

SPECIAL INSPECTION AND TESTING:

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

THE SPECIAL INSPECTIONS AND TESTING PROGRAM:

THE SPECIAL INSPECTION AND TESTING PROGRAM IS A QUALITY ASSURANCE PROGRAM INTENDED TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN IBC SECTION 110. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY TO COMPLY WITH THE OFFICIAL CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS OF:

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

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

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

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

INSPECTION OF FABRICATION:

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

EXEMPTION:

FABRICATORS APPROVED BY THE BUILDING OFFICIAL ARE EXEMPT FROM THE ON PREMISE INSPECTION. THE APPROVAL BY THE BUILDING OFFICIAL OF ANY FABRICATOR SHOULD BE PROPERLY DOCUMENTED PRIOR TO THE COMMENCEMENT OF FABRICATION. EXEMPTION WILL BE PROVIDED TO FABRICATORS WHO PROVIDE PROOF OF CERTIFICATION BY A NATIONALLY RECOGNIZED GOVERNING ASSOCIATION WHICH PERFORMS PERIODIC INSPECTIONS AND MAINTAINS QUALITY ASSURANCE CRITERIA.

EXAMPLES ARE: AISC CERTIFICATION FOR A STEEL FABRICATOR, SJI CERTIFICATION FOR A STEEL JOIST MANUFACTURER, WTC AND TPI CERTIFICATION FOR A PRE-ENGINEERED WOOD TRUSS MANUFACTURER.

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

CONCRETE TESTING NOTES:

CONCRETE TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND THE SCHEDULE OF SPECIAL INSPECTIONS. SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 7500 CUBIC YARDS OF CONCRETE USED FOR FOOTINGS, NOR LESS THAN ONCE FOR EACH 5000 SQUARE FEET OF SURFACE AREA FOR SLABS. TEST REPORTS INDICATING NON-COMPLIANCE SHALL BE PROVIDED TO THE OWNER, ARCHITECT AND CONTRACTOR. A COPY OF THE TEST REPORTS SHALL BE AVAILABLE AT THE JOBSITE.

STEEL INSPECTION AND TESTING NOTES:

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

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

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

MASONRY INSPECTION AND TESTING NOTES:

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

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

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

INSPECTOR TO BE CERTIFIED BY THE INTERNATIONAL CODE COUNCIL.

OTHER REQUIRED INSPECTIONS:

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

SCHEDULE OF SPECIAL INSPECTIONS

Table with columns: MATERIAL/ACTIVITY, SERVICE, APPLICABLE TO PROJECT (Y/N), EXTENT. Includes 1704.2.5 INSPECTION OF FABRICATORS.

1705.2 STEEL CONSTRUCTION (AISC 360: CHAPTER N)

Table with columns: MATERIAL/ACTIVITY, SERVICE, APPLICABLE TO PROJECT (Y/N), EXTENT. Includes 1705.2.1 STEEL CONSTRUCTION - OTHER INSPECTIONS.

Table with columns: MATERIAL/ACTIVITY, SERVICE, APPLICABLE TO PROJECT (Y/N), EXTENT. Includes 1705.2.1 STEEL CONSTRUCTION - OTHER INSPECTIONS.

1705.2.1 STEEL CONSTRUCTION - OTHER INSPECTIONS

Table with columns: MATERIAL/ACTIVITY, SERVICE, APPLICABLE TO PROJECT (Y/N), EXTENT. Includes items 1 through 5 for steel construction inspections.

1705.2.3 OPEN-WEB STEEL JOIST AND JOIST GIRDERS

Table with columns: TYPE, APPLICABLE TO PROJECT (Y/N), EXTENT, REFERENCED STANDARD. Includes items 1 through 3 for open-web steel joists and joist girders.

1705.2.2 COLD FORMED STEEL DECK (SDI QAQC - 2017)

Table with columns: TASK, Y/N, EXTENTS. Includes TABLE 1.1 INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT.

Table with columns: TASK, Y/N, EXTENTS. Includes TABLE 1.2 INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT.

Table with columns: TASK, Y/N, EXTENTS. Includes TABLE 1.3 INSPECTION OR EXECUTION TASKS PRIOR TO WELDING.

Table with columns: TASK, Y/N, EXTENTS. Includes TABLE 1.4 INSPECTION OR EXECUTION TASKS DURING WELDING.

Table with columns: TASK, Y/N, EXTENTS. Includes TABLE 1.5 INSPECTION OR EXECUTION TASKS AFTER WELDING.

Table with columns: TASK, Y/N, EXTENTS. Includes TABLE 1.6 INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING.

Table with columns: TASK, Y/N, EXTENTS. Includes TABLE 1.7 INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING.

Table with columns: TASK, Y/N, EXTENTS. Includes TABLE 1.8 INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING.

1705.6 SOILS

Table with columns: MATERIAL/ACTIVITY, SERVICE, APPLICABLE TO PROJECT (Y/N), EXTENT. Includes items 1 through 5 for soils inspection.

- NOTES: 1. THE INSPECTION AND TESTING AGENT OR AGENTS... 2. SUBMIT A LIST OF THE SPECIAL INSPECTORS... 3. SPECIAL INSPECTIONS AS REQUIRED BY SECTION 1704.2.5...

- DEFINITIONS: 1. SPECIAL INSPECTION: INSPECTION OF CONSTRUCTION... 2. SPECIAL INSPECTOR: QUALIFIED FIRM OR INDIVIDUAL... 3. PERIODIC SPECIAL INSPECTION: THE PART TIME OR INTERMITTENT OBSERVATION...

1705.3 CONCRETE CONSTRUCTION

Table with columns: MATERIAL/ACTIVITY, SERVICE, APPLICABLE TO PROJECT (Y/N), EXTENT, REFERENCED STANDARD, IBC REFERENCE. Includes items 1 through 13 for concrete construction.

FOR SI: INCH = 25.4 mm. (a) WHERE APPLICABLE, SEE ALSO SECTION 1705.12. SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE. (b) SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION...

1705.4 MASONRY CONSTRUCTION

Table with columns: MINIMUM VERIFICATION, REQUIRED FOR QUALITY ASSURANCE, REFERENCE FOR CRITERIA. Includes items 1 through 4 for masonry construction.

MINIMUM SPECIAL INSPECTIONS

Table with columns: LEVEL 1, LEVEL 2, LEVEL 3, TMS 402, TMS 602. Includes items 1 through 6 for minimum special inspections.

FOR SI: INCH = 25.4 mm. (a) FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION... (b) REQUIRED FOR THE FIRST 5000 SQUARE FEET OF AAC MASONRY.



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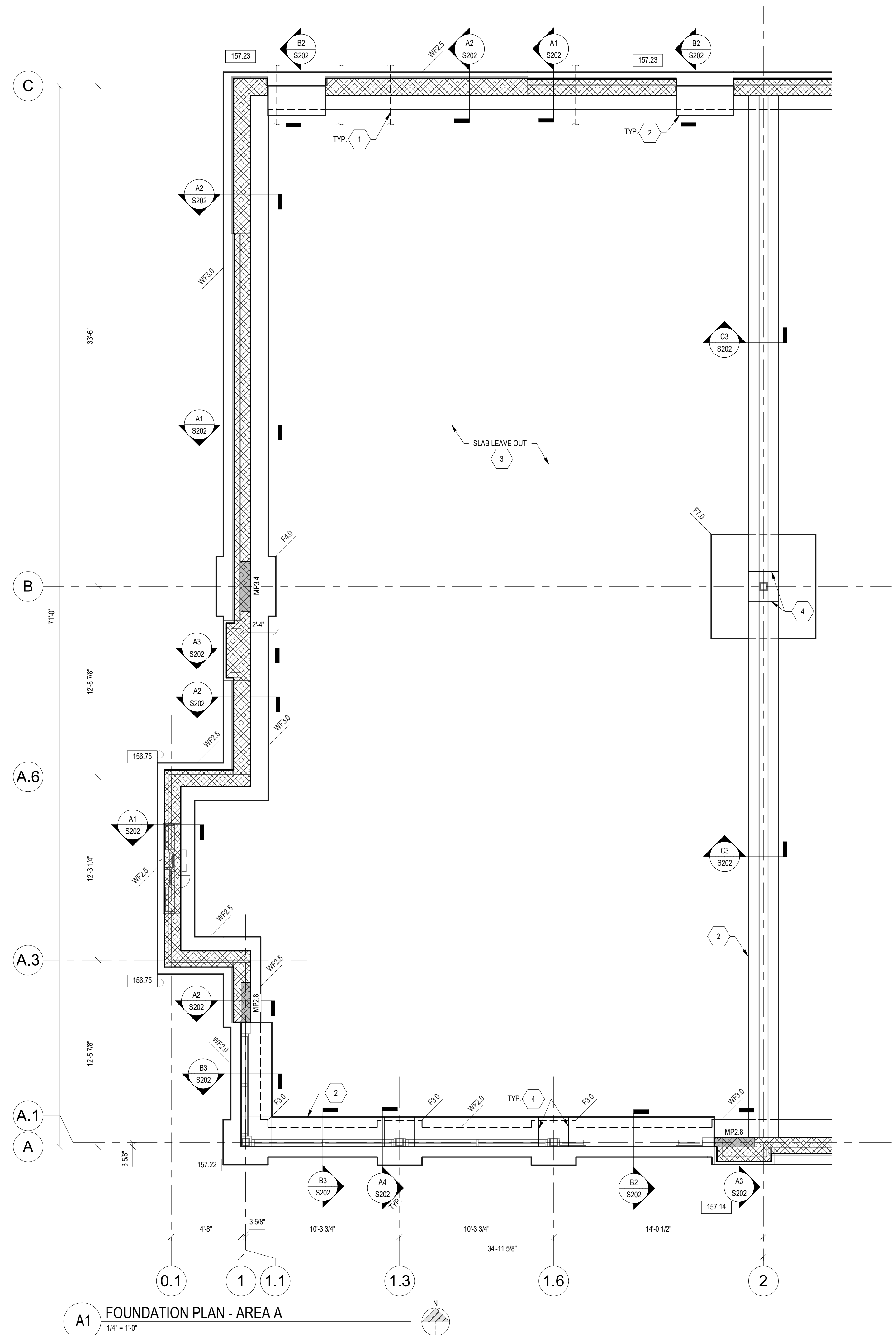
Heartland Dental - Clayton, NC. W/M PROJECT # NC22-0118 2165 FRITCHARD ROAD CLAYTON, NC 27627

Table with columns: DATE, EVENT, MK, DATE, ISSUE. Includes dates 1/24/2024, 11/15/2023 and events BID SET, PERMIT SET.

SPECIAL INSPECTIONS

S002

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A1 FOUNDATION PLAN - AREA A
1/4" = 1'-0"

GENERAL SHEET NOTES

- SEE SHEET S001 FOR GENERAL NOTES.
- SEE SHEET S201 FOR TYPICAL DETAILS.
- FINISH FLOOR ELEVATION = 157.25 = (0'-0"). ALL ELEVATIONS ARE REFERENCED FROM FINISH FLOOR ELEVATIONS AND ARE SHOWN AS (x'-x").
- FOUNDATION ELEVATIONS SHOWN ON PLAN ARE TO TOP OF FOUNDATION AND ARE REFERENCED FROM FINISH FLOOR ELEVATION OF (0'-0").
- TOP OF FOUNDATIONS ARE (+1'-4") U.N.O.
- SEE ARCHITECTURAL DRAWINGS FOR EXTENT AND FINISH OF SLAB ON GRADE AND FOR ANY FLOOR DEPRESSIONS.
- FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
- SEE SHEET S201 FOR TYPICAL MASONRY WALL REINFORCING AND DETAILS.
- SEE SHEET S111A FOR MASONRY CONTROL JOINT LOCATIONS.
- SUBGRADE SHALL BE TREATED FOR TERMITES PER THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE.

LEGEND

- "WFx" DENOTES WALL FOOTING MARK. SEE CONTINUOUS FOUNDATION SCHEDULE THIS SHEET.
- "Fx" DENOTES SPREAD FOOTING MARK. SEE SPREAD FOUNDATION SCHEDULE THIS SHEET.
- "F.S." DENOTES FOOTING STEP LOCATION. SEE DETAIL A2/S201
- "MPx" DENOTES MASONRY PIER. SEE DETAIL B5/S201
- xxx.xx APPROXIMATE PROPOSED FINISH GRADE ELEVATION. SEE CIVIL DRAWINGS.

