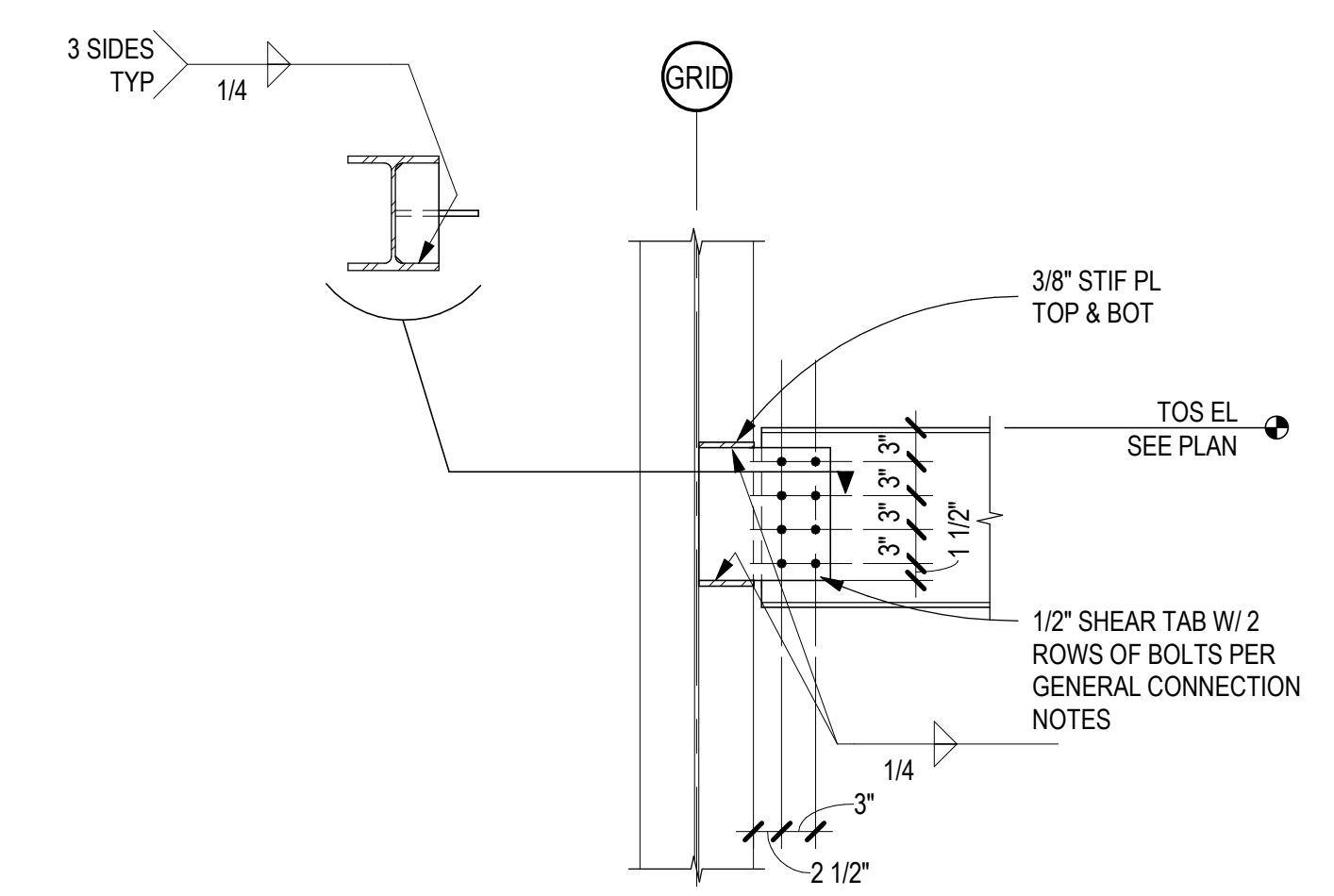
A3 TYPICAL PERIMETER CHANNEL AT BASEMENT LID PLAN
SCALE: 3/4" = 1'-0"



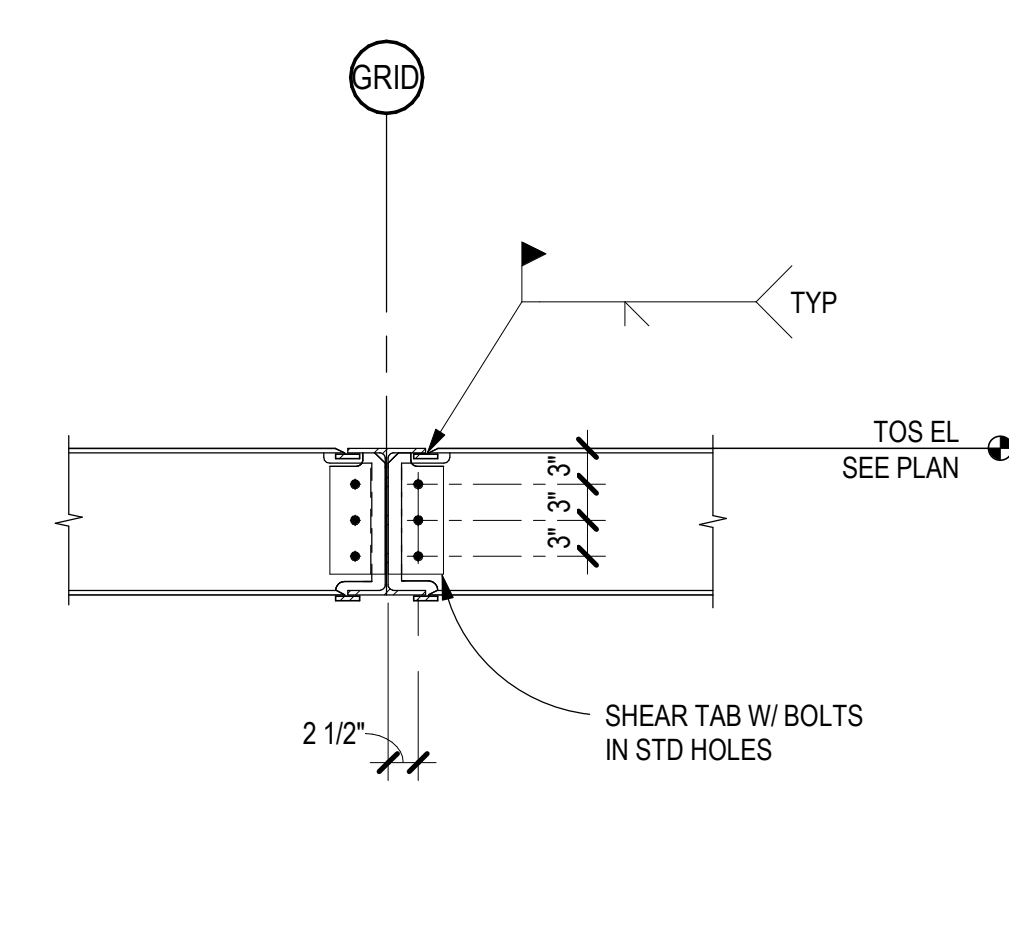
A1 SHEAR WALL ELEVATION DETAIL
SCALE: 1/8" = 1'-0"



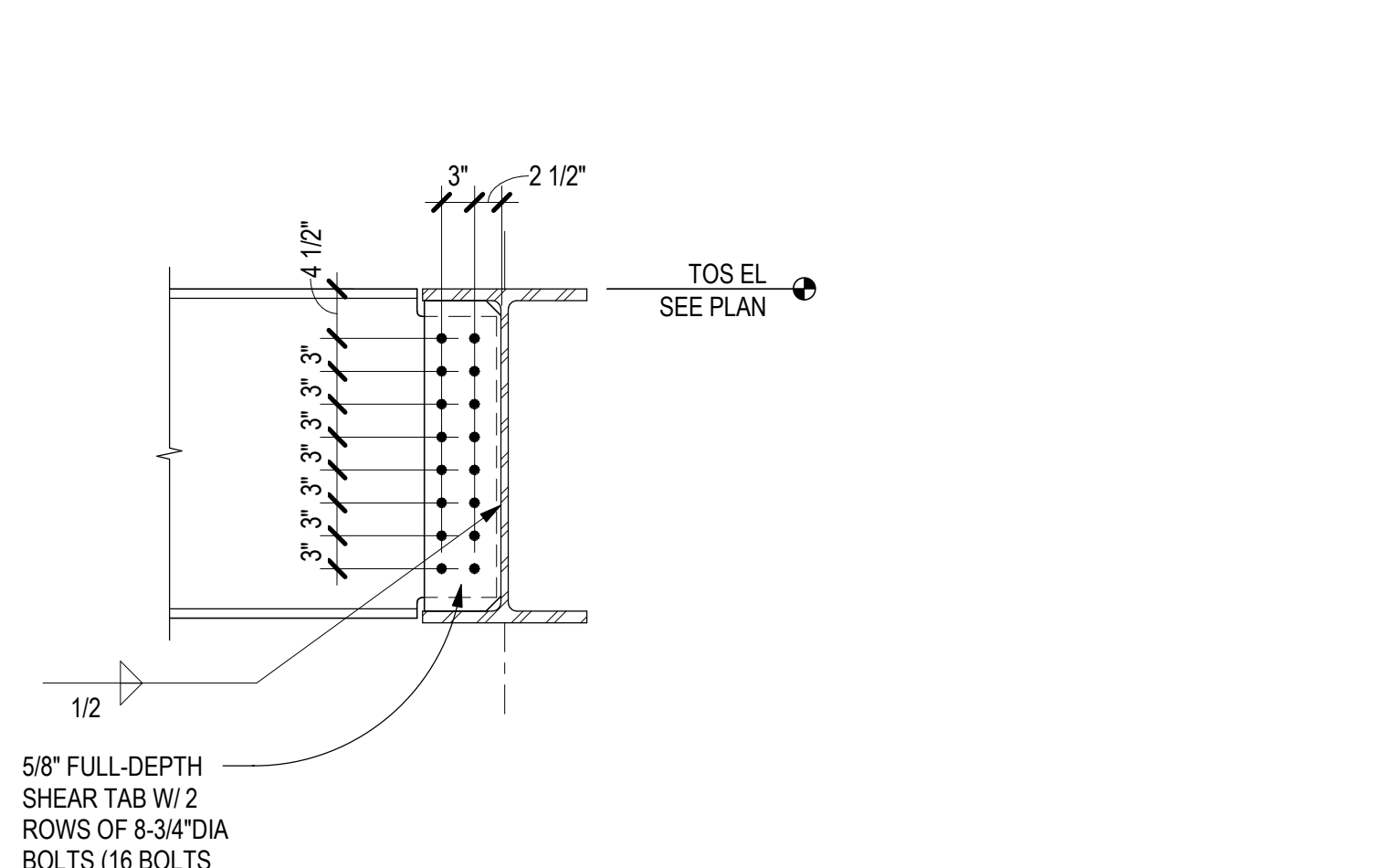
D5 BEAM TO COLUMN WEB CONN
SCALE: 3/4" = 1'-0"



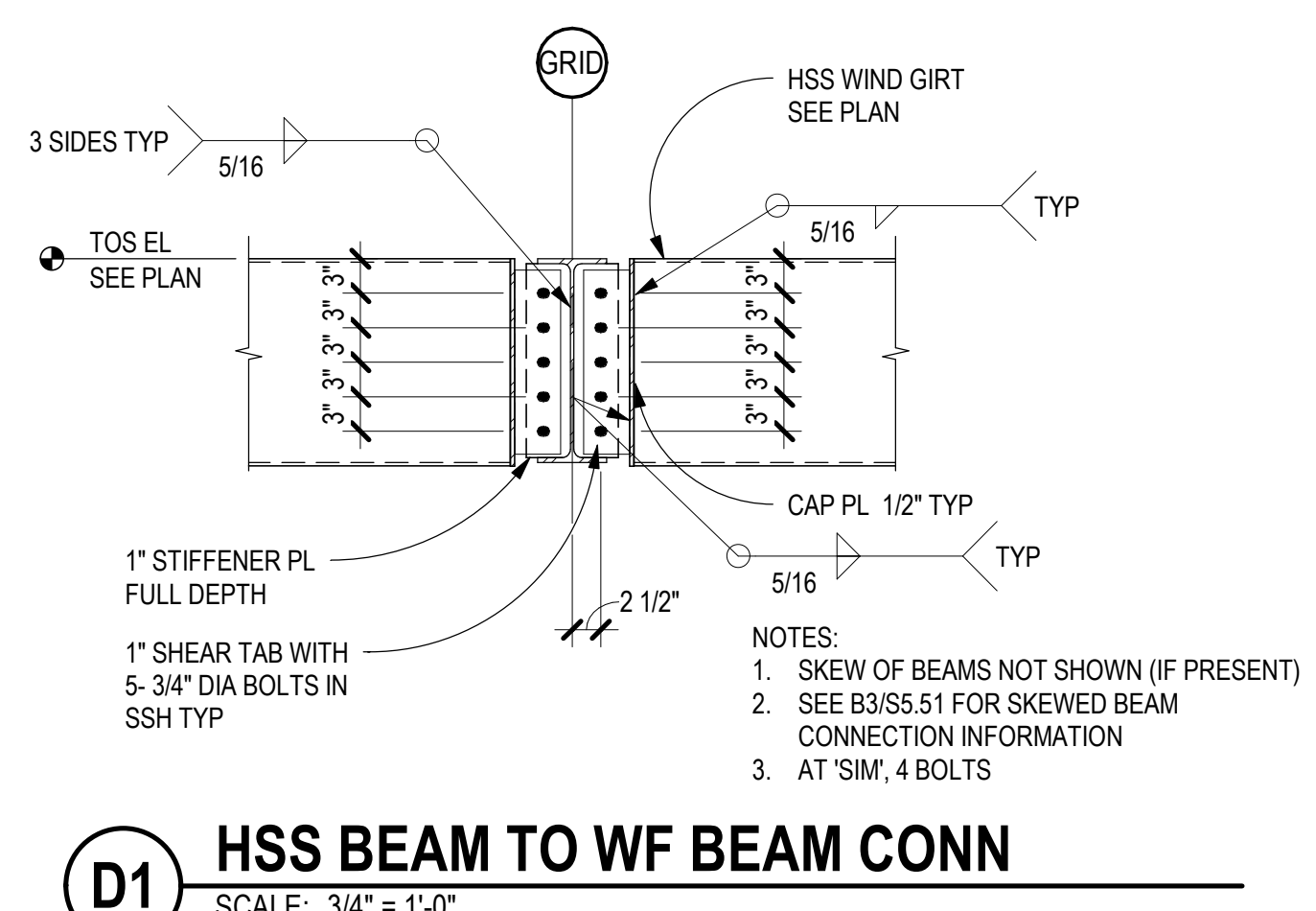
D4 BM TO COL WEB TWO ROWS
SCALE: 3/4" = 1'-0"



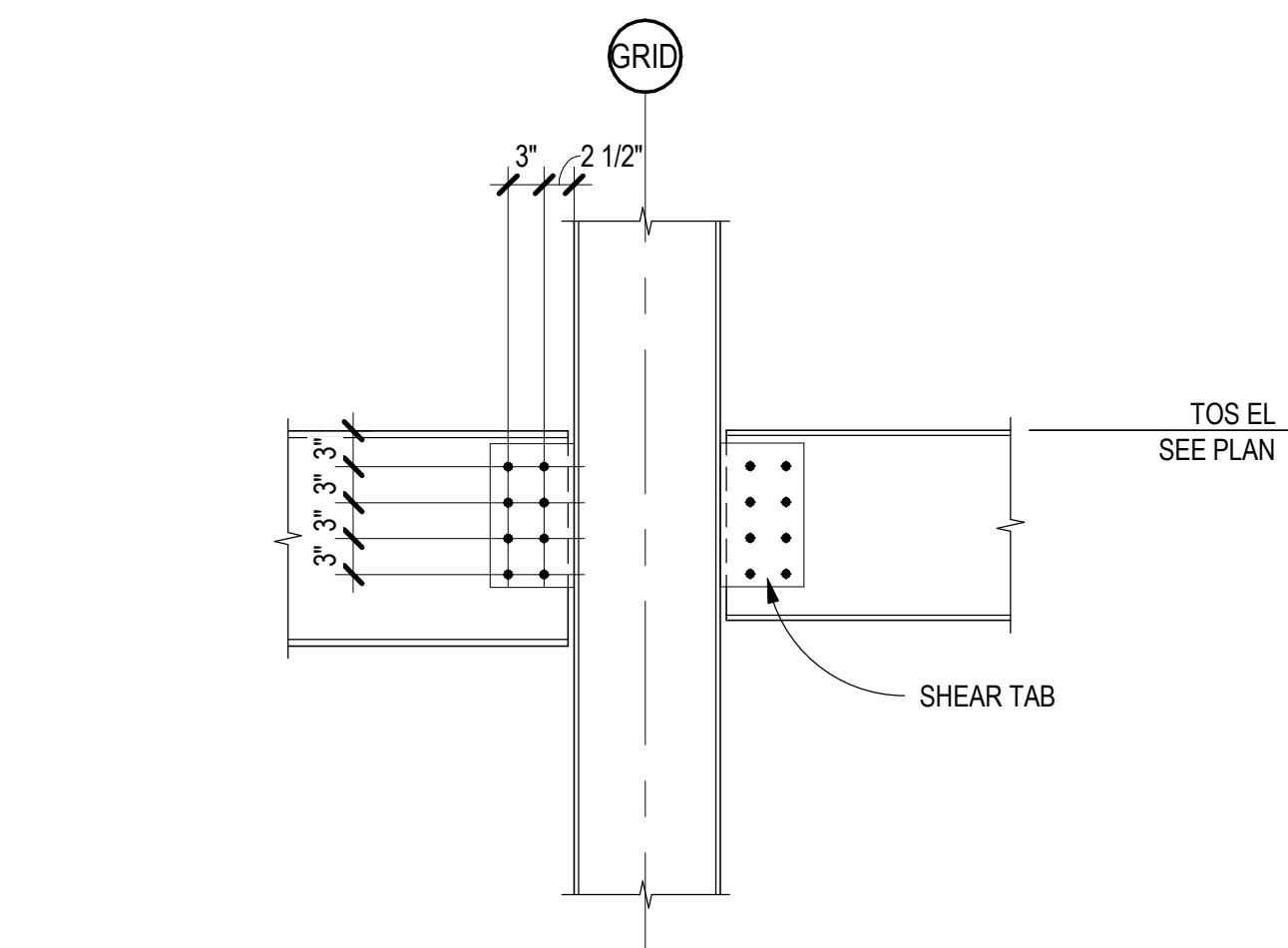
D3 BEAM TO BEAM MOMENT CONN
SCALE: 3/4" = 1'-0"



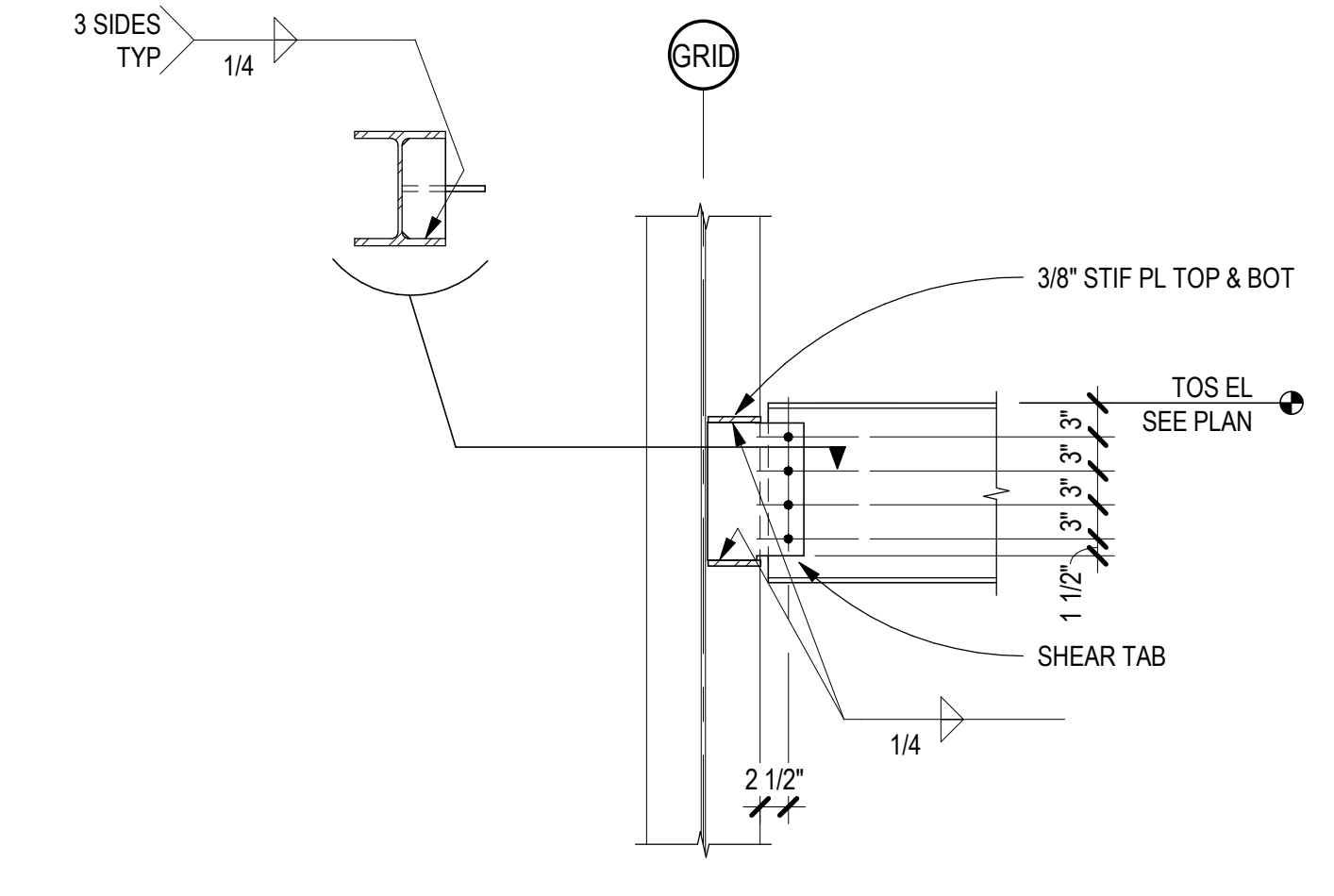
D2 BEAM TO EXTENDED SHEAR TAB
SCALE: 3/4" = 1'-0"



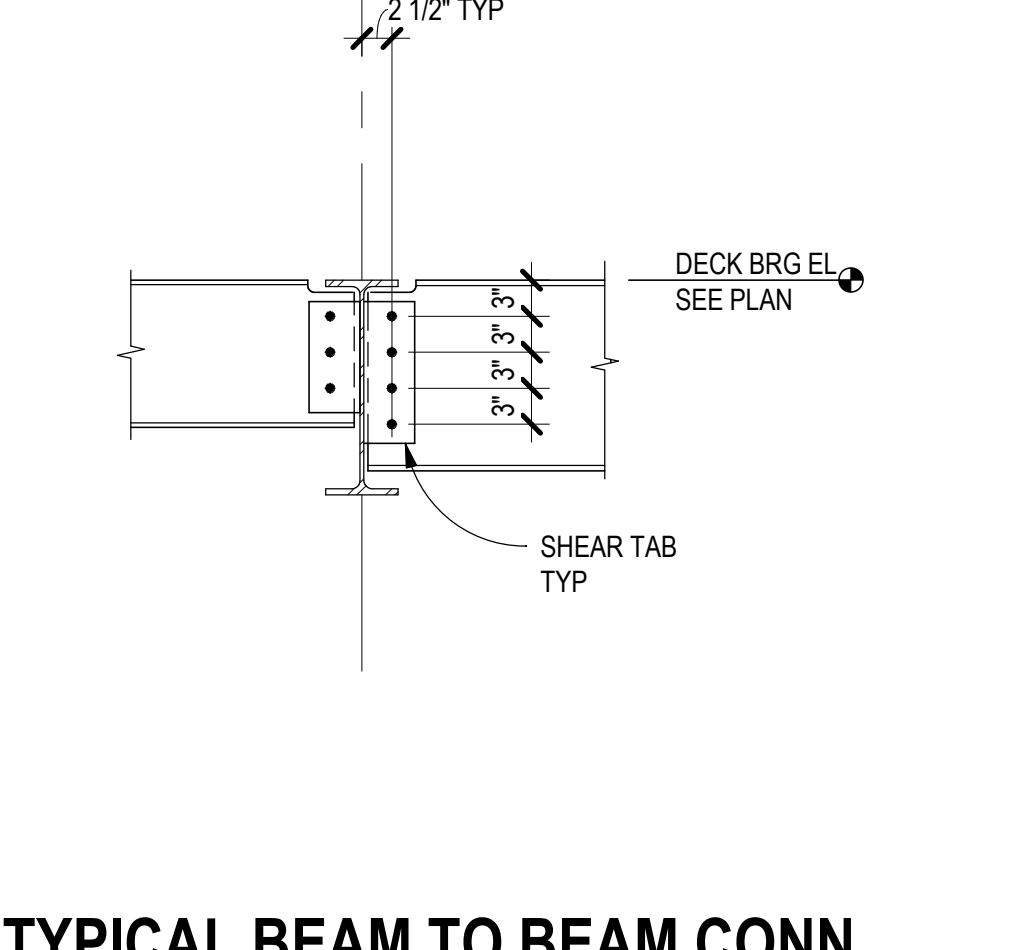
D1 HSS BEAM TO WF BEAM CONN
SCALE: 3/4" = 1'-0"



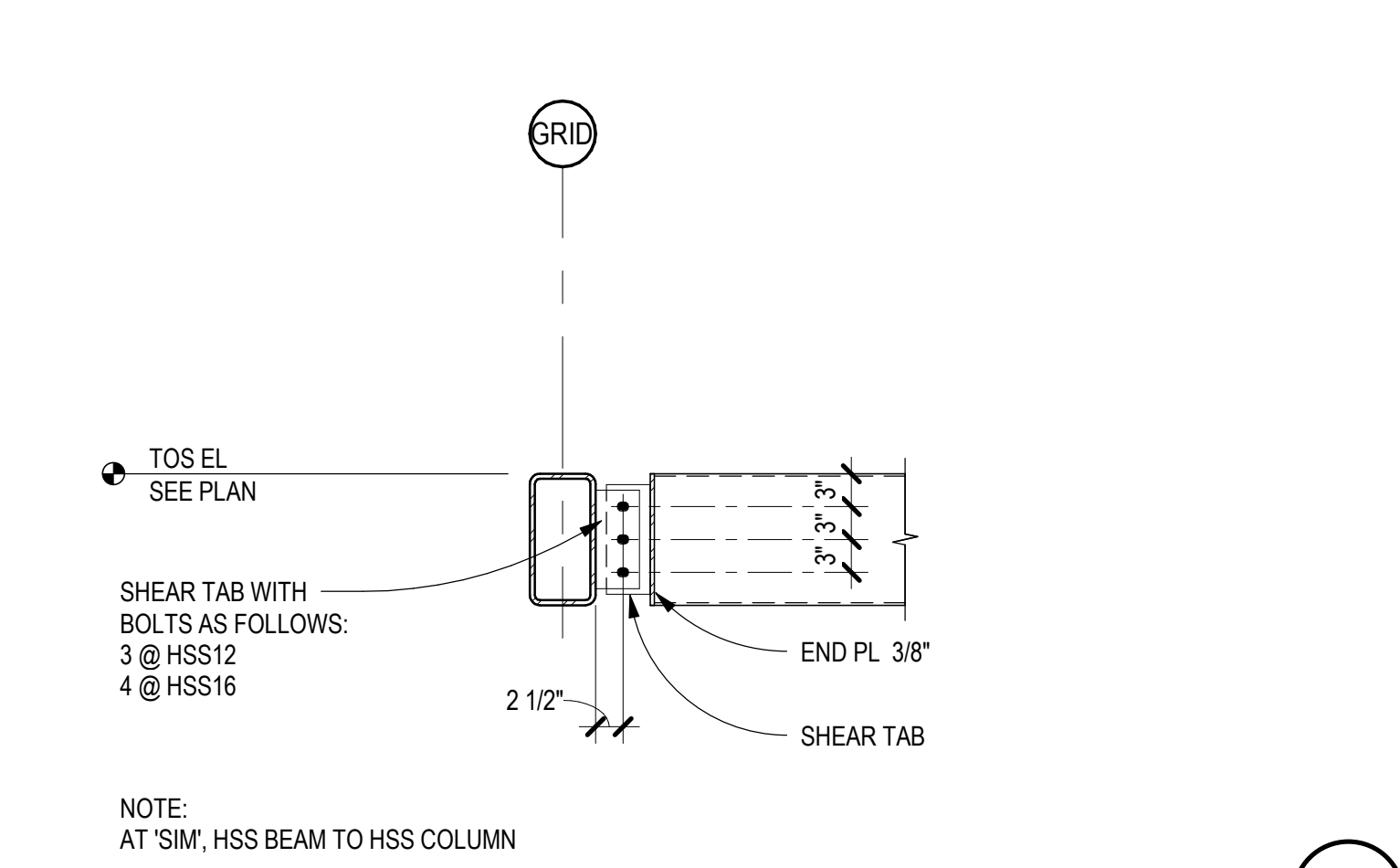
C5 BEAM TO COLUMN FLANGE CONN
SCALE: 3/4" = 1'-0"



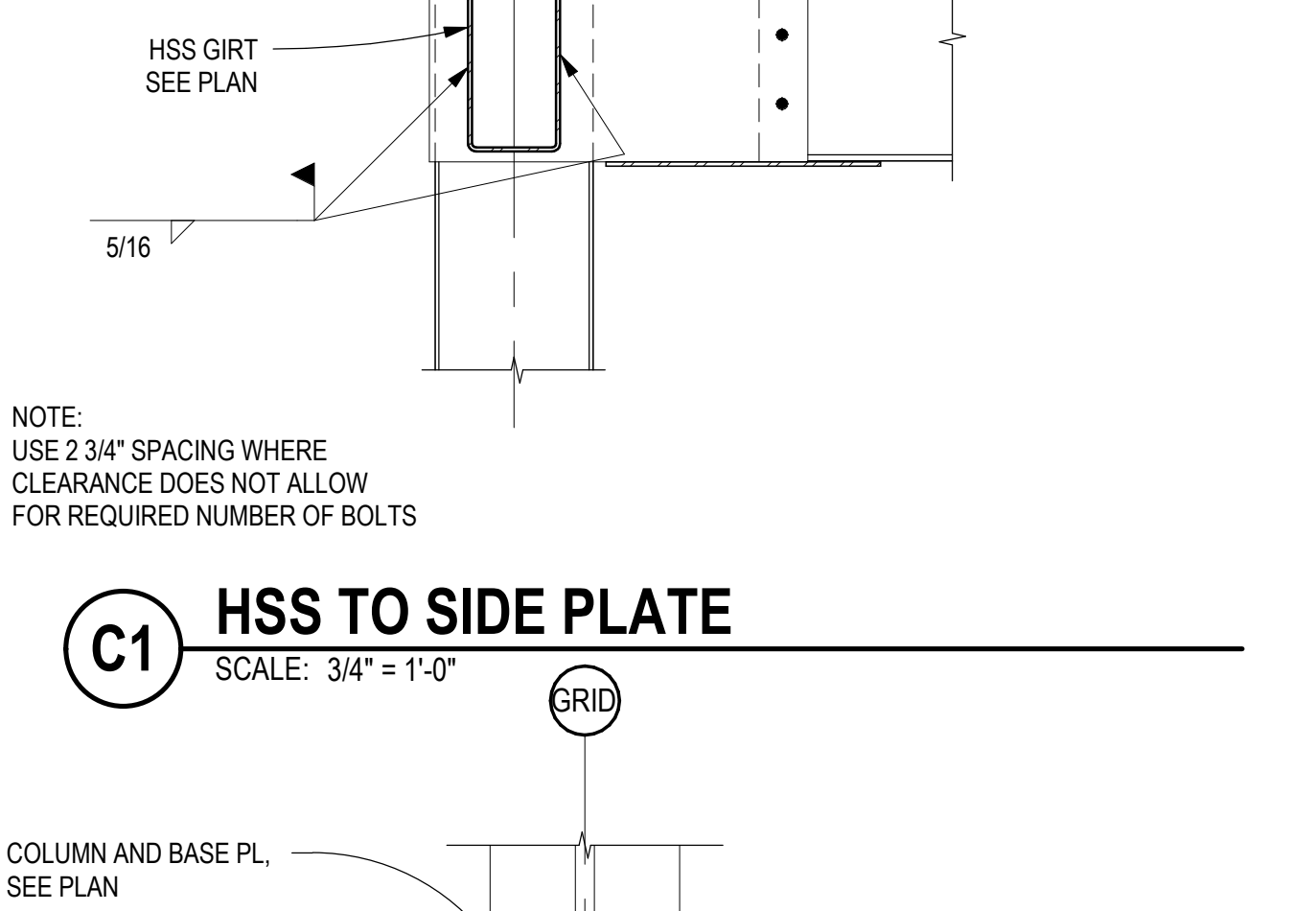
C4 BEAM TO COLUMN WEB CONN
SCALE: 3/4" = 1'-0"



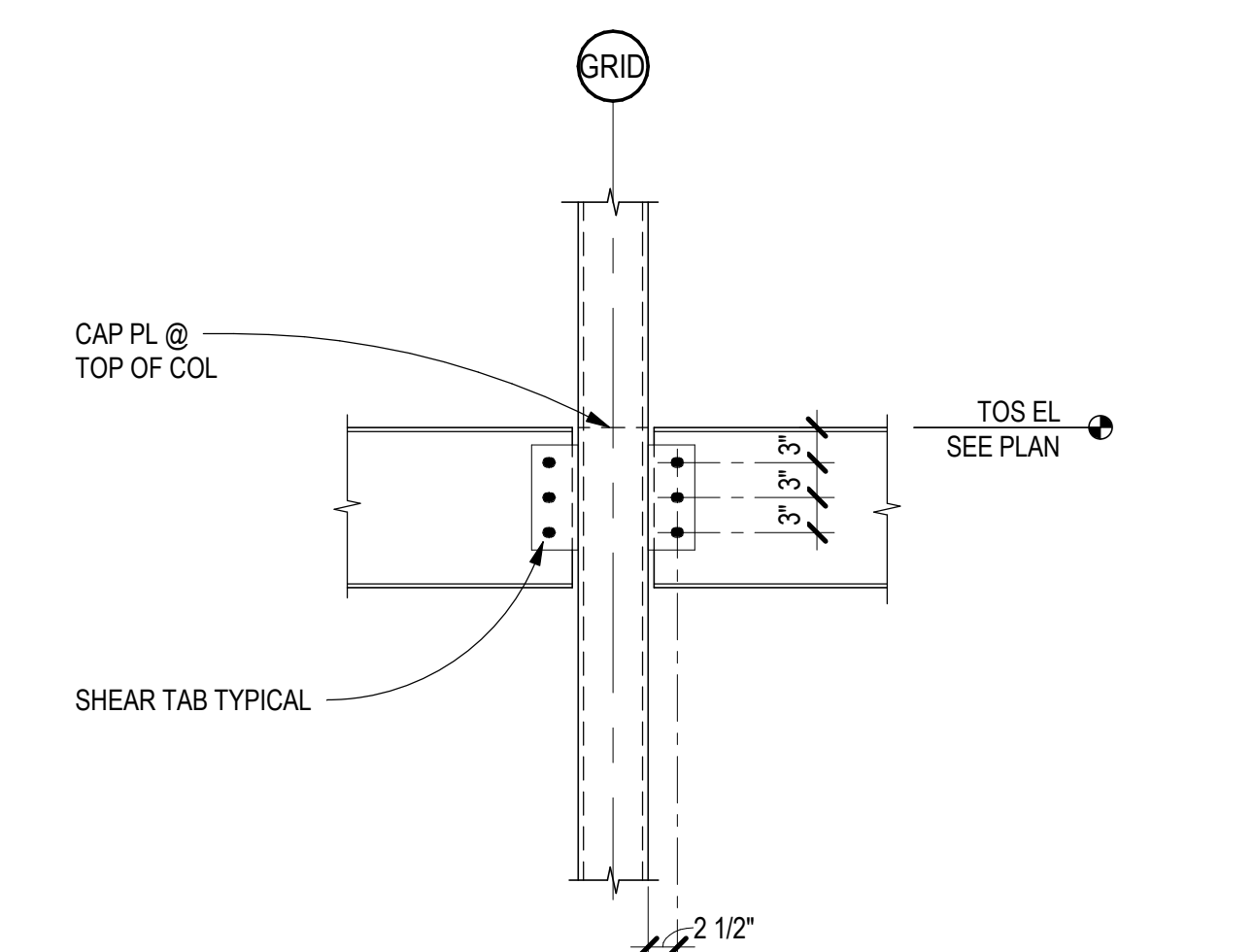
C3 TYPICAL BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



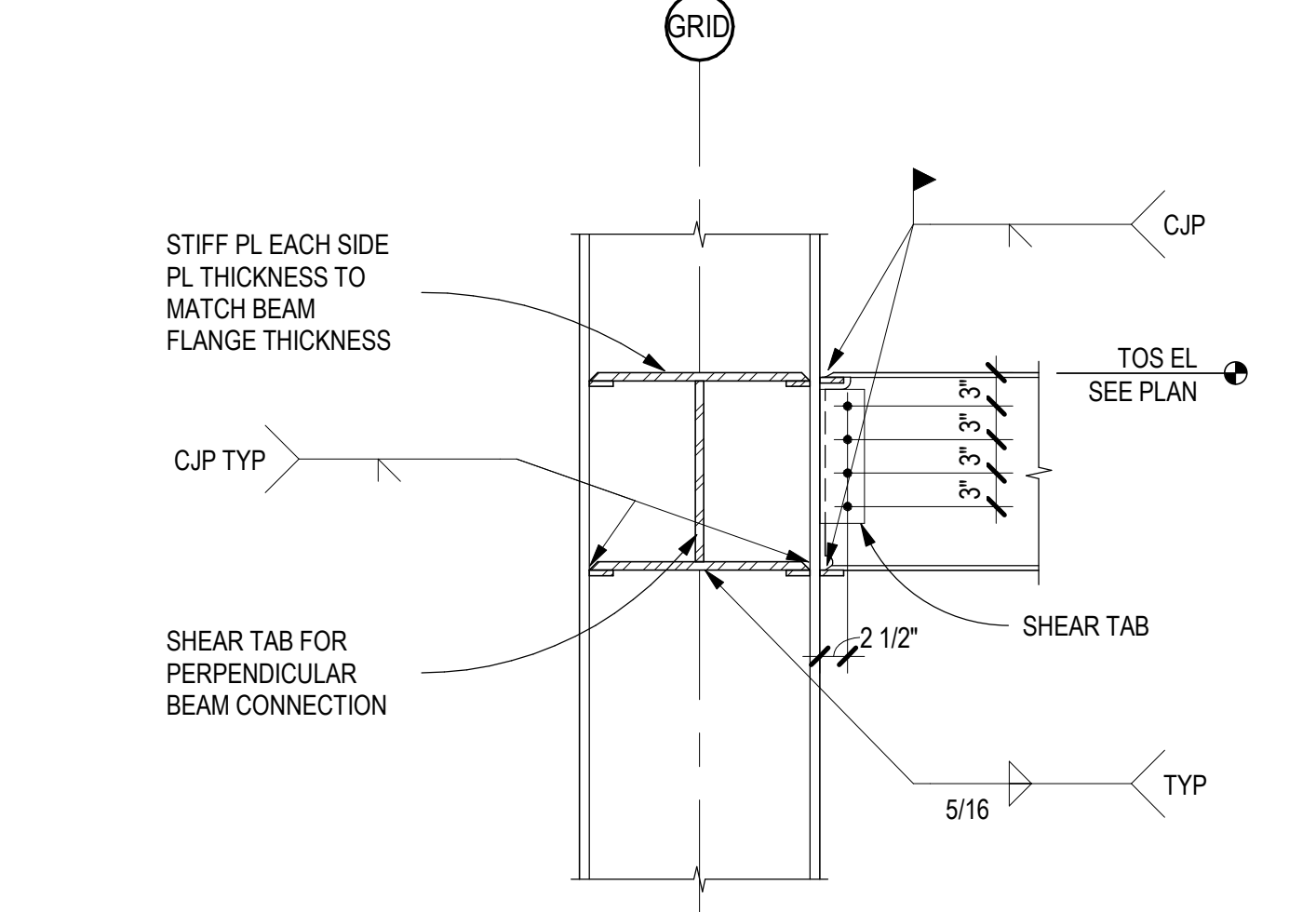
C2 BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



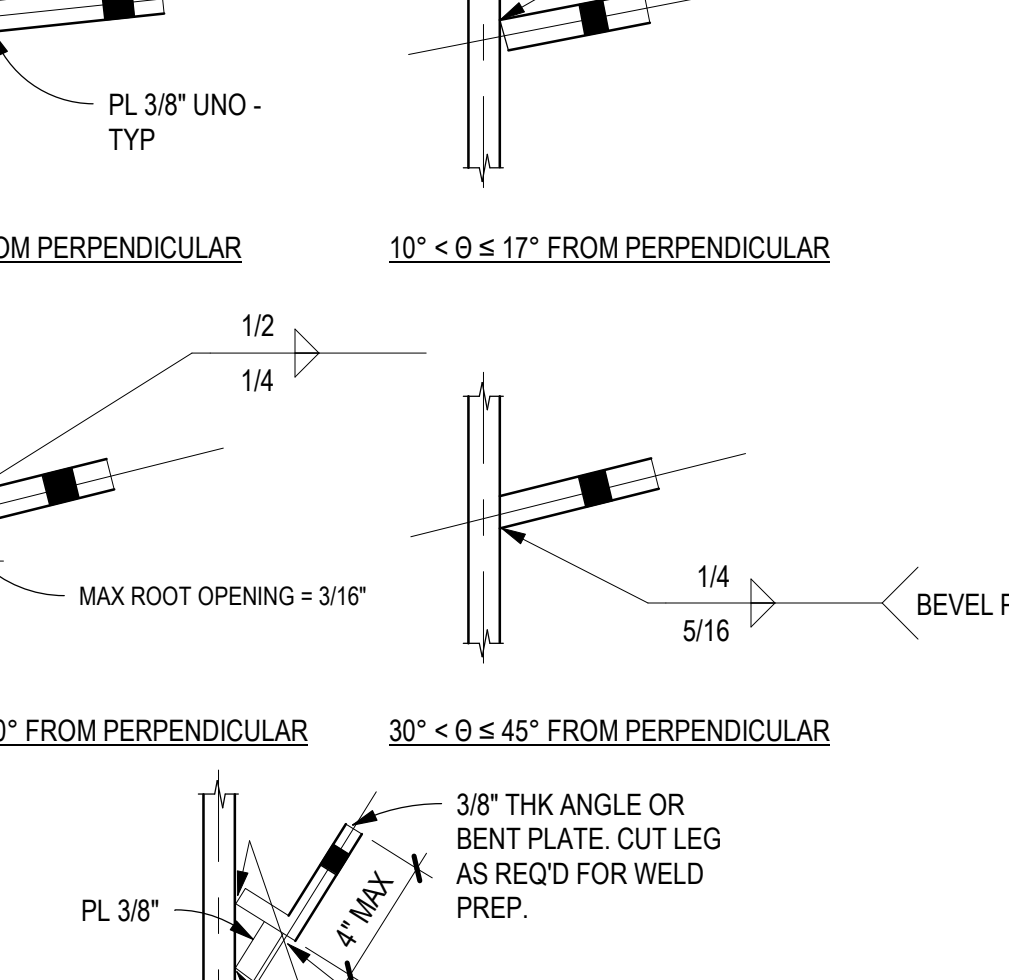
C1 HSS TO SIDE PLATE
SCALE: 3/4" = 1'-0"



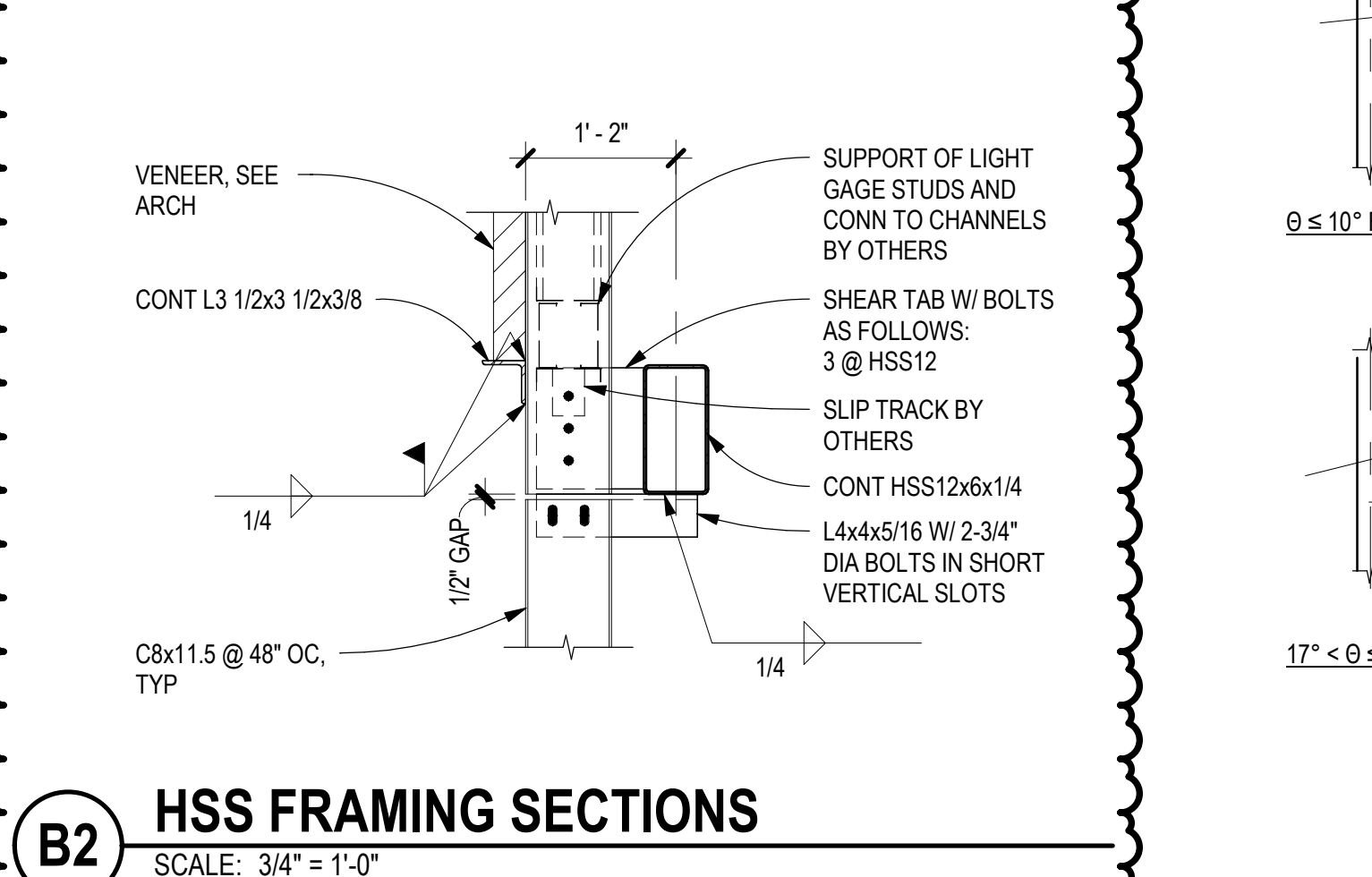
B5 BEAM TO COLUMN CONN
SCALE: 3/4" = 1'-0"



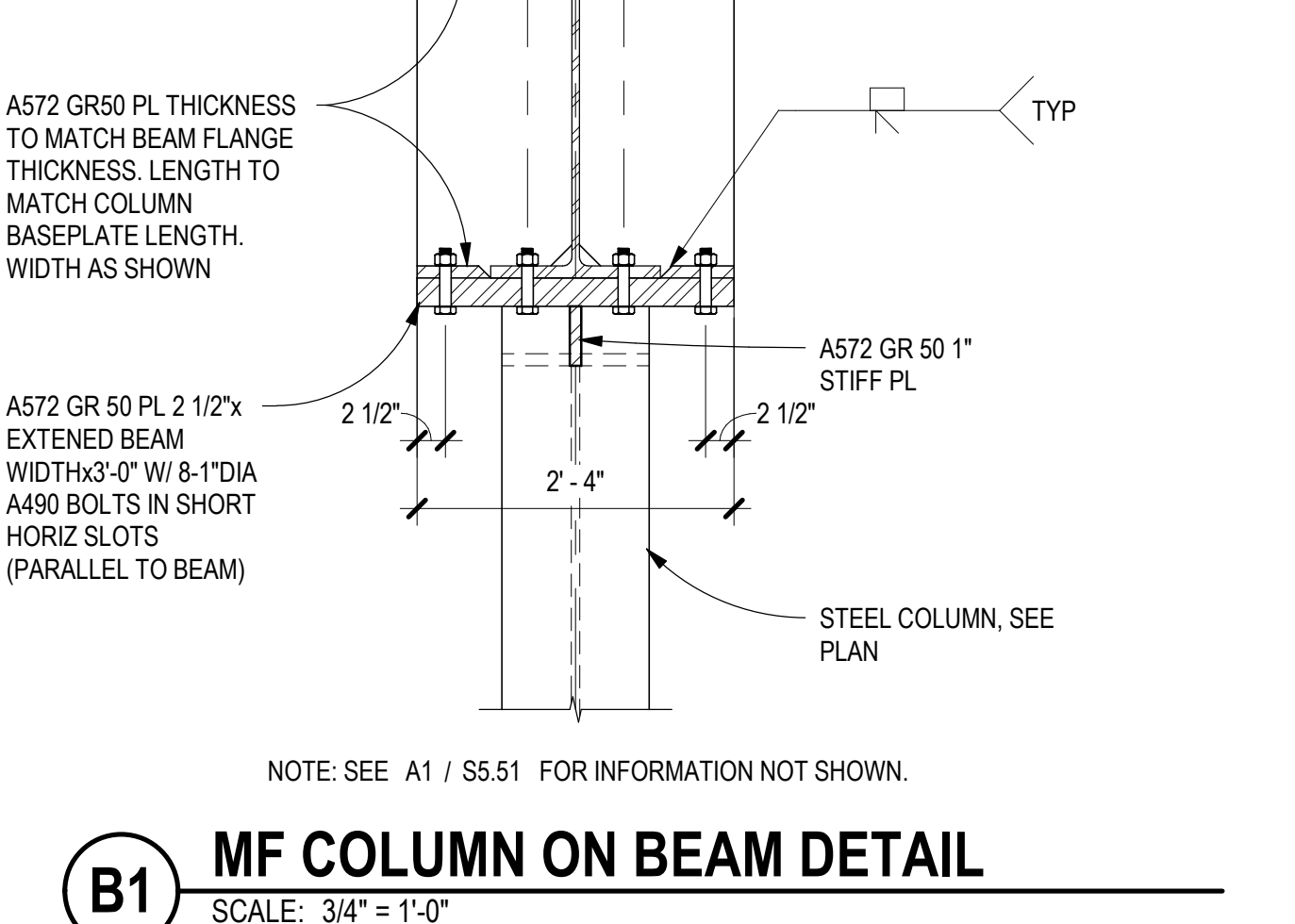
B4 BEAM TO COL FLANGE MOMENT CONN
SCALE: 3/4" = 1'-0"



B3 SKEWED BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



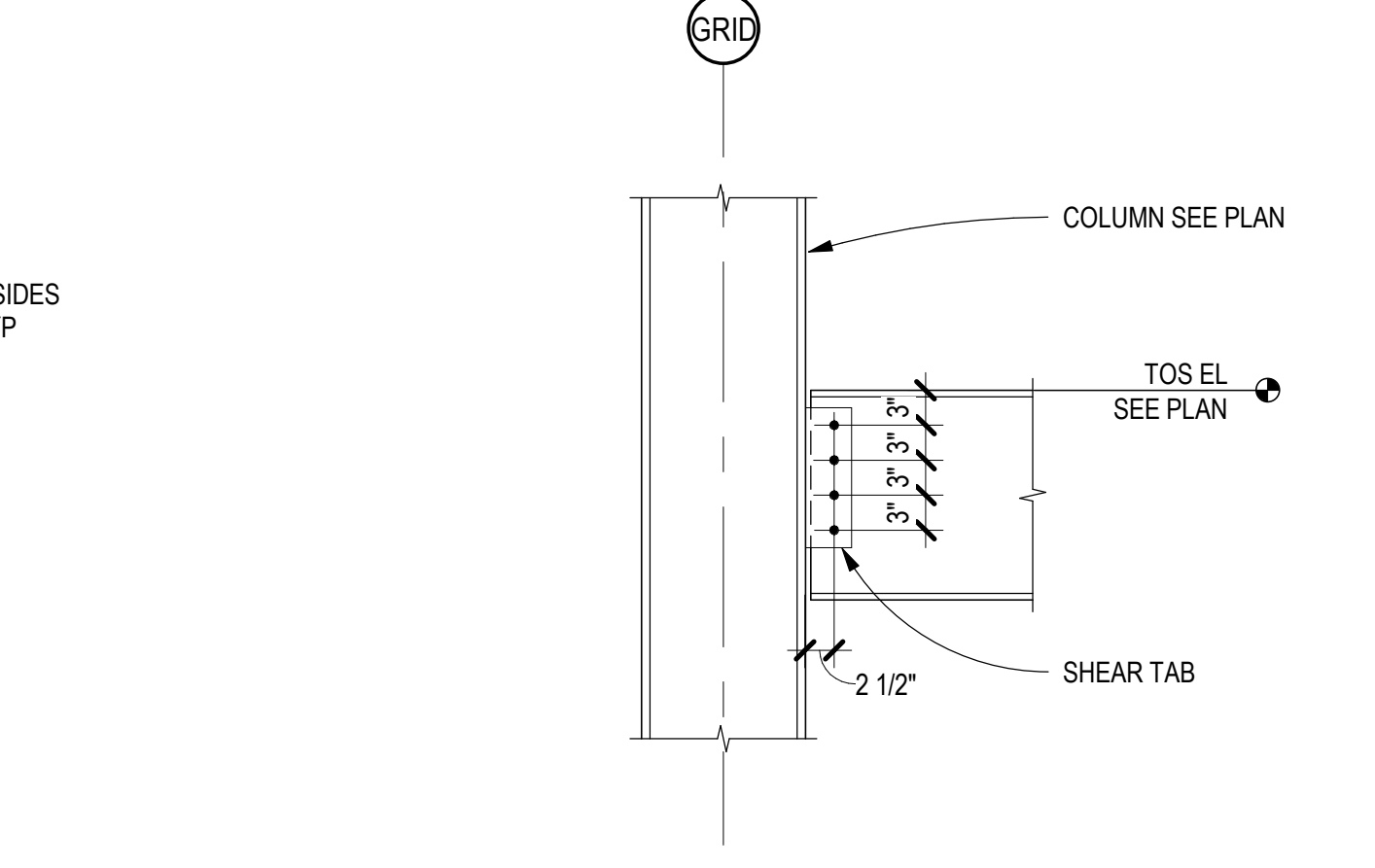
B2 HSS FRAMING SECTIONS
SCALE: 3/4" = 1'-0"



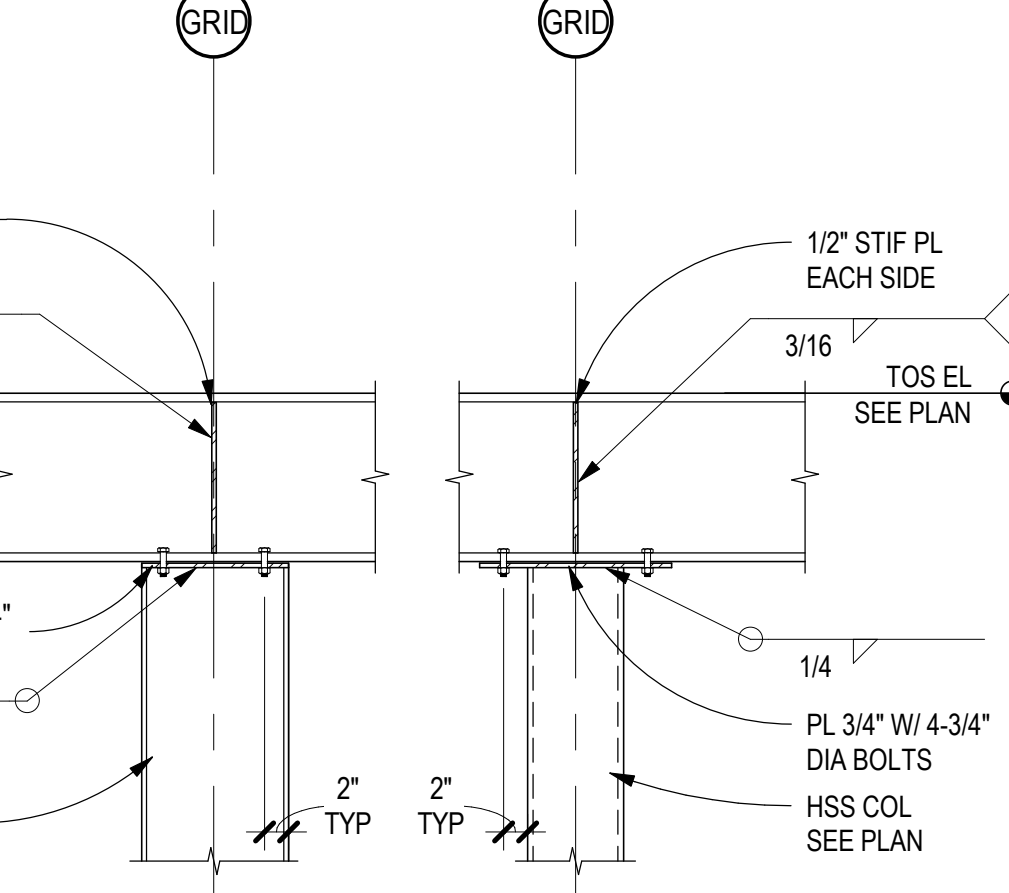
B1 MF COLUMN ON BEAM DETAIL
SCALE: 3/4" = 1'-0"

- PROVIDE 1/4" CAP PLATE AT THE TOP OF ALL HOLLOW STRUCTURAL STEEL (HSS) COLUMNS UNLESS NOTED OTHERWISE.
- PROVIDE 1/4" CAP PLATE AT THE TOP OF ALL PIPE COLUMNS UNLESS NOTED OTHERWISE.
- PROVIDE 1/2" CAP PLATE AT THE TOP OF ALL WIDE FLANGE COLUMNS UNLESS NOTED OTHERWISE.
- PROVIDE 1/4" END PLATE AT ALL EXPOSED HSS MEMBERS UNLESS NOTED OTHERWISE.
- ALL CONNECTION SHEAR TABS SHALL BE PL 3/8" UNLESS NOTED OTHERWISE. PROVIDE 5/16" FILLET WELD EACH SIDE OF SHEAR TAB TO SUPPORTING MEMBER.
- ALL BOLTS SHALL BE 3/4" DIAMETER A325N IN SHORT SLOTS AS FOLLOWS UNLESS NOTED OTHERWISE:
 2 @ W6, W10
 3 @ W12
 4 @ W14, W16
 5 @ W18, W21
 6 @ W24
 7 @ W27
 8 @ W30
 9 @ W33
 10 @ W36
 11 @ W40
 12 @ W44

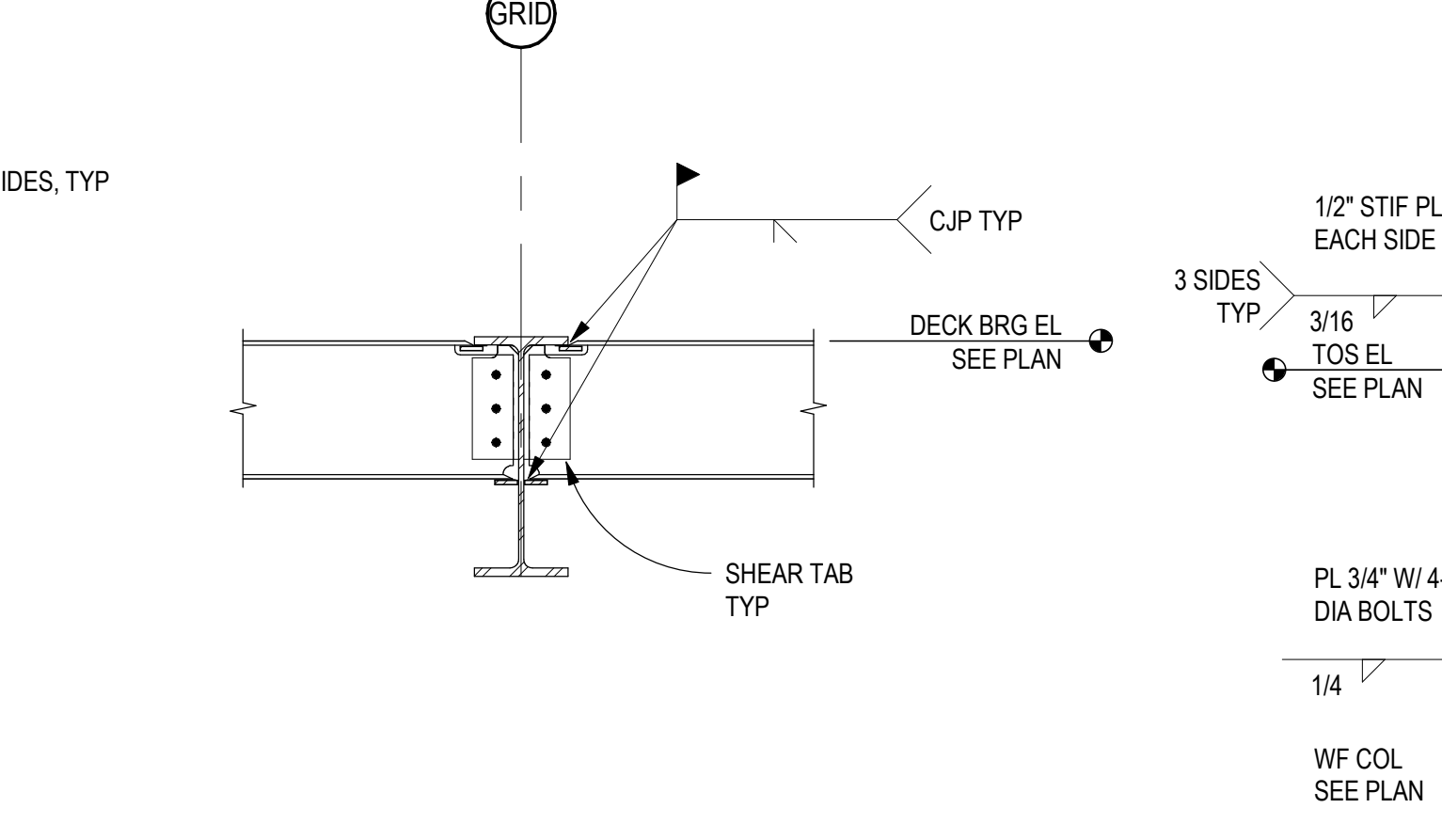
A5 TYPICAL STEEL CONN NOTES
SCALE: 3/4" = 1'-0"



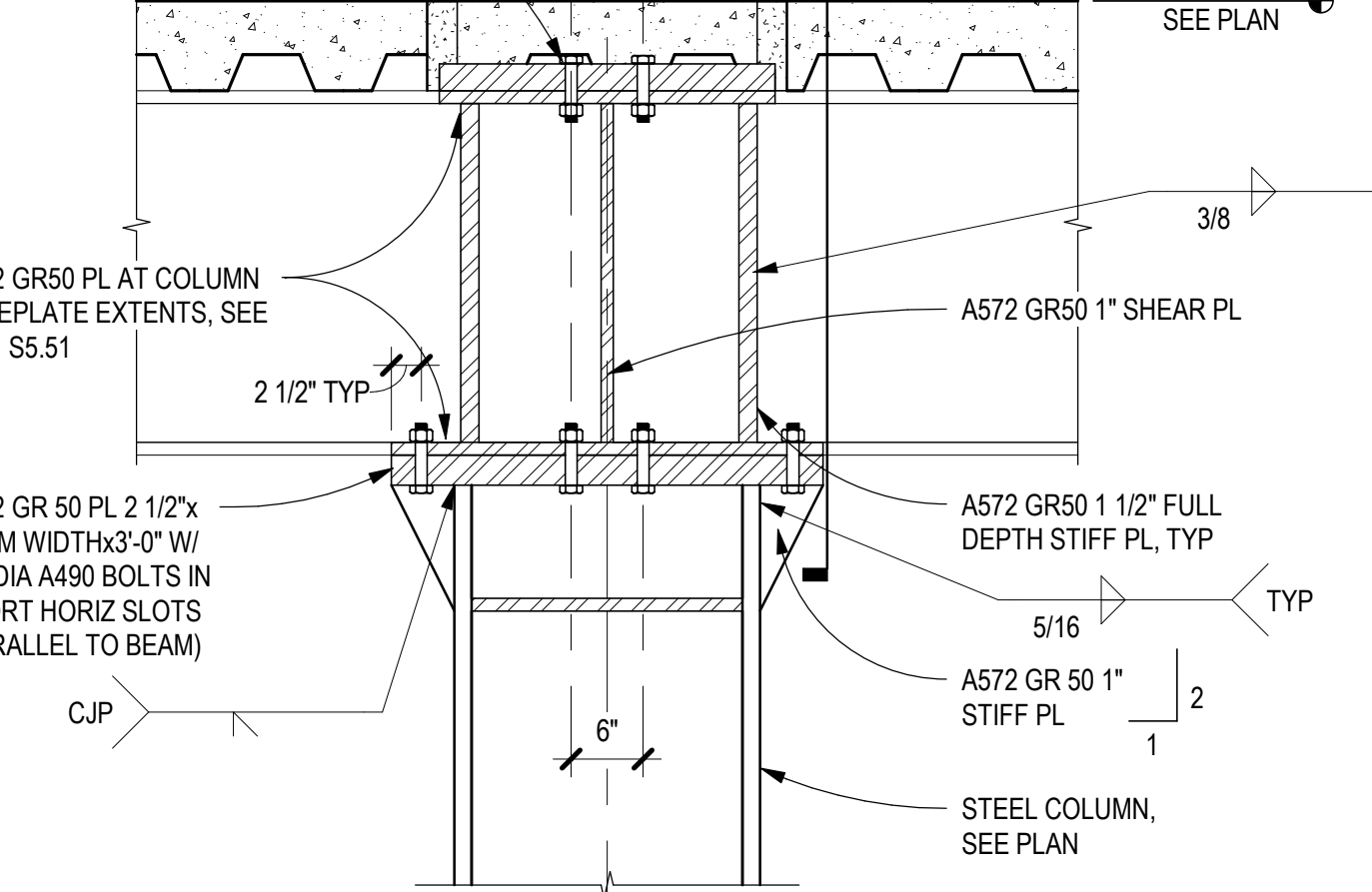
A4 BEAM TO COLUMN FLANGE CONN
SCALE: 3/4" = 1'-0"



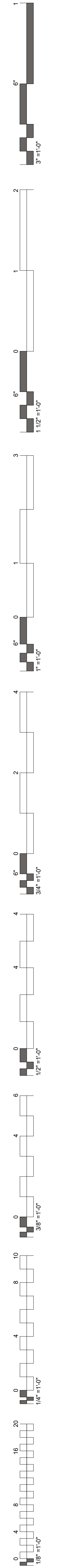
A3 BEAM OVER COLUMN CONN
SCALE: 3/4" = 1'-0"

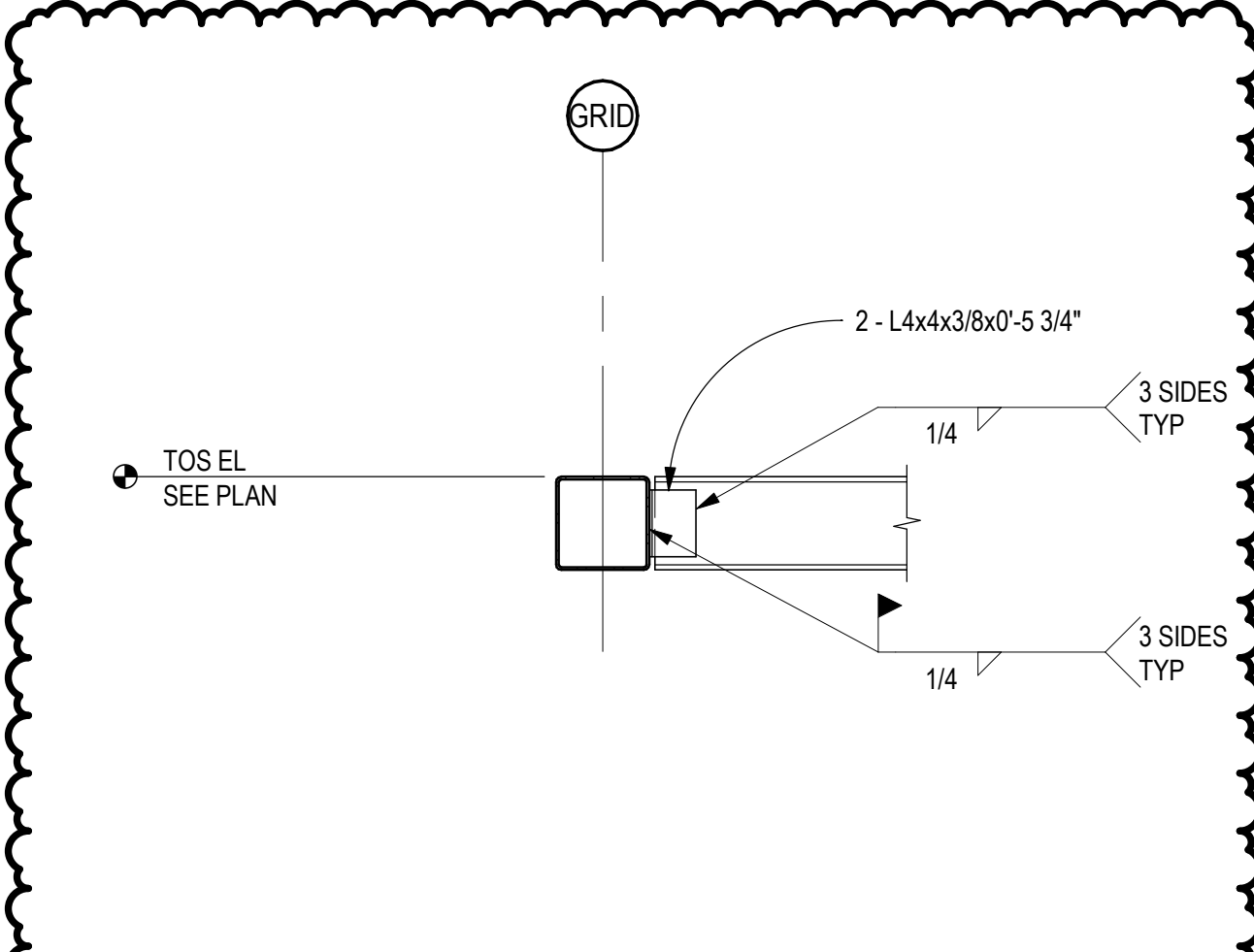
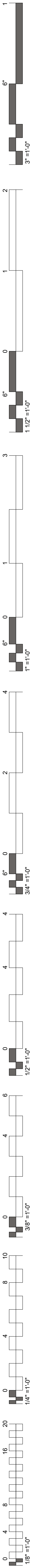


A2 BEAM TO BEAM MOMENT CONN
SCALE: 3/4" = 1'-0"

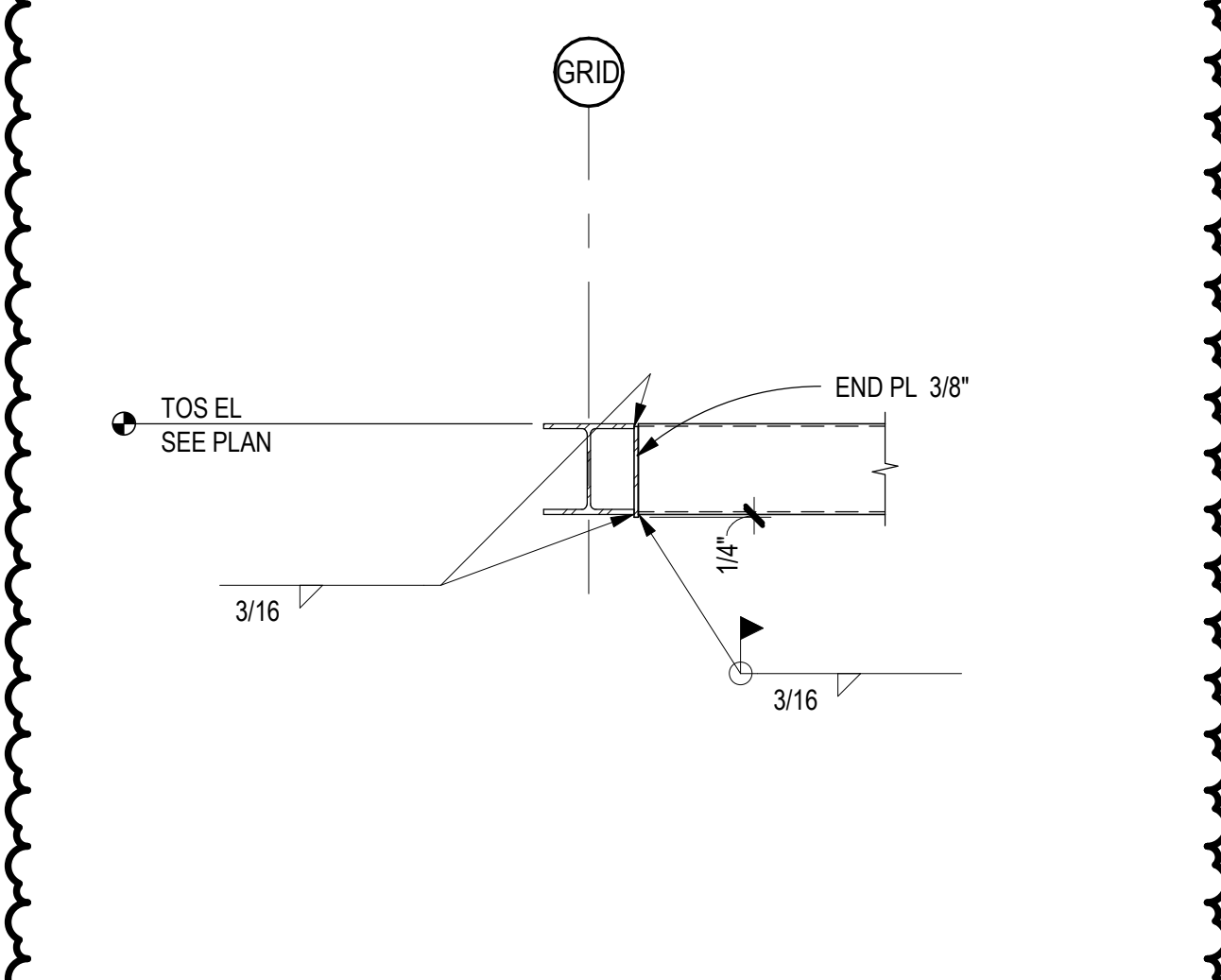


A1 MF COLUMN ON BEAM DETAIL - MID
SCALE: 3/4" = 1'-0"

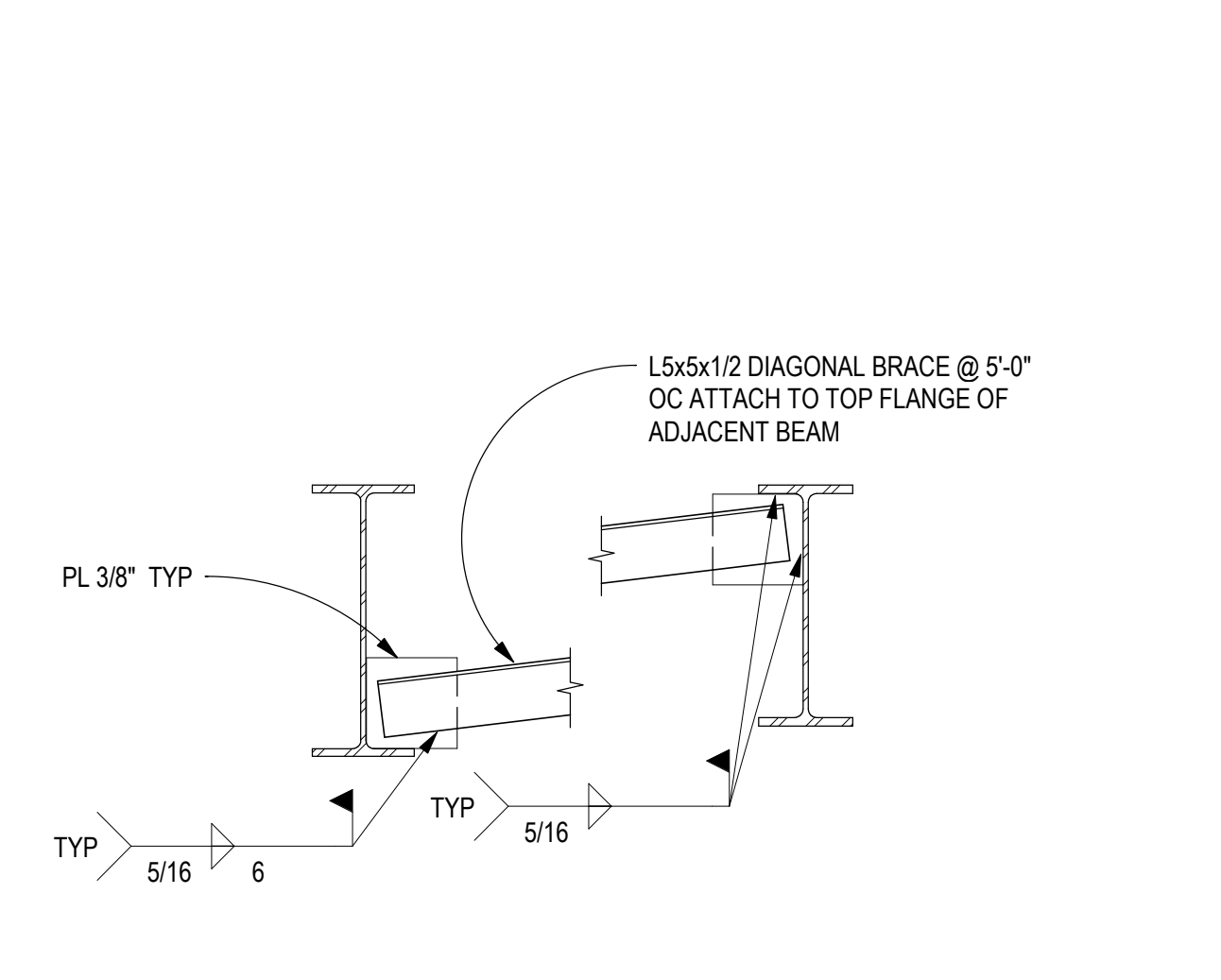




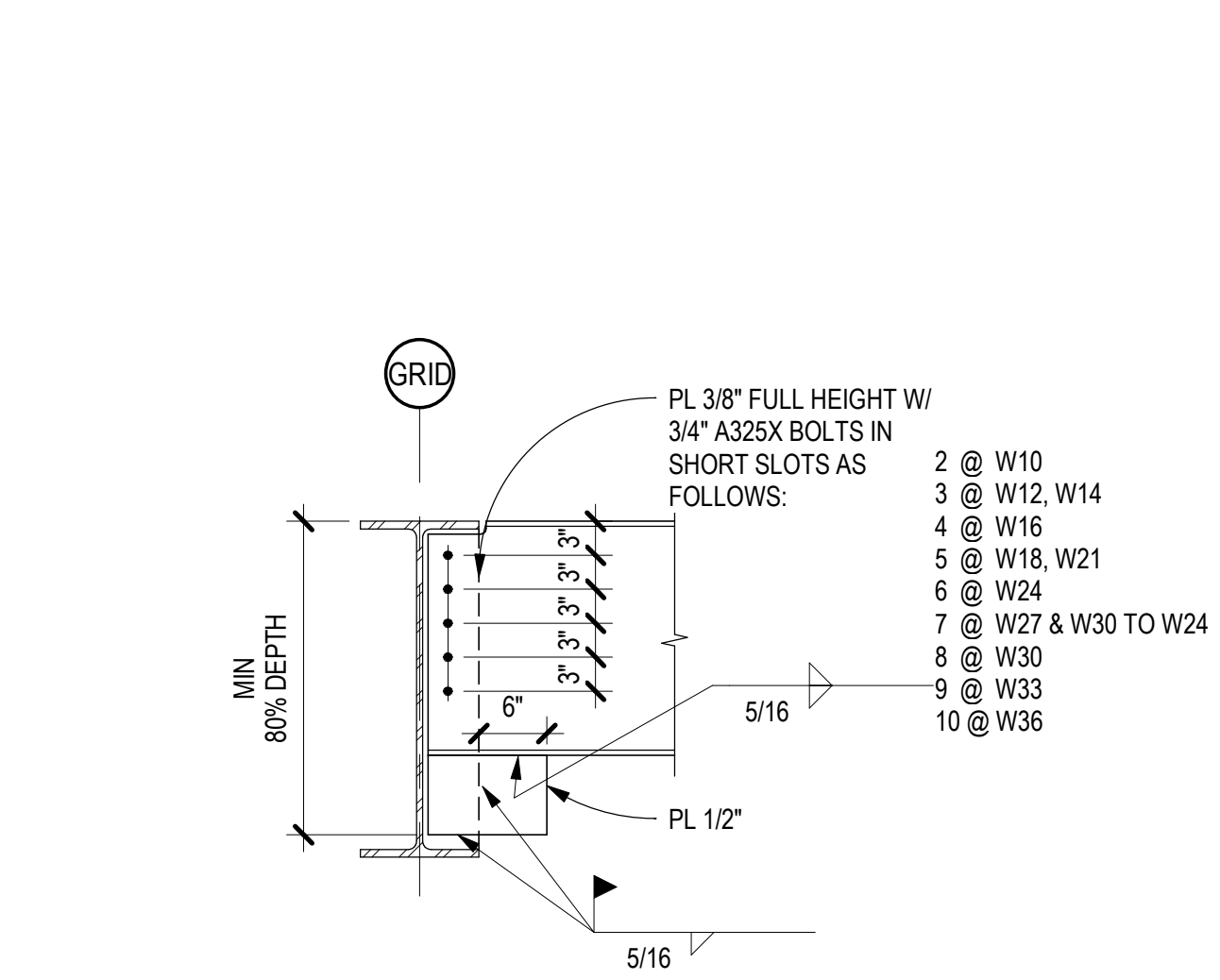
D1 WF BEAM TO HSS BEAM CONN
SCALE: 3/4" = 1'-0"



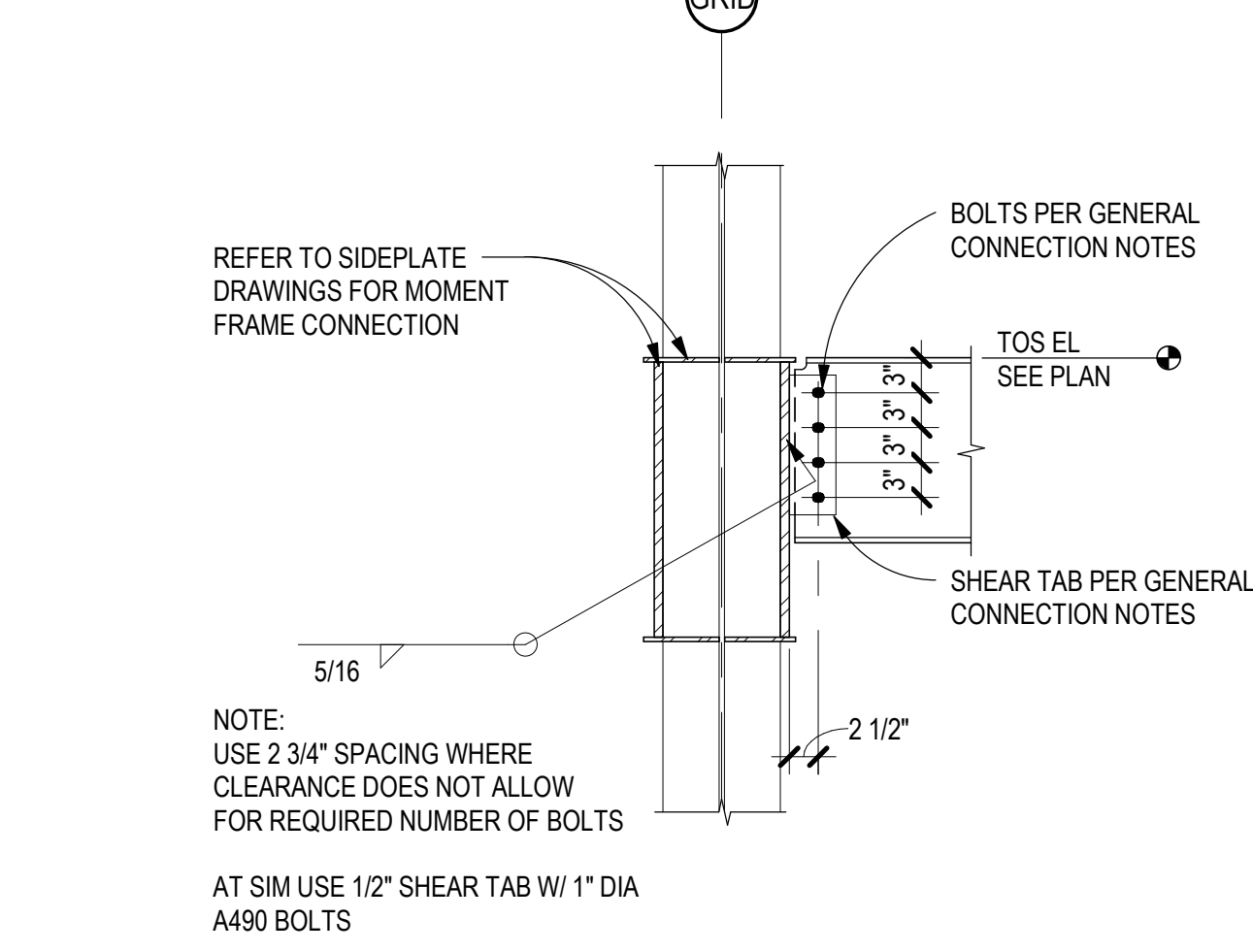
C1 HSS BEAM TO WF BEAM CONN
SCALE: 3/4" = 1'-0"



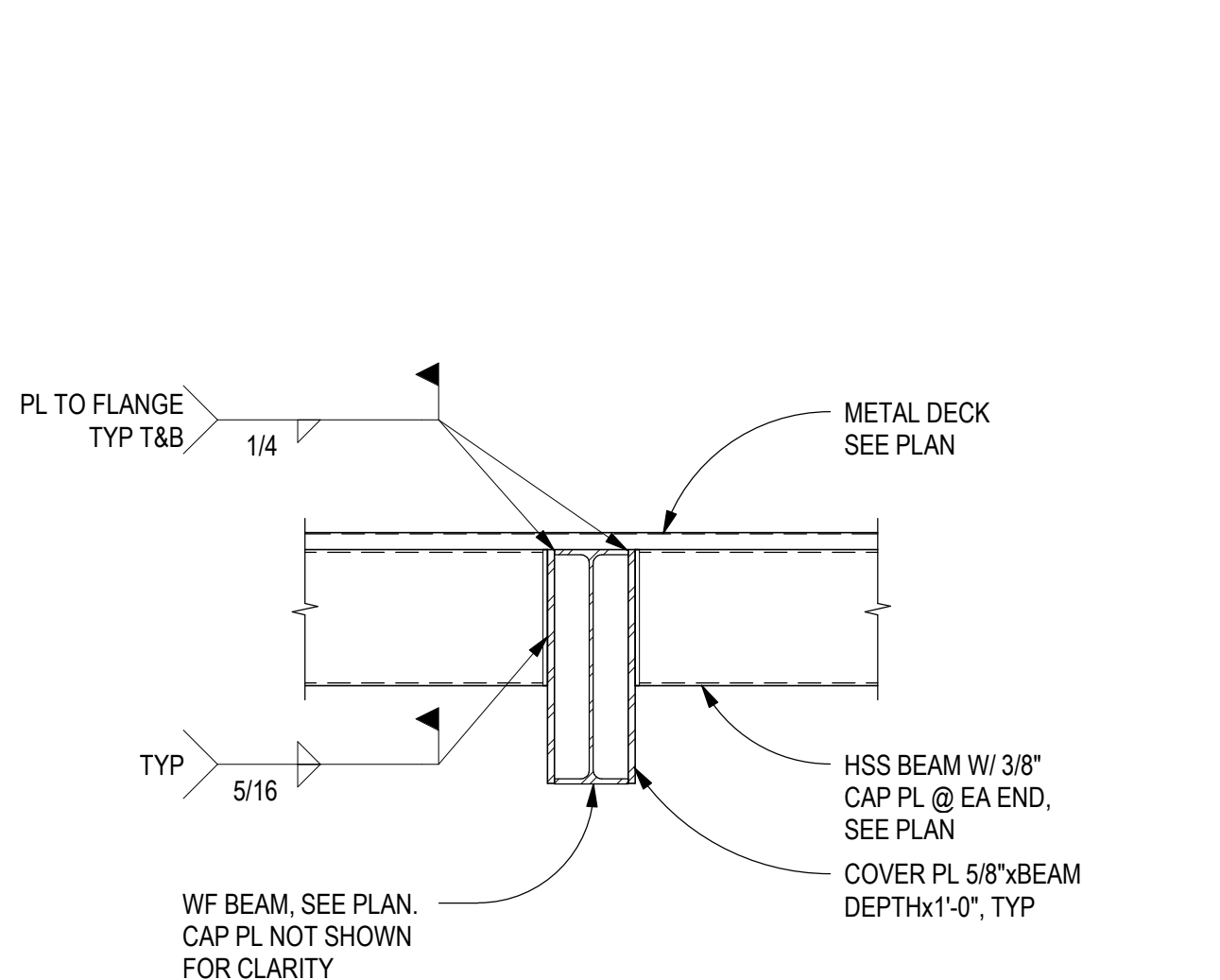
B1 DIAG ANGLE AT MOMENT (WUF) CONN
SCALE: 3/4" = 1'-0"



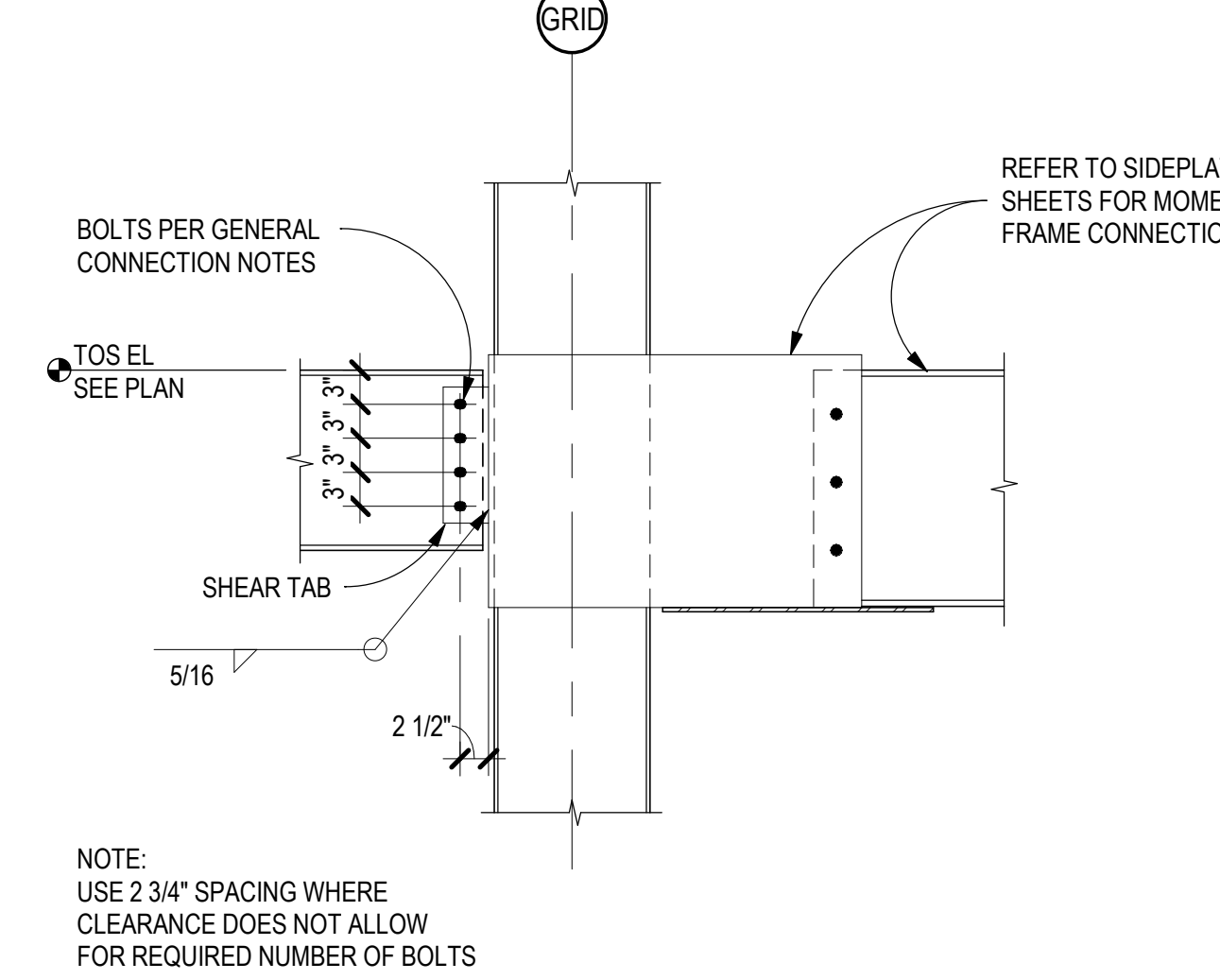
A1 BEAM CONN AT MOMENT (WUF) CONN
SCALE: 3/4" = 1'-0"



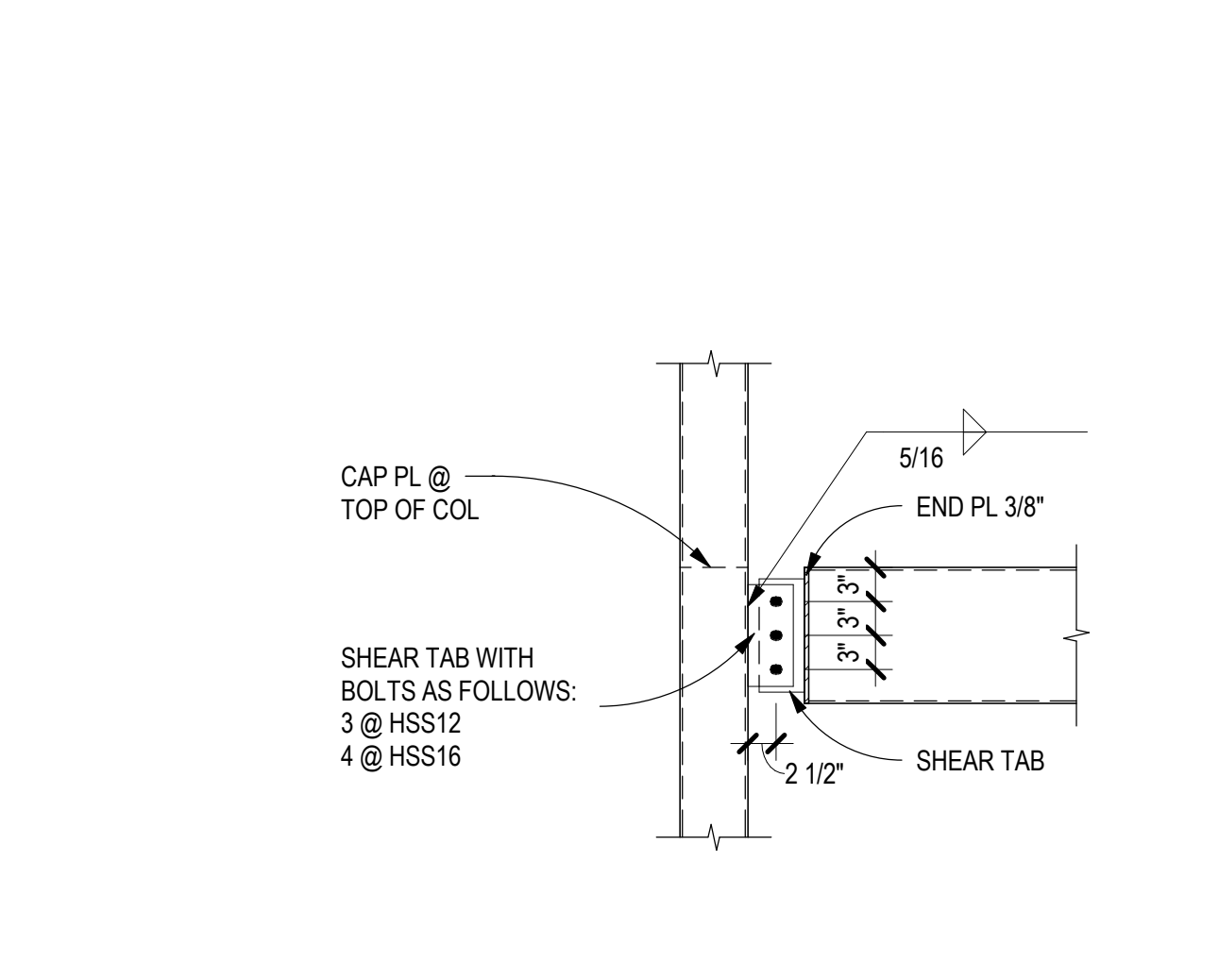
D2 BM TO COL WEB CONN AT SIDEPLATE
SCALE: 3/4" = 1'-0"