SHEET KEYNOTES

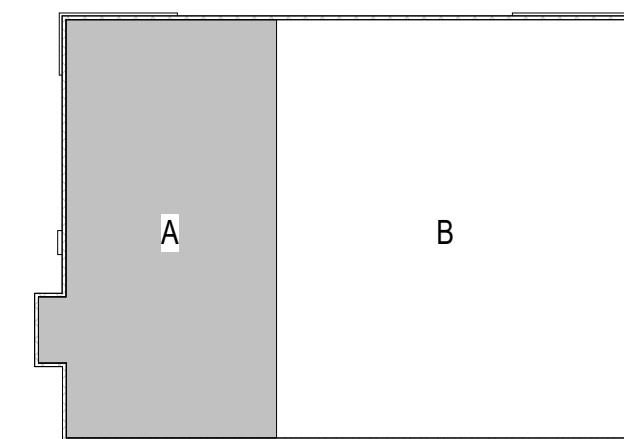
1. UTILITY LINE TO PASS THROUGH STEMWALL OR FOUNDATION PER DETAILS ON S201. COORDINATE LOCATION AND SIZE WITH PLUMBING AND CIVIL DRAWINGS.
2. RIBBON SLAB: 4" NORMAL WEIGHT CONCRETE SLAB ON GRADE w/ 6x6-W2.9xW2.9 WWF (CENTERED) ON VAPOR RETARDER ON 6" FREE-DRAINING GRANULAR BASE MATERIAL. PROVIDE CONTROL JOINTS IN SLAB PER DETAILS ON S-201.
3. SLAB LEAVE OUT SHALL BE PREPARED TO RECEIVE 4" CONCRETE SLAB BY TENANT. PROVIDE 6" FREE-DRAINING GRANULAR BASE MATERIAL OVER PREPARED SUBGRADE.
4. COLUMN ISOLATION JOINT IN RIBBON SLAB.

CONTINUOUS FOUNDATION SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCING
WF2.0	2'-0"	1'-4"	(2)#5 CONT. BOT.
WF2.5	2'-6"	1'-4"	(3)#5 CONT. BOT.
WF3.0	3'-0"	1'-4"	(3)#5 CONT. TOP & BOT. LONGITUDINAL #5 @ 12" O.C. TOP AND BOT. TRANSVERSE

SPREAD FOUNDATION SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	REINFORCING
F3.0	3'-0"	3'-0"	1'-4"	(4)#4 E.W. BOT.
F4.0	4'-0"	4'-0"	1'-4"	(5)#6 E.W. BOT.
F7.0	7'-0"	7'-0"	2'-0"	(9)#6 E.W. TOP & BOT.



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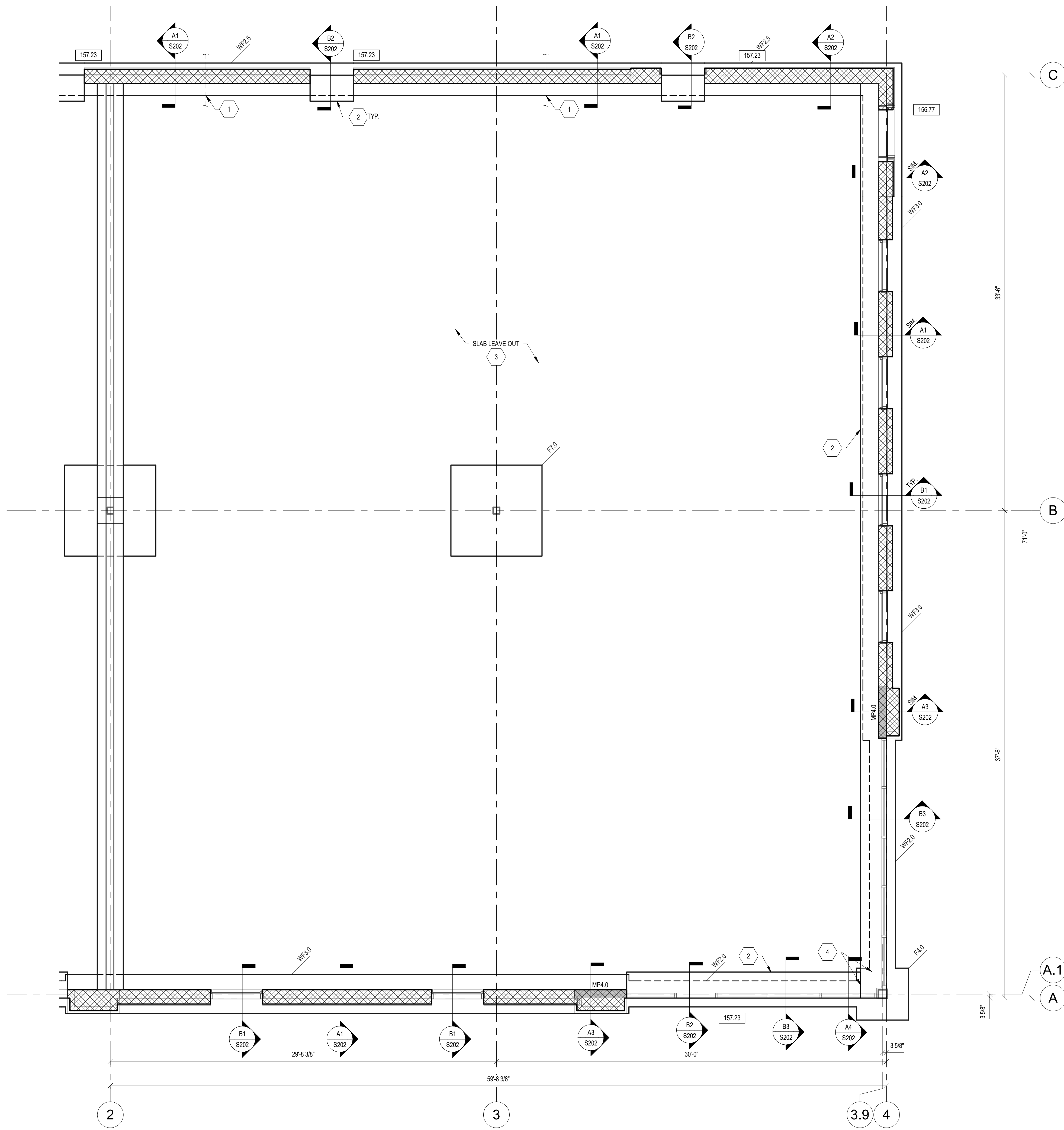
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Clayton, NC
WIMG PROJECT # NC22-0118
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CLAYTON, NC 27627

mk	date	issue
	1/24/2024	BID SET
	11/15/2023	PERMIT SET

FOUNDATION PLAN - AREA A

S101A

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A1 FOUNDATION PLAN - AREA B
1/4" = 1'-0"

GENERAL SHEET NOTES

- SEE SHEET S001 FOR GENERAL NOTES.
- SEE SHEET S201 FOR TYPICAL DETAILS.
- FINISH FLOOR ELEVATION = 157.25 = (0'-0"). ALL ELEVATIONS ARE REFERENCED FROM FINISH FLOOR ELEVATIONS AND ARE SHOWN AS (± X'-X").
- FOUNDATION ELEVATIONS SHOWN ON PLAN ARE TO TOP OF FOUNDATION AND ARE REFERENCED FROM FINISH FLOOR ELEVATION OF (0'-0").
- TOP OF FOUNDATIONS ARE (+1'-4") U.N.O.
- SEE ARCHITECTURAL DRAWINGS FOR EXTENT AND FINISH OF SLAB ON GRADE AND FOR ANY FLOOR DEPRESSIONS.
- FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
- SEE SHEET S201 FOR TYPICAL MASONRY WALL REINFORCING AND DETAILS.
- SEE SHEET S111B FOR MASONRY CONTROL JOINT LOCATIONS.
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LEGEND

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 - "Fx" DENOTES SPREAD FOOTING MARK. SEE SPREAD FOUNDATION SCHEDULE THIS SHEET.
 - "F.S." DENOTES FOOTING STEP LOCATION. SEE DETAIL A2/S201
 - "MPx" DENOTES MASONRY PIER. SEE DETAIL B5/S201
- xxx.xx APPROXIMATE PROPOSED FINISH GRADE ELEVATION. SEE CIVIL DRAWINGS.

SHEET KEYNOTES

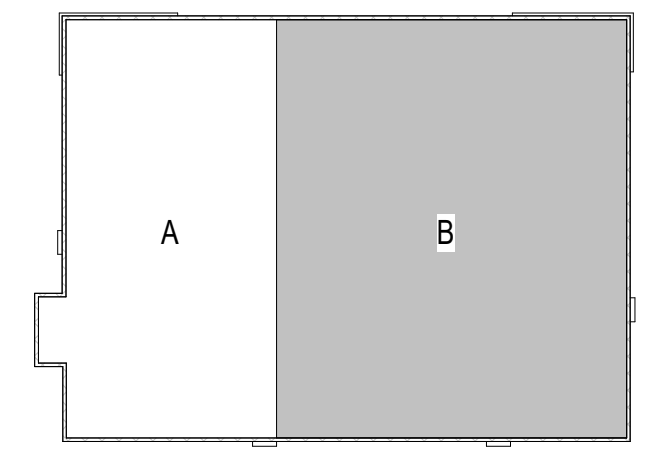
1. UTILITY LINE TO PASS THROUGH STEM WALL OR FOUNDATION PER DETAILS ON S201. COORDINATE LOCATION AND SIZE WITH PLUMBING AND CIVIL DRAWINGS.
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4. COLUMN ISOLATION JOINT IN RIBBON SLAB.

CONTINUOUS FOUNDATION SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCING
WF2.0	2'-0"	1'-4"	(2)#5 CONT. BOT.
WF2.5	2'-6"	1'-4"	(3)#5 CONT. BOT.
WF3.0	3'-0"	1'-4"	(3)#5 CONT. TOP & BOT. LONGITUDINAL #5 @ 12" O.C. TOP AND BOT. TRANSVERSE

SPREAD FOUNDATION SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	REINFORCING
F3.0	3'-0"	3'-0"	1'-4"	(4)#4 E.W. BOT.
F4.0	4'-0"	4'-0"	1'-4"	(5)#6 E.W. BOT.
F7.0	7'-0"	7'-0"	2'-0"	(9)#6 E.W. TOP & BOT.