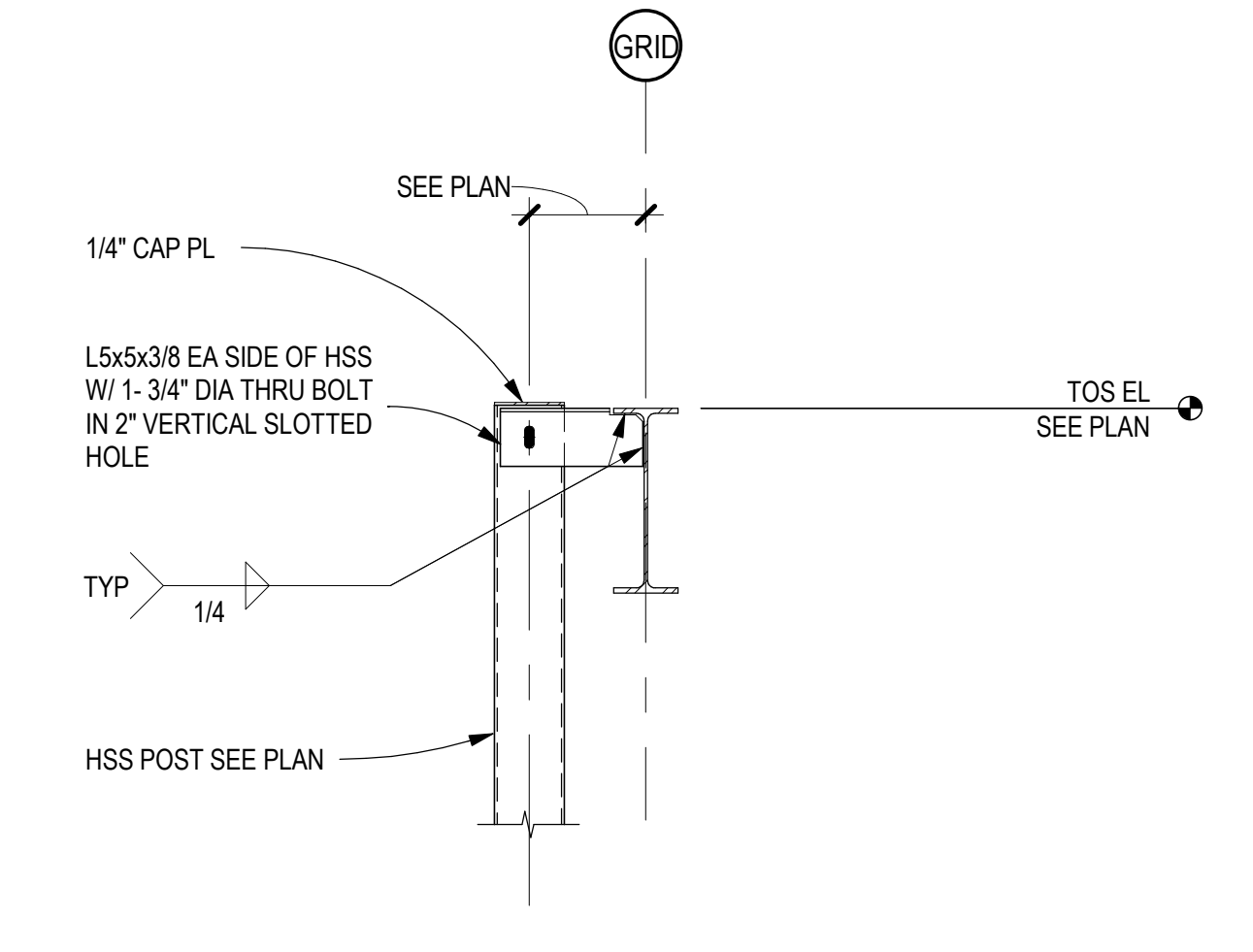
C2 HSS TO WF BEAM DETAIL
SCALE: 3/4" = 1'-0"



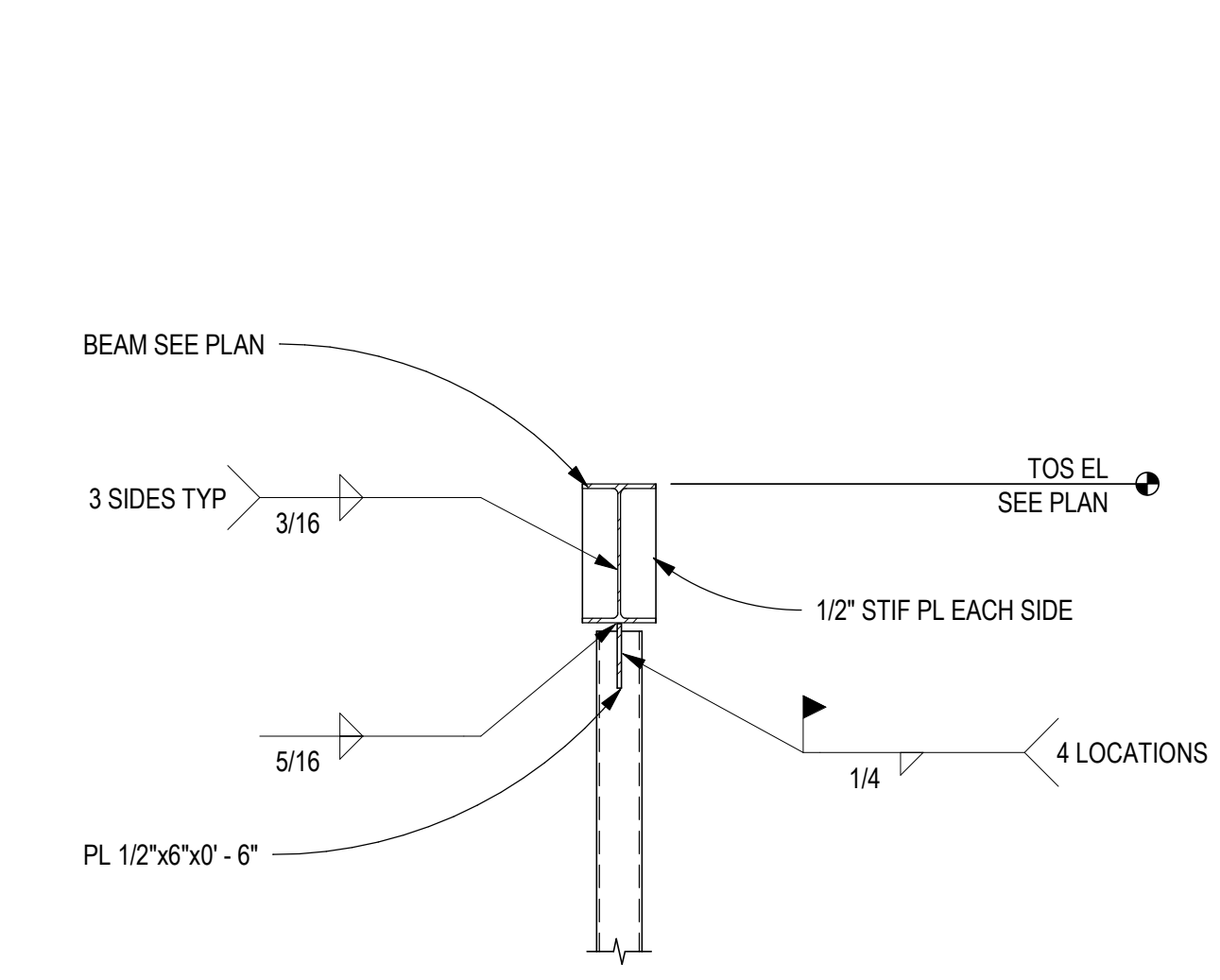
B2 BM TO COL FLANGE CONN AT SIDEPLATE
SCALE: 3/4" = 1'-0"



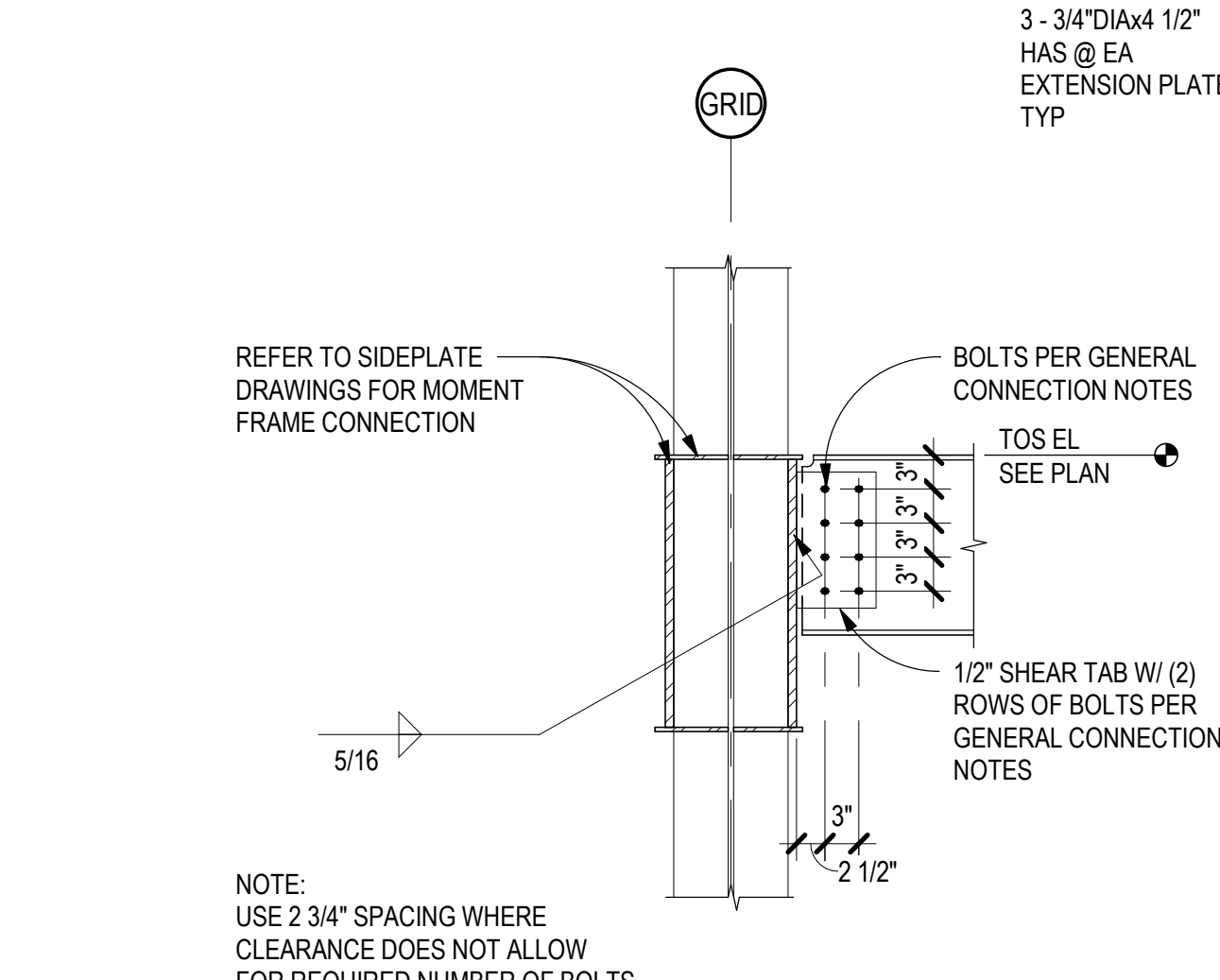
A2 HSS BEAM TO HSS COLUMN DETAIL
SCALE: 3/4" = 1'-0"



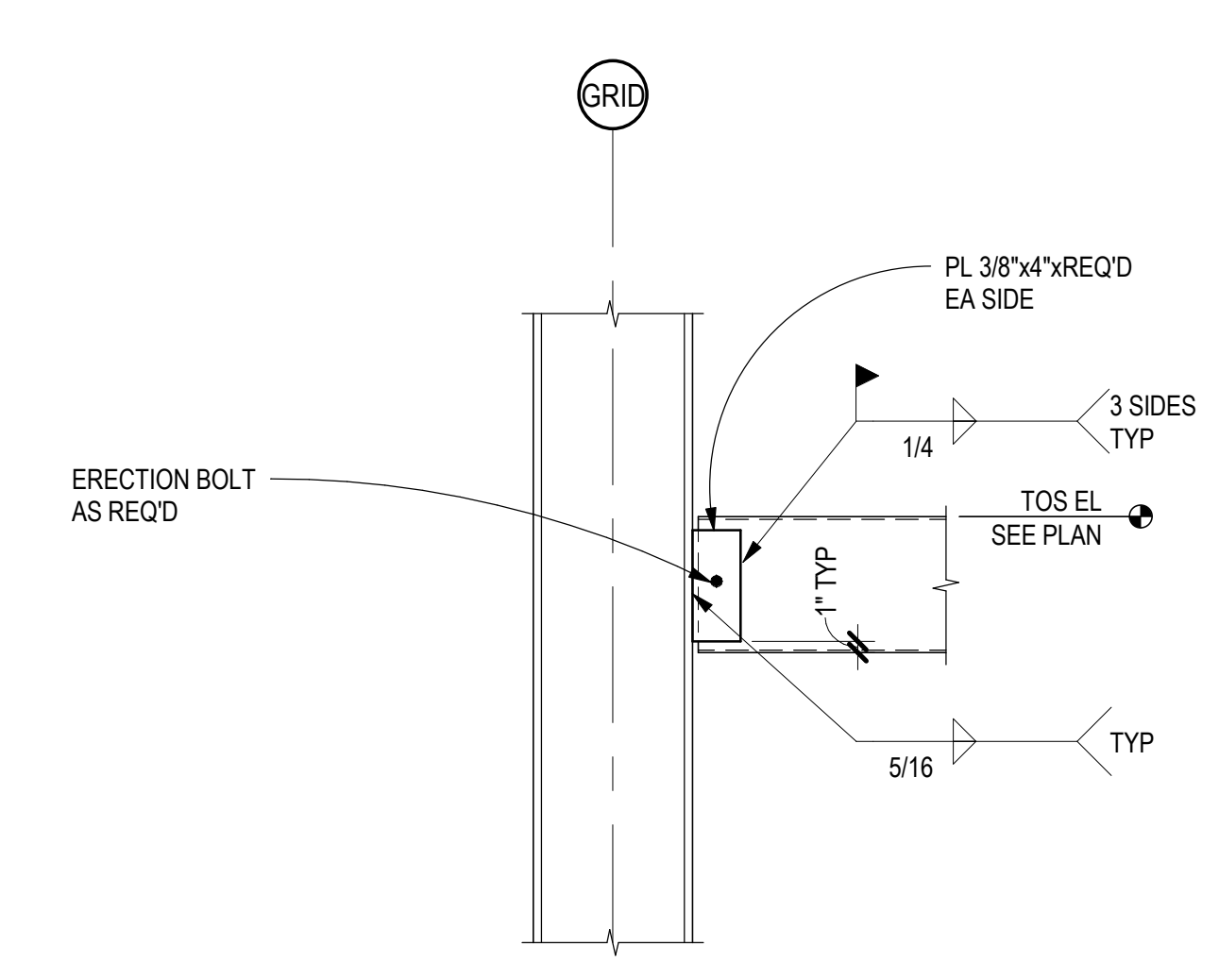
D3 TYPICAL POST TO ROOF BEAM CONN
SCALE: 3/4" = 1'-0"



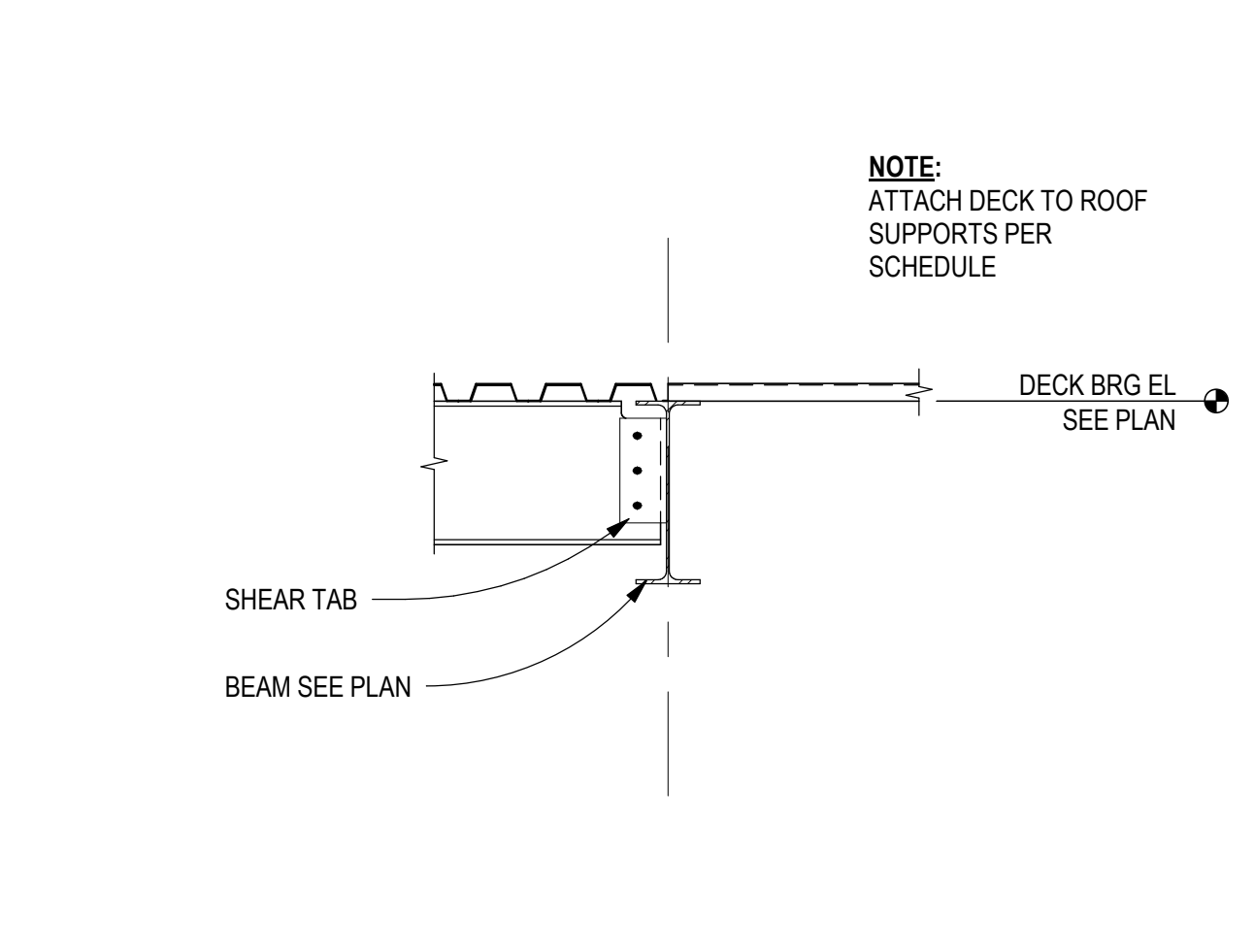
C3 HSS HANGER TO BEAM
SCALE: 3/4" = 1'-0"



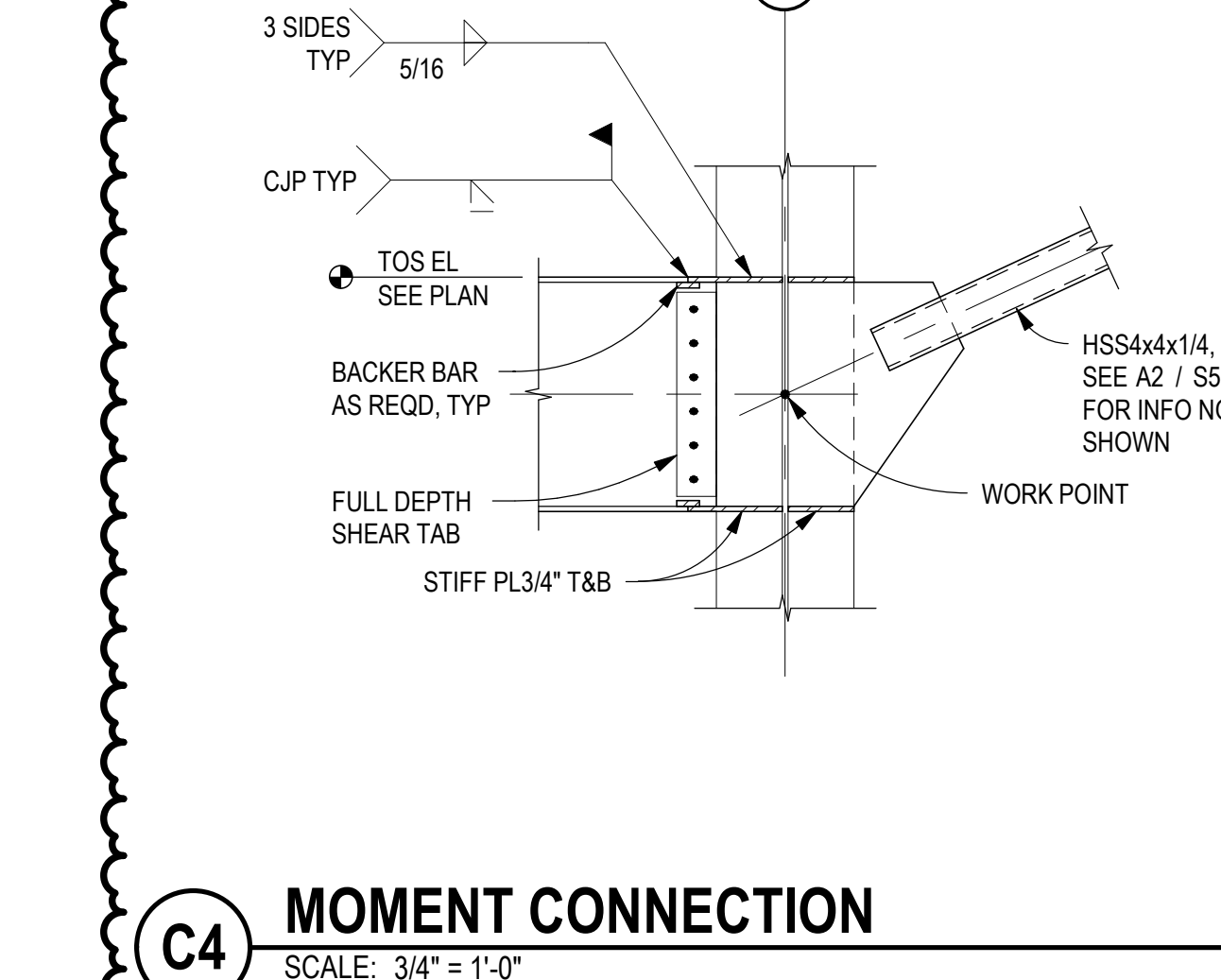
B3 BM TO COL WEB CONN AT SIDEPLATE
SCALE: 3/4" = 1'-0"



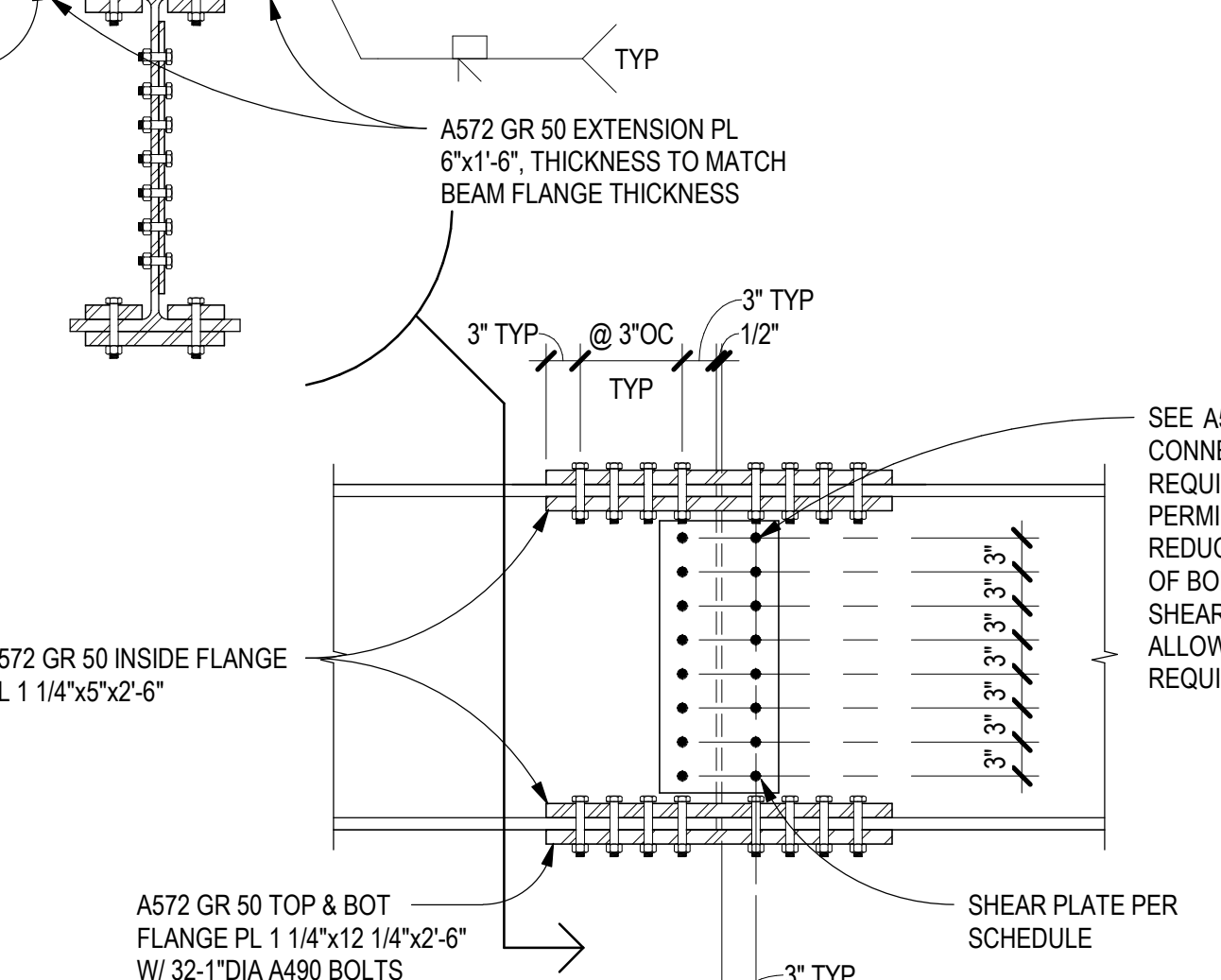
A3 HSS CONN W/ VERT LOAD ONLY
SCALE: 3/4" = 1'-0"



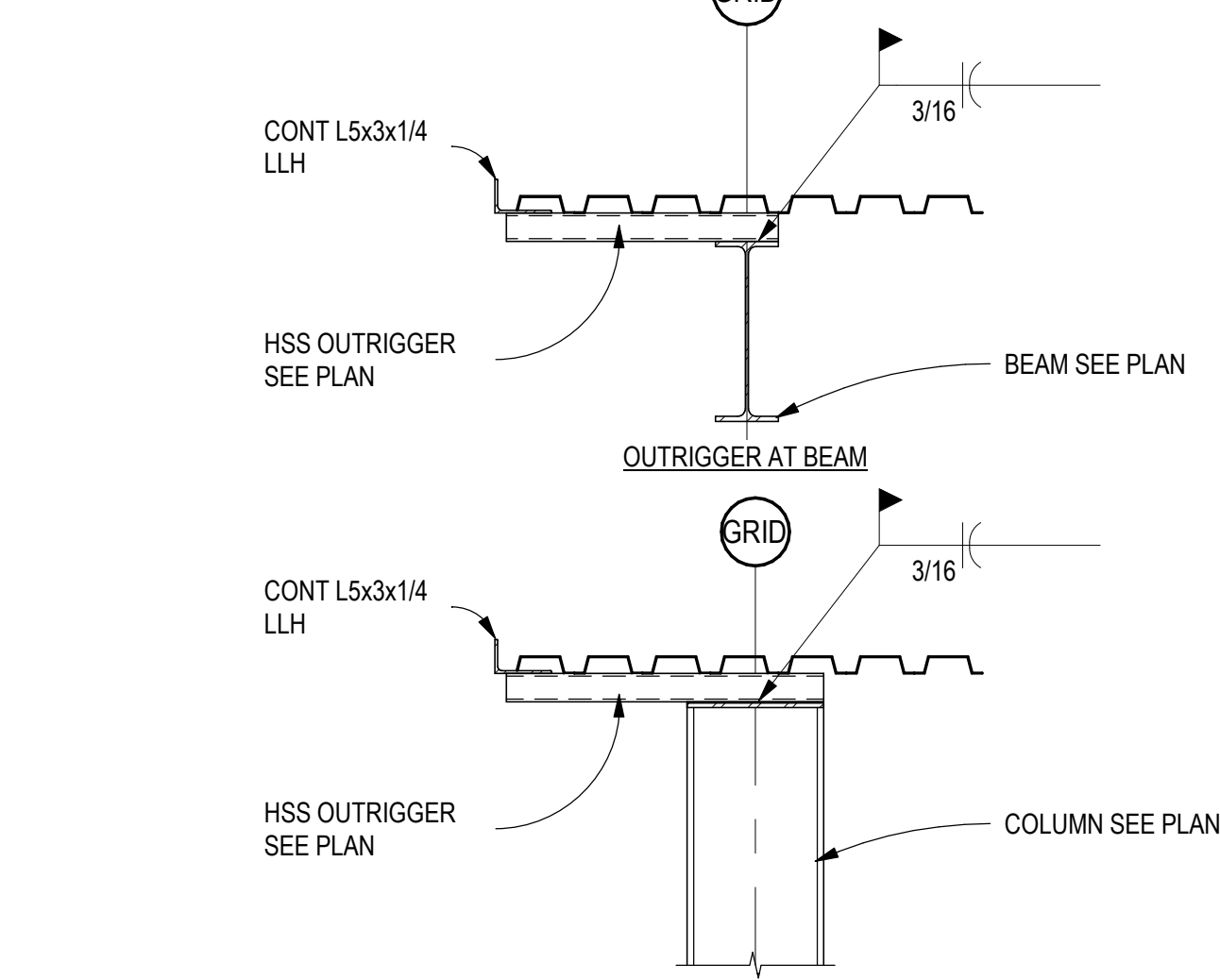
D4 ROOF DECK TRANSITION
SCALE: 3/4" = 1'-0"



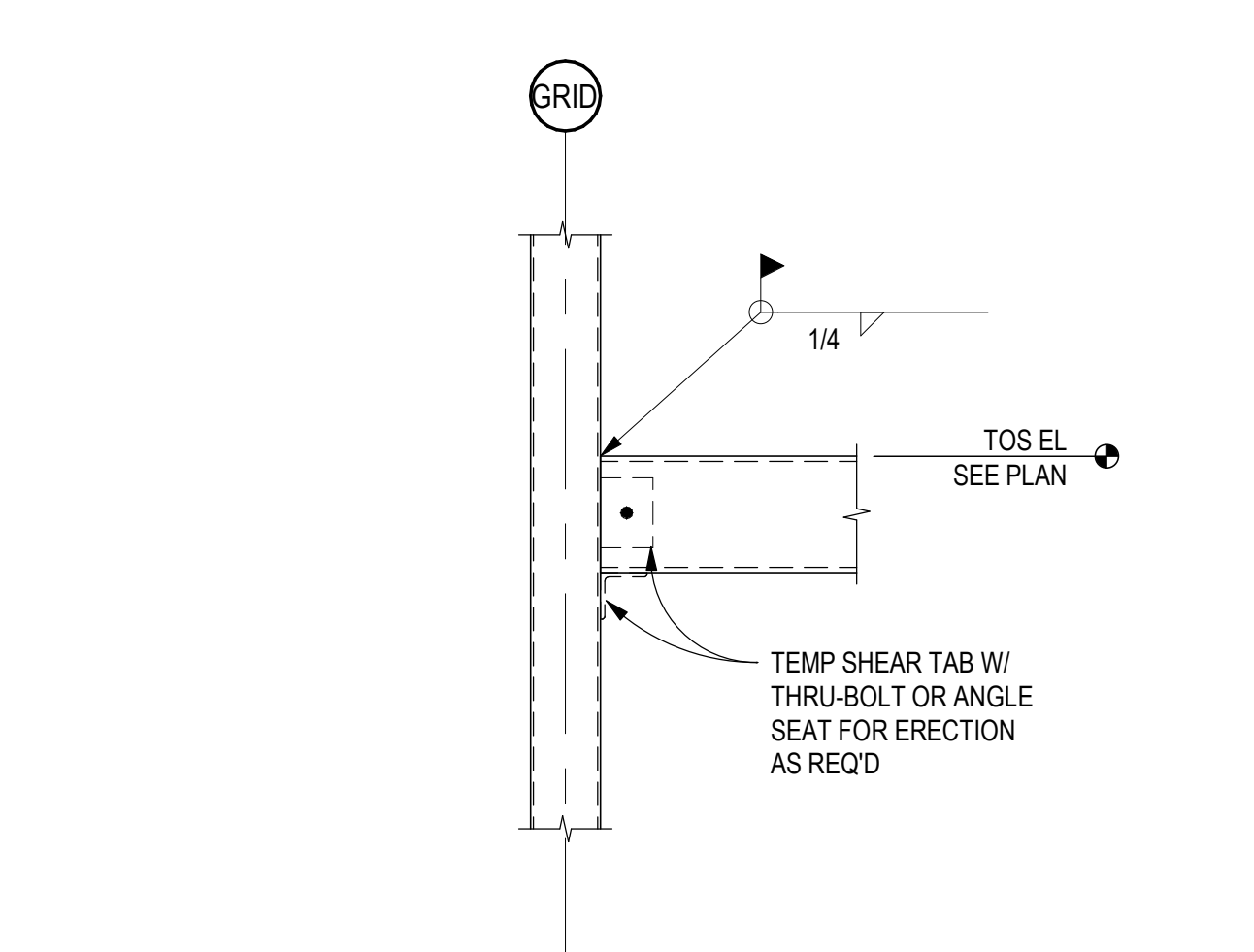
C4 MOMENT CONNECTION
SCALE: 3/4" = 1'-0"



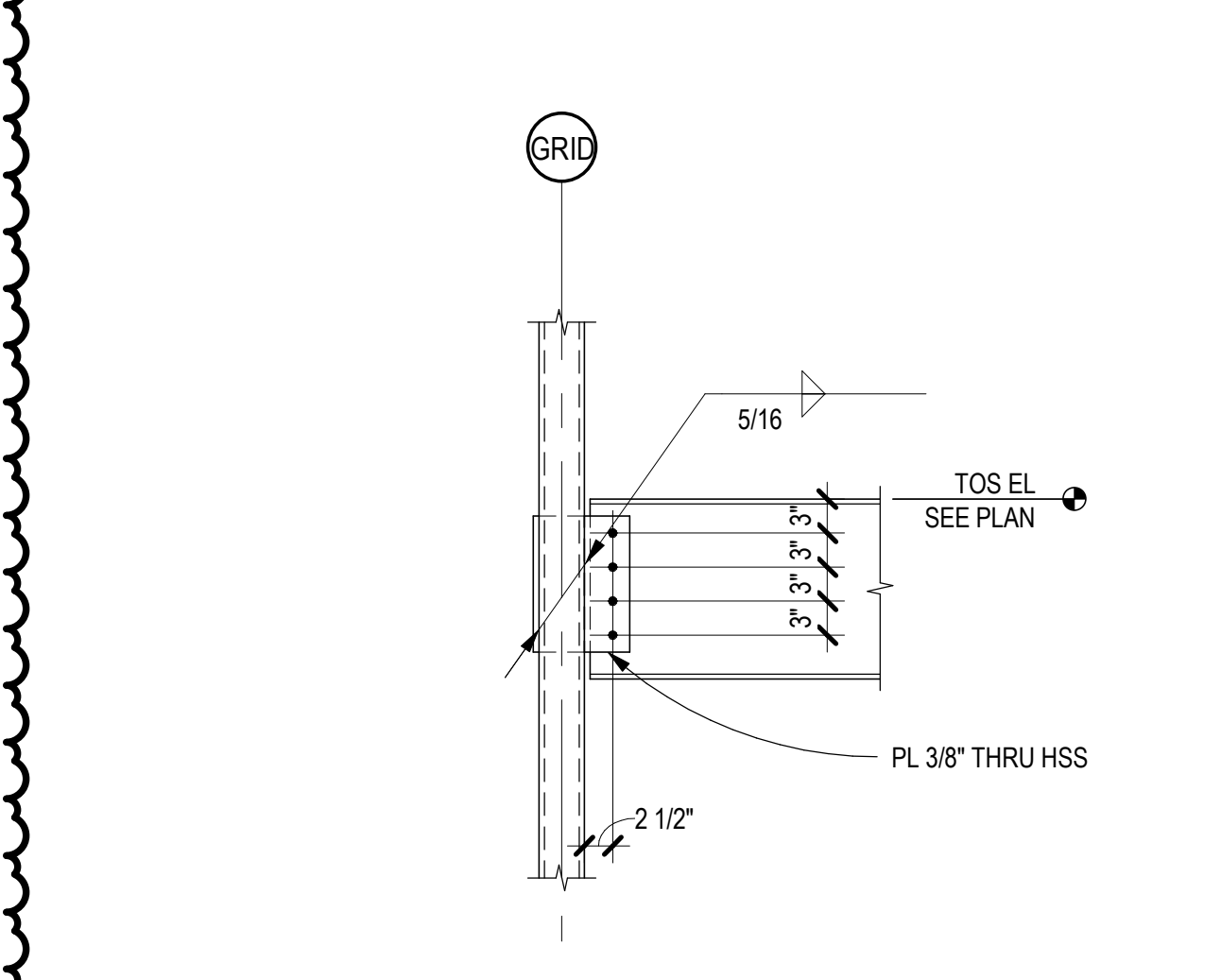
B4 WF BEAM SPLICE
SCALE: 3/4" = 1'-0"



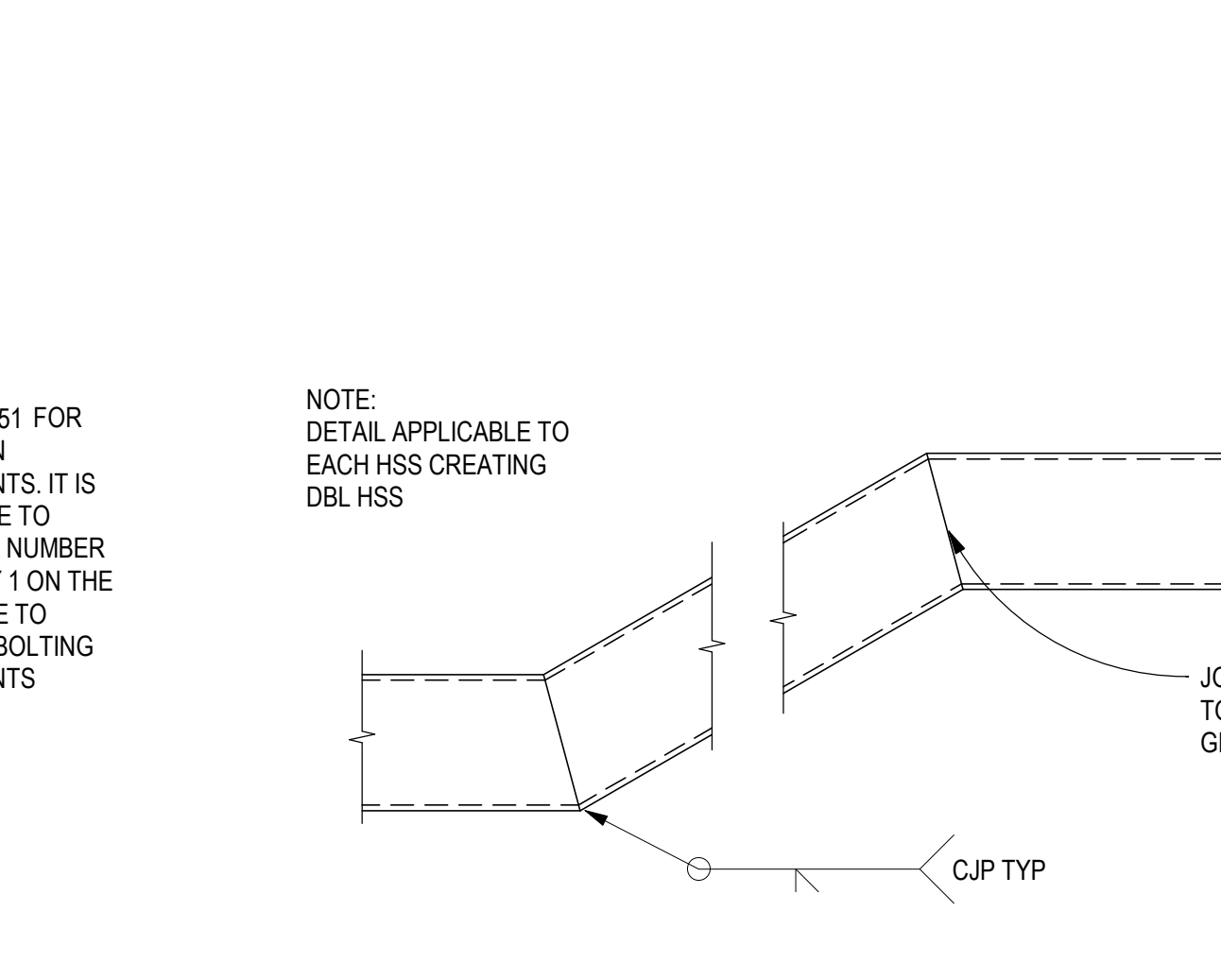
A4 ROOF OUTRIGGER DETAIL
SCALE: 3/4" = 1'-0"



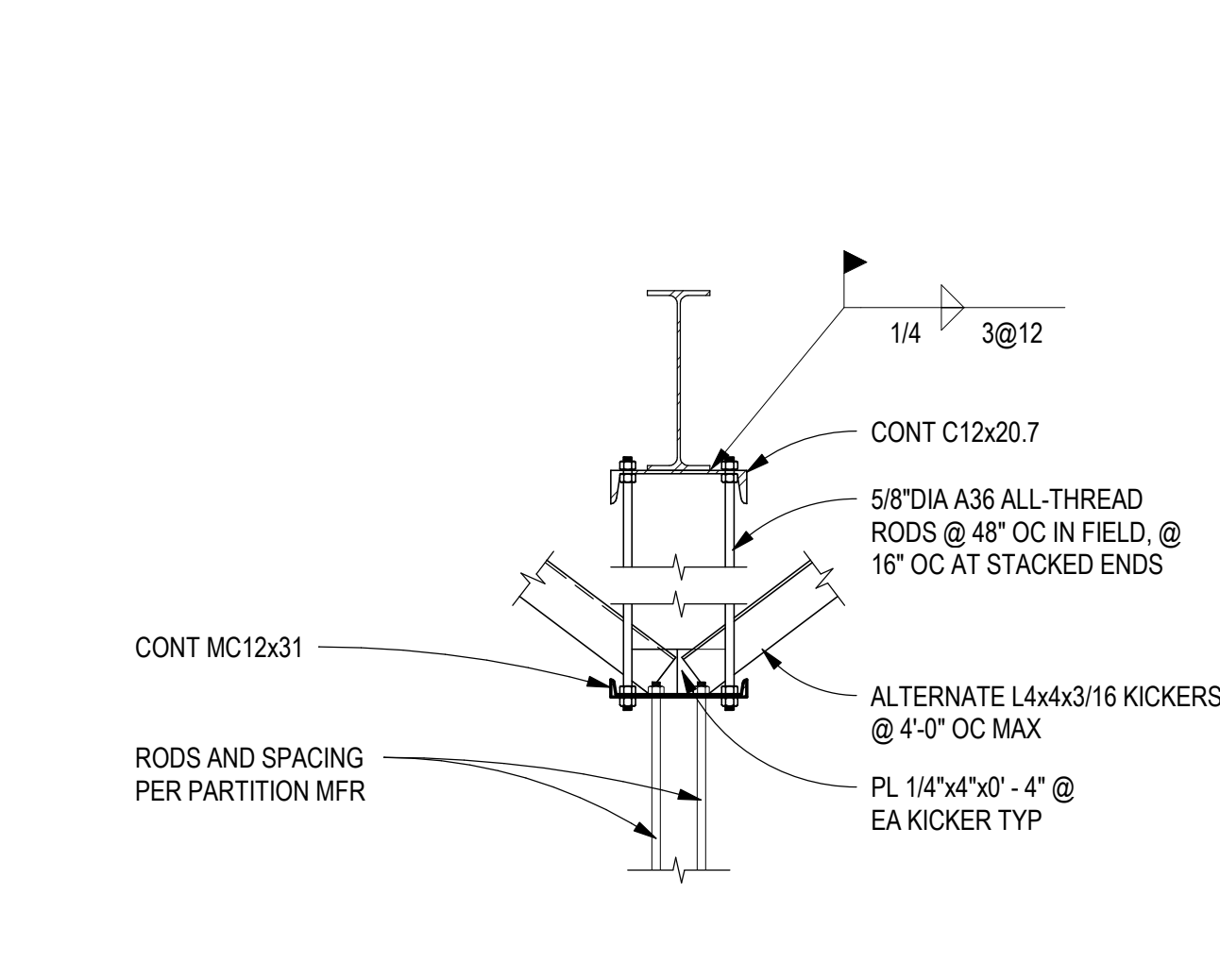
D5 HSS CONNECTION W/ PARTIAL FIXITY
SCALE: 3/4" = 1'-0"



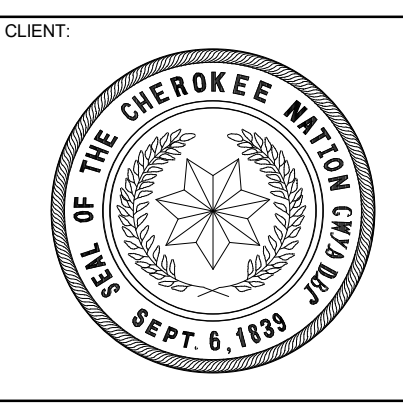
C5 BEAM TO HSS COL W/ THRU PL CONN
SCALE: 3/4" = 1'-0"



B5 DBL BENT HSS GIRT DETAIL
SCALE: 3/4" = 1'-0"



A5 PARTITION SUPPORT SECTION
SCALE: 3/4" = 1'-0"



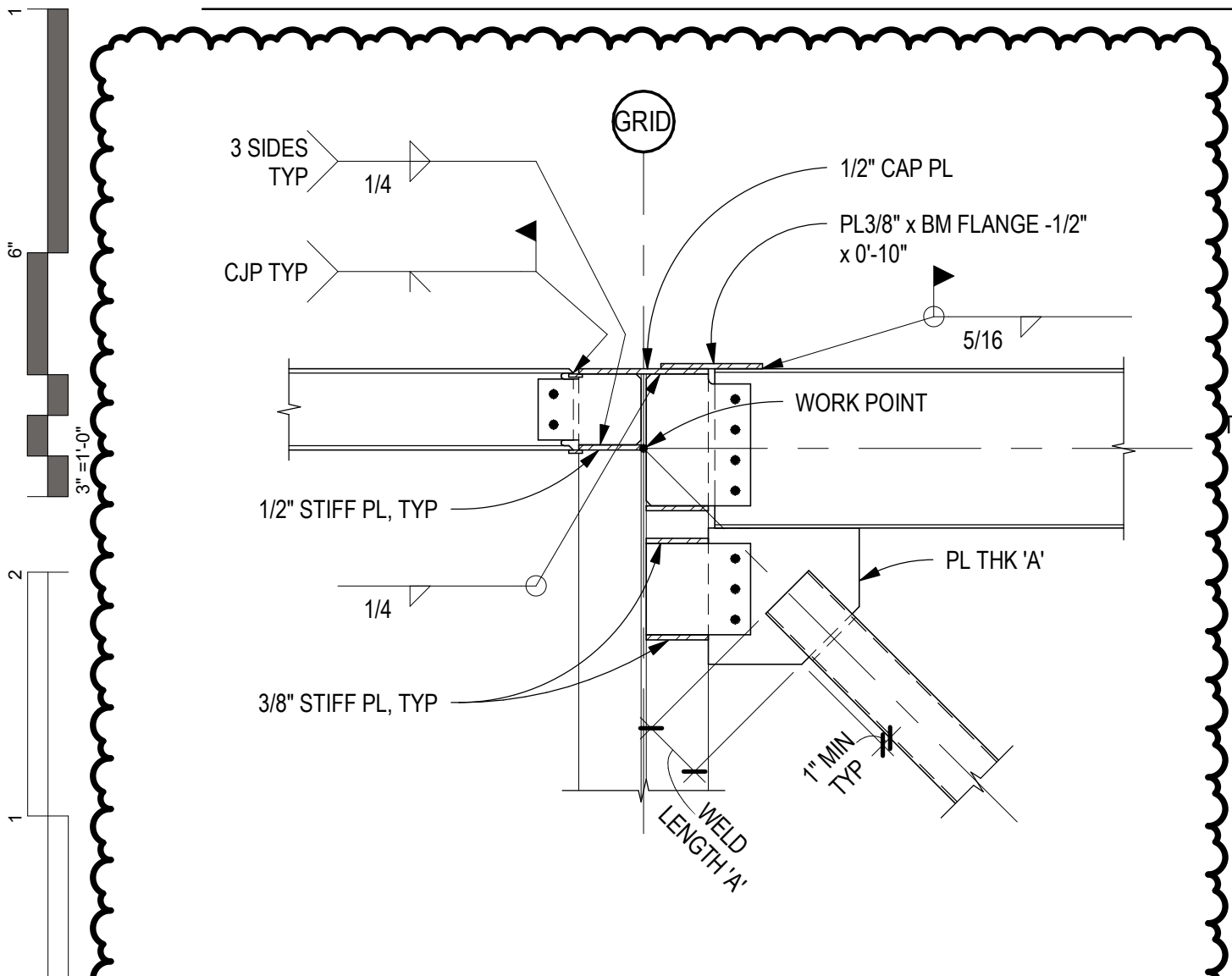
KEY PLAN:

PROJECT PHASE: BID PACKAGE 04

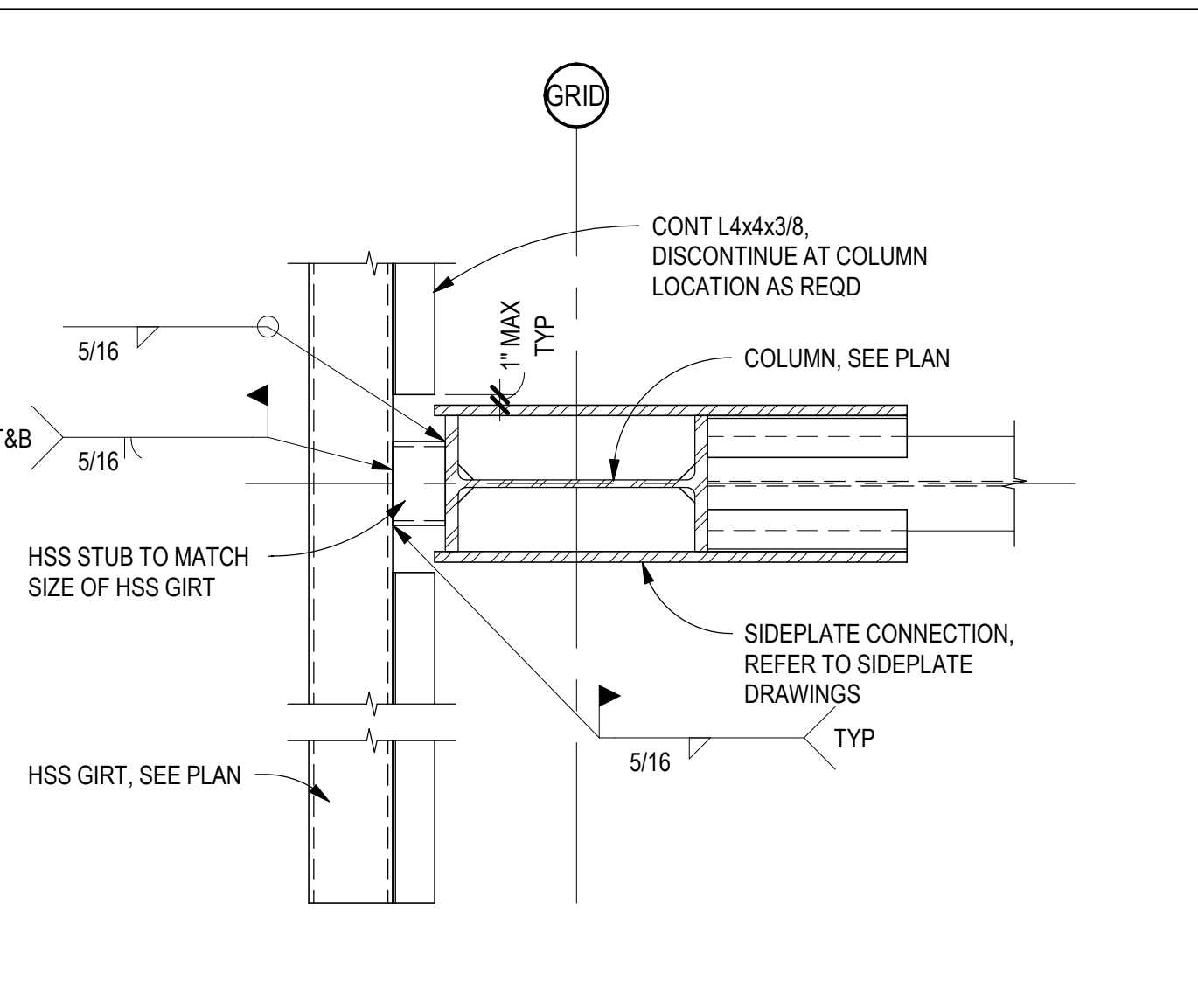
#	DATE	REVISIONS	DESCRIPTION
1	05-10-19	BID PACKAGE 04	AS BUILT

DATE: 05-10-19 JOB NUMBER: 17-13

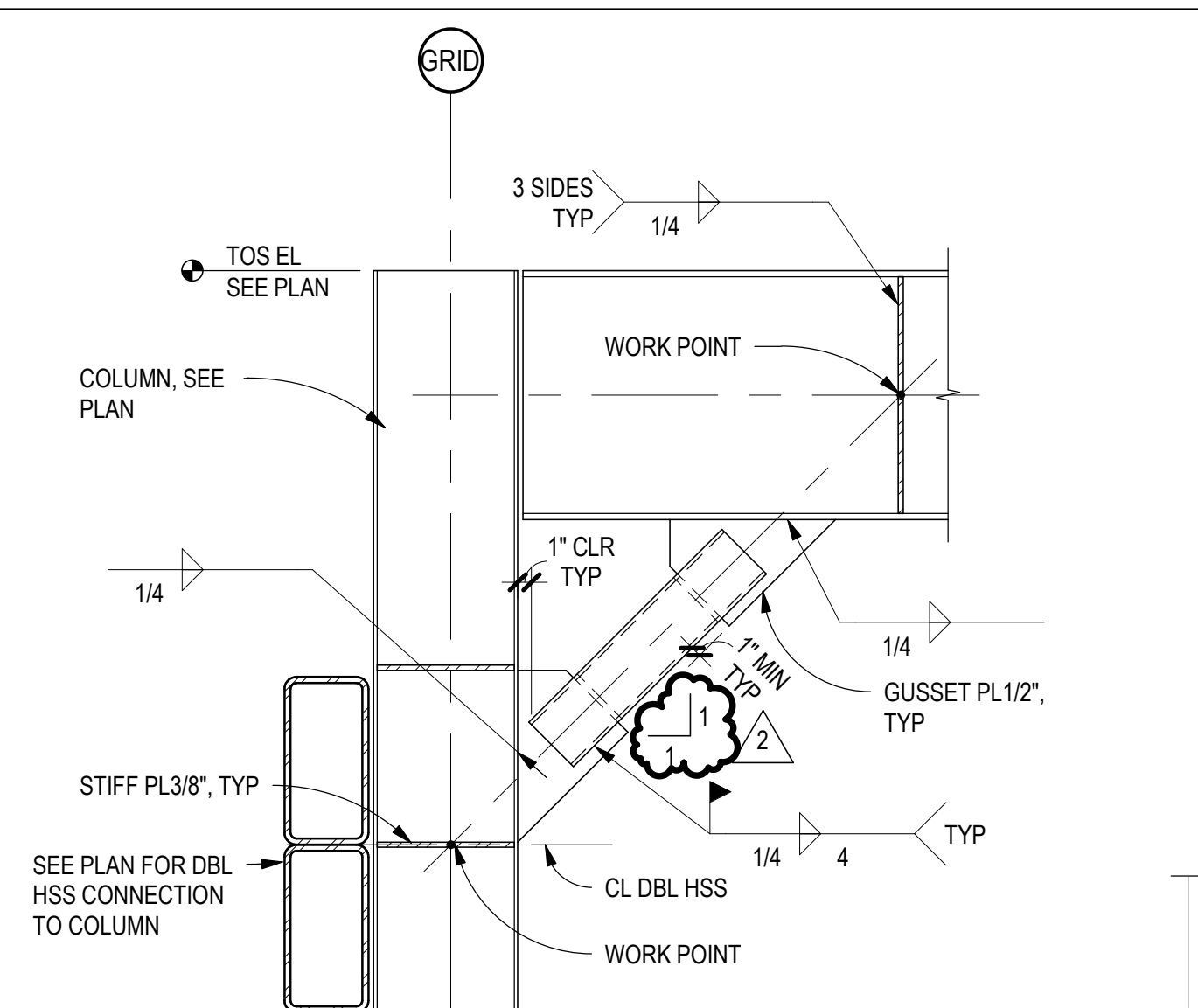
SHEET NUMBER: S5.52
STEEL DETAILS



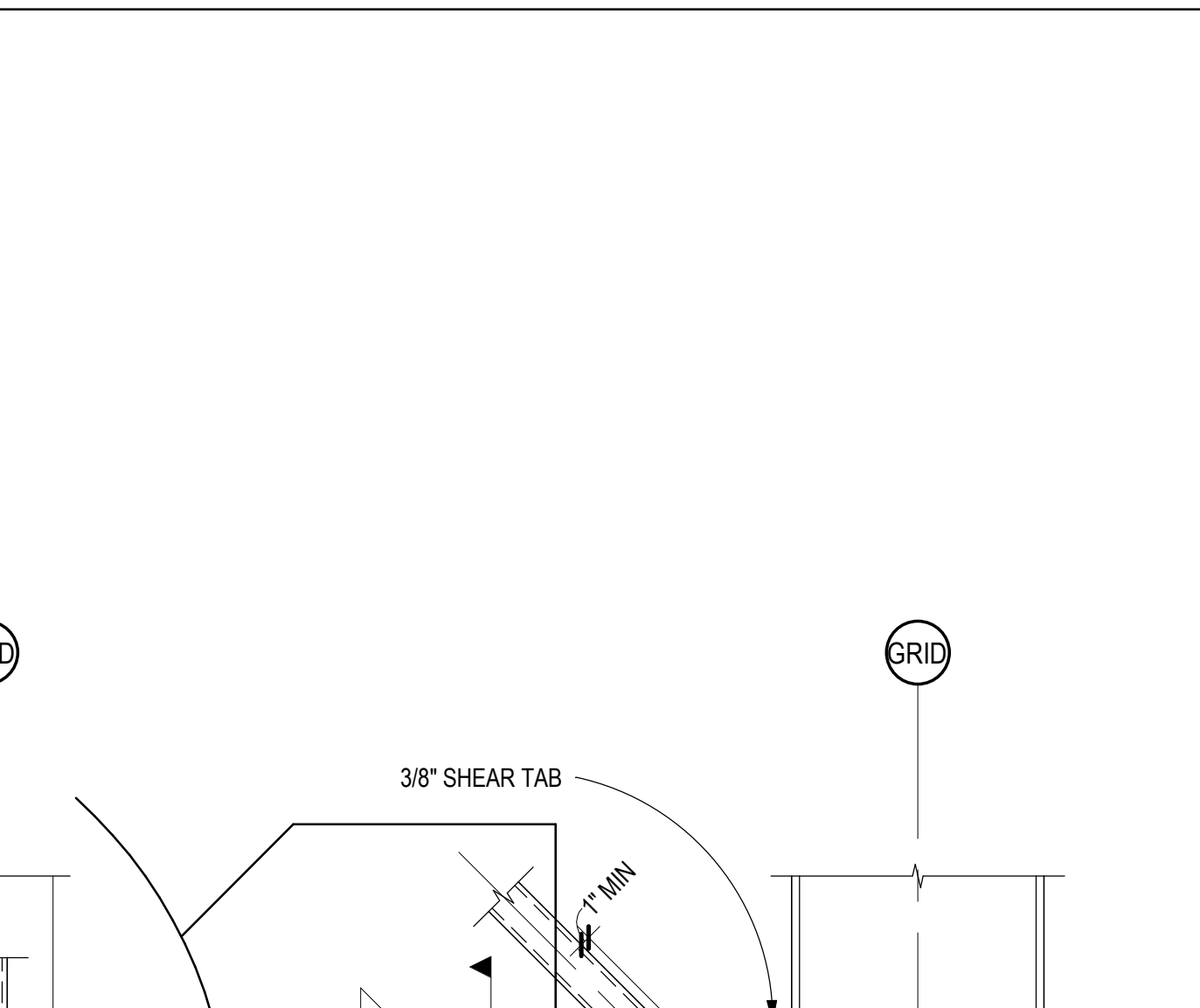
D1 FRAMING FRAME CONNECTION
SCALE: 3/4" = 1'-0"



D2 FRAMING EXTENSION DETAIL
SCALE: 3/4" = 1'-0"



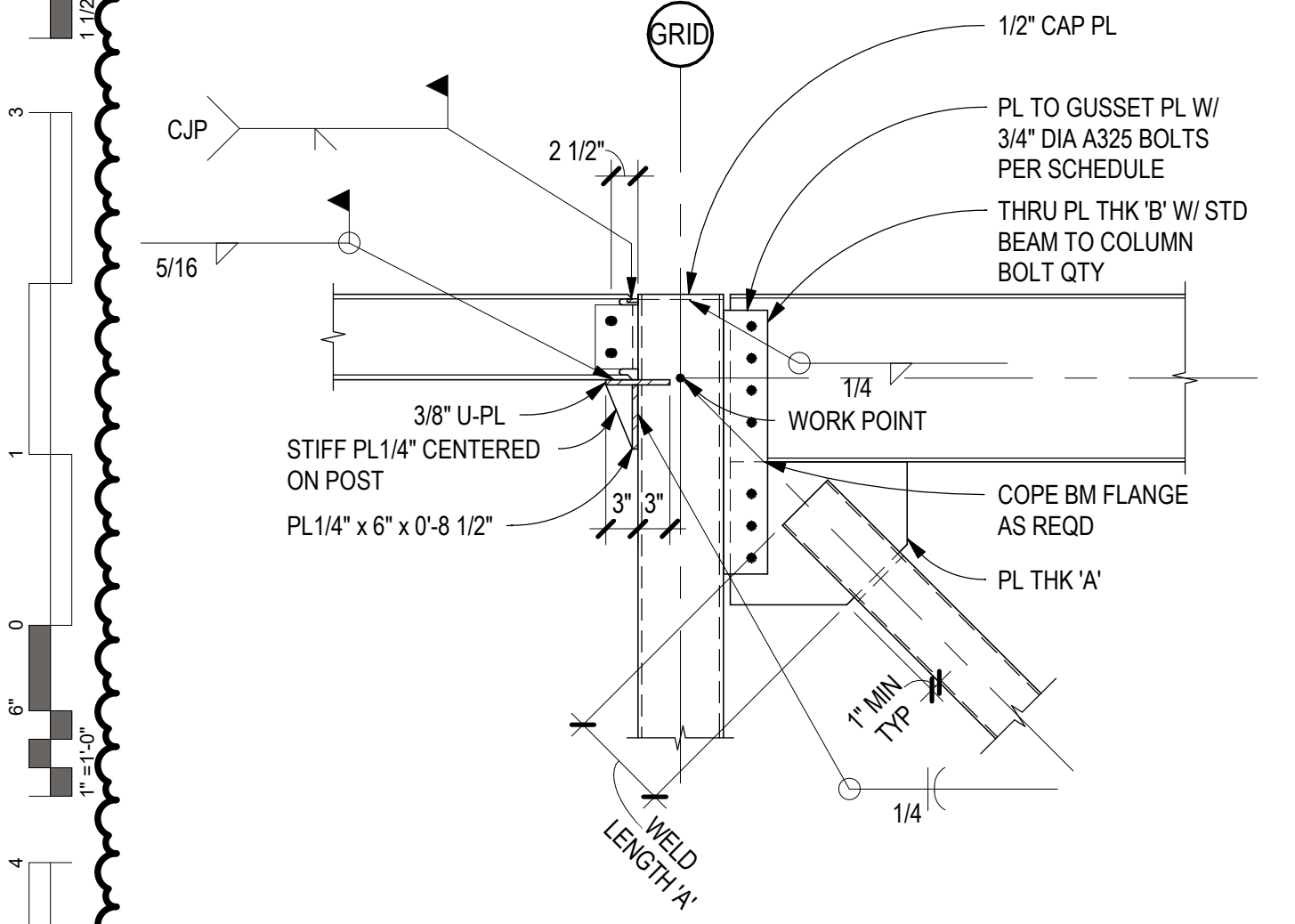
D3 VERTICAL BRACE AT COL FLANGE
SCALE: 3/4" = 1'-0"



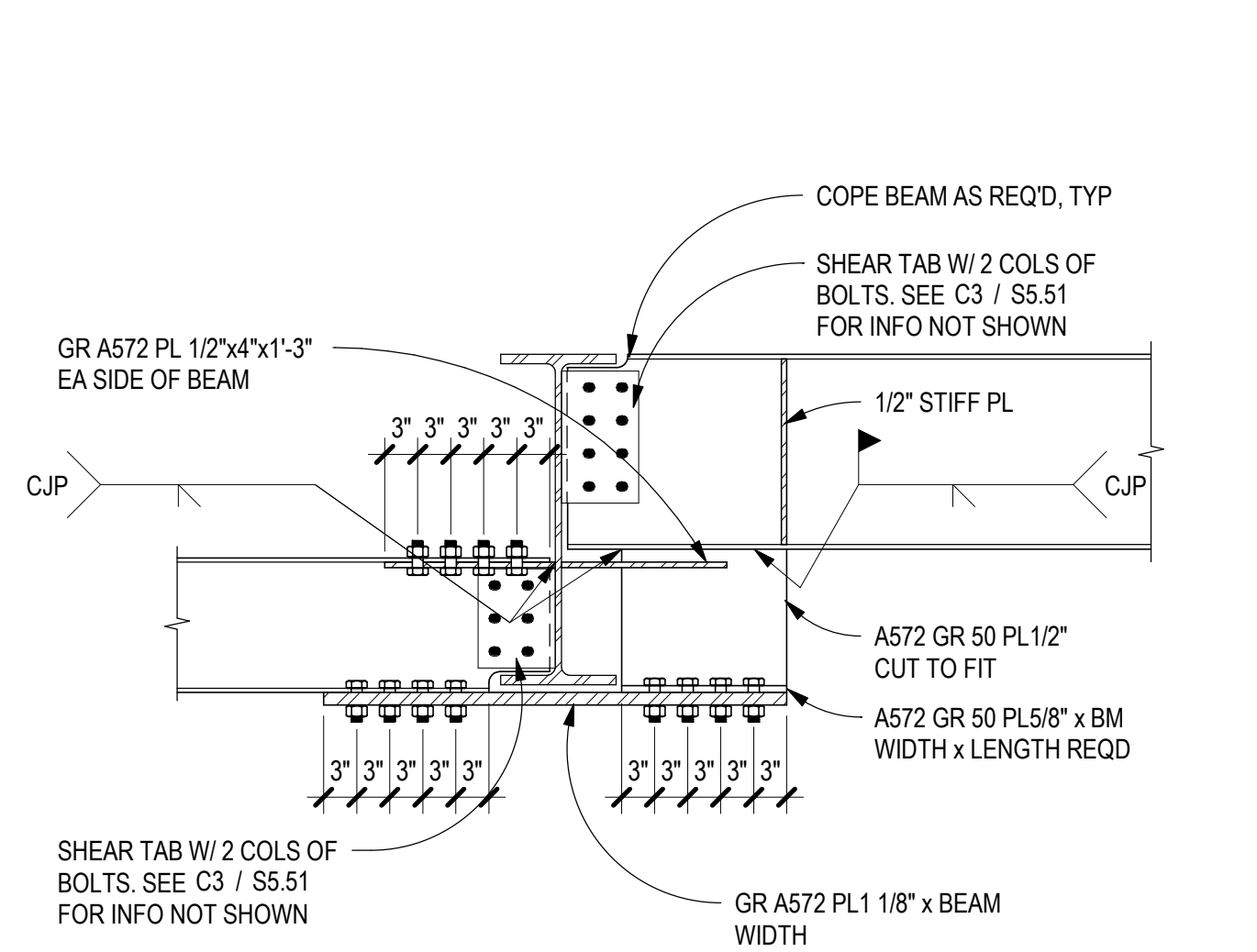
D4 VERTICAL BRACE AT COLUMN WEB
SCALE: 3/4" = 1'-0"



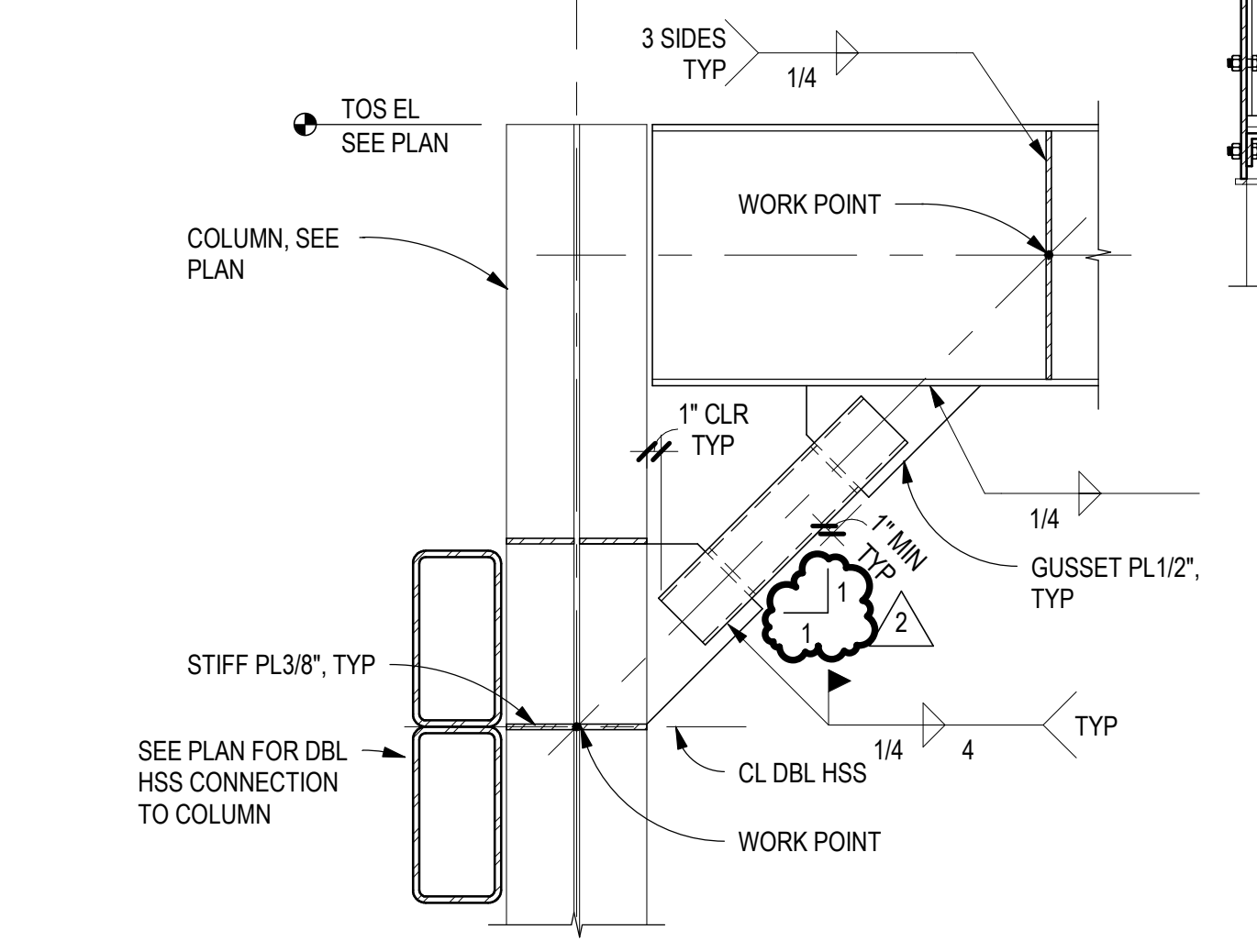
D5 BRACED FRAME CONNECTION
SCALE: 3/4" = 1'-0"



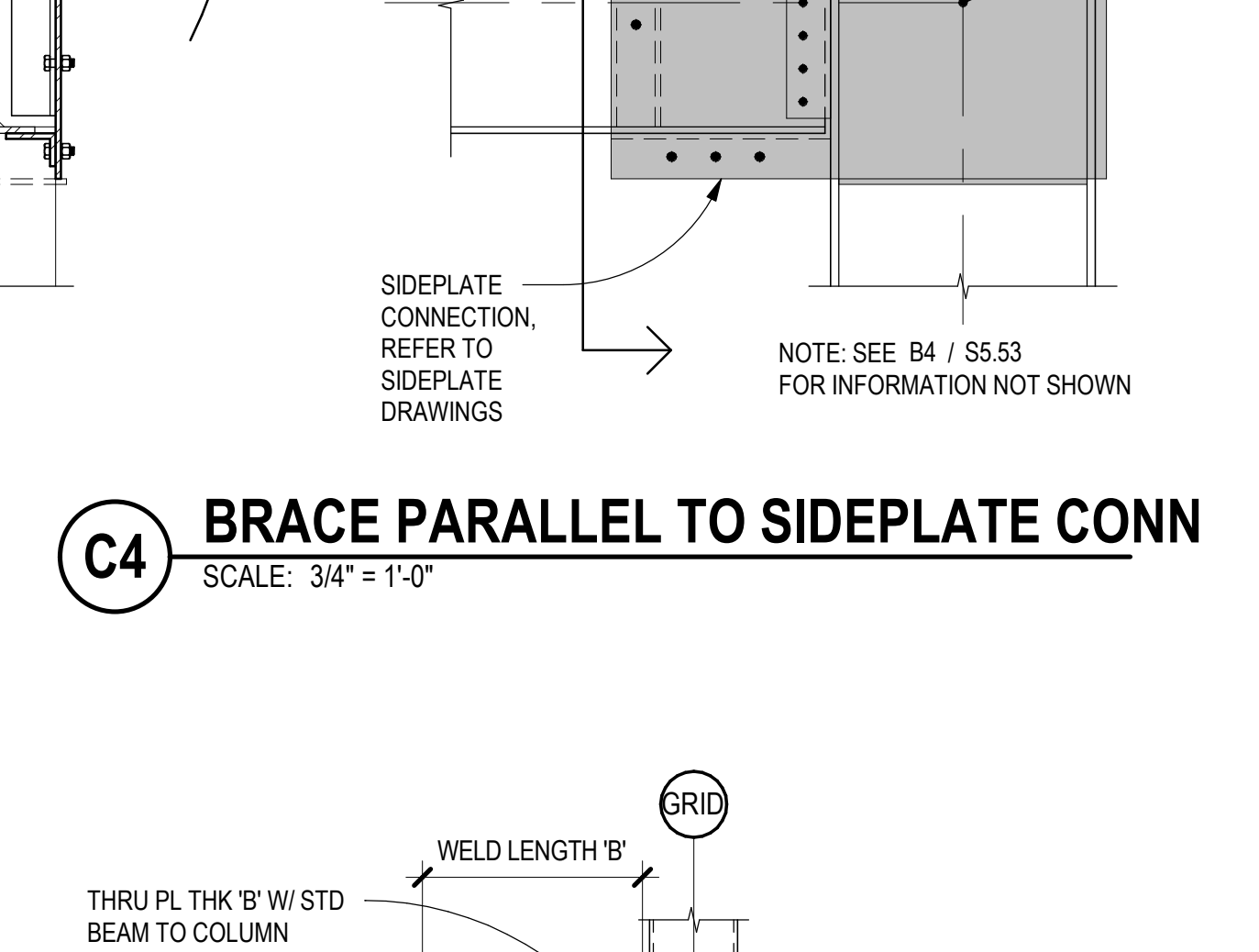
C1 BRACED FRAME CONNECTION
SCALE: 3/4" = 1'-0"



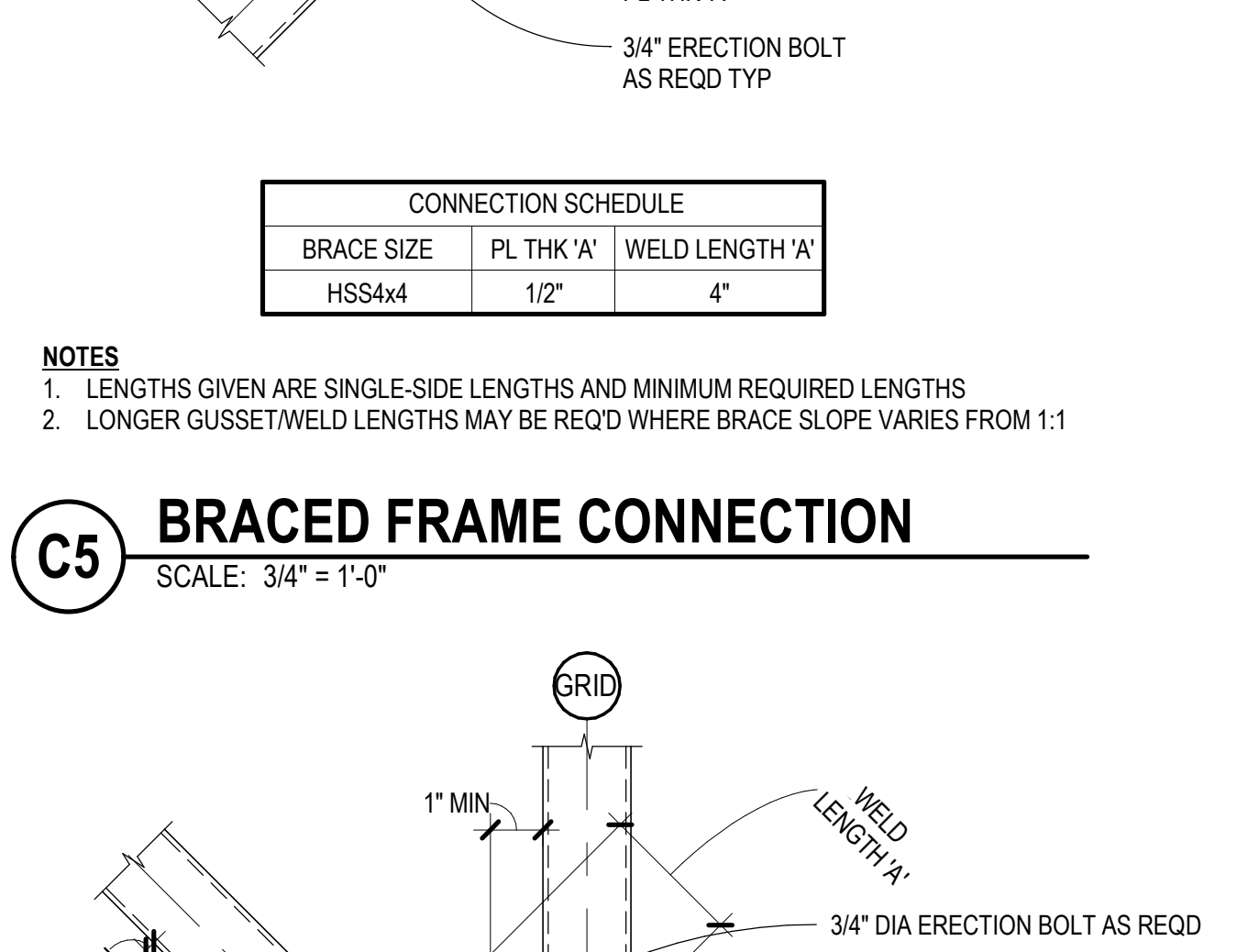
C2 LOW ROOF MOMENT CONNECTION
SCALE: 3/4" = 1'-0"



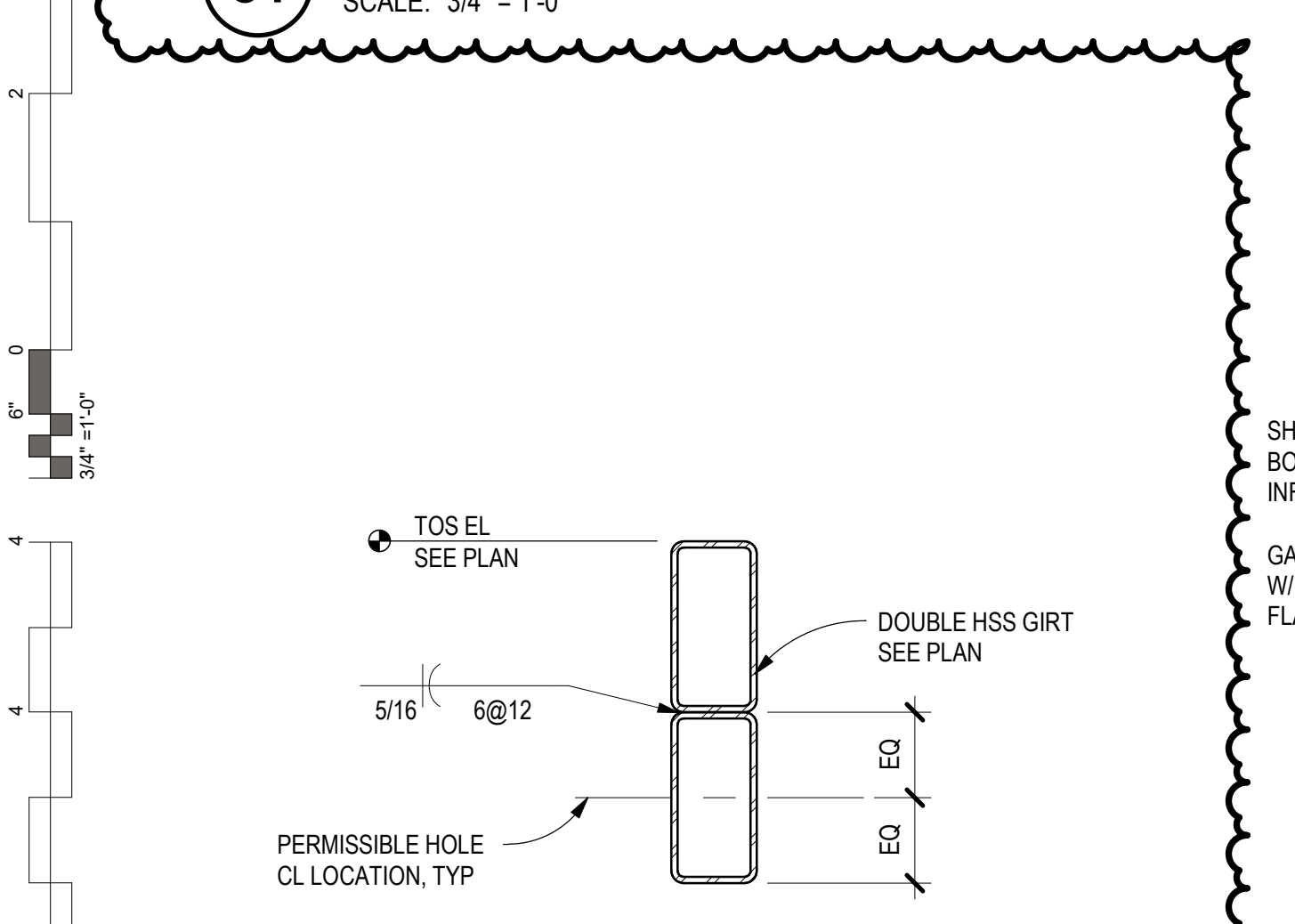
C3 VERTICAL BRACE AT COLUMN WEB
SCALE: 3/4" = 1'-0"



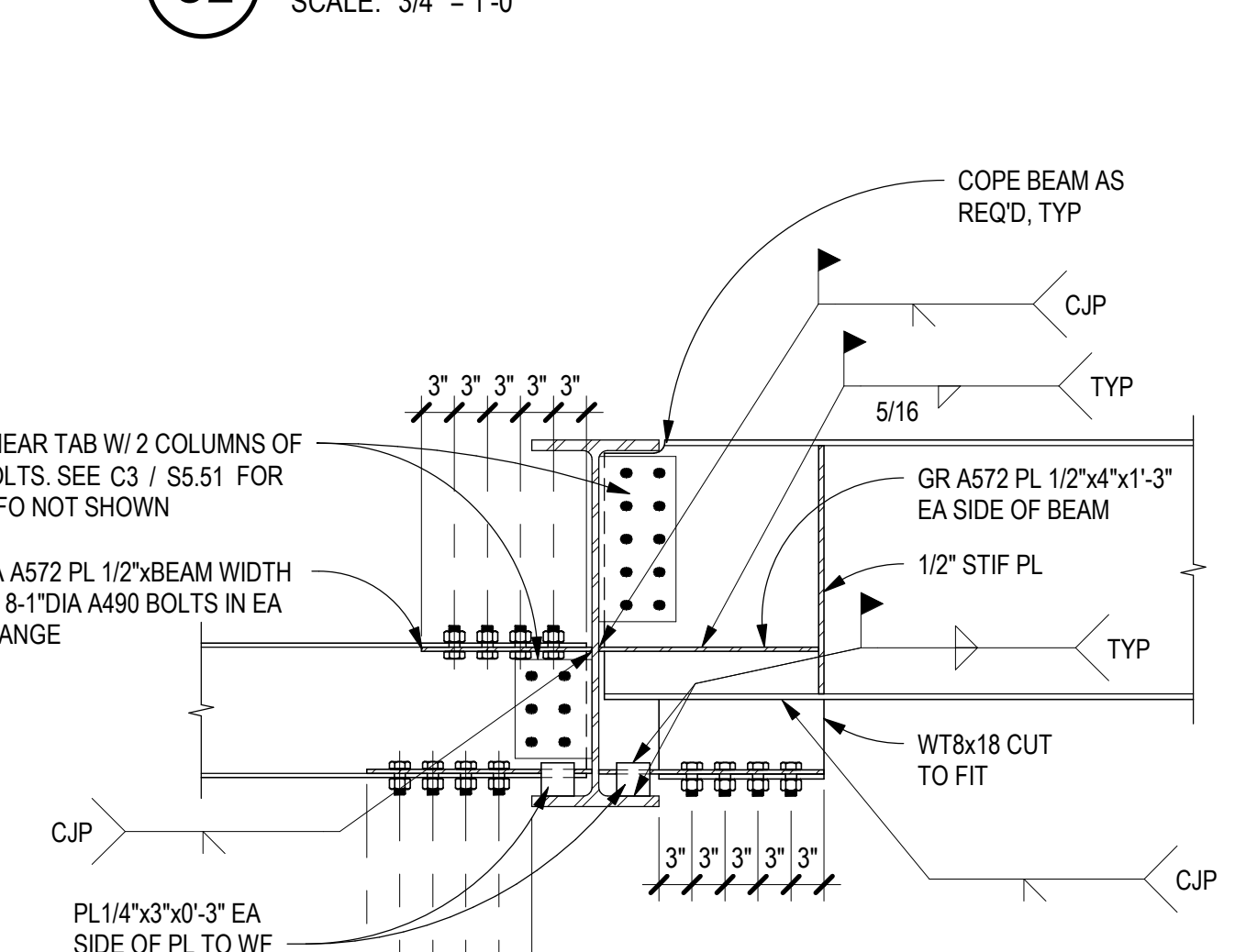
C4 BRACE PARALLEL TO SIDEPLATE CONN
SCALE: 3/4" = 1'-0"



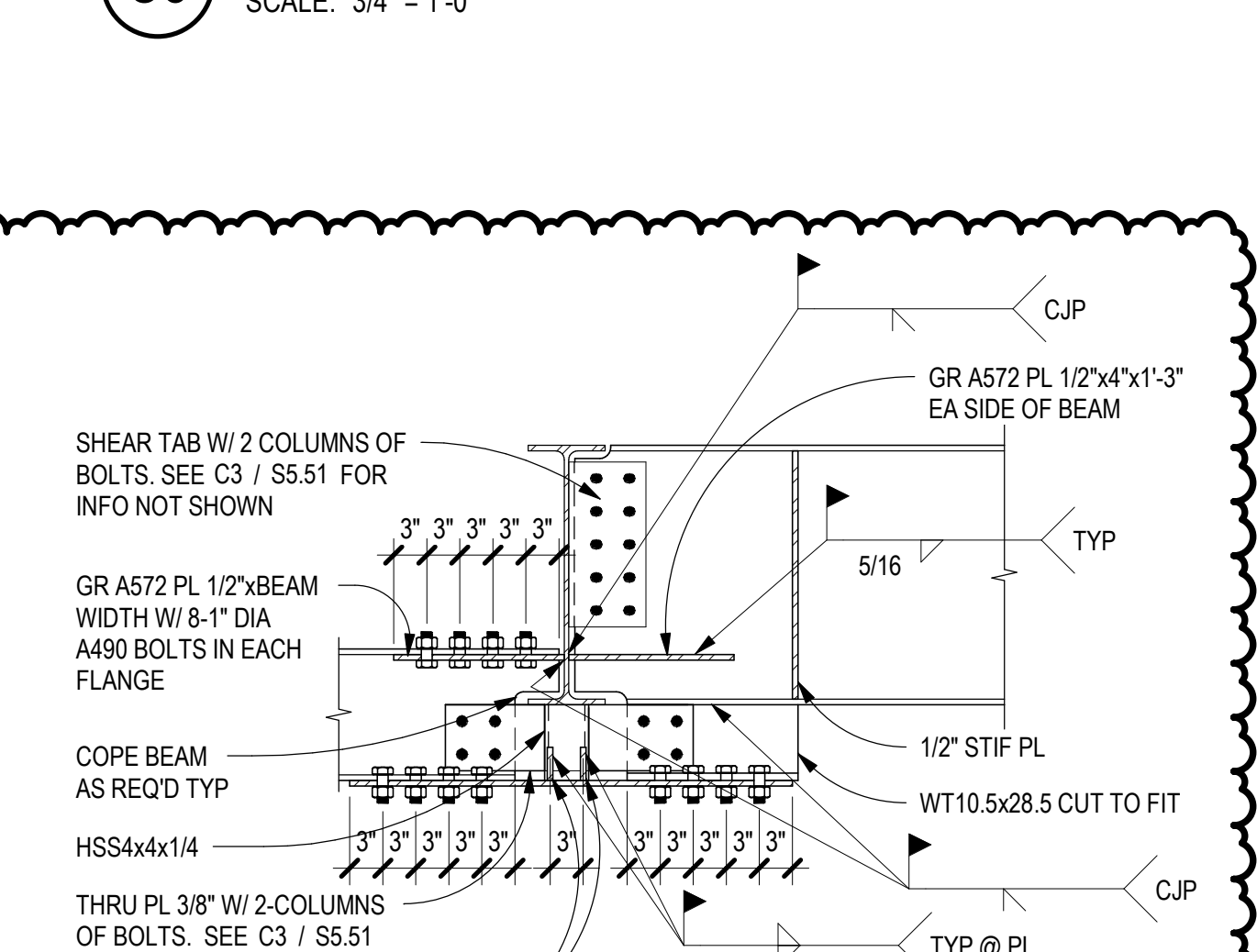
C5 BRACED FRAME CONNECTION
SCALE: 3/4" = 1'-0"



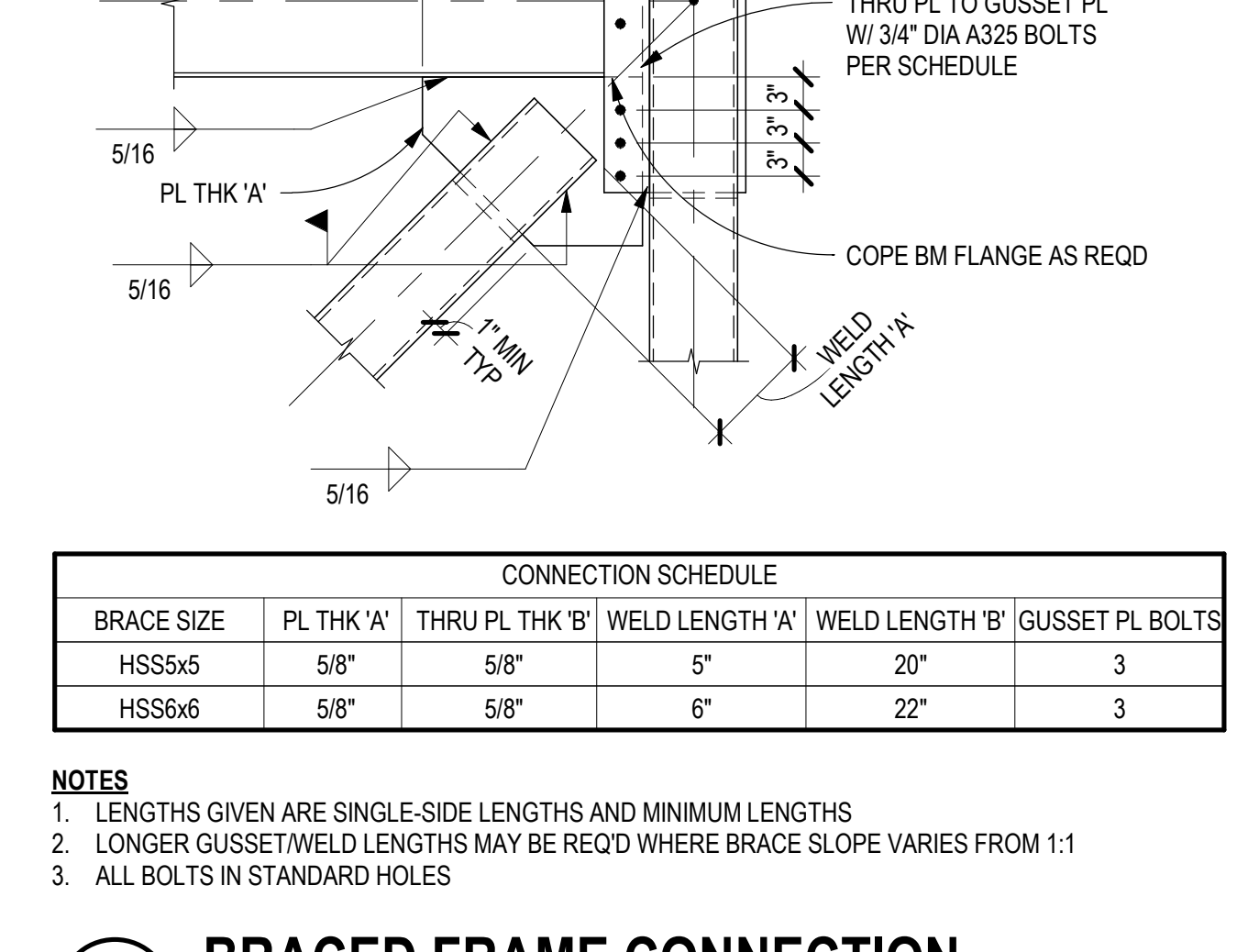
B1 DOUBLE HSS STITCH DETAIL
SCALE: 3/4" = 1'-0"



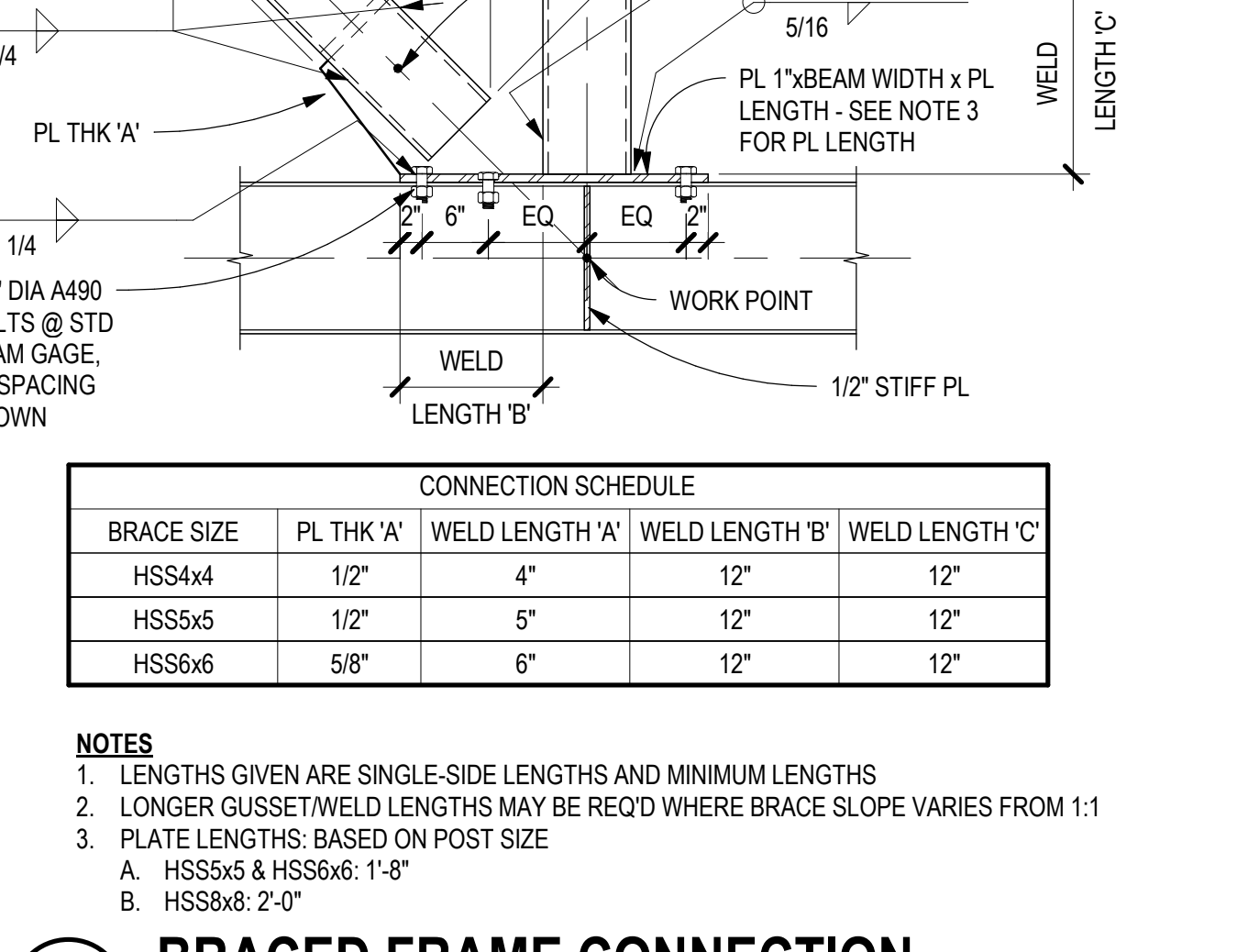
B2 LOW ROOF MOMENT CONNECTION
SCALE: 3/4" = 1'-0"



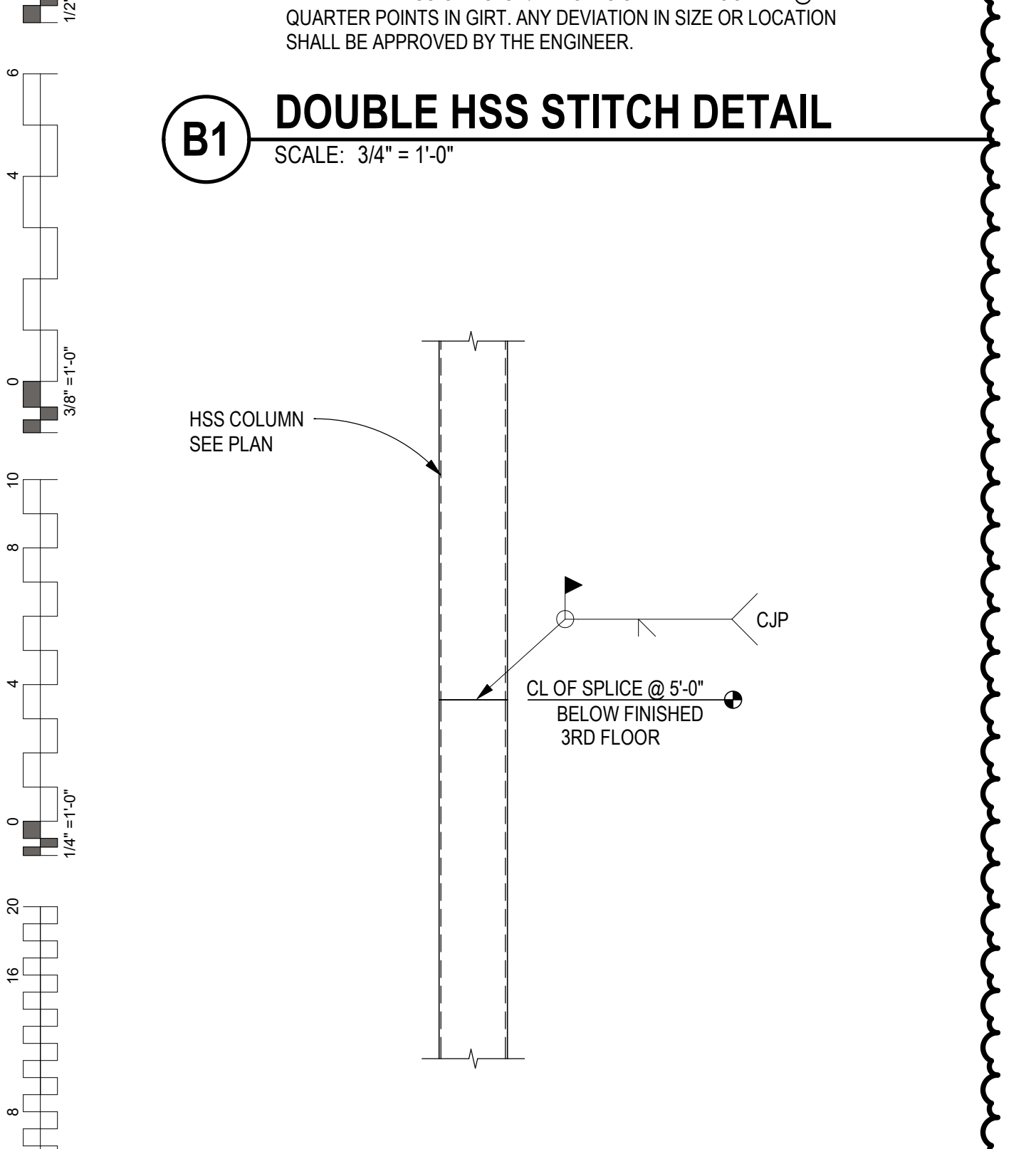
B3 LOW ROOF MOMENT CONNECTION
SCALE: 3/4" = 1'-0"



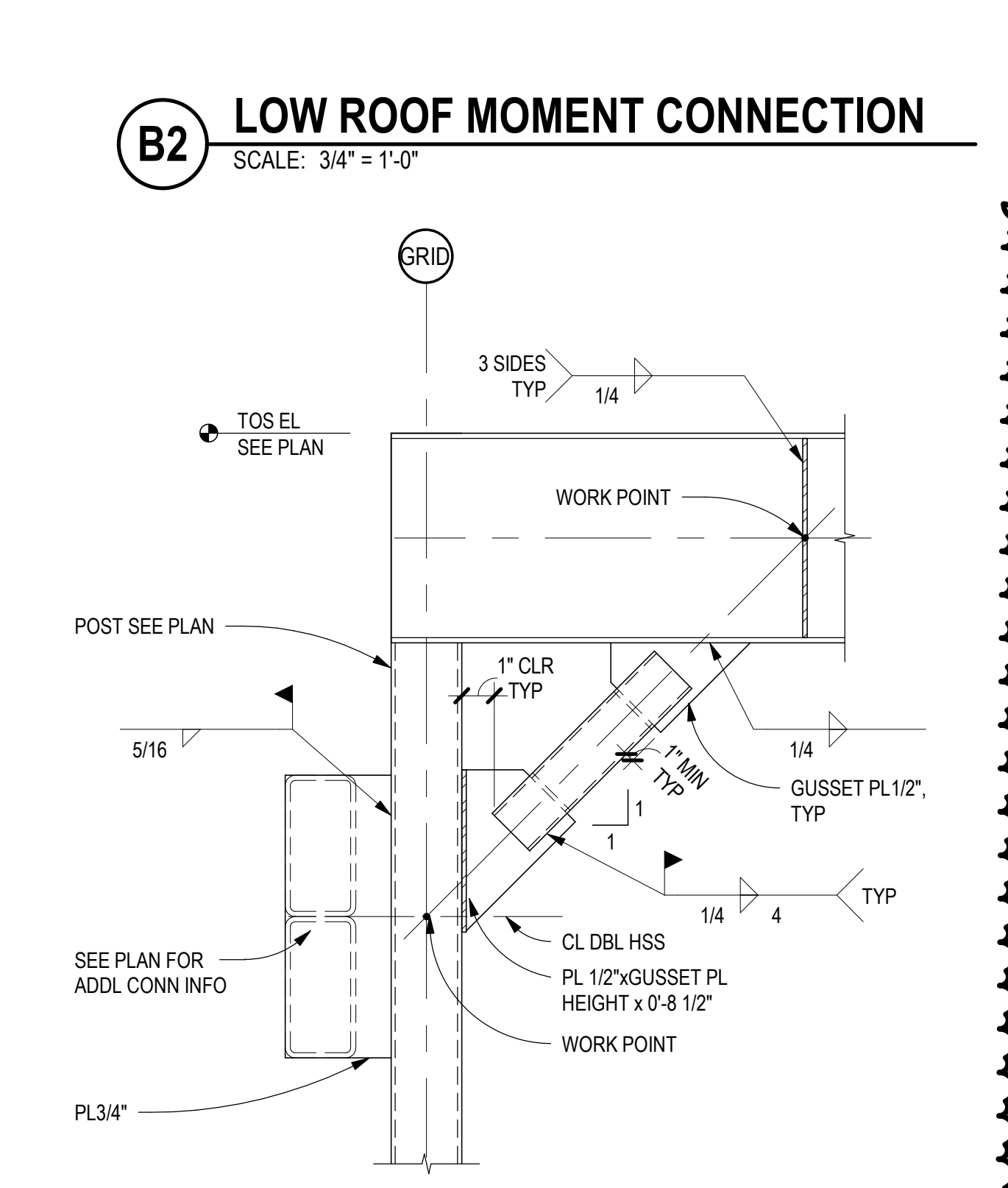
B4 BRACED FRAME CONNECTION
SCALE: 3/4" = 1'-0"



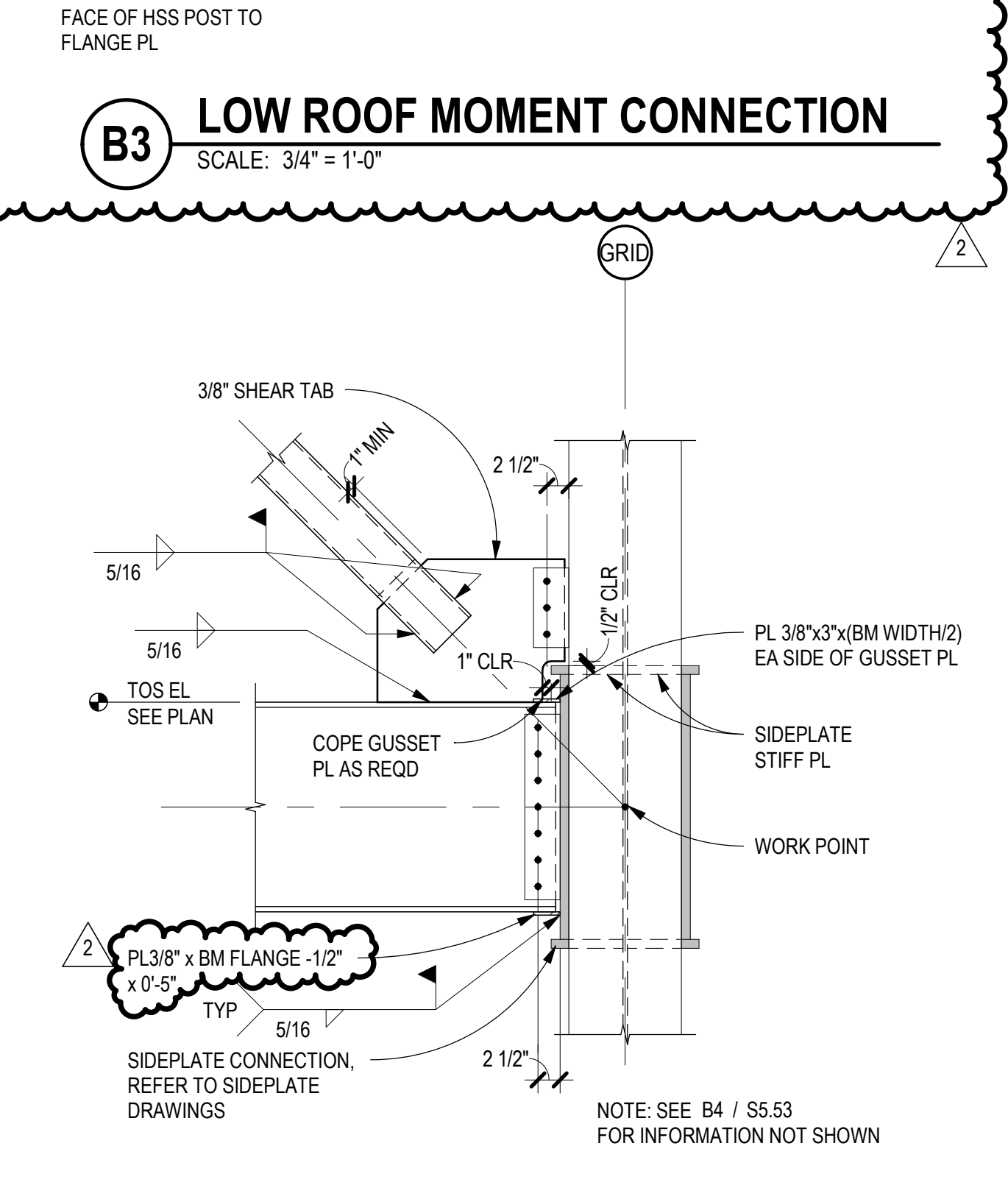
B5 BRACED FRAME CONNECTION
SCALE: 3/4" = 1'-0"



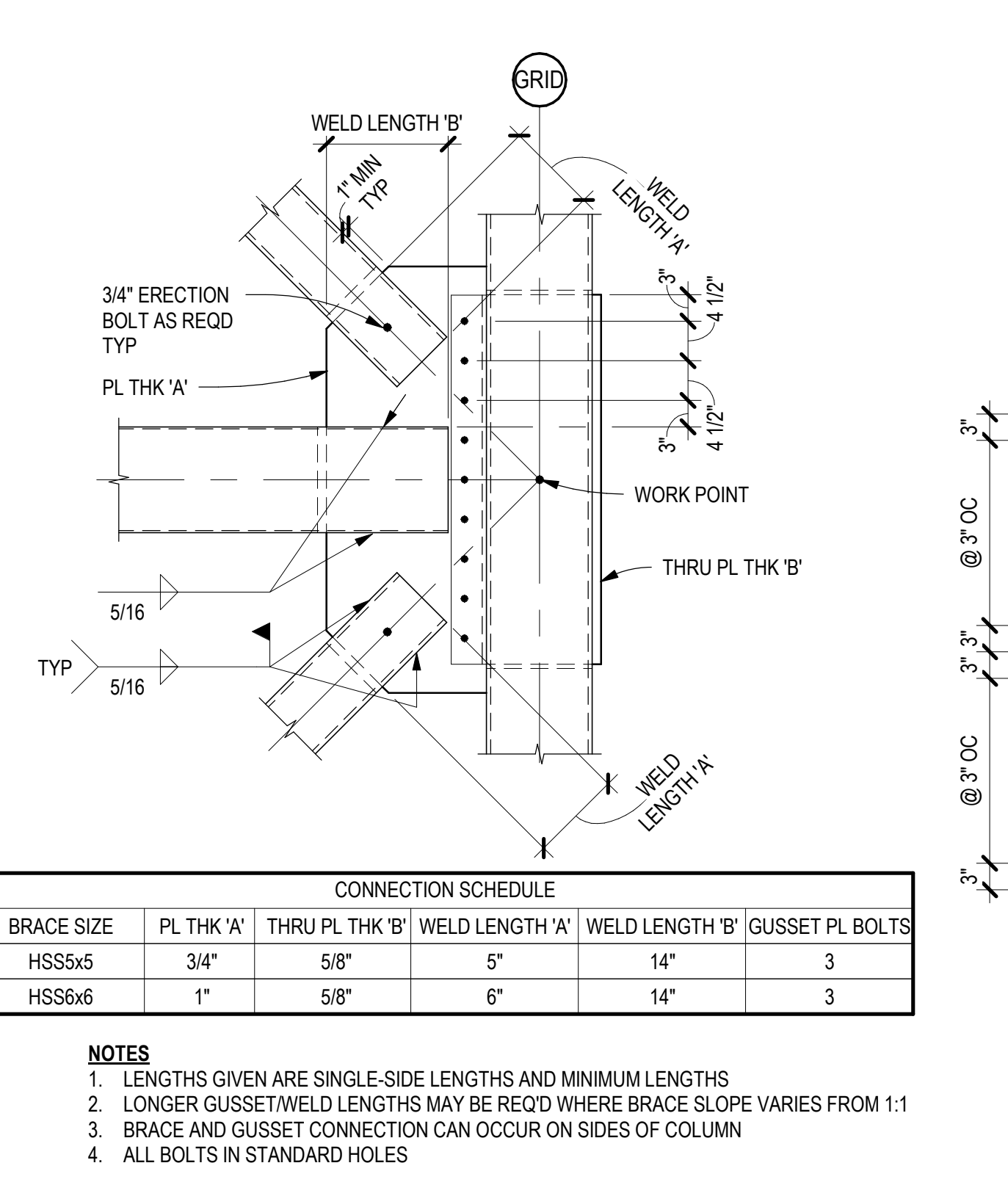
A1 HSS COLUMN SPLICE
SCALE: 3/4" = 1'-0"



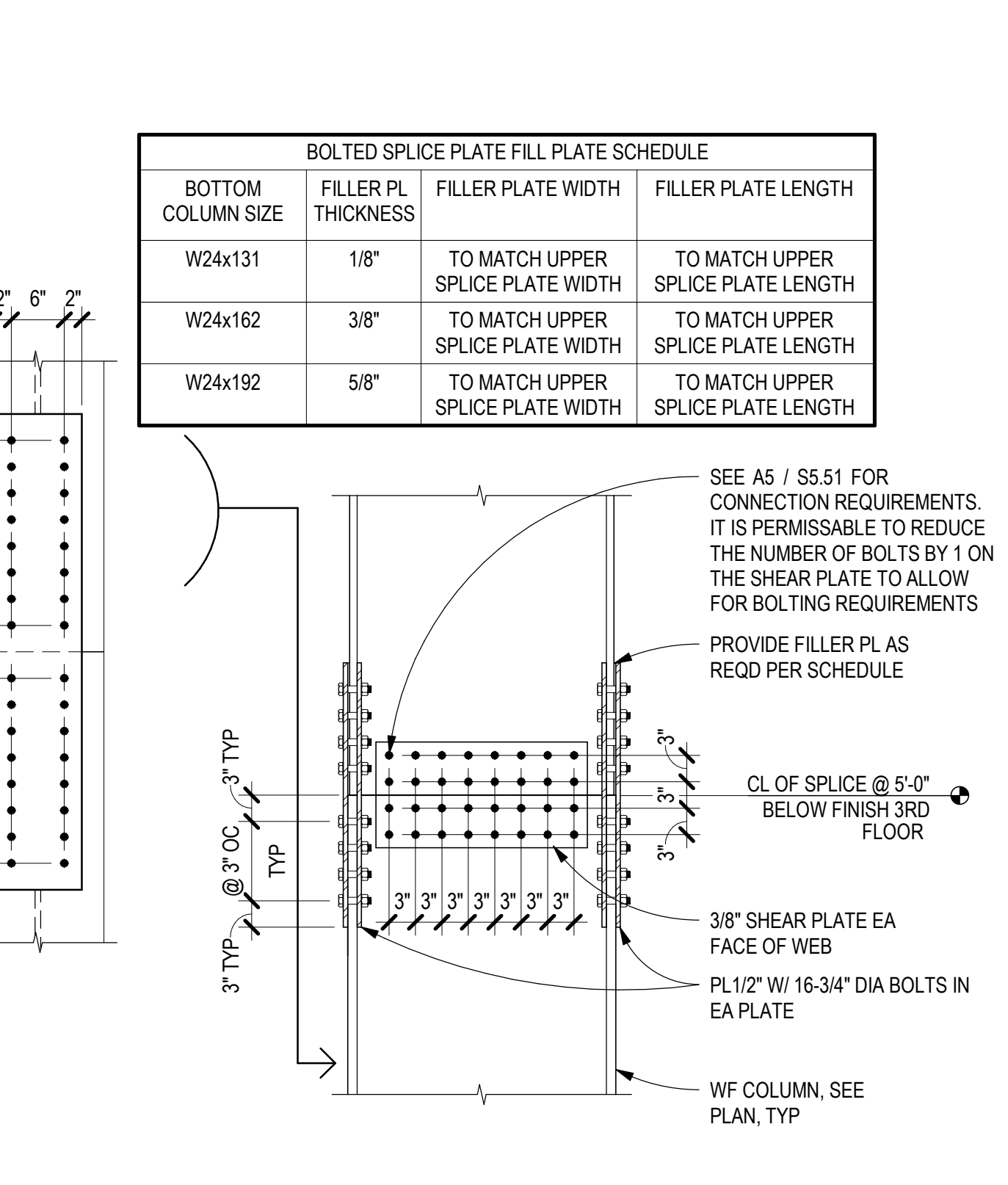
A2 VERTICAL BRACE AT HSS COLUMN
SCALE: 3/4" = 1'-0"



A3 BRACE PERP TO SIDEPLATE CONN
SCALE: 3/4" = 1'-0"



A4 BRACED FRAME CONNECTION
SCALE: 3/4" = 1'-0"



A5 BOLTED WF COLUMN SPLICE
SCALE: 3/4" = 1'-0"

CONNECTION SCHEDULE		
BRACE SIZE	PL THK 'A'	WELD LENGTH 'A'
HSS4x4	1/2"	4"

- NOTES**
- LENGTHS GIVEN ARE SINGLE-SIDE LENGTHS AND MINIMUM REQUIRED LENGTHS
 - LONGER GUSSET/WELD LENGTHS MAY BE REQ'D WHERE BRACE SLOPE VARIES FROM 1:1

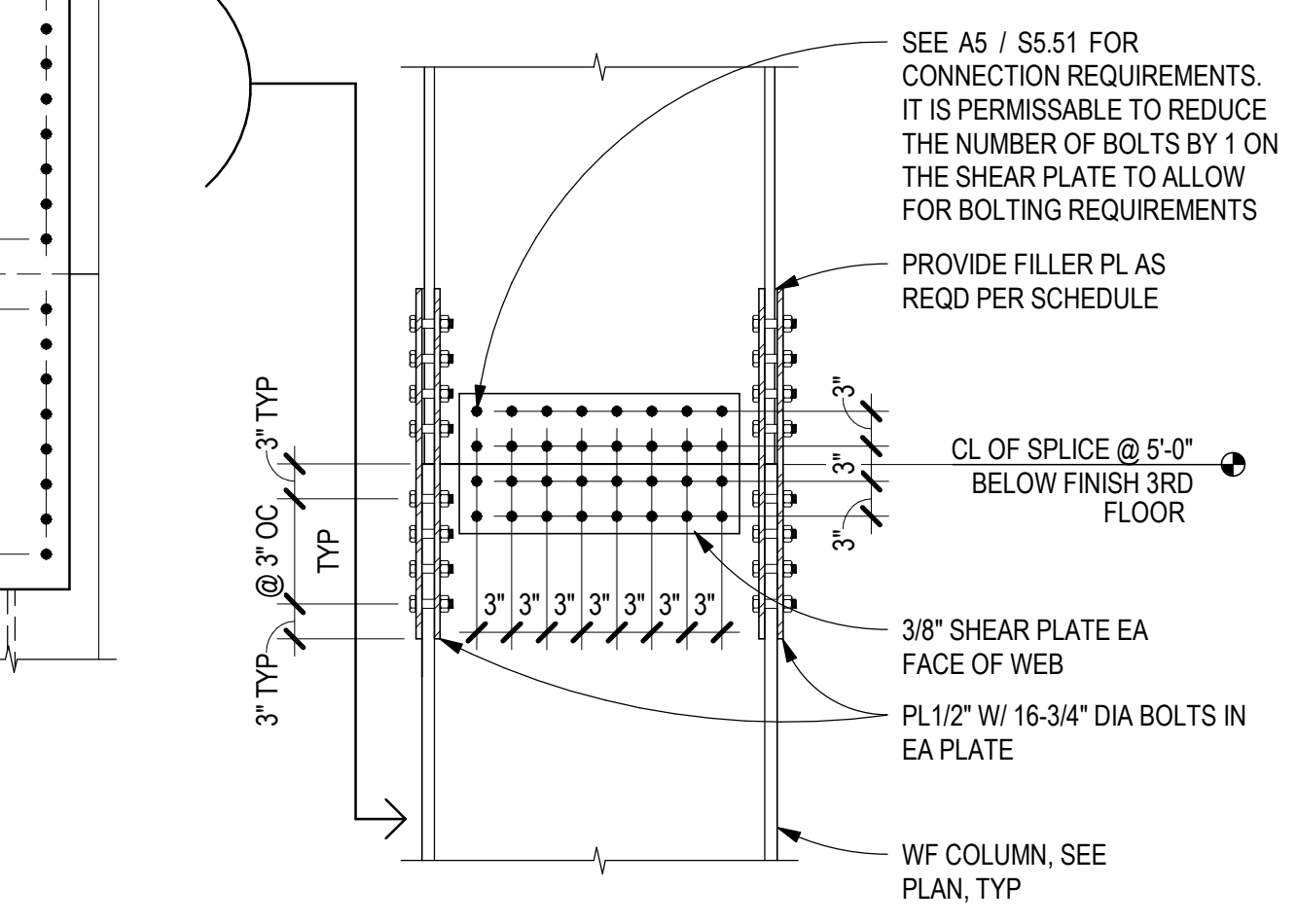
CONNECTION SCHEDULE					
BRACE SIZE	PL THK 'A'	THRU PL THK 'B'	WELD LENGTH 'A'	WELD LENGTH 'B'	GUSSET PL BOLTS
HSS5x5	5/8"	5/8"	5"	20"	3
HSS6x6	5/8"	5/8"	6"	22"	3

- NOTES**
- LENGTHS GIVEN ARE SINGLE-SIDE LENGTHS AND MINIMUM LENGTHS
 - LONGER GUSSET/WELD LENGTHS MAY BE REQ'D WHERE BRACE SLOPE VARIES FROM 1:1
 - ALL BOLTS IN STANDARD HOLES

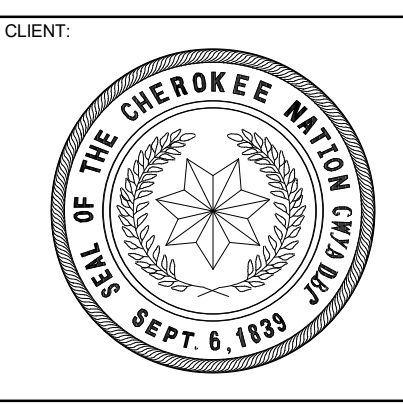
CONNECTION SCHEDULE			
BRACE SIZE	PL THK 'A'	WELD LENGTH 'A'	WELD LENGTH 'B'
HSS4x4	1/2"	4"	12"
HSS5x5	1/2"	5"	12"
HSS6x6	5/8"	6"	12"

- NOTES**
- LENGTHS GIVEN ARE SINGLE-SIDE LENGTHS AND MINIMUM LENGTHS
 - LONGER GUSSET/WELD LENGTHS MAY BE REQ'D WHERE BRACE SLOPE VARIES FROM 1:1
 - PLATE LENGTHS BASED ON POST SIZE
 - HSS5x5 & HSS6x6: 1'-8"
 - HSS8x8: 2'-0"

BOLTED SPLICE PLATE FILL PLATE SCHEDULE			
BOTTOM COLUMN SIZE	FILLER PL THICKNESS	FILLER PLATE WIDTH	FILLER PLATE LENGTH
W24x131	1/8"	TO MATCH UPPER SPLICE PLATE WIDTH	TO MATCH UPPER SPLICE PLATE LENGTH
W24x162	3/8"	TO MATCH UPPER SPLICE PLATE WIDTH	TO MATCH UPPER SPLICE PLATE LENGTH
W24x192	5/8"	TO MATCH UPPER SPLICE PLATE WIDTH	TO MATCH UPPER SPLICE PLATE LENGTH



A5 BOLTED WF COLUMN SPLICE
SCALE: 3/4" = 1'-0"



KEY PLAN

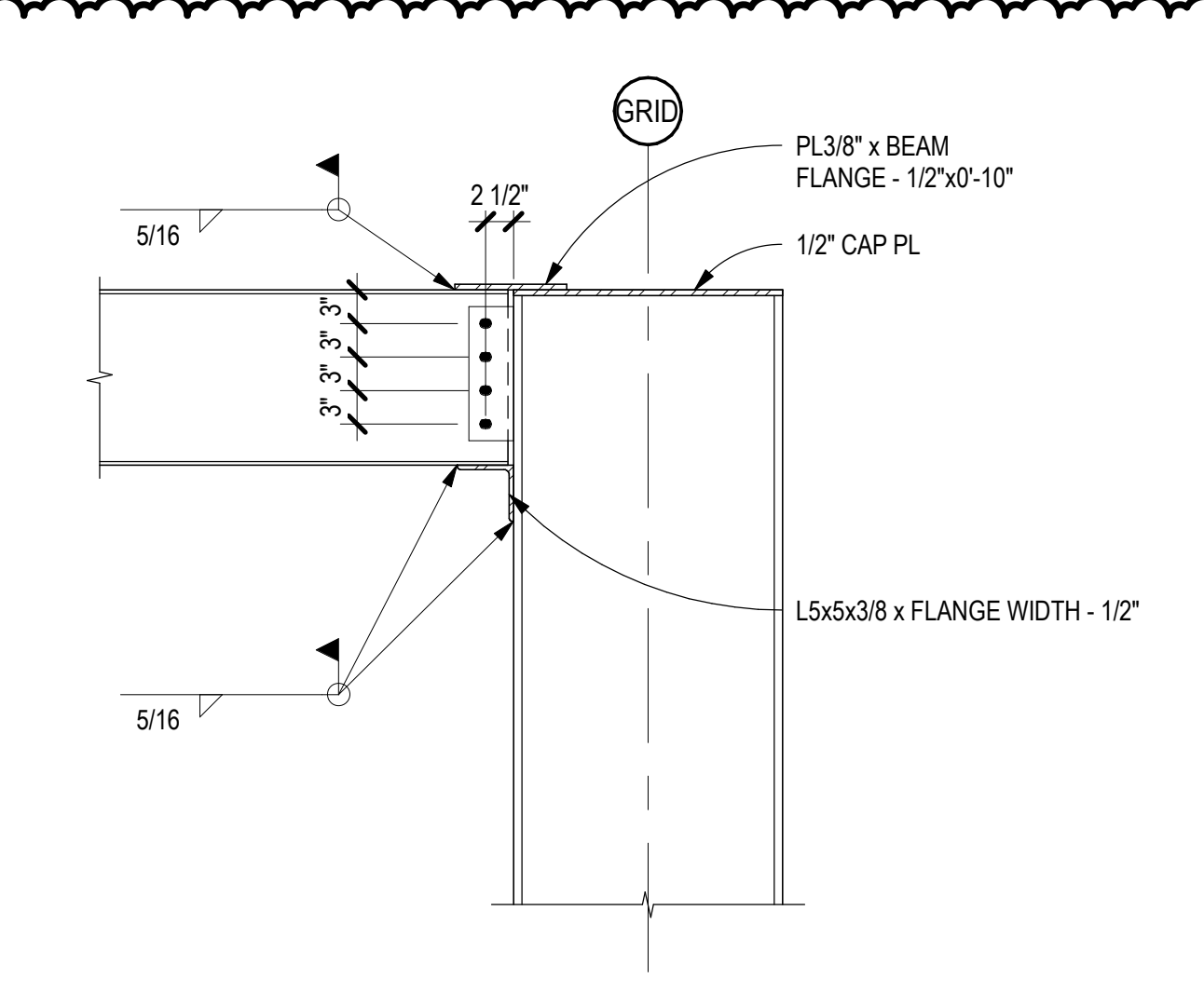
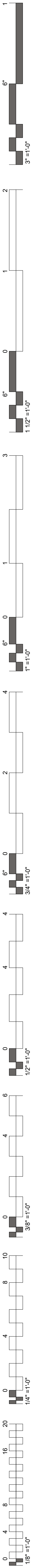
PROJECT PHASE: BID PACKAGE 04

#	DATE	REVISIONS	DESCRIPTION
1	05-10-19	BID PACKAGE 04	ADD 05

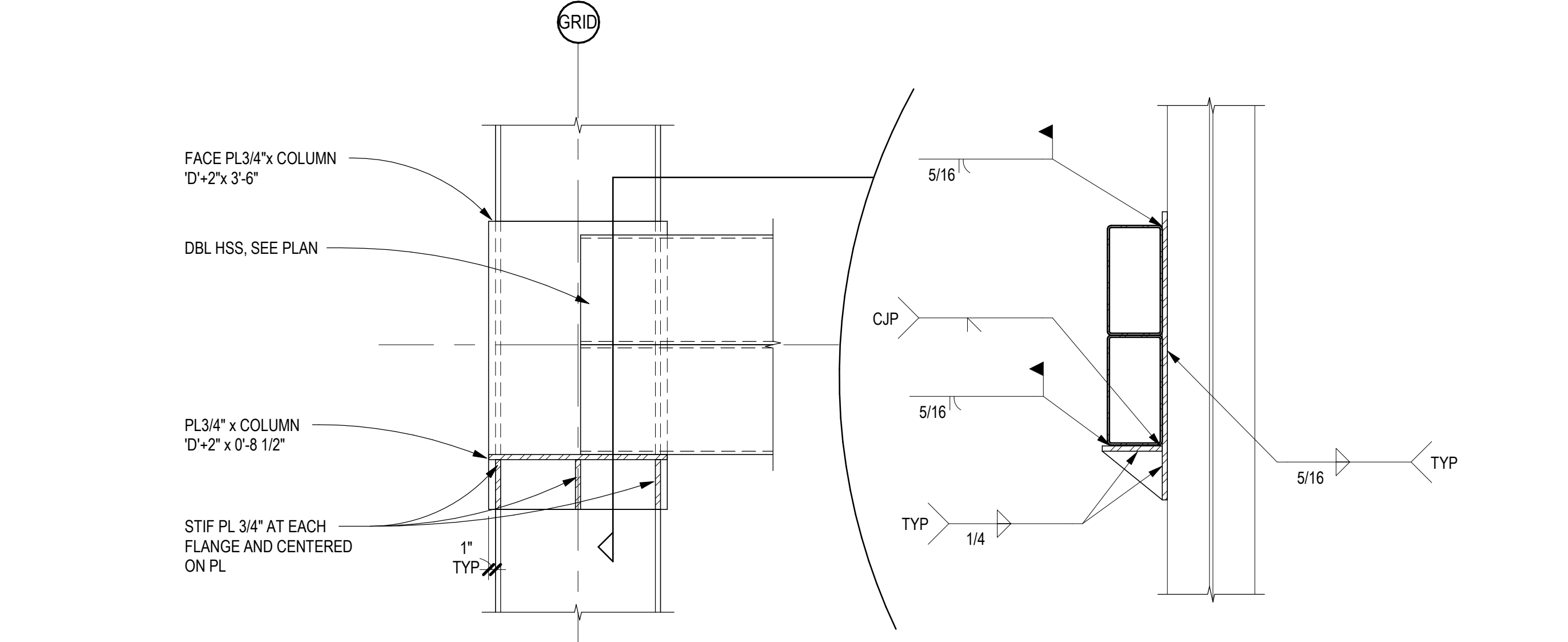
DATE: 05-10-19 JOB NUMBER: 17-13

SHEET NUMBER: S5.53

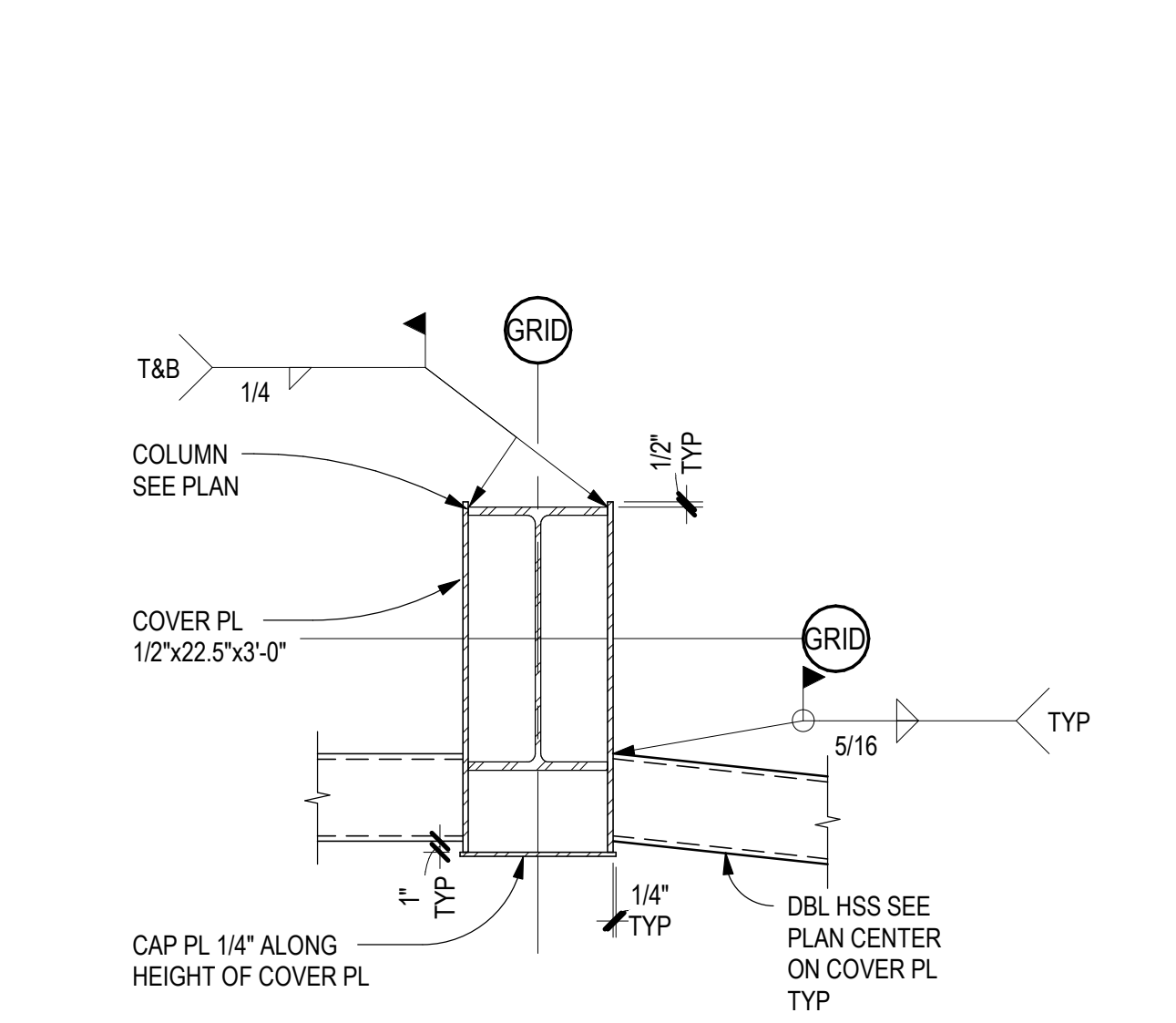
STEEL DETAILS



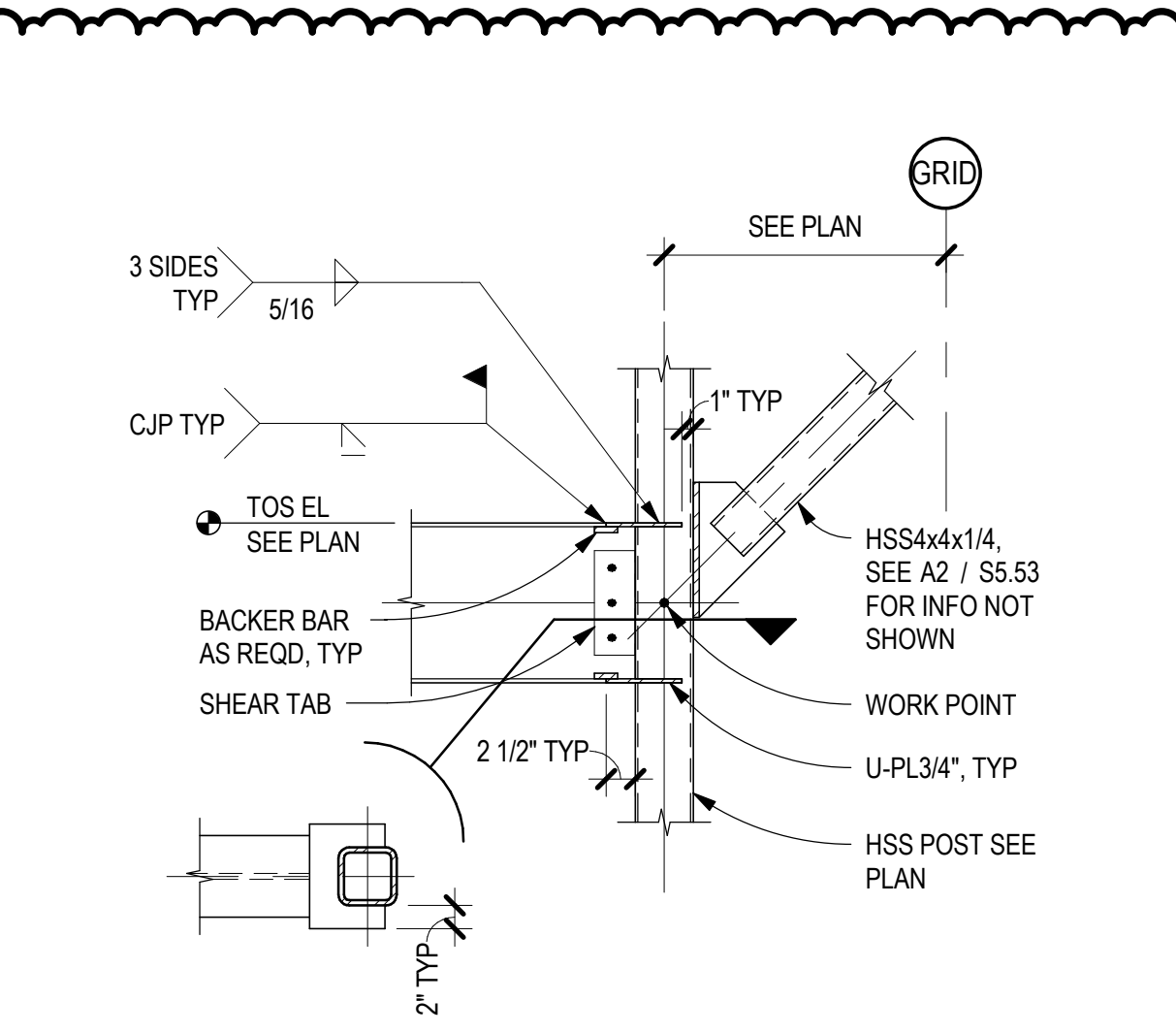
D2 BRACED FRAME CONNECTION
SCALE: 3/4" = 1'-0"



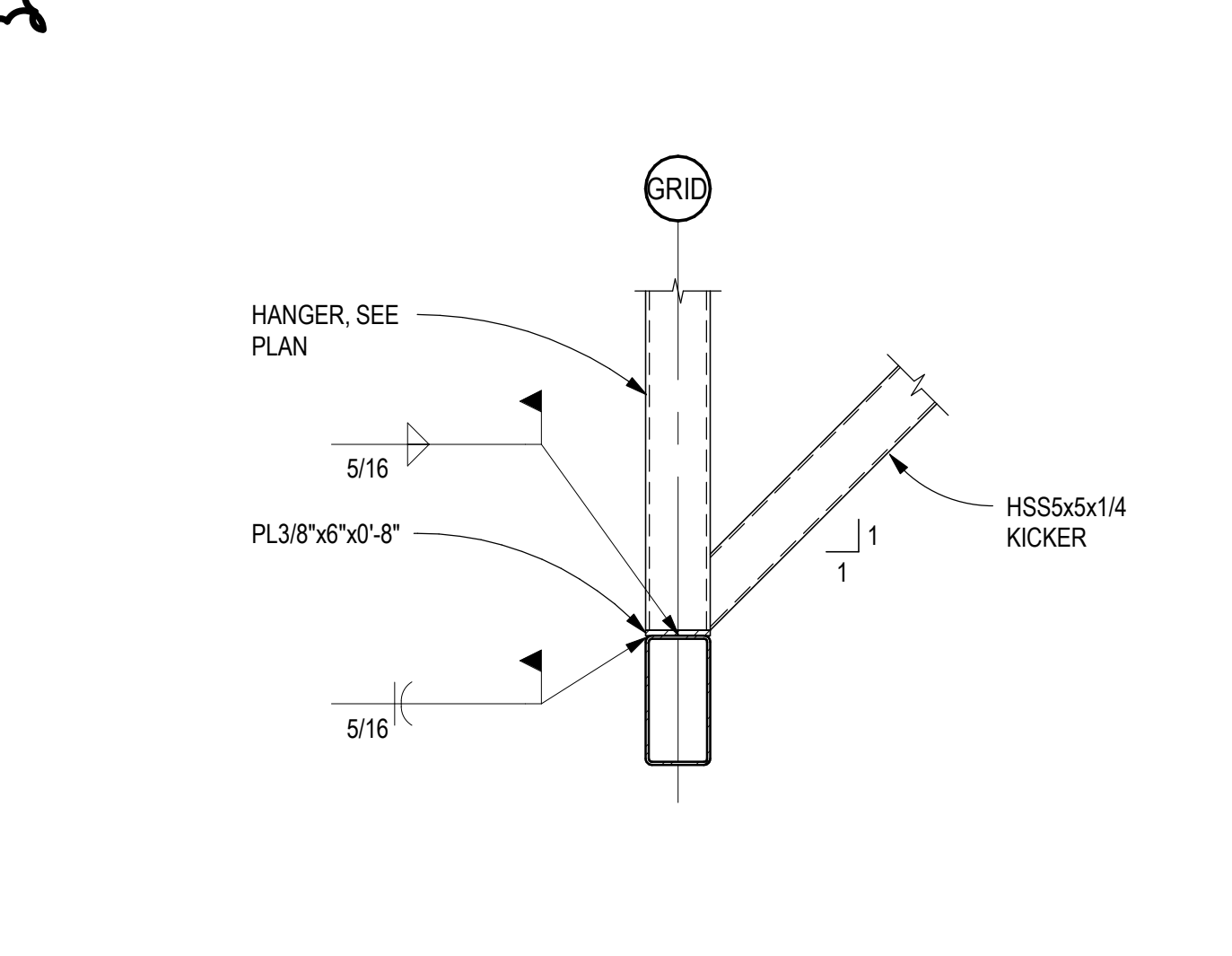
D3 WIND GIRT DETAIL
SCALE: 3/4" = 1'-0"



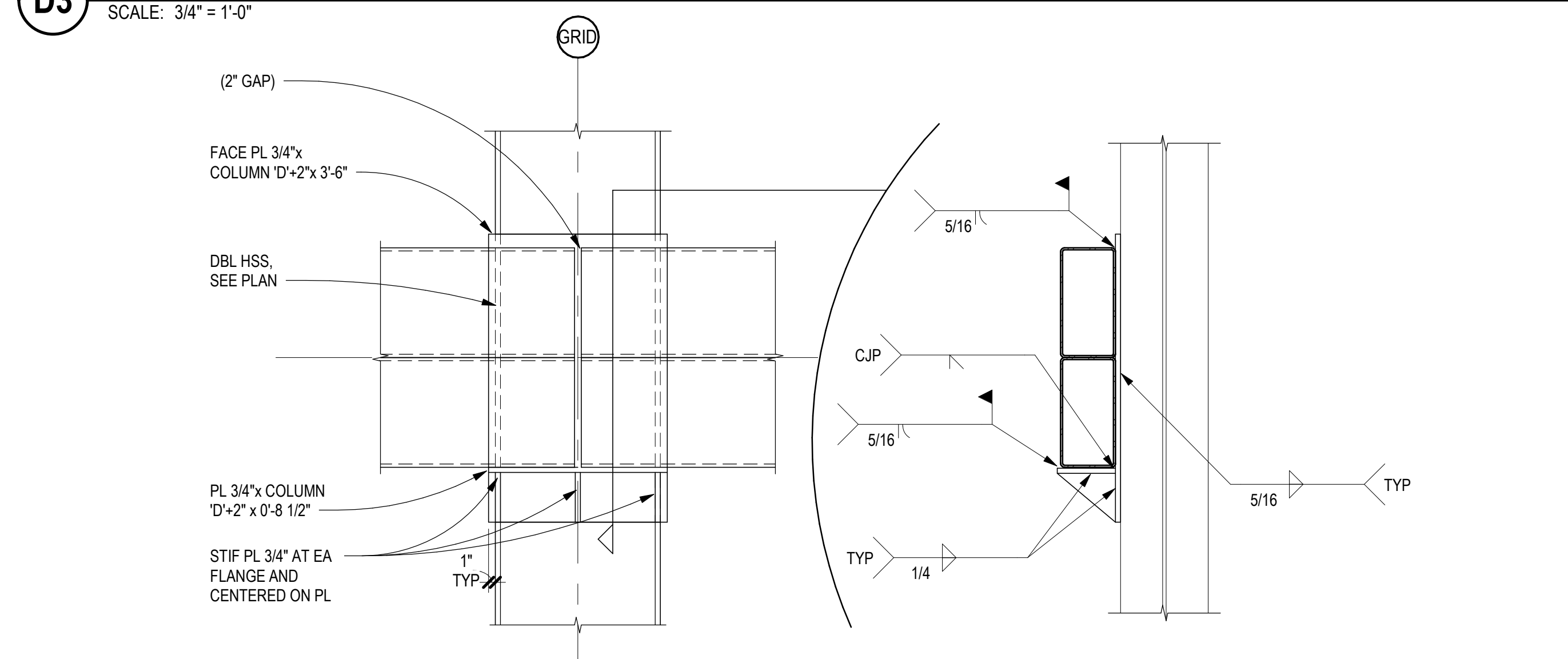
D5 GIRT AT COLUMN
SCALE: 3/4" = 1'-0"



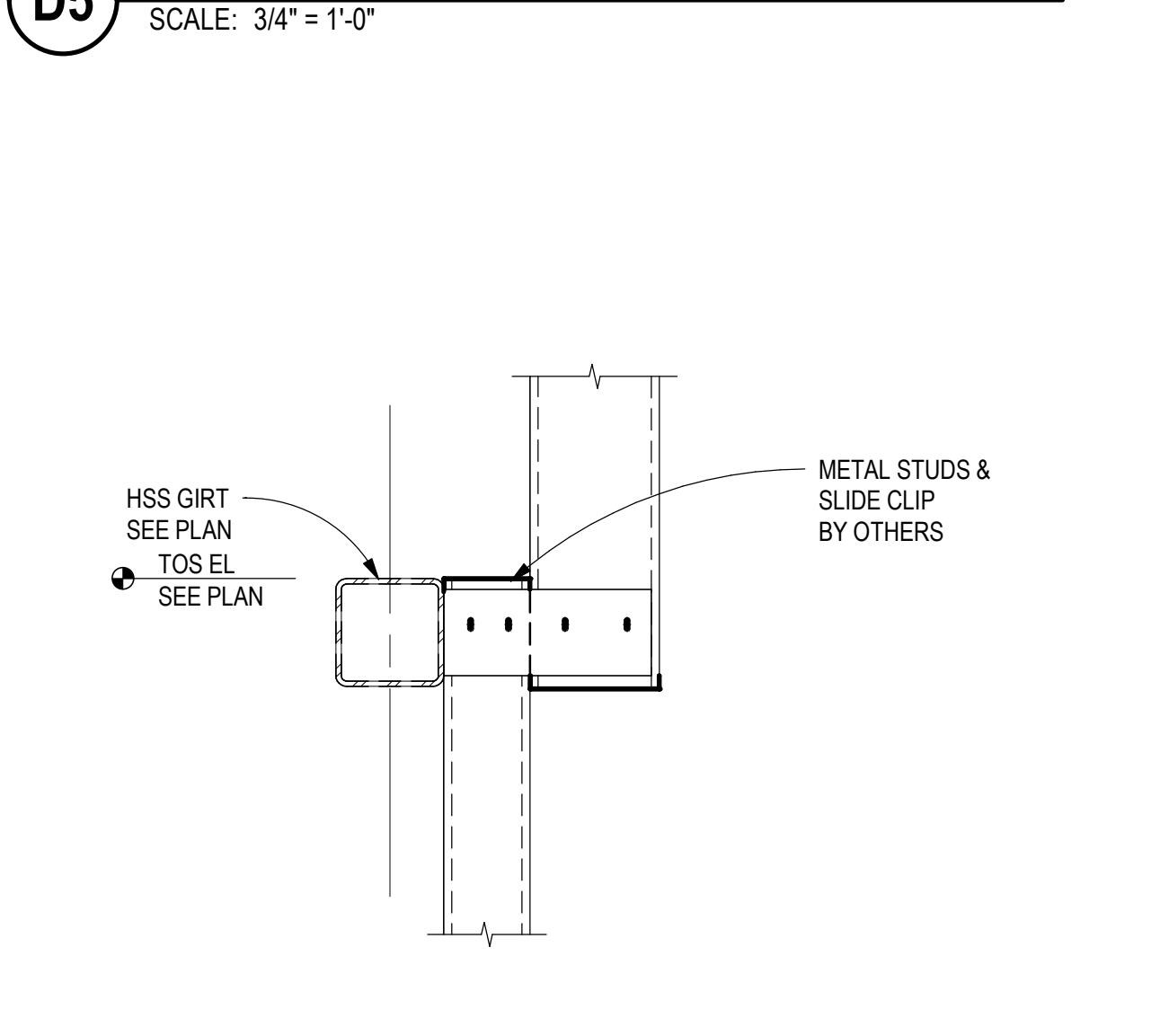
C1 MOMENT CONN AT POST
SCALE: 3/4" = 1'-0"



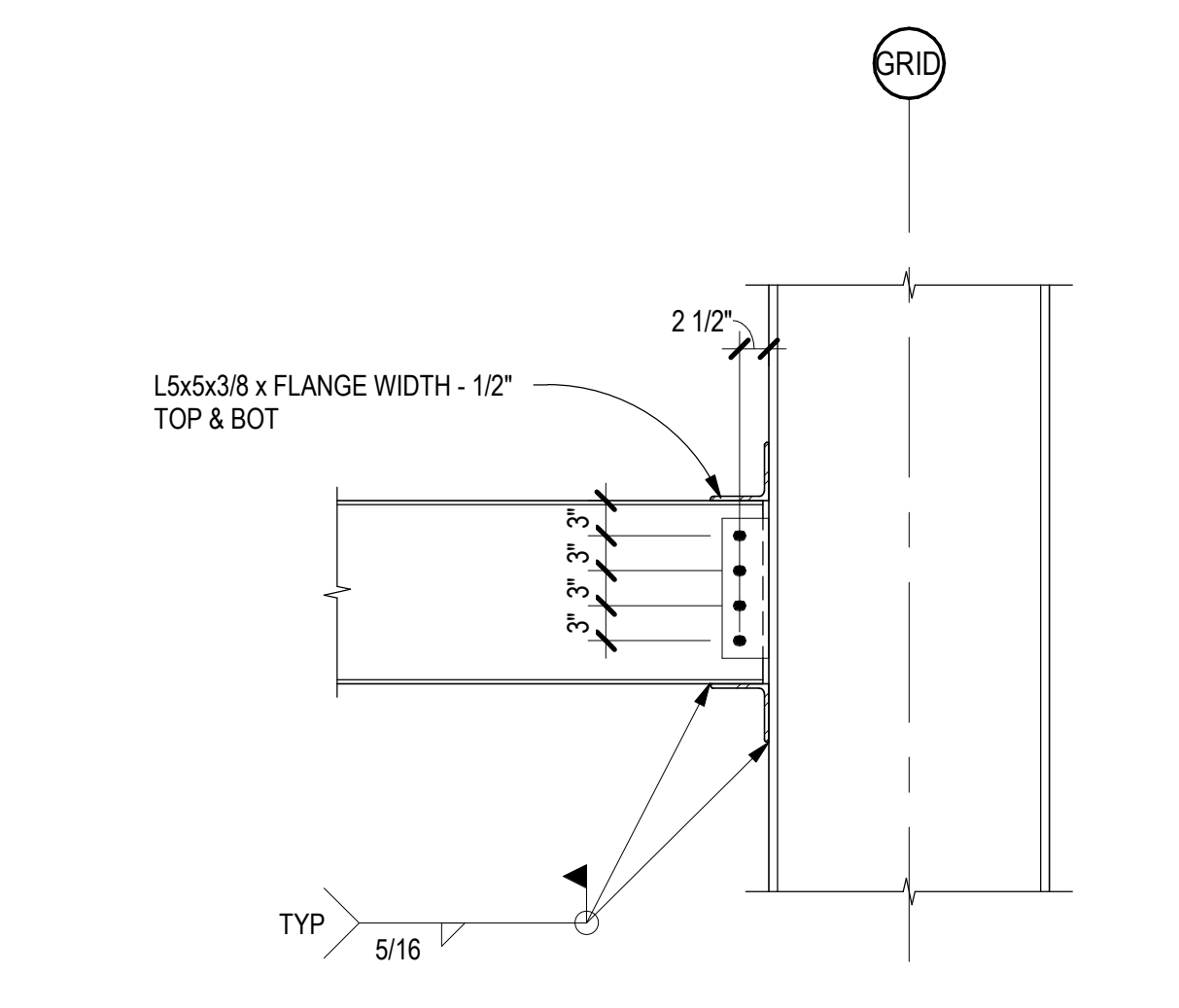
C2 HSS HANGER TO HSS BEAM CONN
SCALE: 3/4" = 1'-0"



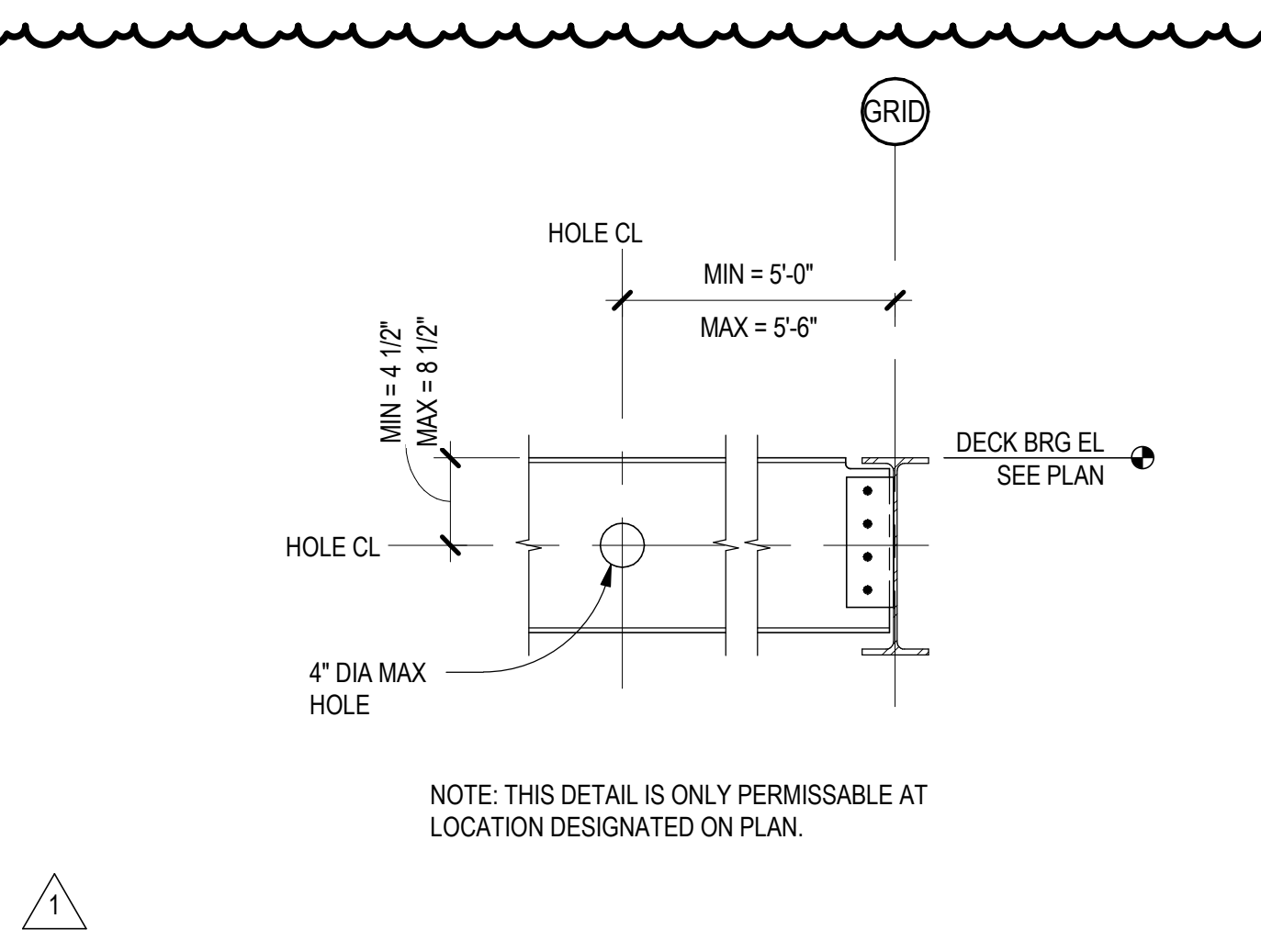
C3 WIND GIRT DETAIL
SCALE: 3/4" = 1'-0"



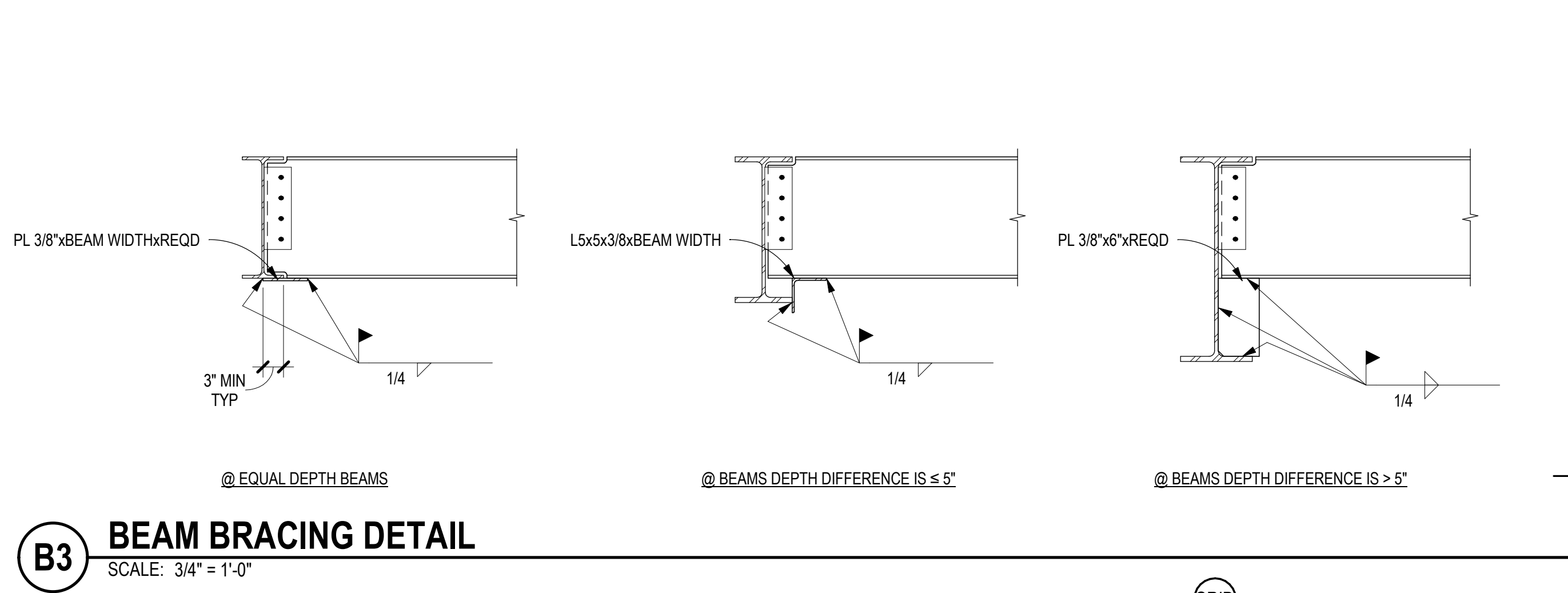
C5 SLIDE CLIP DETAIL
SCALE: 3/4" = 1'-0"



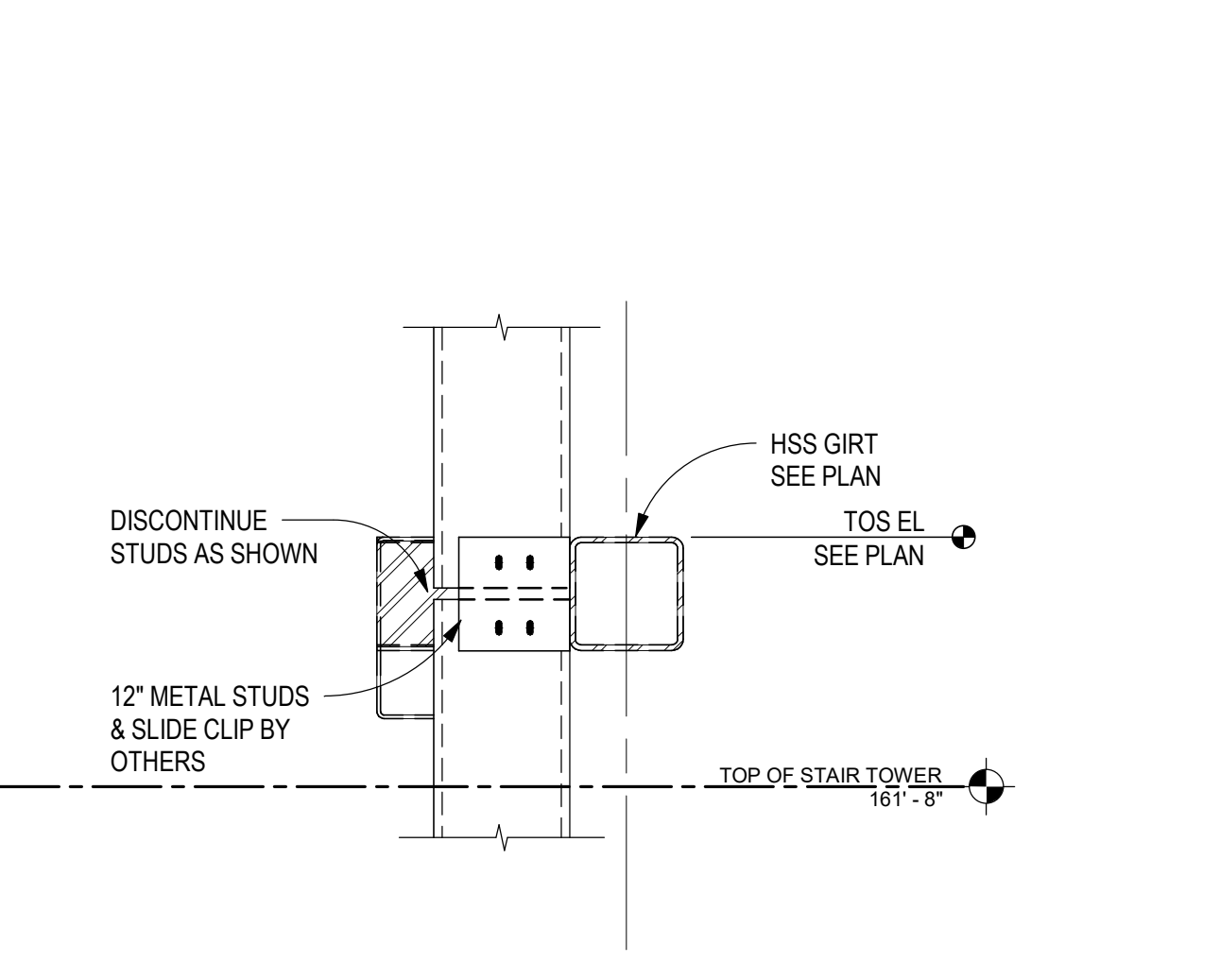
B1 BEAM TO COLUMN CONNECTION
SCALE: 3/4" = 1'-0"



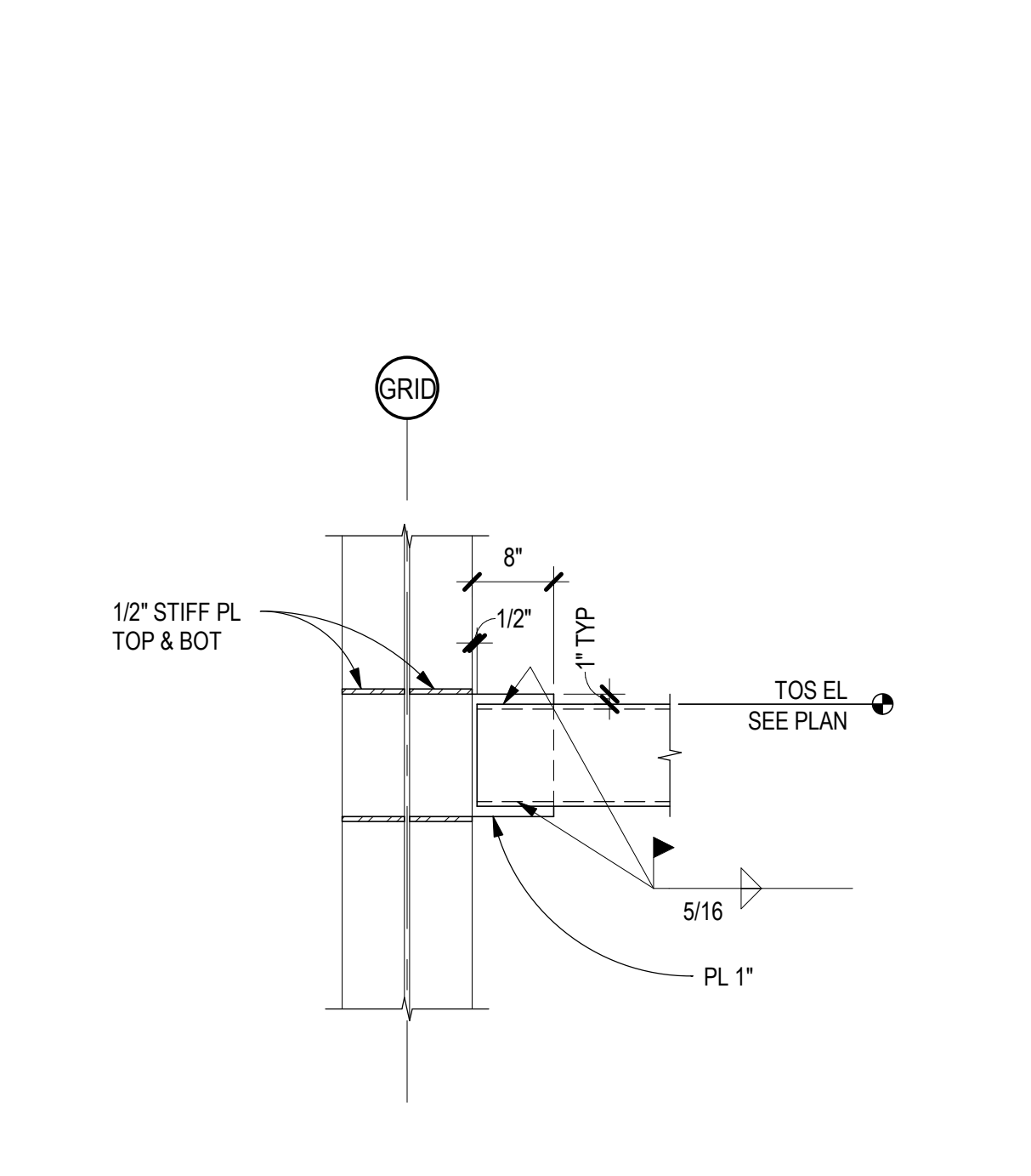
B2 TYPICAL BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



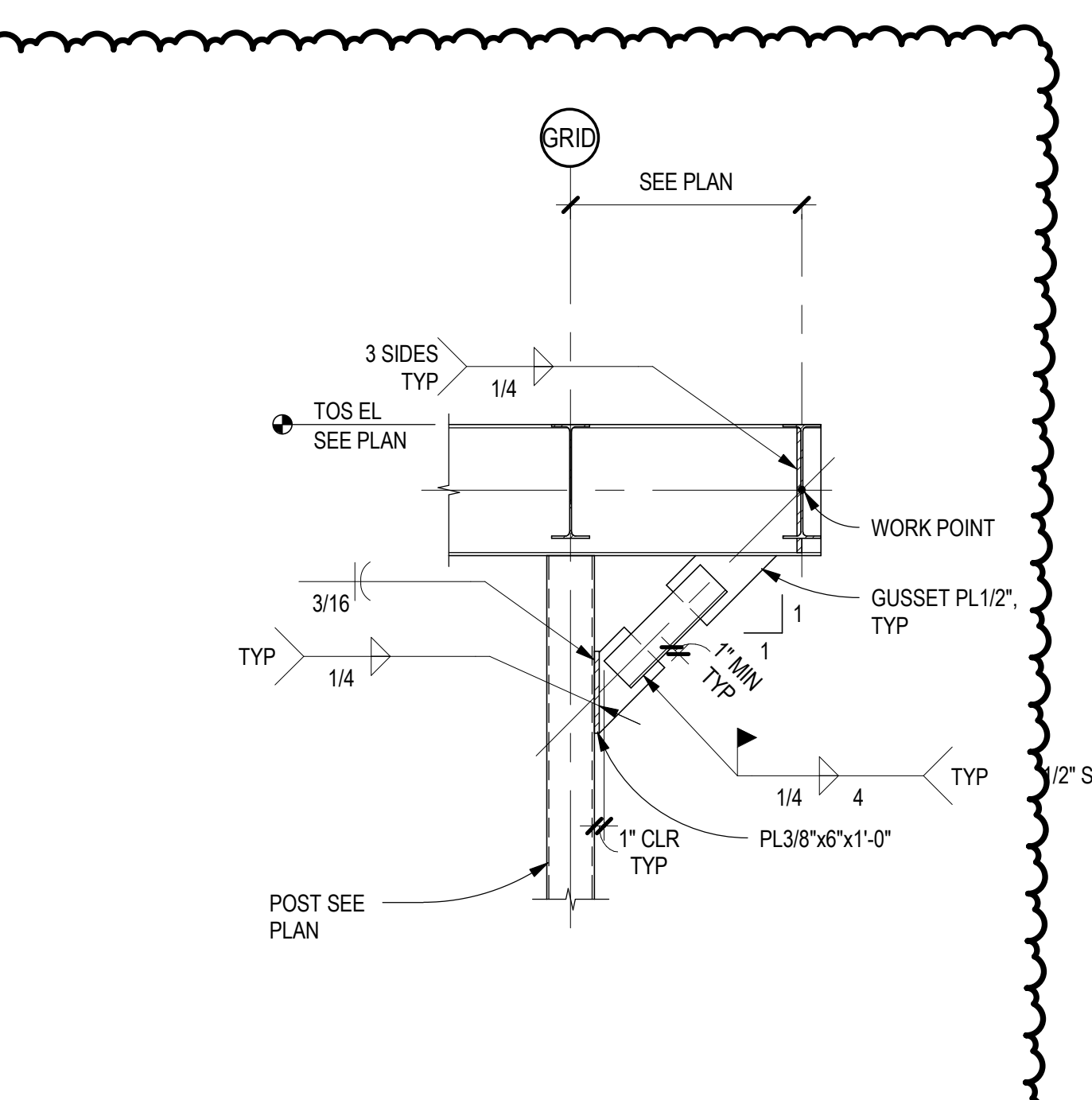
B3 BEAM BRACING DETAIL
SCALE: 3/4" = 1'-0"



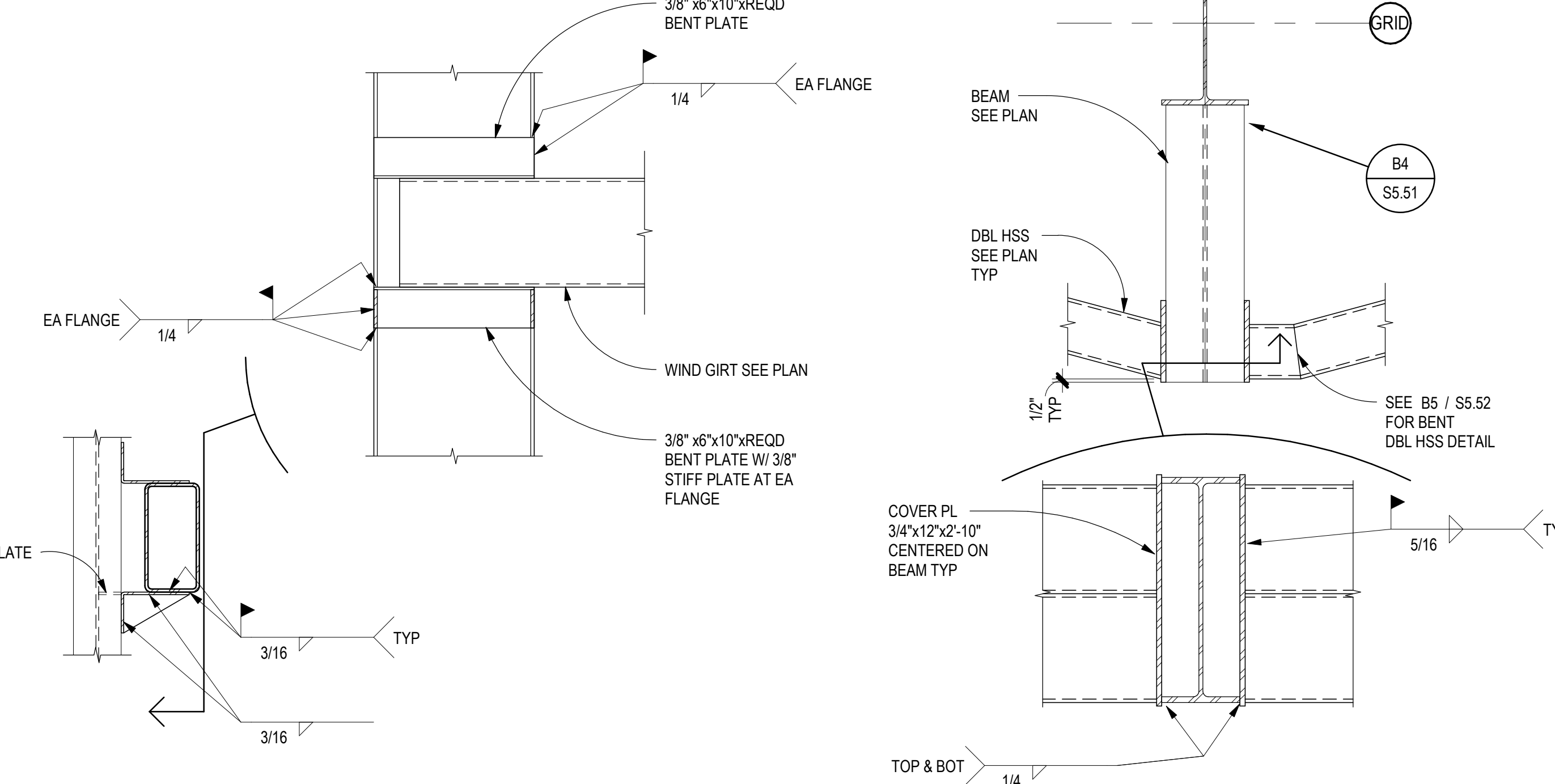
B5 SLIDE CLIP DETAIL
SCALE: 3/4" = 1'-0"



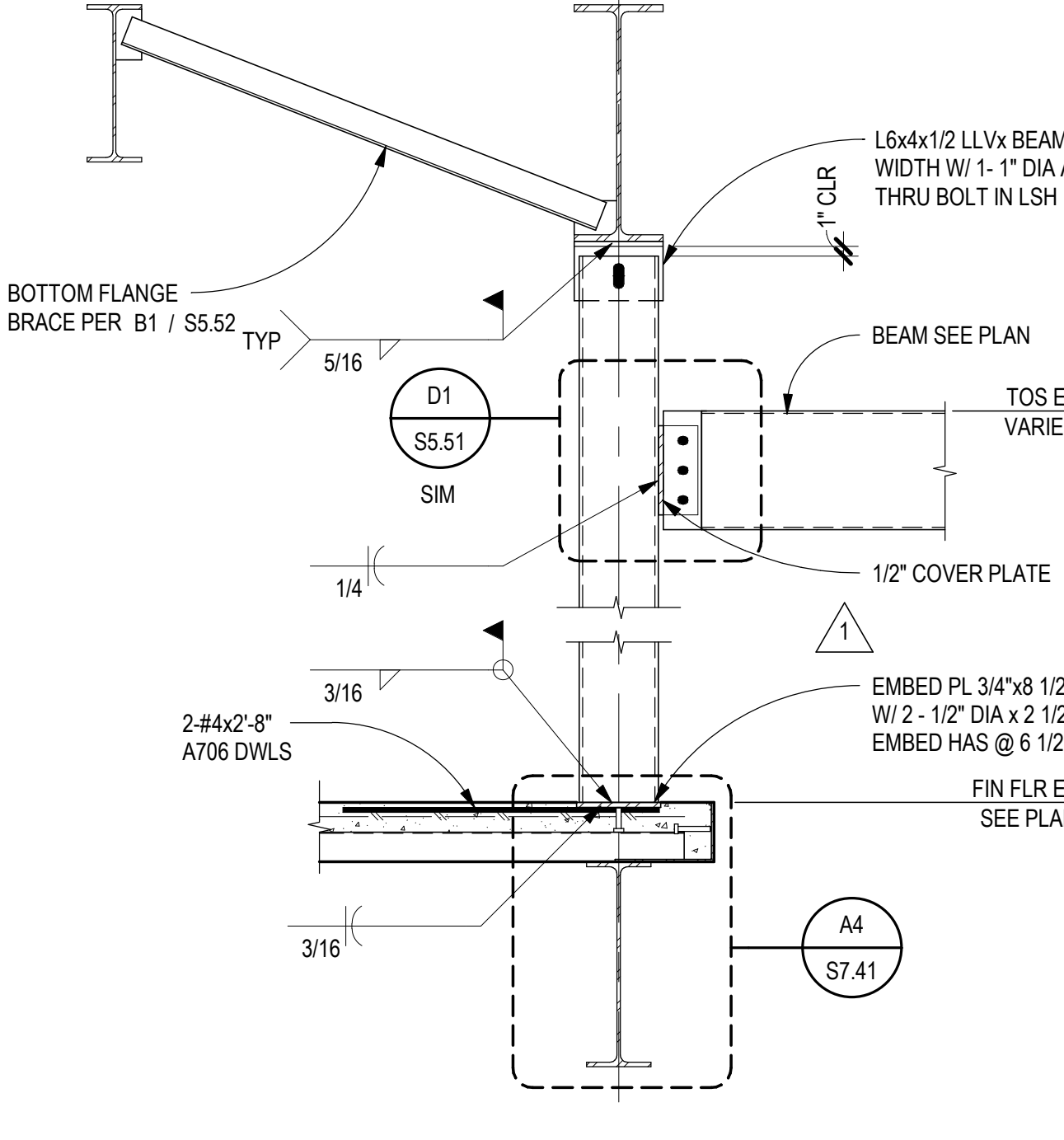
A1 BEAM TO COLUMN FLANGE CONN
SCALE: 3/4" = 1'-0"



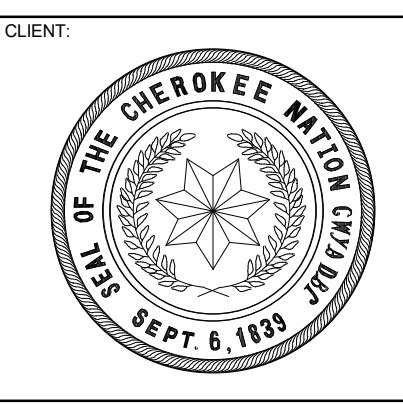
A2 VERTICAL BRACE AT HSS COLUMN
SCALE: 3/4" = 1'-0"



A3 HSS BEAM TO COLUMN FLANGE
SCALE: 3/4" = 1'-0"



A5 FLOOR POST DETAIL
SCALE: 3/4" = 1'-0"



KEY PLAN:

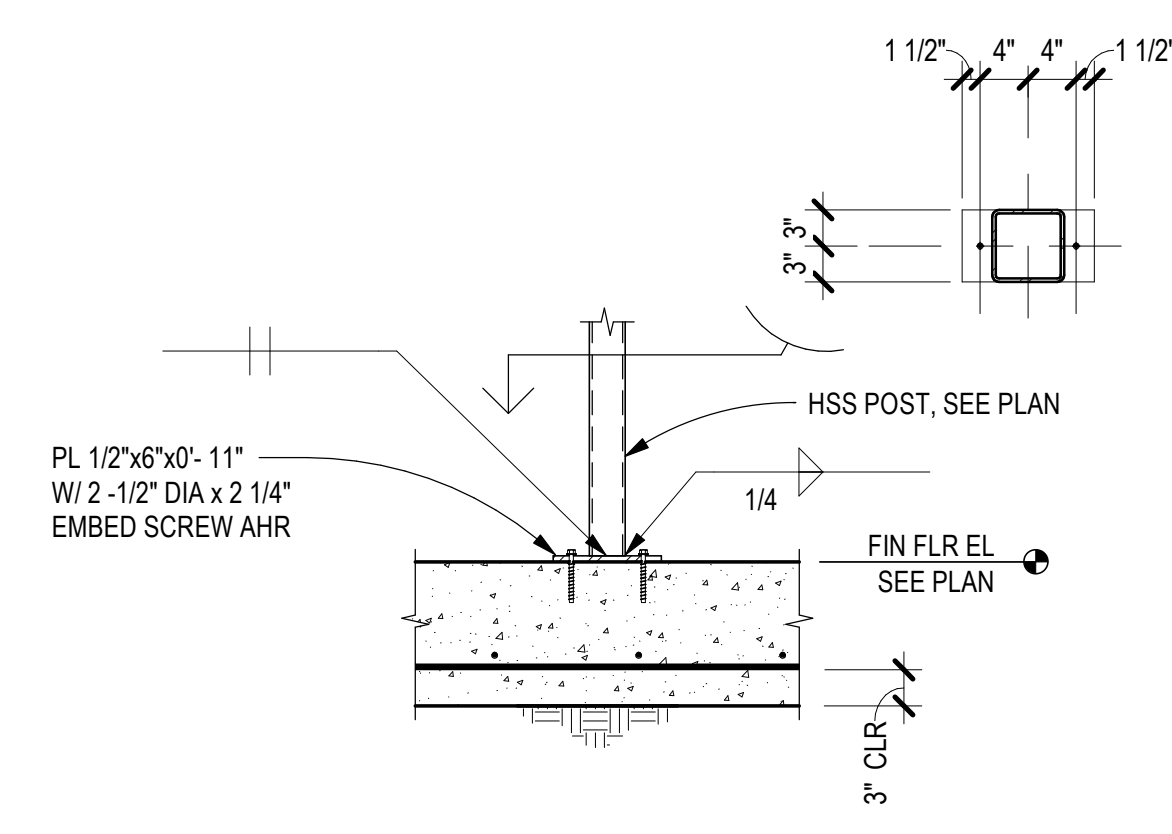
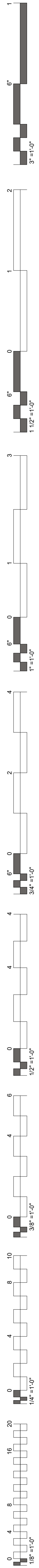
PROJECT PHASE:
BID PACKAGE 04

#	DATE	REVISIONS	DESCRIPTION
1	6/17/19	BID PACKAGE 04 A&B 02	
2	8/9/19	BID PACKAGE 04 A&B 05	

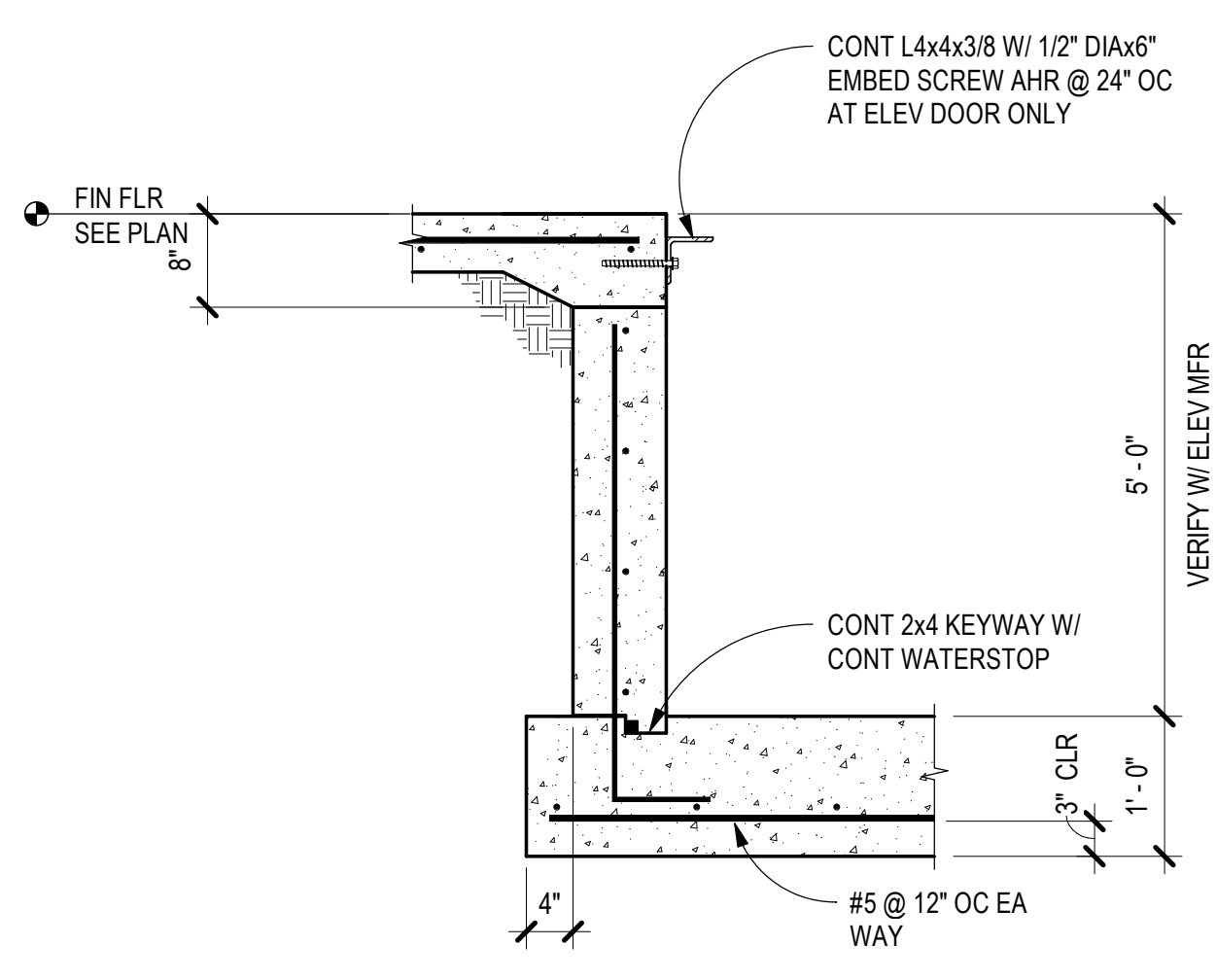
DATE: 05-10-19
JOB NUMBER: 17-13

SHEET NUMBER:
S5.54

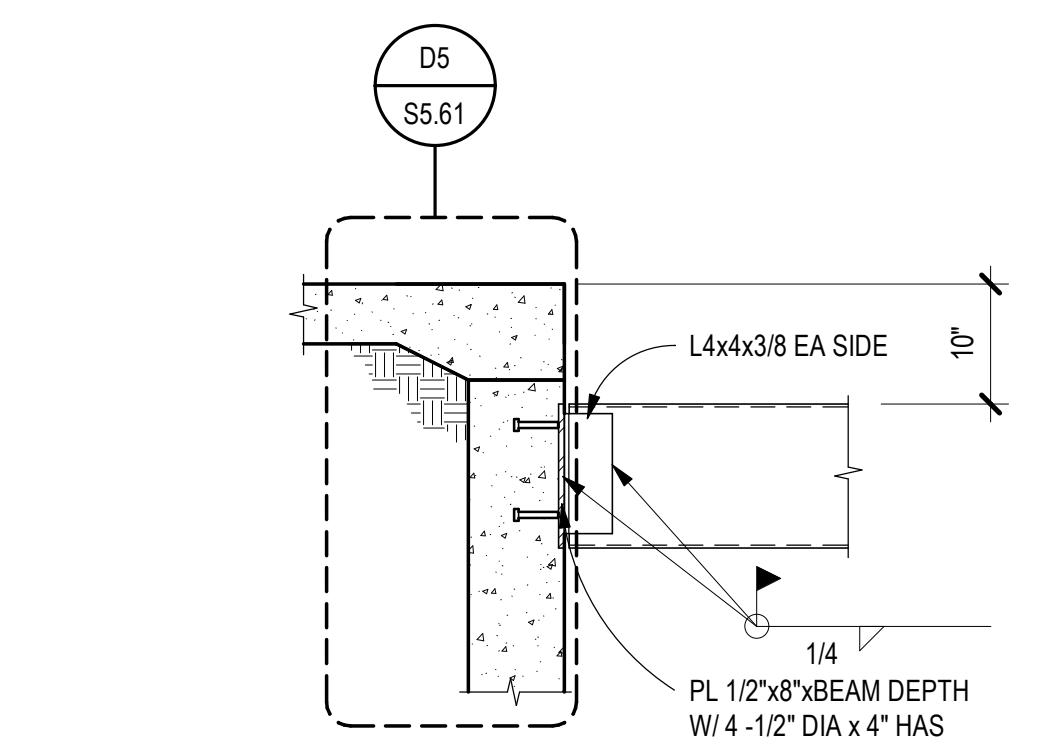
STEEL DETAILS



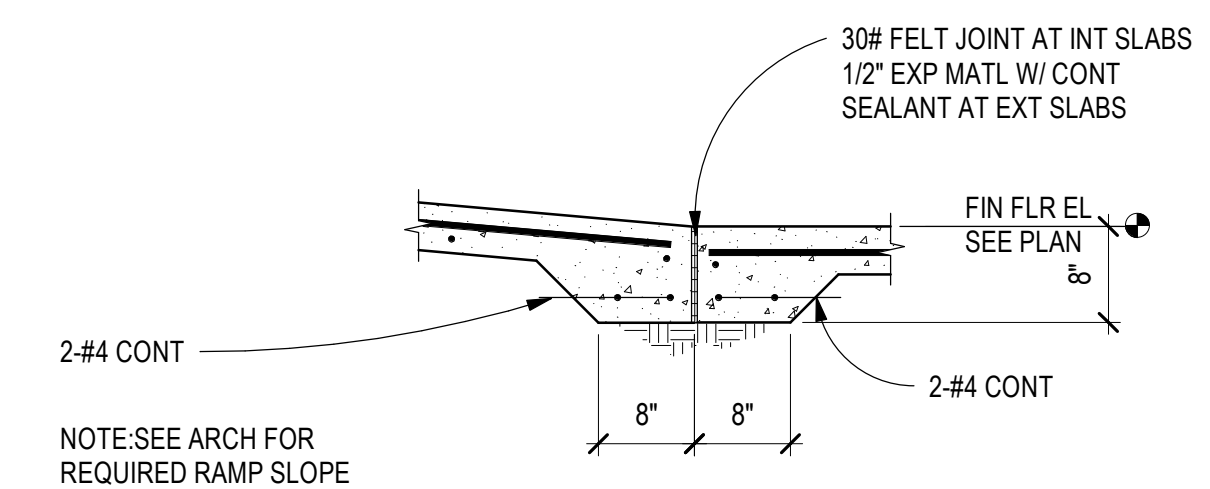
D4 INT COLUMN AT ELEVATOR PIT SLAB
SCALE: 3/4" = 1'-0"



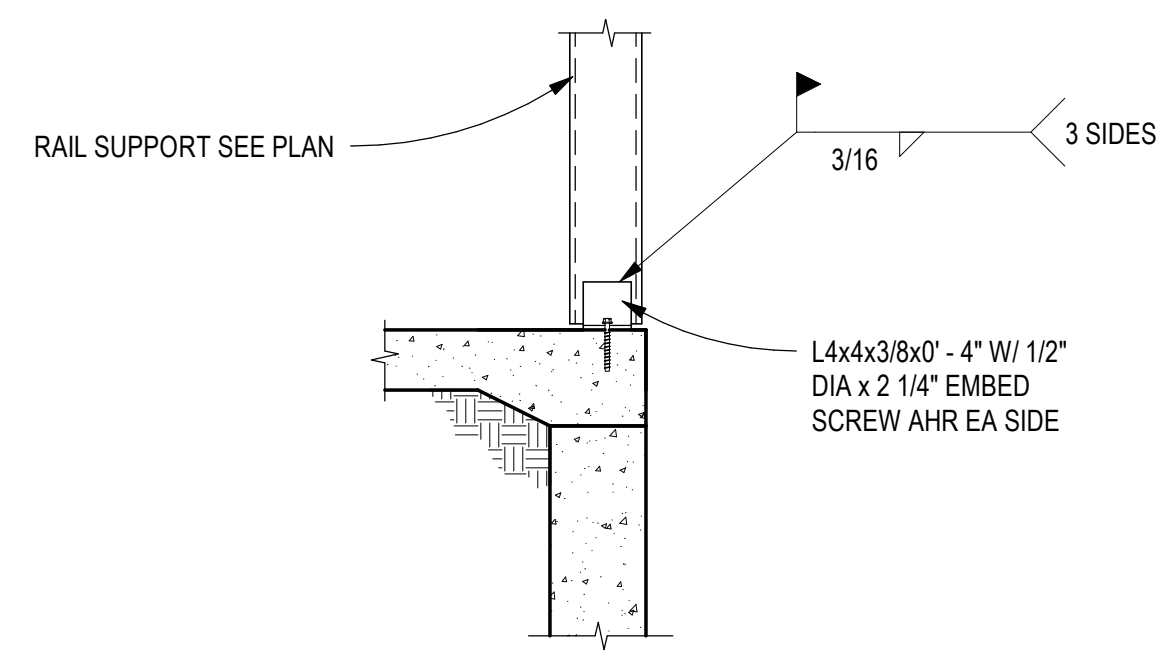
D5 ELEVATOR PIT SECTION
SCALE: 3/4" = 1'-0"