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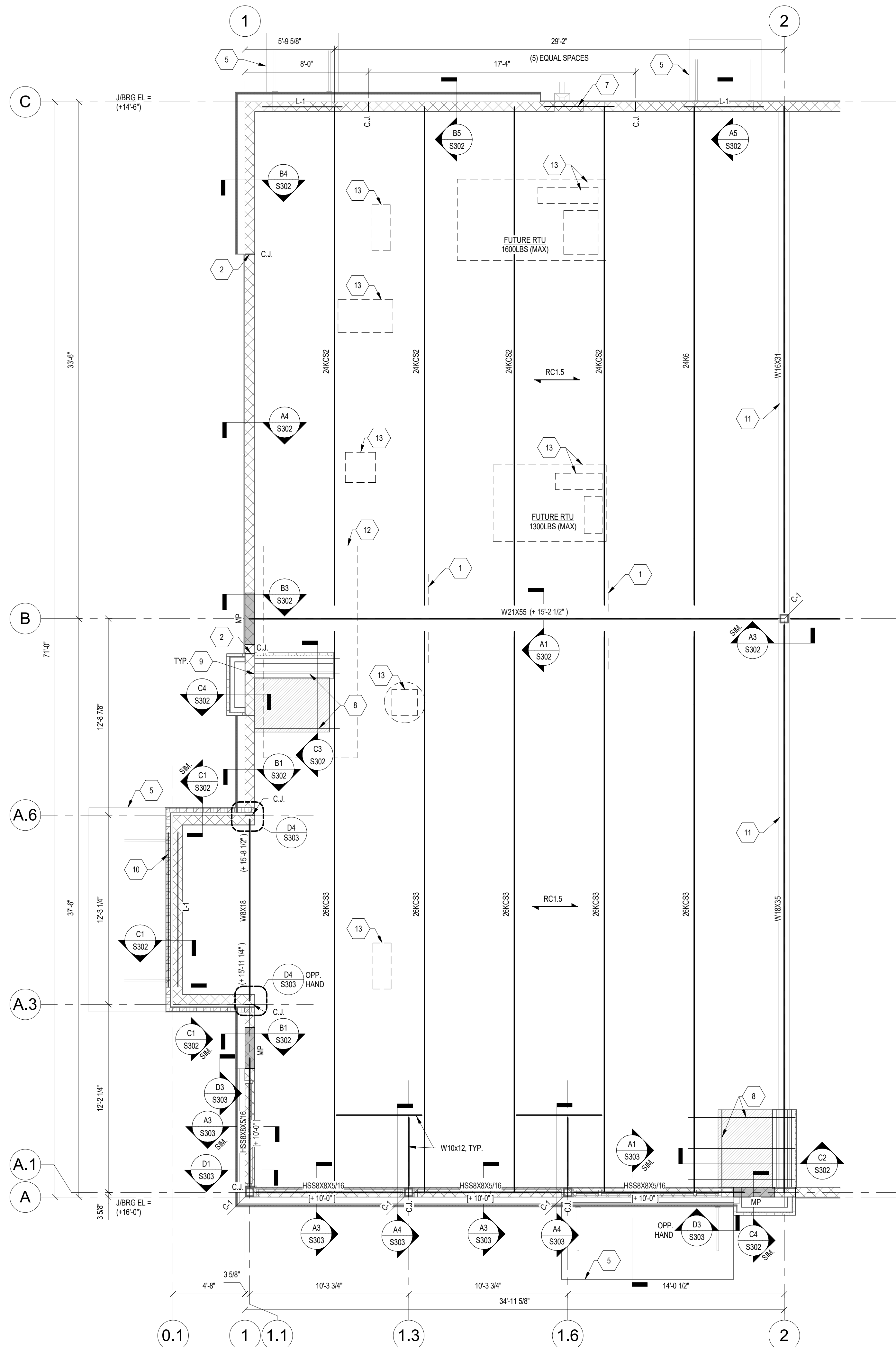
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CLAYTON, NC 27627

mk	date	issue
	1/24/2024	BID SET
	11/15/2023	PERMIT SET

FOUNDATION PLAN - AREA B

S101B

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A1 ROOF FRAMING PLAN - AREA A
1/4" = 1'-0"

GENERAL SHEET NOTES

- SEE SHEET S001 FOR STRUCTURAL GENERAL NOTES.
- SEE SHEET S301 FOR TYPICAL FRAMING DETAILS.
- BASE REFERENCE ELEVATION IS FROM FINISH FLOOR ELEVATION 157.25 = (0'-0"). ALL ELEVATIONS ARE REFERENCED FROM BASE ELEVATION AND ARE SHOWN AS (x'-x").
- FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
- COORDINATE ALL OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
- COORDINATE ALL EQUIPMENT SIZES, LOCATIONS AND WEIGHTS WITH THE MECHANICAL CONTRACTOR. NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR DEVIATIONS FROM WHAT IS SHOWN.
- SEE SHEET S201 FOR TYPICAL MASONRY WALL REINFORCING AND DETAILS.
- TOP OF STEEL FOR WIDE FLANGE BEAMS RUNNING PARALLEL TO JOIST FRAMING SHALL MATCH TOP OF ADJACENT JOISTS.

LEGEND

- (x'-x') DENOTES TOP OF STEEL ELEVATION ABOVE FINISH FLOOR ELEVATION OF (0'-0").
- [x'-x'] DENOTES BOTTOM OF STEEL ELEVATION ABOVE FINISH FLOOR ELEVATION OF (0'-0").
- "MP" DENOTES MASONRY PIER. SEE FOUNDATION PLAN FOR PIER MARKS.
- "L-x" DENOTES REINFORCED MASONRY LINTEL. SEE LINTEL DETAILS ON SHEET S301.
- "C-x" DENOTES STEEL COLUMN. SEE COLUMN SCHEDULE THIS SHEET.
- "C.J." DENOTES MASONRY CONTROL JOINT IN CMU WALL. SEE DETAIL C3/S201.
- DENOTES KICKER EXTENTS AT PARAPET RETURN WALLS
- RC1.5 1 1/2"x22 GAUGE GALVANIZED WIDE RIB METAL ROOF DECK (TYPE B). ATTACH TO SUPPORT STEEL PER D1/S301

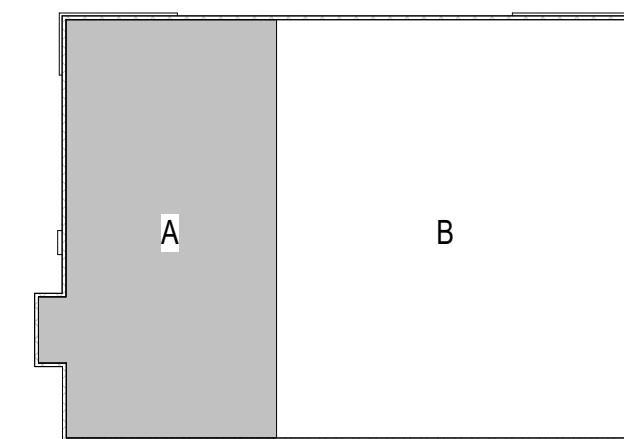
SHEET KEYNOTES

1. L2x2 BOTTOM CHORD BRACE. SEE DETAIL B4/S301
2. MASONRY CONTROL JOINT TO ALIGN WITH STEP IN MASONRY PARAPET ELEVATION. SEE ARCHITECTURAL DRAWINGS FOR LOCATION.
3. ANGLE FRAMING AT ROOF OPENING. SEE DETAIL A4/S301
4. PROVIDE CHANNEL UNDER ALL SIDES OF MECHANICAL UNIT CURB. SEE DETAIL A2/S301
5. PRE-ENGINEERED METAL CANOPY. SEE ARCH. SEE DETAIL B1/S301 FOR ATTACHMENT TO CMU.
6. AWNING AND ATTACHMENT TO CMU BY AWNING SUPPLIER. SEE ARCH. WHERE CFS OVERBUILD OCCURS, PROVIDE SOLID BLOCKING IN STUD SPACE.
7. PROVIDE TYPE L-1 MASONRY LINTEL ABOVE SCUPPER OPENINGS.
8. CHANNEL LAID IN DECK FLUTES UNDER PARAPET RETURN WALL FRAMING AND KICKERS. SEE SECTIONS.
9. BEAR CHANNEL ON PERIMETER ANGLE AT CMU WALL AND WELD THROUGH DECK FLUTES SIMILAR TO C3/S302.
10. L5x3-1/2x3/8 (LLV. GALV.) LOOSE ANGLE LINTEL w/ VERTICAL LEG INSTALLED TIGHT TO BACK FACE OF BRICK. BEAR 8" IN MASONRY EACH END.
11. DEMISING WALL OCCURS BELOW BEAM. SEE ARCH. PROVIDE SLIP TRACK CONNECTION TO BOTTOM FLANGE.
12. FUTURE EXHAUST HOOD BELOW (1300LBS MAX). ATTACHMENT TO ROOF STRUCTURE BY TENANT.
13. FUTURE MECHANICAL UNIT, SUPPORT, AND ROOF OPENINGS BY TENANT. UNIT WEIGHT = 300LBS MAX U.N.O. JOIST DESIGN INCLUDES FUTURE WEIGHTS NOTED.

COLUMN SCHEDULE

TYPE MARK	TYPE	BASE PLATE BxH	ANCHOR ROD	EMBEDMENT
C-1	HSS8X8X1/4	12"x12"x3/4"	(4)-3/4" DIA.	12"
C-2	HSS8X8X3/8	14"x14"x3/4"	(4)-3/4" DIA.	12"

NOTE:
 - SEE DETAIL A1/S301 FOR BASE PLATE DETAILS.
 - SEE DETAIL A5/S201 FOR ANCHOR ROD DETAIL.



KEYPLAN



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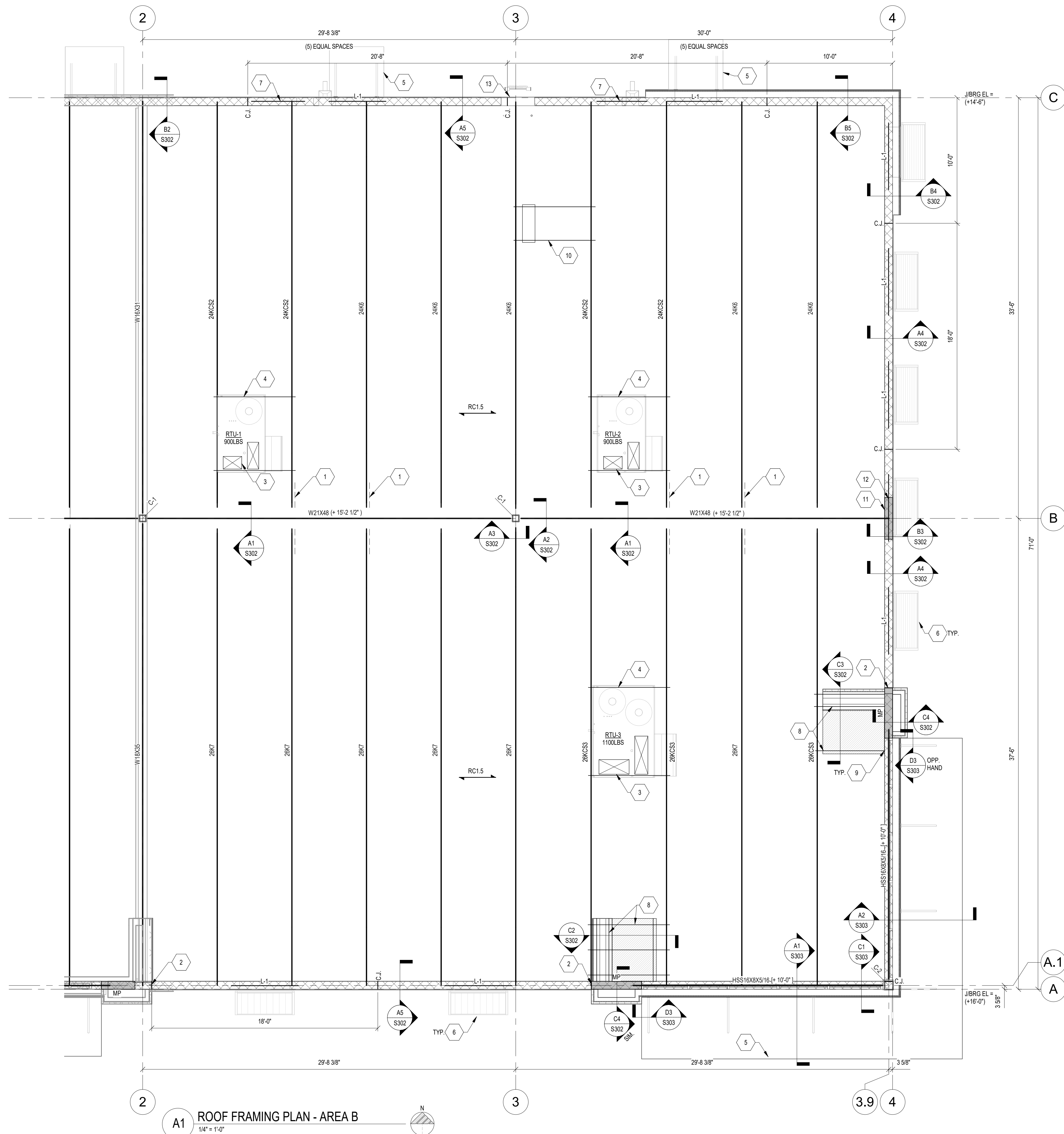
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1/24/2024	BID SET
11/15/2023	PERMIT SET
mk	date
	issue

ROOF FRAMING PLAN - AREA A

S111A

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A1 ROOF FRAMING PLAN - AREA B
1/4" = 1'-0"

GENERAL SHEET NOTES

- SEE SHEET S001 FOR STRUCTURAL GENERAL NOTES.
- SEE SHEET S301 FOR TYPICAL FRAMING DETAILS.
- BASE REFERENCE ELEVATION IS FROM FINISH FLOOR ELEVATION 157.25 = (0'-0"). ALL ELEVATIONS ARE REFERENCED FROM BASE ELEVATION AND ARE SHOWN AS (x'-x").
- FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
- COORDINATE ALL OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
- COORDINATE ALL EQUIPMENT SIZES, LOCATIONS AND WEIGHTS WITH THE MECHANICAL CONTRACTOR. NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR DEVIATIONS FROM WHAT IS SHOWN.
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- TOP OF STEEL FOR WIDE FLANGE BEAMS RUNNING PARALLEL TO JOIST FRAMING SHALL MATCH TOP OF ADJACENT JOISTS.