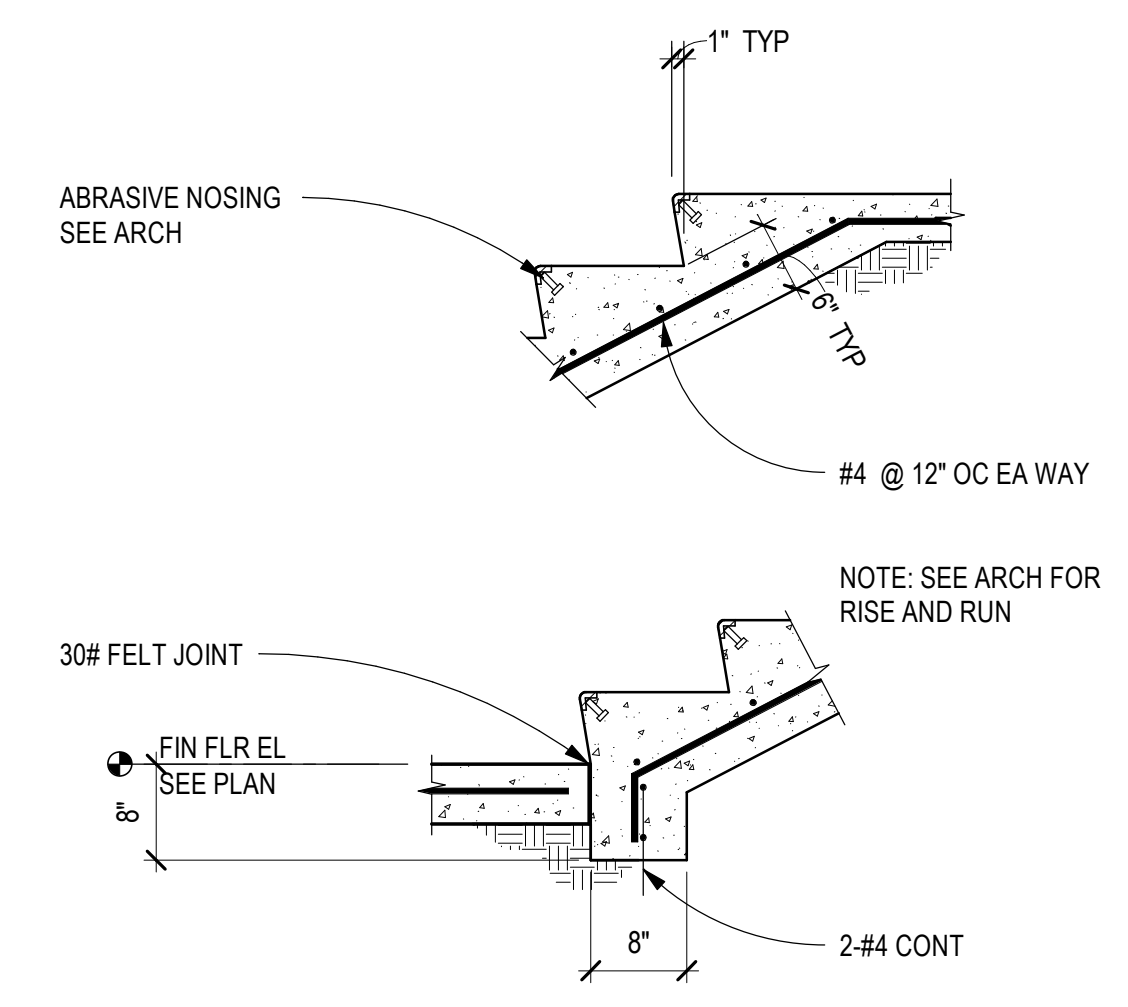
C4 ELEVATOR SEPARATOR BEAM
SCALE: 3/4" = 1'-0"



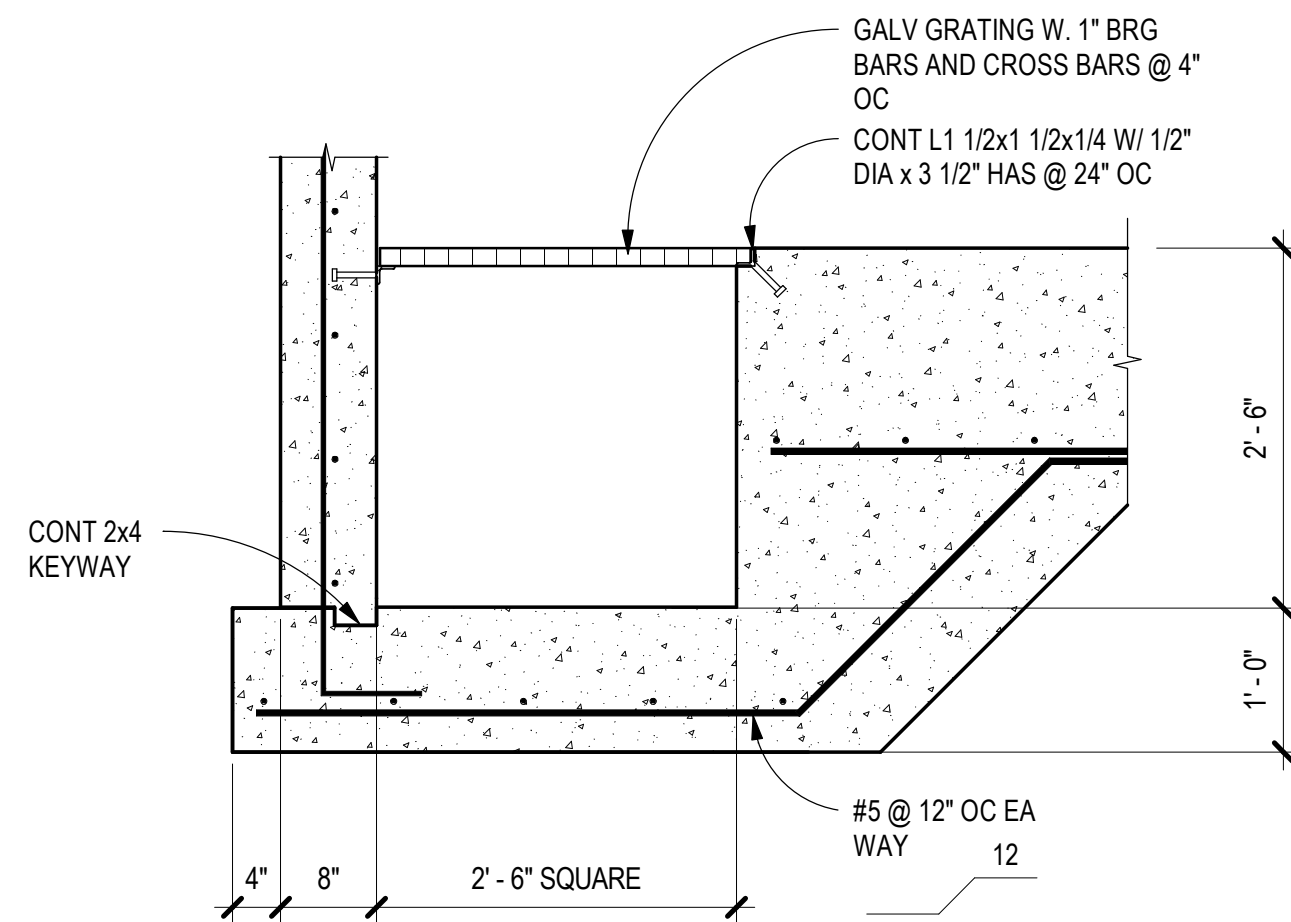
C5 TYPICAL RAMP SECTION
SCALE: 3/4" = 1'-0"



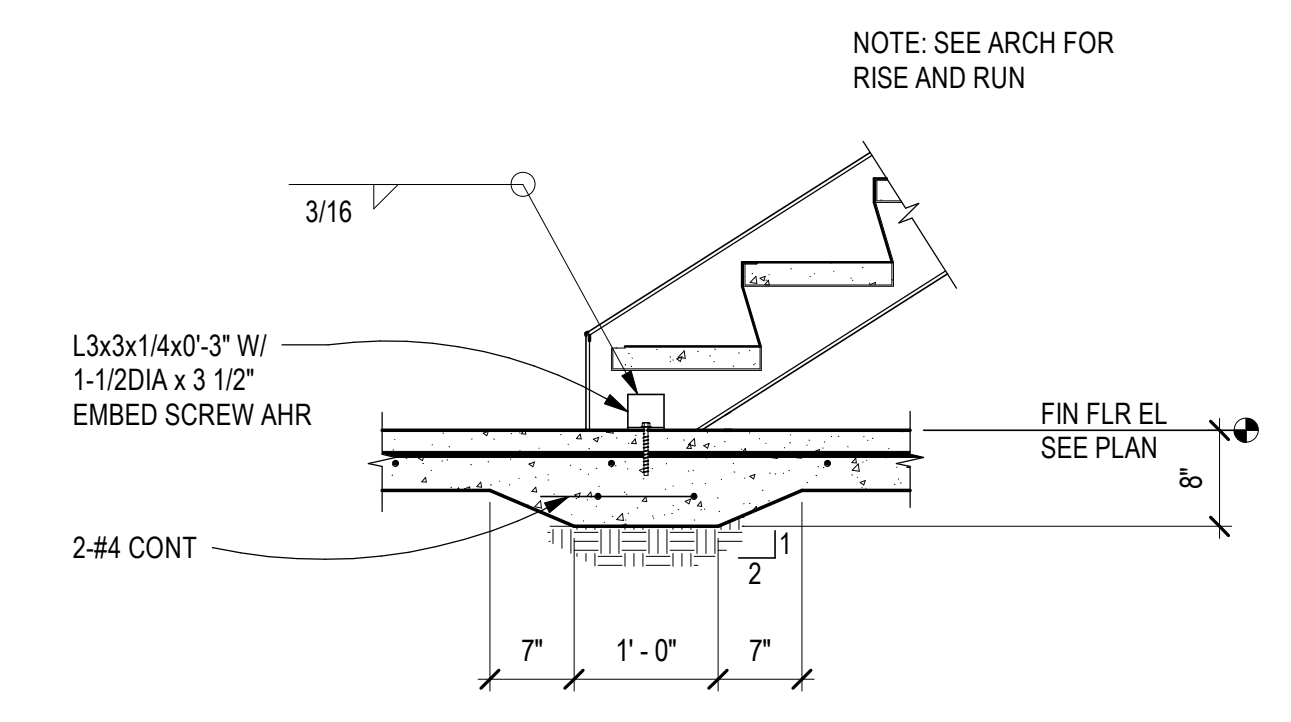
B4 ELEVATOR PIT SECTION
SCALE: 3/4" = 1'-0"



B5 TYPICAL CONC STAIR SECTION
SCALE: 3/4" = 1'-0"



A4 ELEVATOR SUMP PIT SECTION
SCALE: 3/4" = 1'-0"



A5 TYPICAL STAIR BASE DETAIL
SCALE: 3/4" = 1'-0"

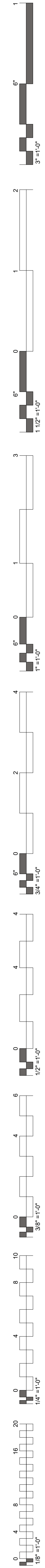
KEY PLAN

PROJECT PHASE:
BID PACKAGE 03

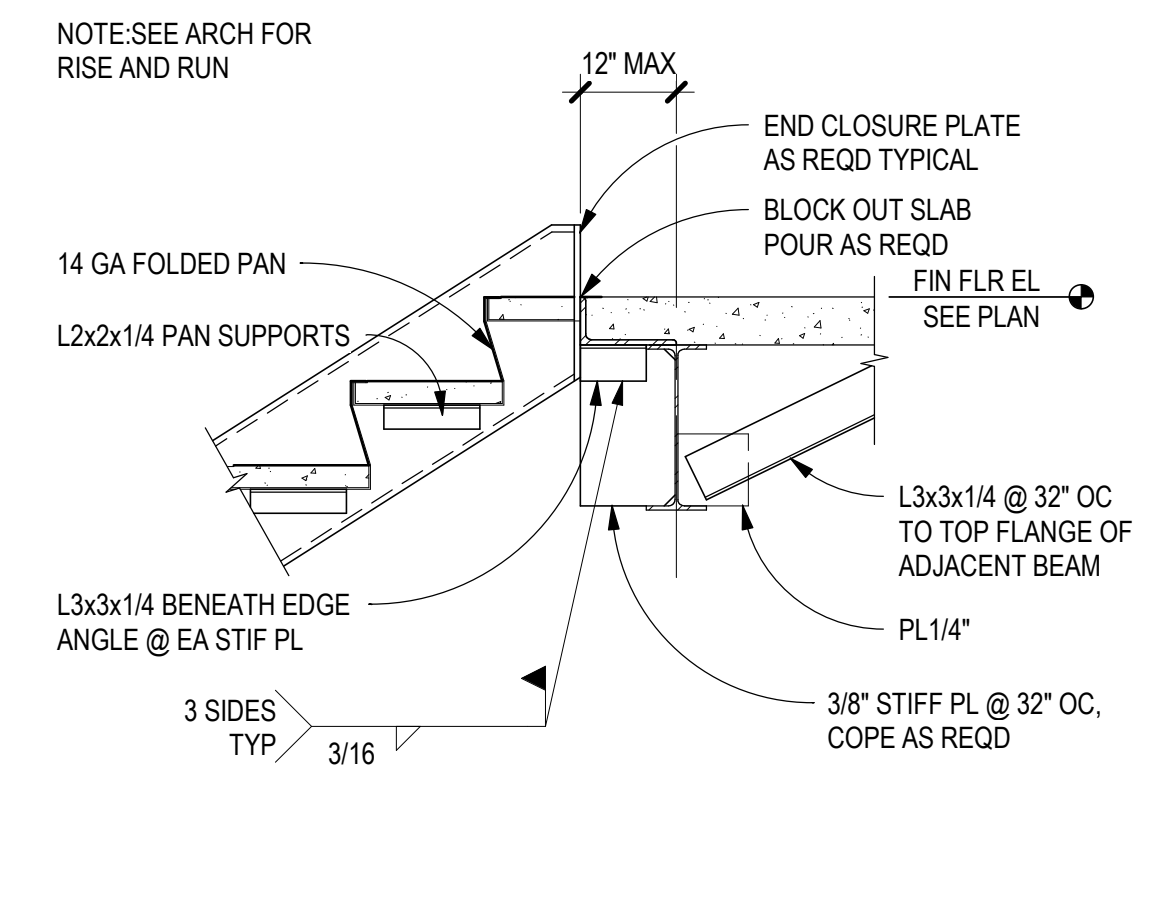
#	DATE	REVISIONS	DESCRIPTION

DATE: 03-20-19 JOB NUMBER: 17-13
SHEET NUMBER:
S5.61
TYPICAL VERTICAL CIRCULATION FOUNDATION DETAILS

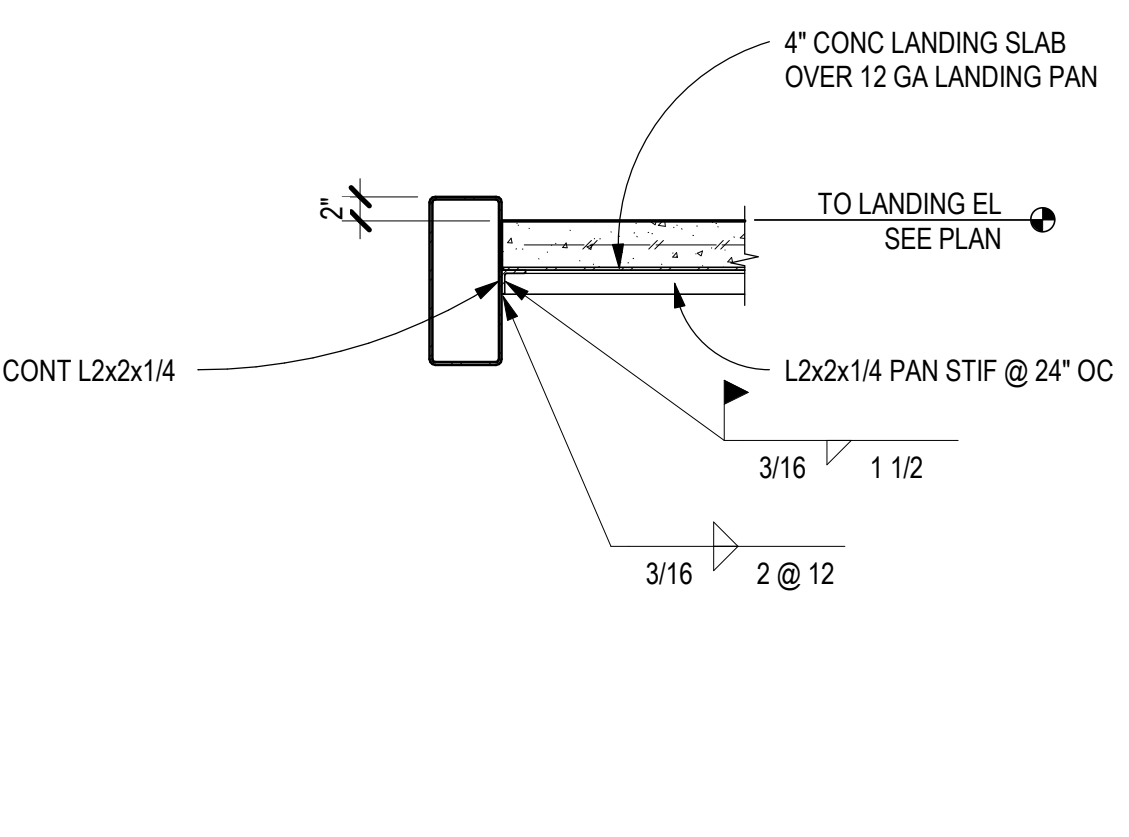
NOTE: THIS STRUCTURAL PACKAGE IS FOR FOUNDATIONS ONLY. ANY CHANGES TO THE PROJECT, INCLUDING, BUT NOT LIMITED TO: LOADING REQUIREMENTS, GEOMETRY CHANGES IN PLAN OR ELEVATION, SPACE USAGE REVISIONS, OR VALUE ENGINEERING MAY AFFECT THE STRUCTURAL STEEL MEMBER REQUIREMENTS SHOWN IN THESE DRAWINGS.



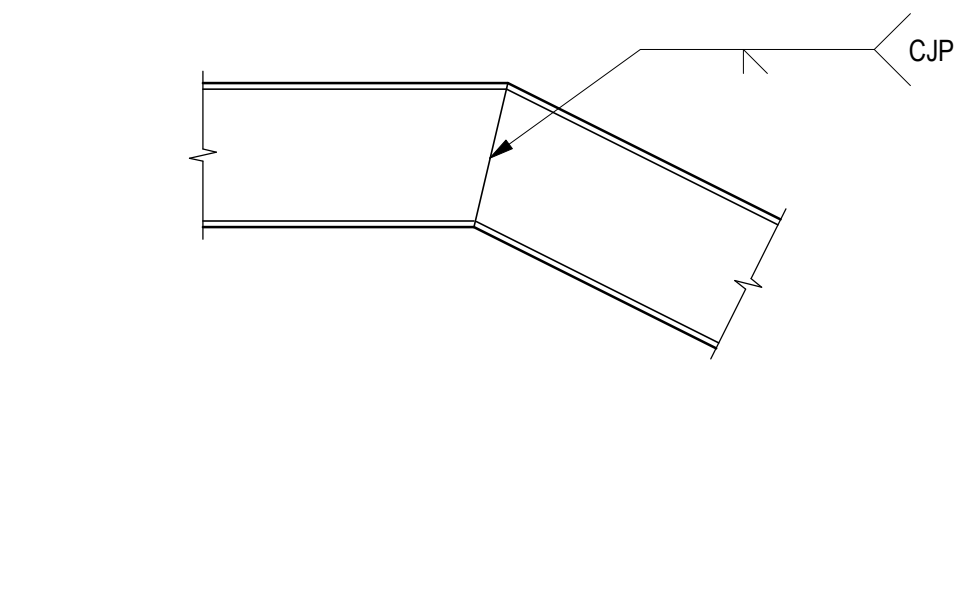
D1 STAIR STRINGER AT LANDING
SCALE: 3/4" = 1'-0"



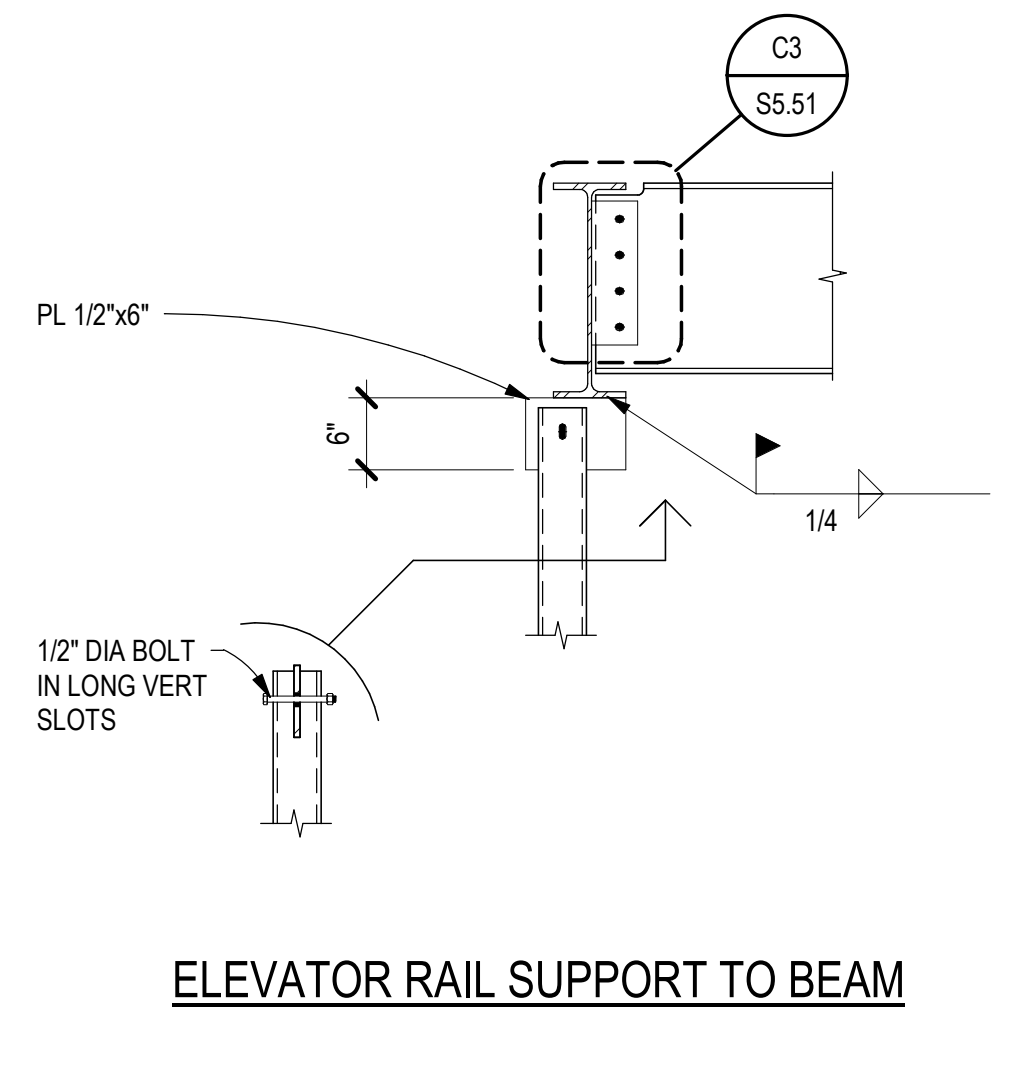
D2 STAIR LANDING SECTION
SCALE: 3/4" = 1'-0"



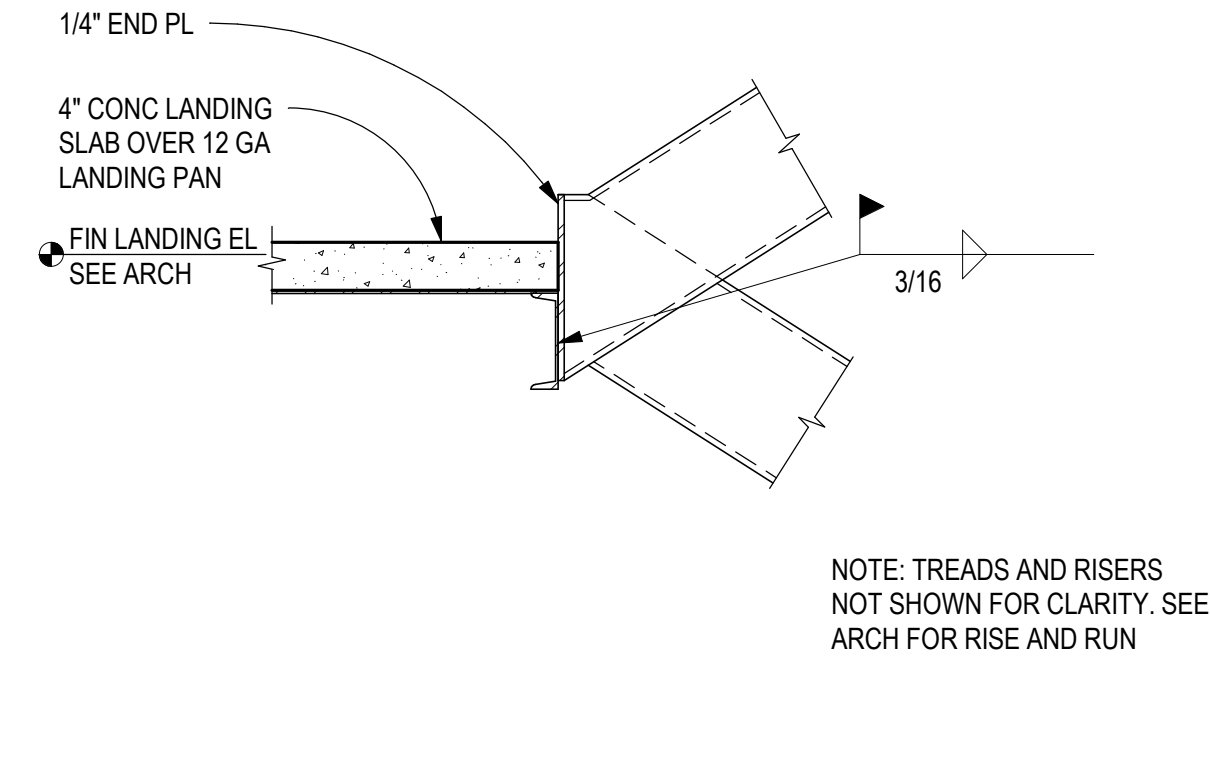
D3 STAIR STRINGER DETAIL
SCALE: 3/4" = 1'-0"



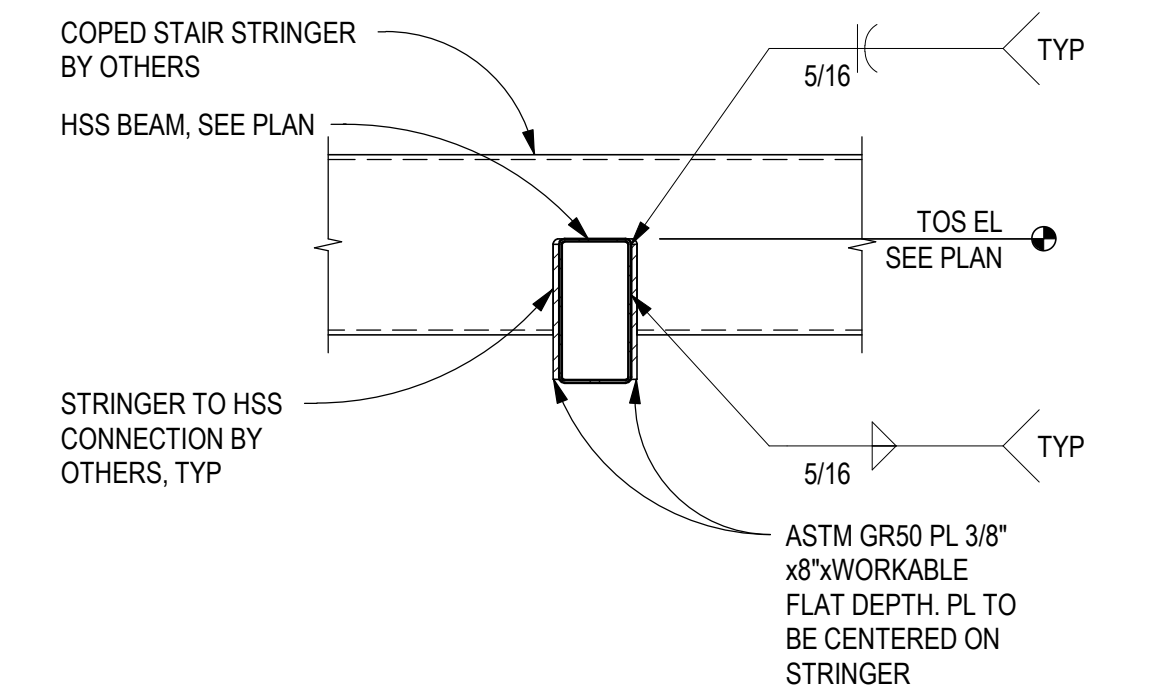
D4 ELEV RAIL SUPPORT TO ROOF
SCALE: 3/4" = 1'-0"



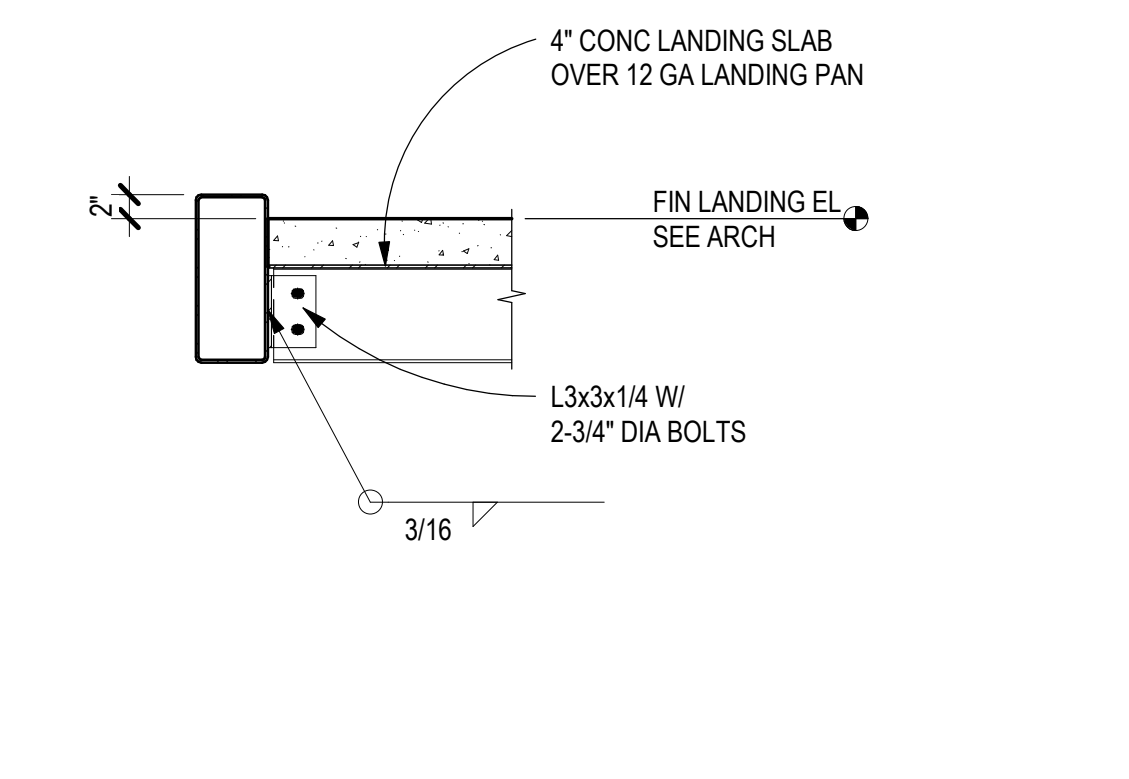
D5 INTERMEDIATE LANDING SECTION
SCALE: 3/4" = 1'-0"



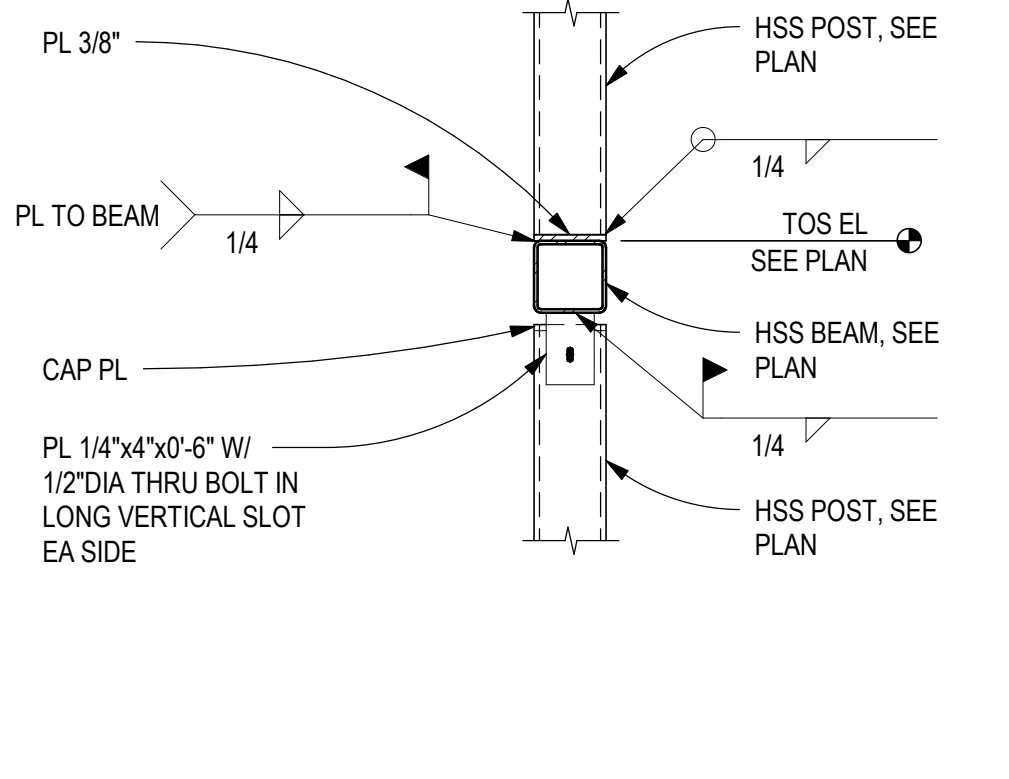
C1 HSS STAIR STRINGER DETAIL
SCALE: 3/4" = 1'-0"



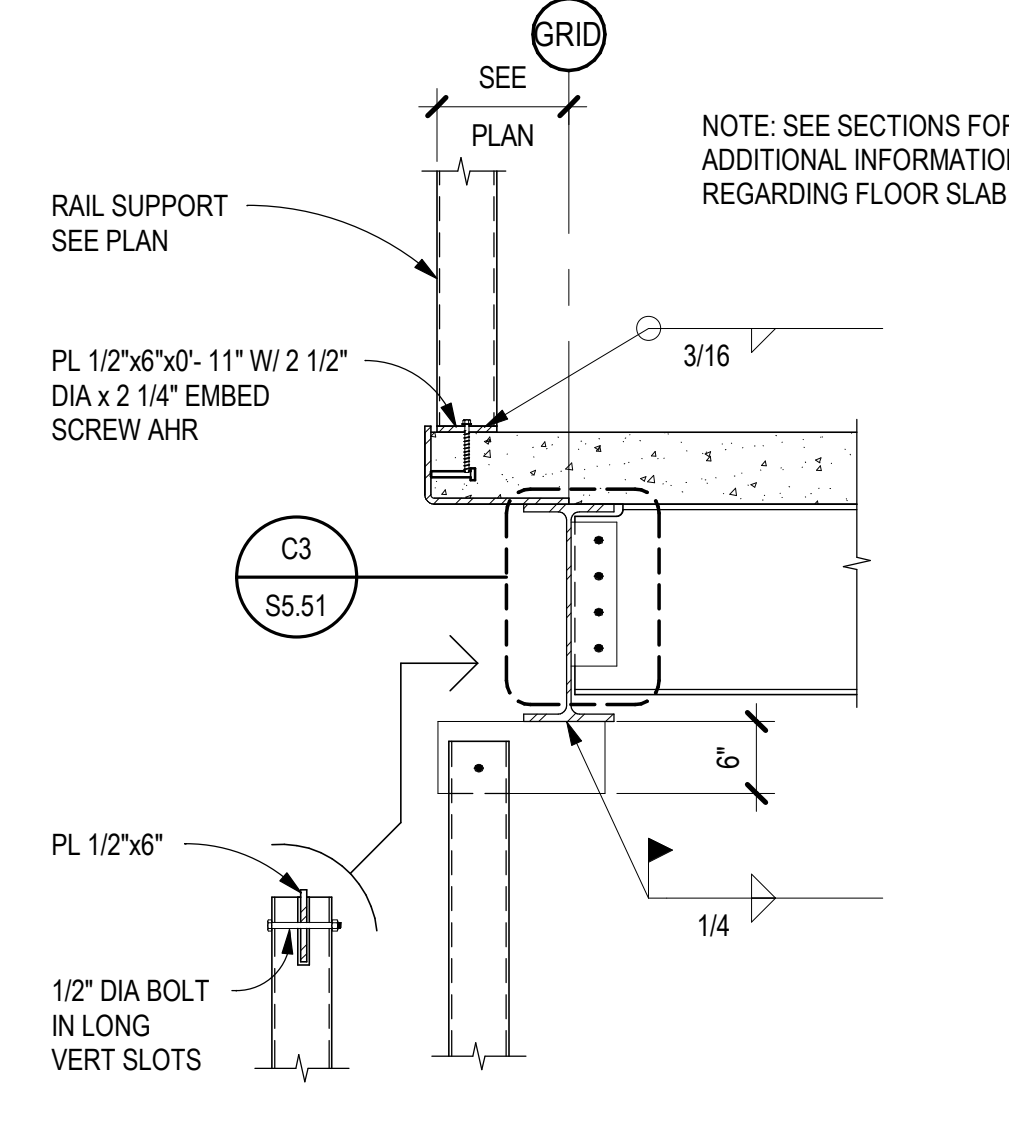
C2 STAIR LANDING SECTION
SCALE: 3/4" = 1'-0"



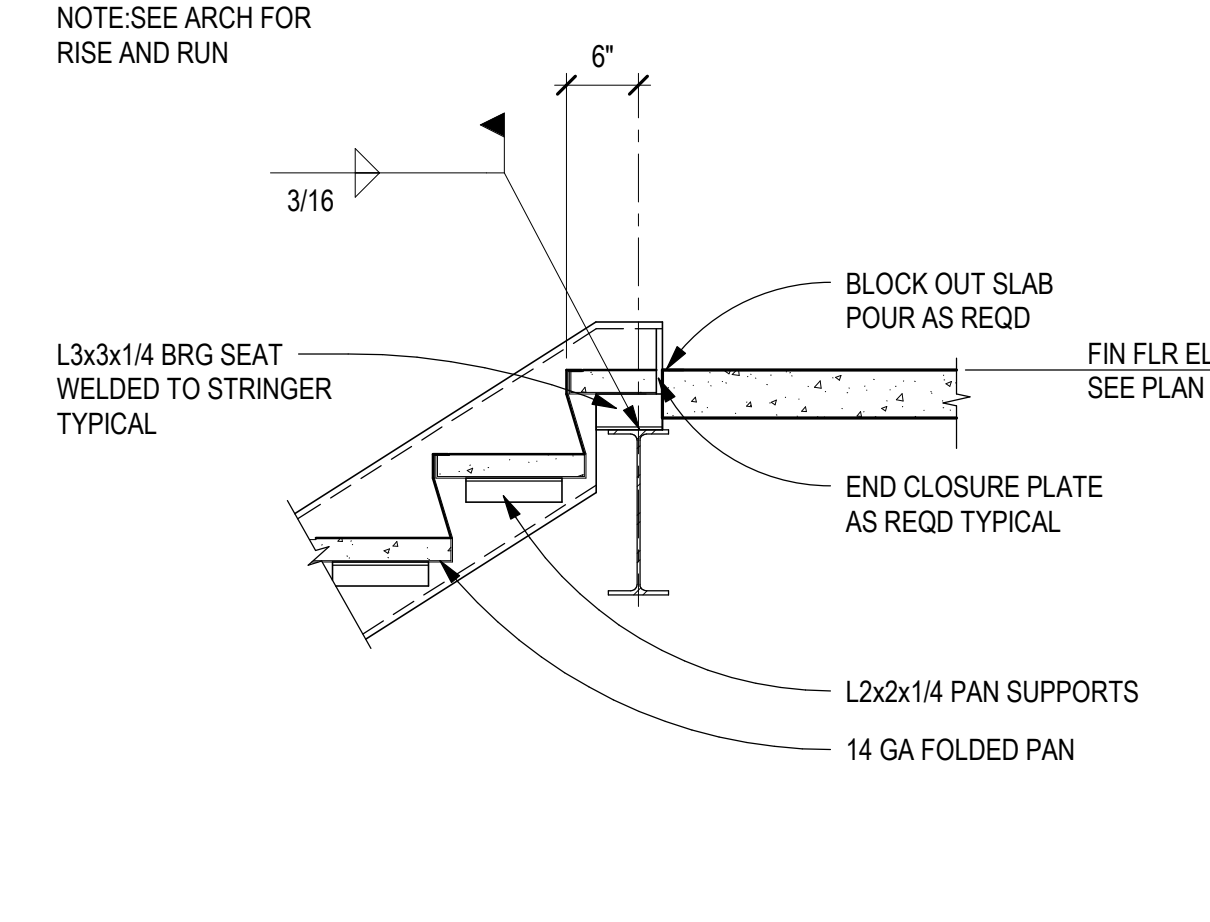
C3 ELEVATOR DETAIL
SCALE: 3/4" = 1'-0"



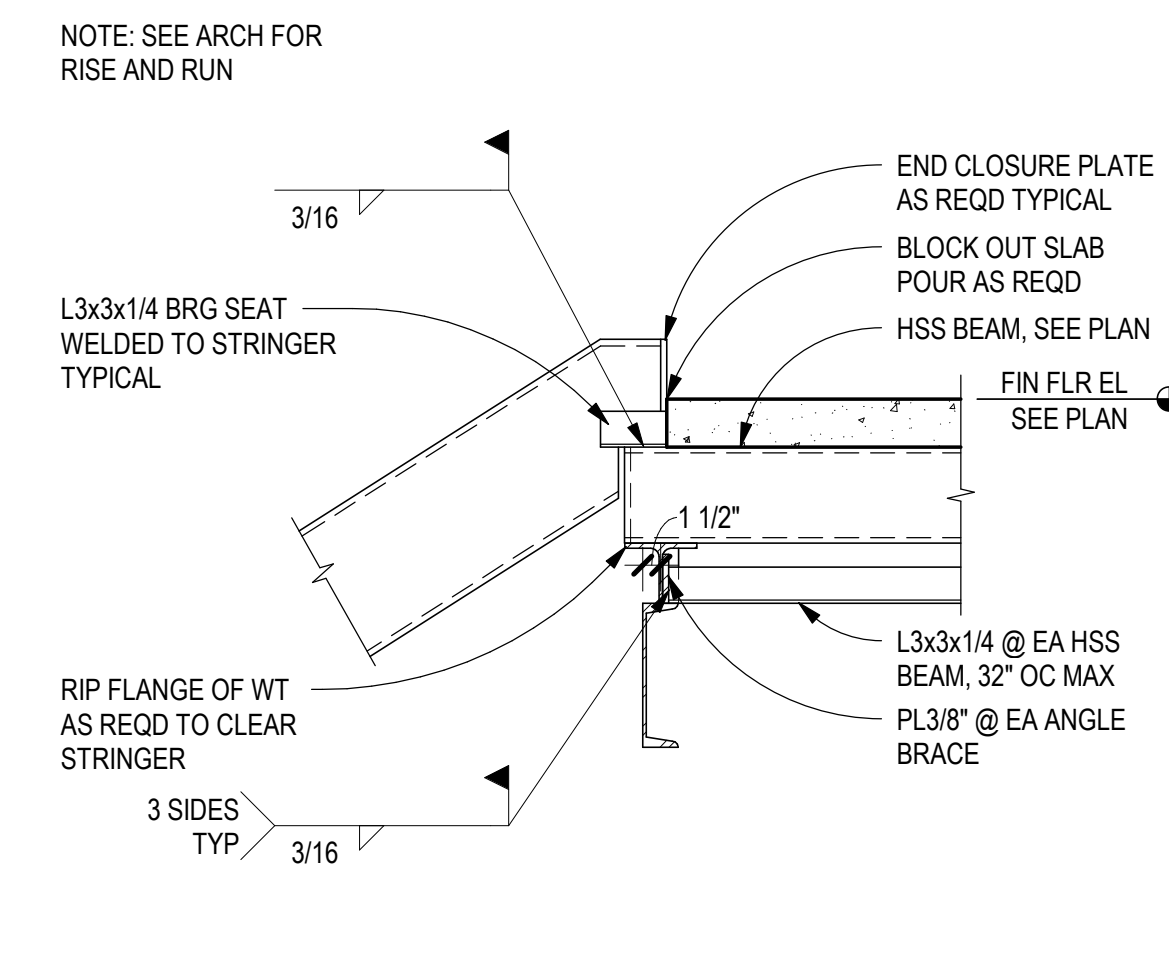
C4 ELEVATOR DETAIL
SCALE: 3/4" = 1'-0"



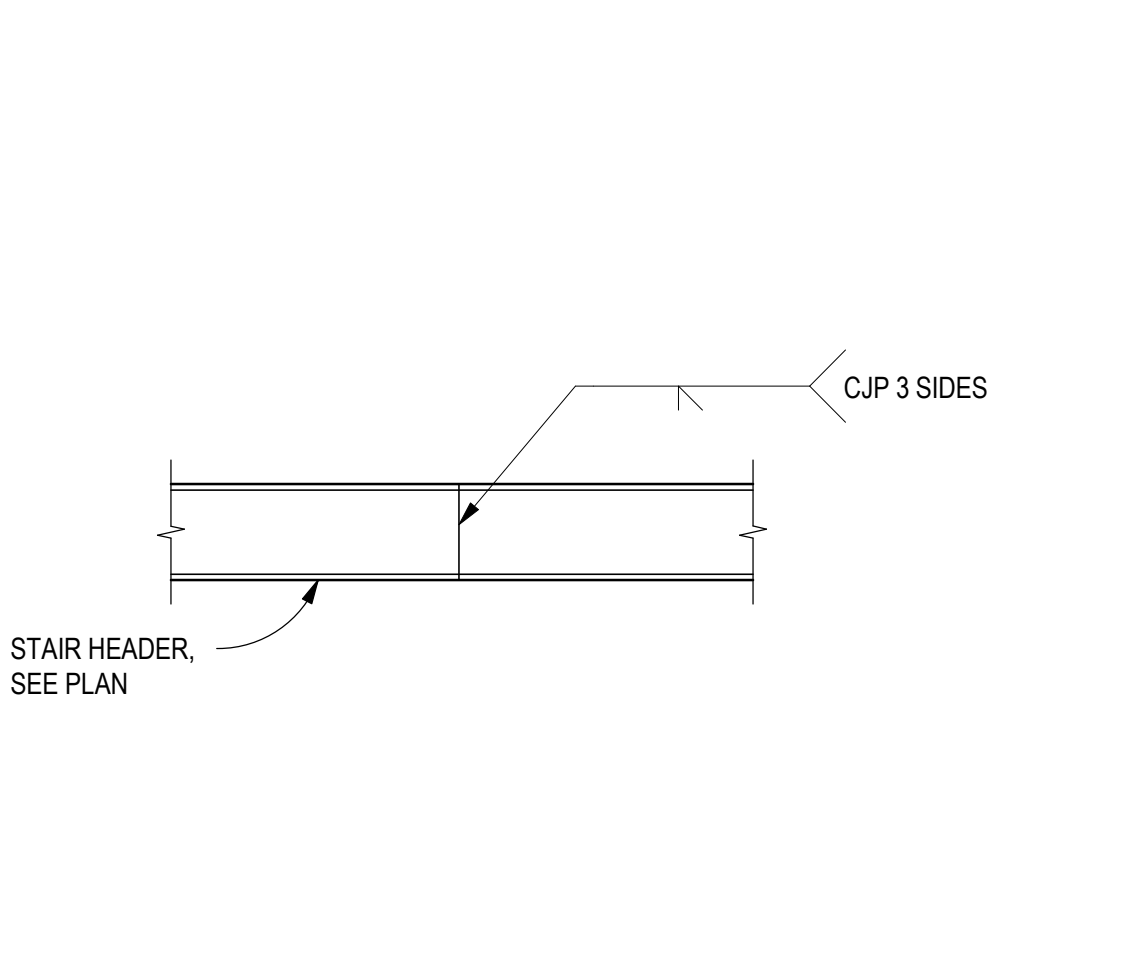
C5 STAIR STRINGER AT LANDING
SCALE: 3/4" = 1'-0"



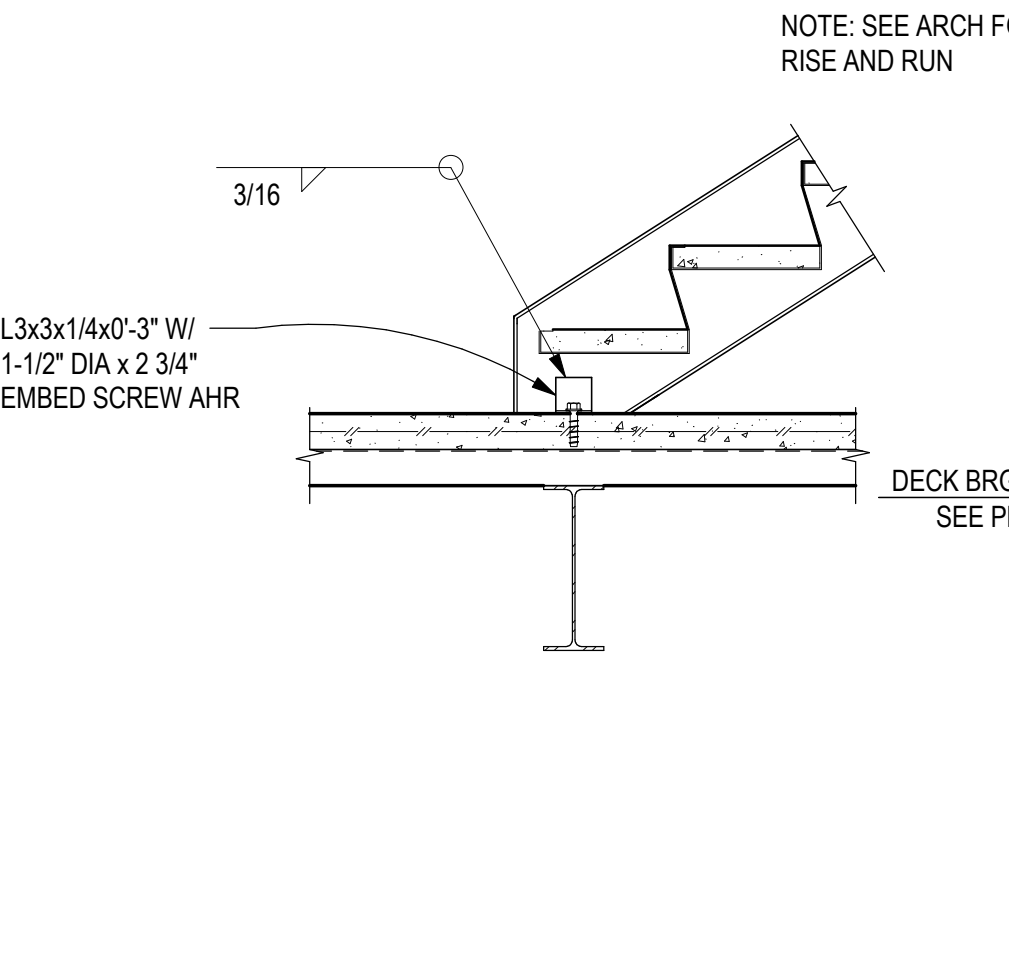
B1 STAIR STRINGER AT LANDING
SCALE: 3/4" = 1'-0"



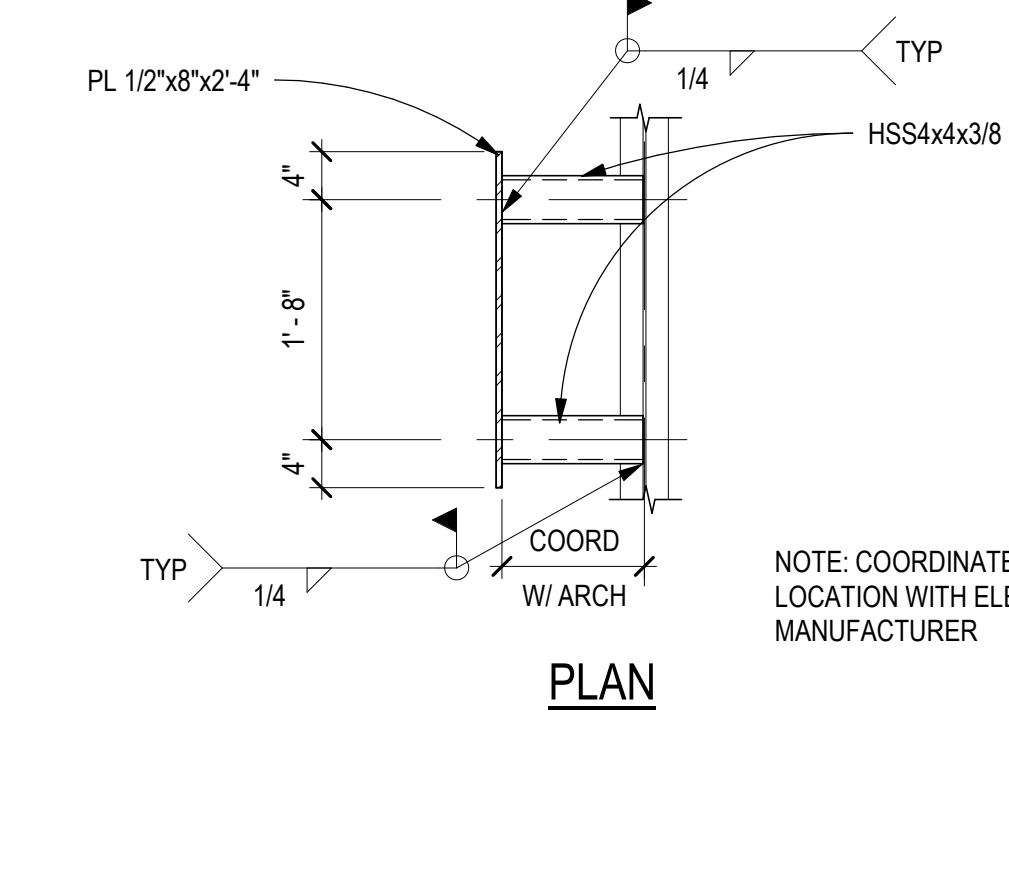
B2 STAIR HEADER DETAIL
SCALE: 3/4" = 1'-0"



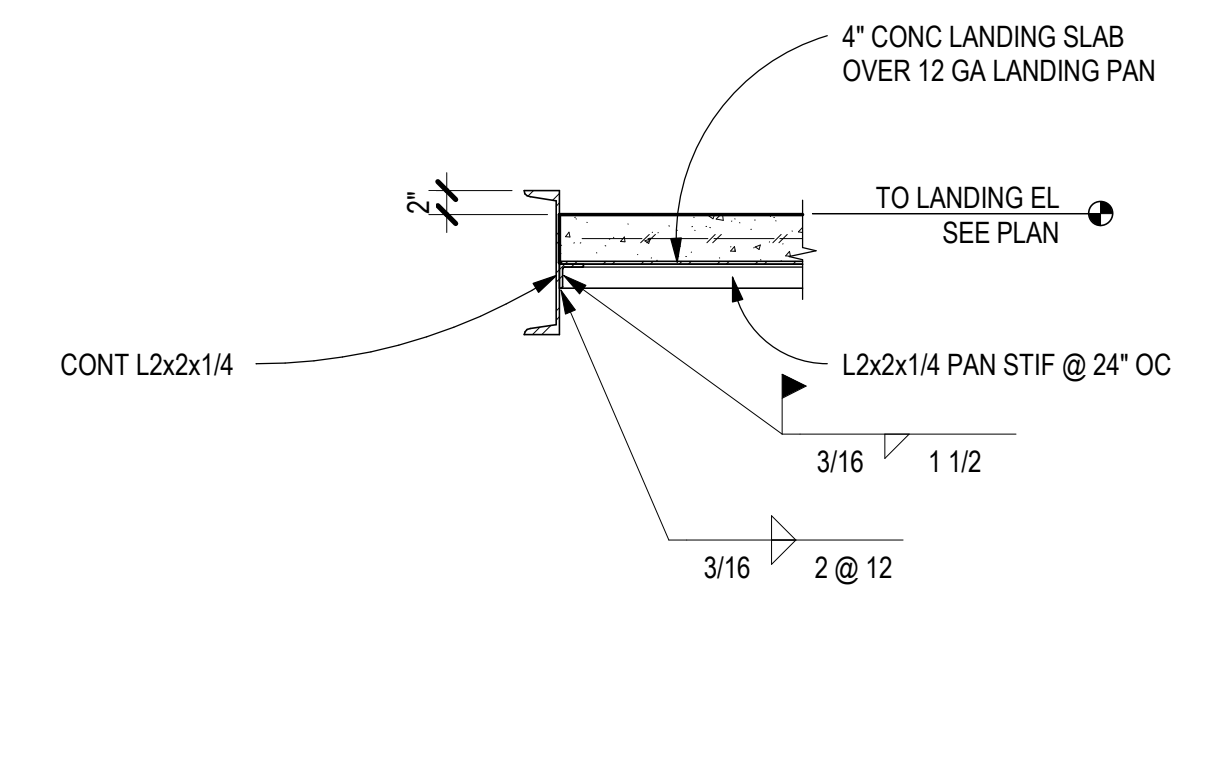
B3 TYPICAL STAIR BASE DETAIL
SCALE: 3/4" = 1'-0"



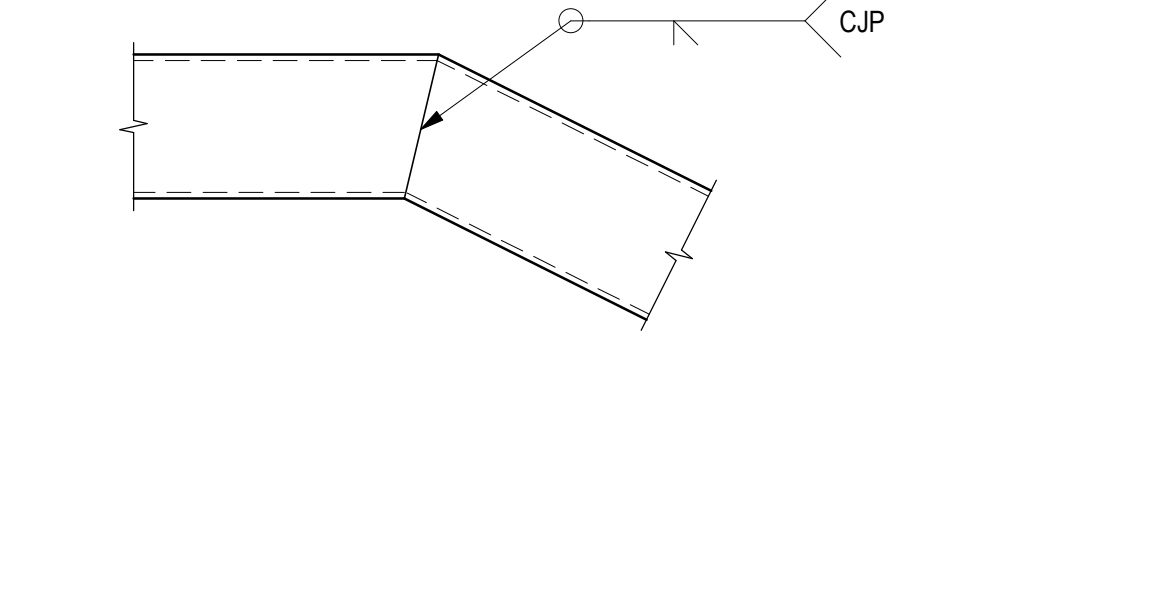
B4 ELEV RAIL BRACKET SUPPORT
SCALE: 3/4" = 1'-0"



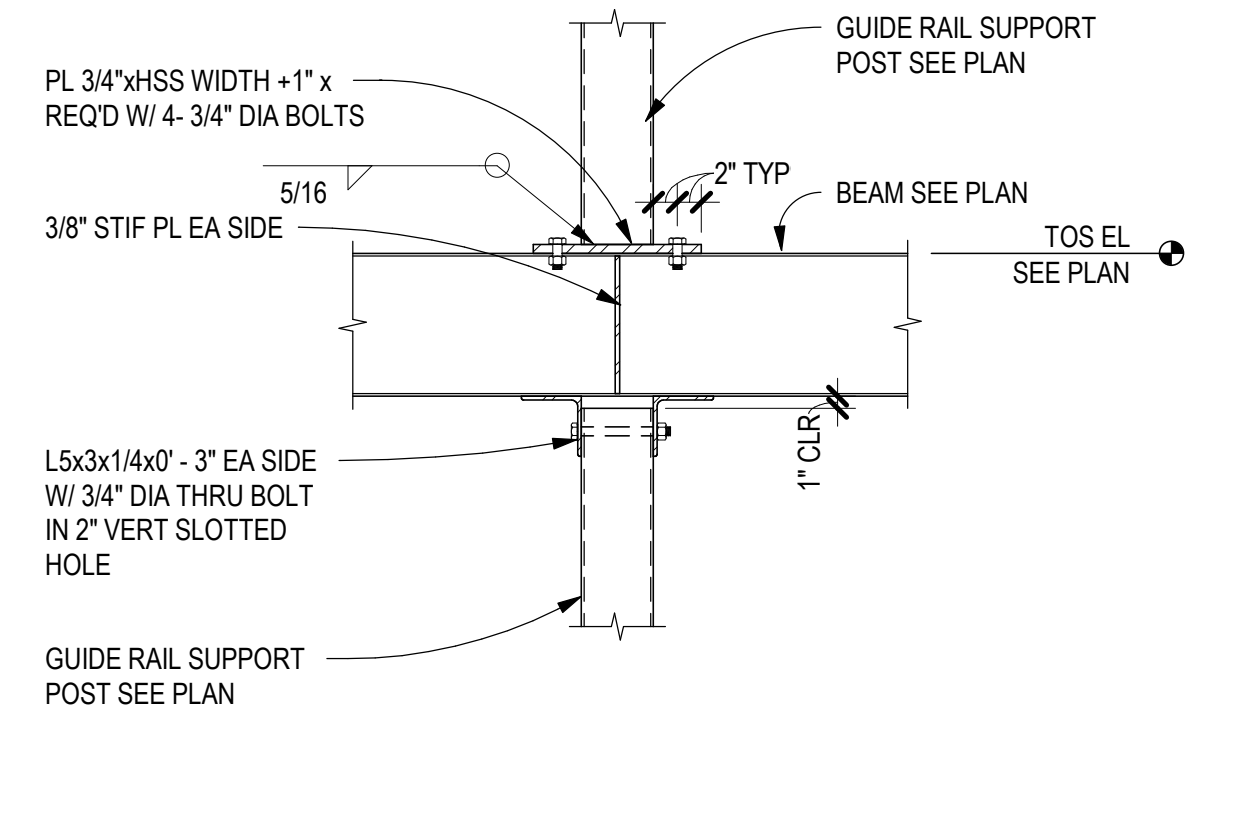
B5 STAIR LANDING SECTION
SCALE: 3/4" = 1'-0"



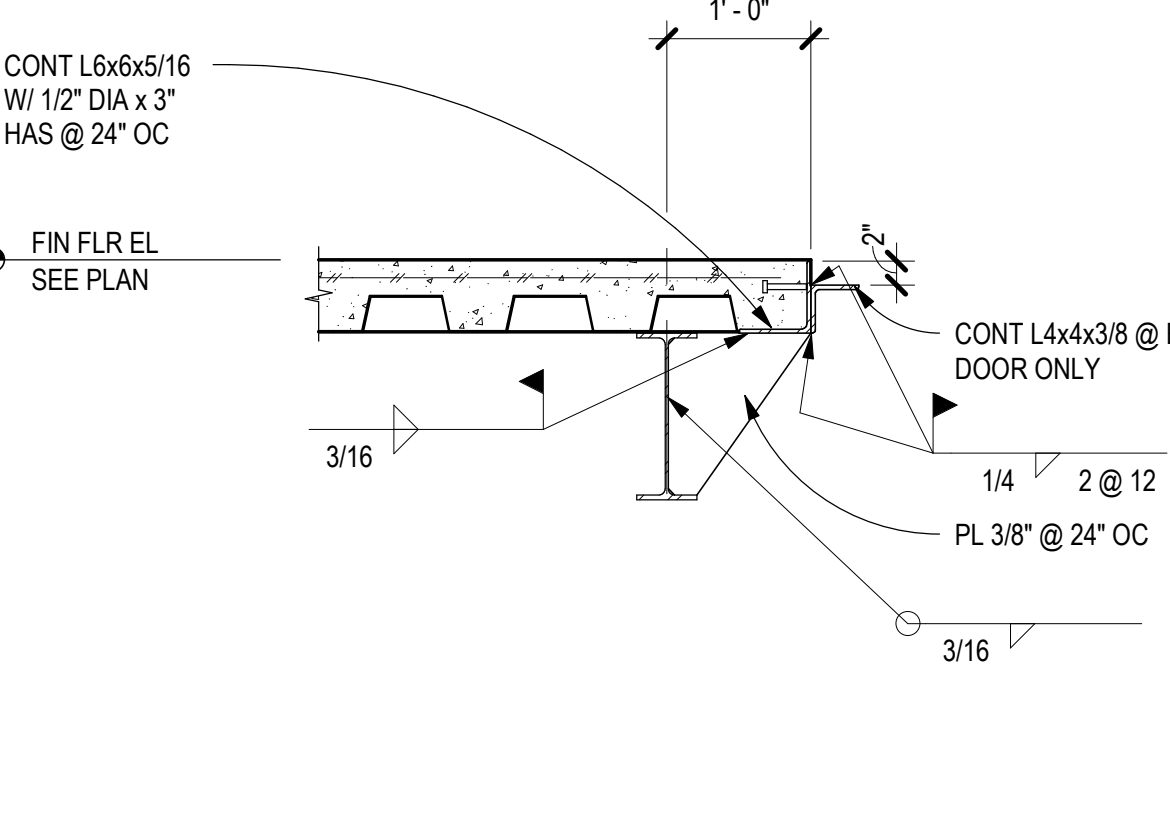
A1 HSS STAIR STRINGER DETAIL
SCALE: 3/4" = 1'-0"



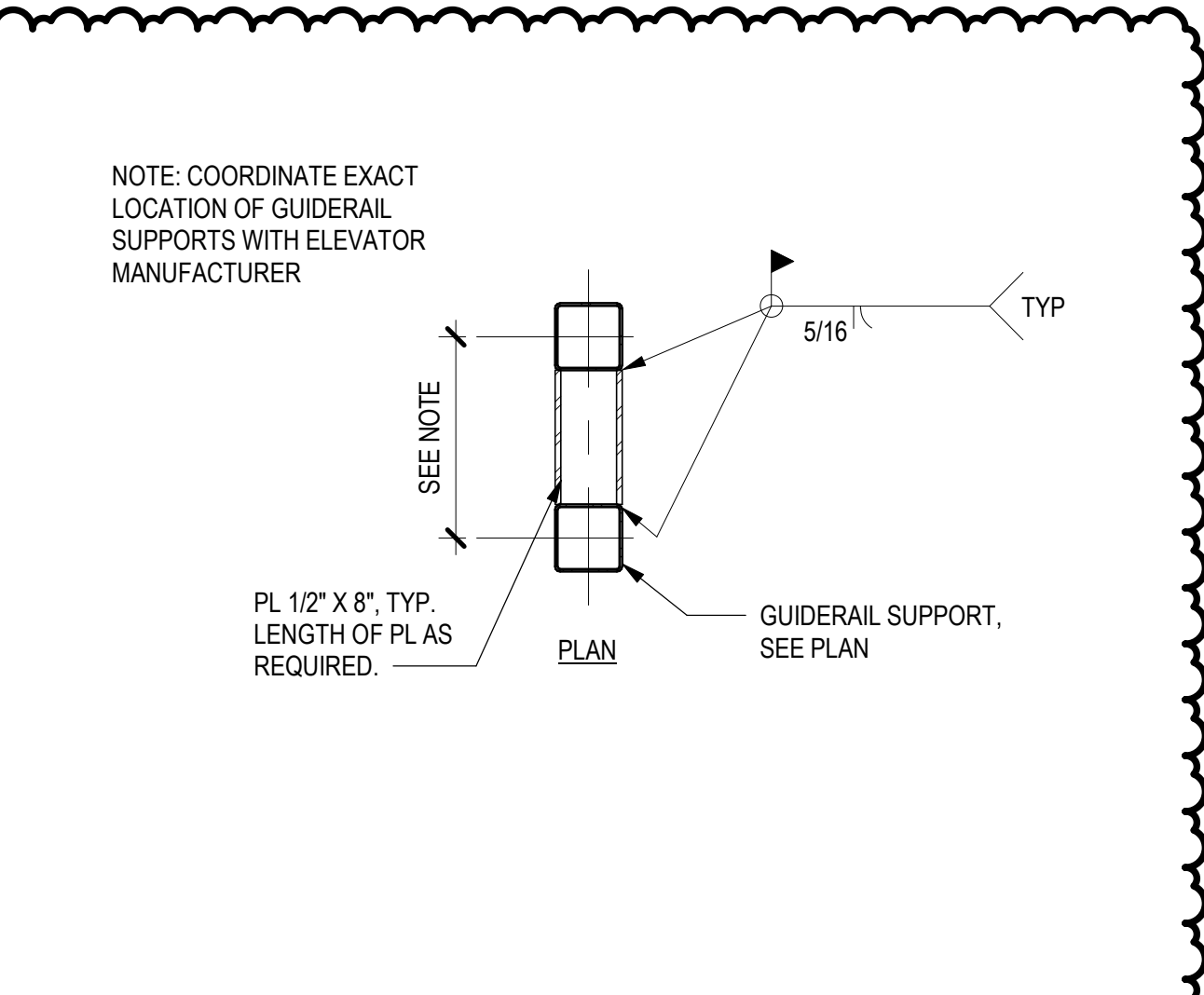
A2 GUIDE RAIL TO BM TOP AND BTM
SCALE: 3/4" = 1'-0"



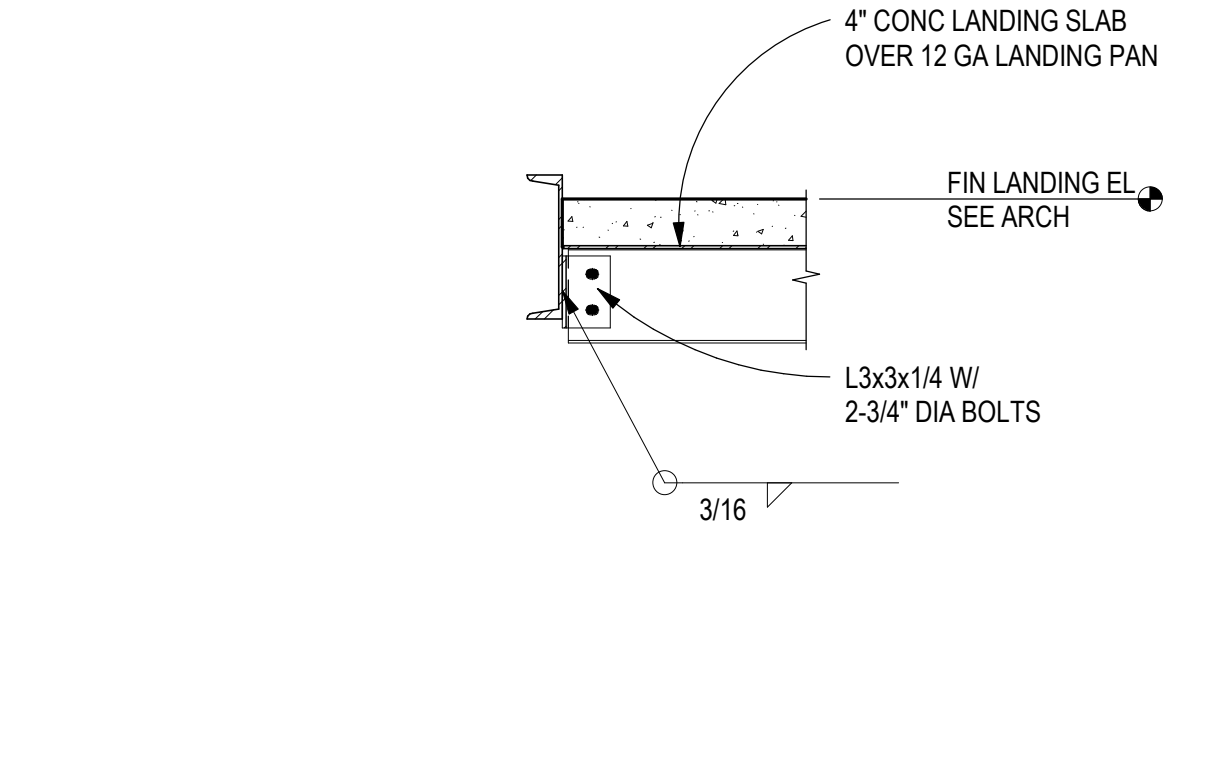
A3 ELEVATOR OPENING SECTION
SCALE: 3/4" = 1'-0"

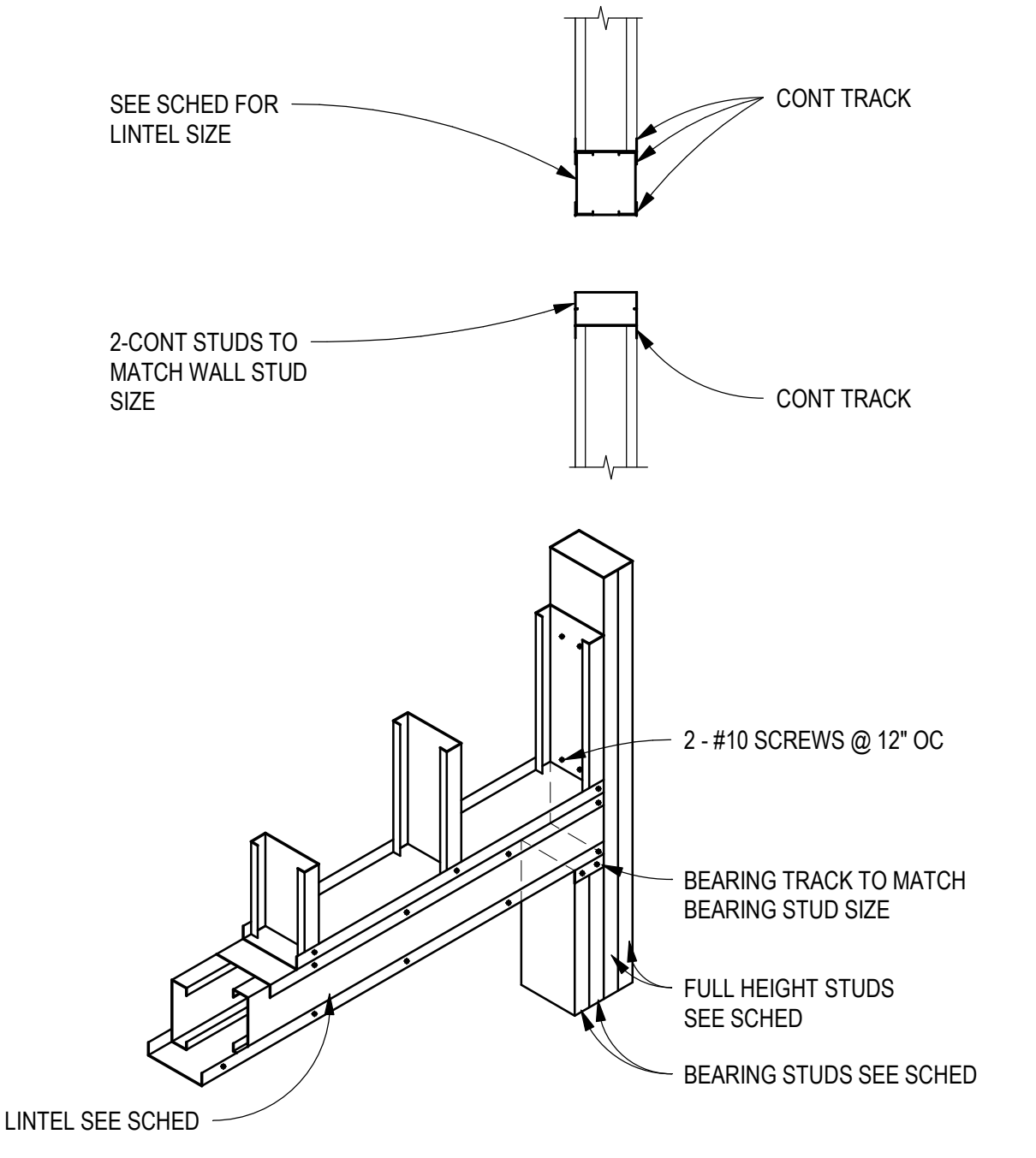
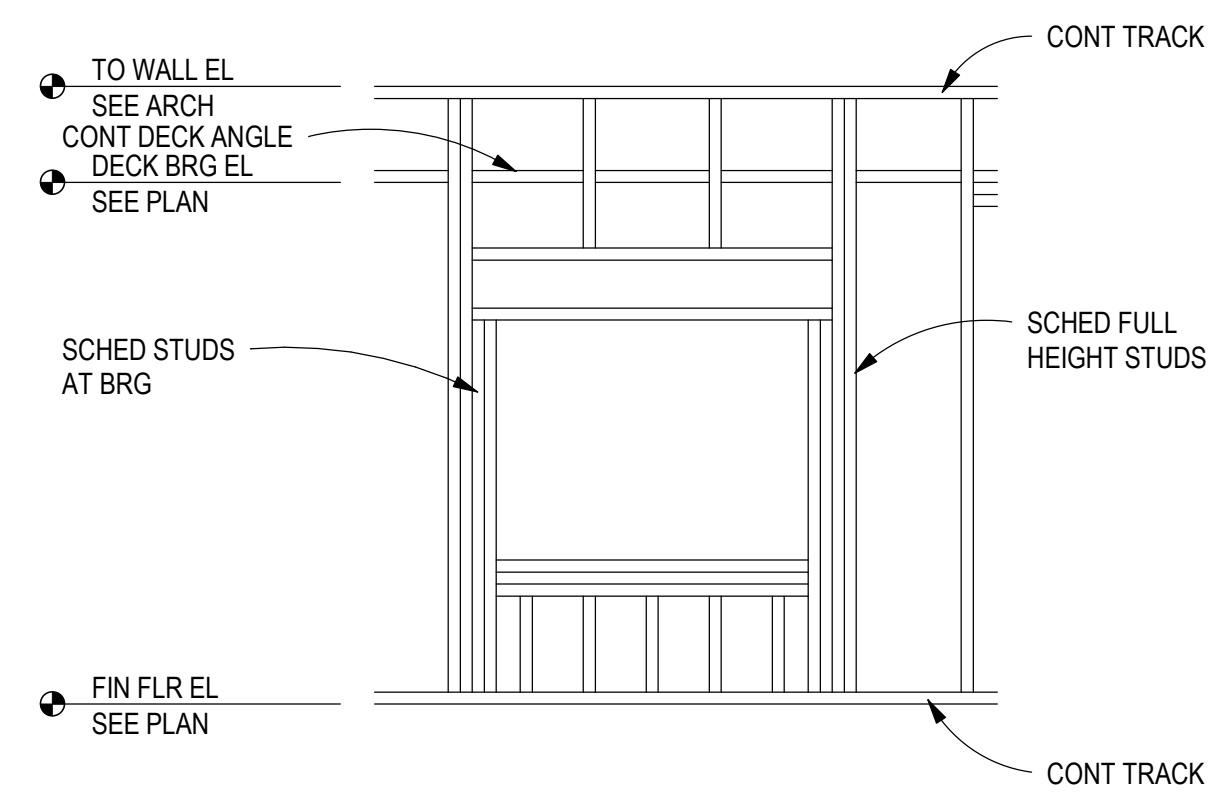
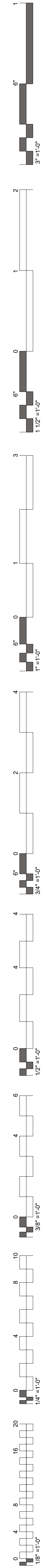


A4 ELEV RAIL BRACKET SUPPORT
SCALE: 3/4" = 1'-0"



A5 STAIR LANDING SECTION
SCALE: 3/4" = 1'-0"

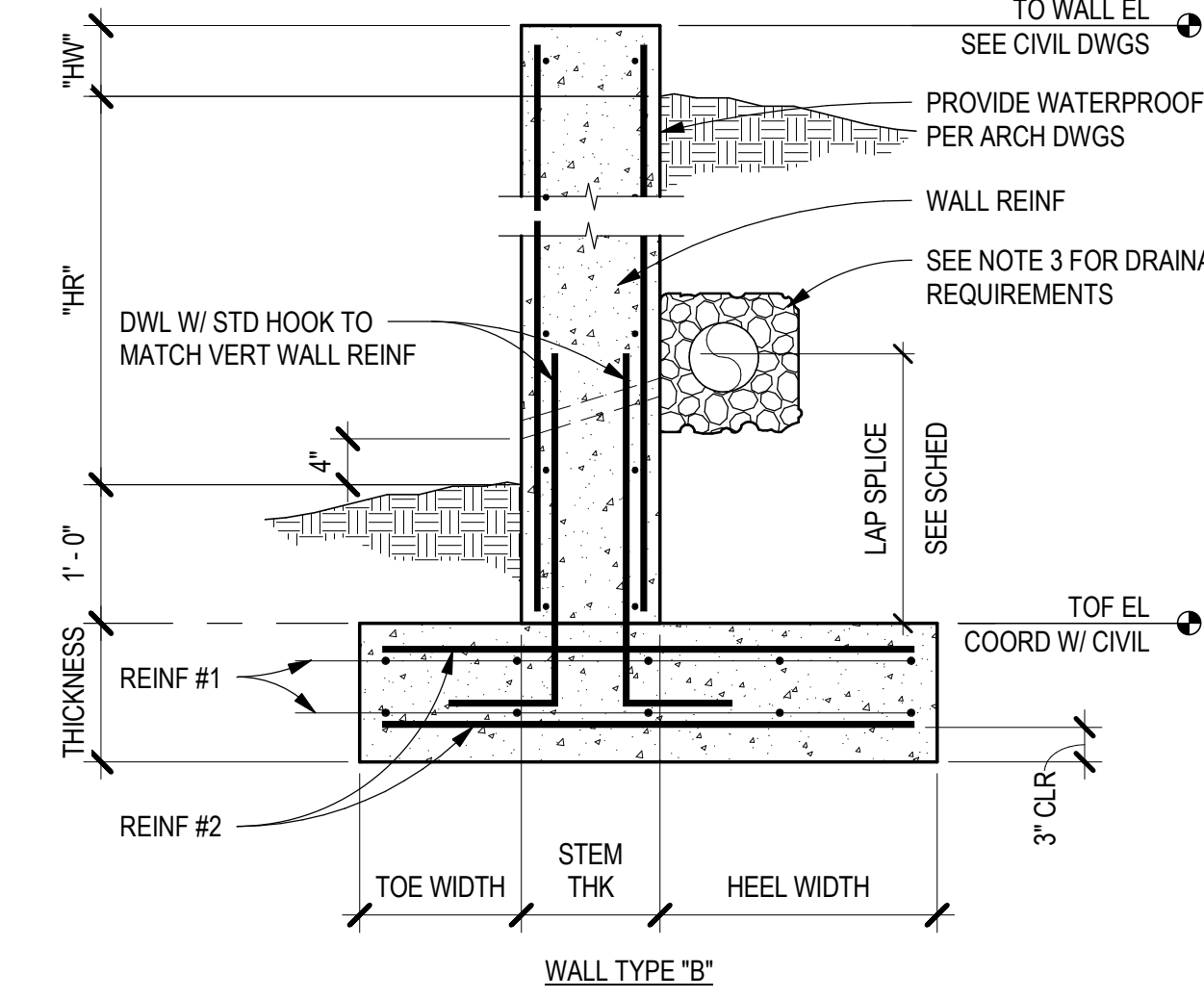
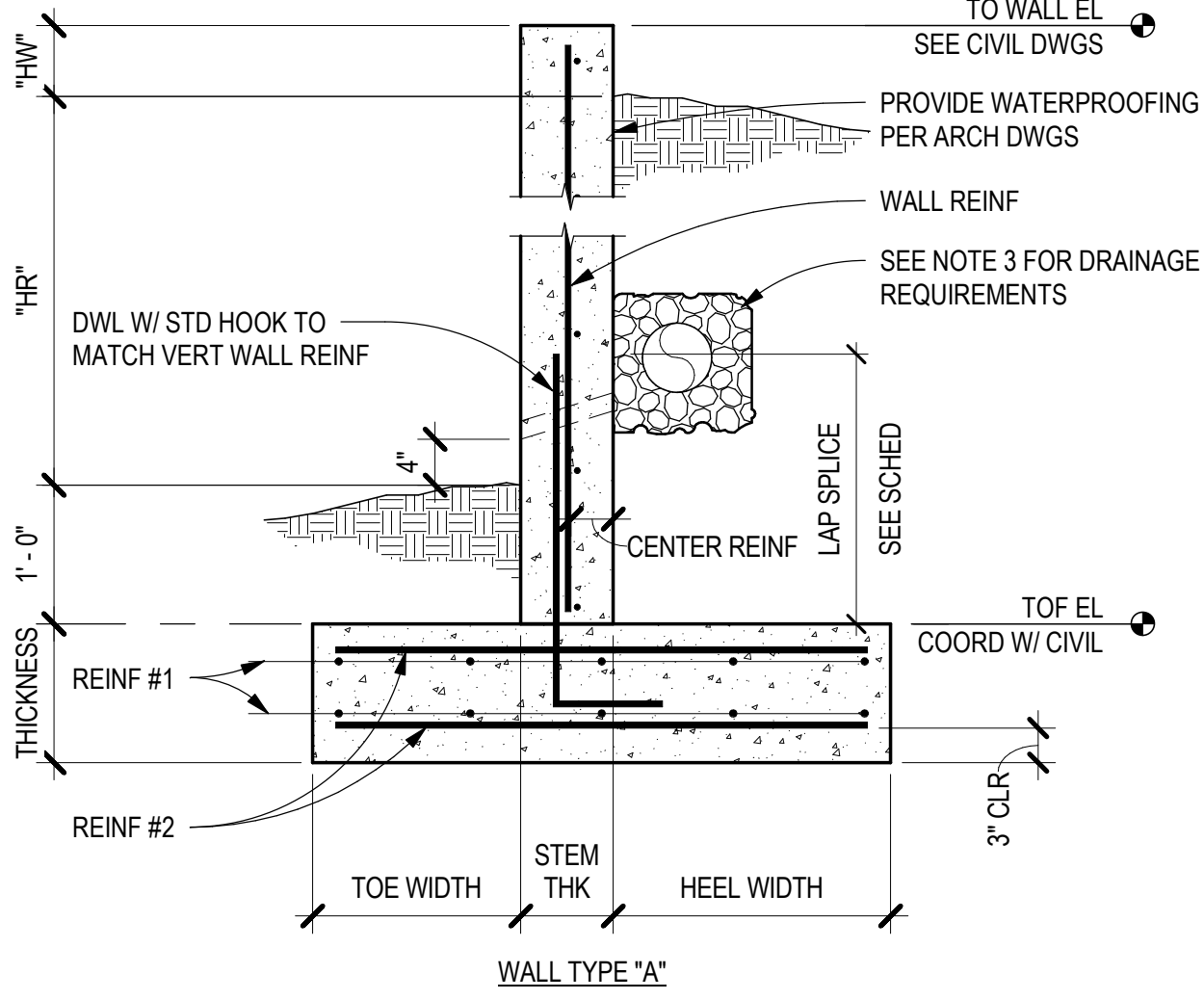




REINFORCEMENT TYPE	REINFORCING LAP SCHEDULE				MINIMUM LENGTH (IN)	COMMENTS
	#6 AND SMALLER (#6)	#7 AND LARGER (#6)	#7 AND LARGER (#6)	#7 AND LARGER (#6)		
CONTINUOUS WALL FOOTINGS AND STEMMWALLS	30	30	30	30	30	18
RETAINING WALLS AND BASEMENT WALL VERTICAL REINFORCING	57	50	45	72	62	56
RETAINING WALLS AND BASEMENT WALL HORIZONTAL REINFORCING	57	50	45	72	62	56
CONCRETE COLUMNS NOT SUPPORTING LATERAL FORCES	30	30	30	30	30	12
CONCRETE COLUMNS SUPPORTING LATERAL FORCES	57	50	45	72	62	56
TOP FLEXURAL REINFORCEMENT, INCLUDING BEAMS, GRADE BEAMS, AND COMBINED COLUMN FOOTING AT BRACED FRAME AND MOMENT FRAMES	57	50	45	72	62	56
BOTTOM FLEXURAL REINFORCEMENT, INCLUDING BEAMS, GRADE BEAMS, AND COMBINED COLUMN FOOTING AT BRACED FRAME AND MOMENT FRAMES	57	50	45	55	62	56
SLABS-ON-GRADE	30	30	30	30	30	12
MINIMUM EMBEDMENT OF STANDARD HOOKS INTO CONCRETE BASE	16	14	12	16	14	14
ALL REBAR LAPS IN CMU		72		72		12

WALL TYPE	STEM THICKNESS	WALL HEIGHT ABOVE GRADE "HW"	HEIGHT RETAINED "HR"	FOOTING SIZE			FOOTING REINFORCING			WALL REINFORCING
				TOE WIDTH	HEEL WIDTH	THICKNESS	REINF #1	REINF #2	WALL REINFORCING	
				FT-IN	FT-IN	FT-IN	QTY - SIZE	SIZE - SPACING	VERT SIZE - SPACING	
A	8"	0'-0" - 0'-6"	0'-0" - 4'-0"	1'-6"	3'-4"	1'-3"	6 - #5 CONT T&B	#5 @ 18" OC T&B	#5 @ 12" OC	#4 @ 12" OC
			4'-1" - 6'-0"	2'-0"	5'-4"	1'-6"	9 - #5 CONT T&B	#5 @ 12" OC T&B	#7 @ 12" OC	#4 @ 12" OC
B	12"	0'-0" - 0'-6"	0'-0" - 8'-0"	2'-6"	5'-8"	1'-6"	10 - #5 CONT T&B	#5 @ 12" OC T&B	#5 @ 12" OC EA FACE	#4 @ 12" OC EA FACE
			8'-1" - 10'-0"	3'-0"	6'-0"	2'-0"	12 - #5 CONT T&B	#5 @ 12" OC T&B	#7 @ 12" OC EA FACE	#4 @ 12" OC EA FACE
			10'-1" - 12'-0"	3'-6"	7'-0"	2'-0"	14 - #5 CONT T&B	#5 @ 12" OC T&B	#7 @ 6" OC EA FACE	#4 @ 12" OC EA FACE

- NOTES:
- COORDINATE EXACT LOCATION AND EXTENT OF WALL WITH ARCHITECTURAL AND CIVIL DWGS.
 - PROVIDE CONCRETE WALL VERTICAL CONTROL JOINTS AT (2) TIMES THE WALL HEIGHT AND AT ALL STEPS IN TOP OF WALL. SEE DETAIL C2/S7.11 FOR CONTROL JOINT INFORMATION.
 - WALL DRAINAGE SYSTEM SHALL CONSIST OF ONE OF THE FOLLOWING:
 - CONTINUOUS 4" DIAMETER SLOTTED SCHEDULE 40 DRAIN PIPE WITH SLOTS ON BOTTOM HALF OF PIPE.
 - 1 1/2" (MIN) DIA PVC WEEP PIPE @ 8'-0" OC MAX W/ 12"x12"x12" GRAVEL & MIRAFI 140N GEOTEXTILE FILTER FABRIC BETWEEN SOIL & GRAVEL @ EA WEEP HOLE OR WEEP HOLES.
 - TIE-IN TO SITE DRAINAGE SYSTEM. BACKFLOW PREVENTION, ETC. TO BE PROVIDED BY OTHERS.
- SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.



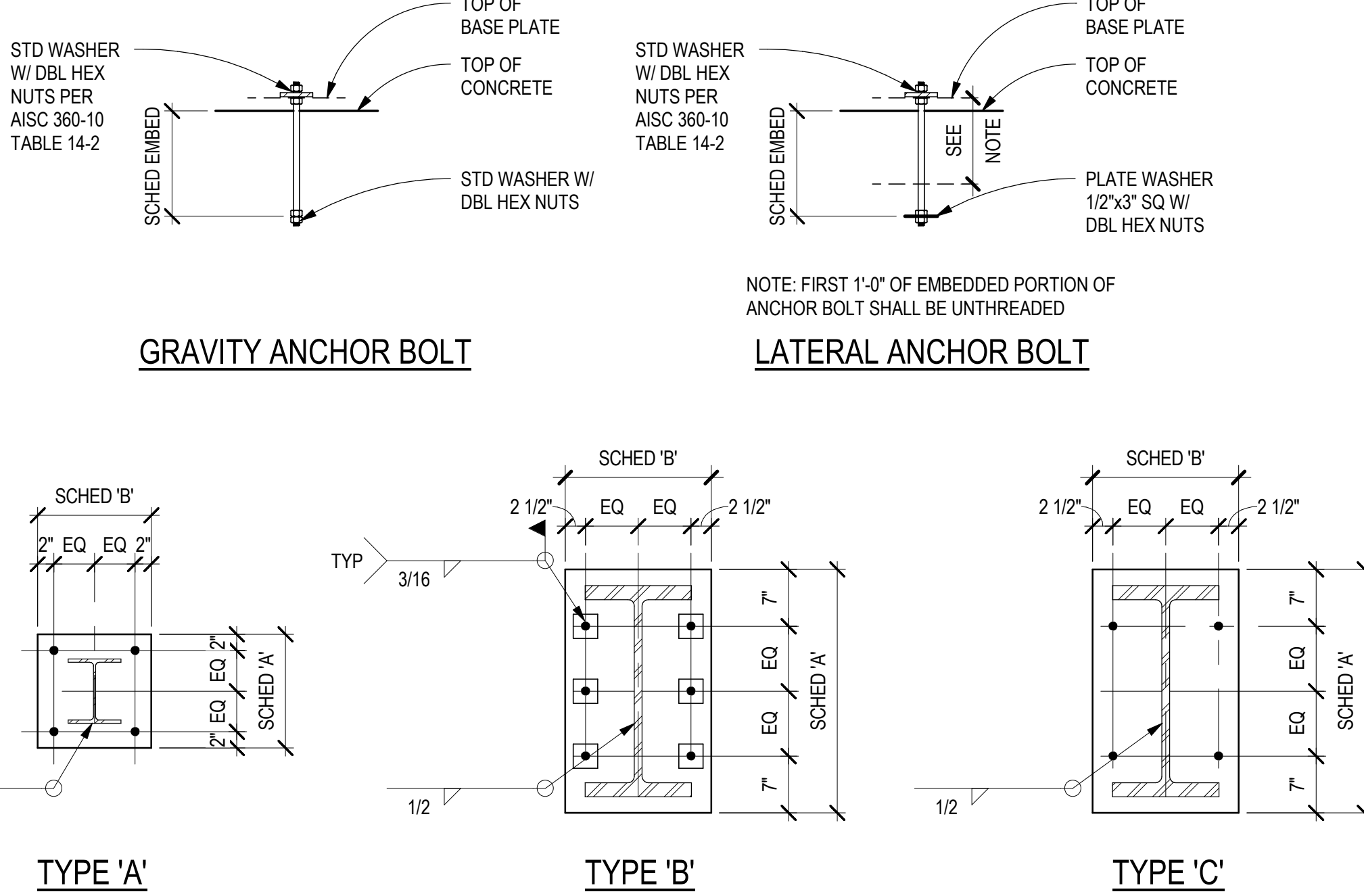
MARK	THICKNESS	MATL	REINFORCING	BEARING STRATA	COMMENTS
D1.SR		--	--		
D6R	X	3"	NW CONC	6x6 - W2 1W2 1 WELD WIRE FABRIC IN FLAT SHEETS	4-5/8" DIA PUDDLE WELDS PER 36" WIDE SHEET
D7.SF	X	4 1/2"	NW CONC	#5 @ 12" OC EA WAY	4-5/8" DIA PUDDLE WELDS PER 36" WIDE SHEET

MARK	TYPE	SIZE	QTY x SIZE x GRADE
BP1	B	PL 2 1/4"x30"x1'-6"	6 - 1 1/4" DIA x 18" F1554 GR 36
BP2	B	PL 2 1/2"x30"x1'-6"	6 - 1 1/4" DIA x 18" F1554 GR 36
BP3	C	PL 2 1/4"x30"x1'-6"	SEE A5 / S5.51
BP4	B	PL 2 1/4"x30"x1'-6"	6 - 1 1/4" DIA x 24" F1554 GR 36

NOTE: FOR GRAVITY BASE PLATES, PROVIDE MAXIMUM OVERSIZED HOLES AND PLATE WASHERS WITH SIZE AND THICKNESS PER AISC 360-10 TABLE 14-2.

MARK	TYPE	SIZE	QTY x SIZE x GRADE
BP1	B	PL 2 1/4"x30"x1'-6"	6 - 1 1/4" DIA x 18" F1554 GR 36
BP2	B	PL 2 1/2"x30"x1'-6"	6 - 1 1/4" DIA x 18" F1554 GR 36
BP3	C	PL 2 1/4"x30"x1'-6"	SEE A5 / S5.51
BP4	B	PL 2 1/4"x30"x1'-6"	6 - 1 1/4" DIA x 24" F1554 GR 36

NOTE: FOR LATERAL BASE PLATES, PROVIDE PLATE WASHERS WITH SIZE AND THICKNESS PER AISC 360-10 TABLE 14-2.



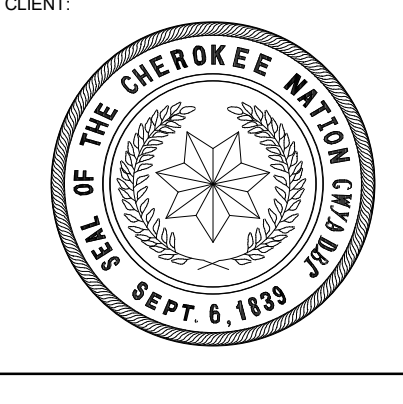
MARK	VEENER	WALL	REINFORCING		GRADE	COMMENTS
			VERTICAL	HORIZONTAL		
WC3	--	8" CONC	#4 @ 12" OC	#4 @ 12" OC	A615	
WC6A	--	8" CONC	#5 @ 9" OC	#4 @ 12" OC	A615	SEE D2/S3.11
WC12	--	12" CONC	#5 @ 12" OC EA FACE	#4 @ 12" OC EA FACE	A615	
WC16	--	16" CONC	#7 @ 12" OC EA FACE	#5 @ 12" OC EA FACE	A615	
WC16A	--	16" CONC	#7 @ 12" OC EA FACE	#5 @ 12" OC EA FACE	A615	
WC16B	--	16" CONC	#5 @ 12" OC EA FACE	#5 @ 12" OC EA FACE	A615	
WC22	--	22" CONC	#5 @ 12" OC EA FACE	#5 @ 12" OC EA FACE	A615	

MARK	WIDTH	LENGTH	DEPTH	REINFORCING		COMMENTS
				BOTTOM	TOP	
F30	2'-6"	2'-6"	1'-0"	4 - #4 E/WAY	10 - #7 E/WAY	STD HOOK EACH END OF EACH BAR
F36	3'-0"	3'-0"	1'-0"	4 - #4 E/WAY	10 - #7 E/WAY	
F96	8'-0"	8'-0"	2'-0"	10 - #7 E/WAY	14 - #7 E/WAY	
F108	9'-0"	9'-0"	2'-3"	12 - #7 E/WAY	14 - #7 E/WAY	
F120	10'-0"	10'-0"	2'-6"	14 - #7 E/WAY	14 - #7 E/WAY	
F132	11'-0"	11'-0"	2'-9"	12 - #8 E/WAY	12 - #8 E/WAY	
F144	12'-0"	12'-0"	2'-9"	15 - #8 E/WAY	15 - #8 E/WAY	
F156	13'-0"	10'-0"	2'-0"	15 - #7 E/WAY		CONTINUOUS FOOTING REINFORCEMENT SHALL BE CONTINUOUS THROUGH FOOTING
F156A	13'-0"	13'-0"	2'-9"	18 - #8 E/WAY	18 - #8 E/WAY	CONTINUOUS FOOTING REINFORCEMENT SHALL BE CONTINUOUS THROUGH FOOTING
F168	14'-0"	14'-0"	3'-0"	18 - #9 E/WAY	18 - #9 E/WAY	
F180	15'-0"	15'-0"	3'-3"	22 - #9 E/WAY	22 - #9 E/WAY	
F192	16'-0"	12'-0"	3'-3"	20 - #9 E/WAY	20 - #9 E/WAY	
F480	12'-0"	40'-0"	2'-6"	#8 @ 9" OC EA WAY	#8 @ 9" OC EA WAY	
F504	12'-0"	42'-0"	2'-6"	#8 @ 8" OC EA WAY	#8 @ 8" OC EA WAY	
F528	13'-0"	44'-0"	2'-6"	#8 @ 8" OC EA WAY	#8 @ 8" OC EA WAY	
F828	13'-0"	69'-0"	2'-6"	#8 @ 8" OC EA WAY	#8 @ 8" OC EA WAY	

MARK	WIDTH	DEPTH	REINFORCING		COMMENTS
			CONTINUOUS	TRANSVERSE	
CF36	3'-0"	1'-0"	4 - #4 BOT	#4 @ 12" OC BOT	
CF48	4'-0"	1'-0"	5 - #5 BOT	#5 @ 12" OC BOT	
CF60	5'-0"	1'-3"	8 - #5 BOT	#5 @ 12" OC BOT	
CF72	6'-0"	1'-3"	10 - #5 BOT	#5 @ 12" OC BOT	
CF84	7'-0"	1'-3"	12 - #5 TOP & BOT	#5 @ 12" OC TOP & BOT	
CF96	8'-0"	1'-6"	10 - #7 TOP & BOT	#7 @ 12" OC TOP & BOT	
CF120	10'-0"	1'-6"	12 - #7 TOP & BOT	#7 @ 12" OC TOP & BOT	
CF132	11'-0"	1'-6"	12 - #7 TOP & BOT	#7 @ 12" OC TOP & BOT	
CF156	13'-0"	2'-0"	18 - #7 TOP & BOT	#7 @ 12" OC TOP & BOT	

A1 TYPICAL CONCRETE SITE RETAINING WALL SCHEDULE AND DETAIL

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



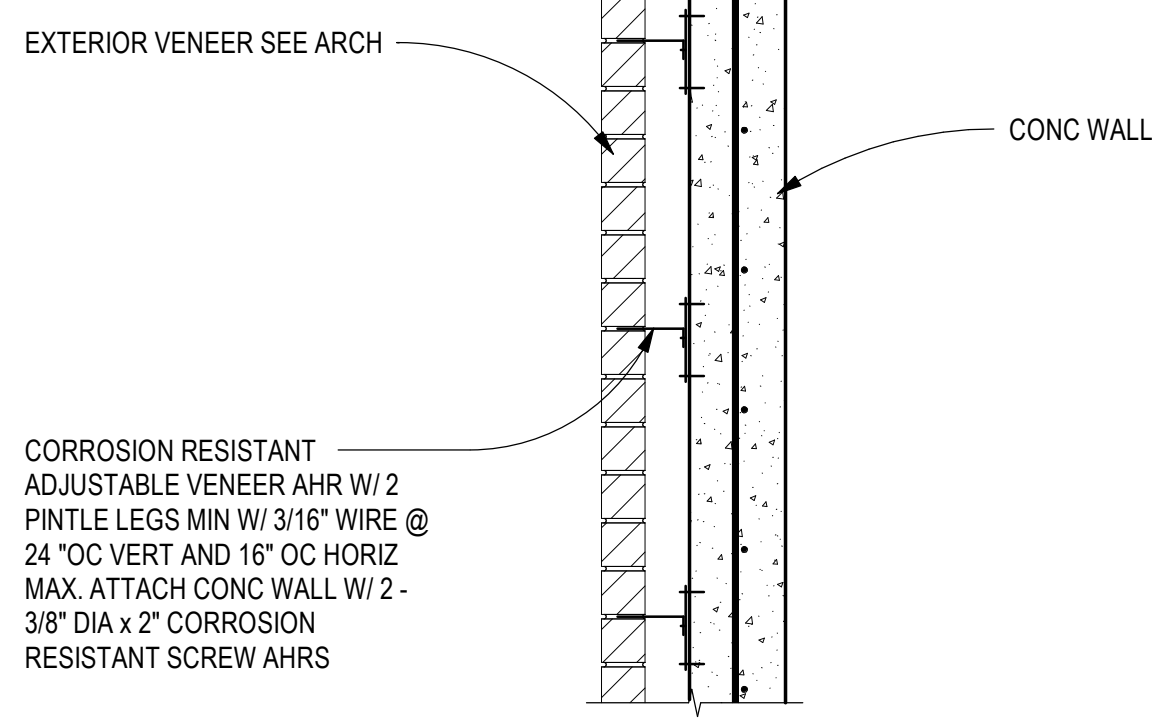
COLLEGE OF Osteopathic Medicine AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA

#	DATE	REVISIONS
1	4/20/19	BID PACKAGE 03 ABI 01
2	5/24/19	BID PACKAGE 03 ABI 02

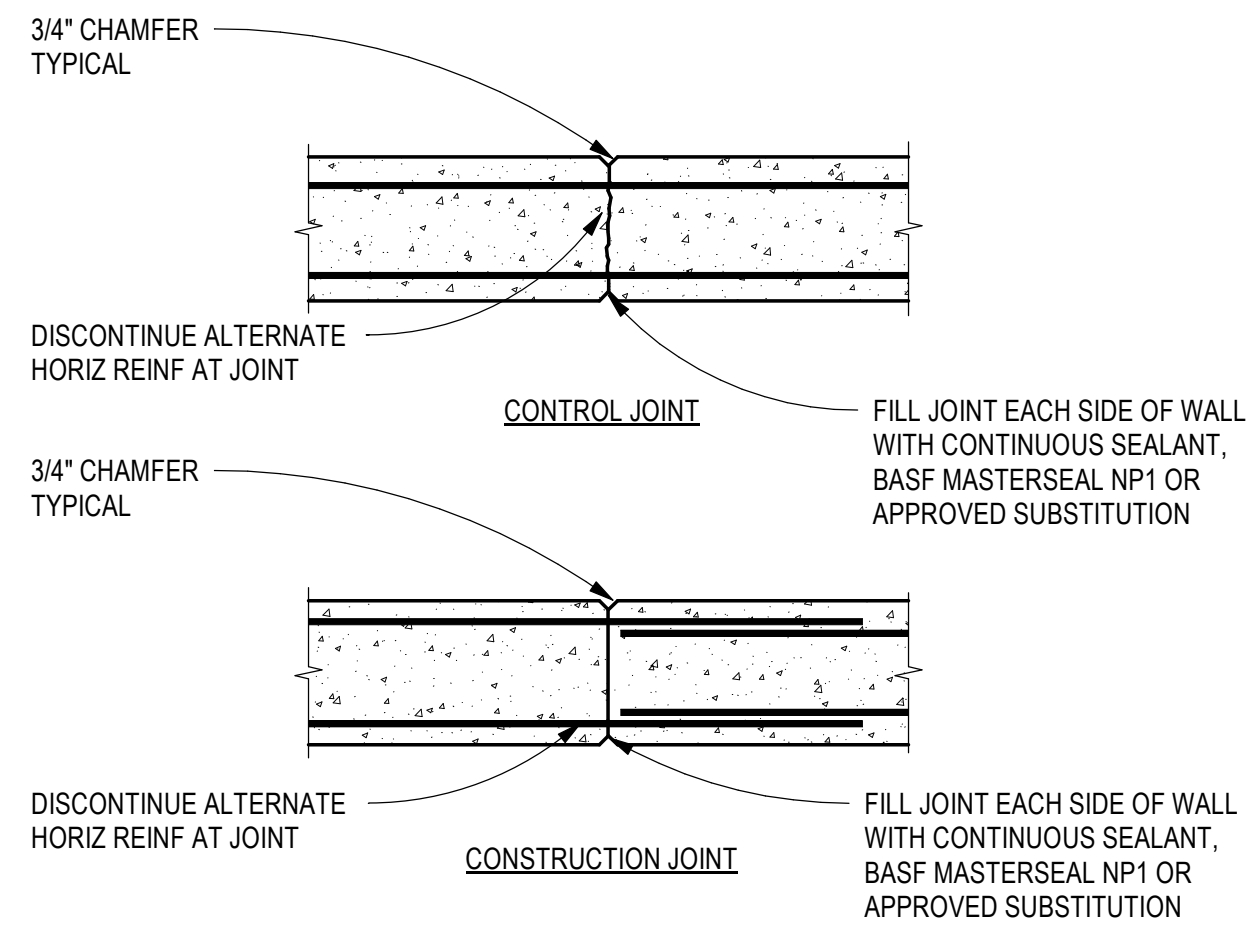
DATE:	JOB NUMBER:
03-20-19	17-13

SHEET NUMBER: **S6.01**

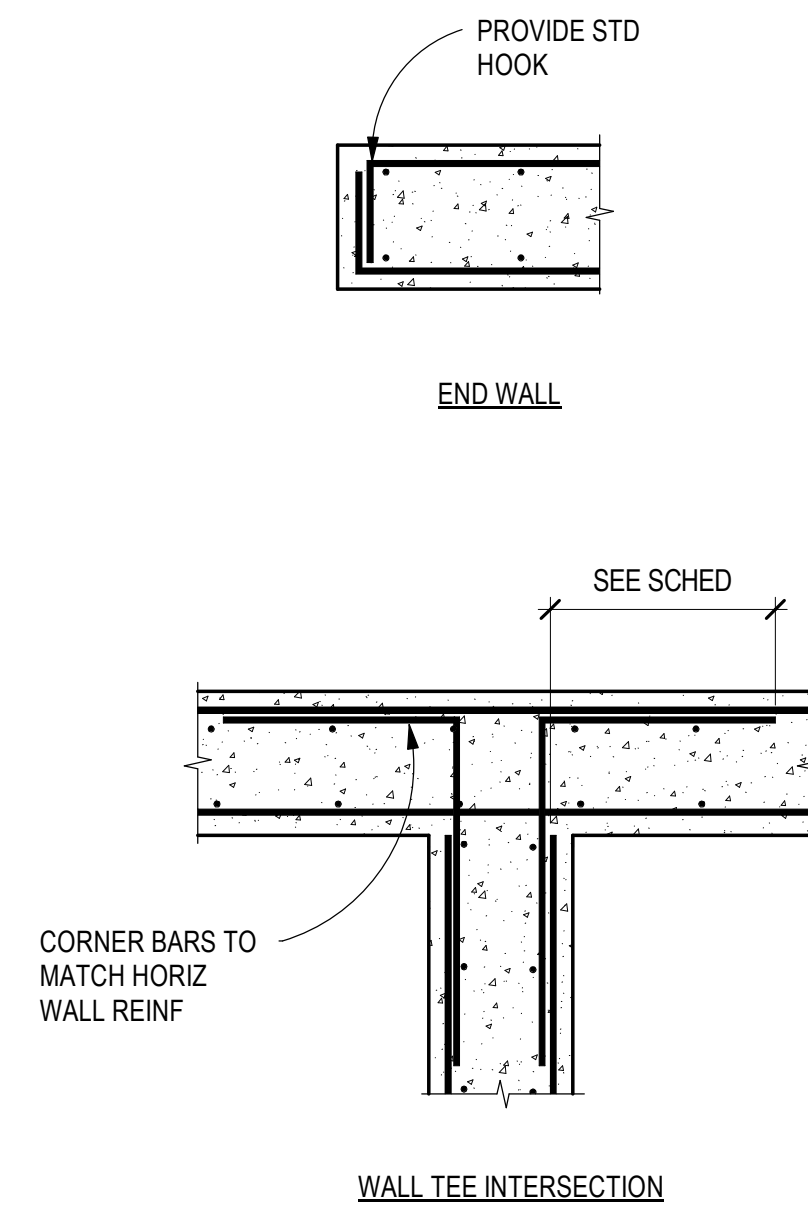
SCHEDULES



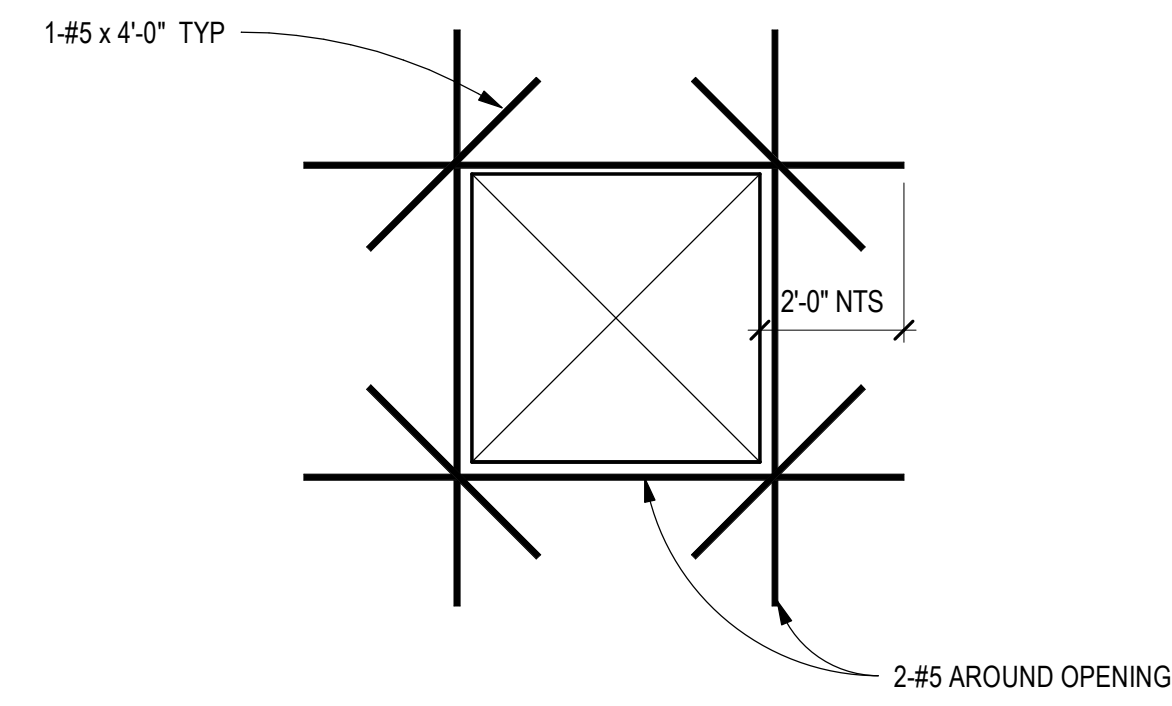
D1 TYPICAL VENEER TO CONC WALL
SCALE: NTS



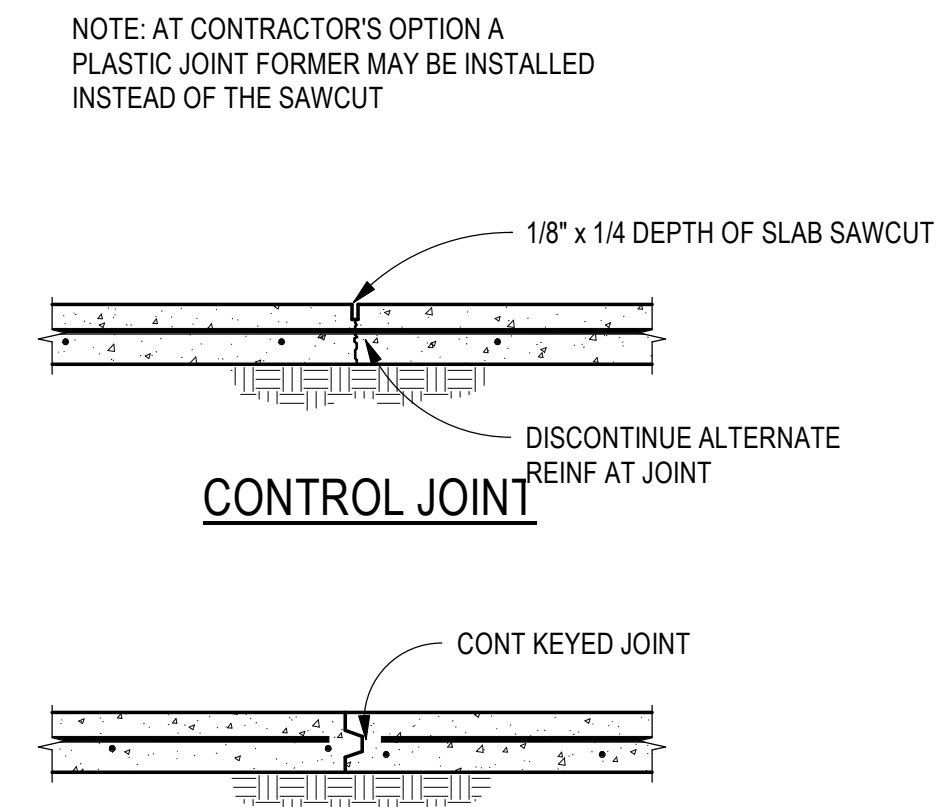
D2 TYPICAL WALL JOINT DETAIL
SCALE: NTS



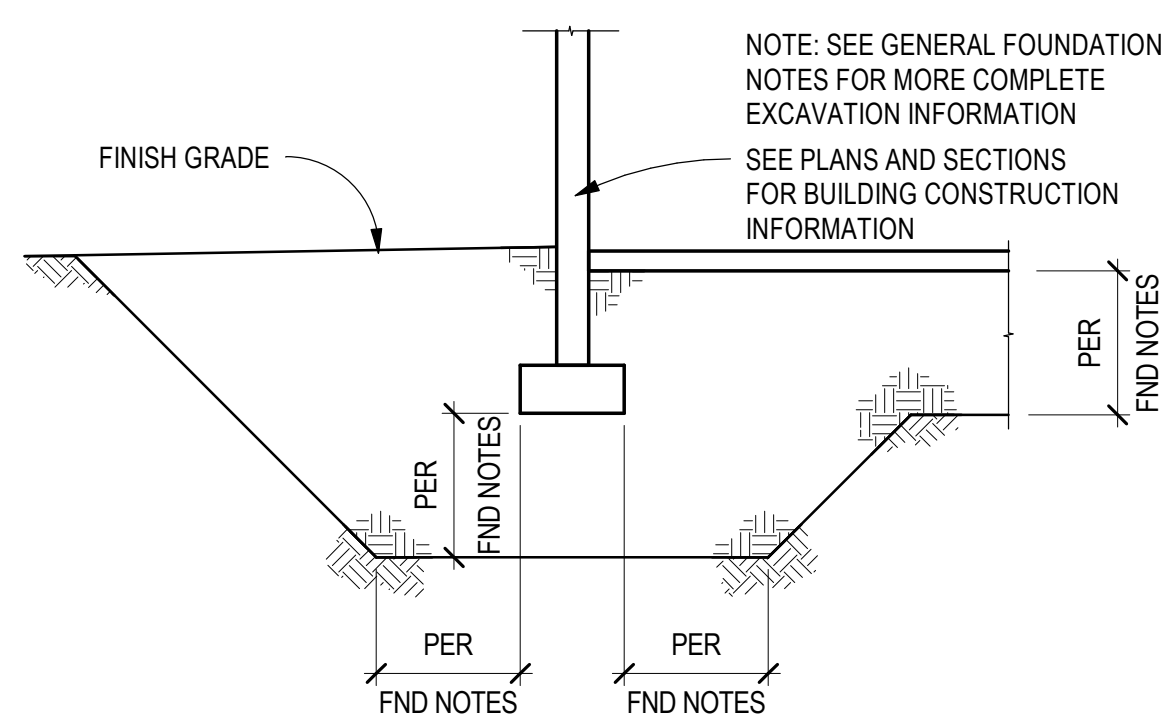
C3 TYPICAL DOUBLE MAT WALL REINF
SCALE: NTS



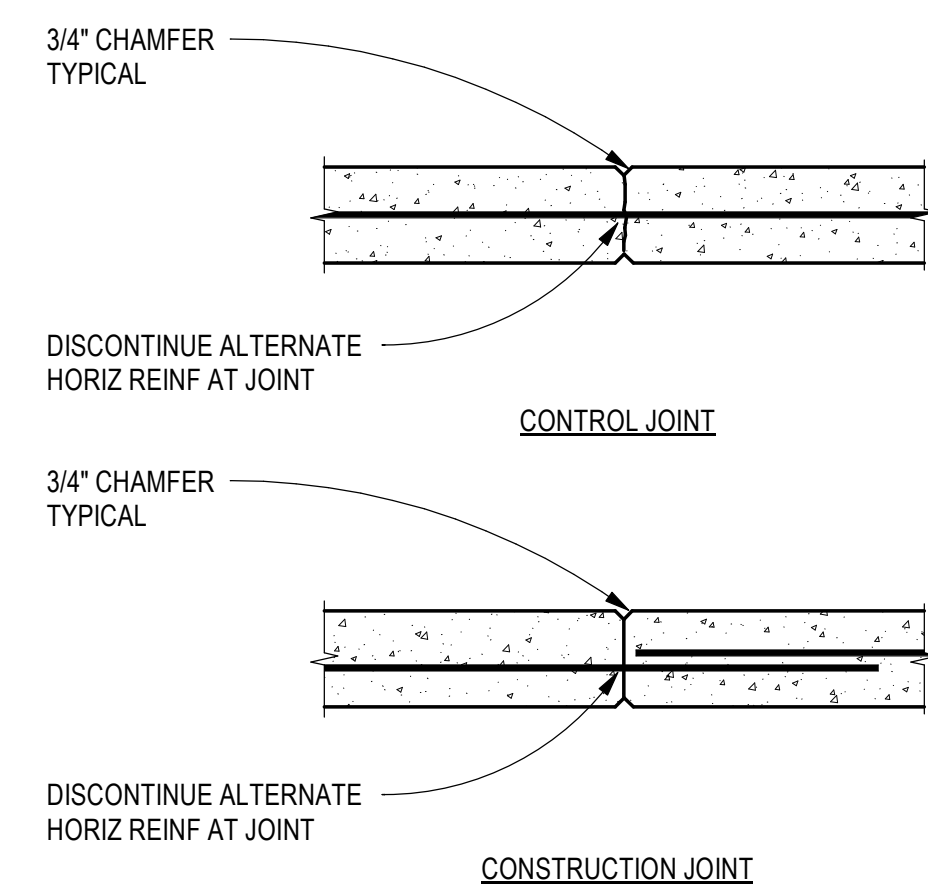
D4 TYPICAL OPNG IN CONC WALL DETAIL
SCALE: NTS



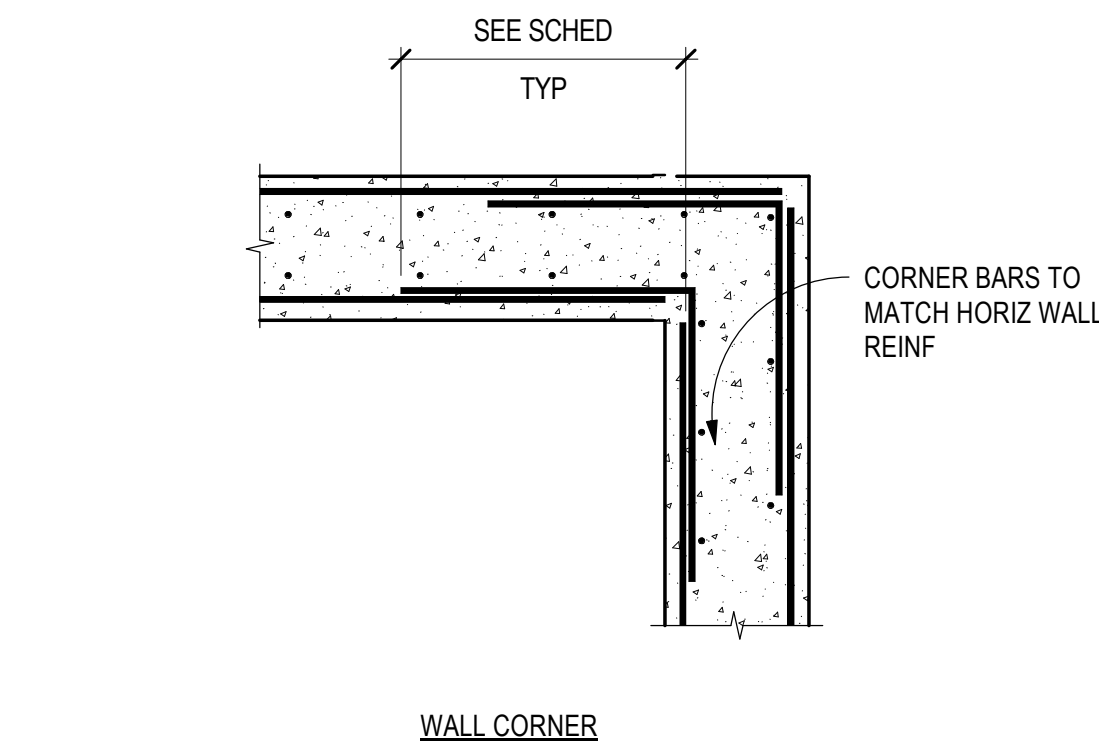
D5 TYPICAL SLAB JOINT
SCALE: NTS



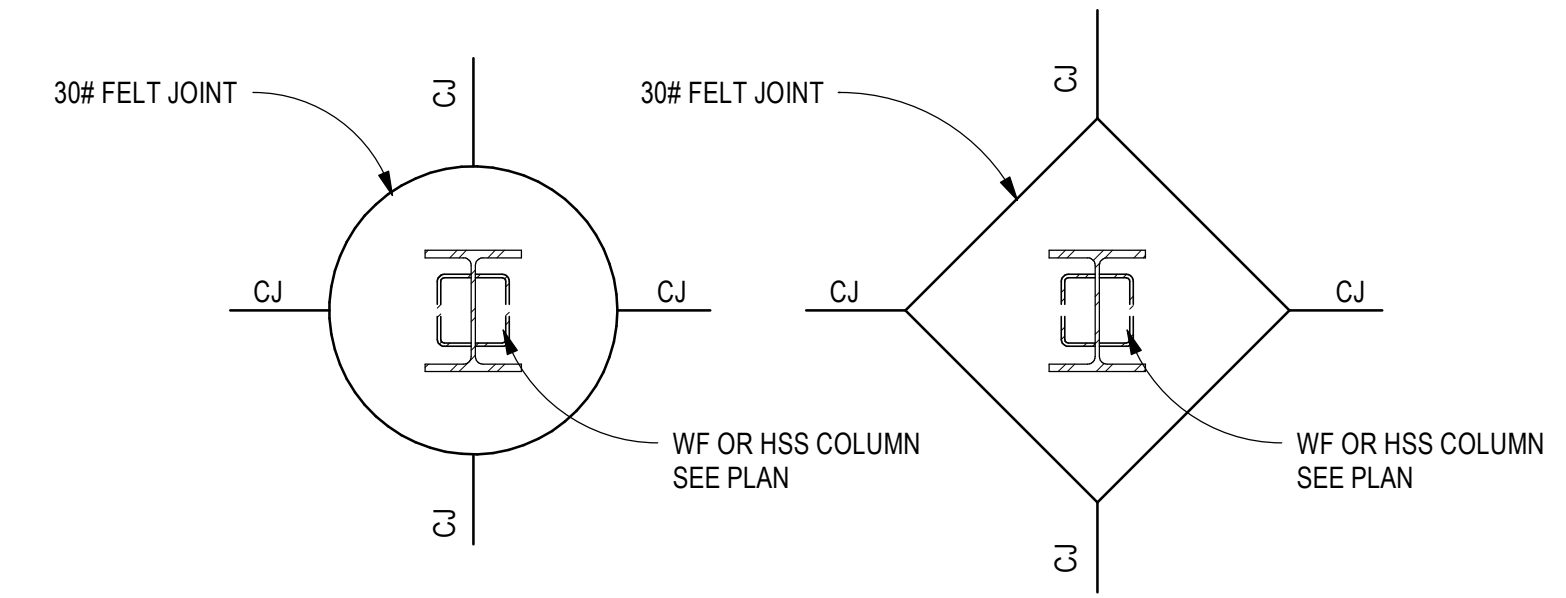
C1 TYPICAL FND EXCAVATION DETAIL
SCALE: NTS



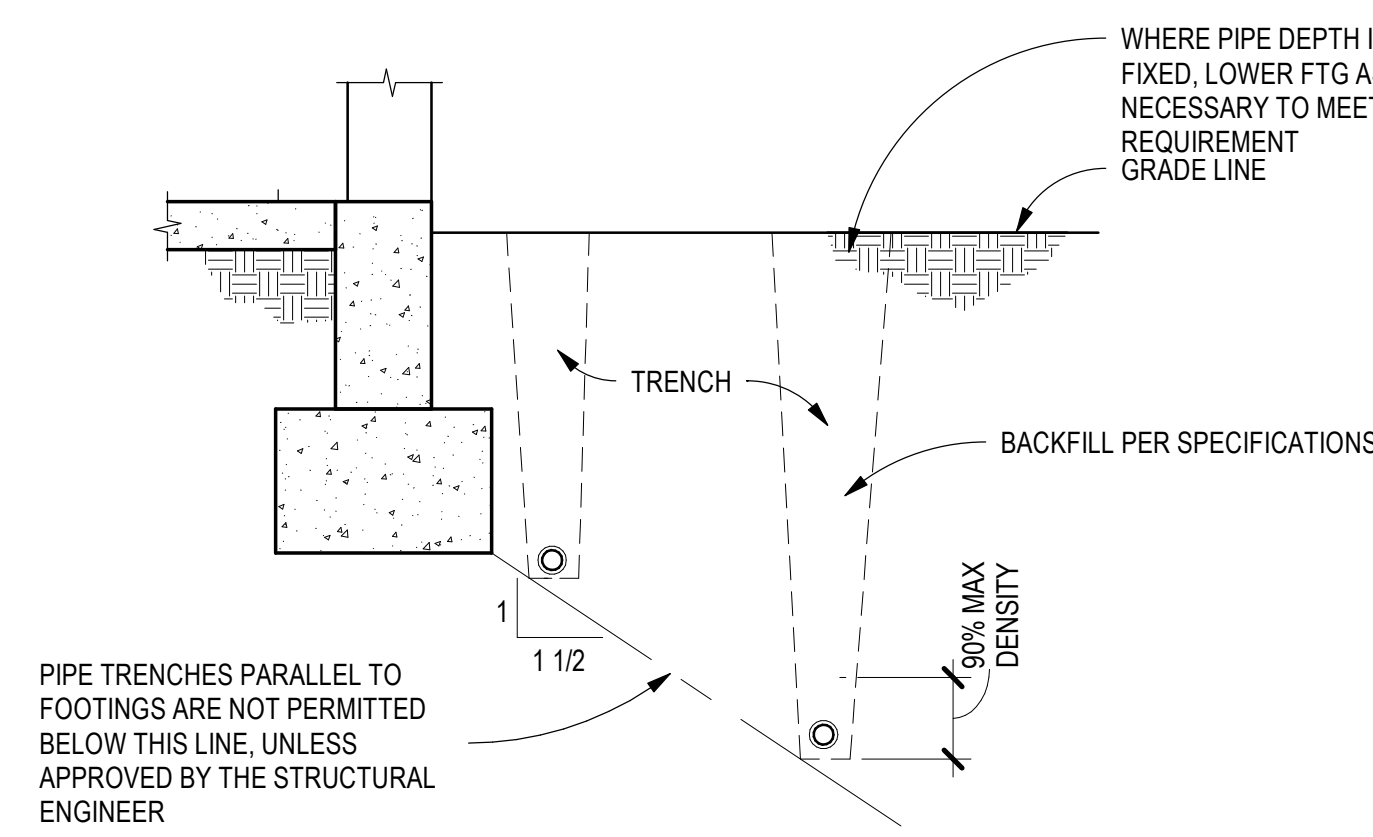
C2 TYPICAL WALL JOINT DETAIL
SCALE: NTS



C4 TYPICAL DEPRESSED SLAB
SCALE: 3/4\"/>



C5 TYPICAL COLUMN BLOCKOUT
SCALE: NTS

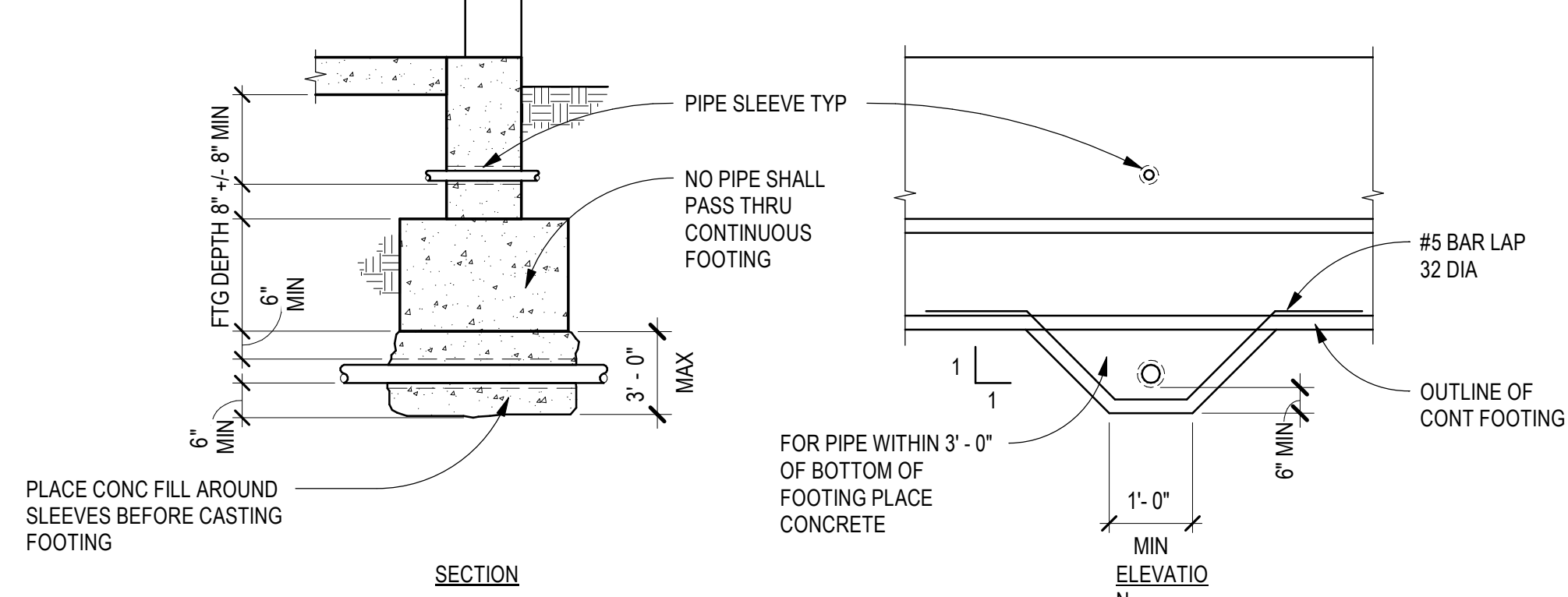


A1 TYPICAL PIPE PENETRATION AND TRENCH DETAILS
SCALE: NTS

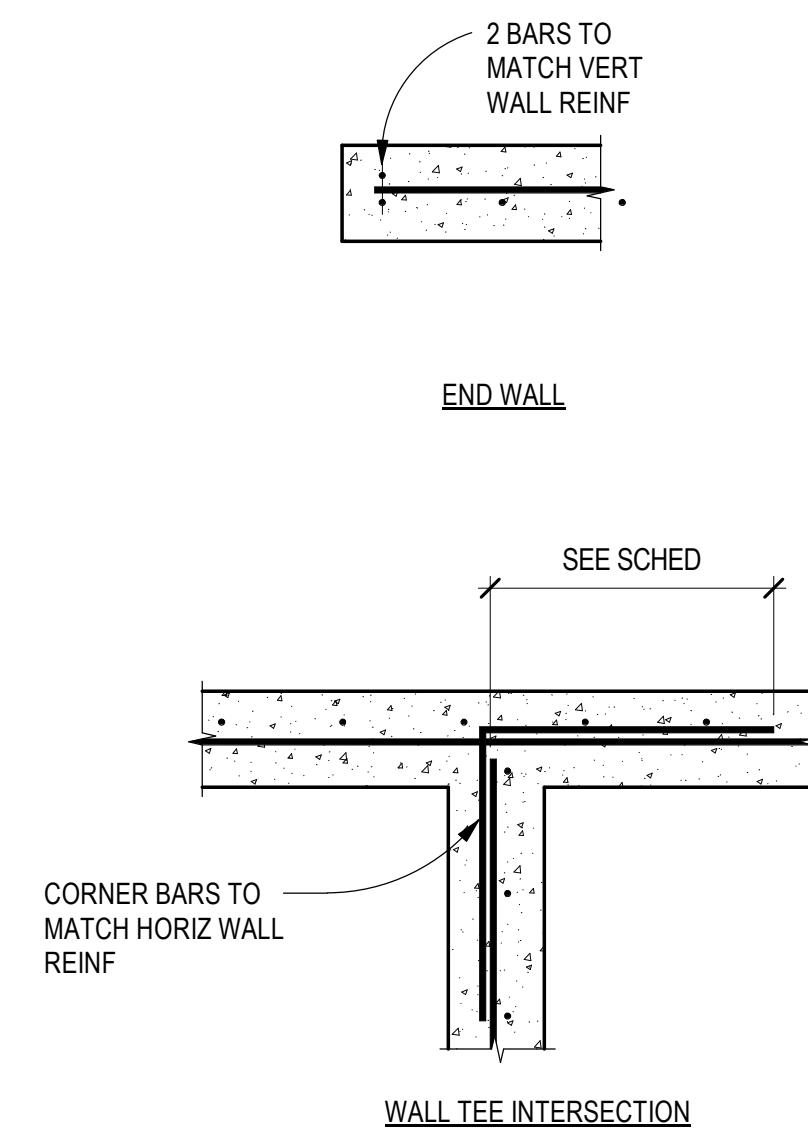
PIPE AND TRENCHES PARALLEL TO FOOTINGS

- NOTES:
- FOR PIPES MORE THAN 3'-0" BELOW BOTTOM OF FTG USE COMPACTED FILL PER SPECIFICATIONS.
 - TRENCHES AND PIPES ARE NOT PERMITTED BELOW COLUMN FTGS

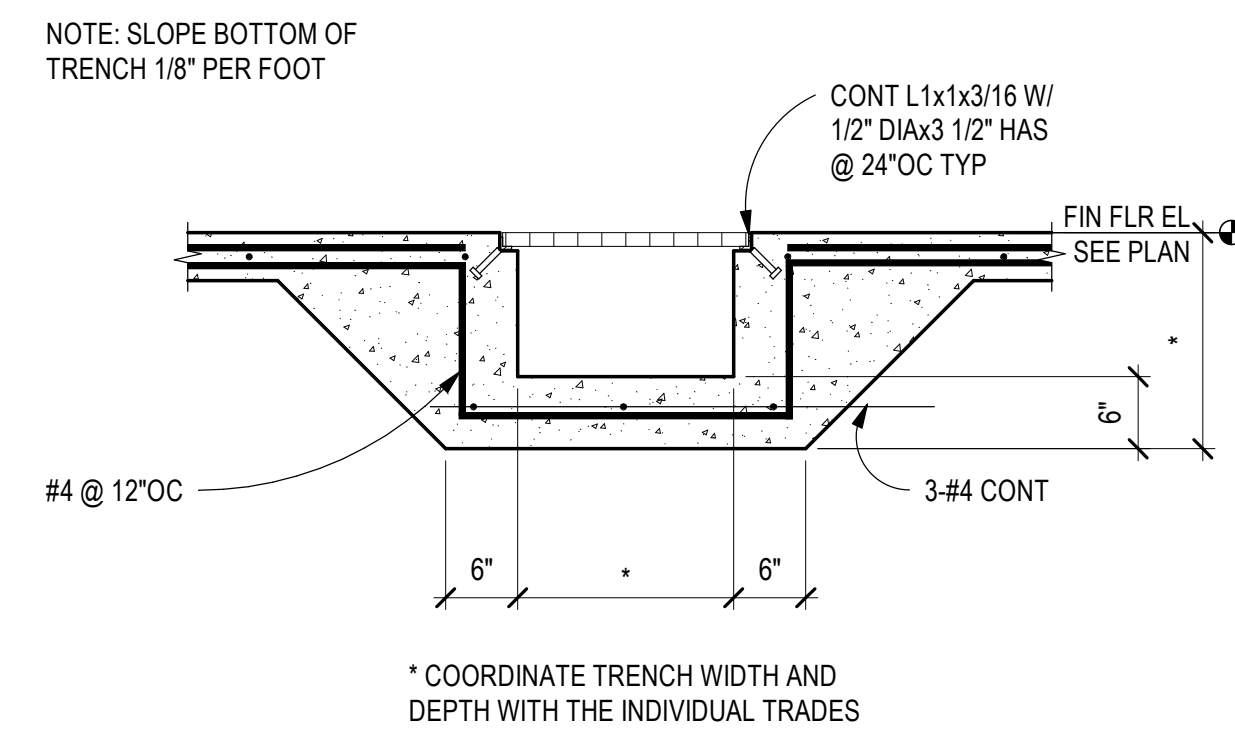
NOTE: ALL PIPE SLEEVES SHALL BE 2" LARGER THAN PIPE



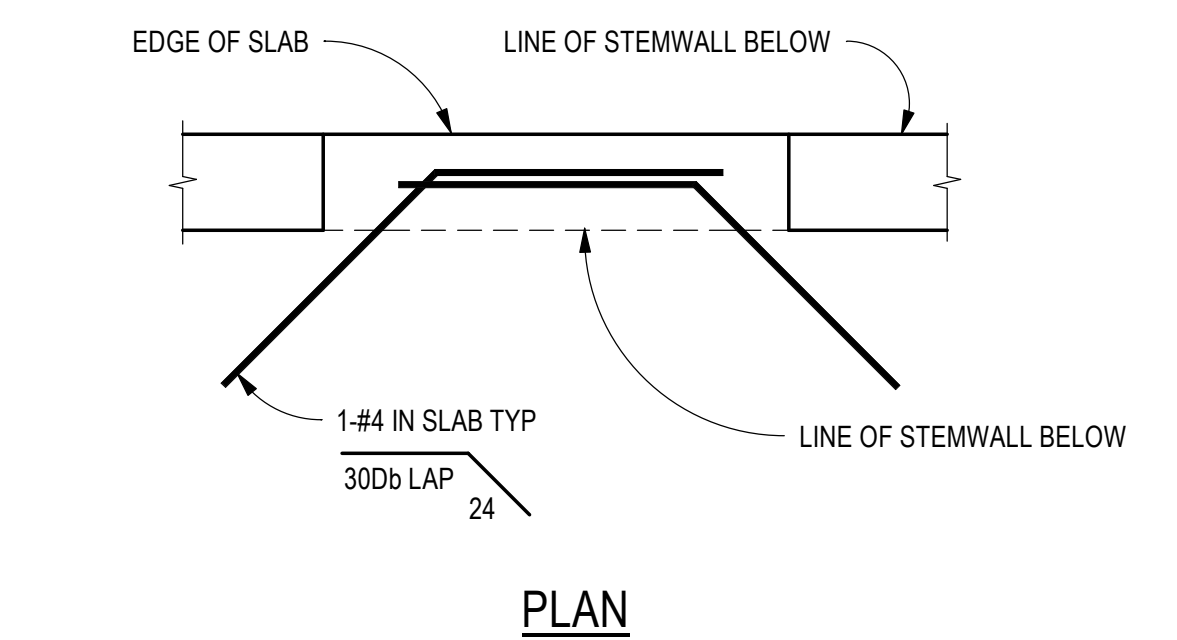
PIPE AND TRENCHES TRANSVERSE TO FOOTINGS



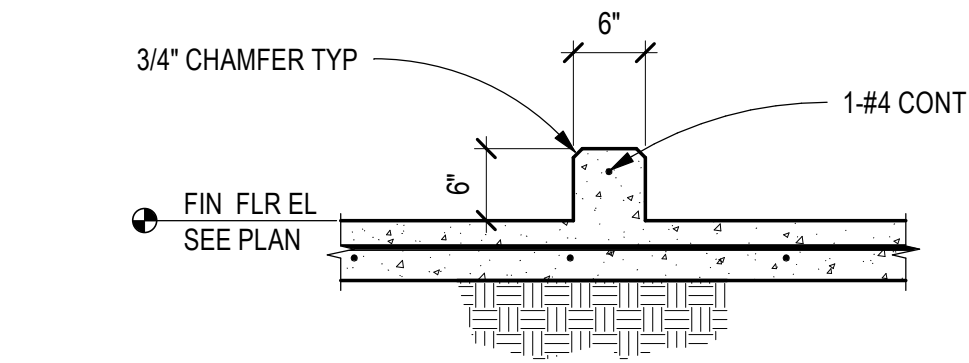
A3 TYPICAL SINGLE MAT WALL REINF
SCALE: NTS



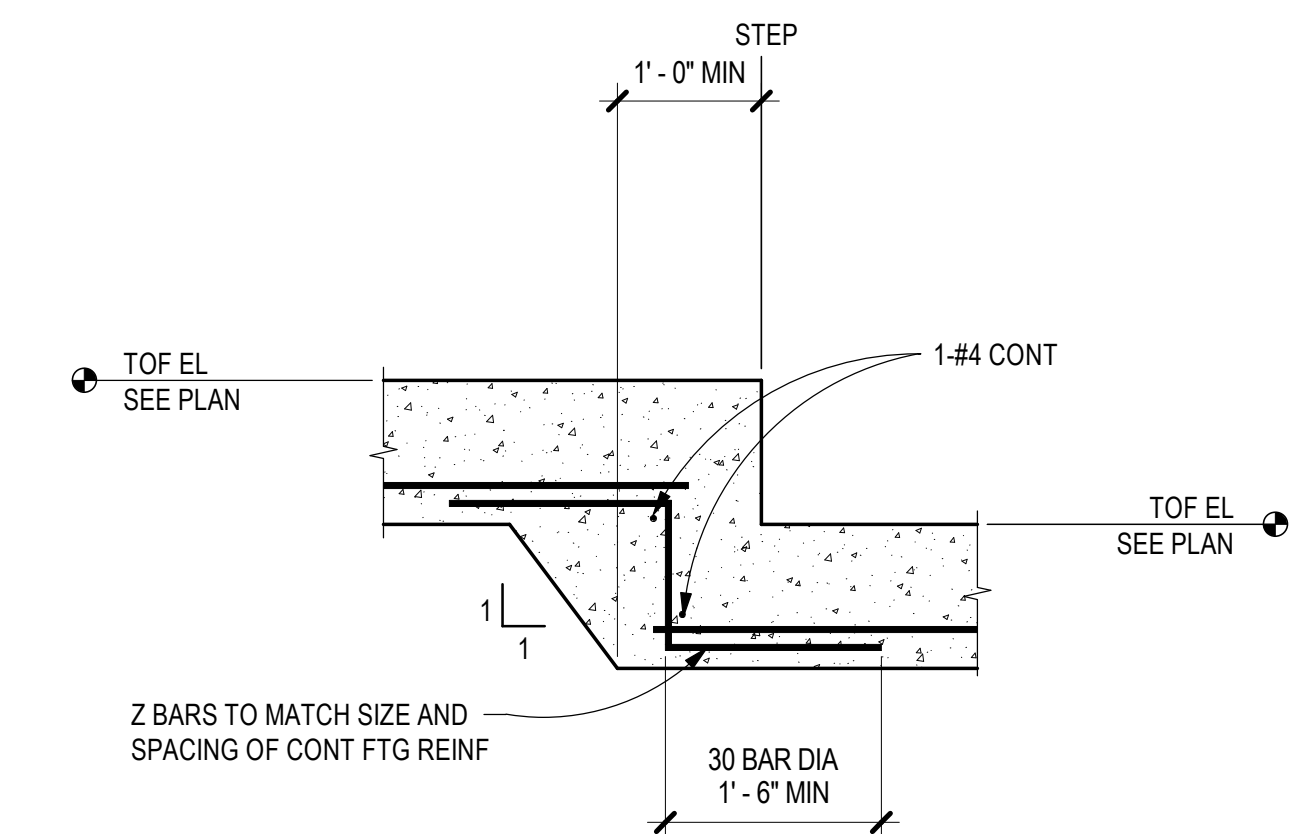
B4 TYPICAL TRENCH SECTION
SCALE: NTS



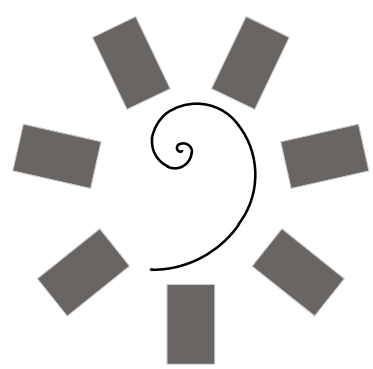
B5 TYPICAL SLAB REINF AT OPNG
SCALE: NTS



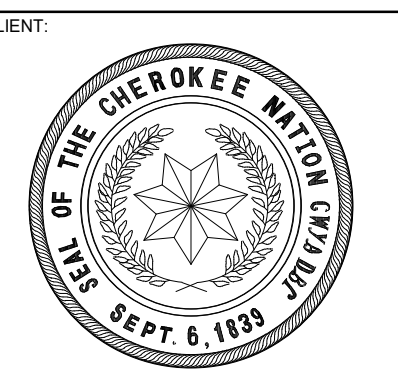
A4 TYPICAL CURB SECTION
SCALE: NTS



A5 TYPICAL STEPPED FOOTING DETAIL
SCALE: NTS



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COLLEGE OF
Osteopathic Medicine
AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA



PROJECT PHASE:

#	DATE	REVISIONS	DESCRIPTION

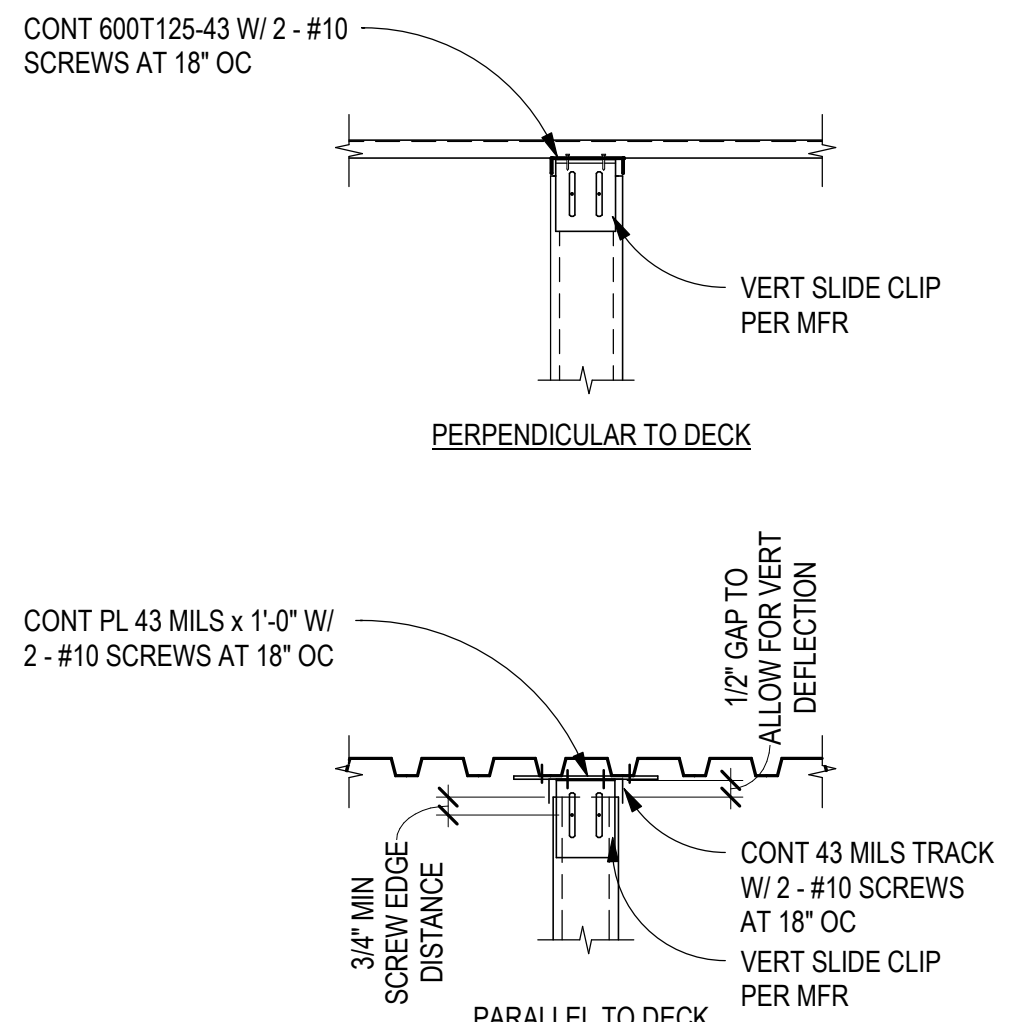
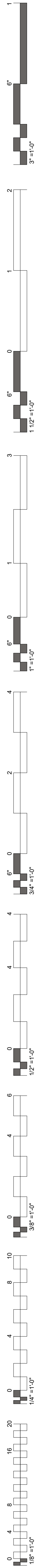
DATE: 03-20-19
JOB NUMBER: 17-13

SHEET NUMBER:

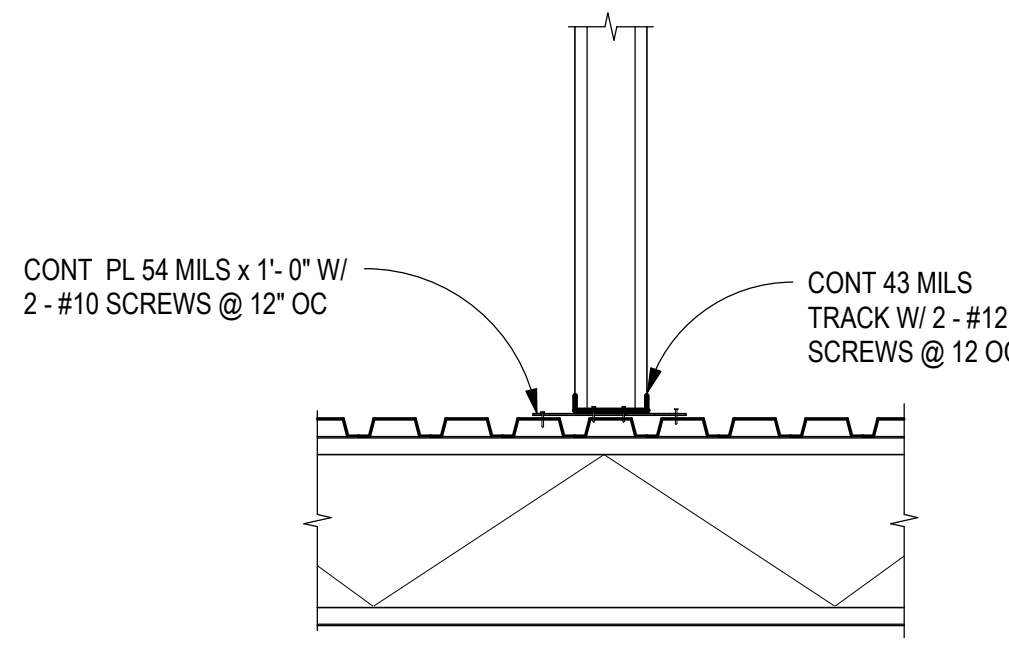
S7.11

TYPICAL CONCRETE DETAILS

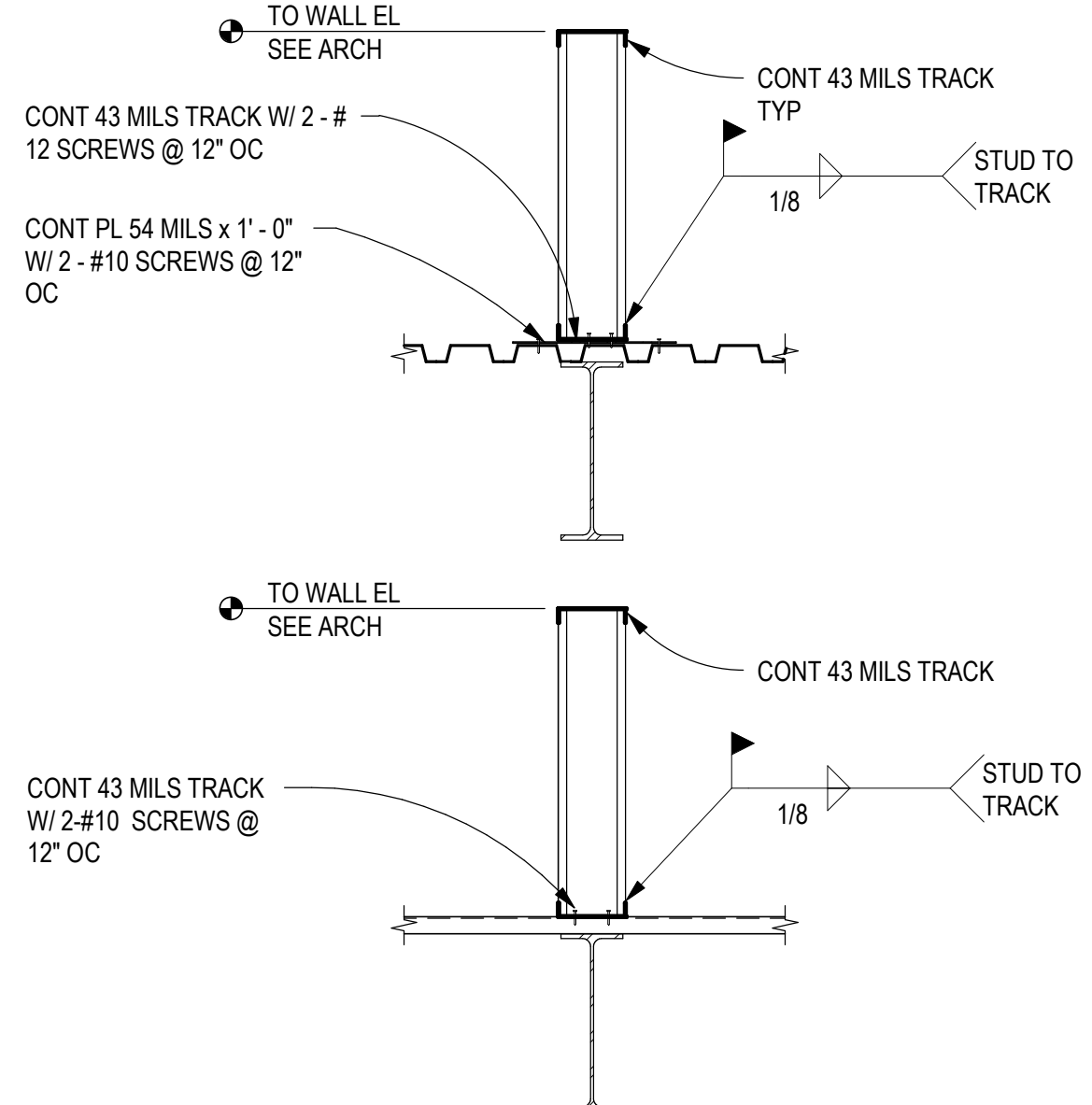
NOTE: THIS STRUCTURAL PACKAGE IS FOR FOUNDATIONS ONLY. ANY CHANGES TO THE PROJECT, INCLUDING, BUT NOT LIMITED TO: LOADING REQUIREMENTS, GEOMETRY CHANGES IN PLAN OR ELEVATION, SPACE USAGE REVISIONS, OR VALUE ENGINEERING MAY AFFECT THE STRUCTURAL STEEL MEMBER REQUIREMENTS SHOWN IN THESE DRAWINGS.



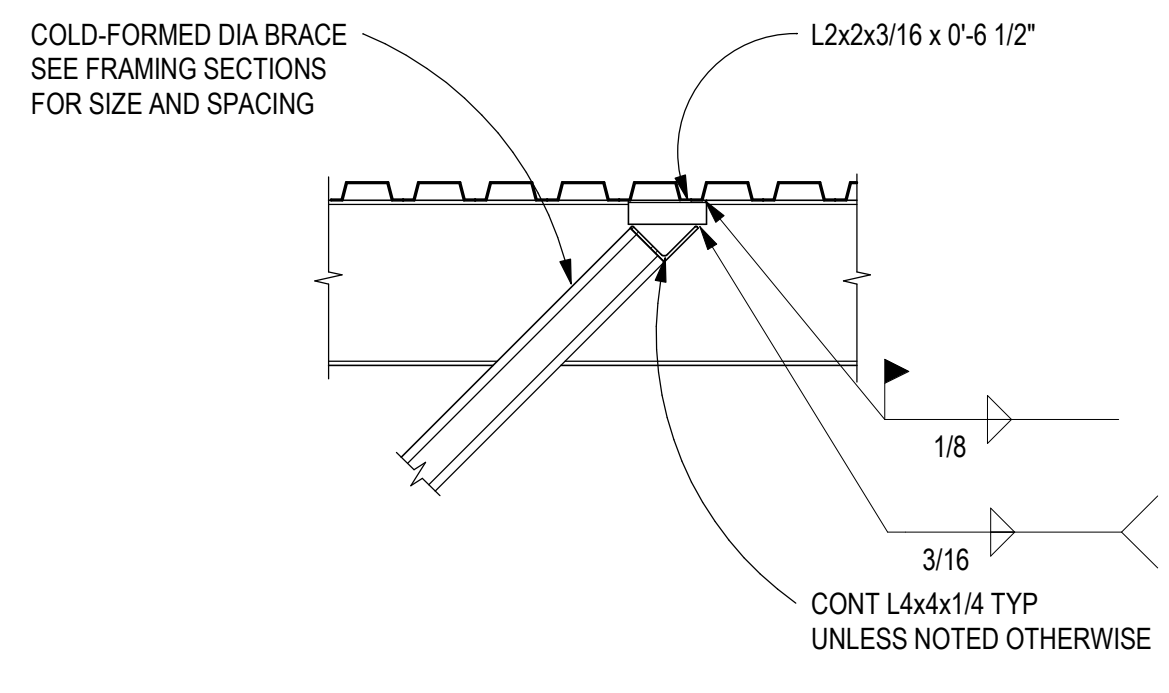
D4 TYPICAL SLIP TRACK ASSEMBLY
SCALE: NTS



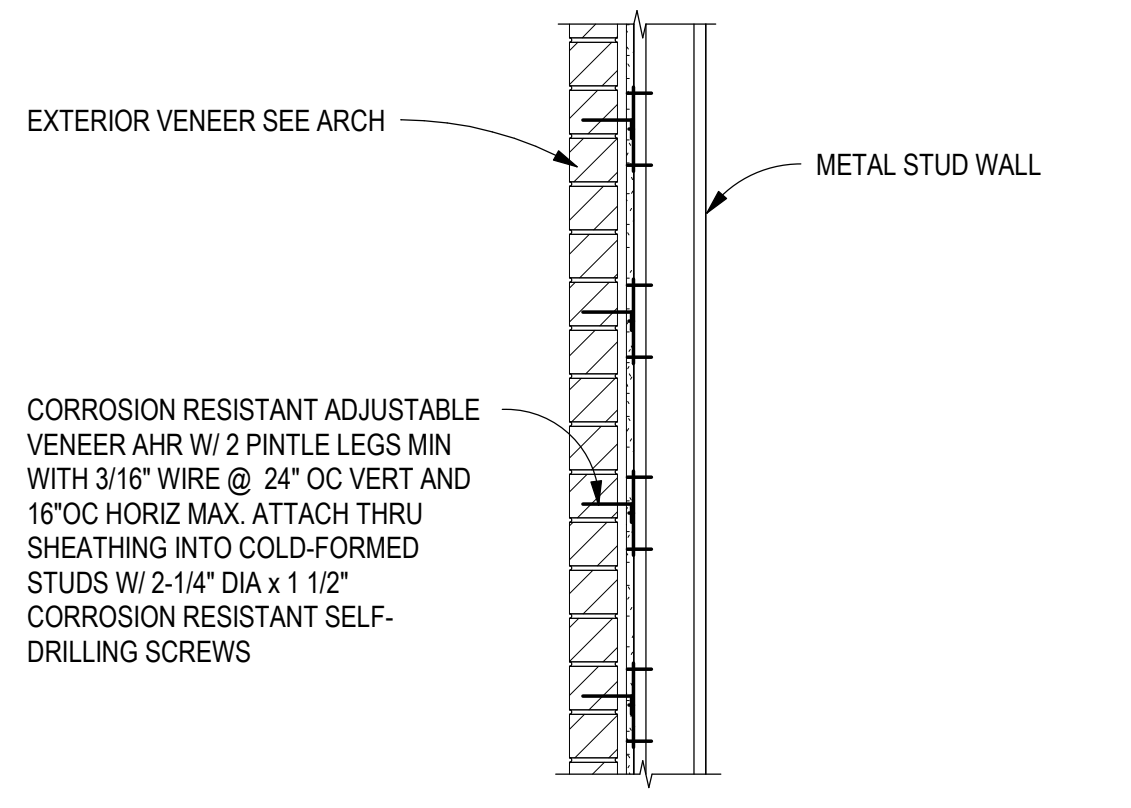
C4 TYPICAL STUD AT METAL DECK
SCALE: 3/4" = 1'-0"



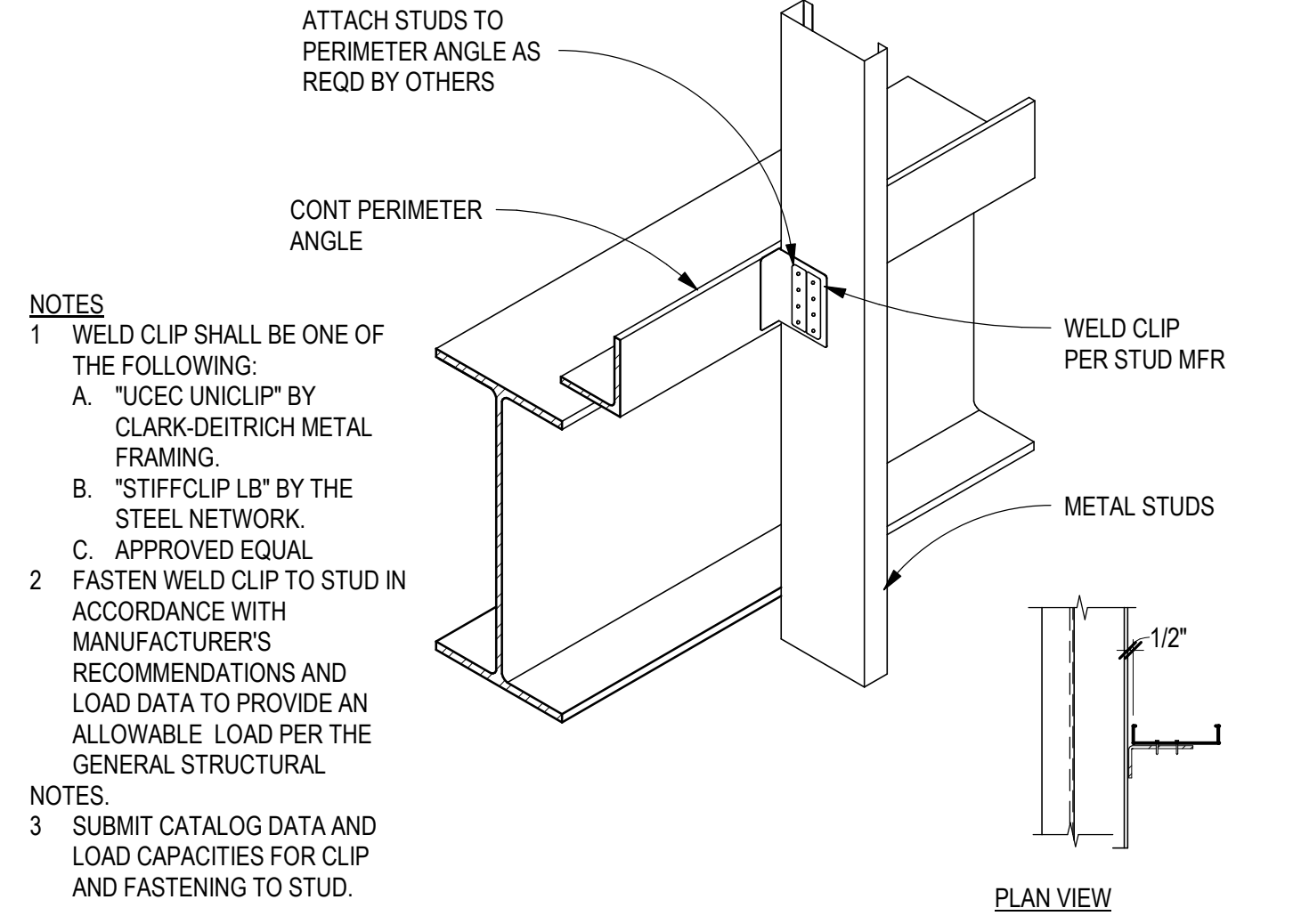
B4 TYPICAL PARAPET TO DECK
SCALE: 3/4" = 1'-0"



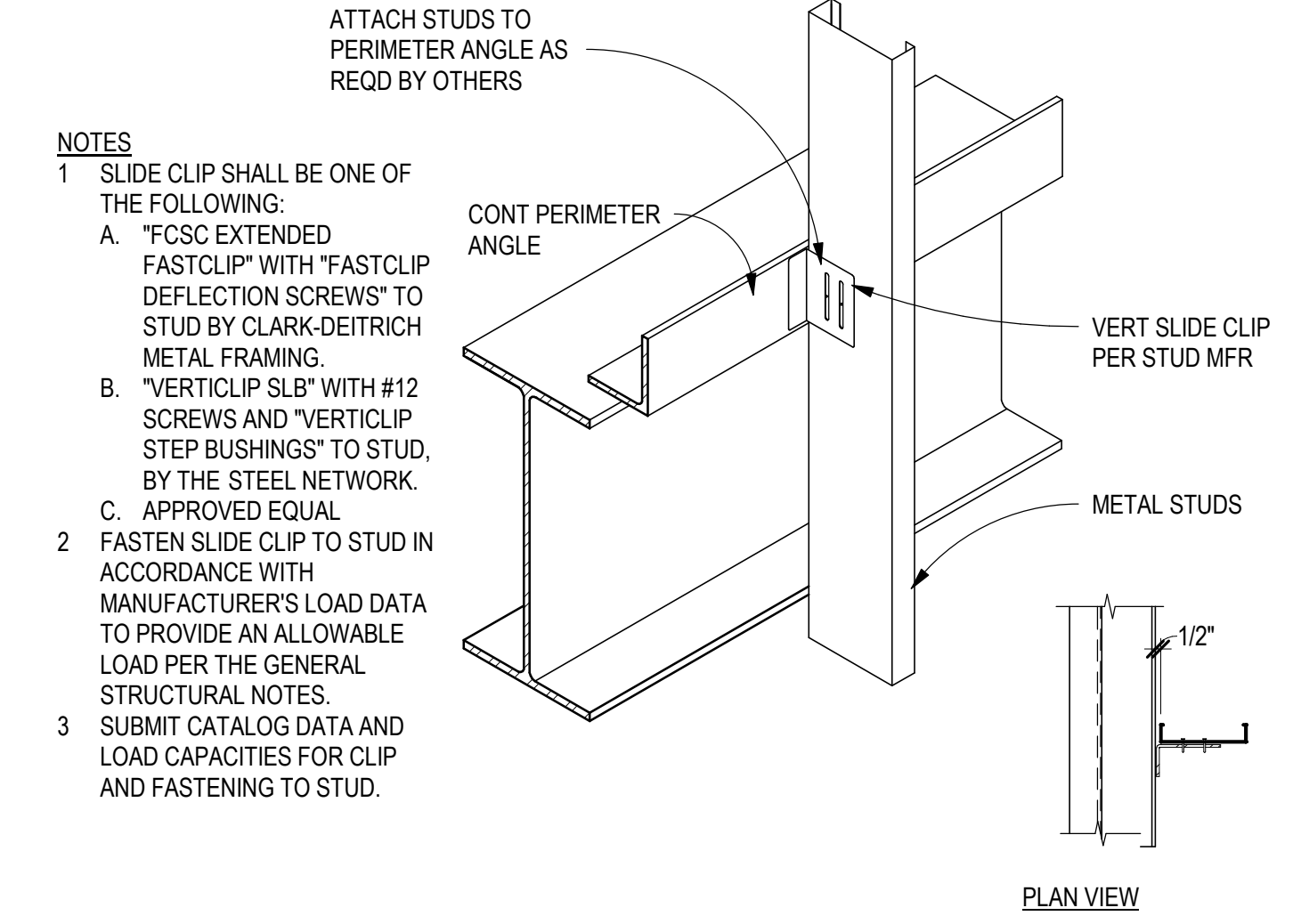
A3 TYPICAL DIAG BRACE TO DECK
SCALE: 3/4" = 1'-0"



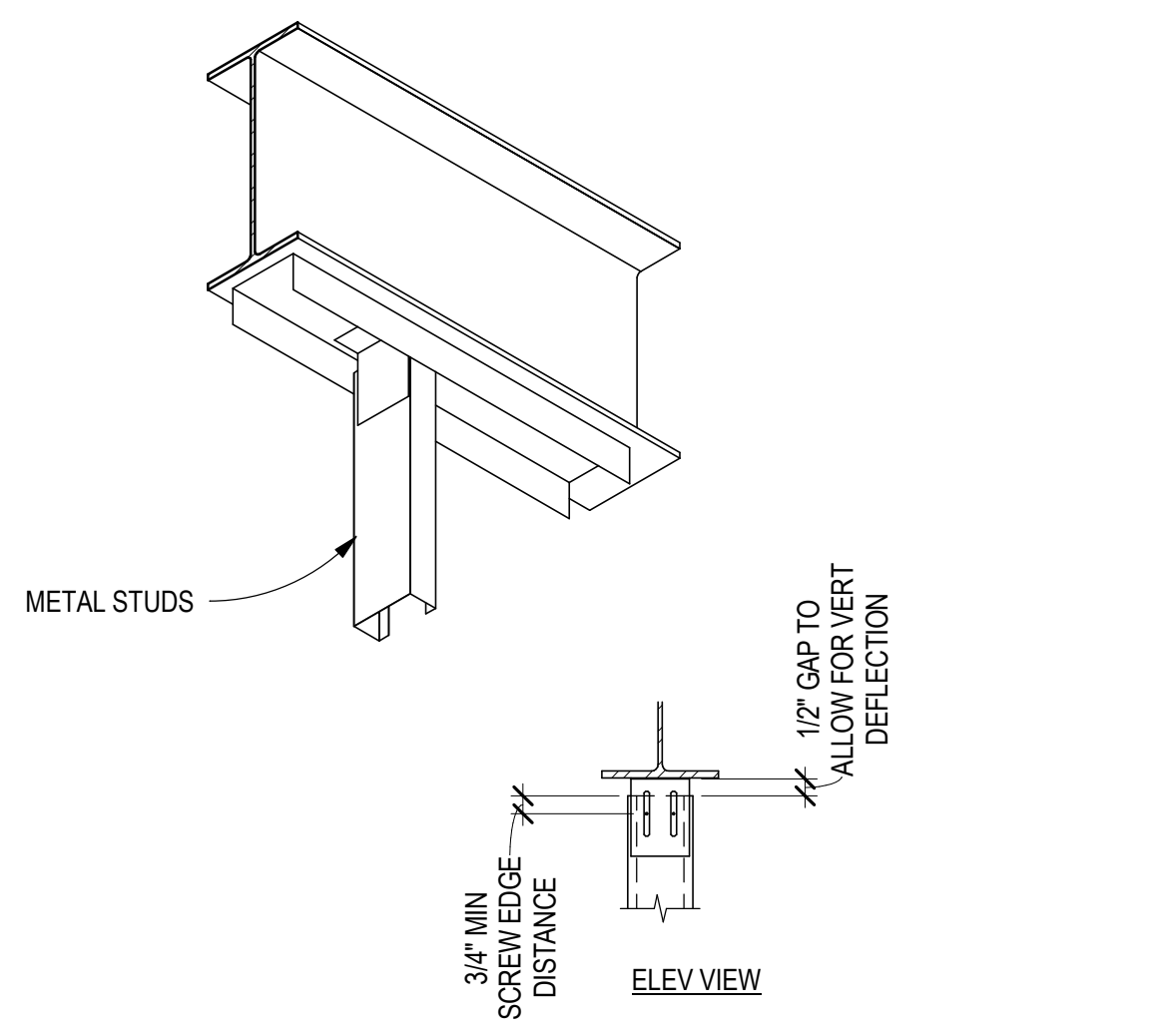
A4 TYPICAL VENEER ON MTL STUDS
SCALE: 3/4" = 1'-0"



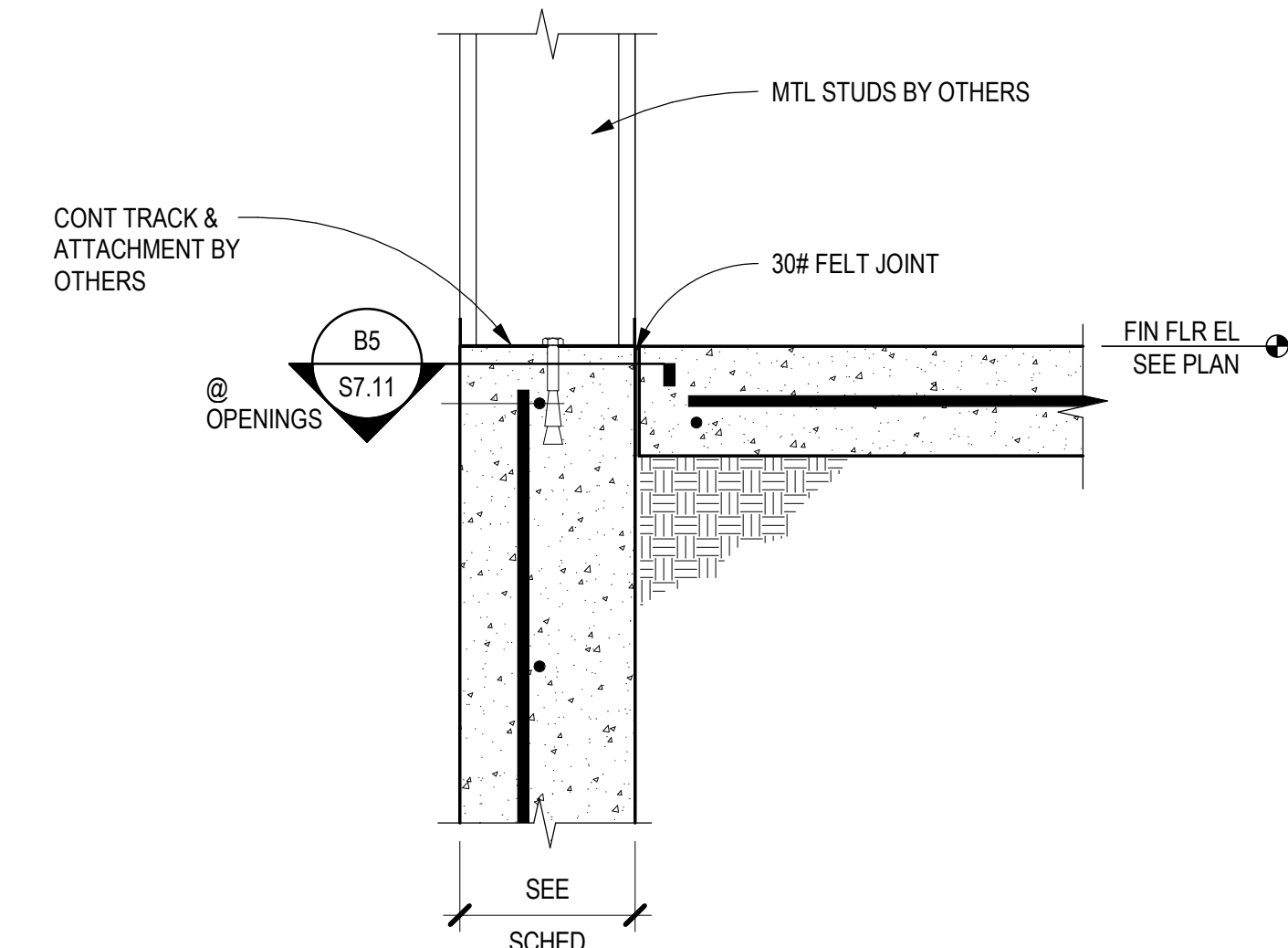
D5 TYPICAL WELD CLIP
SCALE: NTS



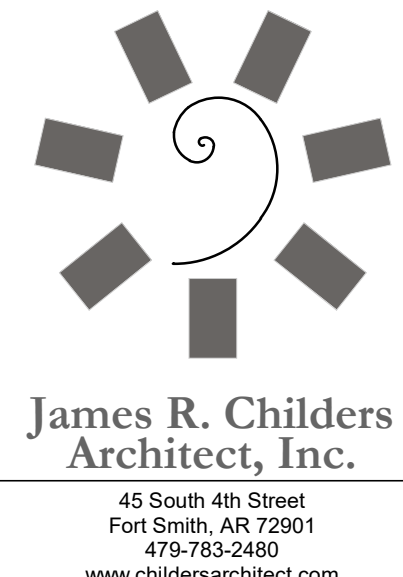
C5 TYPICAL VERTICAL SLIDE CLIP
SCALE: NTS



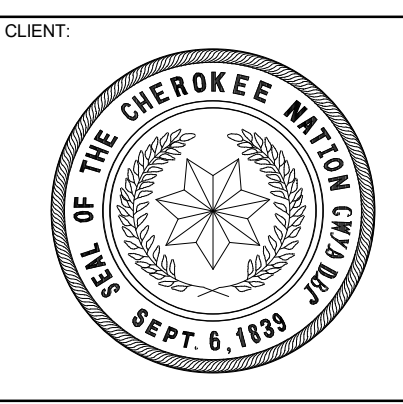
B5 TYPICAL SLIP TRACK ASSEMBLY
SCALE: NTS



A5 TYPICAL SLIP TRACK @ CONC STEMWALL
SCALE: 1 1/2" = 1'-0"



James R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2450
www.childersarchitect.com



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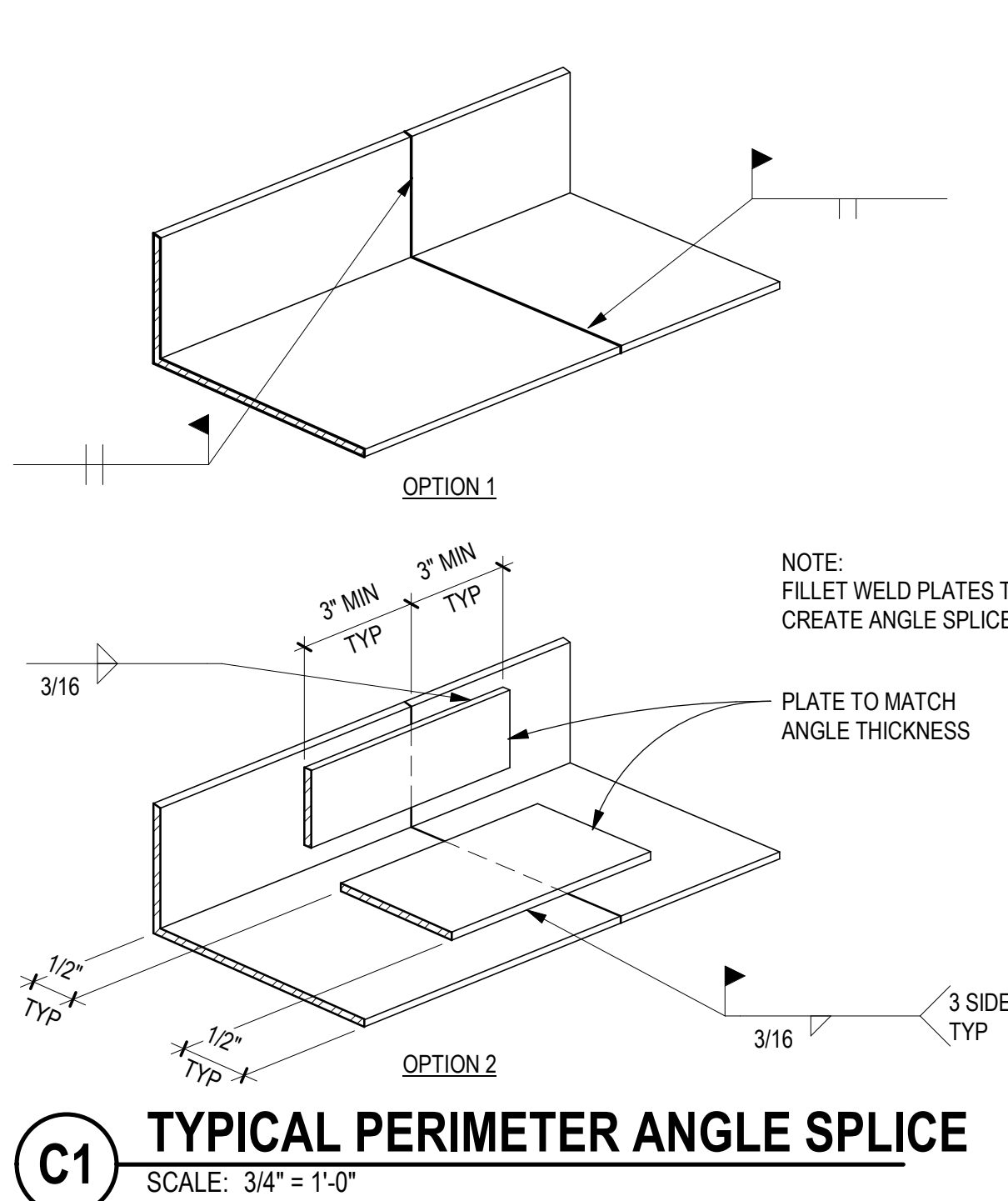
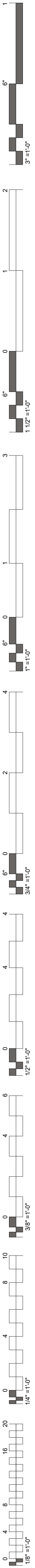


KEY PLAN:
PROJECT PHASE:
BID PACKAGE 04

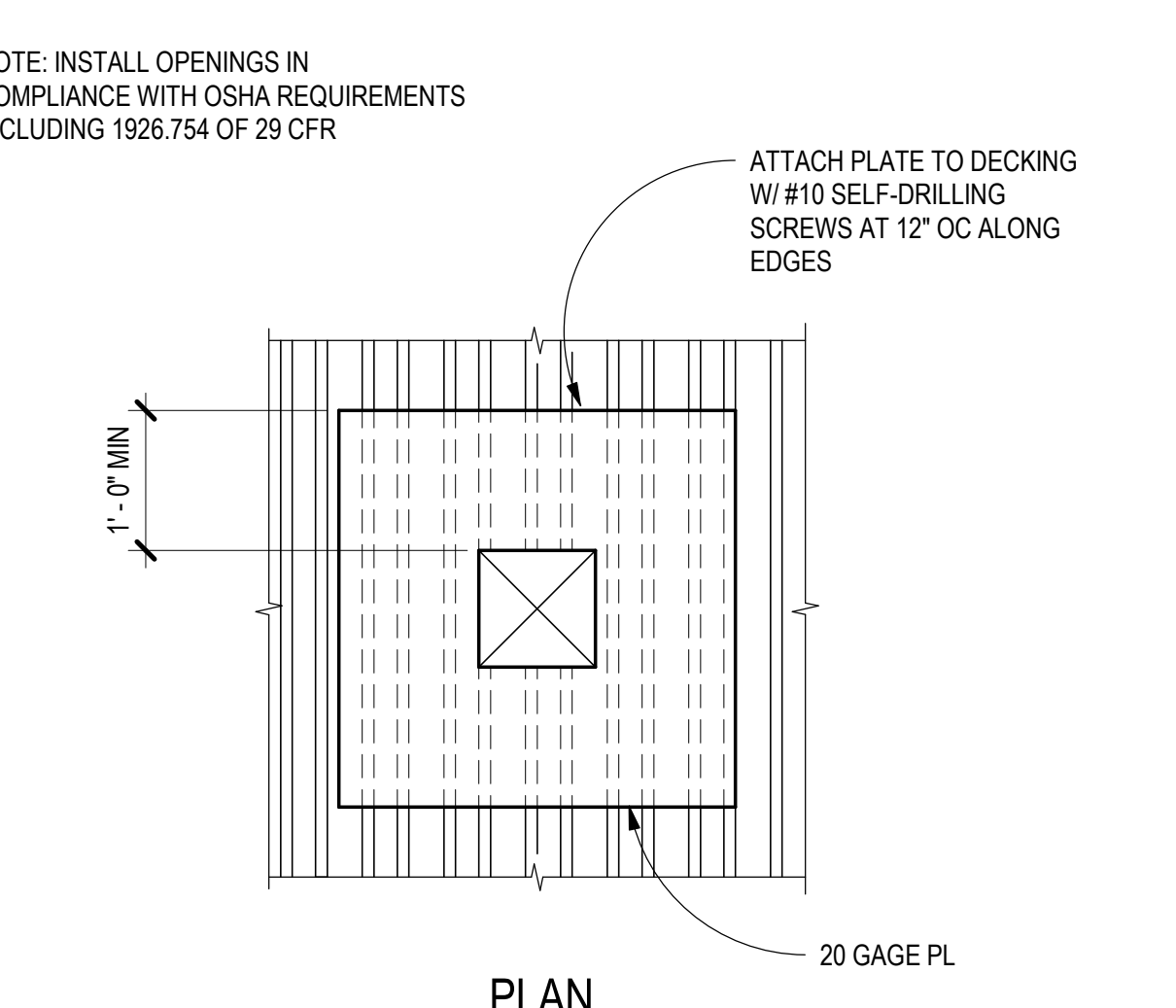
#	DATE	REVISIONS	DESCRIPTION

DATE: 05-10-19
JOB NUMBER: 17-13

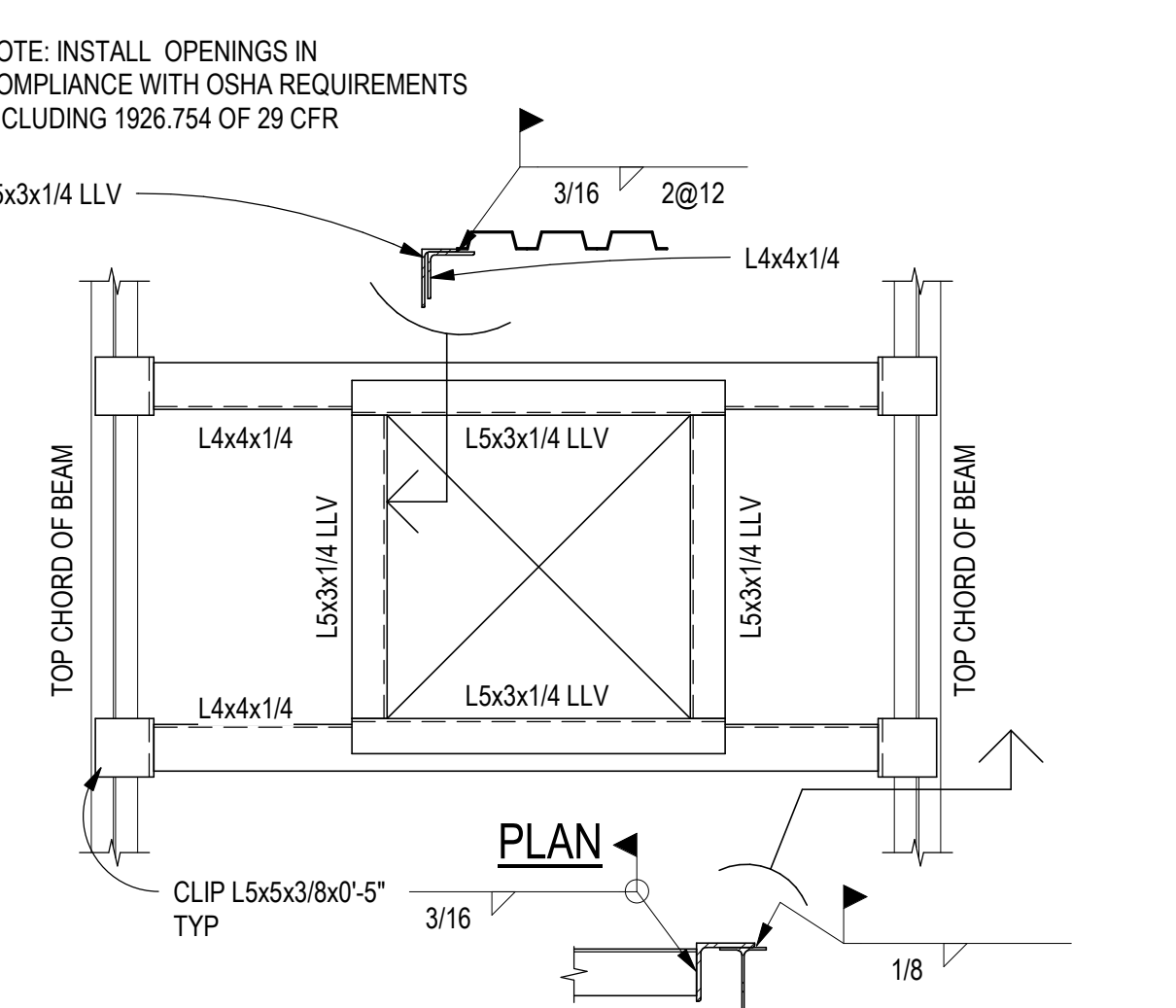
SHEET NUMBER:
S7.31
TYPICAL COLD-FORMED DETAILS



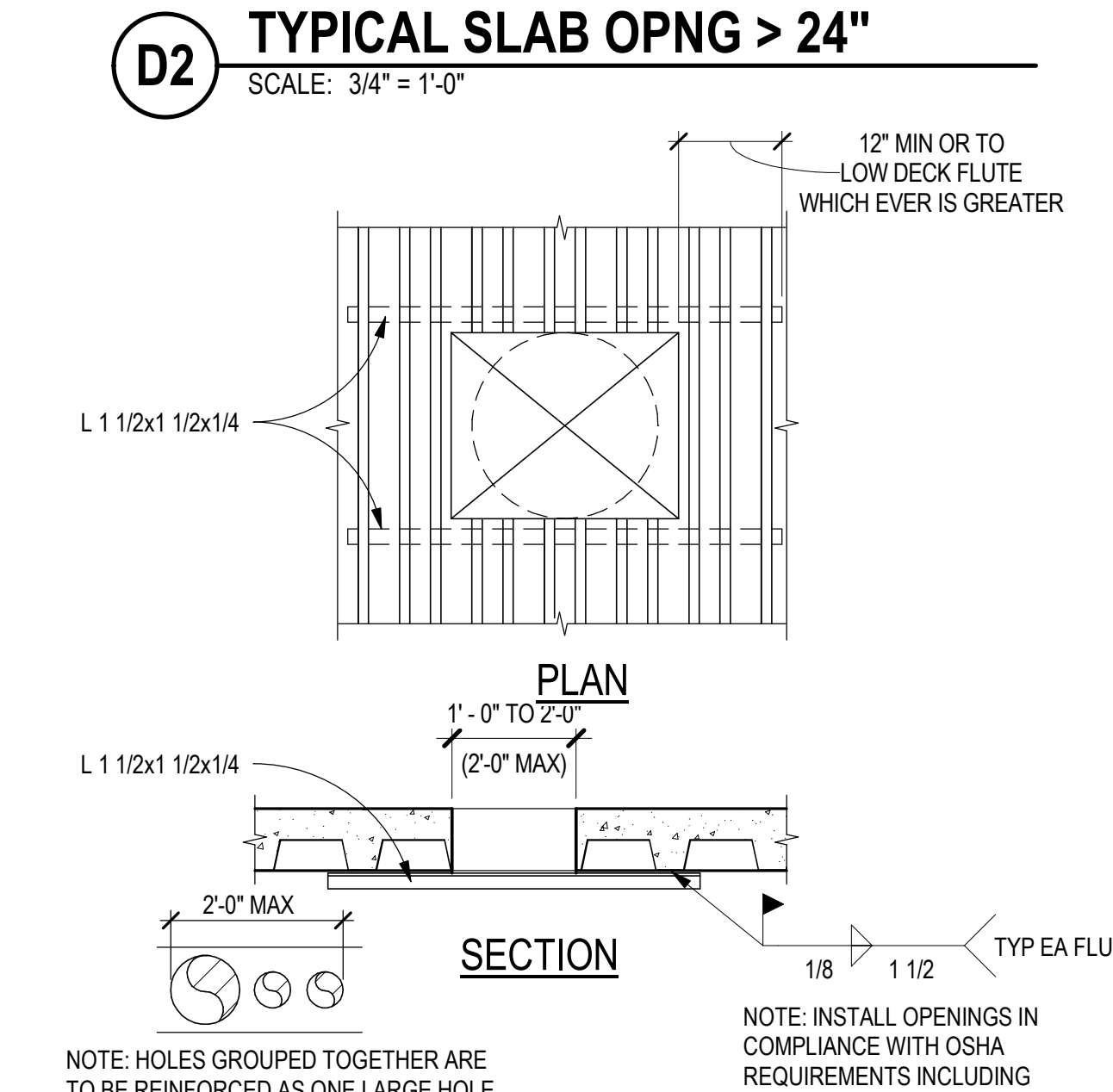
C1 TYPICAL PERIMETER ANGLE SPLICE
SCALE: 3/4" = 1'-0"