LEGEND

- (x'-x') DENOTES TOP OF STEEL ELEVATION ABOVE FINISH FLOOR ELEVATION OF (0'-0").
- [x'-x'] DENOTES BOTTOM OF STEEL ELEVATION ABOVE FINISH FLOOR ELEVATION OF (0'-0").
- "MP" DENOTES MASONRY PIER. SEE FOUNDATION PLAN FOR PIER MARKS.
- "L-x" DENOTES REINFORCED MASONRY LINTEL. SEE LINTEL DETAILS ON SHEET S301.
- "C-x" DENOTES STEEL COLUMN. SEE COLUMN SCHEDULE THIS SHEET.
- "C.J." DENOTES MASONRY CONTROL JOINT IN CMU WALL. SEE DETAIL C3/S201.
- [Hatched Area] DENOTES KICKER EXTENTS AT PARAPET RETURN WALLS
- RC1.5 1 1/2"x22 GAUGE GALVANIZED WIDE RIB METAL ROOF DECK (TYPE B). ATTACH TO SUPPORT STEEL PER D1/S301

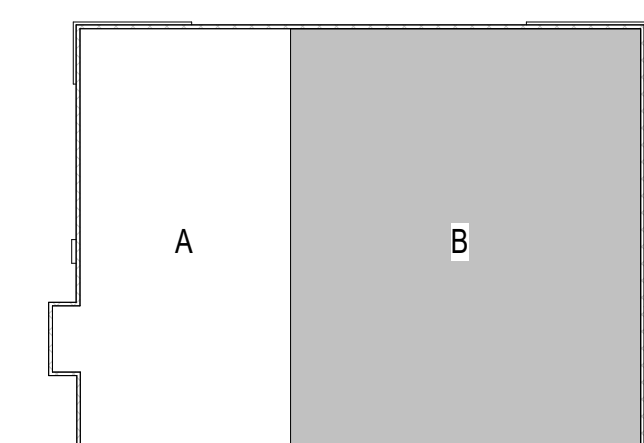
SHEET KEYNOTES

1. L2x2 BOTTOM CHORD BRACE. SEE DETAIL B4/S301
2. MASONRY CONTROL JOINT TO ALIGN WITH STEP IN MASONRY PARAPET ELEVATION. SEE ARCHITECTURAL DRAWINGS FOR LOCATION.
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6. AWNING AND ATTACHMENT TO CMU BY AWNING SUPPLIER. SEE ARCH. WHERE CFS OVERBUILD OCCURS, PROVIDE SOLID BLOCKING IN STUD SPACE.
7. PROVIDE TYPE L-1 MASONRY LINTEL ABOVE SCUPPER OPENINGS.
8. CHANNEL LAID IN DECK FLUTES UNDER PARAPET RETURN WALL FRAMING AND KICKERS. SEE SECTIONS.
9. BEAR CHANNEL ON PERIMETER ANGLE AT CMU WALL AND WELD THROUGH DECK FLUTES SIMILAR TO C3/S302.
10. PROVIDE CHANNELS FOR SUPPORT OF FUTURE CONDENSING UNIT SIMILAR TO DETAIL A2/S301
11. PROVIDE MP3.4 ABOVE LINTEL. SEE MASONRY PIER DETAILS ON SHEET S201.
12. W8x18 + BOT PL 3/8" (GALV) LINTEL. BOTTOM OF STEEL = (+10'-0"). SEE WF LINTEL BEARING DETAILS ON S301.
13. ROOF ACCESS LADDER, SEE ARCH.

COLUMN SCHEDULE

TYPE MARK	TYPE	BASE PLATE BxWxH	ANCHOR ROD	EMBEDMENT
C-1	HSS8x8x1/4	12"x12"x3/4"	(4)-3/4" DIA.	12"
C-2	HSS8x8x3/8	14"x14"x3/4"	(4)-3/4" DIA.	12"

- NOTE:
 - SEE DETAIL A1/S301 FOR BASE PLATE DETAILS.
 - SEE DETAIL A5/S201 FOR ANCHOR ROD DETAIL.



KEYPLAN

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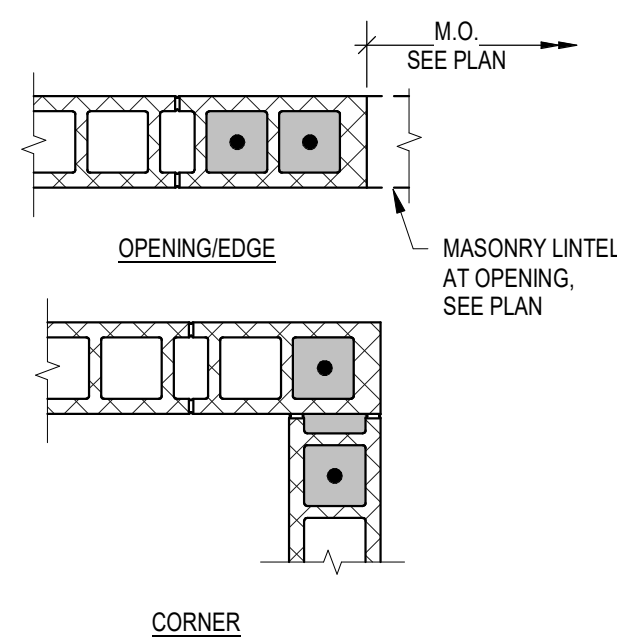
WING PROJECT # NC22-0118
 2165 FRITCHARD ROAD
 CLAYTON, NC 27627

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	issue

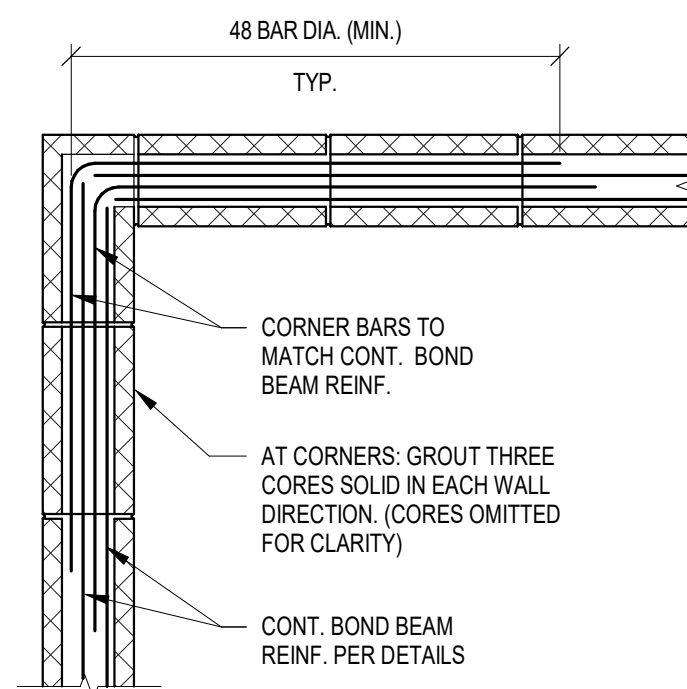
ROOF FRAMING PLAN - AREA B

S111B

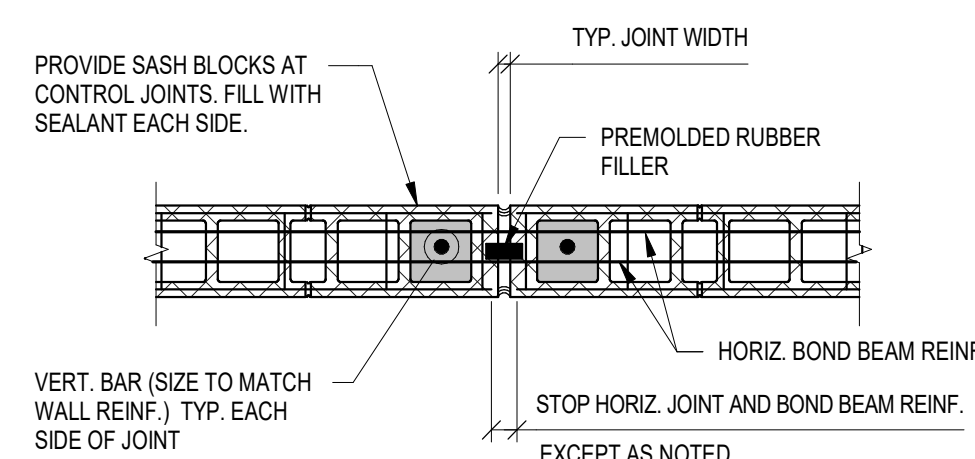
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- NOTES:**
1. PROVIDE (2) - VERTICAL BARS AT ALL CORNERS AND EDGES OF OPENINGS. BAR SIZE TO MATCH VERTICAL REINFORCING PER PLAN.
 2. ALL INTERSECTING MASONRY CORNERS SHALL BE TIED BY MASONRY BOND.
 3. GROUT MASONRY SOLID AT VERTICAL REINFORCING.

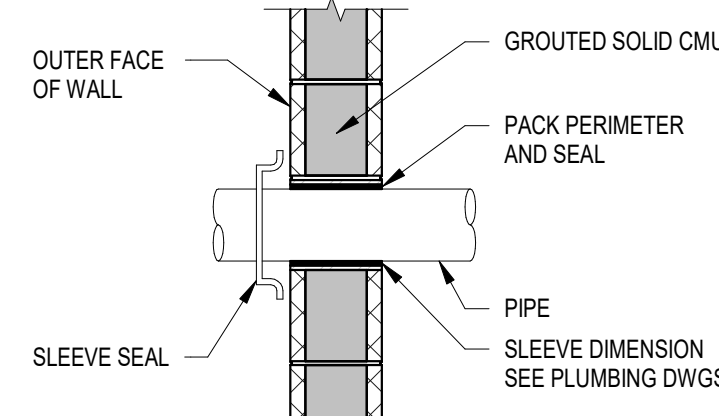


C2 TYP. BOND BEAM DETAIL AT CORNERS
 3/4" = 1'-0"



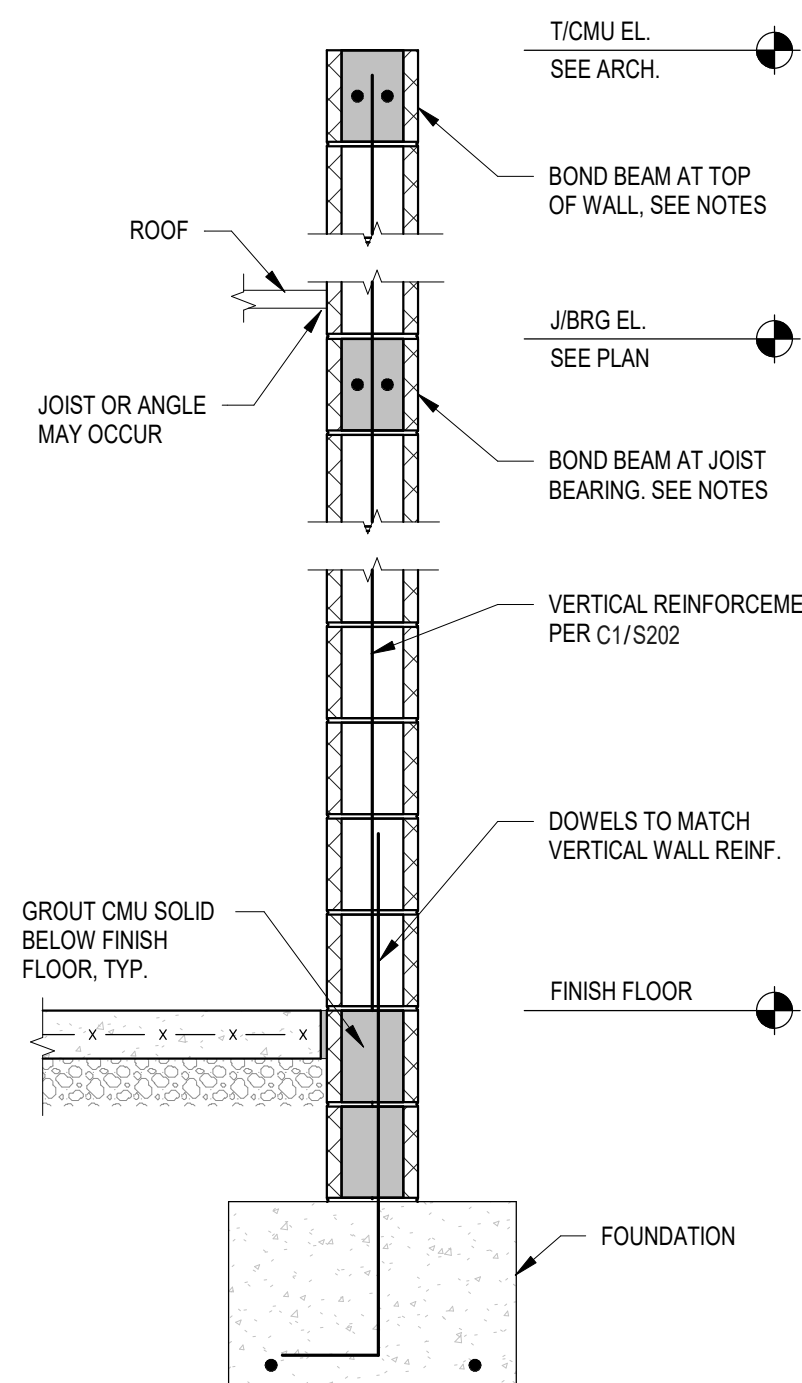
- NOTES:**
1. SEE PLANS FOR CONTROL JOINT LOCATIONS.
 2. DO NOT LOCATE JOINT WITHIN REINFORCED ELEMENTS SUCH AS COLUMNS, LINTELS, PIERS, PILASTERS OR OPENING JAMBS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.
 3. HORIZONTAL BOND BEAM WALL REINFORCING CONTINUES THROUGH JOINT AT JOIST BEARING ELEVATION.

C3 TYP. MASONRY CONTROL JOINT DETAIL
 3/4" = 1'-0"



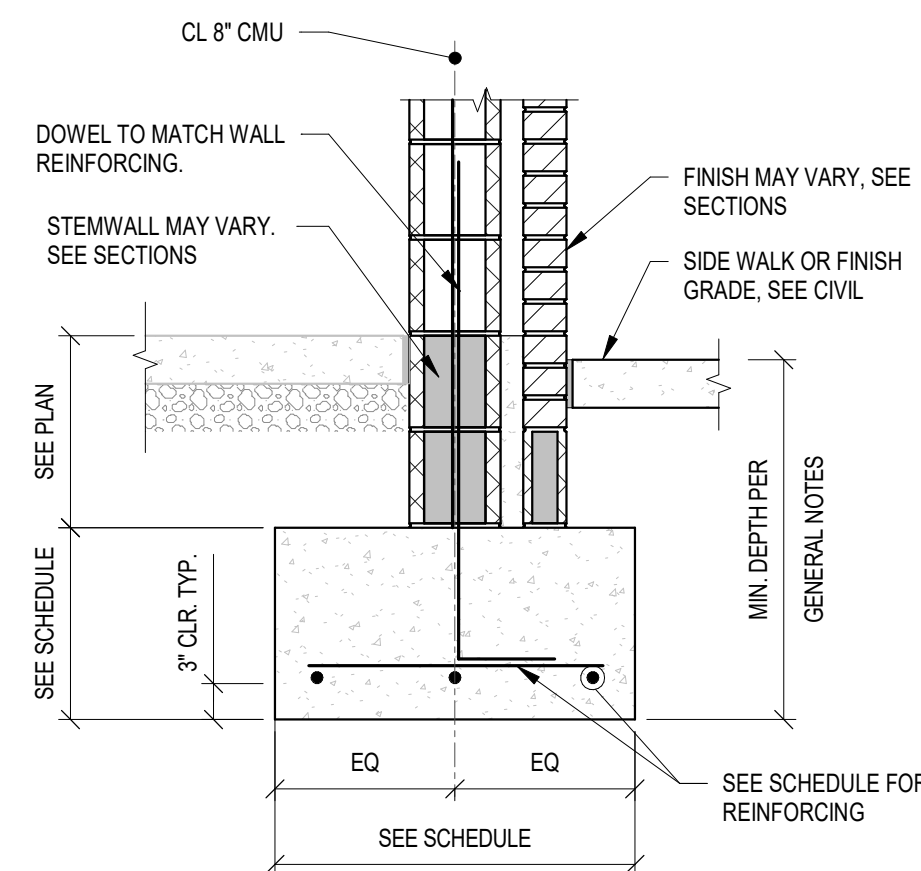
C4 TYP. SLEEVE DETAIL
 3/4" = 1'-0"

C1 TYP. MASONRY REINFORCEMENT DETAILS
 3/4" = 1'-0"

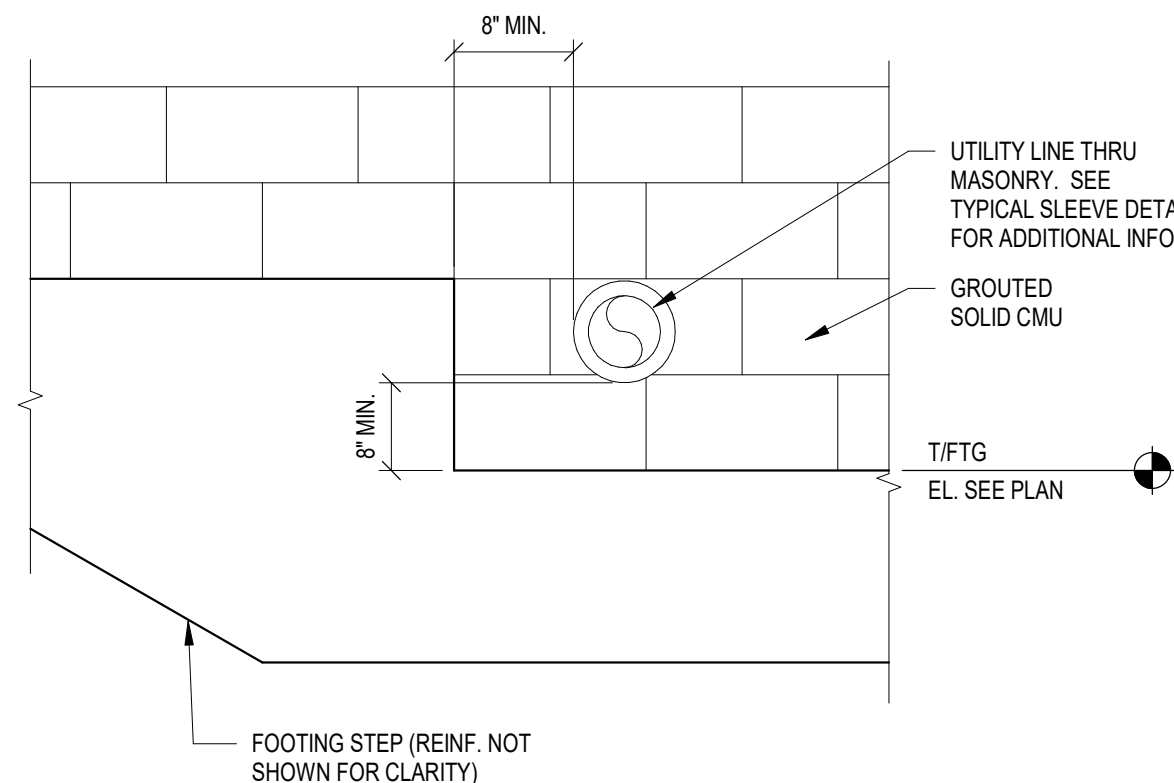


- NOTES:**
1. ALL BOND BEAMS SHALL BE 8" DEEP AND REINFORCED WITH (2) #5 CONTINUOUS BARS U.N.O.
 2. STEP BOND BEAM TO MATCH JOIST BEARING ELEVATION, WHERE THERE IS A CHANGE IN BOND BEAM ELEVATION, PROVIDE LAP BETWEEN BONDS BEAMS THROUGH 2 BARS OF VERTICAL REINFORCING OR 4 FEET, WHICHEVER IS GREATER.
 3. PROVIDE ADDITIONAL VERTICAL BARS AT CORNERS, EDGES OF OPENINGS, AND MASONRY PIERS PER TYPICAL DETAILS THIS SHEET.
 4. PROVIDE HORIZONTAL LADDER STYLE JOINT REINFORCING WITH 9 GAUGE SIDE AND CROSS RODS (GALVANIZED) SPACED AT 16" ON CENTER VERTICALLY. HORIZONTAL JOINT REINFORCING SHALL BE LAPPED A MINIMUM OF (2) CROSS BARS OR 6", WHICHEVER IS GREATER.
 5. PROVIDE LINTELS ABOVE OPENINGS PER ROOF FRAMING PLAN.
 6. PROVIDE BOND BEAM BELOW ALL WINDOW SILLS. BOND BEAM REINFORCING SHALL EXTEND 24" MIN. PAST EACH SIDE OF OPENING.
 7. GROUT MASONRY SOLID AT ALL CELLS CONTAINING VERTICAL OR HORIZONTAL REINFORCING AND AT LOCATIONS INDICATED IN SECTIONS AND DETAILS.
 8. SEE TYPICAL DETAILS THIS SHEET FOR ADDITIONAL INFORMATION.

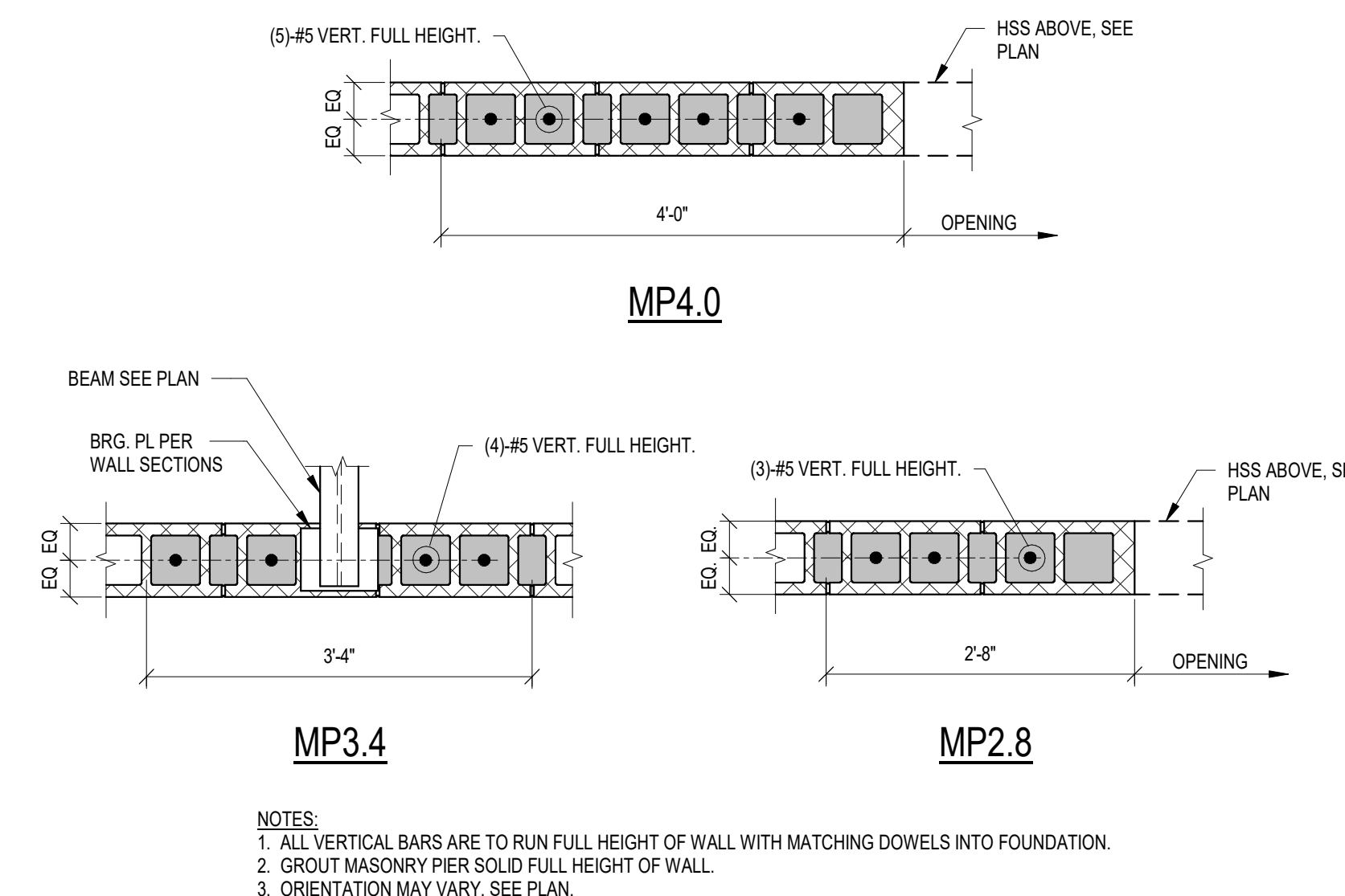
B1 TYPICAL CMU WALL REINFORCING
 3/4" = 1'-0"