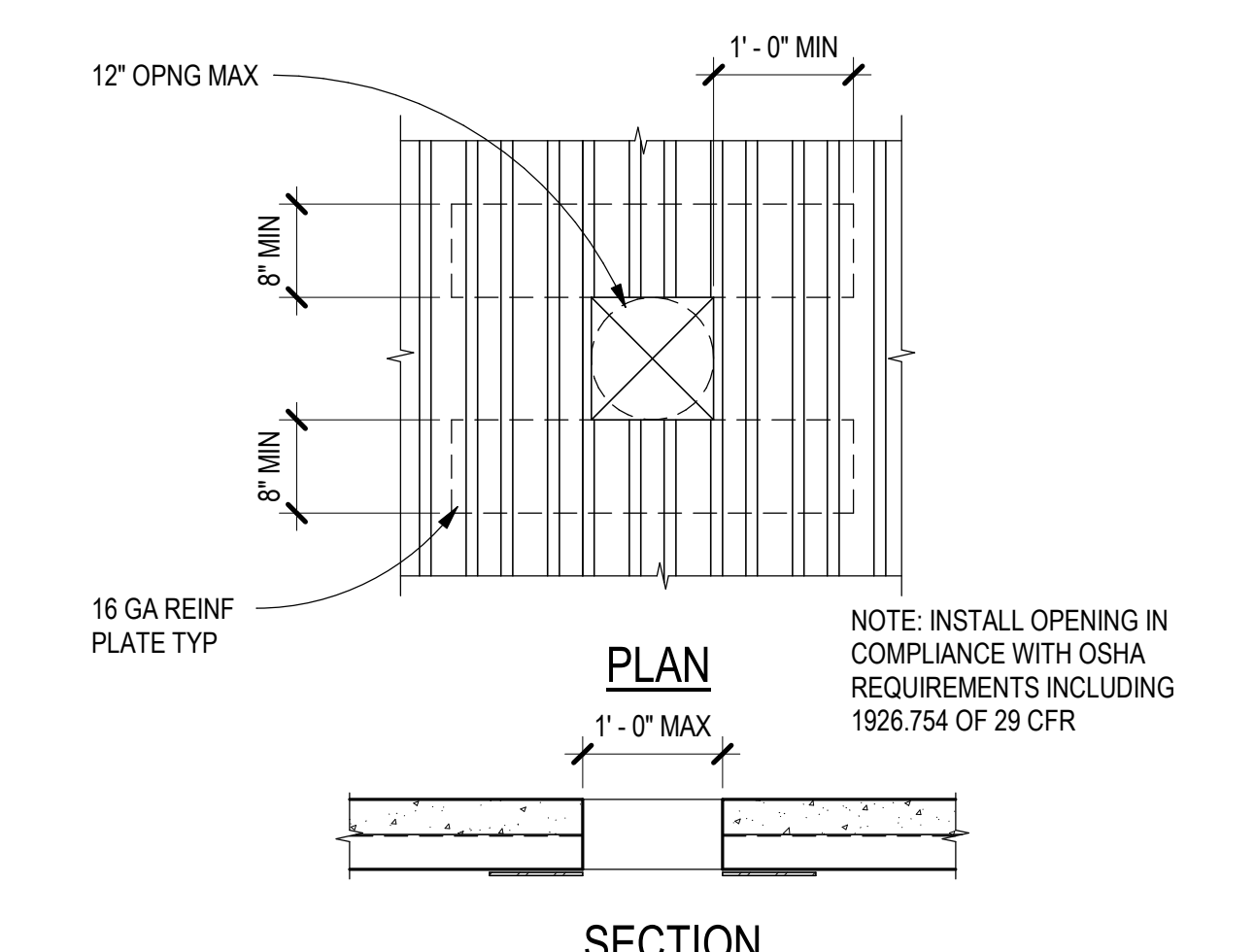
B1 TYPICAL ROOF OPENING 0"-12"
SCALE: 3/4" = 1'-0"



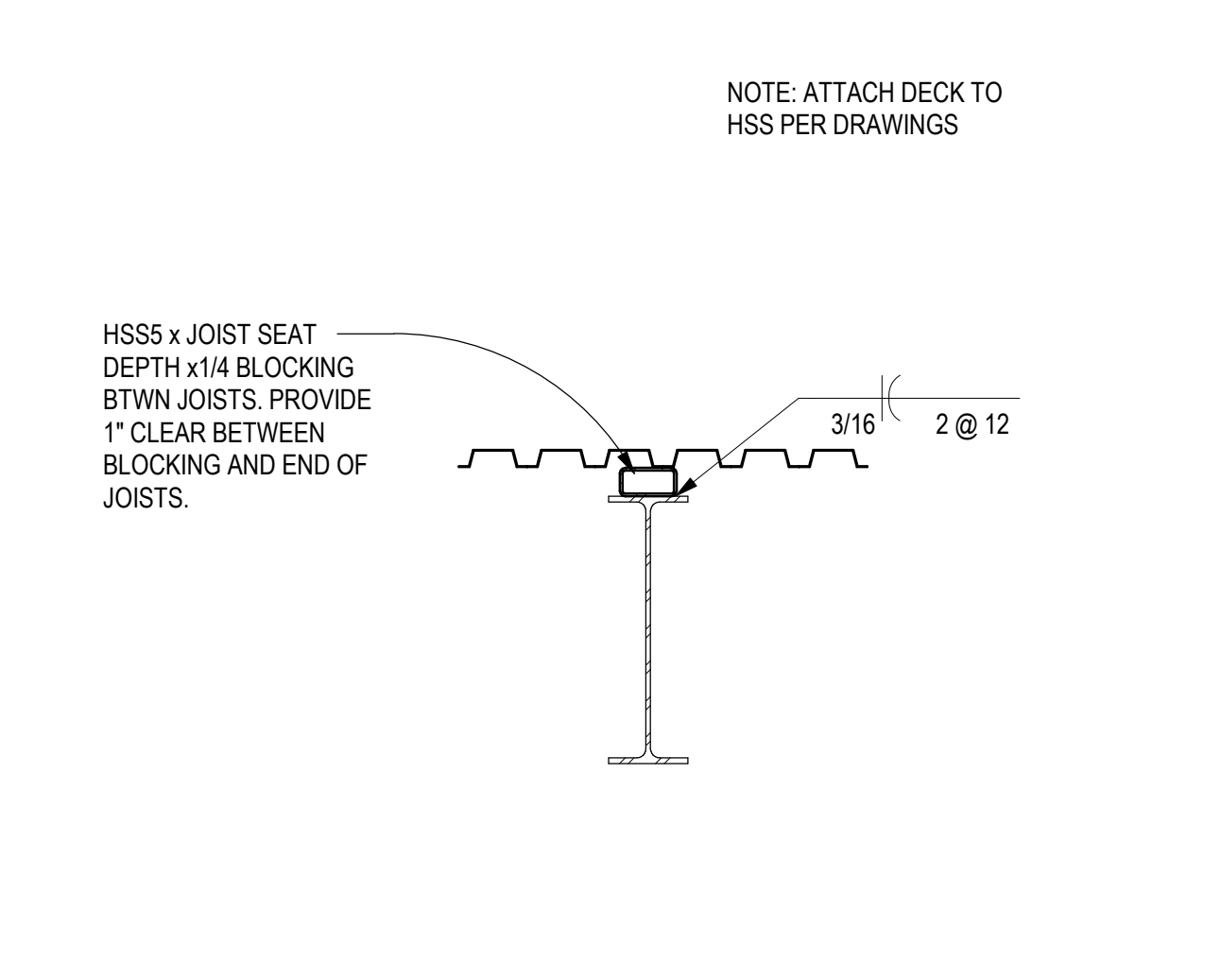
A1 TYPICAL ROOF OPENING > 12"
SCALE: 3/4" = 1'-0"



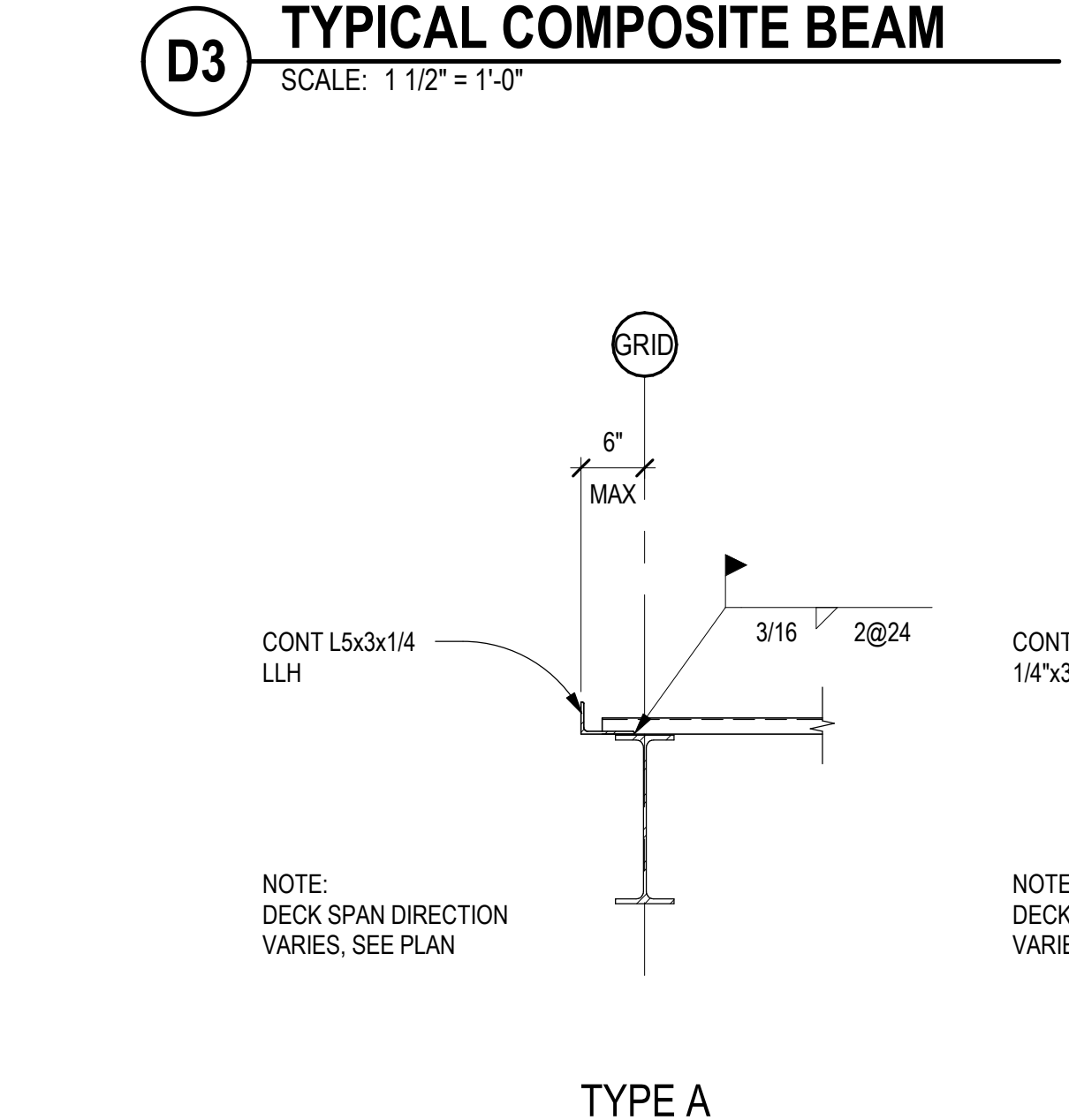
D2 TYPICAL SLAB OPNG > 24"
SCALE: 3/4" = 1'-0"



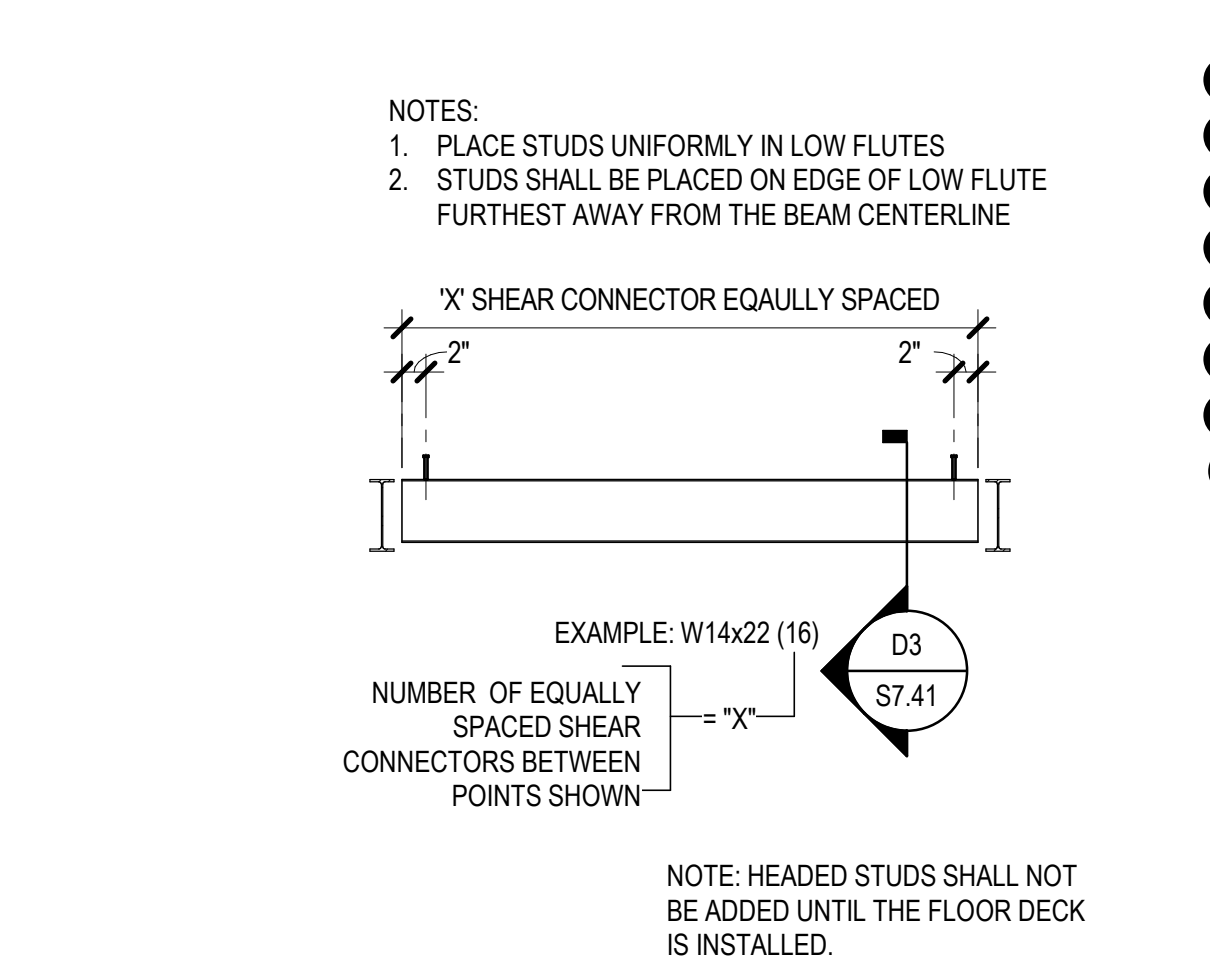
C2 TYPICAL SLAB OPENING 12"-24"
SCALE: 3/4" = 1'-0"



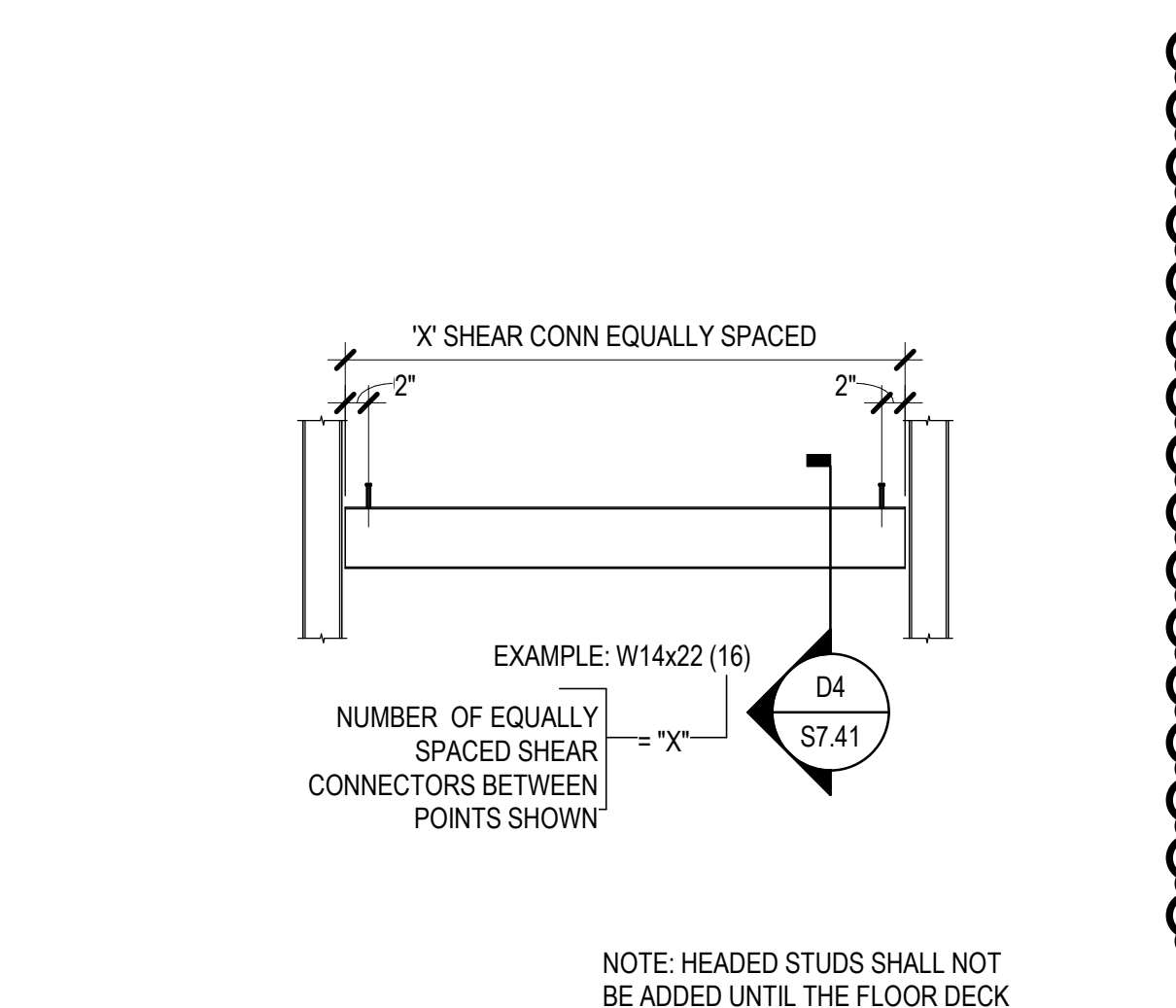
A2 TYPICAL HSS BLOCKING DETAIL
SCALE: 3/4" = 1'-0"



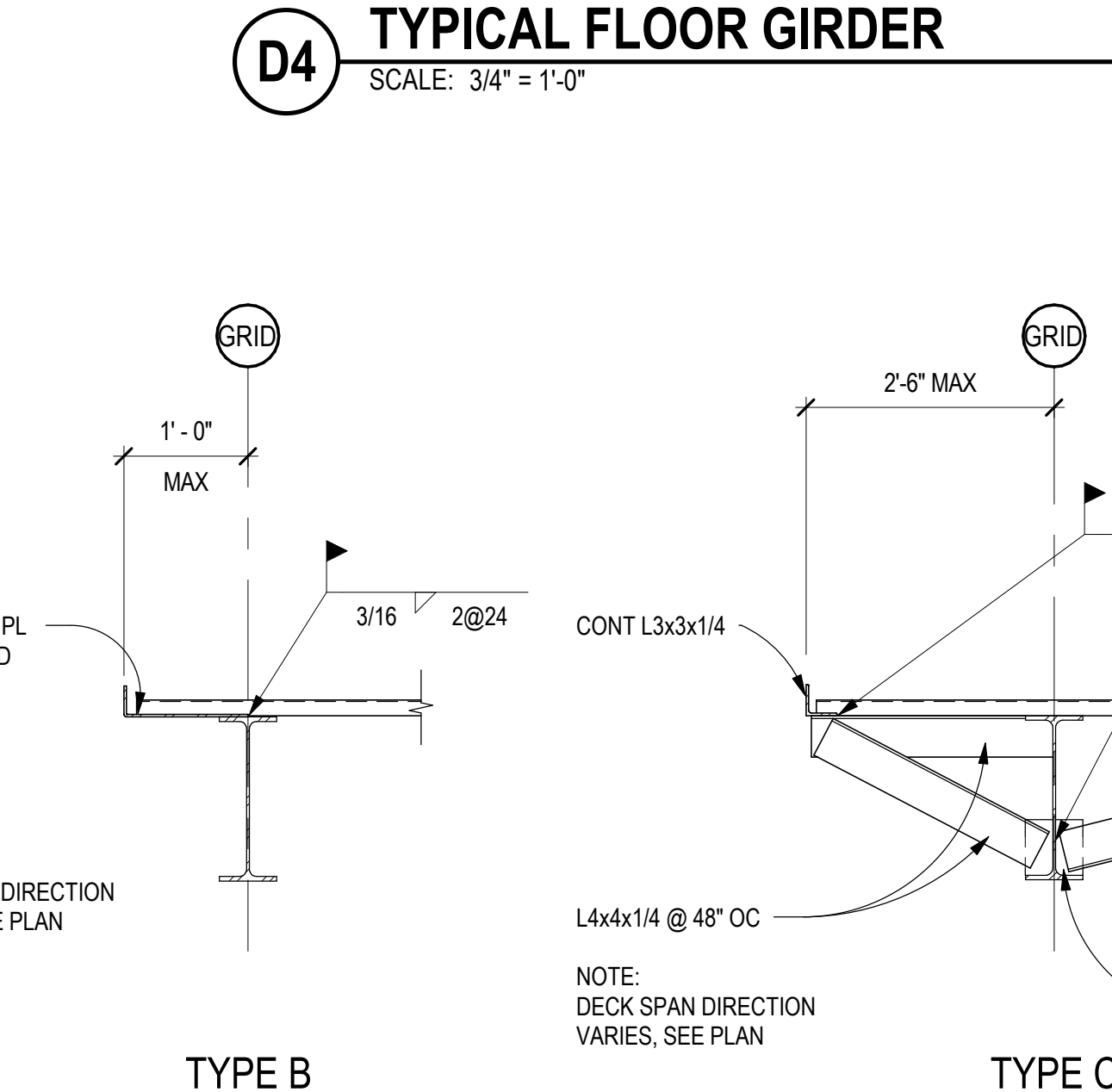
D3 TYPICAL COMPOSITE BEAM
SCALE: 1 1/2" = 1'-0"



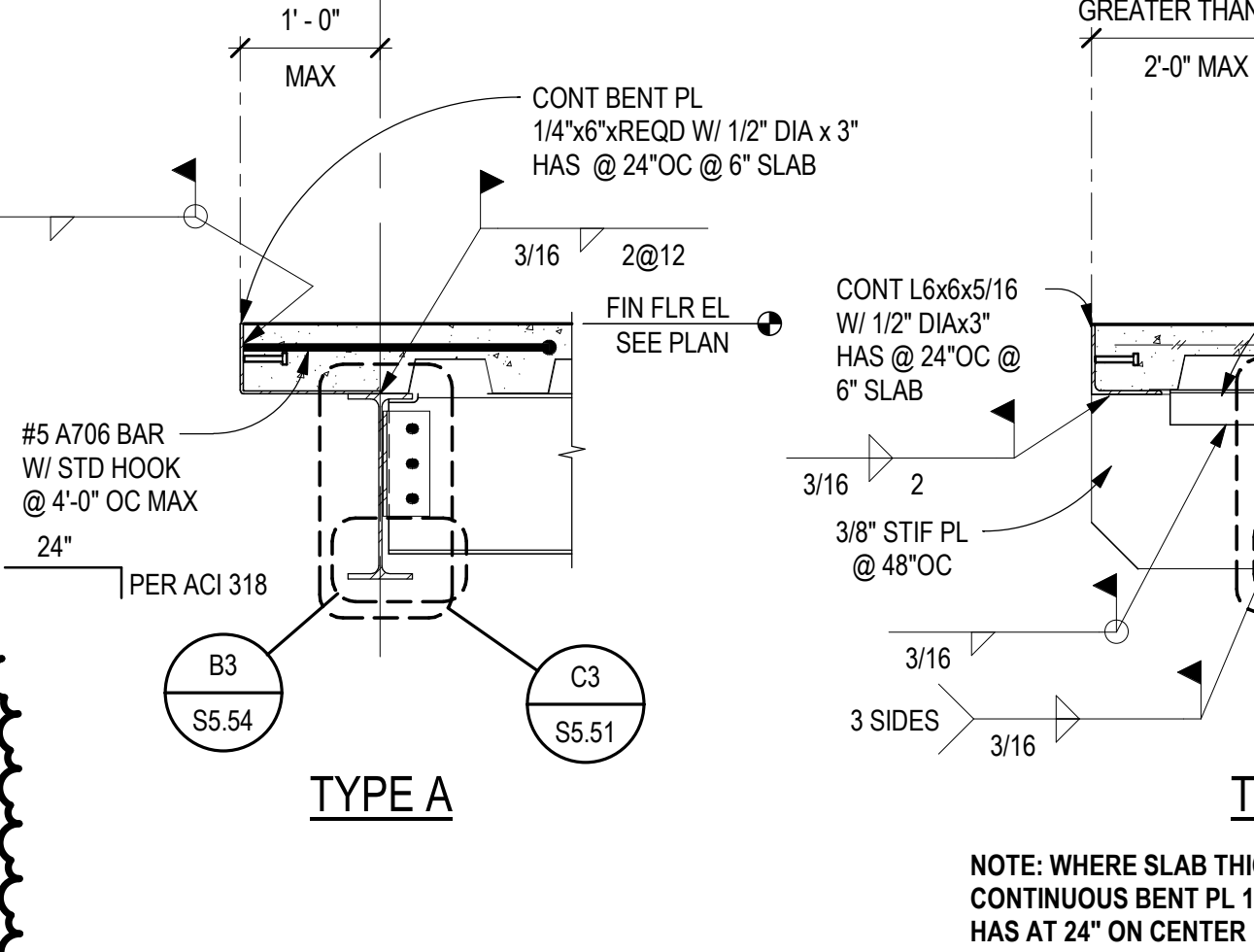
C3 TYPICAL DECK EDGE
SCALE: 3/4" = 1'-0"



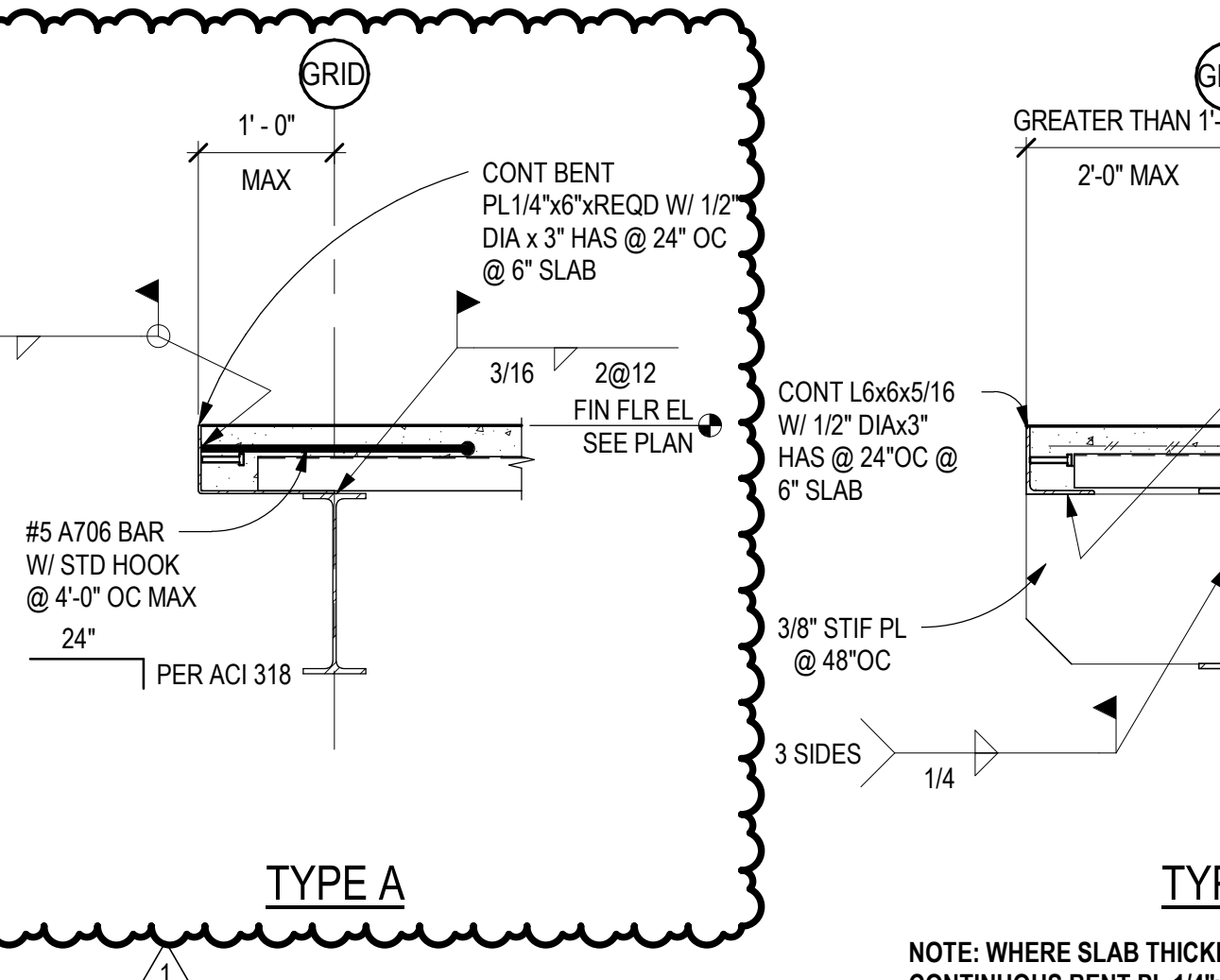
A3 TYPICAL COMPOSITE GIRDER ELEV
SCALE: 1/4" = 1'-0"



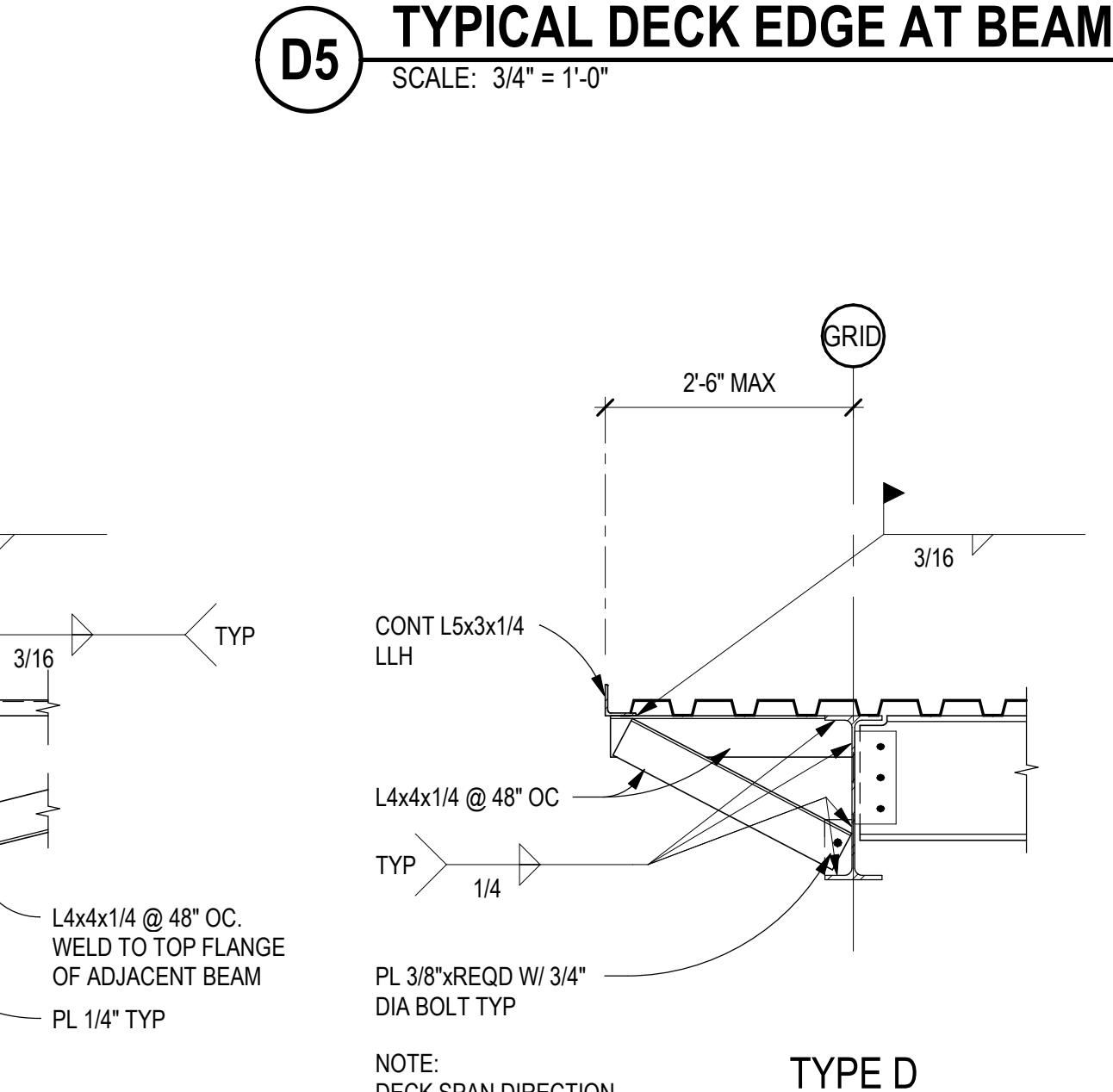
D4 TYPICAL FLOOR GIRDER
SCALE: 3/4" = 1'-0"



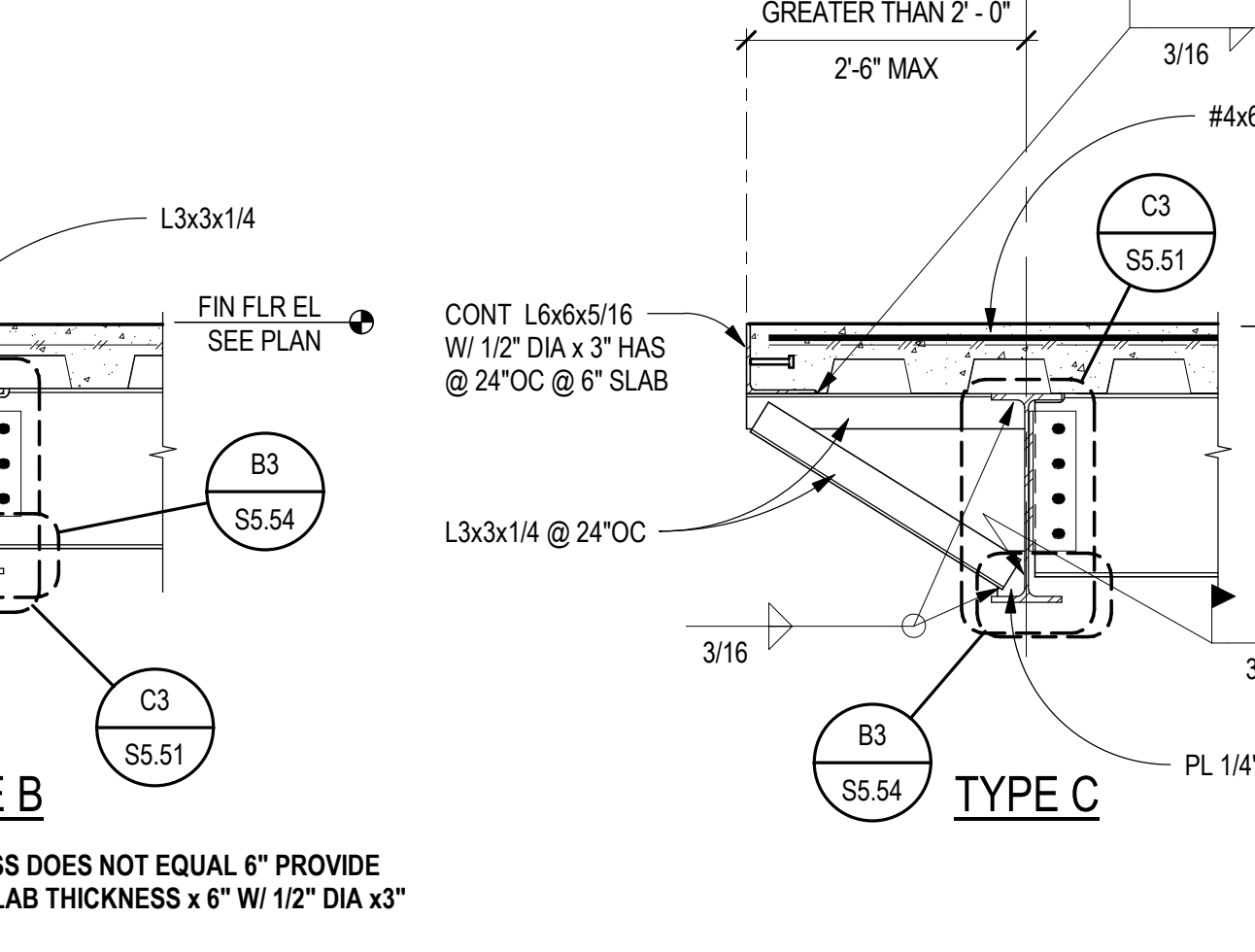
B3 TYPICAL COMPOSITE BEAM ELEV
SCALE: 1/4" = 1'-0"



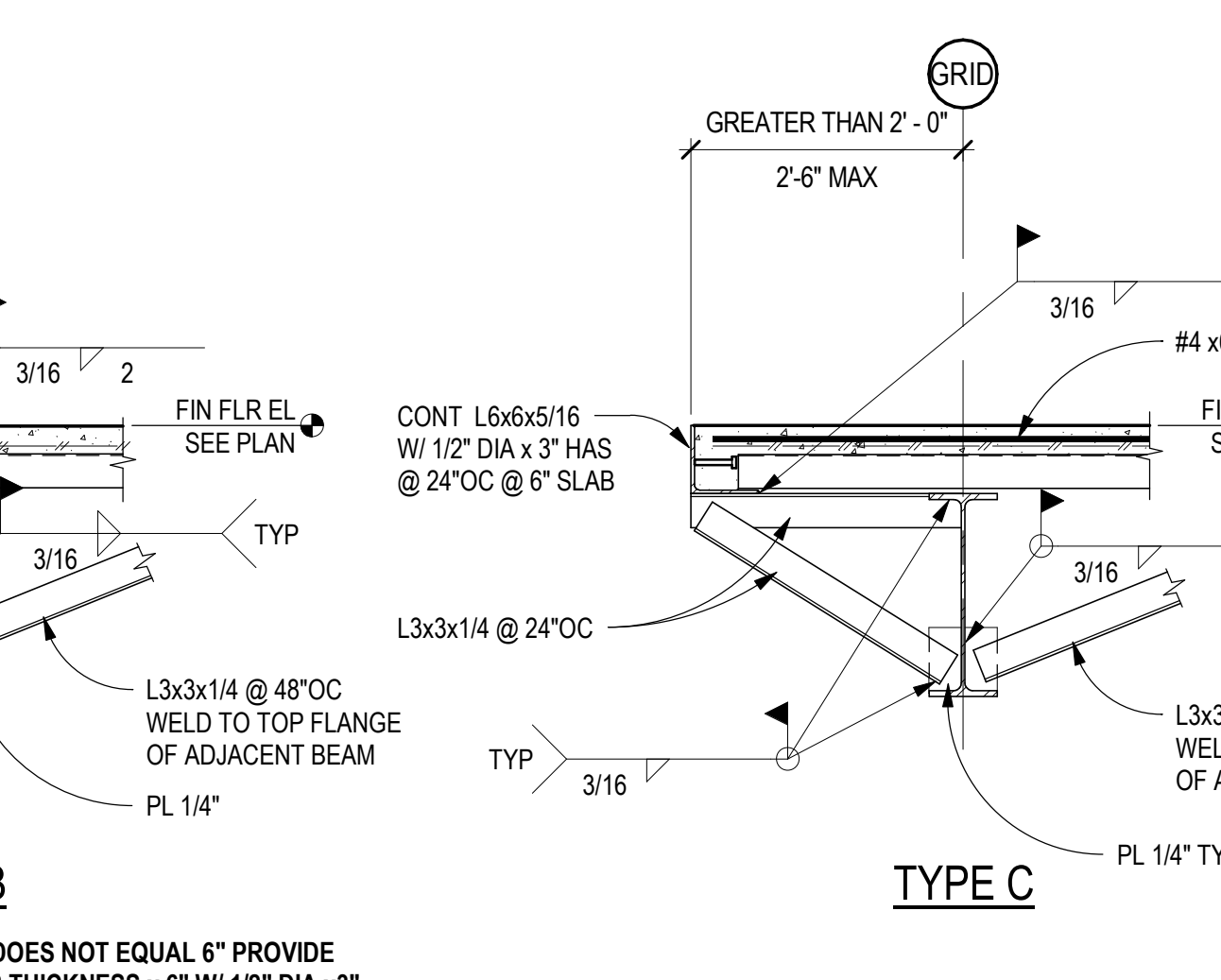
A4 TYPICAL SLAB EDGE AT NON-BEARING CONDITION
SCALE: 3/4" = 1'-0"



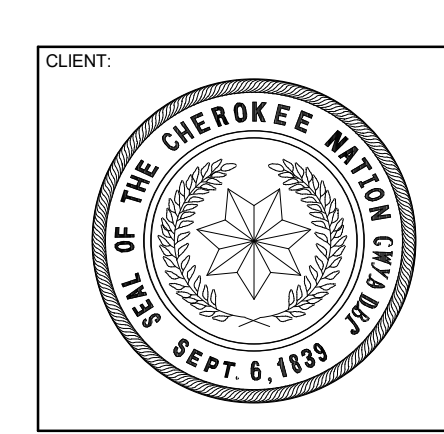
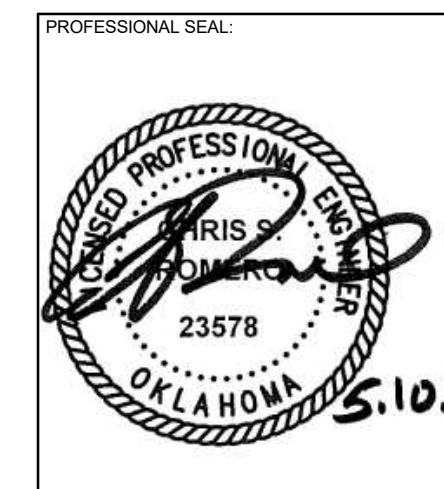
D5 TYPICAL DECK EDGE AT BEAM
SCALE: 3/4" = 1'-0"



B4 TYPICAL SLAB EDGE AT BEARING CONDITION
SCALE: 3/4" = 1'-0"



A4 TYPICAL SLAB EDGE AT NON-BEARING CONDITION
SCALE: 3/4" = 1'-0"



KEY PLAN:

PROJECT PHASE:
BID PACKAGE 04

#	DATE	REVISIONS	DESCRIPTION
1	6/17/19	BID PACKAGE 04 ABL/02	

DATE: 05-10-19
JOB NUMBER: 17-13

PROJECT SPECIFIC INFORMATION

PROJECT NUMBER:	19038
SUBMITTAL NUMBER:	S-02
SUBMITTAL DATE:	05/02/2019
PROJECT NAME:	CHEROKEE NATION OSU
LOCATION:	TAHLEQUAH, OK
CONNECTION TYPE:	SIDEPLATE
NUMBER OF BUILDINGS:	1
APPROX. TOTAL GROSS SQUARE FOOTAGE:	73222
NUMBER OF STORIES:	3

- DATA**
- a. THERE MAY BE #DATA AVAILABLE FOR YOUR PROJECT WHICH IS AVAILABLE FOR DOWNLOAD AT WWW.SIDEPLATE.COM. #DATA MAY INCLUDE:
- ESTIMATE FILE IN EXCEL FORMAT FOR USE IN AFFIRMING SIDEPLATE CONNECTION MATERIAL QUANTITIES.
 - CompendiumXML FILE FOR USE IN ASSISTING DETAILING EFFORTS.
- b. ESTIMATED NUMBER OF SIDEPLATE JOINTS FOR THIS PROJECT = 102
- c. APPROX. TOTAL NUMBER OF SIDEPLATE JOINTS FOR THIS PROJECT THAT ARE NOT SUPPORTED BY #DATA = 0
- d. MISCELLANEOUS DETAILS, TYPICALLY DESIGNATED BY MR, ARE NOT SUPPORTED.

INSTRUCTIONS TO STEEL FABRICATOR

- 1. SIDEPLATE LICENSE FEE**
- THE STEEL FABRICATOR'S BID PRICE FOR PROCUREMENT, FABRICATION AND ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL SHALL INCLUDE THE SIDEPLATE LICENSE FEE FOR THE PROJECT. EACH PROSPECTIVE STEEL FABRICATOR WHO BIDS THE PROJECT SHALL FORMALLY REQUEST THE SIDEPLATE LICENSE FEE BY ACCESSING THE SIDEPLATE WEBSITE (http://www.sideplate.com).
 - UPON THE SUCCESSFUL STEEL FABRICATOR SIGNING A CONTRACT TO FABRICATE STRUCTURAL STEEL FOR THIS PROJECT, THE STEEL FABRICATOR SHALL SUBMIT A PURCHASE ORDER (PO) TO SIDEPLATE SYSTEMS, INC. FOR THE TOTAL AMOUNT OF THE SIDEPLATE LICENSE FEE AND SHALL INCLUDE SAID FEE IN ITS FIRST CONSTRUCTION DRAWING.
 - THE STEEL FABRICATOR SHALL MAKE PAYMENT OF THE SIDEPLATE LICENSE FEE DIRECTLY TO:

SIDEPLATE SYSTEMS, INC.
25009 PALA, SUITE 200
MISSION VIEJO, CA 92691
TEL: 949-258-4900

SUBMITTALS

- 1. IN ADDITION TO THE REQUIRED SUBMITTALS SPECIFIED BY THE BALANCE OF THE CONTRACT DOCUMENTS, THE FOLLOWING SUBMITTALS SHALL BE SENT TO SIDEPLATE SYSTEMS, INC. ELECTRONICALLY VIA THE STRUCTURAL ENGINEER OF RECORD FOR THEIR REVIEW AND DISPOSITION:**
- QUALITY CONTROL PROGRAM (REQUIRED IF NOT AISC CERTIFIED).
 - ONE ELECTRONIC COPY OF ALL STRUCTURAL STEEL DRAWINGS THAT EITHER DIRECTLY PERTAINS TO AND/OR AFFECTS THE SHOP FABRICATION OR FIELD ERECTION OF THE SIDEPLATE STEEL FRAME CONNECTION SYSTEM, INCLUDING THE INITIAL SUBMITTALS AND ALL CORRECTED RE-SUBMITTALS OF AFFECTED DRAWINGS. SIDEPLATE SYSTEMS, INC. SHALL BE GIVEN, AS A MINIMUM, THE SAME SPECIFIED REVIEW TIME (NOT LESS THAN SEVEN BUSINESS DAYS) AS THE ENGINEER OF RECORD.

MEETINGS

- 1. PRE-DETAILING MEETING**
- PRIOR TO THE START OF DETAILING OF THE SHOP DRAWINGS, THE FABRICATION CONTRACTOR SHALL FORMALLY REQUEST A PRE-DETAILING MEETING FROM SIDEPLATE SYSTEMS, INC. THIS MEETING IS TYPICALLY A WEBINAR TO DISCUSS BEST PRACTICES FOR THE DETAILING OF THE SIDEPLATE CONNECTIONS, AND TO CREATE A PROACTIVE FORUM TO ANSWER ANY QUESTIONS.
- 2. PRE-FABRICATION MEETING**
- PRIOR TO THE START OF FABRICATION, THE FABRICATION CONTRACTOR SHALL FORMALLY REQUEST A PRE-FABRICATION MEETING FROM SIDEPLATE SYSTEMS, INC. THIS MEETING IS TYPICALLY A WEBINAR TO DISCUSS BEST PRACTICES FOR THE FABRICATION OF THE SIDEPLATE CONNECTIONS, AND TO CREATE A PROACTIVE FORUM TO ANSWER ANY QUESTIONS.
- 3. PRE-ERECTION MEETING**
- PRIOR TO THE START OF STEEL ERECTION, THE ERECTION CONTRACTOR SHALL FORMALLY REQUEST A PRE-ERECTION MEETING FROM SIDEPLATE SYSTEMS, INC. THIS MEETING IS TYPICALLY A WEBINAR TO DISCUSS BEST PRACTICES FOR FIELD ERECTION OF THE SIDEPLATE BEAMS AND COLUMNS, AND TO CREATE A PROACTIVE FORUM TO ANSWER ANY QUESTIONS.

GENERAL

- THE GOVERNING CODES SHALL CONSIST OF ANSI/AWS D1.1:2010 (AWS D1.1), AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES (APRIL 14, 2010), 2009 RCSC SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS, AND ALL APPLICABLE BUILDING AND JURISDICTIONAL CODES AND PROJECT STANDARDS SPECIFIED IN THE PROJECT SPECIFICATION STRUCTURAL STEEL SECTION, WHERE THE REQUIREMENTS DIFFER BETWEEN SIDEPLATE CONNECTION NOTES, THE GENERAL STRUCTURAL NOTES, AND THE GOVERNING CODES, THE MORE STRINGENT SECTION CRITERIA SHALL CONTROL.
- ALPHA AND NUMERIC DESIGNATORS (A) & (H) USED HEREIN TO SIMPLIFY THE IDENTIFICATION OF PLATES, ANGLES, AND WELDS ARE DEFINED BELOW:

- | | |
|------|--|
| (A) | SIDE PLATE FOR UNIAXIAL CONNECTIONS |
| (B) | BEAM FLANGE COVER PLATE, AS REQUIRED |
| (C) | VERTICAL SHEAR PLATE OR FLAT BAR, AS REQUIRED |
| (D) | HORIZONTAL SHEAR PLATE OR FLAT BAR, AS REQUIRED |
| (E) | VERTICAL ANGLE WELDED TO THE VERTICAL SHEAR PLATE (C), AS REQUIRED |
| (F) | VERTICAL SHEAR ELEMENT (VSE) WHICH CONSISTS OF PLATE (C) AND ANGLE (E) MATERIAL, AS REQUIRED |
| (G) | LONGITUDINAL ANGLE WELDED TO THE OUTSIDE FACE OF SIDE PLATE (A), AS REQUIRED |
| (H) | LONGITUDINAL ANGLE WELDED TO THE BOTTOM BEAM FLANGE (OR TOP BEAM FLANGE AS REQUIRED) |
| (I) | HORIZONTAL PLATE WELDED TO THE OUTSIDE FACE OF SIDE PLATE (A), AS REQUIRED |
| (J) | FILLET WELD CONNECTING SIDE PLATE (A) TO HORIZONTAL SHEAR PLATE (D) OR COLUMN |
| (K) | FILLET (AND/OR FLARE BEVEL) WELD CONNECTING INSIDE FACE OF SIDE PLATE (A) TO COLUMN |
| (L) | FILLET WELD CONNECTING HORIZONTAL SHEAR PLATE (D) TO COLUMN, AS REQUIRED |
| (M) | FILLET WELD TO CONSTRUCT VSE (F) AND TO CONNECT IT TO THE WEB OF THE BEAM, AS REQUIRED |
| (N) | FILLET (AND/OR PJP) WELD CONNECTING BEAM FLANGE TIPS TO COVER PLATE (B) AND/OR LONGITUDINAL ANGLE (H), AS REQUIRED |
| (O) | FILLET WELD CONNECTING OUTSIDE FACE OF BEAM FLANGE TO COVER PLATE (B) AND/OR LONGITUDINAL ANGLE (H), AS REQUIRED |
| (P) | FILLET WELD CONNECTING COVER PLATE (B) EDGE TO TOP FACE OF BEAM FLANGE, ACROSS ITS WIDTH |
| (Q) | PJP WELD CONNECTING ANGLE (H) TO BEVELED BEAM FLANGE |
| (R) | FILLET (AND/OR PJP) WELD CONNECTING LONGITUDINAL ANGLE (G) (AND/OR PLATE (I)) TO SIDE PLATE (A), AS REQUIRED |
| (Rb) | PJP WELD CONNECTING PLATE (I) TO SIDE PLATE (A) AND/OR CONNECTING BUILT UP ANGLE (H) PLATES TOGETHER, AS REQUIRED |
| (S) | FILLET WELD CONNECTING SIDE PLATE (A) TO COLUMN FACE, WRAPPED AROUND THREE SIDES OF PLATE (A) |
| (T) | FILLET WELD TO CONSTRUCT SIDE PLATE SLOTTED INTERLOCK ASSEMBLY |
| (Tb) | PJP WELD TO CONSTRUCT SIDE PLATE SLOTTED INTERLOCK ASSEMBLY |
| (U) | REINFORCING FILLET WELD TO CONSTRUCT SIDE PLATE SLOTTED INTERLOCK ASSEMBLY |
3. ALPHA DESIGNATORS, USED HEREIN TO SIMPLIFY THE IDENTIFICATION OF DIMENSIONS OF THE SIDEPLATE CONNECTIONS, ARE DEFINED BELOW:
- | | |
|-----|--|
| GAP | PHYSICAL SEPARATION BETWEEN THE END OF THE MOMENT FRAME BEAM AND THE ADJOINING FACE OF THE COLUMN FLANGE |
| B | DEPTH OF SIDE PLATE (A) |
| C | LENGTH OF COVER PLATE (B) AND/OR LONGITUDINAL ANGLE (H) |
| D | LENGTH OF SLOT FROM THE TOE OF THE RADIUS IN THE COVER PLATE (B), AS REQUIRED |
| E | EDGE DISTANCE OF BOLT HOLES IN COVER PLATE (B), AS REQUIRED |
| G | GAGE DISTANCE TO CENTERLINE OF BOLT HOLES IN ANGLES (G) AND (H), AND PLATE (T), AS REQUIRED |
| H | ADDED DIMENSION TO COLUMN FLANGE WIDTH TO DEFINE TOTAL COVER PLATE (B) WIDTH |
| J | DISTANCE FROM END OF THE BEAM TO CENTERLINE OF VERTICAL BOLT HOLES IN VSE (F), AS REQUIRED |
| R | RADIUS OF SLOT DIMENSION IN COVER PLATE (B) |
| S | HORIZONTAL SPACING BETWEEN BOLT HOLES |
| Y | ADDED DIMENSION TO COLUMN FLANGE WIDTH FOR ALLOWABLE SPREAD OF SIDE PLATES (A) |

MATERIAL

- PLATE, FLAT BAR, AND ANGLE MATERIAL:
 - ALL PLATE MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH (F_y) OF 50 KSI.
 - ANGLE AND BAR MATERIAL SHALL HAVE A HIGH STRENGTH STEEL SPECIFICATION AND SHALL HAVE A MINIMUM YIELD STRENGTH (F_y) OF 50 KSI.
- HIGH STRENGTH BOLTS/FASTENERS:
 - BOLTS SHALL BE TYPE 1 OR TYPE 3 AND SHALL BE A490 HEAVY HEX, F2280 TWIST-OFF-TYPE TENSION-CONTROL BOLT ASSEMBLIES, OR F3148 FIXED SPLINE BOLT ASSEMBLIES. THE BOLT HEAD SHALL BE DISTINCTIVELY MARKED WITH A MINIMUM MARKING OF A490, A490TC, OR 144 RESPECTIVELY. AN ALTERNATIVE DESIGN THAT MEETS THE REQUIREMENTS OF RCSC SECTION 2.8 MAY BE USED, WITH THE WRITTEN APPROVAL FROM SIDEPLATE SYSTEMS, INC.
 - WASHERS SHALL BE ORDINARY THICKNESS AND ASTM F436 TYPE 1 OR TYPE 3.
 - NUTS SHALL BE ASTM A563 GRADE DH OR DH3.
 - THE BOLT ASSEMBLY SHALL BE COVERED IN A LIGHT PROTECTIVE OIL, F2280 AND F3148 ASSEMBLIES SHALL ONLY BE LUBRICATED BY THE SUPPLIER.
 - THE MILL TEST REPORT (MTR) MUST HAVE DOCUMENTED LOT TRACEABILITY, STATEMENT OF DIMENSIONAL RESULTS, FULL CHEMICAL AND MECHANICAL TEST RESULTS TO THE SPECIFICATIONS AND:
 - THE USE OF FINGER SHIMS ARE ACCEPTABLE PER BOLTING SECTION 8.
- ROLLED SHAPES:
 - ALL ROLLED SHAPES USED FOR COLUMNS AND BEAMS IN CONSTRUCTING SIDEPLATE MOMENT FRAMES SHALL BE ASTM A992 GRADE 50 UNO.
- HSS TUBE SHAPES:
 - ALL HSS SHAPES USED FOR COLUMNS AND BEAMS IN CONSTRUCTING SIDEPLATE MOMENT FRAMES SHALL, AS A MINIMUM, BE ASTM A500 GRADE B OR GRADE C OR ASTM1085.

PREPARATION

- THE STEEL FABRICATION AND ERECTION SUBCONTRACTORS SHALL EMPLOY A DISTORTION CONTROL PROGRAM PRIOR TO THE START OF SIDEPLATE MOMENT FRAME FABRICATION. THE DISTORTION CONTROL PROGRAM SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF AWS D1.1 SECTION 5.21 AND 5.22 TO ENSURE THAT THE FOLLOWING ARE MAINTAINED:
 - DIMENSIONAL ACCURACY
 - FRAMING AND ALIGNMENT TOLERANCES
 - COMPLIANCE WITH AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, SECTION 7.0, CONNECTION PROVISIONS
 - CONTROL OF DISTORTION AND WELD SHRINKAGE

WELDING

- WELDER QUALIFICATION: THE PERFORMANCE OF ALL WELDERS, WELDING OPERATORS AND TACK WELDERS SHALL BE QUALIFIED IN CONFORMANCE WITH AWS D1.1, SECTION 4, PART C TO DEMONSTRATE ABILITY TO PRODUCE SOUND WELDS.

BOLTING

- BOLT FASTENERS SHALL BE INSTALLED TO PRETENSIONED CONDITION USING ONE OF THE METHODS PRESCRIBED HERE: TURN-OF-NUT (A490), CALIBRATED WRENCH (A490), TWIST-OFF-TYPE TENSION-CONTROL BOLT (F2280), OR TORQUE AND ANGLE METHOD (F3148).
- FOR ALL PRETENSIONING METHODOLOGIES, ALL FASTENER ASSEMBLIES WITHIN THE JOINT SHALL FIRST BE BROUGHT TO A SNUG TIGHT CONDITION, FOLLOWED BY A SYSTEMATIC PRETENSIONING PROCESS. PRETENSIONING SHALL BEGIN AT THE MOST RIGID PART OF THE JOINT AND CONTINUE IN A MANNER THAT WILL MINIMIZE THE RELAXATION OF PREVIOUSLY PRETENSIONED FASTENERS, UNTIL THE CONNECTED PLIES ARE IN AS FIRM CONTACT AS POSSIBLE.

- REUSE OF A490, F2280, AND F3148 BOLT ASSEMBLIES SHALL NOT BE ALLOWED. TOUCHING UP OR RE-TIGHTENING BOLTS THAT MAY HAVE BEEN LOOSENED BY THE INSTALLATION OF ADJACENT BOLTS SHALL NOT BE CONSIDERED TO BE A REUSE.
- ALL BOLT HOLES SHALL BE ALIGNED TO PERMIT INSERTION OF THE BOLTS WITHOUT UNDUE DAMAGE TO THE THREADS.
- THE BOLT LENGTH USED SHALL BE SUCH THAT THE BOLT THREAD EXTENDS BEYOND OR IS AT LEAST FLUSH WITH THE OUTER FACE OF THE NUT WHEN PROPERLY INSTALLED.
- FASTENER COMPONENTS SHALL BE PROTECTED FROM DIRT AND MOISTURE IN CLOSED CONTAINERS AT THE SITE OF INSTALLATION.
- F2280 OR F3148 ASSEMBLIES AND ALTERNATIVE DESIGN FASTENERS THAT MEET THE SPECIFIED REQUIREMENTS PREVIOUSLY MENTIONED SHALL NOT BE RE-LUBRICATED, EXCEPT BY THE MANUFACTURER.
- FINGER SHIMS MAY BE USED UP TO 1/4 INCH WITHOUT RESTRICTION. SHIM REQUIREMENTS GREATER THAN 1/4 INCH SHALL BE SUBMITTED TO SIDEPLATE SYSTEMS INC FOR APPROVAL PRIOR TO USE.
- WASHERS SHALL BE ASTM F436 ORDINARY THICKNESS AND SHALL BE USED UNDER THE NUT OF THE FASTENER ASSEMBLY SO AS TO PROVIDE A HARDENED NON-GALLING SURFACE OF THE TURNED ELEMENT. WHEN USING THE TURN-OF-NUT OR CALIBRATED WRENCH METHOD, THE TURNED ELEMENT MUST BE THE SAME AS WAS USED WHEN PERFORMING PREINSTALLATION VERIFICATION TESTING.

QUALITY CONTROL

- THE FABRICATOR AND ERECTOR SHALL BE RESPONSIBLE FOR QUALITY CONTROL BY PROVIDING, AS A MINIMUM, IN-PROCESS VISUAL INSPECTION OF ALL FABRICATION AND ERECTION ACTIVITIES TO ENSURE THAT MATERIALS AND WORKMANSHIP MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, AND SHALL INCLUDE WORK PERFORMED PRIOR TO ASSEMBLY, SUCH WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFYING THAT EFFECTIVE PROCEDURES AND METHODS HAVE BEEN EMPLOYED IN THE FORM OF A DISTORTION CONTROL PROGRAM TO ACCOUNT FOR AND COMPENSATE THE EFFECTS OF WELD SHRINKAGE, EXISTING BEAM SWEAP AND GAMBER, AND CHANGES IN MOMENT FRAME GEOMETRY DUE TO SKEWED AND CURVED DESIGN CONFIGURATIONS (AS OCCURS), TO ENSURE COMPLIANCE WITH SPECIFIED ERECTION AND ALIGNMENT TOLERANCES. QC INSPECTION SHALL INCLUDE **HOLD POINTS** FOR THE FOLLOWING:
 - COLUMN TREE ASSEMBLY**
 - VERIFICATION THAT ACTUAL COLUMN FLANGE WIDTH IS AT LEAST NOMINAL COLUMN FLANGE WIDTH WHERE THE SIDE PLATES (A) ARE TO BE INSTALLED. IN THE UNLIKELY EVENT ACTUAL COLUMN FLANGE WIDTH IS LESS THAN NOMINAL, BUT WITHIN AISC STANDARD MILL TOLERANCES (3/16 INCH MAX), CONTACT SIDEPLATE SYSTEMS, INC FOR APPROPRIATE RECOMMENDATIONS.
 - MINIMUM CLEAR DIMENSION SHALL BE VERIFIED AFTER PLACEMENT OF WELD (2), COOLING OF WELD (2), AND REMOVAL OF TEMPORARY SHOP CONSTRUCTION AID(S). VERIFY THAT A MINIMUM ACTUAL COLUMN FLANGE WIDTH DIMENSION OCCURS ANYWHERE IN BETWEEN THE SIDE PLATES (A) FROM TOP TO BOTTOM. THE SIDE PLATES SHALL BE PARALLEL TO ONE ANOTHER. IN NO CASE SHALL THEY BE LESS THAN THE ACTUAL COLUMN FLANGE WIDTH.
 - MAXIMUM SPREAD DIMENSION OF SIDE PLATE (A) SHALL NOT EXCEED ACTUAL COLUMN FLANGE WIDTH PLUS THE SCHEDULED SPREAD DIMENSION. THE FIELD CONSTRUCTION AID SHALL BE PLACED AND HOLD THE SIDE PLATES IN THIS FLARED CONDITION UNTIL THE BEAM HAS BEEN SAFELY ERECTED. IN NO CASE SHALL THE SPREAD CAUSE PERMANENT DEFORMATION IN THE SIDE PLATES.
 - VERIFICATION OF BOLT HOLE ELEVATION AND SPACING FOR POSITION OF SIDE PLATE (A) AND PROPER POSITION AND ELEVATION OF ANGLES (G).
 - BEAM ASSEMBLY**
 - VERIFICATION OF PERPENDICULAR ALIGNMENT BETWEEN THE TOP COVER PLATE (B) AND BOTTOM ANGLES (H) TO THE WEB OF THE BEAM. TO MINIMIZE, IF NOT ELIMINATE, ANY MISALIGNMENT OF BOLT HOLES DUE TO BEAM FLANGE TILT WHEN THE BEAM HAS BEEN LOWERED INTO PLACE.
 - VERIFICATION OF BOLT HOLE SPACING AND POSITION ON COVER PLATE (B) AND ANGLES (H). CONSIDERATION SHALL BE GIVEN TO THE CUPPING EFFECT OF THE TOP COVER PLATE (B), DUE TO WELD SHRINKAGE.
 - VERIFICATION OF THE DISTANCE BETWEEN EXTERIOR ANGLE (H) FACES AND THEIR RESPECTIVE BOLT HOLE PLACEMENT TO EACH OTHER (VERTICALLY AND HORIZONTALLY).
 - VERIFICATION THAT IN NO CASE SHALL THE OUTSIDE FACE OF VSE (F) EXTEND BEYOND THE OUTSIDE FACES OF THE LONGITUDINAL ANGLES (H).
 - VERIFICATION THAT VERTICAL PLACEMENT OF VSE (F) IS IN THE CORRECT LOCATION.
- THE PARTS TO BE JOINED BY FILLET WELDS SHALL BE BROUGHT INTO AS CLOSE CONTACT AS PRACTICABLE, USING AS NECESSARY SUITABLE CLAMPING MEANS. THE ROOT OPENING (I.E., THE FT-JP GAP) SHALL NOT EXCEED 1/4 INCH. FOR FILLET WELD ROOT GAPS GREATER THAN 1/16 INCH, THE LEG SIZE (I.E., THE SPECIFIED SIZE) OF FILLET WELD SHALL BE INCREASED BY THE AMOUNT OF THE ROOT OPENING.
- THERMAL CUTTING**
 - THE ROUGHNESS OF ALL THERMAL-CUT SURFACES SHALL BE NO GREATER THAN AN ANSI SURFACE ROUGHNESS VALUE OF 1000 MICRO-INCHES. ROUGHNESS EXCEEDING THIS VALUE AND NOTCHES OR GOUGES NOT MORE THAN 3/16 INCH DEEP SHALL BE REMOVED BY MACHINING OR GRINDING. NOTCHES OR GOUGES IN THE THERMALLY CUT EDGES DEEPER THAN 3/16 INCH SHALL BE REPAIRED PER AWS.
- TENSION CALIBRATION**
 - TENSION CALIBRATION SHALL BE USED TO CONFIRM THE SUITABILITY OF THE COMPLETE FASTENER ASSEMBLY, AND THE PROCEDURE TO BE USED BY THE BOLTING CREW.

QUALITY ASSURANCE

- IN ADDITION TO ALL OTHER QUALITY ASSURANCE INSPECTION ACTIVITIES, THE OWNER'S VERIFICATION INSPECTOR SHALL BE RESPONSIBLE FOR:
- WELDING**
 - TO ASSURE THE PROPER AMPERAGE AND VOLTAGE OF THE WELDING PROCESS, THE USE OF HAND HELD CALIBRATED AMP AND VOLT METERS SHALL BE USED. THIS EQUIPMENT SHALL BE USED BY THE FABRICATOR AND THE INSPECTOR. AMPERAGE AND VOLTAGE SHALL BE MEASURED NEAR THE ARC. TRAVEL SPEED AND ELECTRODE STICK OUT SHALL BE VERIFIED TO BE IN COMPLIANCE WITH THE APPROVED WPS.
 - VISUAL INSPECTION SHALL BE PERFORMED ON ALL SHOP WELDS.
 - EACH WELDER EMPLOYED ON THE PROJECT SHALL UNDERSTAND ALL THE REQUIREMENTS OF THE WELDING PROCEDURE SPECIFICATIONS BEFORE WELDING ON THE PROJECT.
 - AS-BUILT BEAM TO COLUMN GAP PER CONNECTION SCHEDULE IS ALLOWED TO BE INSTALLED WITH A TOLERANCE OF PLUS OR MINUS 1/2 INCH.
 - FAVING SURFACES**
 - THE SURFACES ADJACENT TO THE BOLT HEAD AND NUT SHALL BE FREE OF DIRT AND OTHER FOREIGN MATERIAL OTHER THAN THE SPECIFIED COATINGS.
 - FAVING SURFACES ARE PERMITTED TO BE UNCOATED AND COATED WITH ANY COATINGS OF ANY FORMULATION OR GALVANIZATION.
 - AFTER THE CONNECTIONS HAVE BEEN ASSEMBLED, VISUALLY ENSURE THAT THE PLIES OF THE CONNECTED ELEMENTS HAVE BEEN BROUGHT INTO AS CLOSE CONTACT AS PRACTICABLE WITH ONE ANOTHER. GAPS UP TO 1/8 INCH BETWEEN THE SURFACES SHALL BE ALLOWED. GAPS GREATER THAN 1/8 INCH UP TO 1/4 INCH SHALL HAVE FINGER SHIMS INSTALLED BEFORE PRETENSIONING. FOR GAPS GREATER THAN 1/4 INCH, CONTACT SIDEPLATE SYSTEMS, INC.

HOT DIPPED GALVANIZING

- SIDEPLATE CONNECTIONS REQUIRING THIS TYPE OF FINISH SHALL FOLLOW THE SAME CONSTRUCTION SEQUENCING AS PREVIOUSLY OUTLINED WITH THE FOLLOWING MODIFICATIONS:
 - HORIZONTAL SHEAR PLATES (D) SHALL HAVE AN INCREASED CLIP SIZE WHICH SHALL BE 1 5/8 INCH BY 1 5/8 INCH TO PROVIDE ADEQUATE VENTILATION AND DRAINAGE. CONTACT SIDEPLATE SYSTEMS, INC. IN THE EVENT THAT THE GALVANIZING CONTRACTOR SPECIFICATIONS REQUIRE A LARGER OPENING THAN THAT SPECIFIED HEREIN.
 - SEAL WELDING SHALL BE ALLOWED ON THE PLATES (B) AND ANGLES.
 - ANY DEVIATIONS TO THESE MODIFICATIONS SHALL BE COORDINATED WITH SIDEPLATE SYSTEMS, INC. AND THE SEOR.

FIREPROOFING

- WHEN REQUIRED BY THE GOVERNING CODE FOR CERTAIN TYPES OF CONSTRUCTION, SIDEPLATE CONNECTIONS SHALL HAVE A FIRE-RESISTANCE RATING LIKE THAT OF A STEEL "STRUCTURAL FRAME".
- THE MINIMUM THICKNESS OF SPRAY-APPLIED FIRE-RESISTIVE MATERIAL (SFRM) FOR STEEL SIDEPLATE CONNECTIONS PLATES THAT ARE NOT ENCASED IN CONCRETE, SHALL BE DETERMINED JUST LIKE THAT OF A PIPE/TUBE COLUMN SECTION WITH A CONSTANT STEEL WALL THICKNESS USING THE THICKNESS OF SIDE PLATE (A) FOR EACH SIDEPLATE CONNECTION ID PER THE SIDEPLATE CONNECTION SCHEDULE, WHICH ARE UNIFORMLY HEATED AND PROTECTED (THE FIRE EXPOSURE OF A PIPE/TUBE COLUMN IS DIRECTLY ANALOGOUS TO A PLATE WITH A 1-SIDED FIRE EXPOSURE AND PROTECTION). THE SFRM SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ASTM E119 AND LISTED FOR FIRE RESISTIVE PIPE/TUBE COLUMN APPLICATIONS FOR NO LESS THAN THE REQUIRED RATED TIME.
- AS REQUIRED, WHEN NO VERTICAL SHEAR ELEMENT (F) EXISTS IN THE BEAM, SPRAY THE MINIMUM THICKNESS OF SFRM BEHIND INSIDE OF SIDE PLATE (A) AND BEAM WEB COVERING ALL SURFACES INCLUDING COLUMN FLANGE. NOTE: THIS DOES NOT NECESSITATE FILLING THE CAVITY FULL.
- WHEN VERTICAL SHEAR ELEMENT (F) IS USED, THE CONTRACTOR SHALL PROVIDE THE MEANS, TYPICALLY DONE WITH A LAYERING TECHNIQUE, FOR FIREPROOFING ACROSS THE BOTTOM OF THE GAP.
- SEE GRAPHIC NUMBER 10 IN FIELD ERECTION OF THE SIDEPLATE BOLTED SYSTEM FOR FIREPROOFING ACROSS THE BOTTOM OF THE GAP.

INTELLECTUAL PROPERTY

- IN ORDER TO SAFEGUARD THE AUTHORIZED USE AND INTELLECTUAL PROPERTY OF THE PATENTED SIDEPLATE CONNECTION TECHNOLOGY, THE STEEL FABRICATOR CONTRACTOR SHALL SATISFY THE FOLLOWING REQUIREMENTS:
 - A NOTICE OF INTELLECTUAL PROPERTY, IDENTICAL TO THAT PROVIDED ON THIS SHEET, SHALL BE AFFIXED ON EACH SHEET OF SHOP DETAIL AND FIELD ERECTION DRAWINGS CONTAINING SIDEPLATE SYSTEM INFORMATION WHICH DISCLOSES IN ANY WAY THE SIDEPLATE CONNECTION CONCEPT PRIOR TO RELEASING SUCH INFORMATION FOR ITS INTENDED USE. SUCH NOTICE SHALL BE PROVIDED TO THE STEEL FABRICATION SUBCONTRACTOR BY SIDEPLATE SYSTEMS, INC. IN A FORMAT (E.G. WORD OR AUTOCAD) SUITABLE TO THE NEEDS OF THE STEEL FABRICATION SUBCONTRACTOR'S DETAILER.
 - PATENT LABELS SHALL BE APPLIED ON THE OUTSIDE FACE OF ONE OF THE TWO BOTTOM HORIZONTAL SHEAR PLATES (D) OF EACH MOMENT CONNECTION AND ON ONE END OF THE BEAM WEB IN COMPLIANCE WITH THE PATENT AND INTELLECTUAL PROPERTY LAWS.

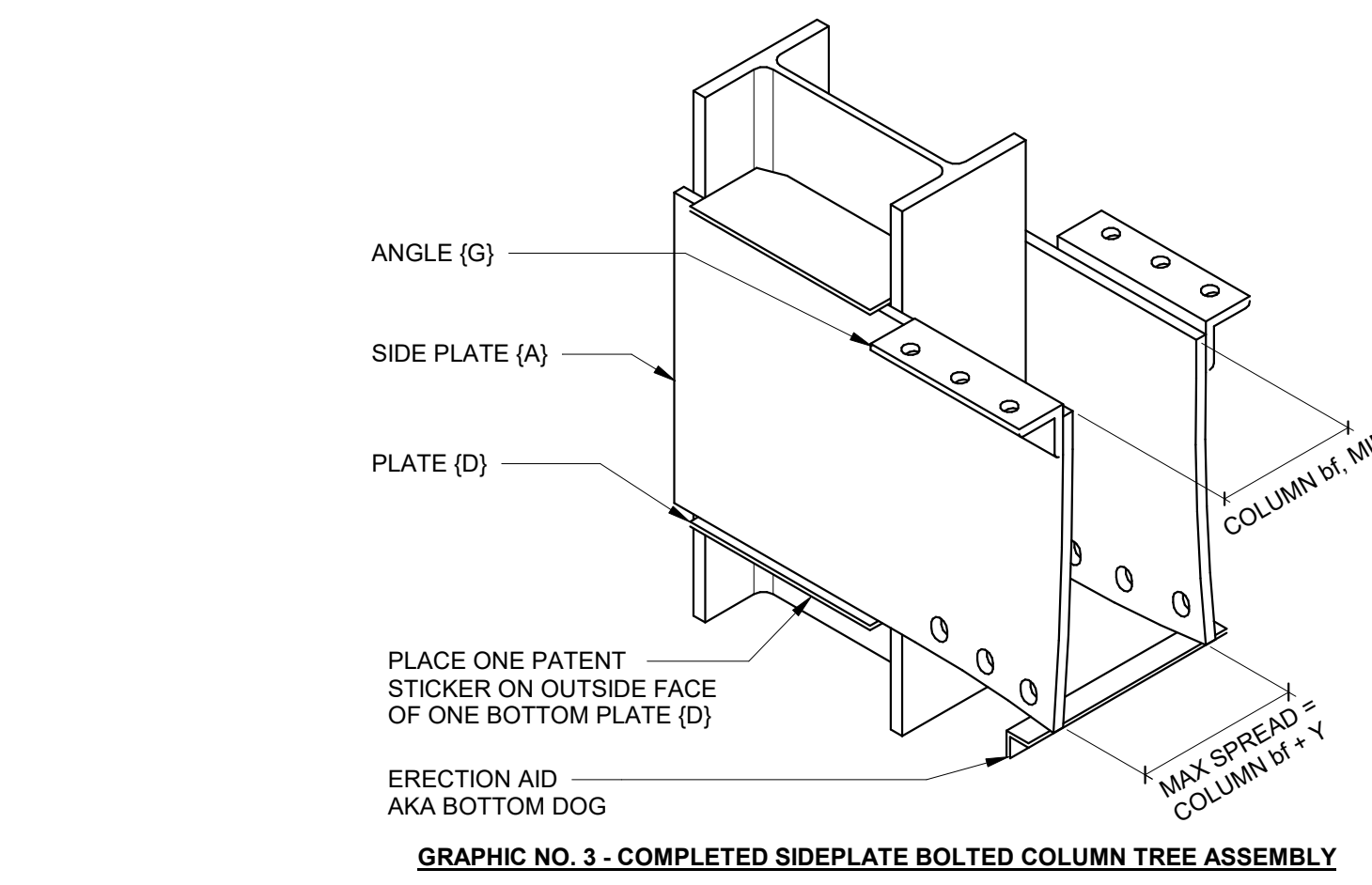
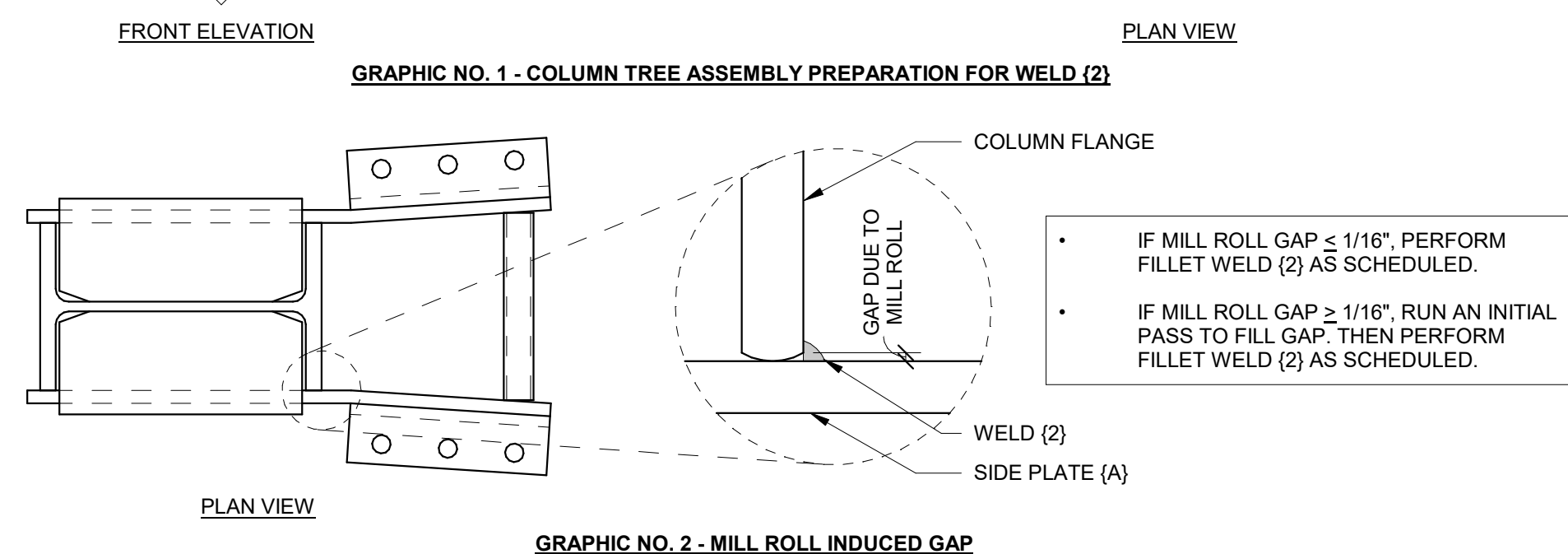
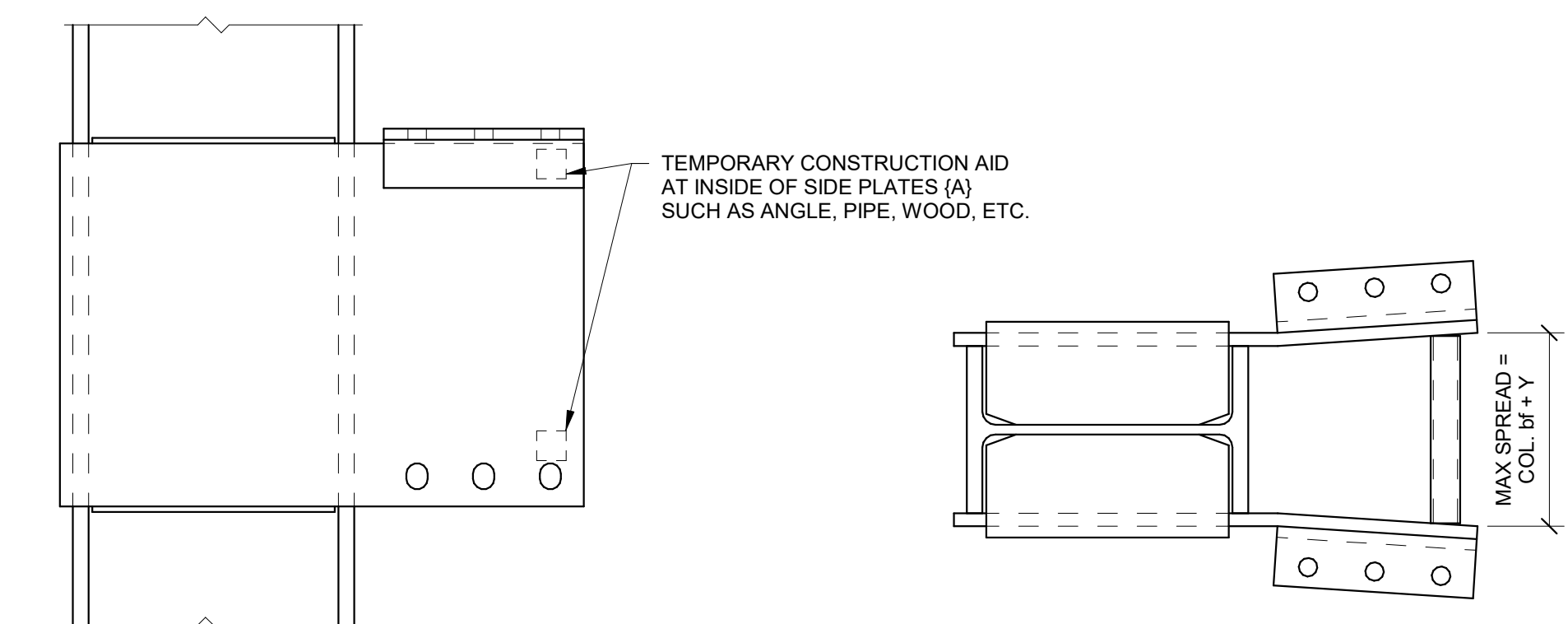
CONSTRUCTION GUIDELINES

- THE CONTRACTOR SHALL ASSUME FULL AND COMPLETE RESPONSIBILITY FOR THE MEANS AND METHODS OF CONSTRUCTING THE STEEL FRAME USING THE SIDEPLATE BOLTED SYSTEM. CONSTRUCTION MEANS AND METHODS SHALL BE COMPLIANT WITH THE CURRENT PROVISIONS OF AWS D1.1, THE AISC 360 CODE OF STANDARD PRACTICE, THE RCSC HIGH-STRENGTH BOLTING SPECIFICATIONS, AND THE CONSTRUCTION GUIDELINES PROVIDED HEREIN AND SHALL INCLUDE, BUT ARE NOT LIMITED TO:
 - DIMENSIONAL VERIFICATION AND CONTROL
 - FABRICATION AND ERECTION PROCEDURES (INCLUDING METHODS FOR CONTROLLING DISTORTION DUE TO WELD SHRINKAGE, AND FOR CONTROLLING CORROSIVED MILL FABRICATION AND ERECTION TOLERANCES)
 - CONSTRUCTION AIDS SUCH AS ERECTION RIGGING AND SHORING
 - PROPER BOLT HOLE ALIGNMENT
 - PROPER PRETENSIONING OF BOLTS
- THE SEQUENCE OF CONSTRUCTION OPTIONS PROVIDED BELOW IN THESE CONSTRUCTION GUIDELINES HAVE PROVEN TO BE SUCCESSFUL BY STEEL FABRICATORS AND ERECTOR TO COST EFFICIENTLY CONSTRUCT THE BOLTED SIDEPLATE CONNECTION SYSTEM. VARIATIONS TO THESE CONSTRUCTION SEQUENCE OPTIONS PROVIDED BELOW SHALL BE SUBMITTED FOR REVIEW AND DISPOSITION TO SIDEPLATE SYSTEMS, INC.
- A PRE-FABRICATION COORDINATION MEETING WITH A SIDEPLATE SYSTEMS, INC. REPRESENTATIVE IS REQUIRED FOR ALL PROJECTS. THE PRE-FABRICATION COORDINATION MEETING IS INTENDED TO SHARE BEST PRACTICES AND COMMON MISTAKES TO AVOID.

SHOP FABRICATION OF THE SIDEPLATE BOLTED SYSTEM

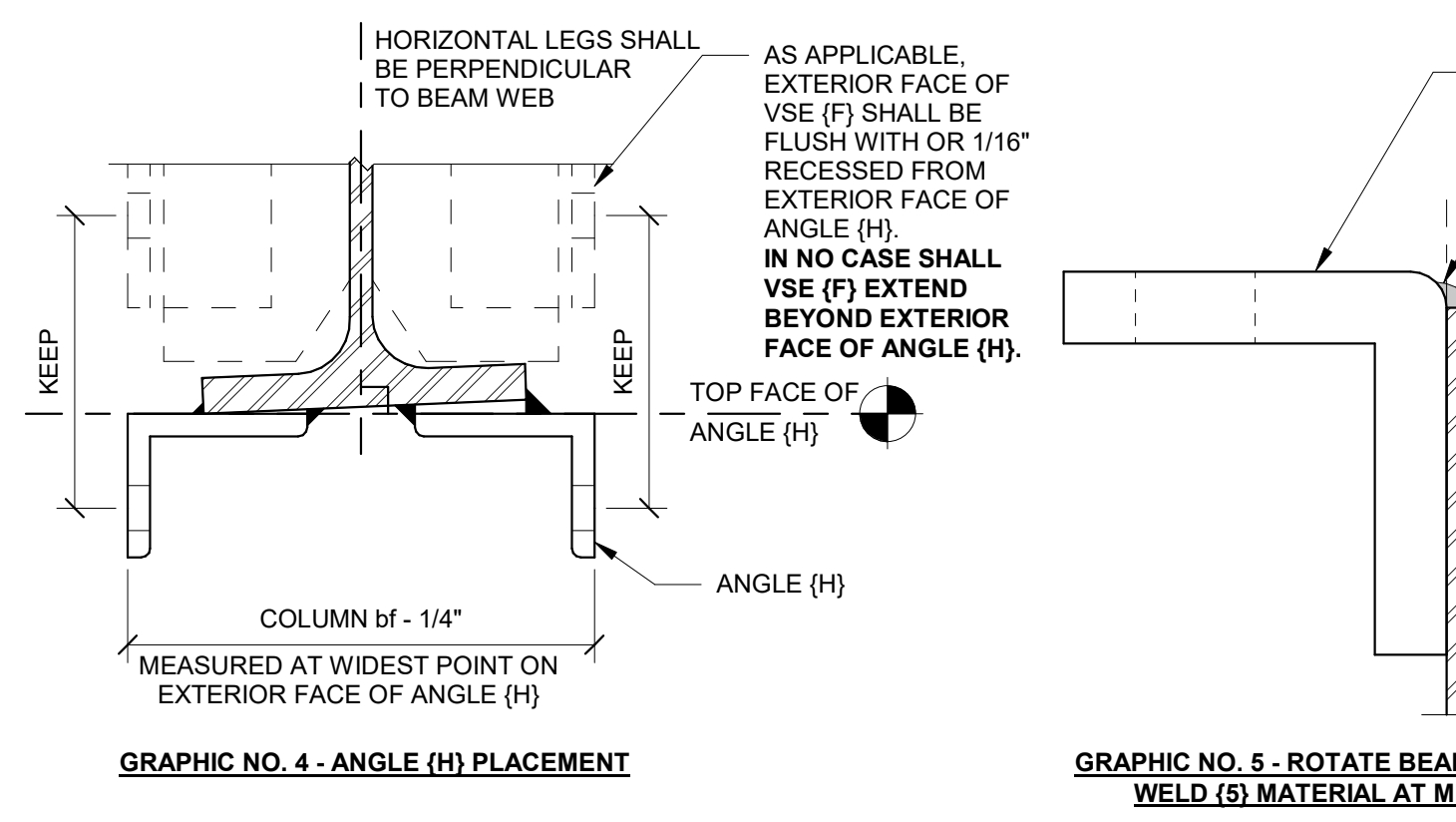
- WATCH OUR SIDEPLATE COLUMN ASSEMBLY VIDEO AT

<https://portal.sideplate.com/account/login>



- WATCH OUR SIDEPLATE BEAM ASSEMBLY VIDEO AT

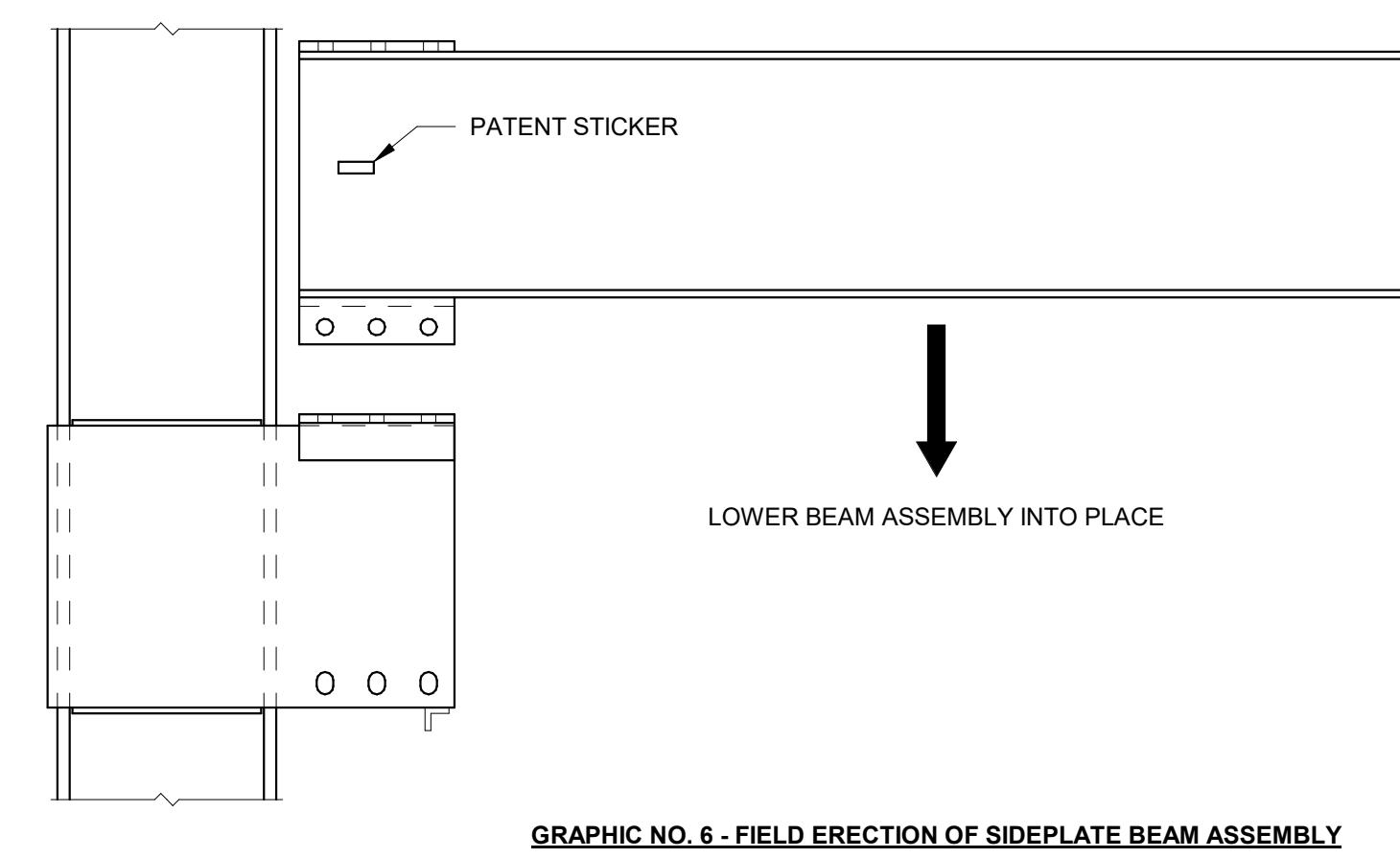
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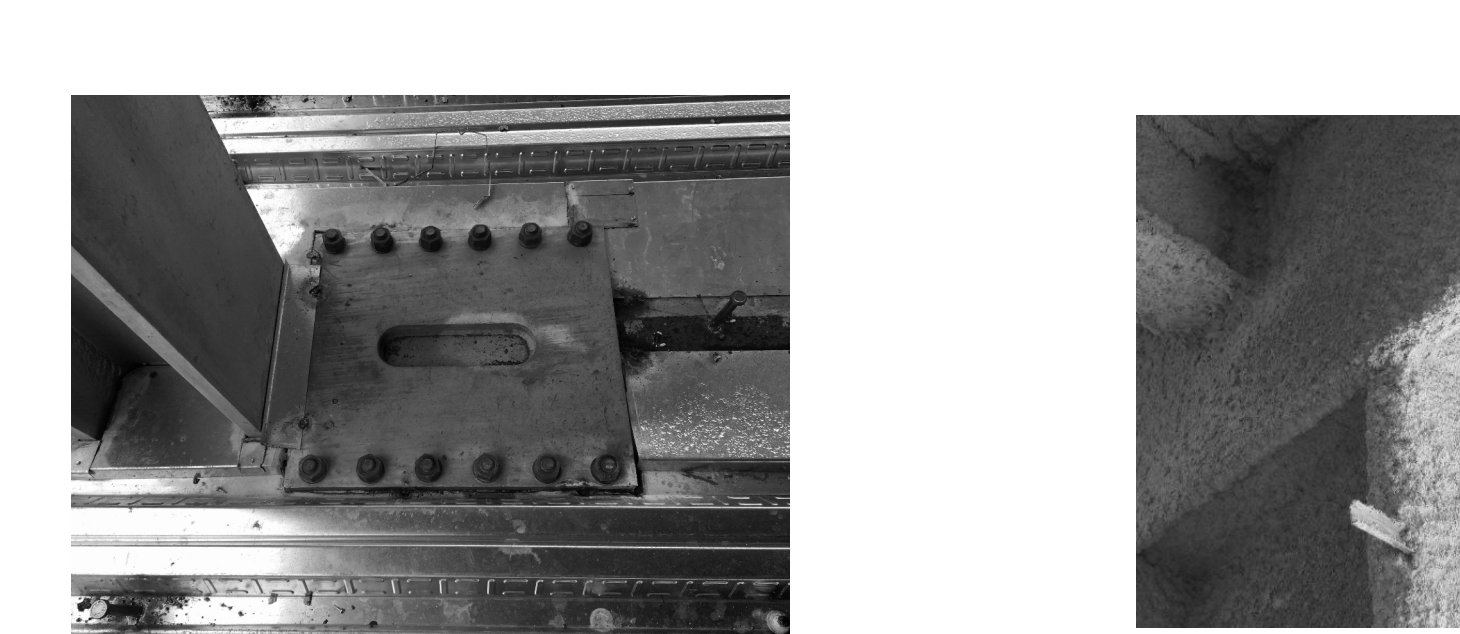
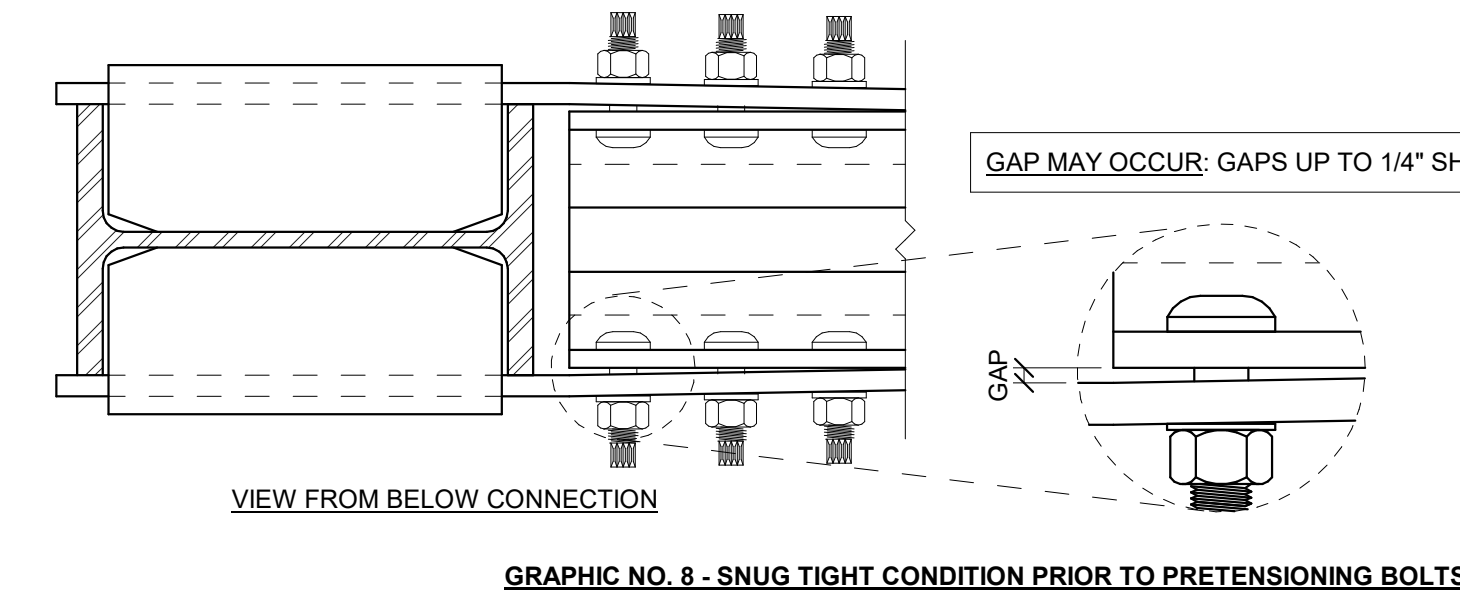
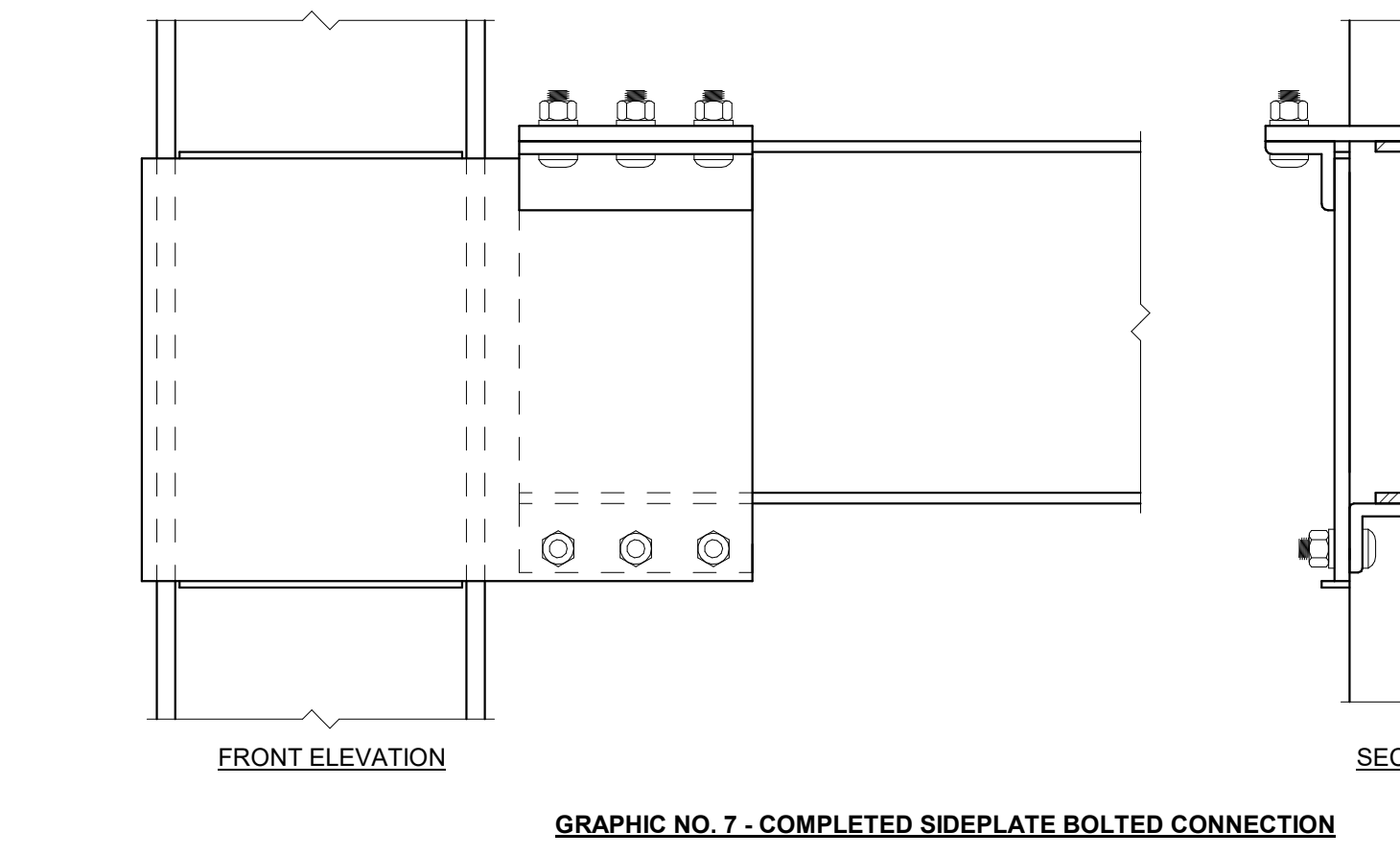
FIELD ERECTION OF SIDEPLATE BOLTED SYSTEM

- WATCH OUR SIDEPLATE FIELD ERECTION VIDEO AT

<https://portal.sideplate.com/account/login>



FIELD ERECTION OF SIDEPLATE BEAM ASSEMBLY



GRAPHIC NO. 9 - TYPICAL GAP CLOSURE AT THE TOP OF THE GAP

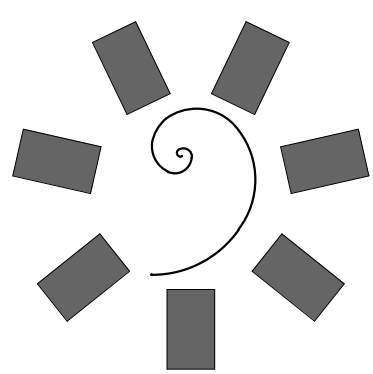


GRAPHIC NO. 10 - FIREPROOFING ACROSS THE BOTTOM OF THE GAP



INTELLECTUAL PROPERTY NOTICE
THE SIDEPLATE® steel frame connection system is covered by one or more of U.S. Pat. Nos. 6,138,427; 6,516,583; 6,591,123; 7,172,296; 8,122,671; 8,122,672; 8,146,327; 8,176,706; 8,205,408; and 8,091,065 and foreign counterparts. Other U.S. and foreign applications pending.

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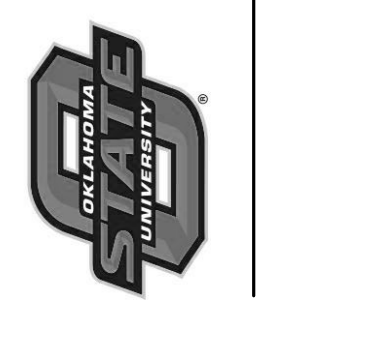
CONSULTANT LOGO



CLIENT



**COLLEGE OF
Osteopathic Medicine**
AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA



KEY PLAN

#	DATE	REVISIONS	DESCRIPTION

PROJECT PHASE

BID PACKAGE 04

DATE

05-10-19

JOB NUMBER

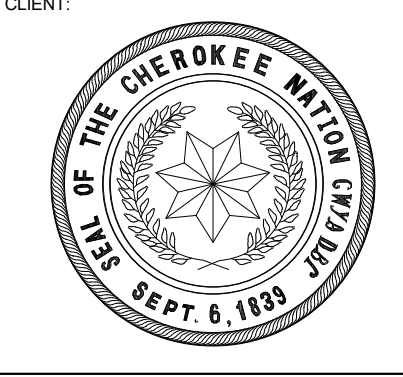
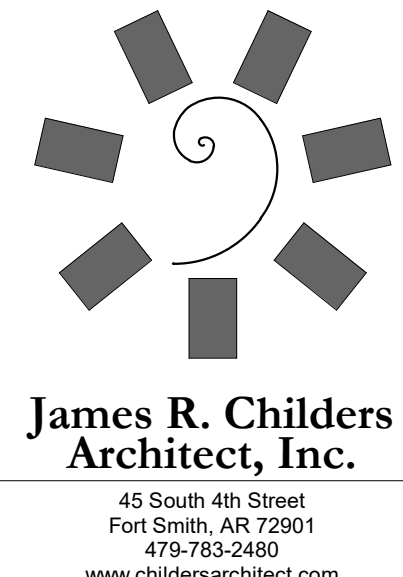
17-13

SHEET NUMBER

S8.01

SIDEPLATE GENERAL NOTES AND CONSTRUCTION GUIDELINES

INTELLECTUAL PROPERTY RIGHTS NOTICE
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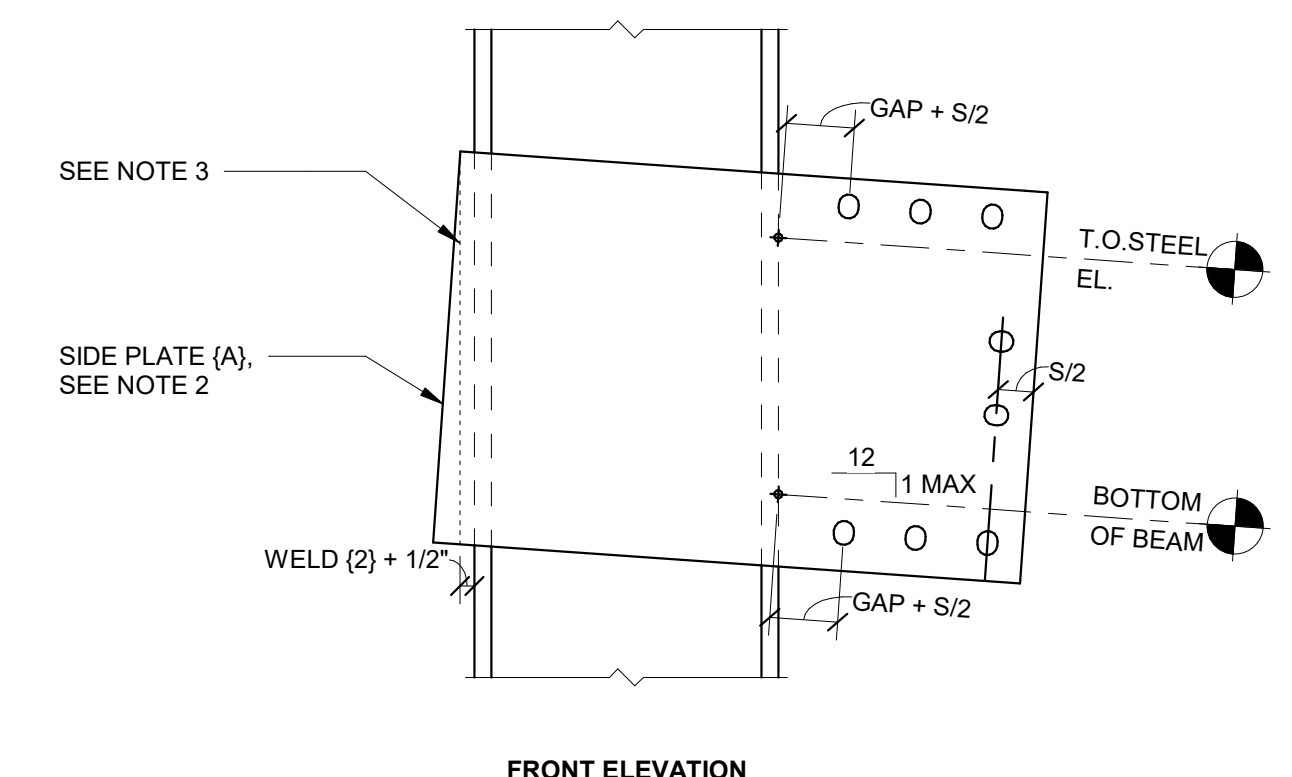
KEY PLAN:

PROJECT PHASE:
 BID PACKAGE 04

#	DATE	REVISIONS	DESCRIPTION

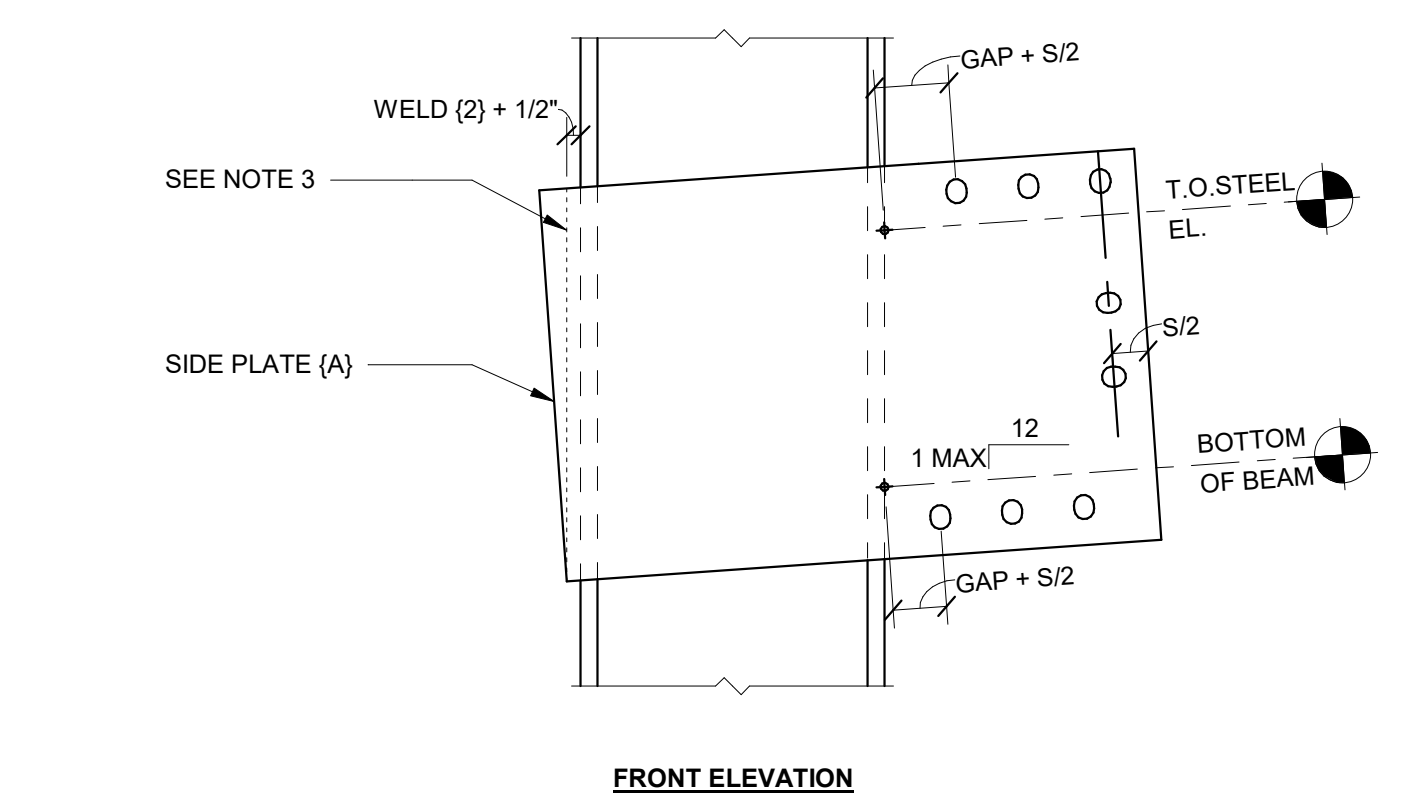
DATE: 05-10-19 JOB NUMBER: 17-13
 SHEET NUMBER: S8.02

SIDEPLATE COLUMN DETAILS, A TYPE NO PLATE D



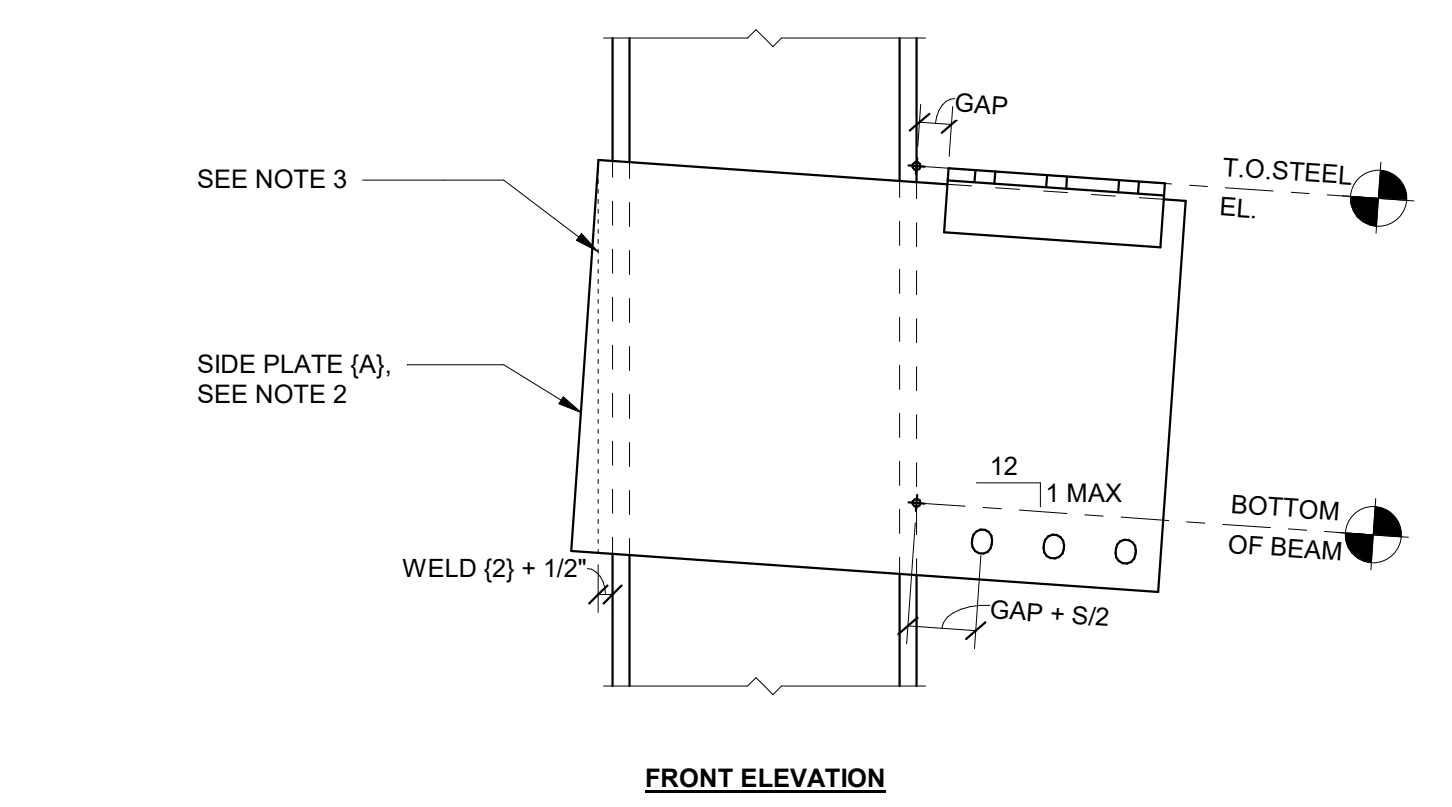
NOTE(S):
 1. FOR BEAM SLOPES > 1" PER FOOT, CONTACT SIDEPLATE SYSTEMS, INC.
 2. COORDINATE PLATES, ANGLES, AND DIMENSIONS WITH RESPECT TO THE SLOPE OF THE CONNECTION.
 3. AT CONTRACTOR'S DISCRETION, SIDE PLATE (A) MAY BE CUT AS SHOWN.

9 SLOPED DOWN CONNECTION (AS APPLICABLE)
 N.T.S.



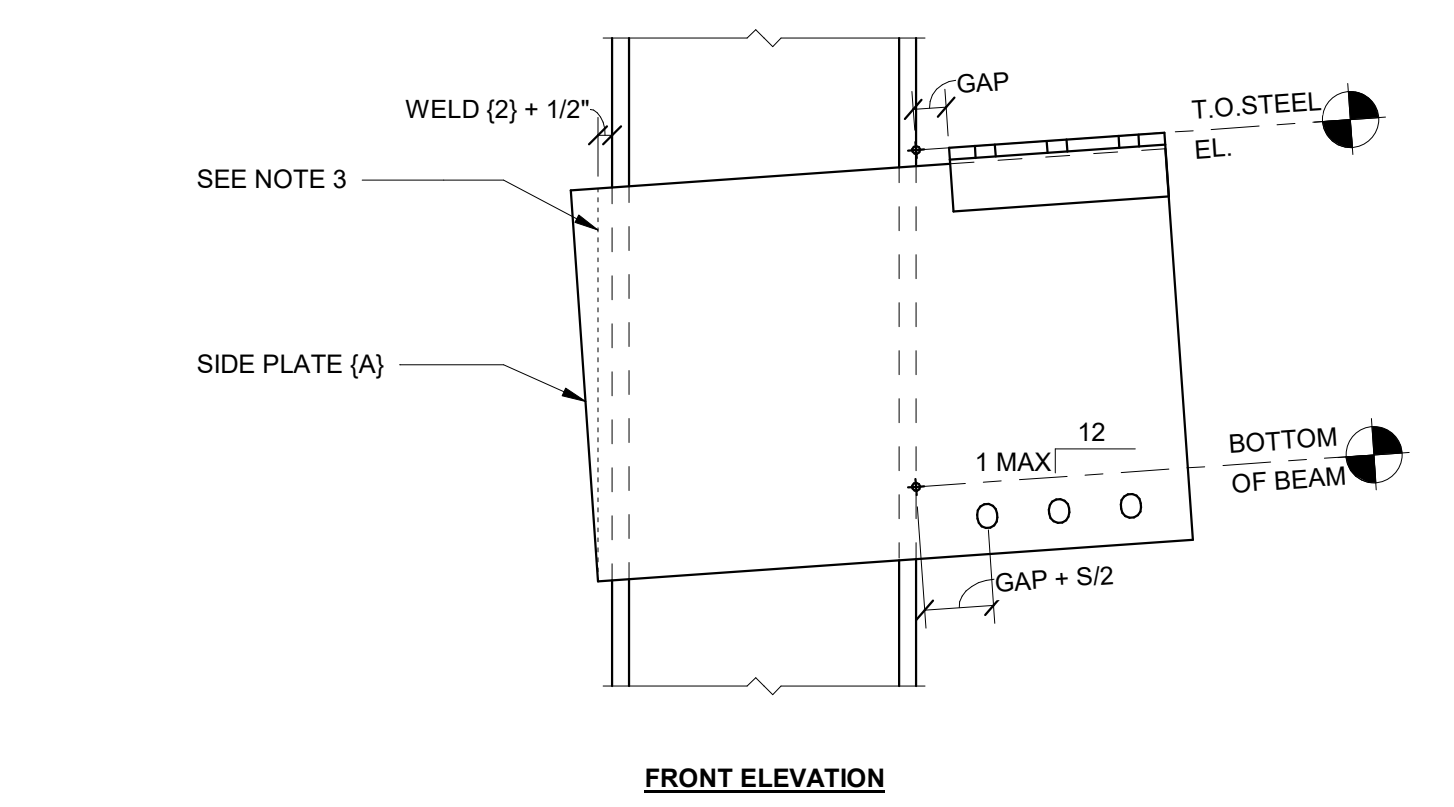
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8 SLOPED UP CONNECTION (AS APPLICABLE)
 N.T.S.



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4 SLOPED DOWN CONNECTION (AS APPLICABLE)
 N.T.S.

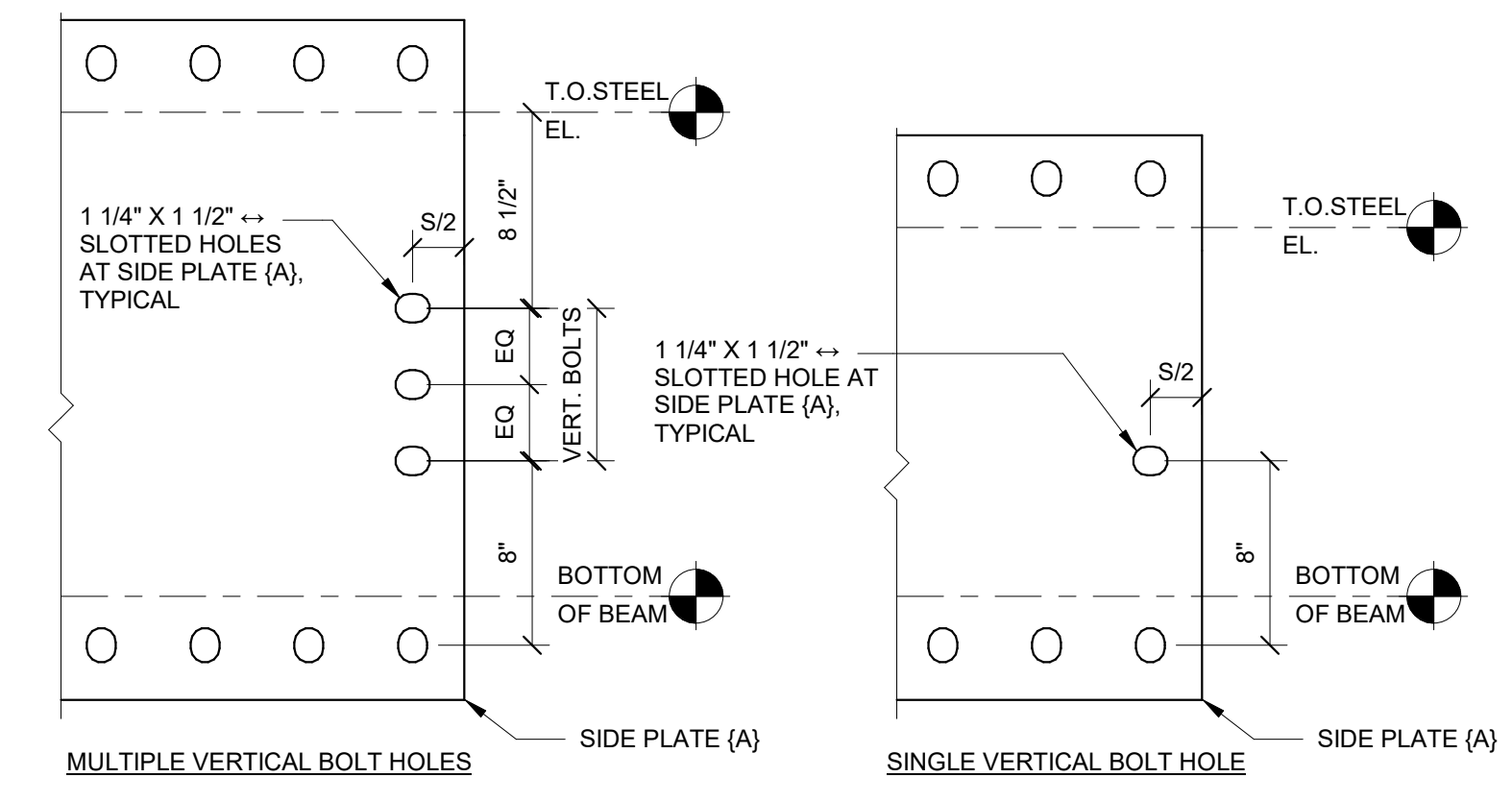


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3 SLOPED UP CONNECTION (AS APPLICABLE)
 N.T.S.

ID	COLUMN PANEL ZONE DESIGN (INCHES)				SIDE PLATE (A) EXTENSION DESIGN (INCHES)								
	SERIES	WELD SIZE	BEAM SHAPE	GAP	PLATE (A)			DIAMETER	HORIZONTAL #	VERTICAL #	G	S	
					THICKNESS	B	Y						
A15	W24x	3/8	W24X68	2	5/8	31 3/4	1 3/8	2 1/2	1 1/8	4	2	2 1/8	4 1/2
A25	W24x	3/8	W24X76	2	3/4	31 7/8	1 3/8	2 1/8	1 1/8	4	2	2 1/8	4 1/2
A35	W24x	3/8	W33X141	2	3/4	41 1/4	1 3/8	3 1/8	1 1/8	5	3	2 1/8	4 1/2
A45	W24x	3/8	W36X160	2	3/4	44	1 3/8	4 3/8	1 1/8	6	3	2 1/8	4 1/2

6 A TYPE NARROW COLUMN CONNECTION SCHEDULE
 N.T.S.

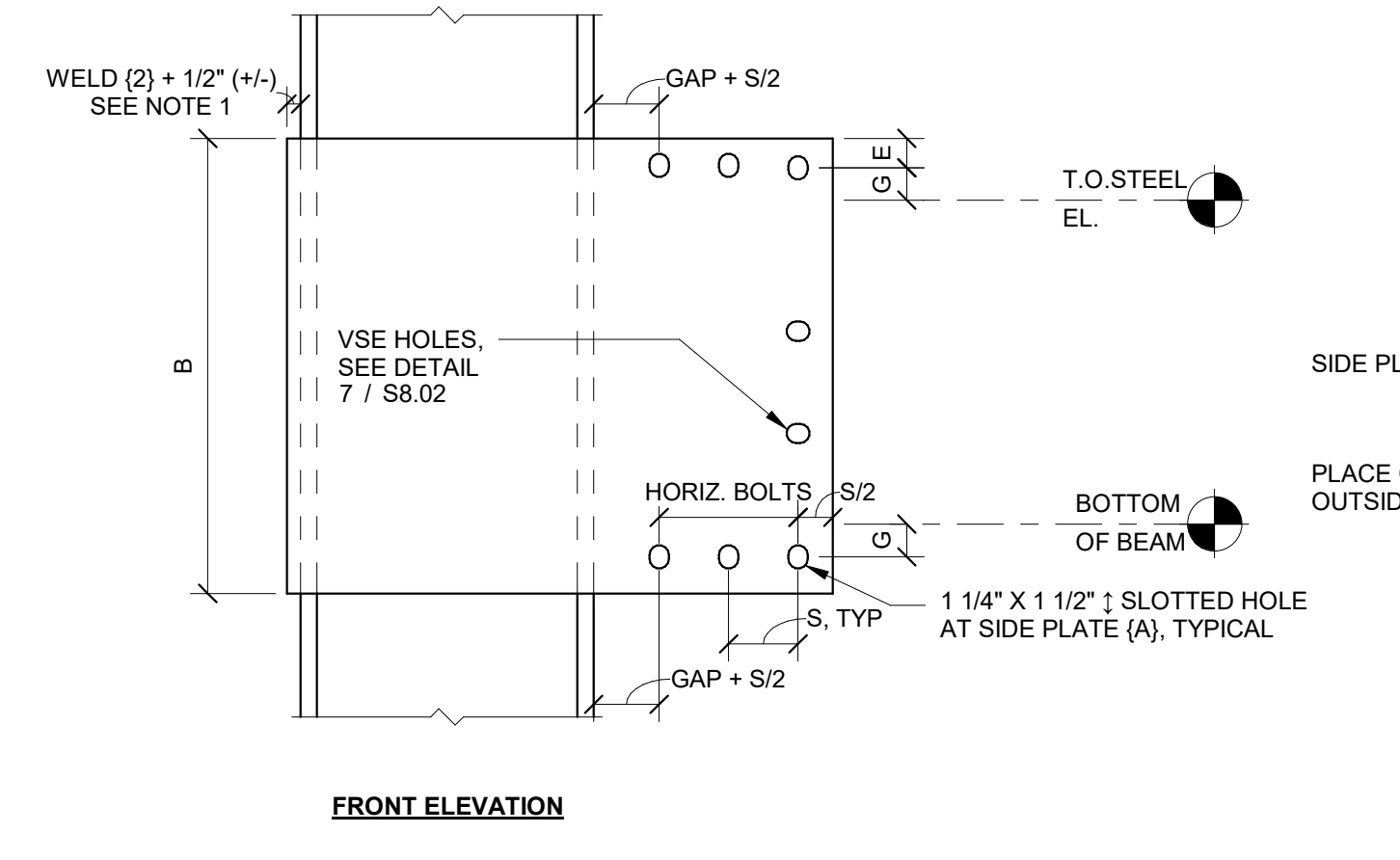
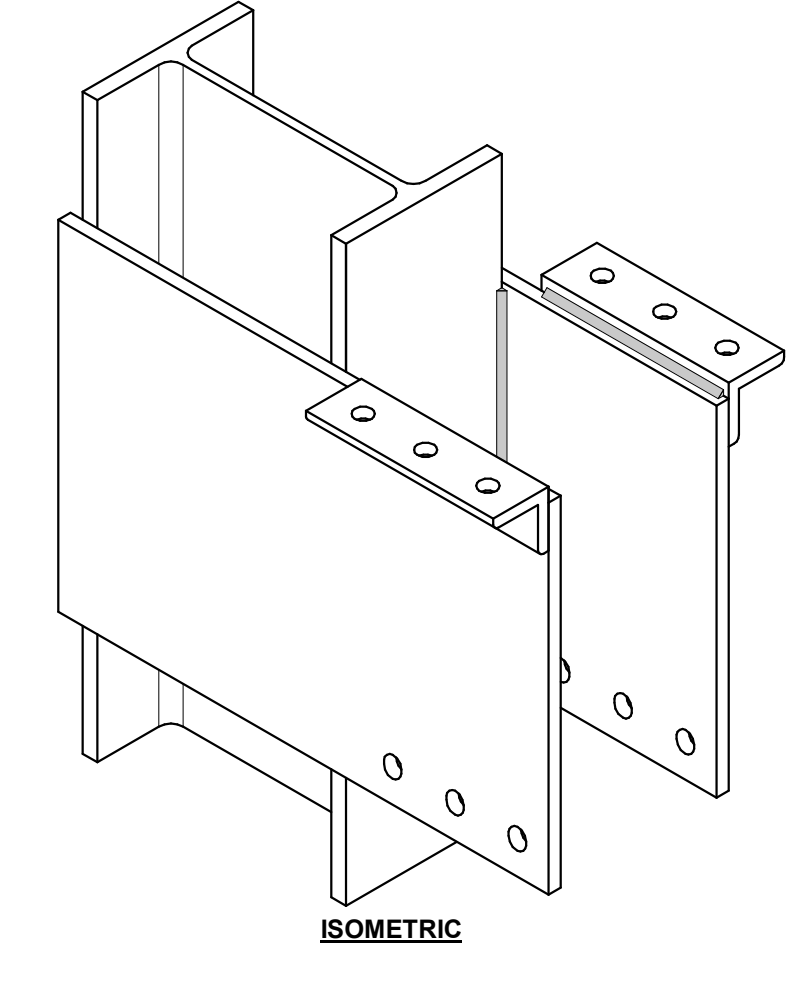
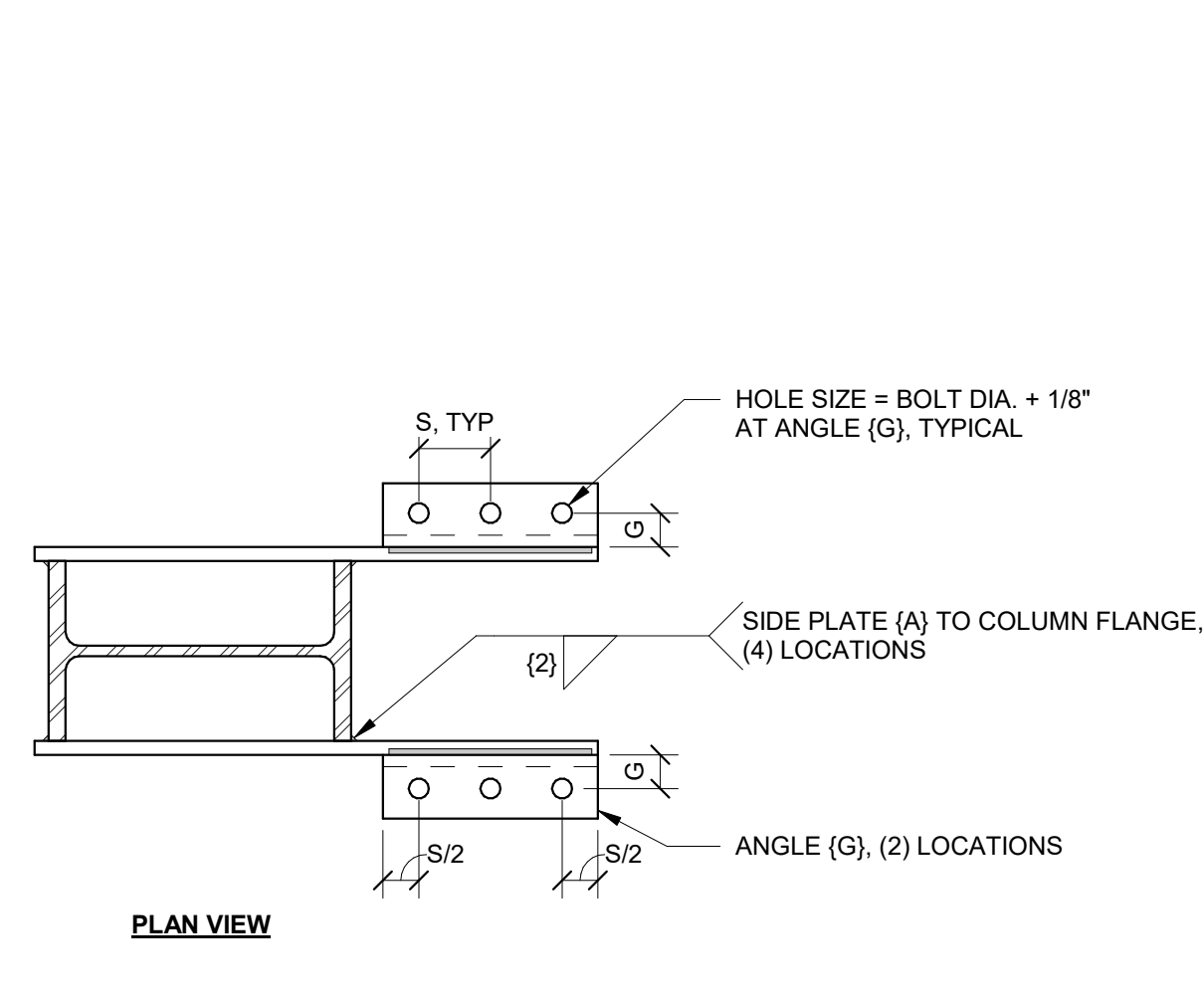
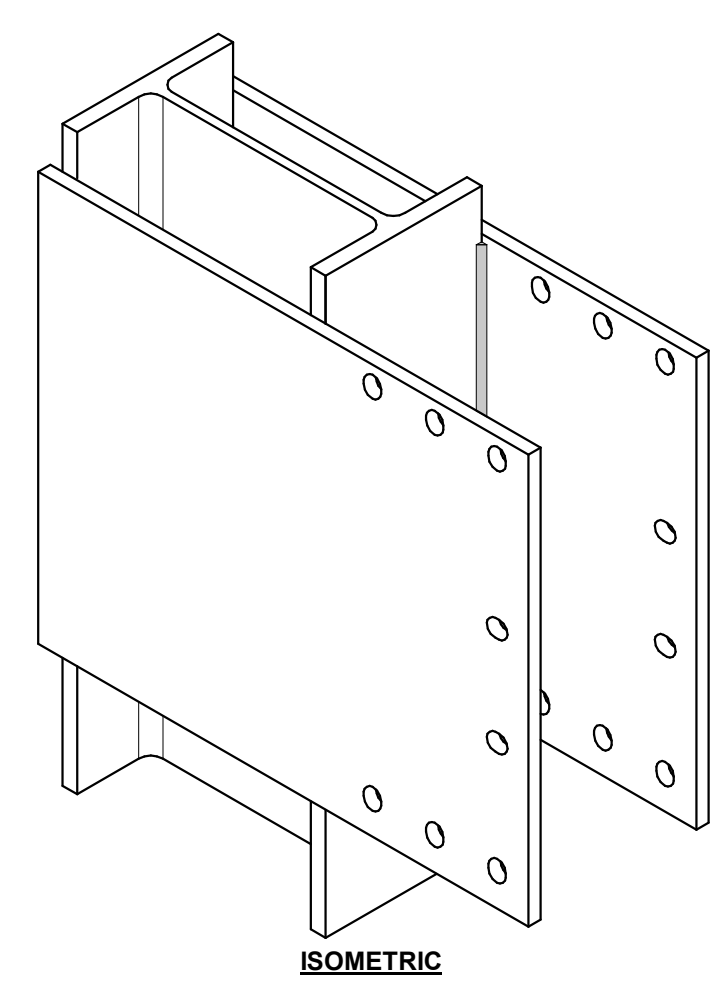
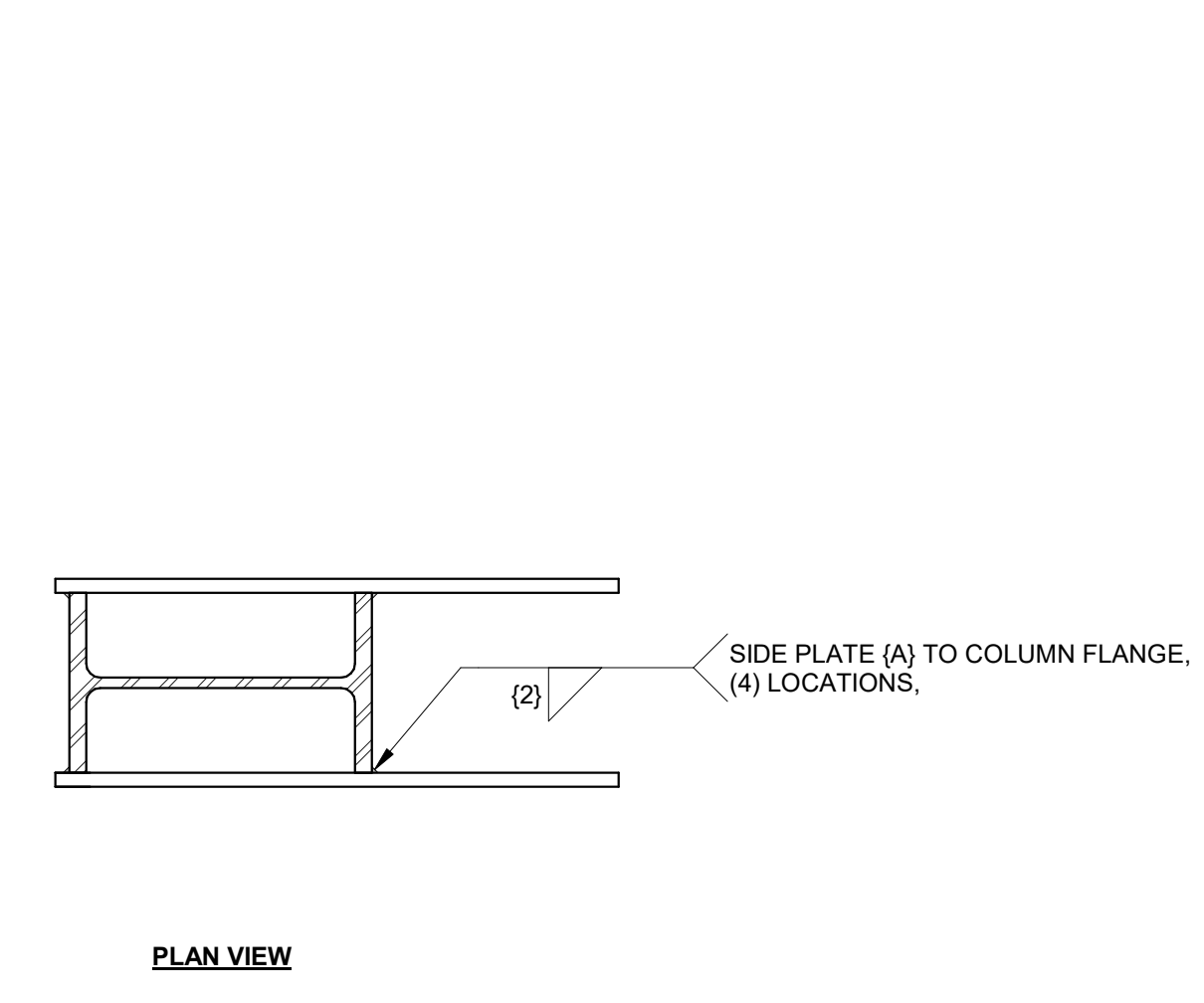


NOTE(S):
 1. SEE COLUMN SCHEDULE FOR BOLT QUANTITY.

7 SIDE PLATE (A) VSE BOLT HOLE DETAIL
 N.T.S.

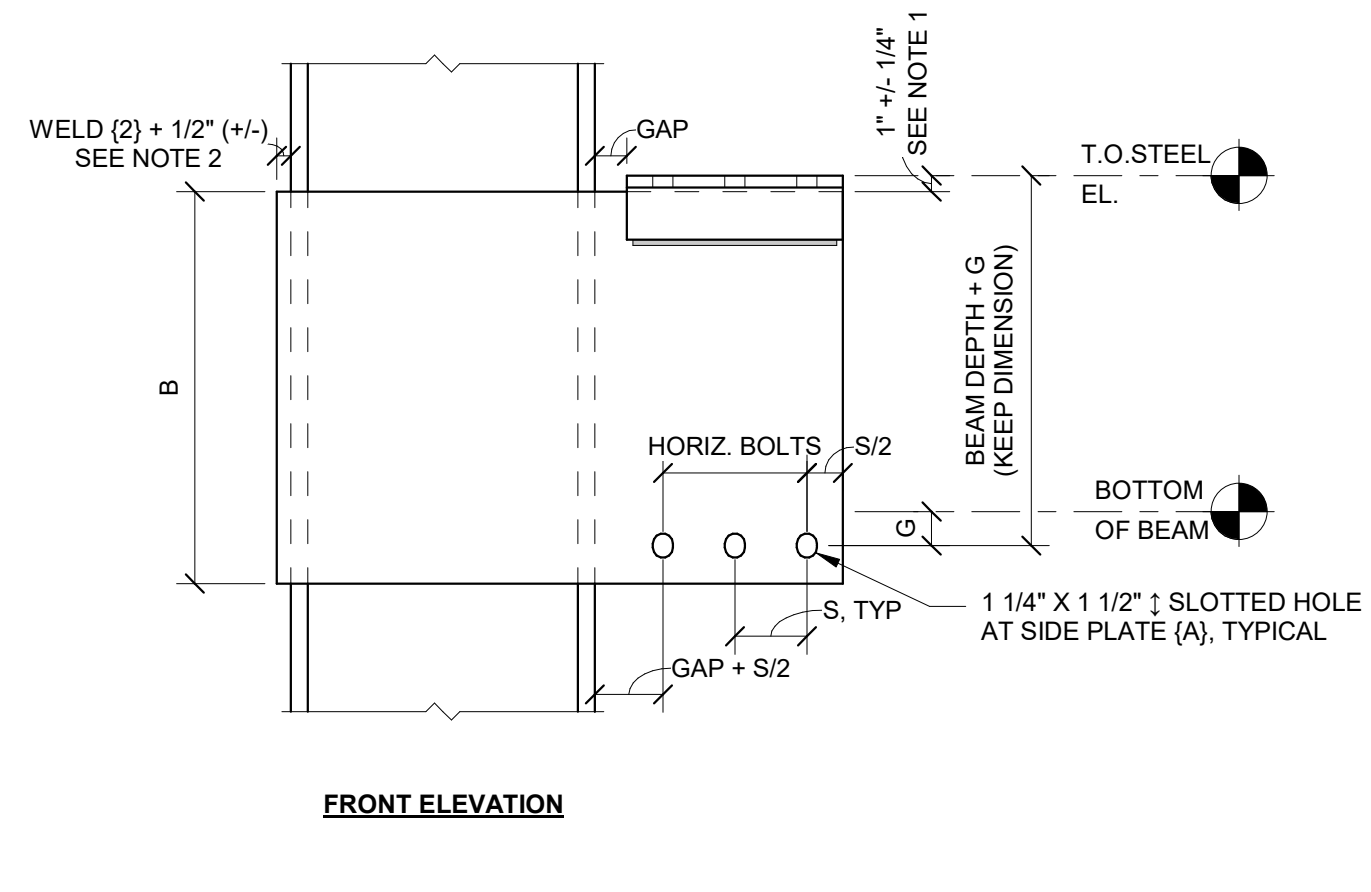
ID	COLUMN PANEL ZONE DESIGN (INCHES)				SIDE PLATE (A) EXTENSION DESIGN (INCHES)										
	SERIES	WELD SIZE	BEAM SHAPE	GAP	PLATE (A)			ANGLE (G)			WELD SIZE	BOLT			
					THICKNESS	B	Y	SUGGESTED SIZE	HORIZONTAL LEG	VERTICAL LEG		DIAMETER	HORIZONTAL #	G	S
A10	W24x	3/8	W24X68	2	5/8	27 1/4	2 1/2	L5X3-1/2X5/8	3-1/2 to 6	4 to 6	5/16	1 1/8	4	2 1/8	4 1/2
A20, A29	W24x	3/8	W24X76	2	5/8	27 3/8	2 1/2	L5X3-1/2X5/8	3-1/2 to 6	4 to 6	5/16	1 1/8	4	2 1/8	4 1/2
A40	W24x	3/8	W36X160	2	3/4	39 1/2	4 3/8	L5X3-1/2X5/8	3-1/2 to 6	4 to 6	5/16	1 1/8	6	2 1/8	4 1/2

2 A TYPE COLUMN CONNECTION SCHEDULE
 N.T.S.



NOTE(S):
 1. THE 1/2 INCH OVERHANG ON THE SIDE PLATE (A) IS TO ENSURE SUFFICIENT ROOM FOR WELD (2). THE +/- TOLERANCE IS APPLIED SO THAT IF DESIRED, THE DETAILER CAN MAKE THE SIDE PLATES (A) THE SAME LENGTH WITH SLIGHTLY VARYING COLUMN DEPTHS WITHIN A GROUP OF THE SAME CONNECTION IDS.

5 A TYPE NARROW BOLTED CONNECTION
 N.T.S.



NOTE(S):
 1. THE +/- 1/4 INCH TOLERANCE FOR PLACEMENT OF ANGLES (G) IS TO ENSURE CORRECT TOP OF STEEL PLACEMENT RELATIVE TO THE CENTERLINE OF THE BOTTOM HORIZONTAL ROW OF BOLT HOLES. THE PLACEMENT OF ANGLES (G) SHALL NEVER BE MEASURED FROM THE BOTTOM EDGE OF SIDE PLATE (A) TO ESTABLISH THE CORRECT TOP OF STEEL.
 2. THE 1/2 INCH OVERHANG ON THE SIDE PLATE (A) IS TO ENSURE SUFFICIENT ROOM FOR WELD (2). THE +/- TOLERANCE IS APPLIED SO THAT IF DESIRED, THE DETAILER CAN MAKE THE SIDE PLATES (A) THE SAME LENGTH WITH SLIGHTLY VARYING COLUMN DEPTHS WITHIN A GROUP OF THE SAME CONNECTION IDS.

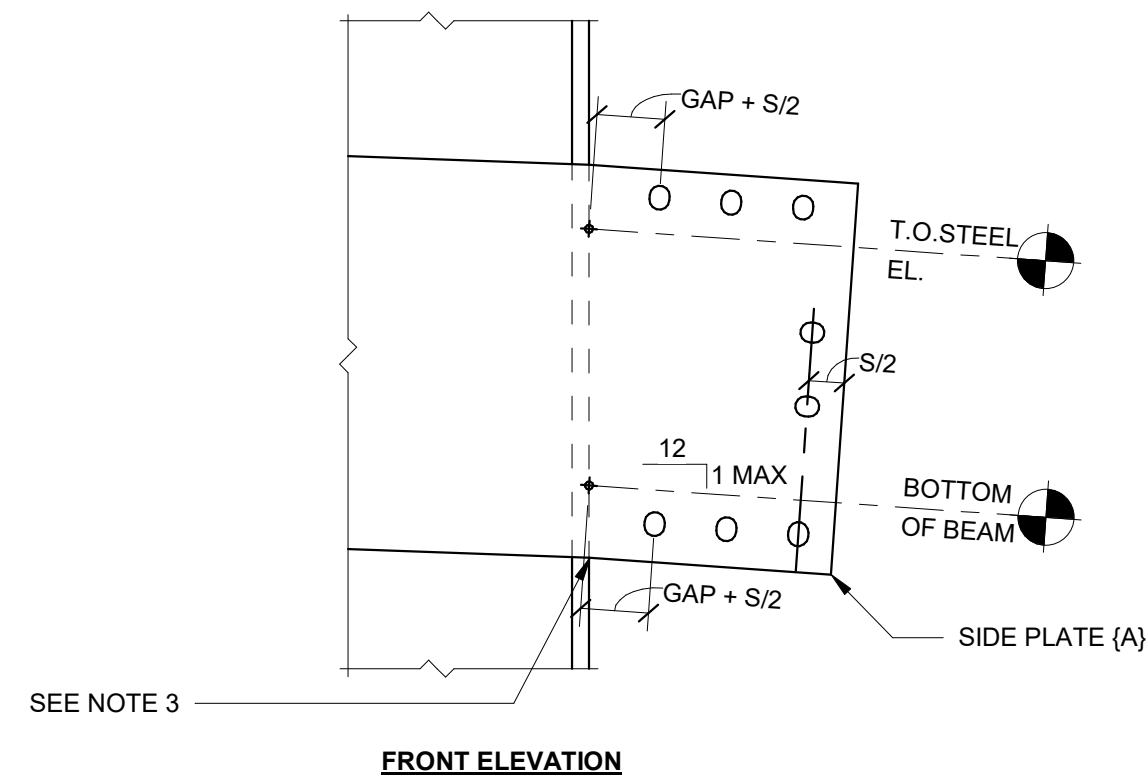
1 A TYPE BOLTED CONNECTION
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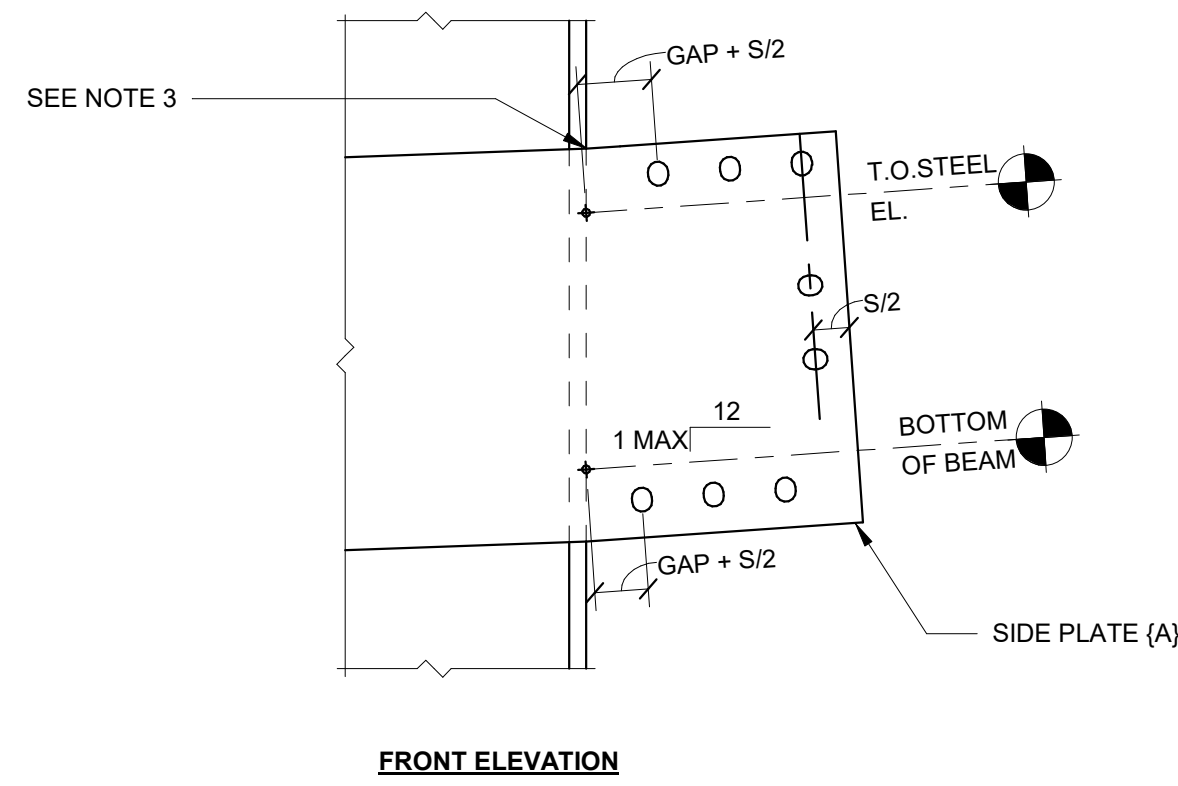
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v19.06.00



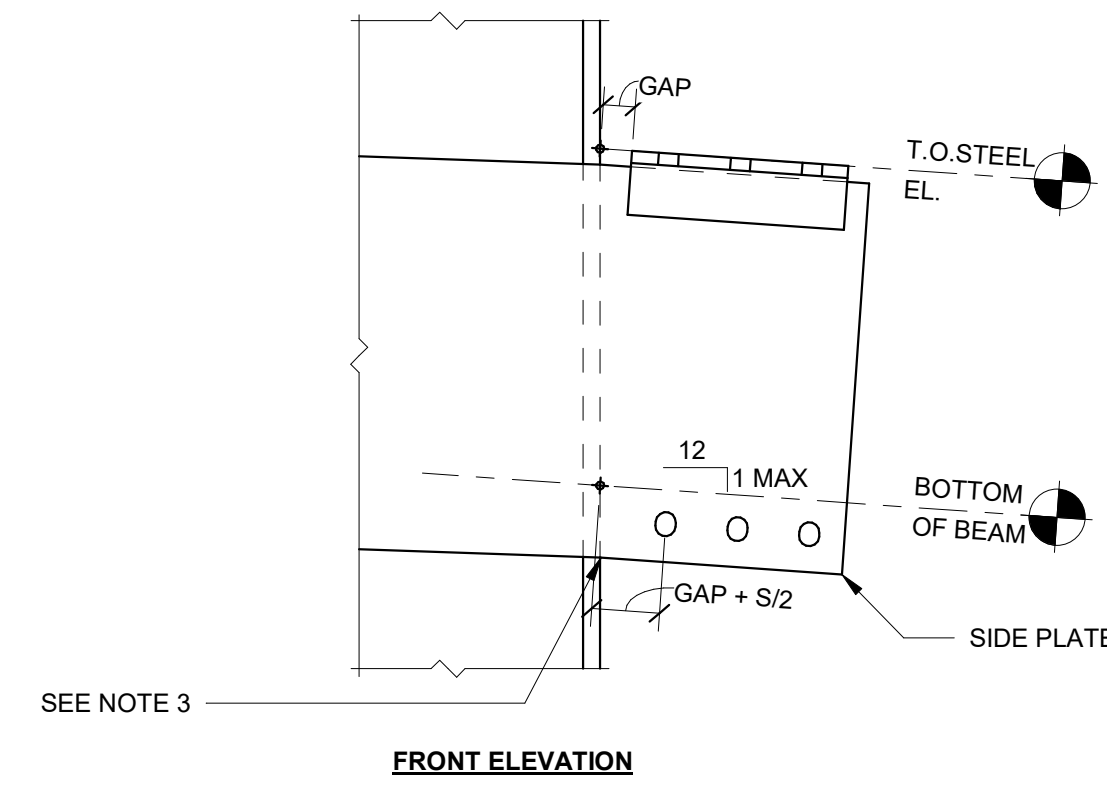
NOTE(S):
1. FOR BEAM SLOPES > 1" PER FOOT, CONTACT SIDEPLATE SYSTEMS, INC.
2. COORDINATE PLATES, ANGLES, AND DIMENSIONS WITH RESPECT TO THE SLOPE OF THE CONNECTION.
3. BEGIN SLOPE OF SIDE PLATE AT OUTSIDE FACE OF COLUMN FLANGE, TYPICAL. NOTE THAT SLOPE OF SIDE PLATE WITHIN THE COLUMN EXTENTS MAY NOT MATCH SLOPE OF BEAM.

8 SLOPED UP CONNECTION (AS APPLICABLE)
N.T.S.



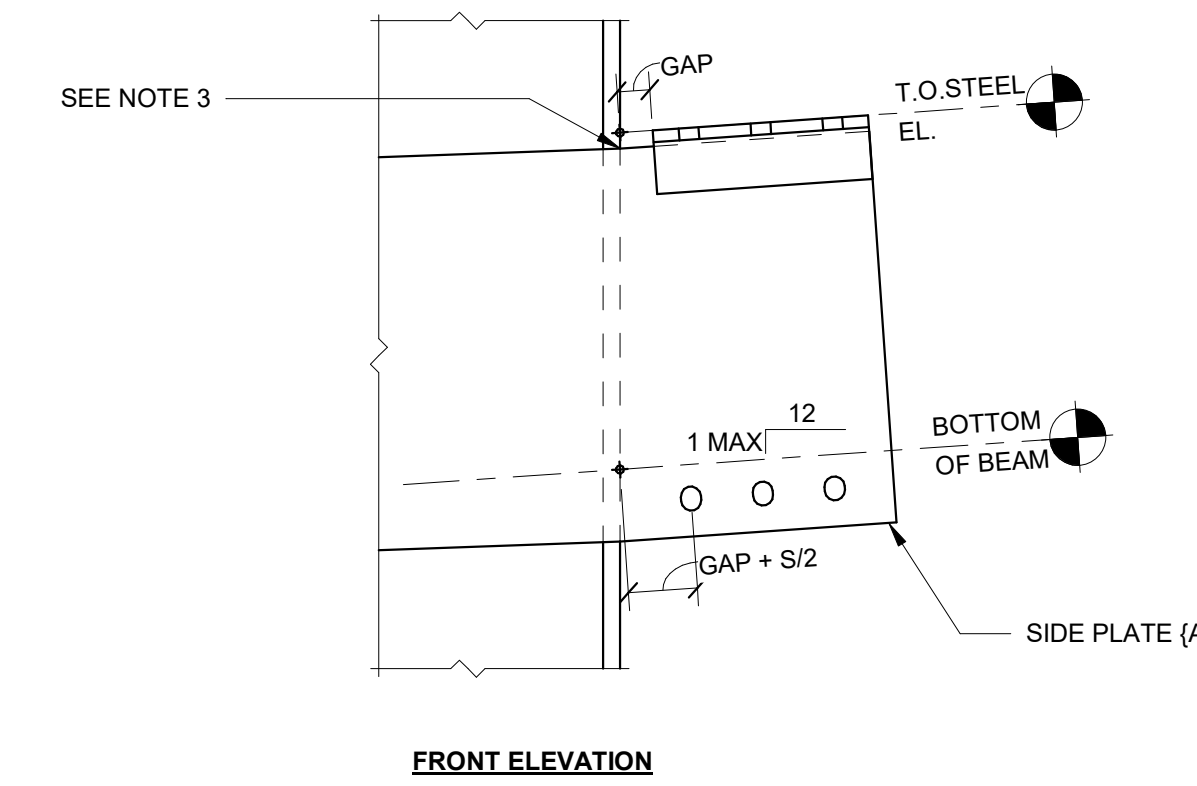
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NOTE(S):
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4 SLOPED DOWN CONNECTION (AS APPLICABLE)
N.T.S.

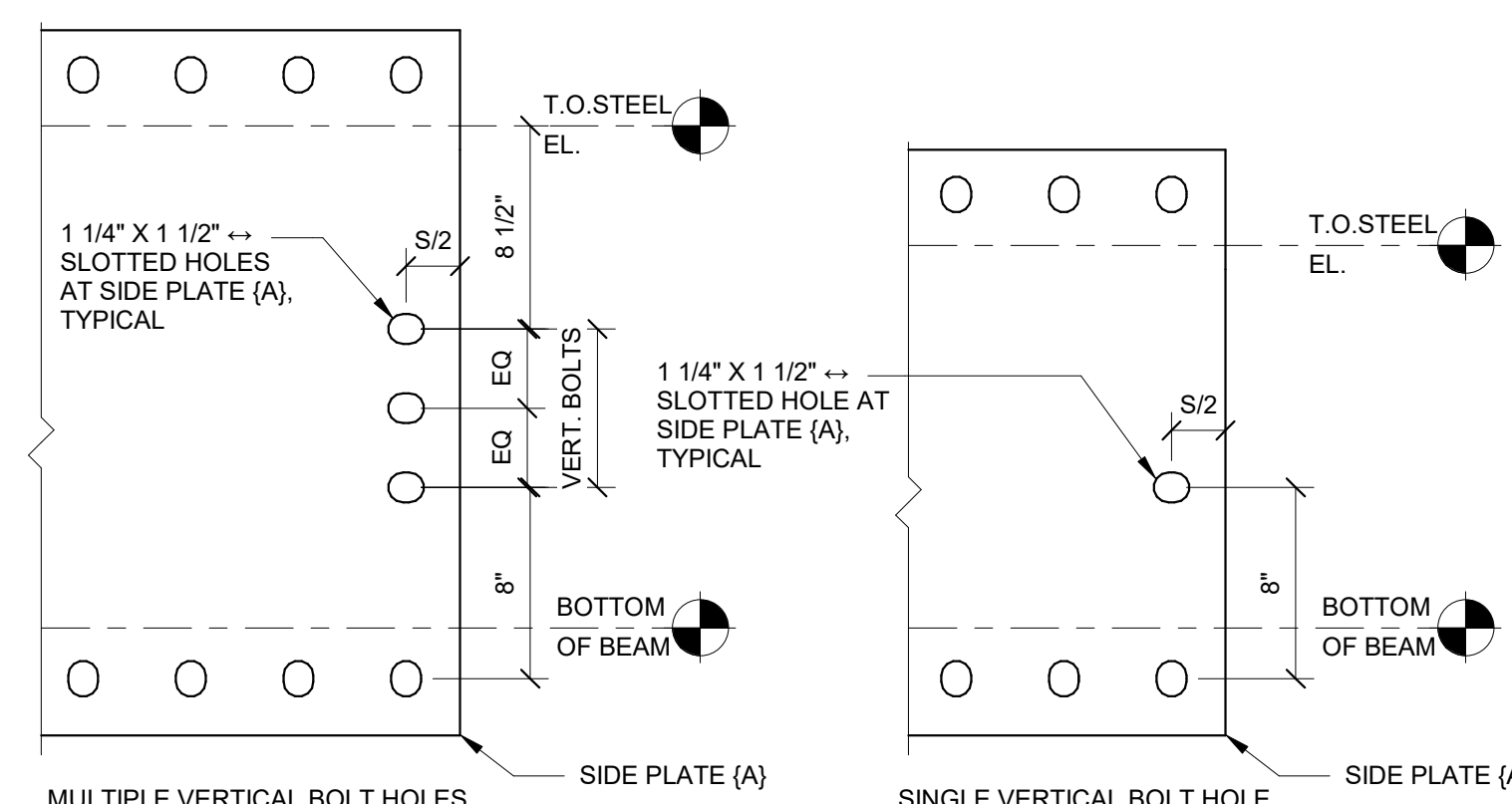


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3. BEGIN SLOPE OF SIDE PLATE AT OUTSIDE FACE OF COLUMN FLANGE, TYPICAL. NOTE THAT SLOPE OF SIDE PLATE WITHIN THE COLUMN EXTENTS MAY NOT MATCH SLOPE OF BEAM.

3 SLOPED UP CONNECTION (AS APPLICABLE)
N.T.S.

ID	COLUMN PANEL ZONE DESIGN (INCHES)				SIDE PLATE (A) EXTENSION DESIGN (INCHES)								
	SERIES	WELD SIZE	BEAM SHAPE	GAP	PLATE (A)			DIAMETER	HORIZONTAL #	VERTICAL #	G	S	
					THICKNESS	B	E						Y
B15	W24x	7/16	W24X98	2	3/4	31 3/4	1 3/8	2 1/8	1 1/8	4	2	2 1/8	4 1/2
B25	W24x	3/8	W24X76	2	5/8	31 7/8	1 3/8	2 1/2	1 1/8	4	2	2 1/8	4 1/2
B35	W24x	7/16	W33X141	2	3/4	41 1/4	1 3/8	3 1/8	1 1/8	5	3	2 1/8	4 1/2
B45	W24x	7/16	W36X180	2	3/4	44	1 3/8	4 3/8	1 1/8	6	3	2 1/8	4 1/2

6 B TYPE NARROW COLUMN CONNECTION SCHEDULE
N.T.S.

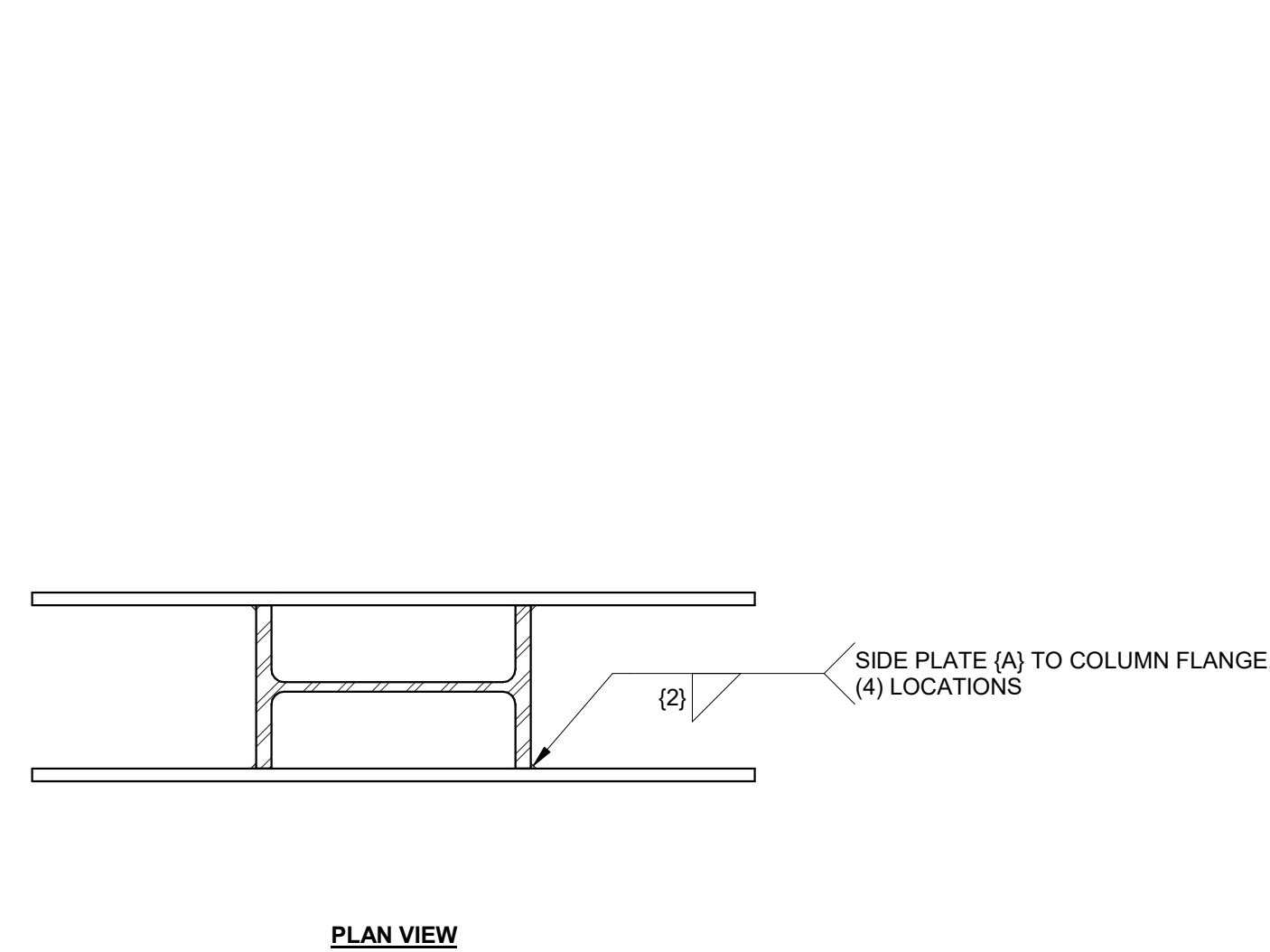


NOTE(S):
1. SEE COLUMN SCHEDULE FOR BOLT QUANTITY.

7 SIDE PLATE (A) VSE BOLT HOLE DETAIL
N.T.S.

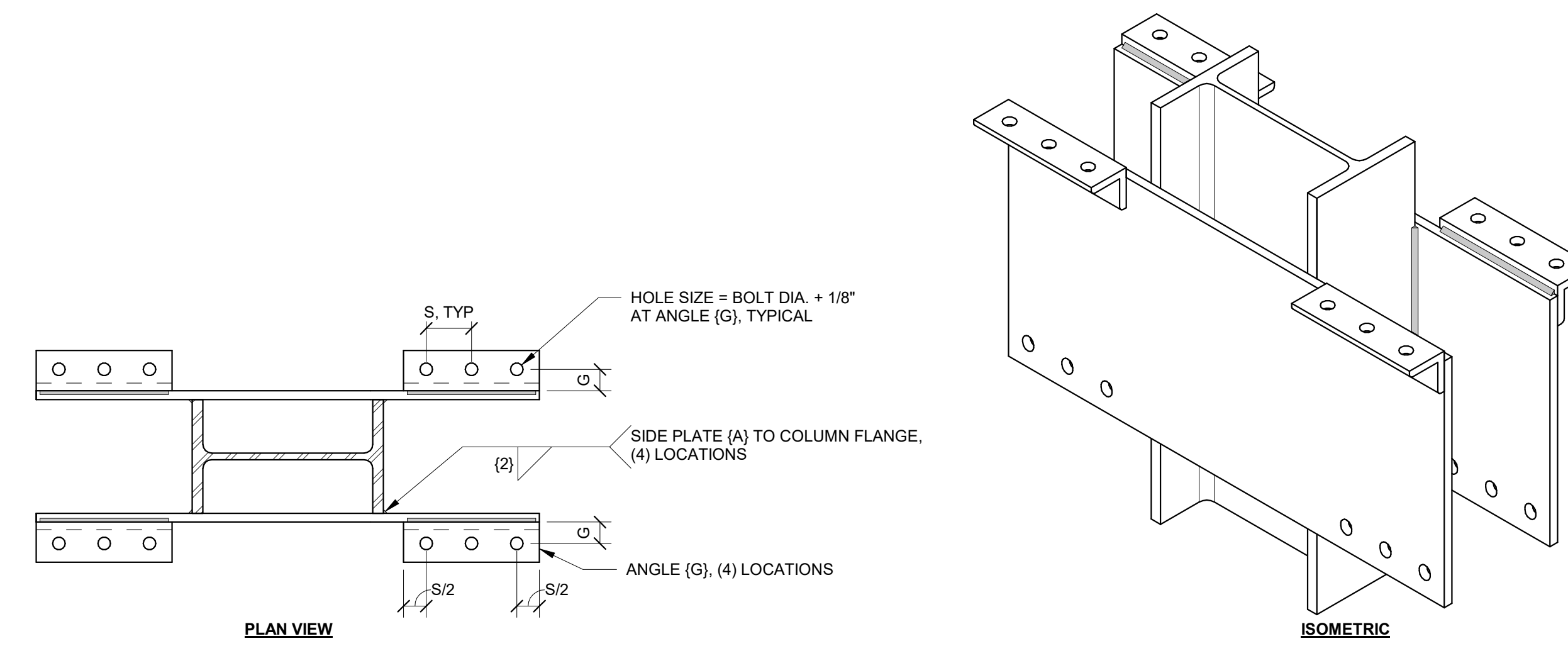
ID	COLUMN PANEL ZONE DESIGN (INCHES)				SIDE PLATE (A) EXTENSION DESIGN (INCHES)										
	SERIES	WELD SIZE	BEAM SHAPE	GAP	PLATE (A)			ANGLE (G)			WELD SIZE	DIAMETER	HORIZONTAL #	G	S
					THICKNESS	B	Y	SUGGESTED SIZE	HORIZONTAL LEG	VERTICAL LEG					
B10	W24x	3/8	W24X68	2	5/8	27 1/4	2 1/2	L5X3-1/2X5/8	3-1/2 to 6	4 to 6	5/16	1 1/8	4	2 1/8	4 1/2
B20, B29	W24x	3/8	W24X76	2	5/8	27 3/8	2 1/2	L5X3-1/2X5/8	3-1/2 to 6	4 to 6	5/16	1 1/8	4	2 1/8	4 1/2
B40	W24x	7/16	W36X160	2	3/4	39 1/2	4 3/8	L5X3-1/2X5/8	3-1/2 to 6	4 to 6	5/16	1 1/8	6	2 1/8	4 1/2

5 B TYPE COLUMN CONNECTION SCHEDULE
N.T.S.



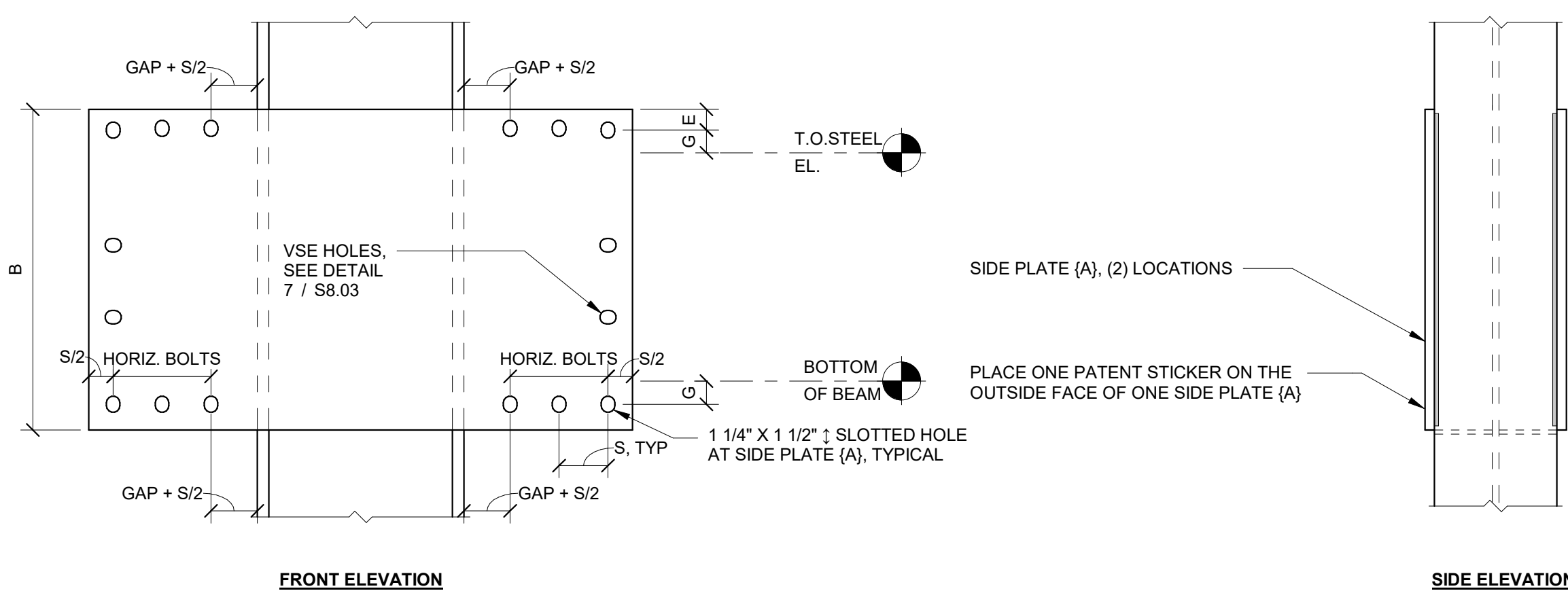
PLAN VIEW

ISOMETRIC



PLAN VIEW

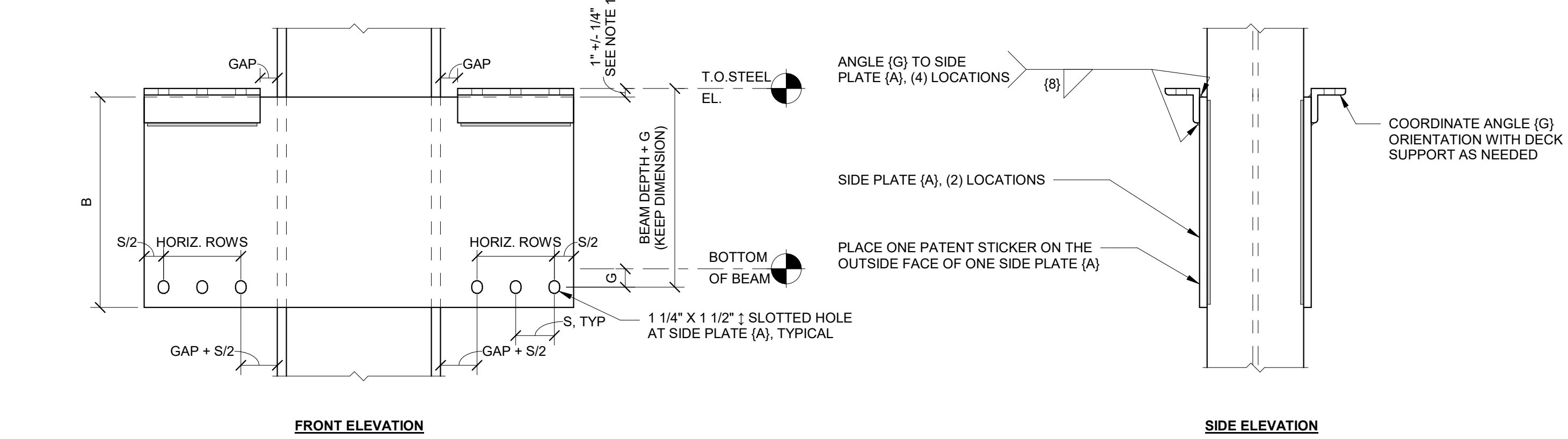
ISOMETRIC



FRONT ELEVATION

SIDE ELEVATION

5 B TYPE NARROW BOLTED CONNECTION
N.T.S.

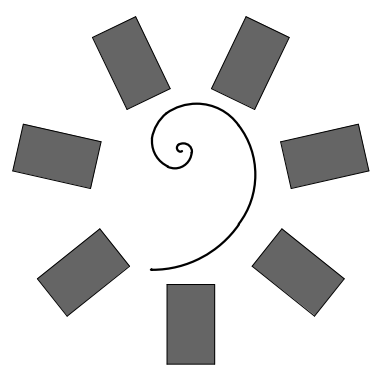


FRONT ELEVATION

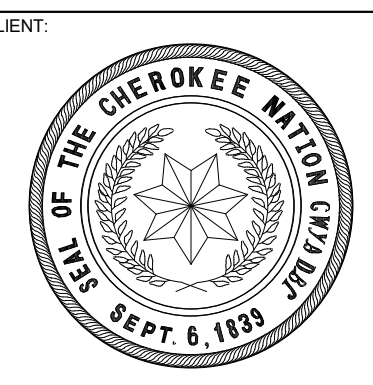
SIDE ELEVATION

NOTE(S):
1. THE +/- 1/4 INCH TOLERANCE FOR PLACEMENT OF ANGLES (G) IS TO ENSURE CORRECT TOP OF STEEL PLACEMENT RELATIVE TO THE CENTERLINE OF THE BOTTOM HORIZONTAL ROW OF BOLT HOLES. THE PLACEMENT OF ANGLES (G) SHALL NEVER BE MEASURED FROM THE BOTTOM EDGE OF SIDE PLATE (A) TO ESTABLISH THE CORRECT TOP OF STEEL.

1 B TYPE BOLTED CONNECTION
N.T.S.



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COLLEGE OF
Osteopathic Medicine
AT THE CHEROKEE NATION
TAHLEQUAH, OKLAHOMA

KEY PLAN

PROJECT PHASE
BID PACKAGE 04

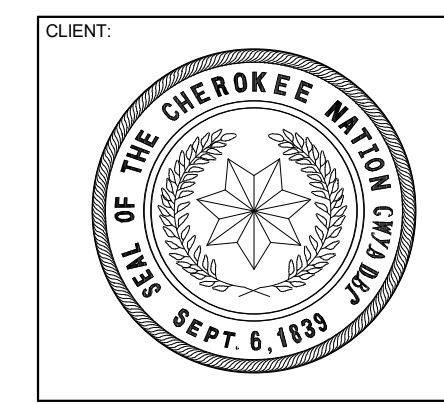
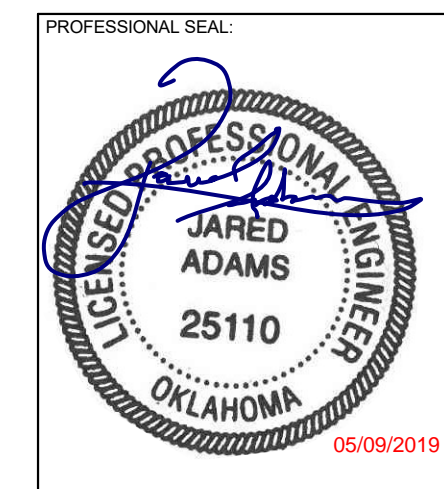
#	DATE	REVISIONS	DESCRIPTION

DATE: 05-10-19
JOB NUMBER: 17-13

SHEET NUMBER:
S8.03

SIDEPLATE COLUMN
DETAILS, B TYPE
NO PLATE D

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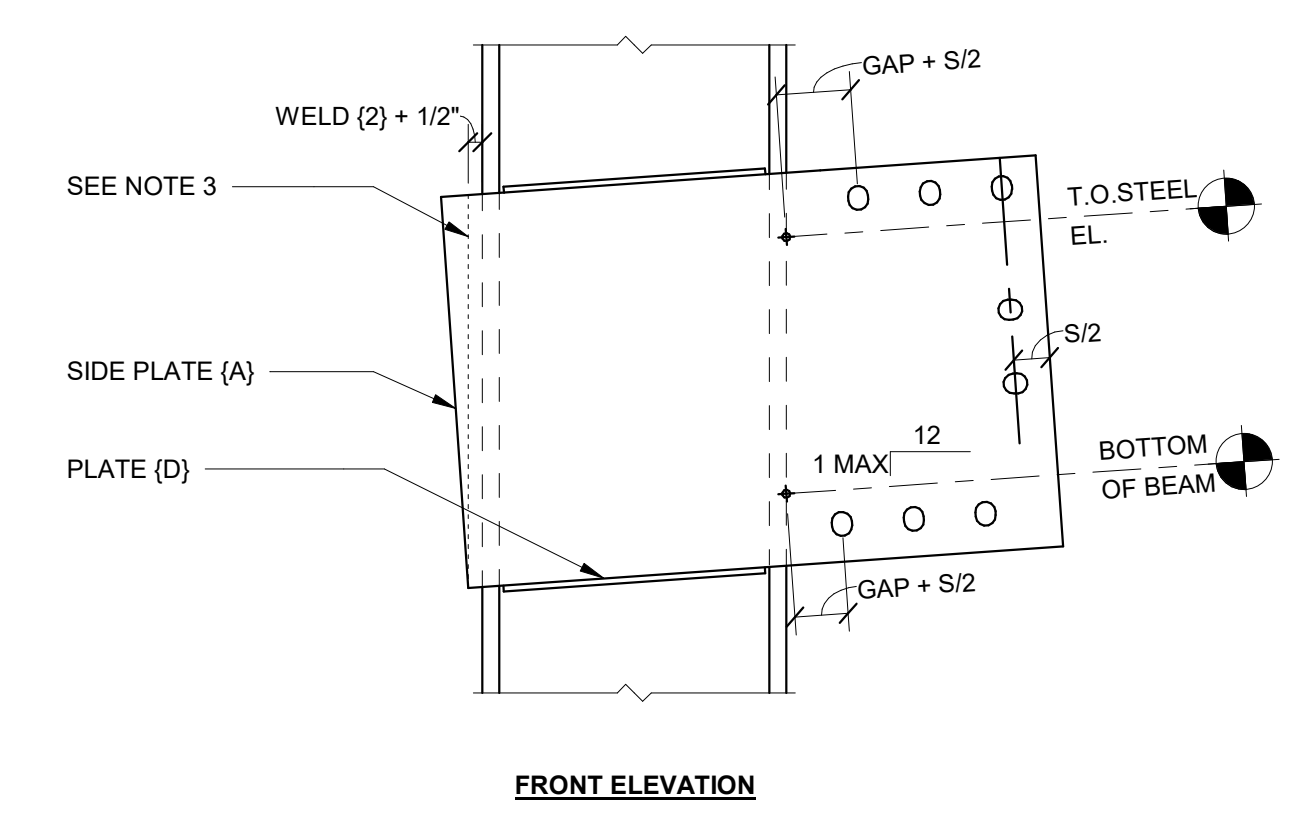
KEY PLAN

PROJECT PHASE
 BID PACKAGE 04

#	DATE	REVISIONS	DESCRIPTION

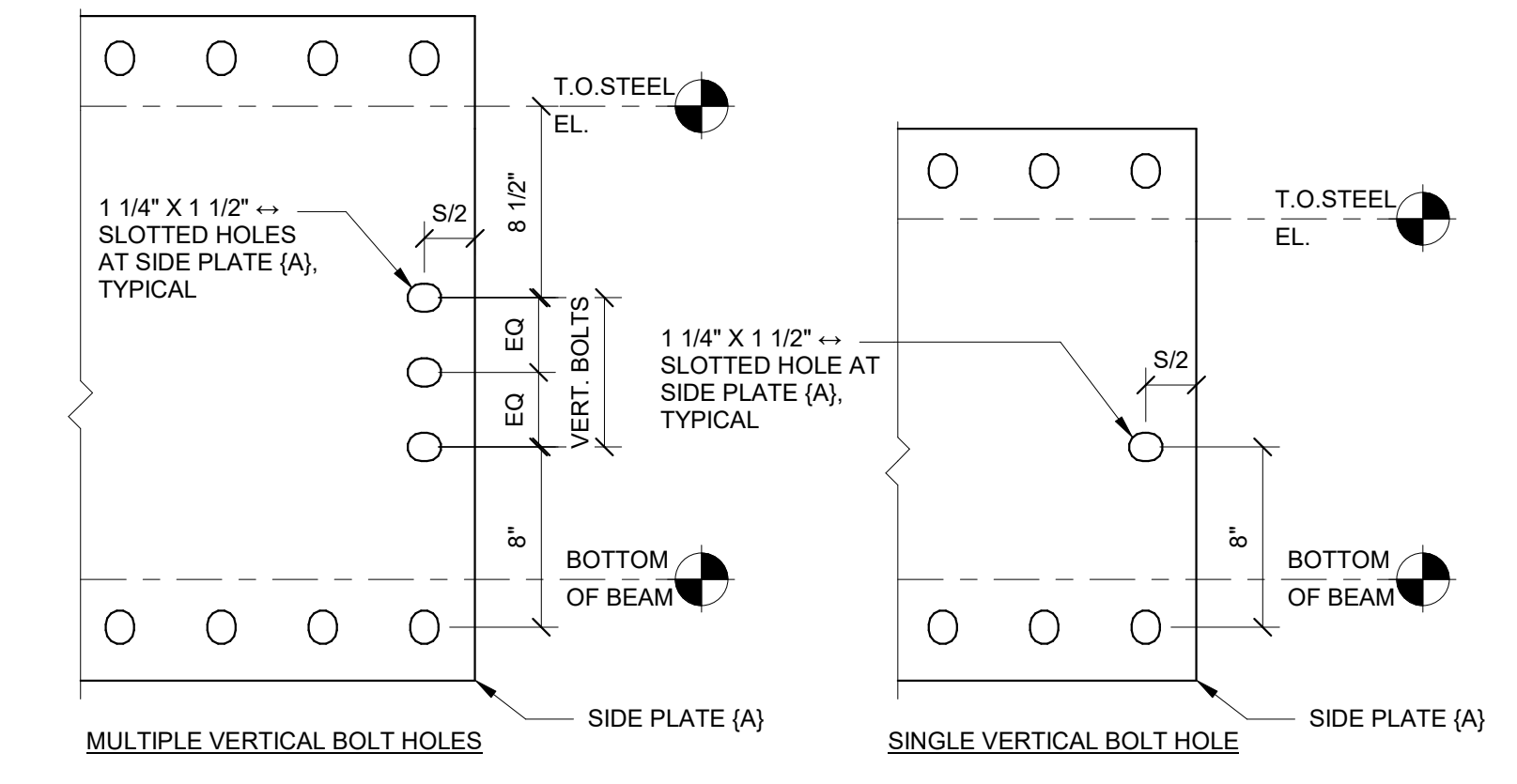
DATE: 05-10-19 JOB NUMBER: 17-13
 SHEET NUMBER: S8.04

SIDEPLATE COLUMN DETAILS, A TYPE



NOTE(S):
 1. FOR BEAM SLOPES > 1" PER FOOT, CONTACT SIDEPLATE SYSTEMS, INC.
 2. COORDINATE PLATES, ANGLES, AND DIMENSIONS WITH RESPECT TO THE SLOPE OF THE CONNECTION.
 3. AT CONTRACTOR'S DISCRETION, SIDE PLATE (A) MAY BE CUT AS SHOWN.

4 SLOPED UP CONNECTION (AS APPLICABLE)
 N.T.S.

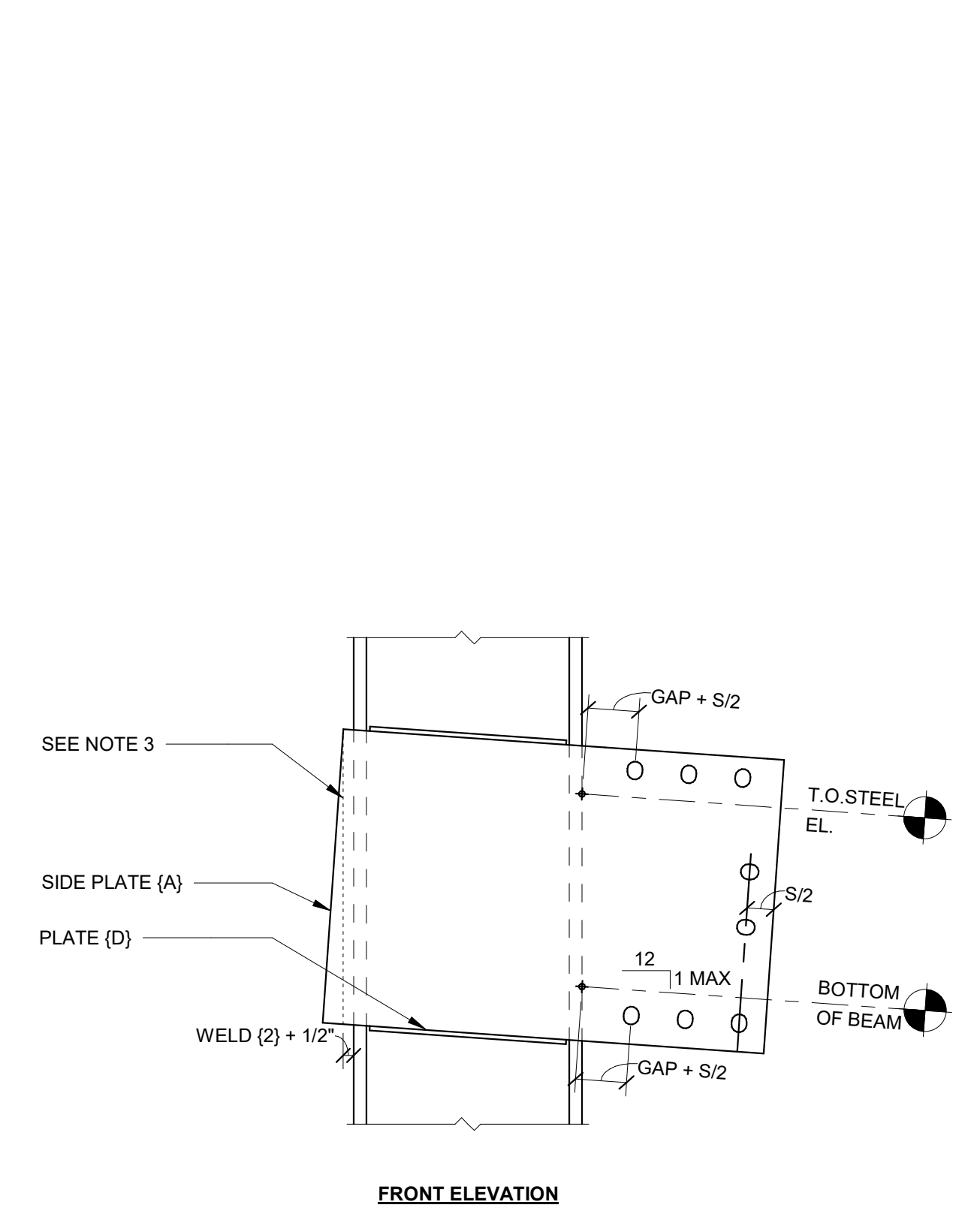


NOTE(S):
 1. SEE COLUMN SCHEDULE FOR BOLT QUANTITY.