B3 TYPICAL WALL FOOTING DETAIL
 3/4" = 1'-0"

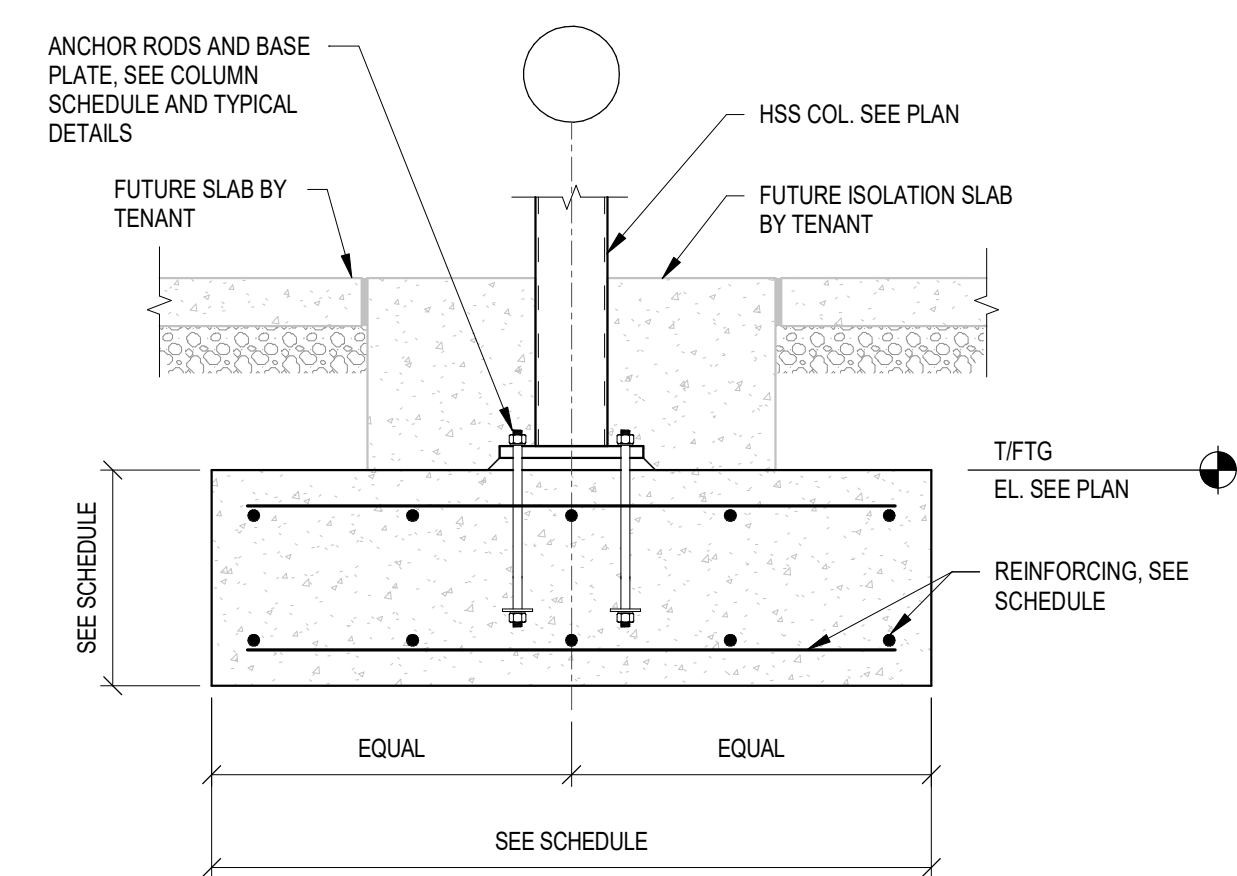


B4 TYP. UTILITY LINE THROUGH STEM WALL
 3/4" = 1'-0"

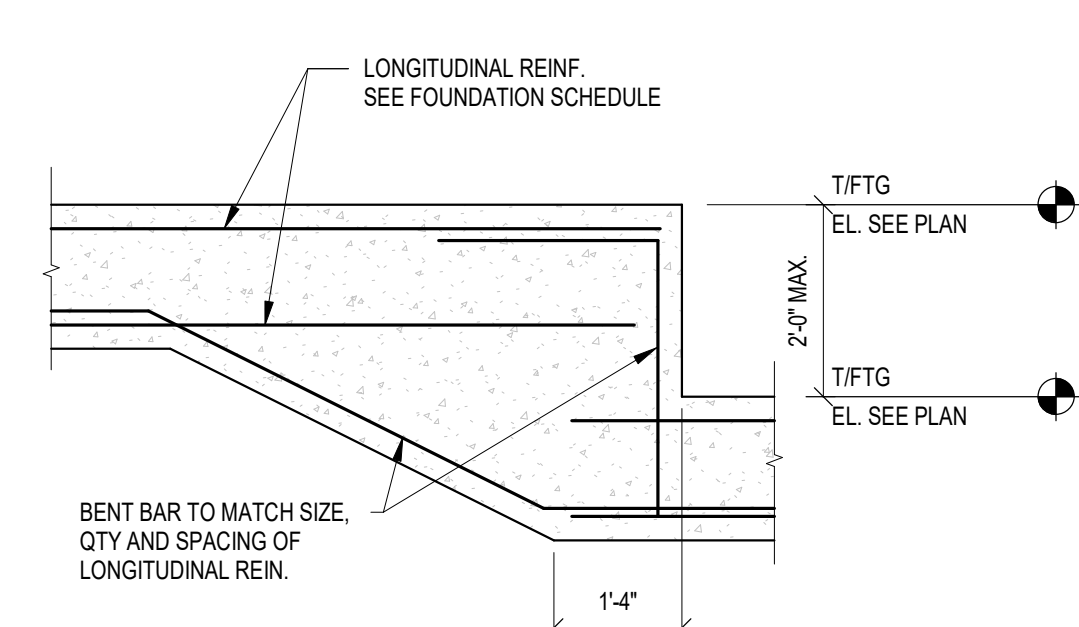


- NOTES:**
1. ALL VERTICAL BARS ARE TO RUN FULL HEIGHT OF WALL WITH MATCHING DOWELS INTO FOUNDATION.
 2. GROUT MASONRY PIER SOLID FULL HEIGHT OF WALL.
 3. ORIENTATION MAY VARY, SEE PLAN.

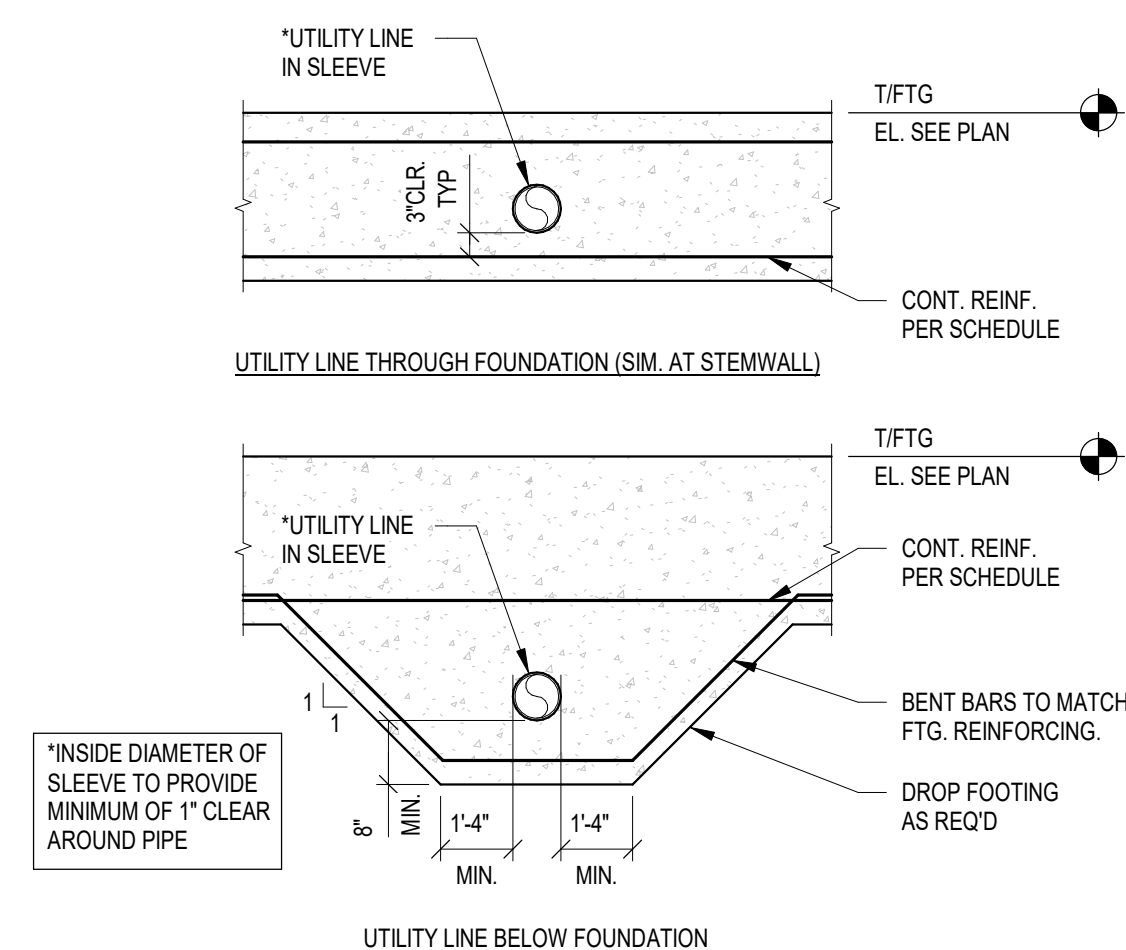
B5 MASONRY PIER DETAILS
 3/4" = 1'-0"