3 SIDE PLATE (A) VSE BOLT HOLE DETAIL
 N.T.S.

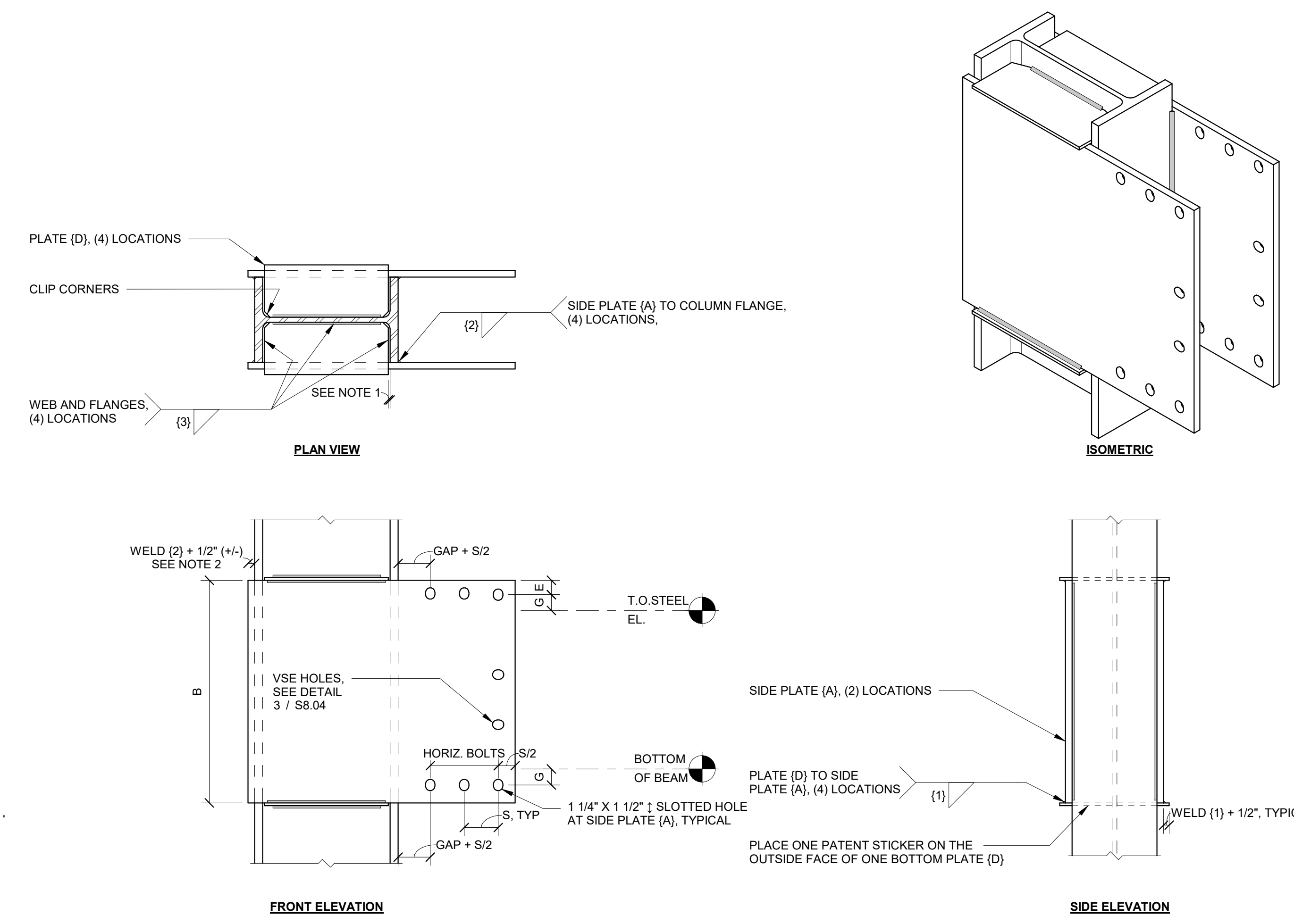
ID	COLUMN PANEL ZONE DESIGN (INCHES)				SIDE PLATE (A) EXTENSION DESIGN (INCHES)																	
	COLUMN PLATE	WELD			BEAM	PLATE (A)				BOLT			G	S								
	(D)	(1)	(2)	(3)	SHAPE	GAP	THICKNESS	B	E	Y	DIAMETER	HORIZONTAL #			VERTICAL #							
A115	W24x	3/8	1/4	3/8	1/4	W24X68	2	5/8	31	3/4	1	3/8	2	1/2	1	1/8	4	2	2	1/8	4	1/2

2 A TYPE NARROW COLUMN CONNECTION SCHEDULE
 N.T.S.



NOTE(S):
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 3. AT CONTRACTOR'S DISCRETION, SIDE PLATE (A) MAY BE CUT AS SHOWN.

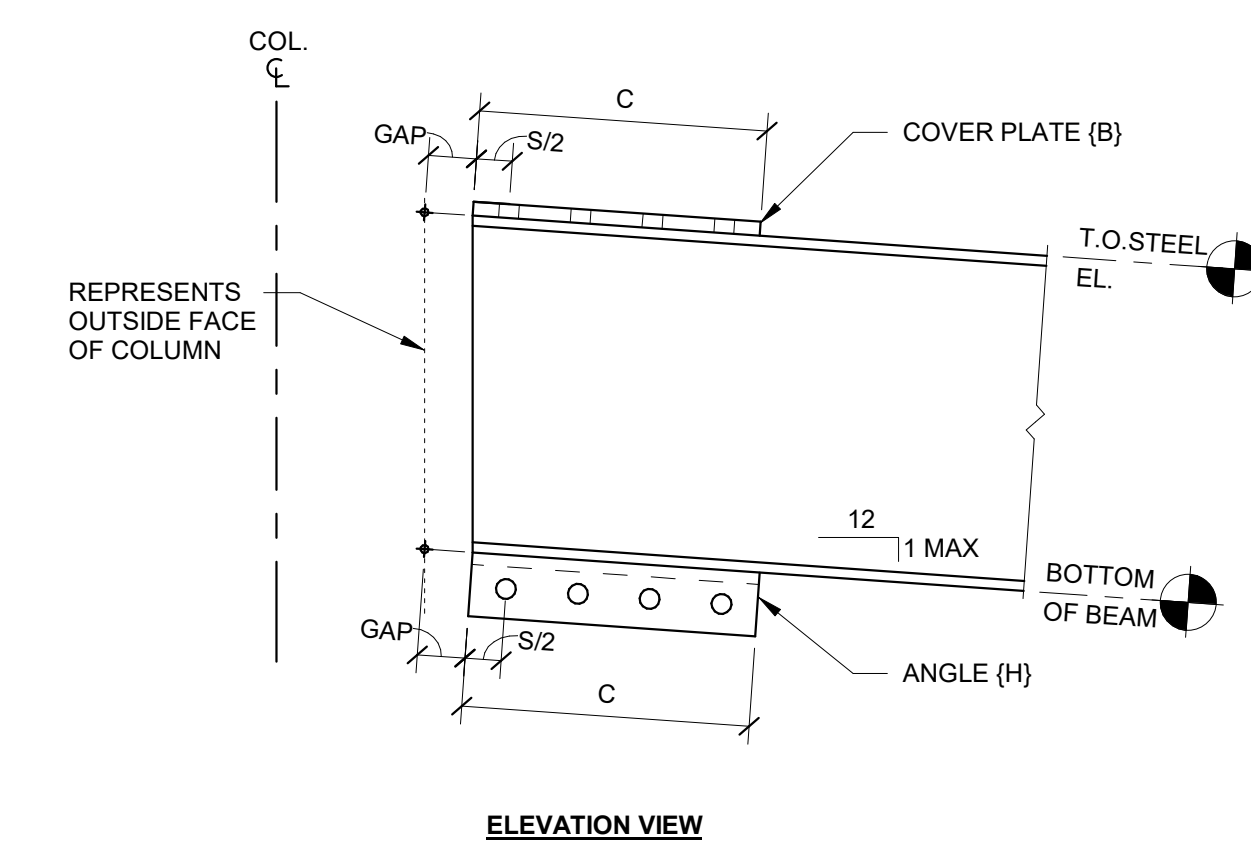
5 SLOPED DOWN CONNECTION (AS APPLICABLE)
 N.T.S.



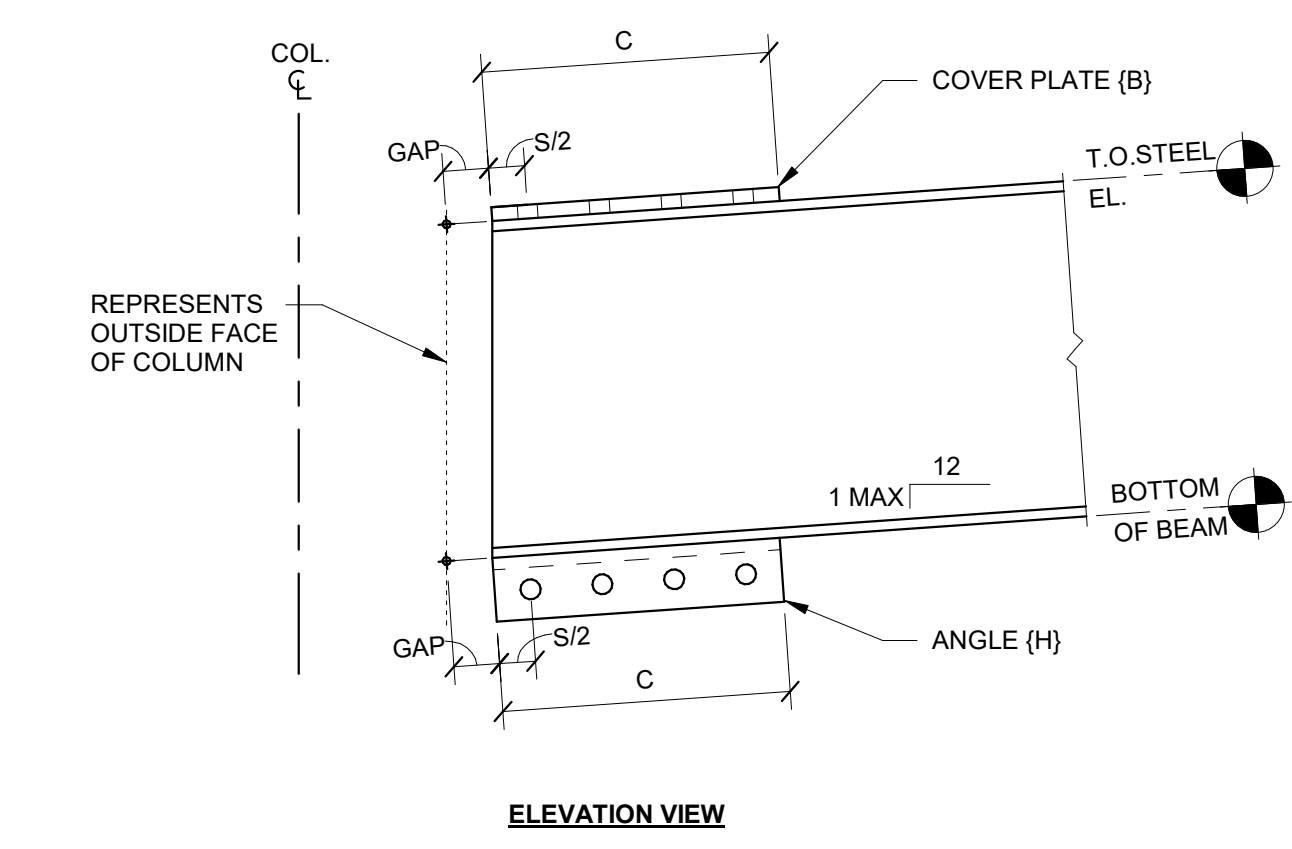
NOTE(S):
 1. DIMENSION BETWEEN PLATE (D) AND INSIDE FACE OF COLUMN FLANGE SHALL NOT EXCEED 1/4 INCH. THIS DIMENSION MAY VARY DEPENDING ON THE DETAILER'S PREFERENCE TO ACCOMMODATE MILL TOLERANCE AND/OR THE UNIFORMITY OF PIECE MARKS.
 2. THE 1/2 INCH OVERHANG ON THE SIDE PLATE (A) IS TO ENSURE SUFFICIENT ROOM FOR WELD (2), THE +/- TOLERANCE IS APPLIED SO THAT IF DESIRED, THE DETAILER CAN MAKE THE SIDE PLATES (A) THE SAME LENGTH WITH SLIGHTLY VARYING COLUMN DEPTHS WITHIN A GROUP OF THE SAME CONNECTION IDS.

1 A TYPE NARROW BOLTED CONNECTION
 N.T.S.

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NOTE(S):
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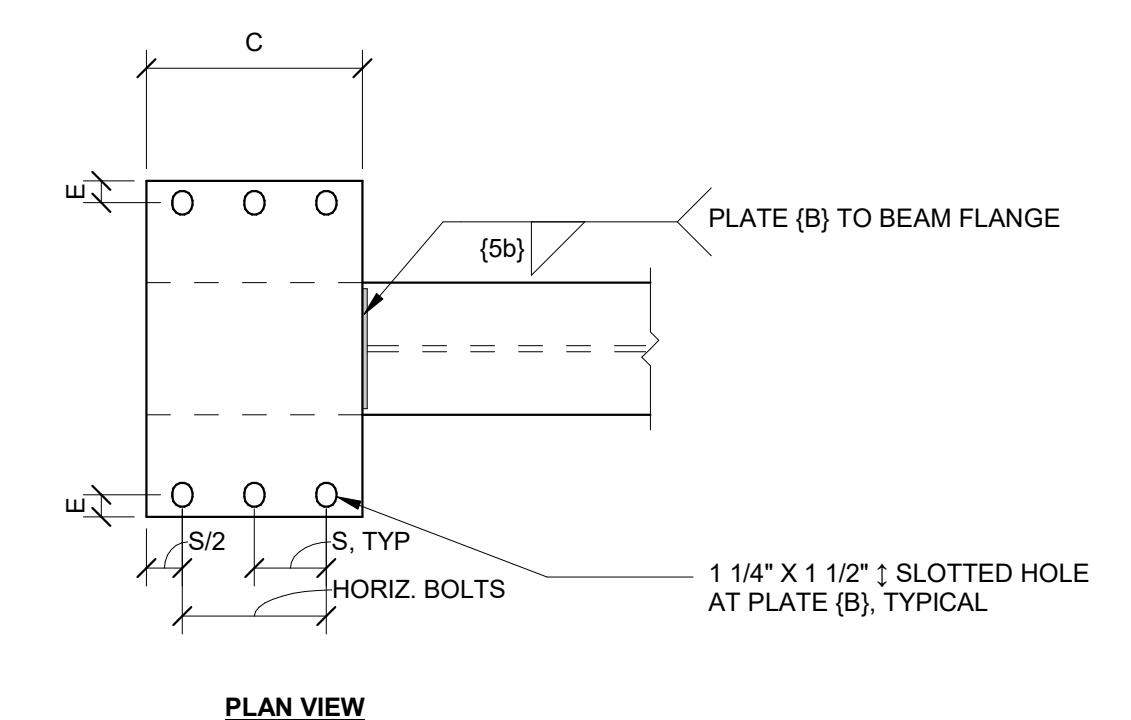
NOTE(S):
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4 SLOPED DOWN BEAM END (AS APPLICABLE)
 N.T.S.

3 SLOPED UP BEAM END (AS APPLICABLE)
 N.T.S.

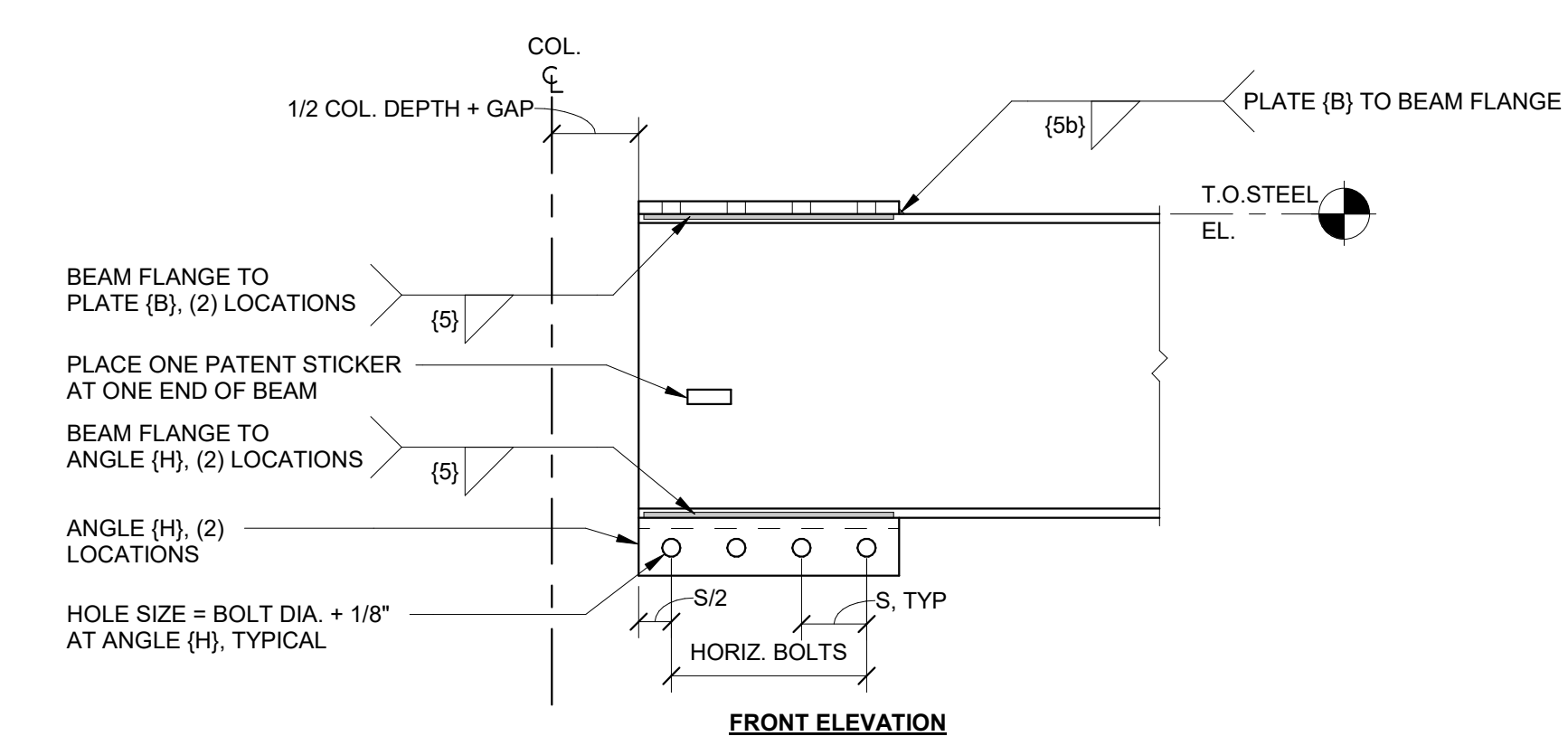
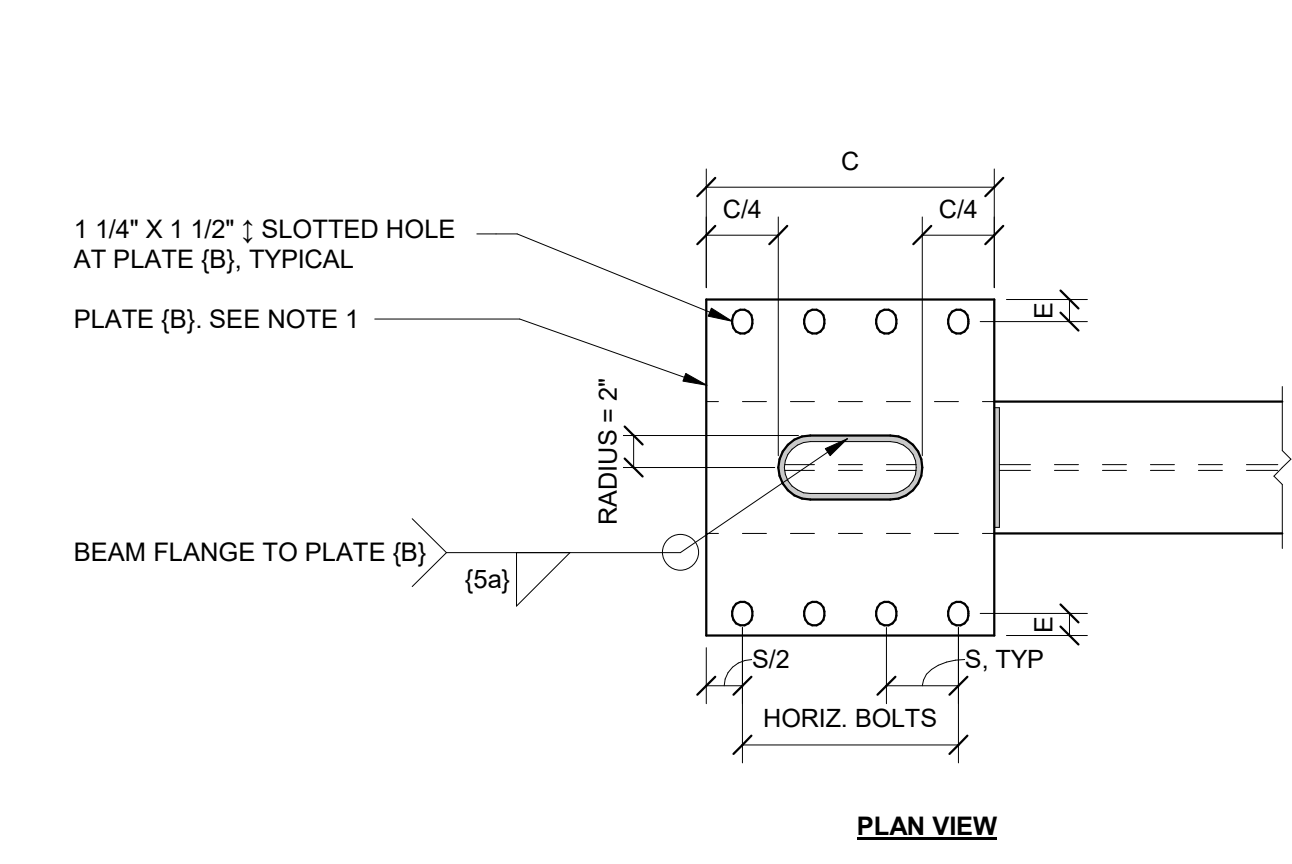
ID	BEAM DESIGN (INCHES)																
	BEAM		PLATE				ANGLE			WELD			BOLT				
	SHAPE	GAP	COVER PLATE TYPE	THICKNESS	E	H	SUGGESTED SIZE	C	HORIZONTAL LEG	VERTICAL LEG	SIZE	SIZE	SIZE	DIAMETER	HORIZONTAL #	G	S
A10	W24X68	2	Slotted	7/8	1 3/8	8 1/4	L5X3-1/2X5/8	18	5	3 1/2	5/16	5/16	5/16	1 1/8	4	2 1/8	4 1/2
A20, B20	W24X76	2	Slotted	3/4	1 3/8	8 1/4	L5X3-1/2X5/8	18	5	3 1/2	5/16	5/16	5/16	1 1/8	4	2 1/8	4 1/2
A29	W24X76	2	Slotted	1 3/8	1 3/8	8 1/4	L5X3-1/2X5/8	18	5	3 1/2	5/16	5/16	5/16	1 1/8	4	2 1/8	4 1/2
A40, B40	W36X160	2	Slotted	3/4	1 3/8	8 1/2	L5X3-1/2X5/8	27	5	3 1/2	5/16	5/16	5/16	1 1/8	6	2 1/8	4 1/2
B10	W24X68	2	Slotted	1	1 3/8	8 1/4	L5X3-1/2X5/8	18	5	3 1/2	5/16	5/16	5/16	1 1/8	4	2 1/8	4 1/2
B29	W24X76	2	Slotted	1	1 3/8	8 1/4	L5X3-1/2X5/8	18	5	3 1/2	5/16	5/16	5/16	1 1/8	4	2 1/8	4 1/2

2 BEAM END SCHEDULE
 N.T.S.



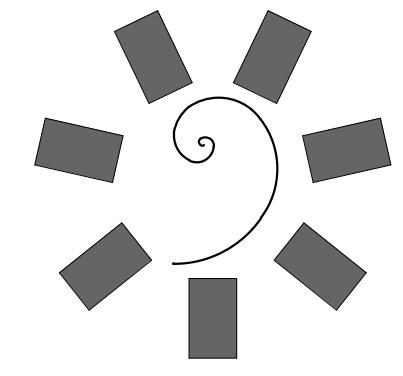
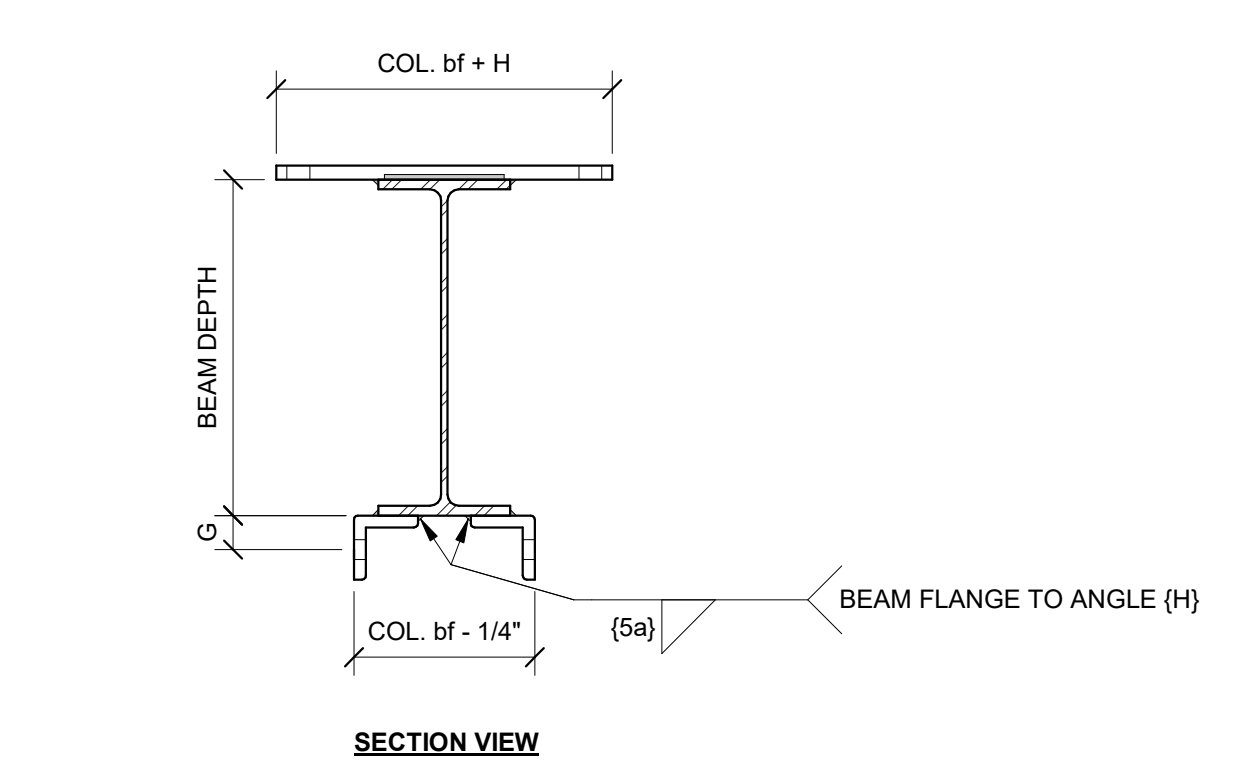
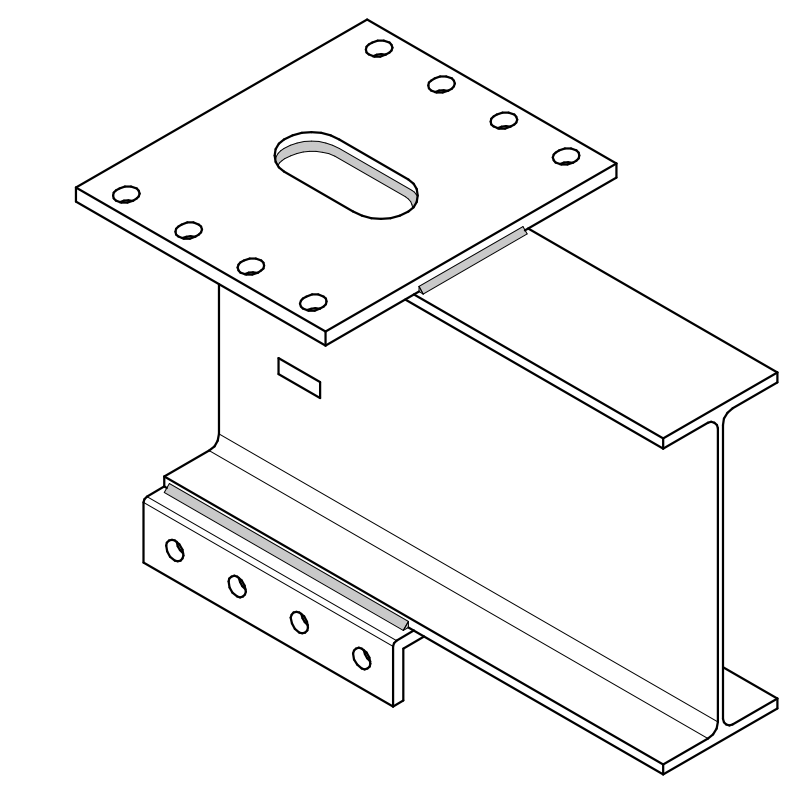
NOTE(S):
 1. FOR ITEMS NOT NOTED, SEE DETAIL 1 / S8.05

5 RECTANGULAR COVER PLATE {B}
 N.T.S.



NOTE(S):
 1. USE SLOTTED OR RECTANGULAR COVER PLATE (B) PER SCHEDULE. FOR RECTANGULAR COVER PLATE, SEE DETAIL 5 / S8.05

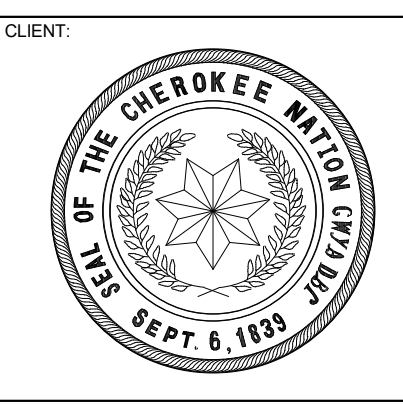
1 BEAM END DETAIL
 N.T.S.



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KEY PLAN

PROJECT PHASE
 BID PACKAGE 04

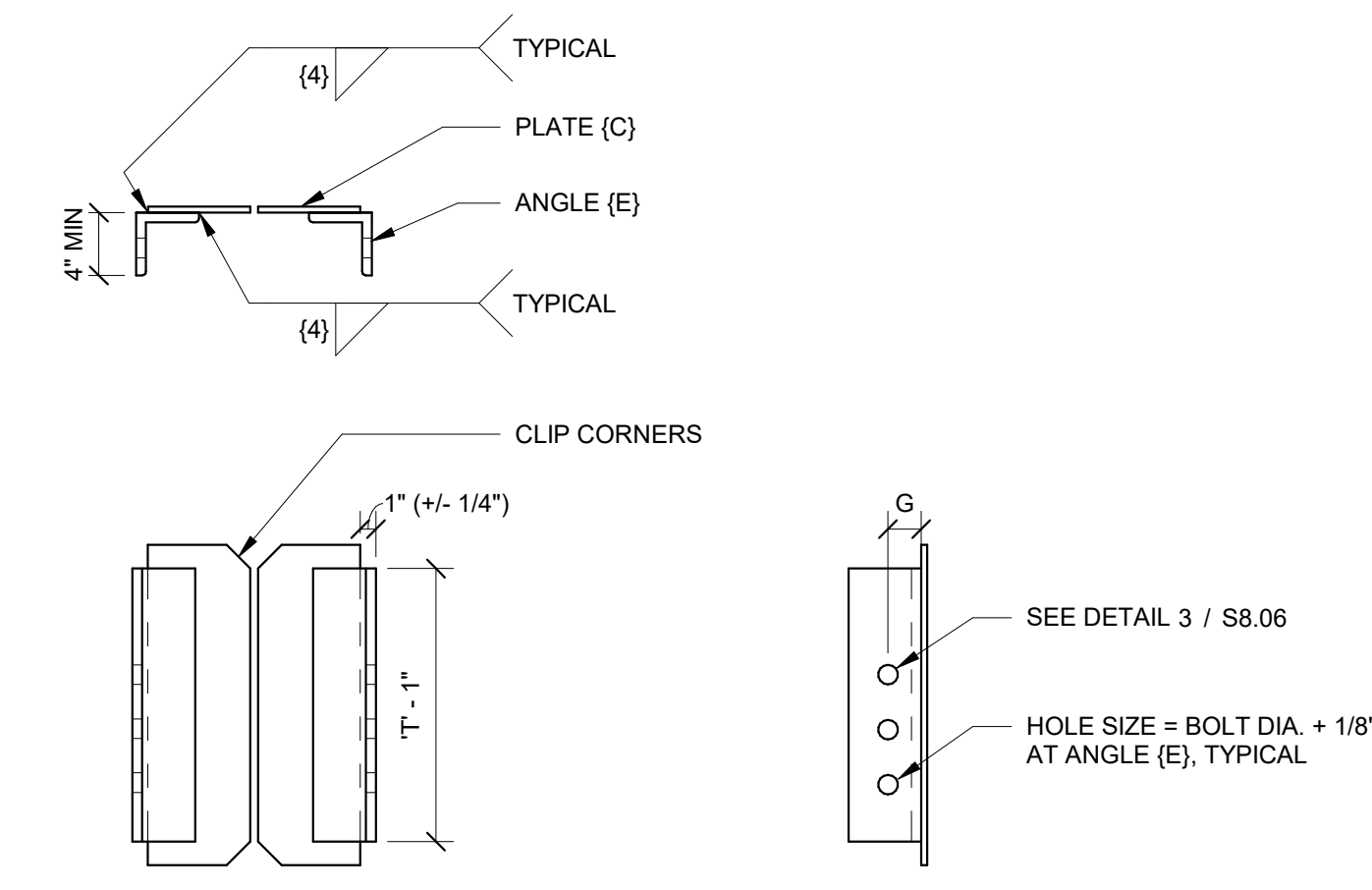
#	DATE	REVISIONS DESCRIPTION

DATE: 05-10-19 JOB NUMBER: 17-13

SHEET NUMBER: S8.05

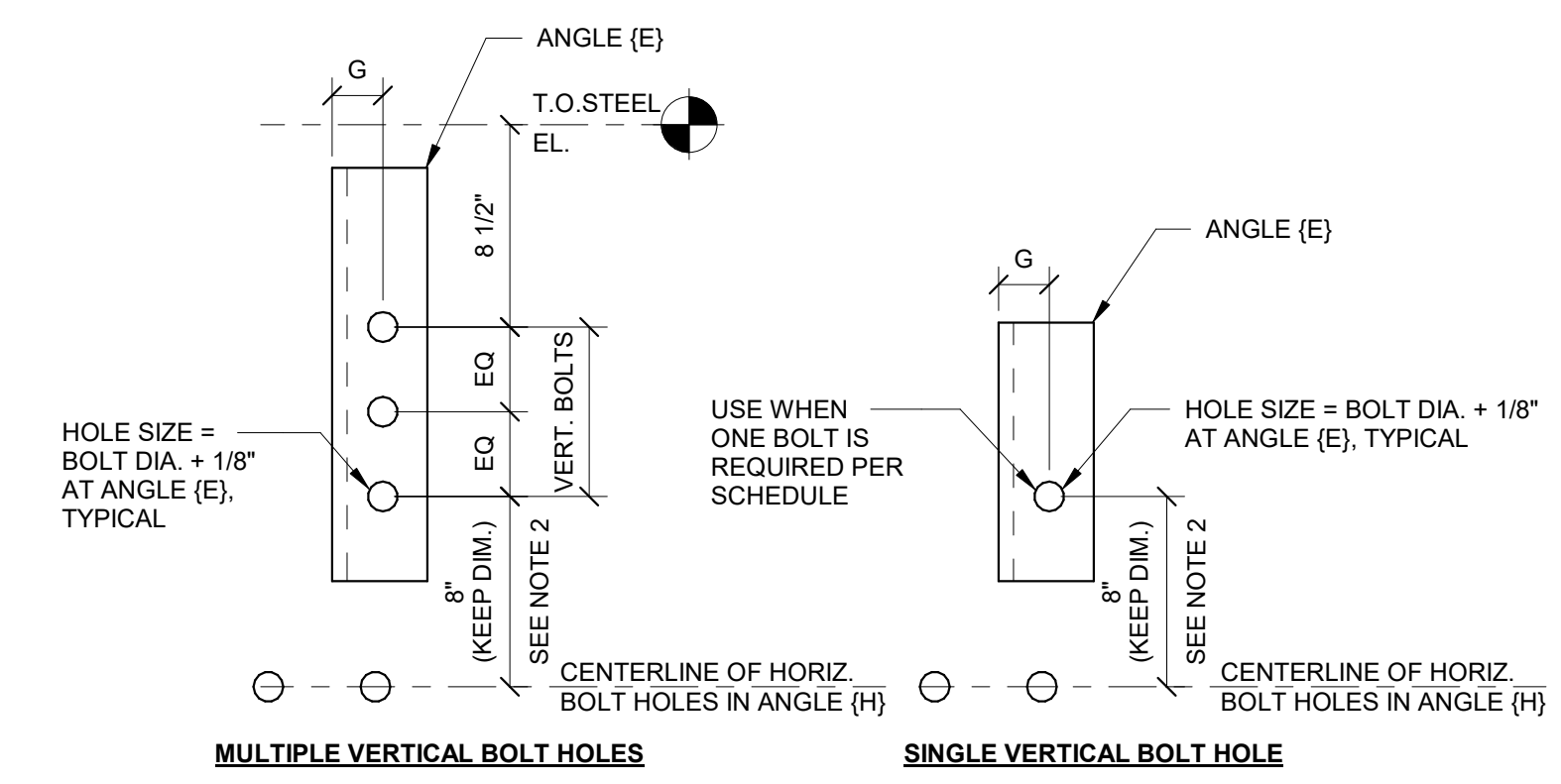
SIDEPLATE BEAM DETAILS

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 v19.06.00 2/26/2019



NOTE(S):
 1. SEE SIDEPLATE SCHEDULE FOR BOLT QUANTITY.

4 VSE {F} DETAIL
 N.T.S.

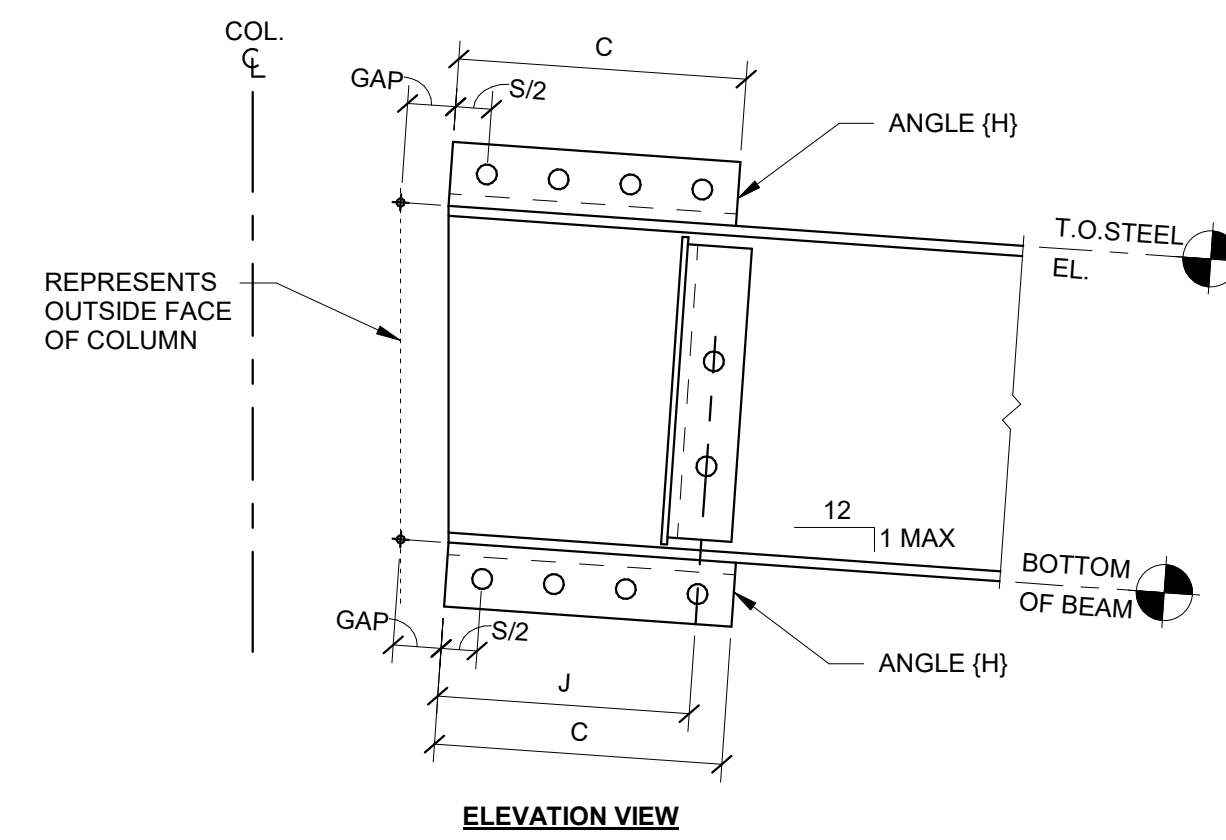


NOTE(S):
 1. SEE BEAM END SCHEDULE FOR BOLT QUANTITY.
 2. EFFECTS OF MILL AND FABRICATION TOLERANCES ARE ACCOUNTED FOR BY MEASURING FROM THE CENTERLINE OF THE HORIZONTAL ROW OF BOLTS IN THE BOTTOM ANGLES (H).

3 VSE {F} HOLE DETAIL
 N.T.S.

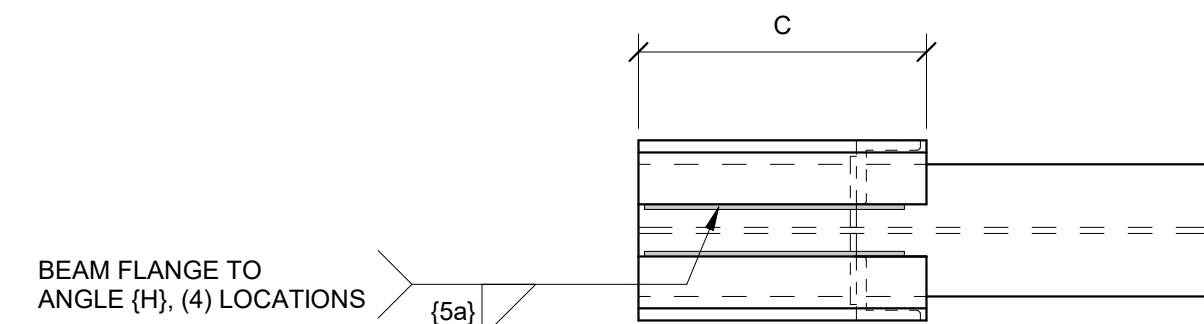
ID	BEAM DESIGN (INCHES)																
	BEAM		PLATE			ANGLE			WELD				BOLT				
	SHAPE	GAP	THICKNESS	SUGGESTED SIZE	C	HORIZONTAL LEG	VERTICAL LEG	SIZE	(E)	(4)	(5)	(5a)	DIAMETER	HORIZONTAL #	VERTICAL #	G	J
A15, A115, B15	W24X68	2	3/8	L5X3-1/2X5/8	18	5	3 1/2	L4X4X1/2	1/4	5/16	5/16	1 1/8	4	2	2 1/8	15 3/4	4 1/2
A25, B25	W24X76	2	3/8	L5X3-1/2X5/8	18	5	3 1/2	L4X4X1/2	1/4	5/16	5/16	1 1/8	4	2	2 1/8	15 3/4	4 1/2
A35, B35	W33X141	2	3/8	L5X3-1/2X5/8	22 1/2	5	3 1/2	L4X4X1/2	1/4	5/16	5/16	1 1/8	5	3	2 1/8	20 1/4	4 1/2
A45, B45	W36X160	2	3/8	L5X3-1/2X5/8	27	5	3 1/2	L4X4X1/2	1/4	5/16	5/16	1 1/8	6	3	2 1/8	24 3/4	4 1/2

2 NARROW BEAM END SCHEDULE
 N.T.S.

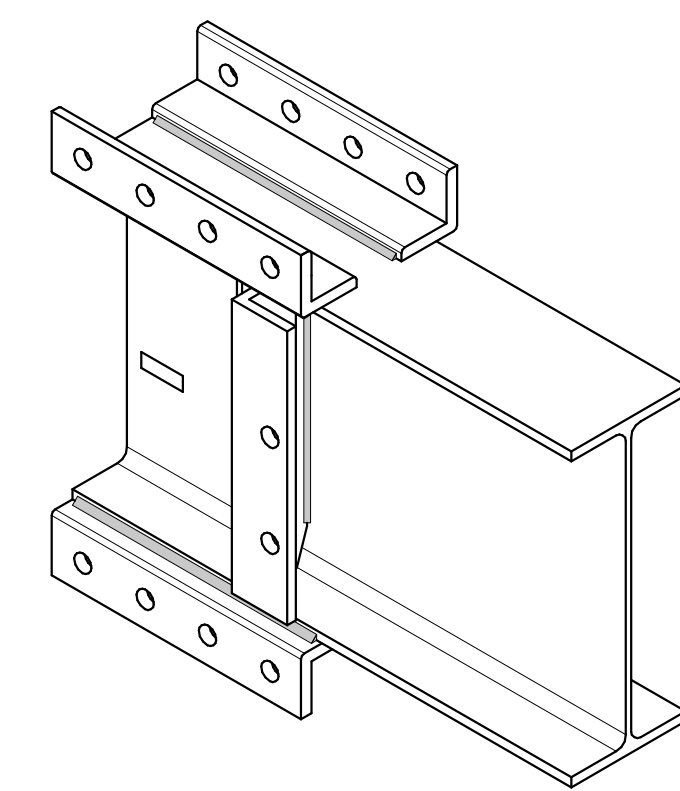


NOTE(S):
 1. FOR BEAM SLOPES > 1" PER FOOT, CONTACT SIDEPLATE SYSTEMS, INC.

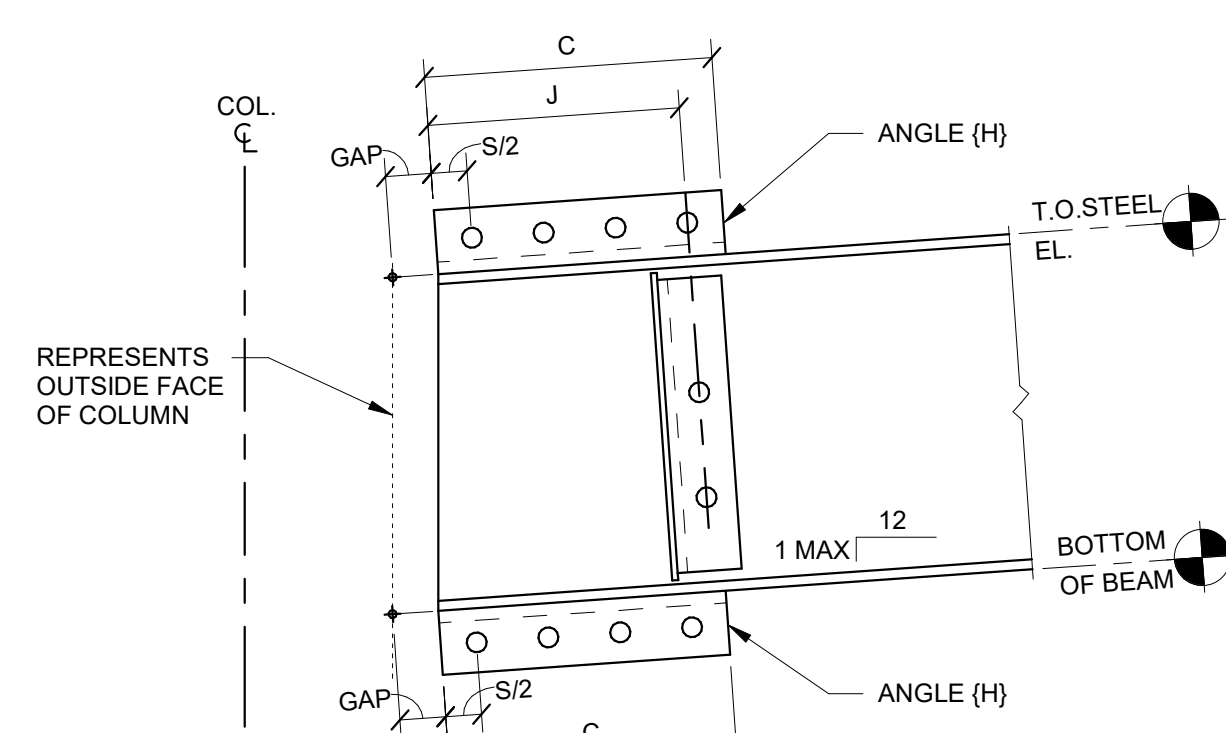
6 SLOPED DOWN BEAM END (AS APPLICABLE)
 N.T.S.



PLAN VIEW

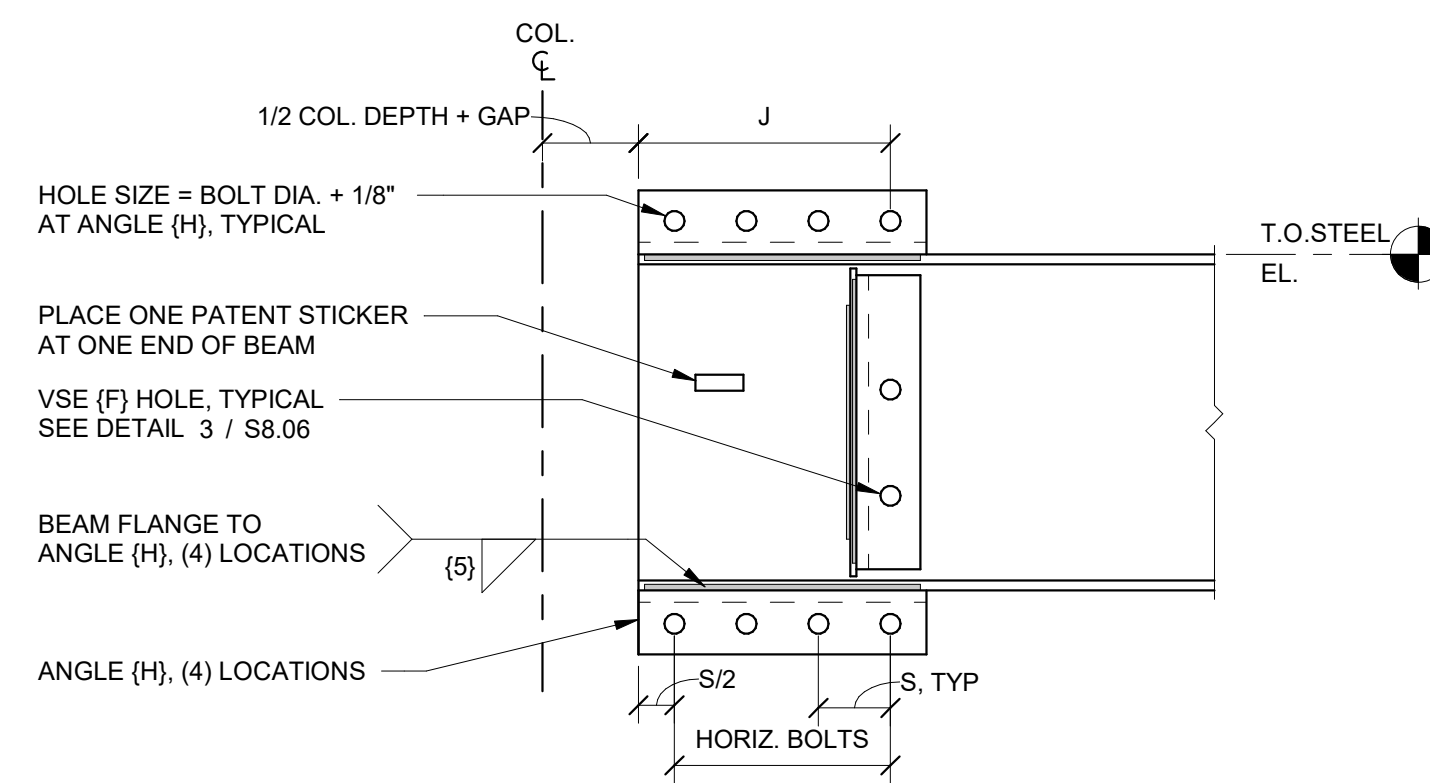


ISOMETRIC VIEW



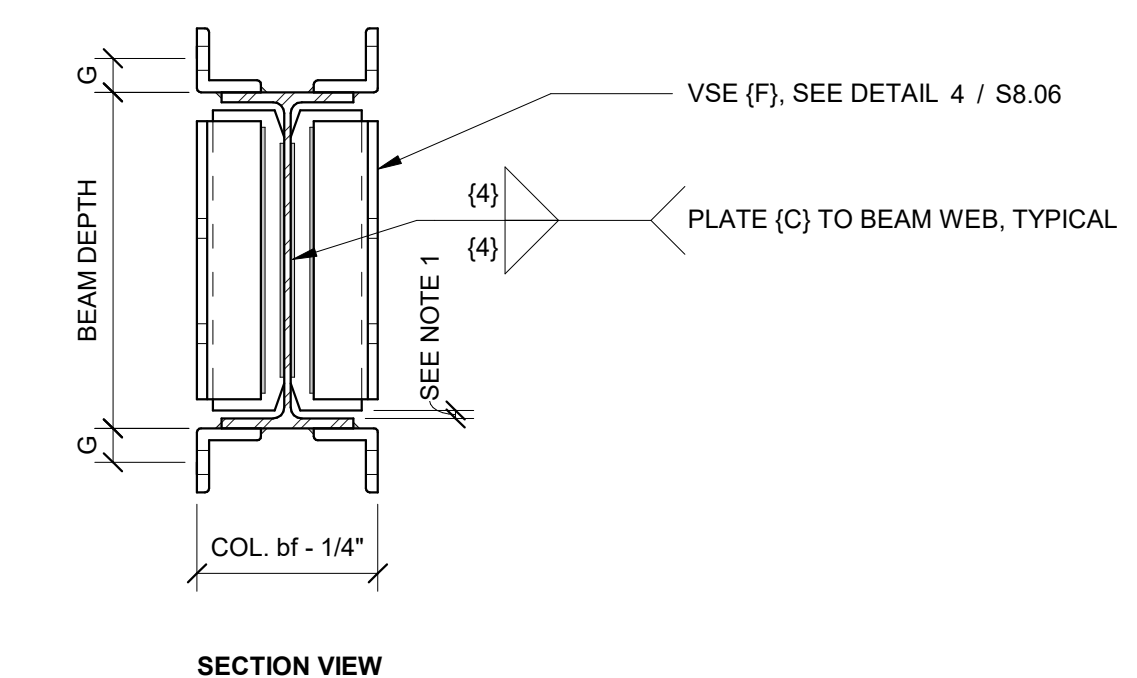
NOTE(S):
 1. FOR BEAM SLOPES > 1" PER FOOT, CONTACT SIDEPLATE SYSTEMS, INC.

5 SLOPED UP BEAM END (AS APPLICABLE)
 N.T.S.

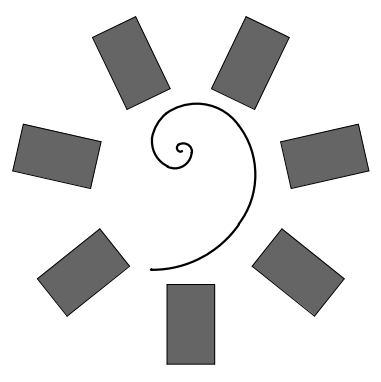


NOTE(S):
 1. DIMENSION BETWEEN PLATE (C) AND INSIDE FACE OF BEAM FLANGE SHALL NOT EXCEED 1/4 INCH, AND MAY VARY DEPENDING ON BEAM MILL TOLERANCES. PLATE (C) SHALL BE CENTERED ON THE DEPTH OF THE BEAM.

1 NARROW BEAM END DETAIL
 N.T.S.



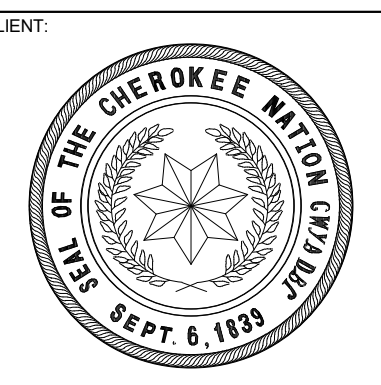
SECTION VIEW



James R. Childers
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 479-783-2450
 www.childersarchitect.com



CONSULTANT LOGO



COLLEGE OF
Osteopathic Medicine
 AT THE CHEROKEE NATION
 TAHLEQUAH, OKLAHOMA

KEY PLAN

PROJECT PHASE:
 BID PACKAGE 04

#	DATE	REVISIONS DESCRIPTION

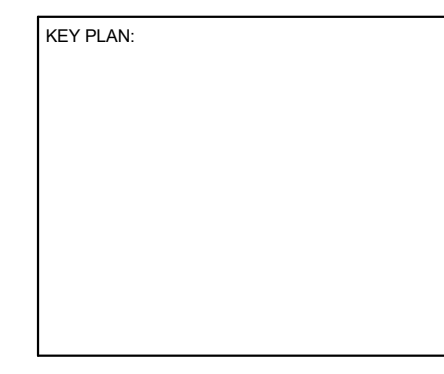
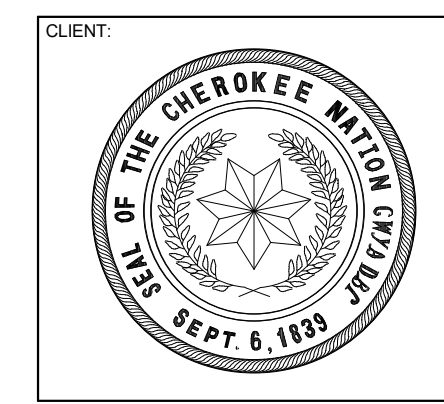
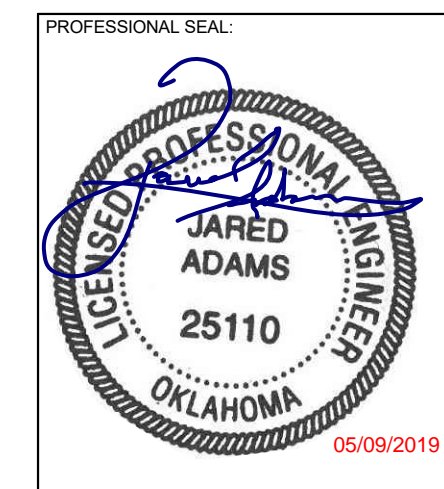
DATE: 05-10-19 JOB NUMBER: 17-13

SHEET NUMBER:

S8.06

SIDEPLATE BEAM
 DETAILS, NARROW

INTELLECTUAL PROPERTY RIGHTS NOTICE
 The SIDEPLATE® steel frame connection system is covered by one or more of U.S. Pat. Nos. 6,138,427; 6,516,583; 6,591,573; 7,178,296; 6,122,671; 6,122,672; 6,146,322; 6,176,736; 6,205,408; and 6,091,065 and foreign counterparts. Other U.S. and foreign applications pending.
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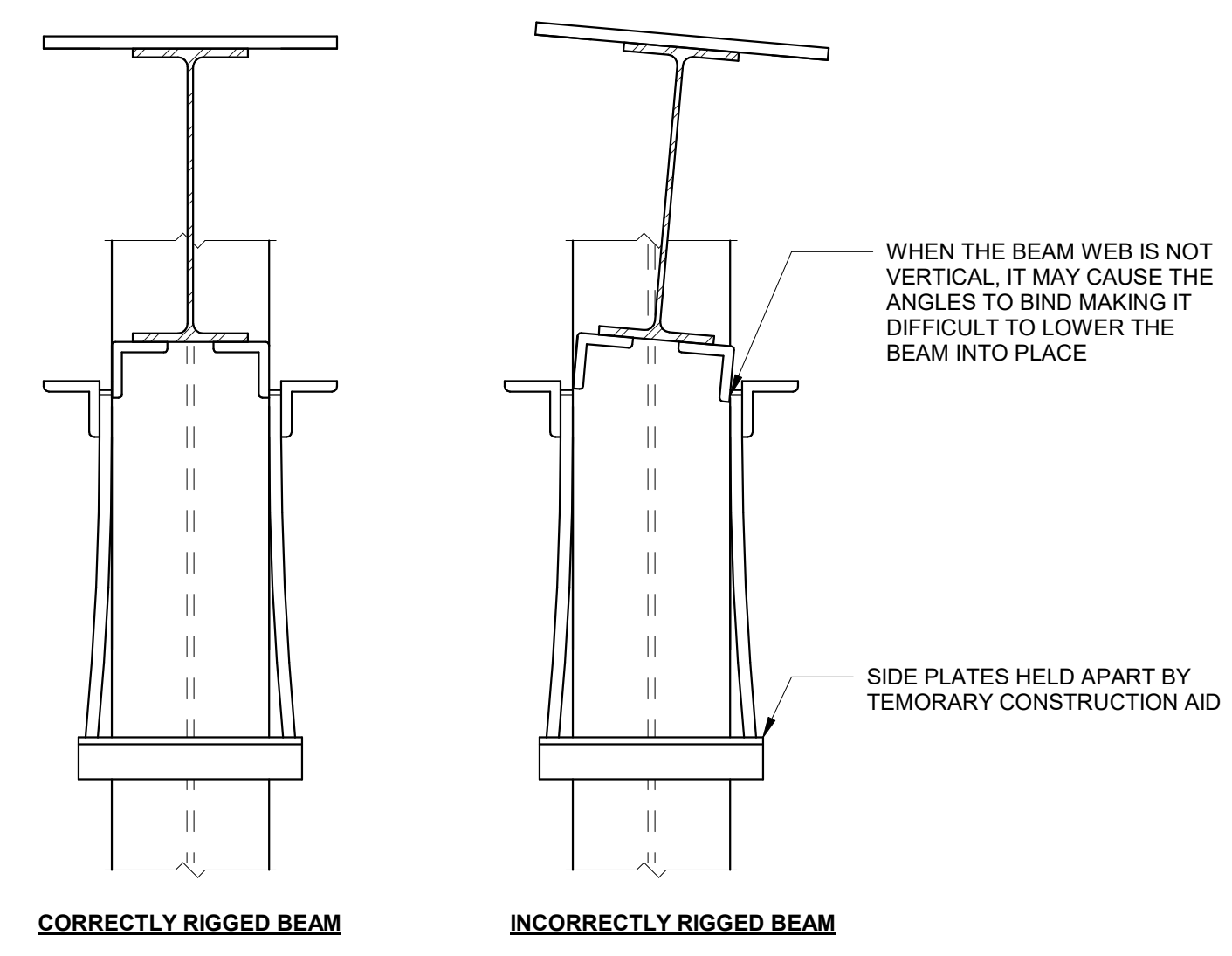
PROJECT PHASE:
 BID PACKAGE 04

#	DATE	REVISIONS DESCRIPTION

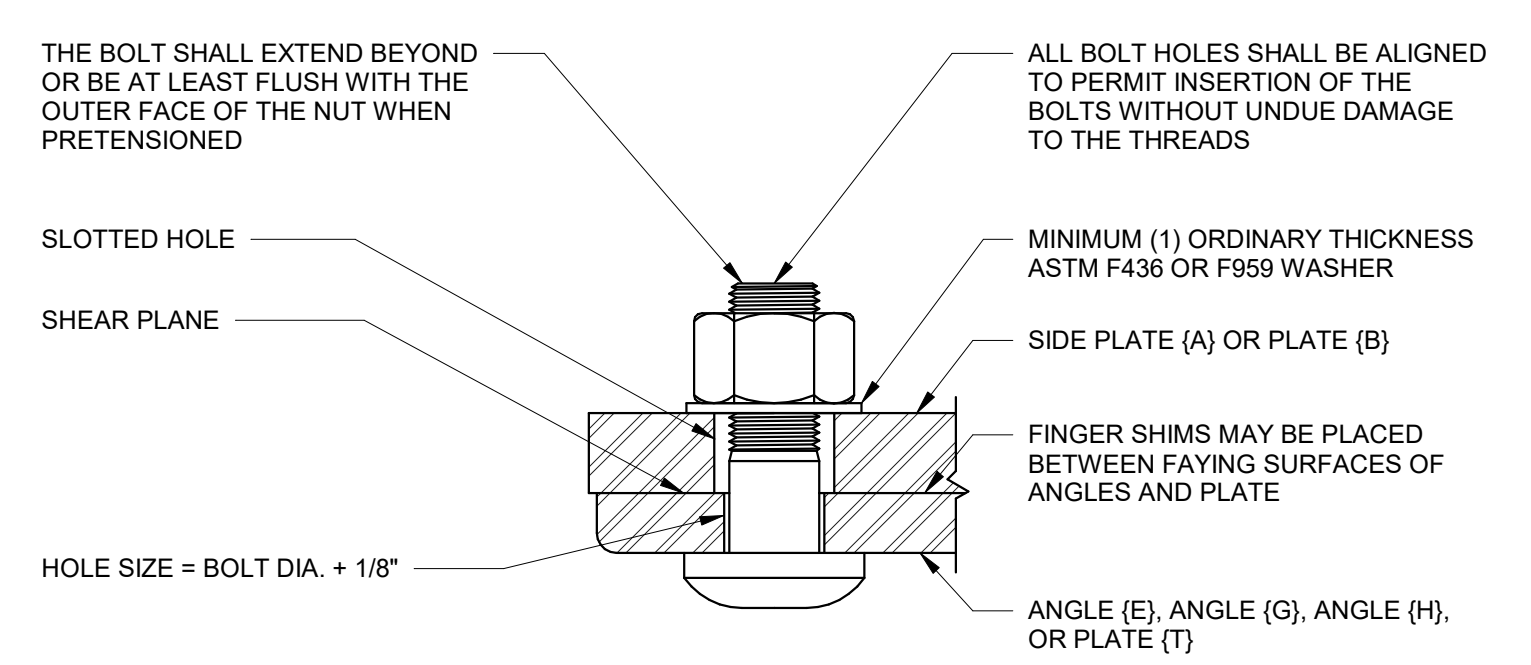
DATE: 05-10-19 JOB NUMBER: 17-13

SHEET NUMBER: S8.07

SIDEPLATE FIELD ERECTION DETAILS



4 BEAM INSTALLATION DETAIL
 N.T.S.



- NOTES:
 1. BOLTS SHALL BE INSTALLED AS SHOWN TO KEEP THREADS OUTSIDE OF SHEAR PLANE.
 2. BOLTS SHALL BE SYSTEMATICALLY INSTALLED AS OUTLINED IN THE BOLTING SPECIFICATIONS. FIRST TO A SNUG TIGHT CONDITION, AND THEN PRETENSIONED.
 3. THE USE OF FINGER SHIMS ARE ALLOWED FOR GAPS GREATER THAN 1/8 INCH UP TO 1/4 INCH. CONTACT SIDEPLATE SYSTEMS, INC. IF GAPS ARE GREATER THAN 1/4 INCH.
 4. NUT SHALL BE ASTM A563.
 5. THE BOLT/FASTER ASSEMBLY SHALL BE COVERED IN A LIGHT PROTECTIVE OIL.
 6. FOLLOW QUALITY CONTROL SECTION FOR EXPOSURE LIMITATION ON BOLTS/FASTERNS.

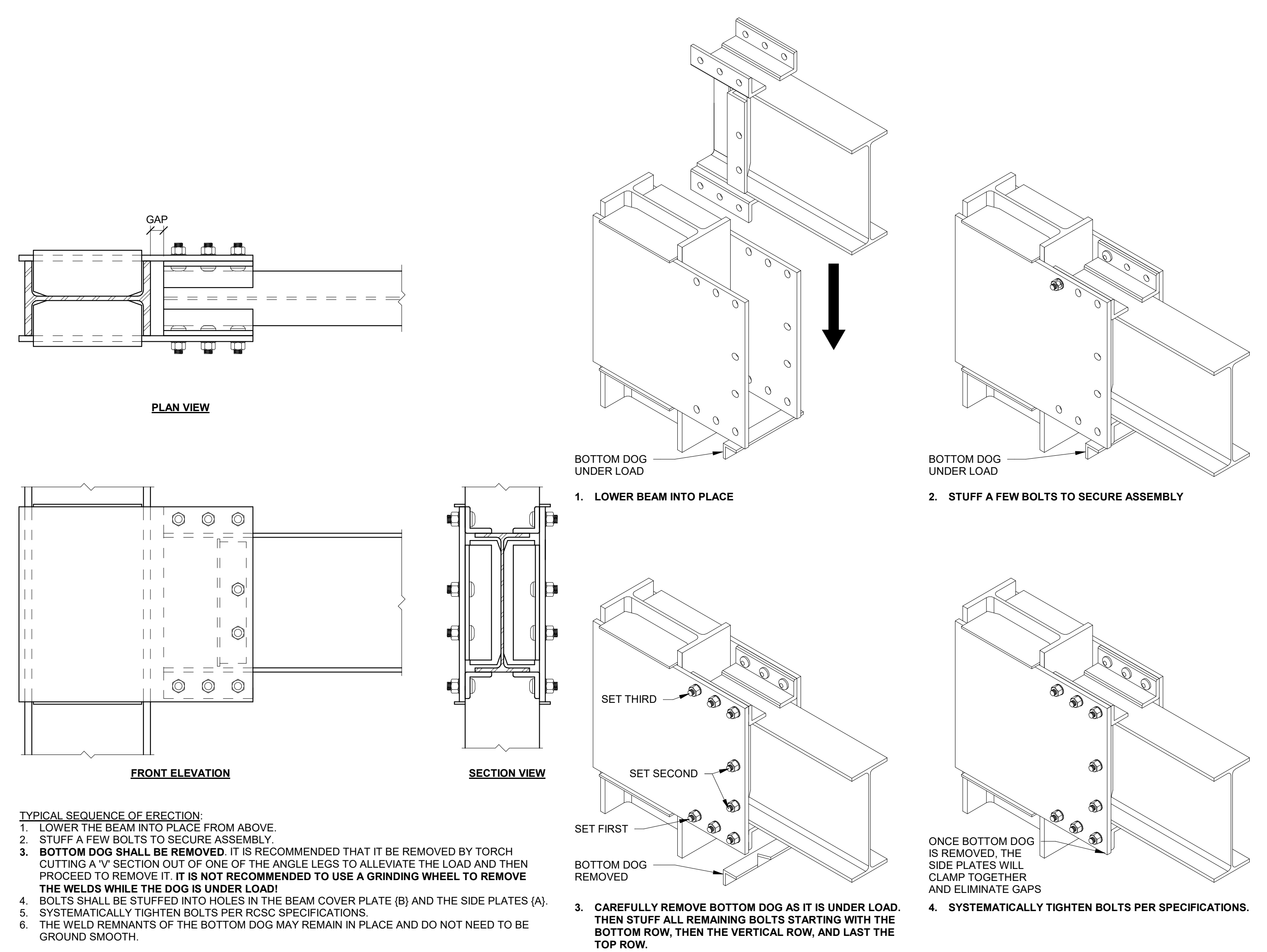
3 FIELD BOLTING DETAIL
 N.T.S.

ID	ERECTION DESIGN (INCHES)			
	BEAM SHAPE	DIAMETER	HORIZONTAL #	TOTAL # PER BEAM END
A10, B10	W24X68	1 1/8	4	16
A20, A25, B20, B25	W24X76	1 1/8	4	16
A40, B40	W36X160	1 1/8	6	24

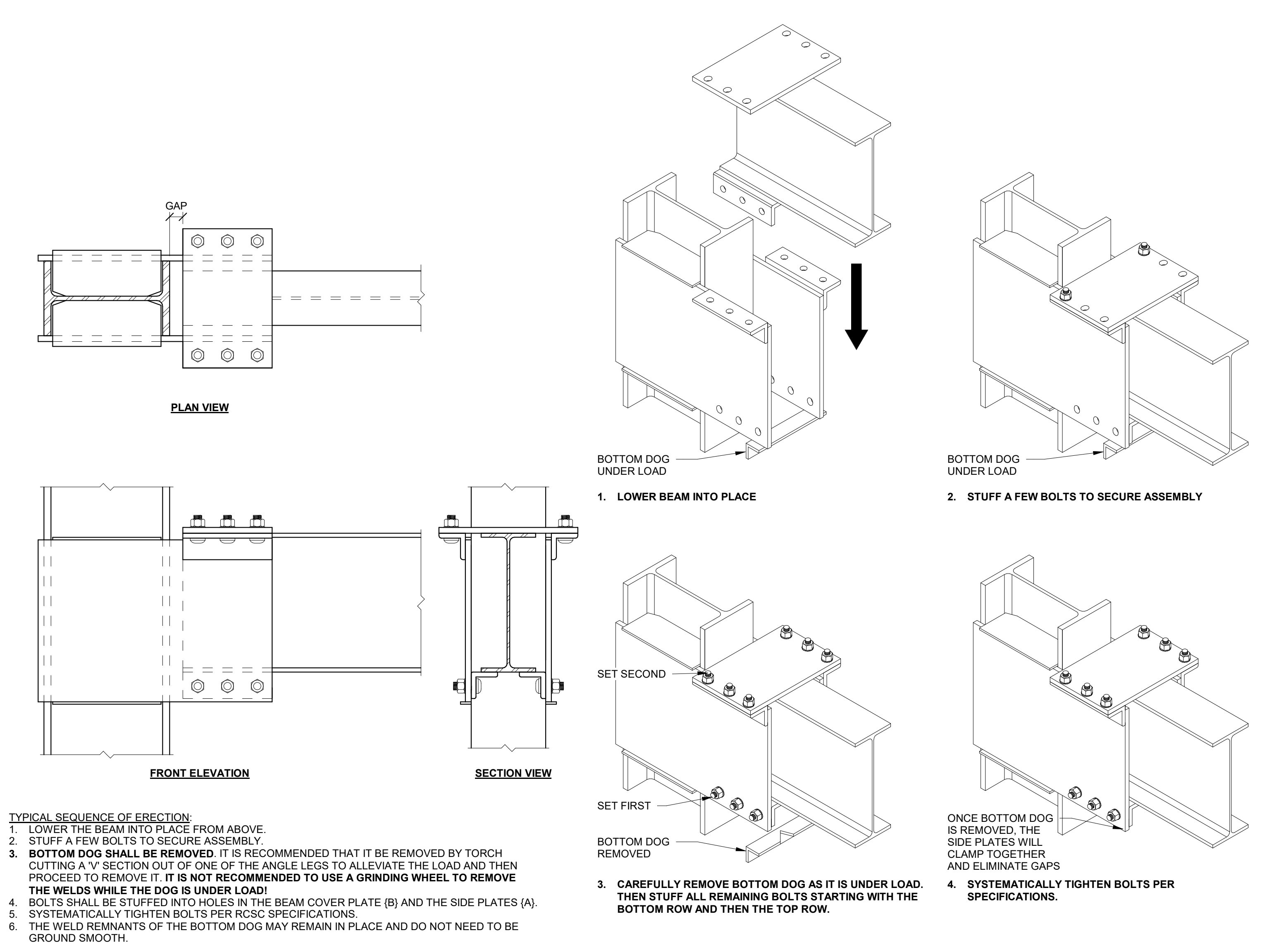
2 BEAM ERECTION SCHEDULE
 N.T.S.

ID	ERECTION DESIGN (INCHES)				
	BEAM SHAPE	DIAMETER	HORIZONTAL #	VERTICAL #	TOTAL # PER BEAM END
A15, A115, B15	W24X68	1 1/8	4	2	20
A25, B25	W24X76	1 1/8	4	2	20
A35, B35	W33X141	1 1/8	5	3	26
A45, B45	W36X160	1 1/8	6	3	30

6 NARROW BEAM ERECTION SCHEDULE
 N.T.S.



5 NARROW BEAM ERECTION DETAIL
 N.T.S.



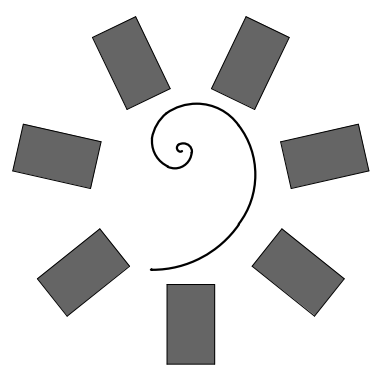
1 BEAM ERECTION DETAIL
 N.T.S.

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 Other U.S. and foreign applications pending.

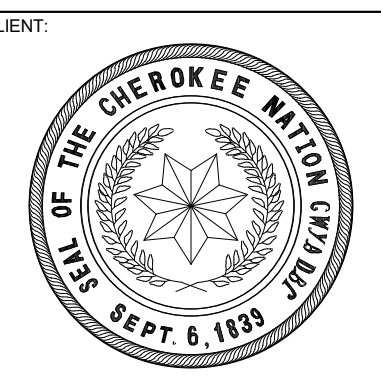
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v15.08.00
 REVISIONS



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COLLEGE OF
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 TAHLEQUAH, OKLAHOMA

KEY PLAN

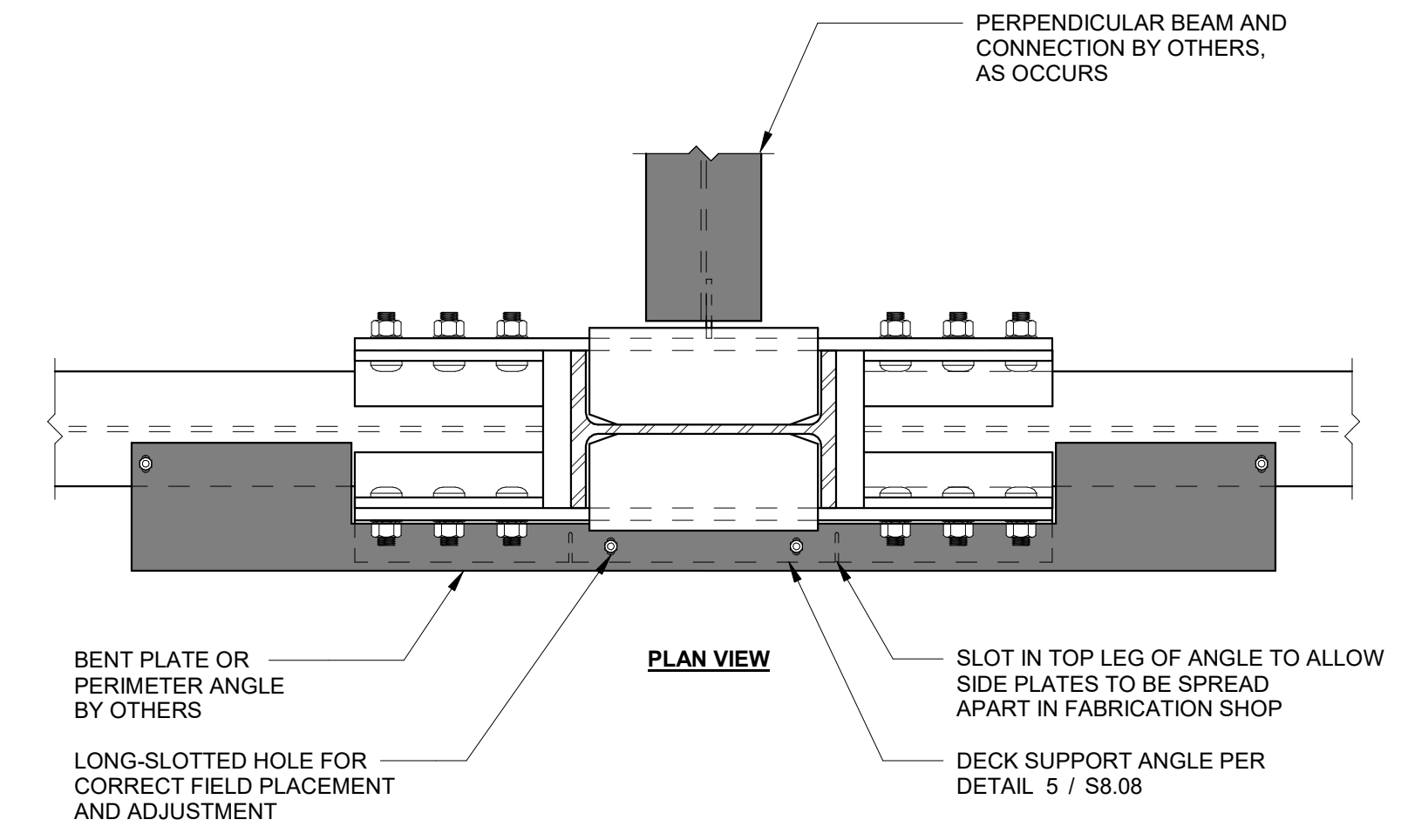
PROJECT PHASE
 BID PACKAGE 04

#	DATE	REVISIONS DESCRIPTION

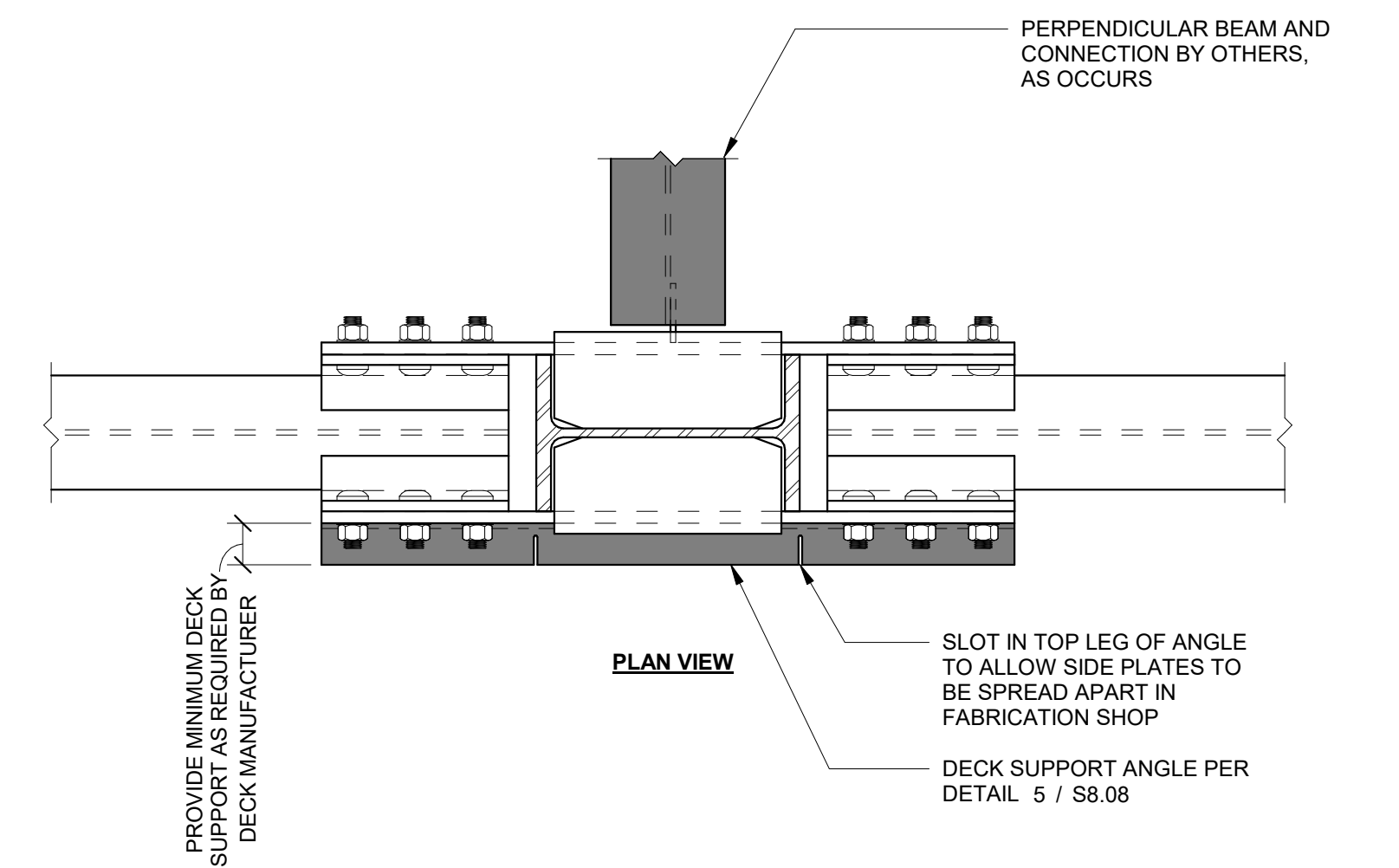
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SHEET NUMBER:
S8.08

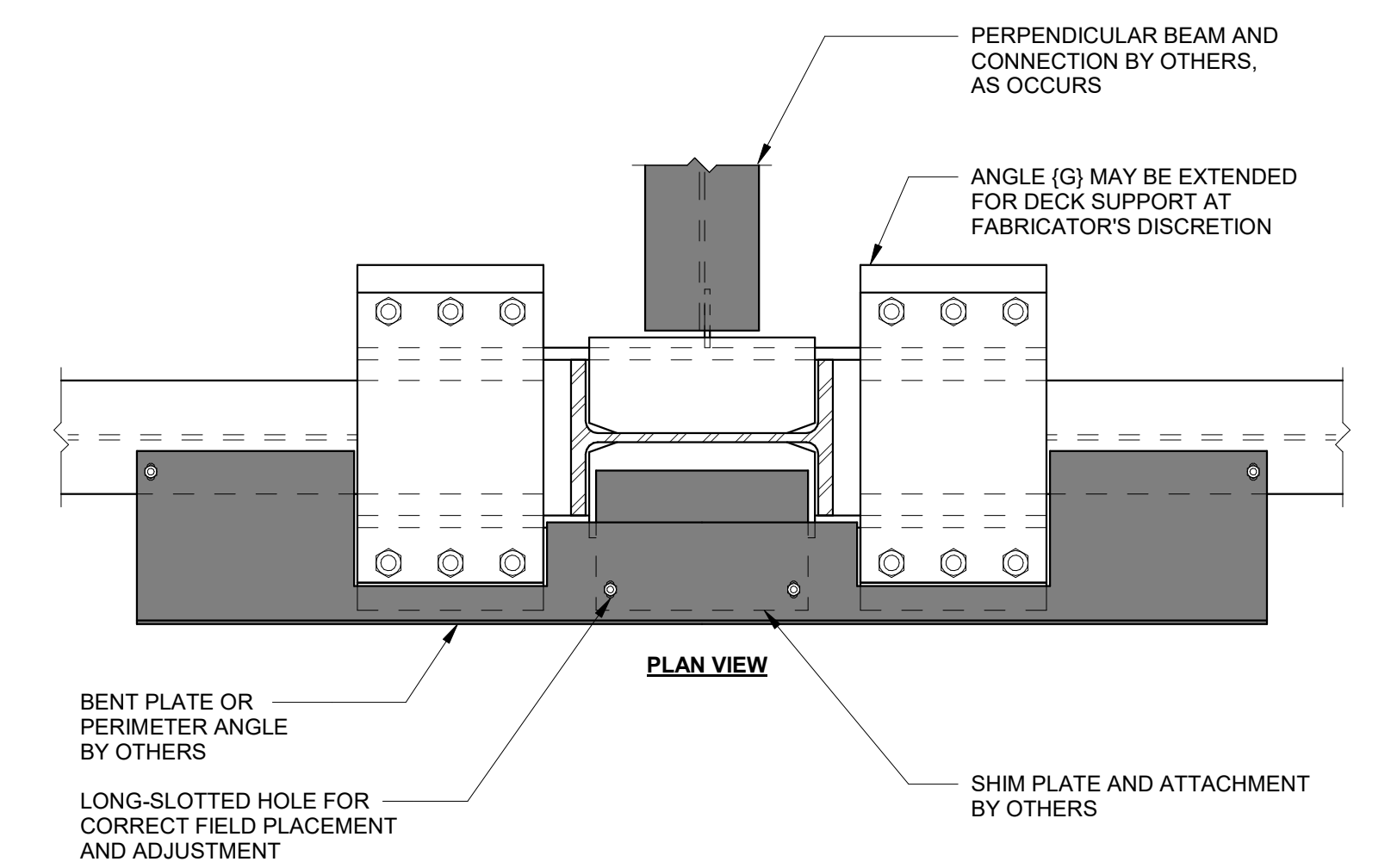
SIDEPLATE MISC
 DETAILS AND
 COORDINATION ITEMS



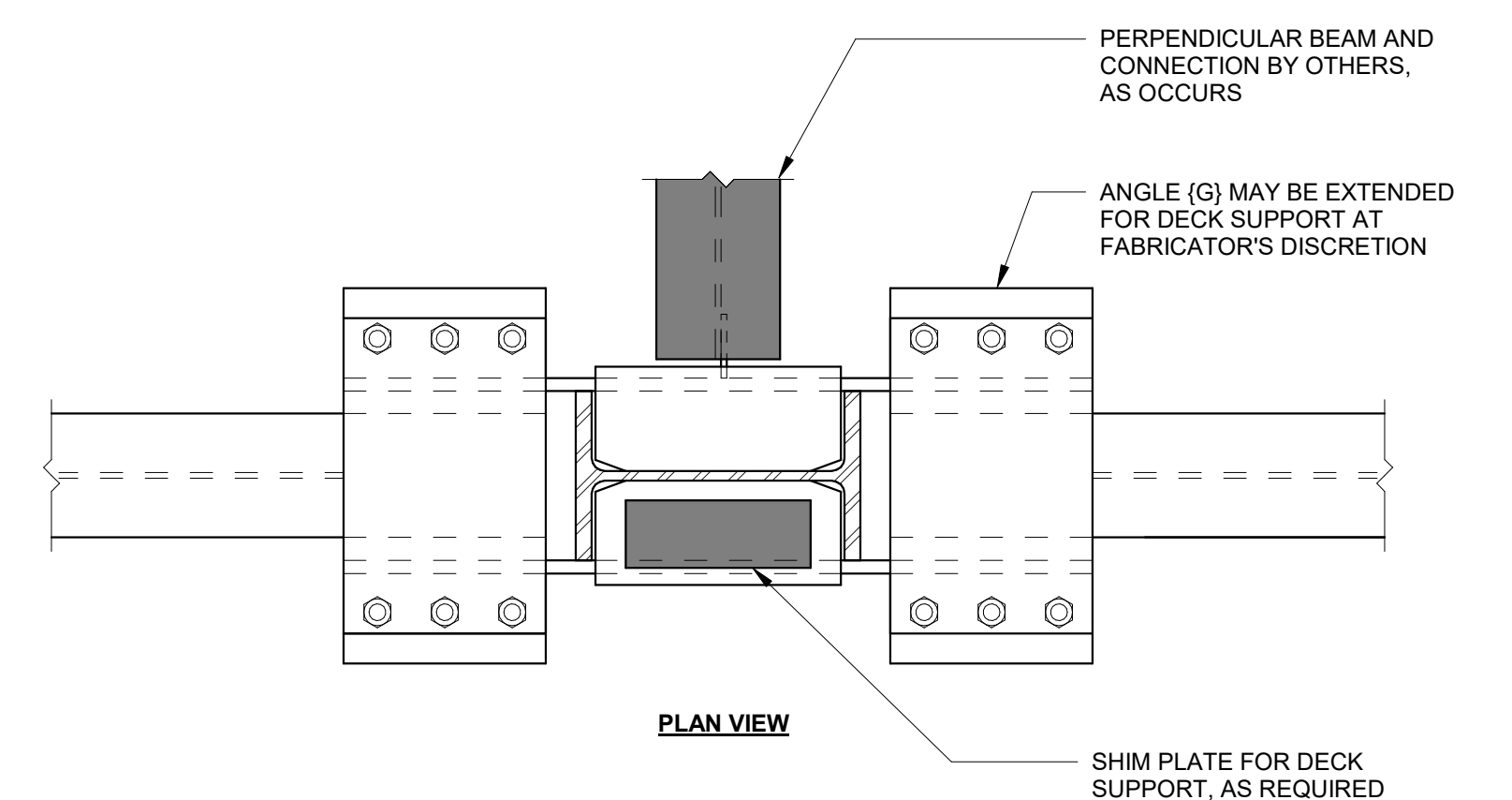
4 NARROW CONFIGURATION SLAB EDGE DETAIL
 N.T.S.



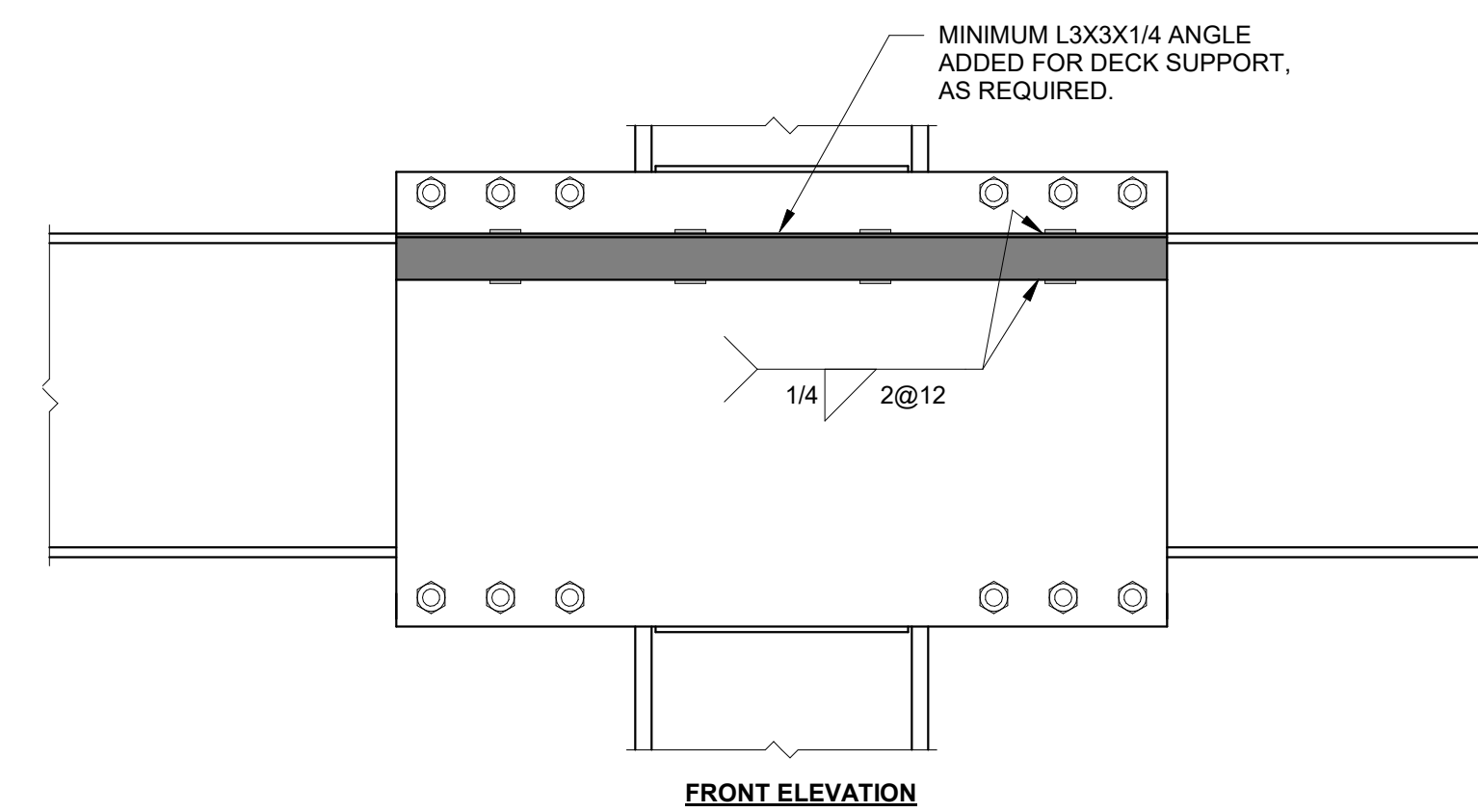
3 NARROW CONFIGURATION DECK SUPPORT DETAIL
 N.T.S.



2 SLAB EDGE DETAIL
 N.T.S.



1 DECK SUPPORT DETAIL
 N.T.S.



5 DECK SUPPORT ANGLE DETAIL
 N.T.S.



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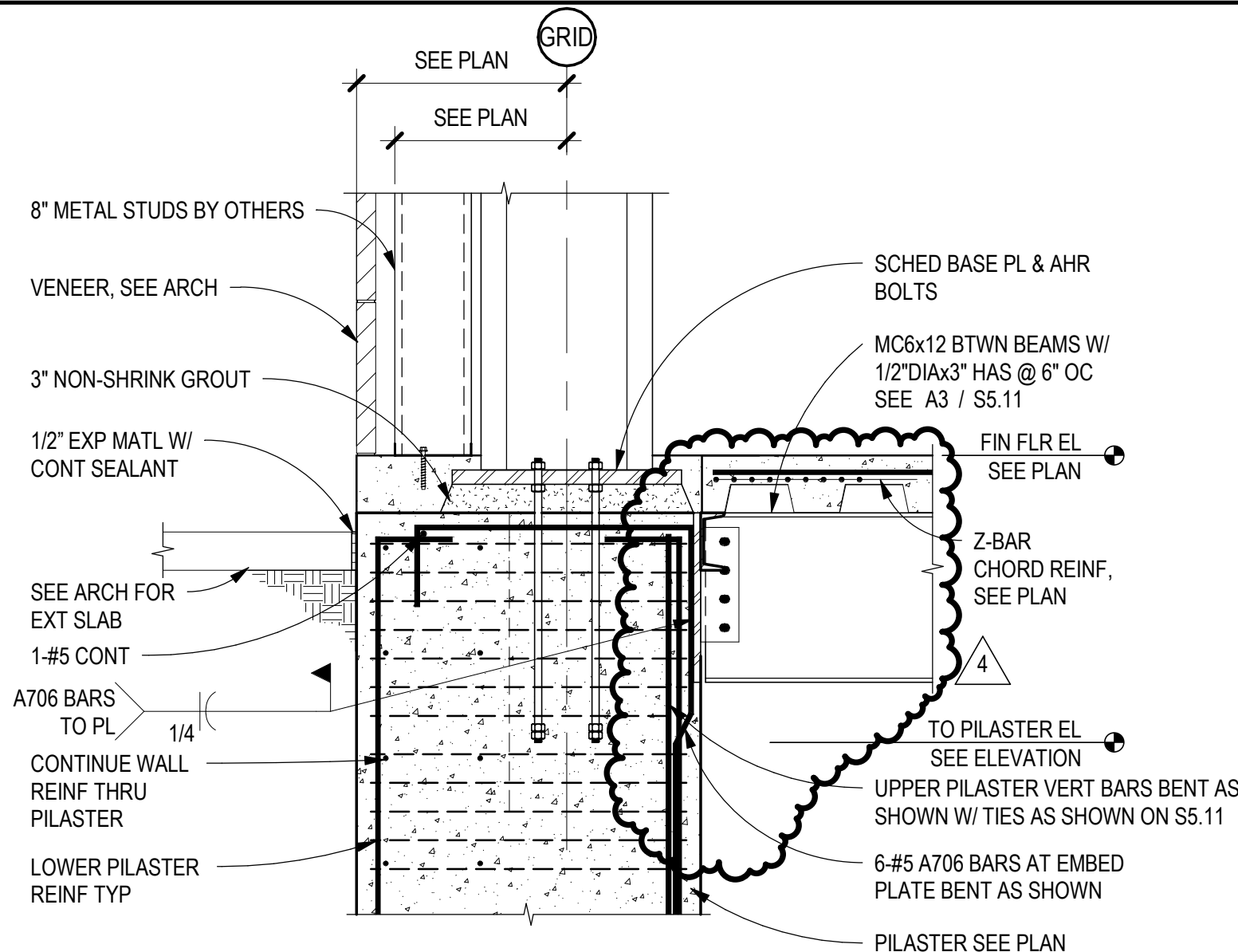
OSU COLLEGE OF OSTEOPATHIC
MEDICINE AT THE CHEROKEE NATION

TAHLEQUAH, OK

CR	3/4" = 1'-0"
CY	C124-144
S3.12	8/01/19

FRAMING
DETAIL

SKS-5
of



D4

BASEMENT WALL SECTION

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

Date/Time: 8/1/2019 10:50:49 AM

Tech: S3.12