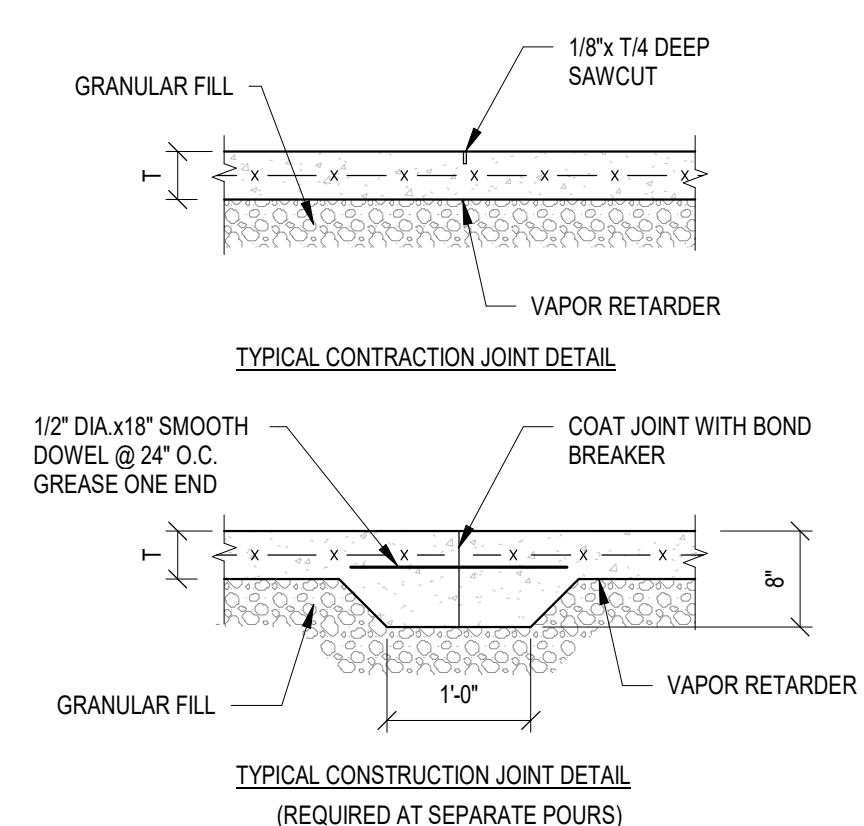
A1 TYPICAL INTERIOR COLUMN FOOTING
 3/4" = 1'-0"



A2 TYP. FOOTING STEP DETAIL
 1/2" = 1'-0"

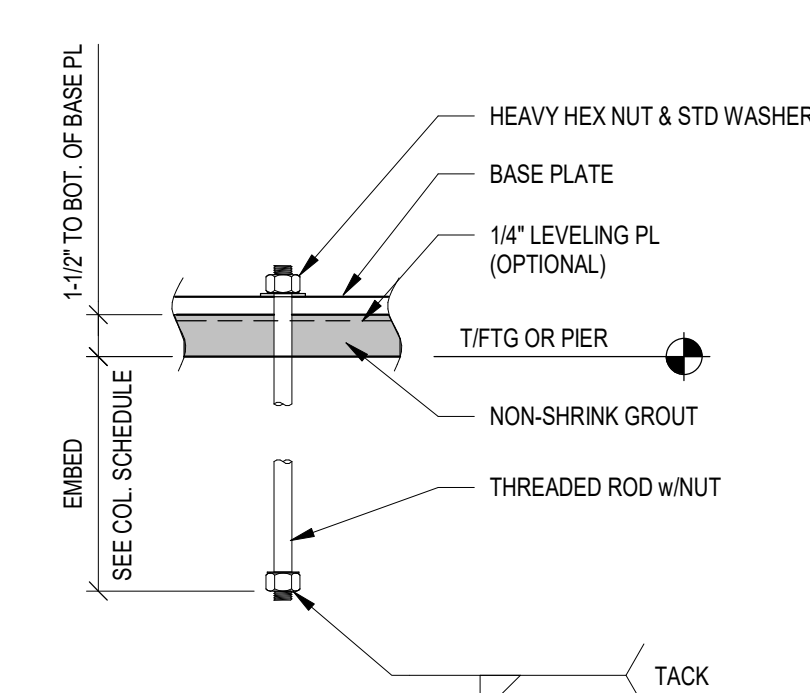


A3 TYP. UTILITY THROUGH FOUNDATION
 1/2" = 1'-0"



- NOTE:** PROVIDE SAWCUT CONTRACTION OR CONSTRUCTION JOINTS IN SLAB SPACED AT A MAXIMUM OF 12'-0" O.C. IN BOTH DIRECTIONS WITH A MAXIMUM LENGTH TO WIDTH RATIO OF 2:1. JOINTS SHALL ALIGN WITH DIAMOND ISOLATION SLABS AT COLUMN LOCATIONS.

A4 TYP. SLAB JOINT DETAILS
 3/4" = 1'-0"



A5 TYP. ANCHOR ROD DETAIL
 3/4" = 1'-0"

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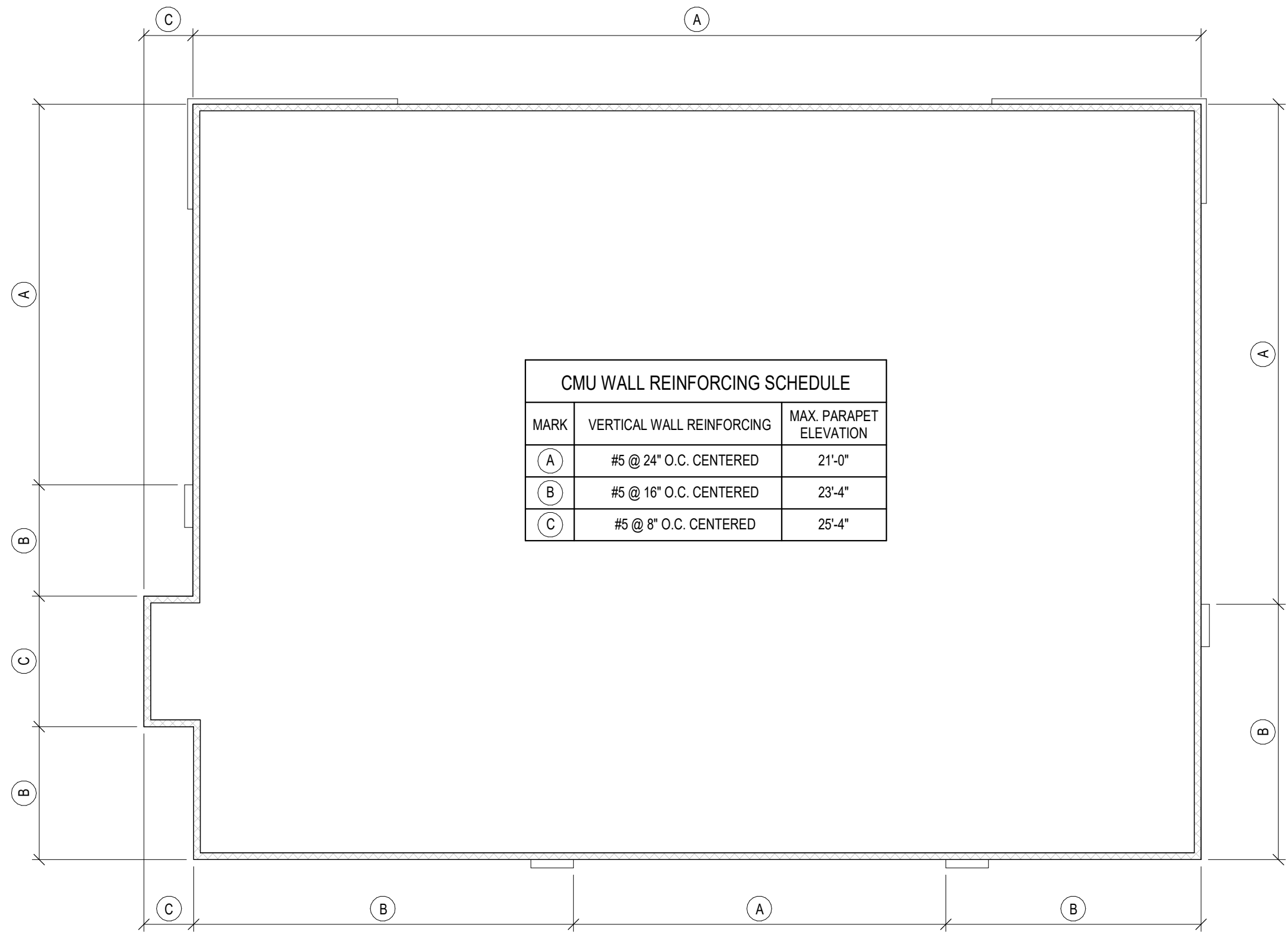
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TYPICAL FOUNDATION AND MASONRY DETAILS

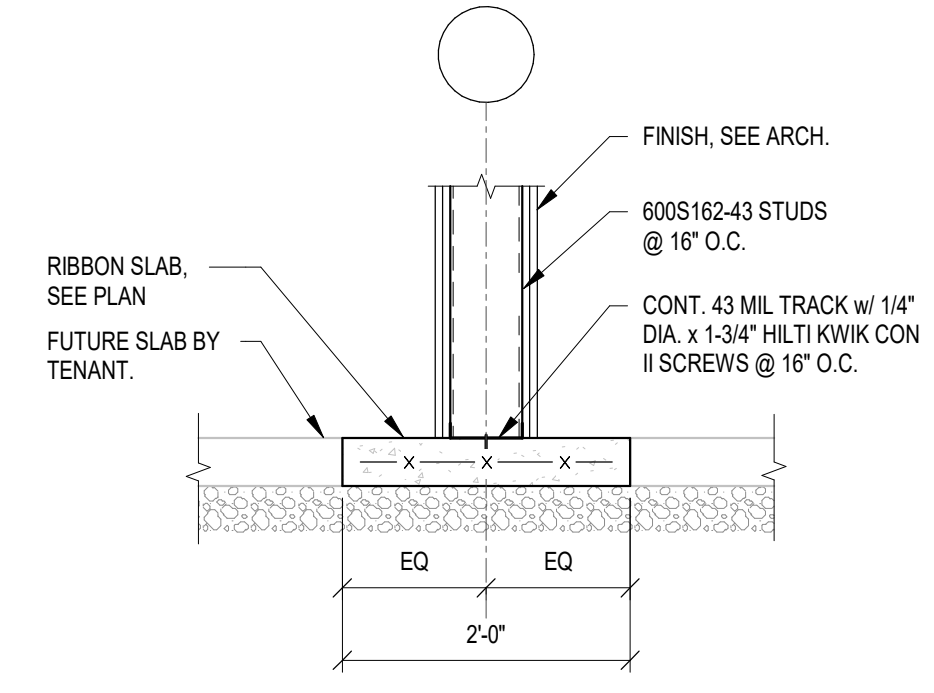
S201

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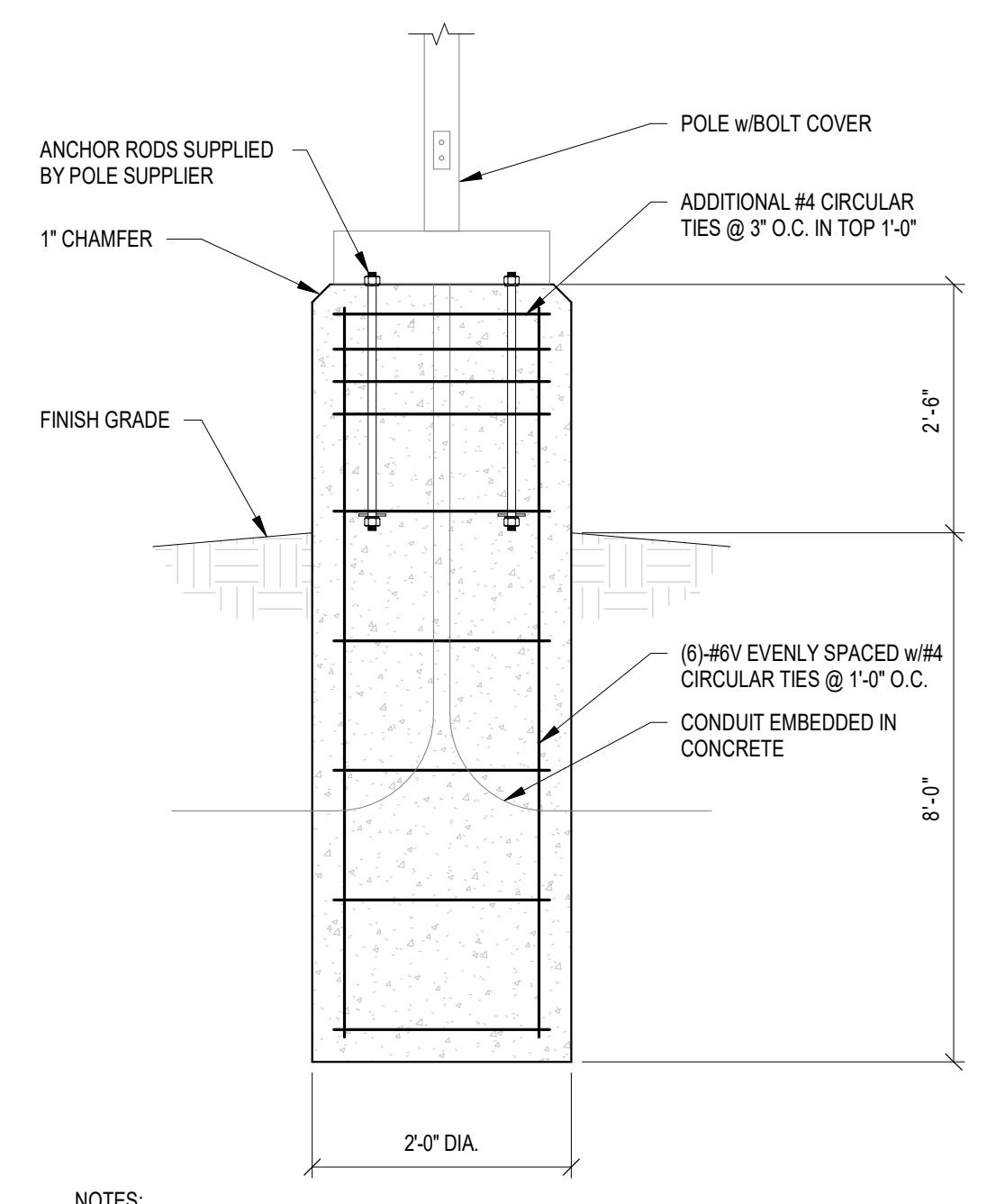


NOTES:
 • SEE FOUNDATION PLANS FOR ADDITIONAL REINFORCING AT PIERS.
 • SEE TYPICAL DETAILS ON S201 FOR ADDITIONAL INFORMATION INCLUDING REINFORCING AT OPENINGS.

C1 CMU WALL REINFORCING PLAN
 3/32" = 1'-0"



C3 SECTION
 3/4" = 1'-0"

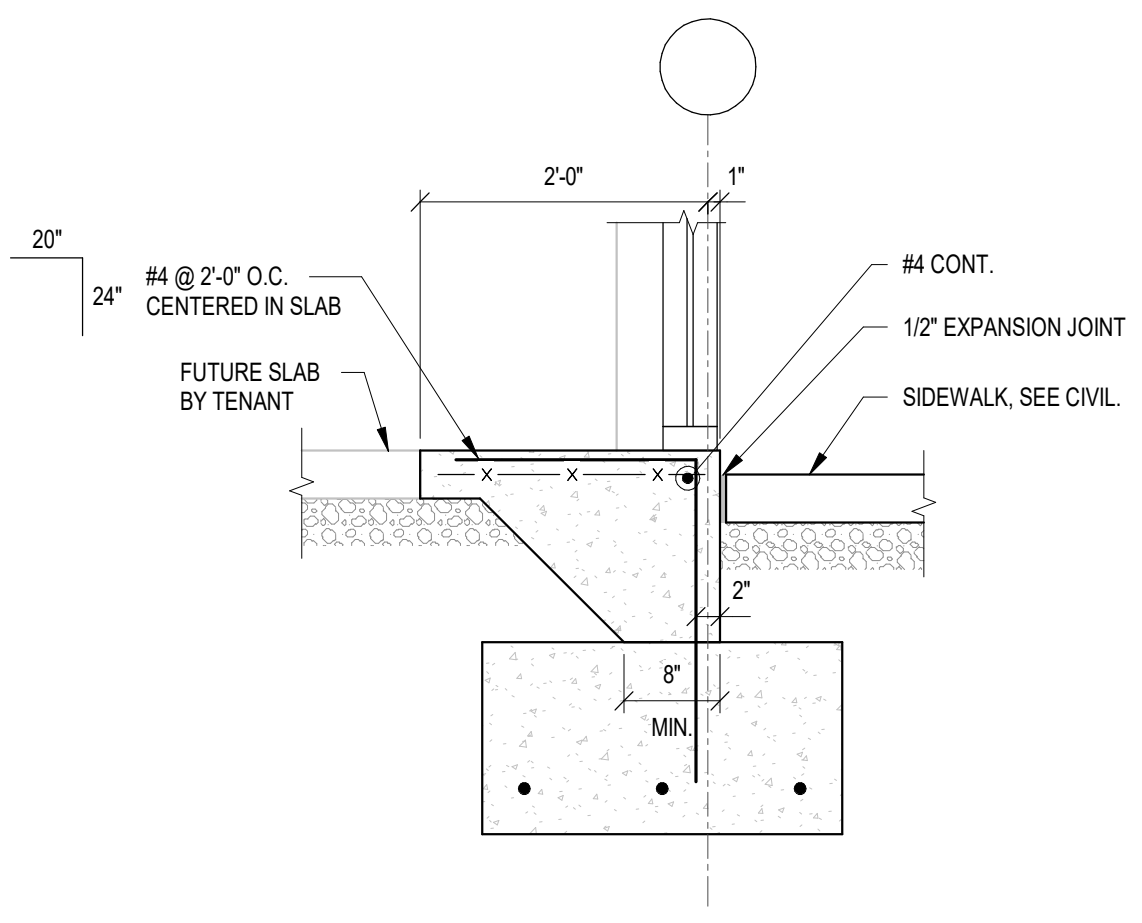


NOTES:
 RUB CONCRETE TO REMOVE SONOTUBE FORM LINES AND FILL ALL HOLES FOR SMOOTH FINISH. WEATHERSEAL ALL EXPOSED CONCRETE.
 COORDINATE ANCHOR ROD LAYOUT AND EMBEDMENT w/ POLE SUPPLIER
 COORDINATE WITH CIVIL AND PHOTOMETRIC DRAWINGS FOR EXACT LOCATIONS AND QUANTITY

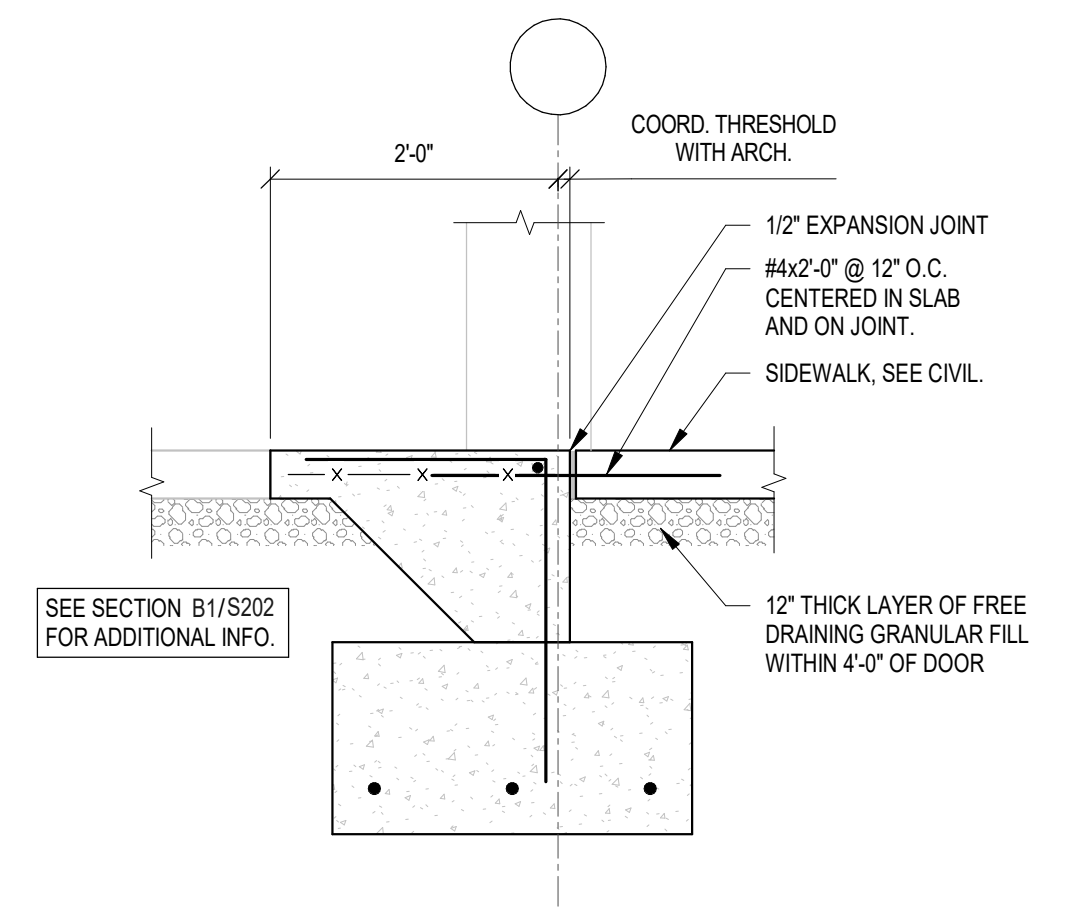
C4 TYPICAL LIGHT POLE BASE DETAIL
 3/4" = 1'-0"

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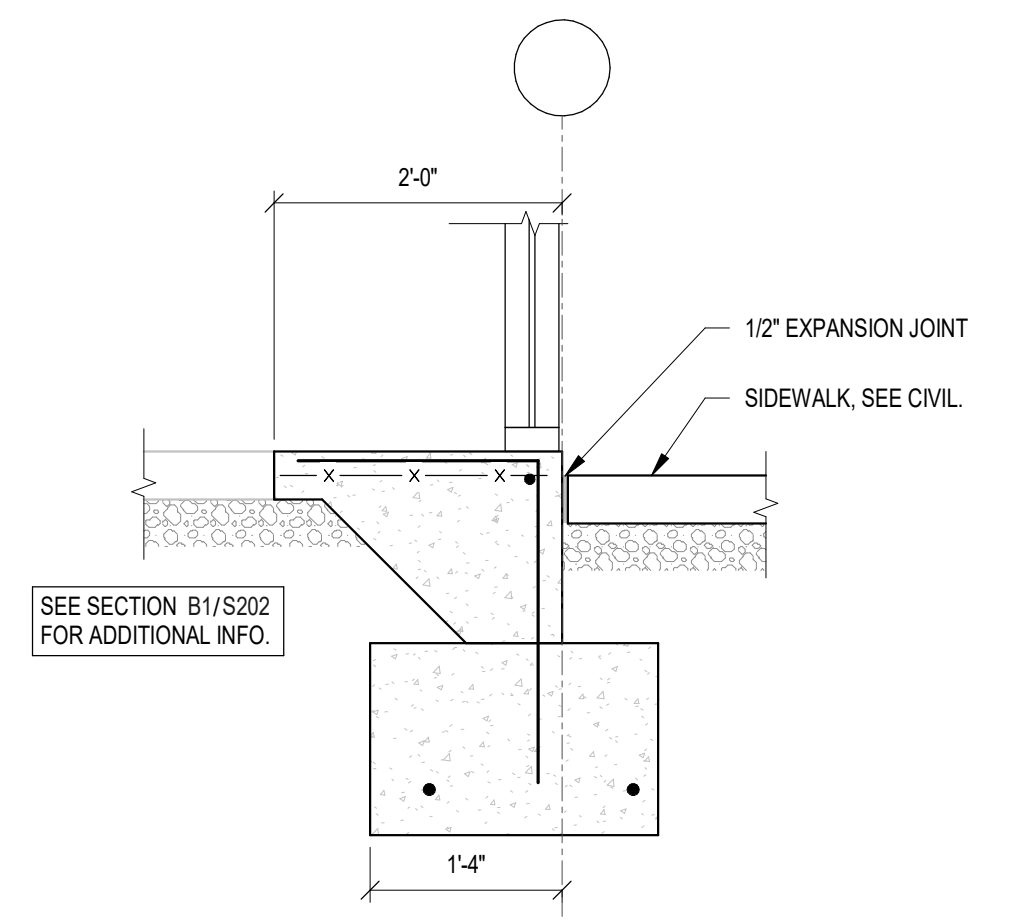
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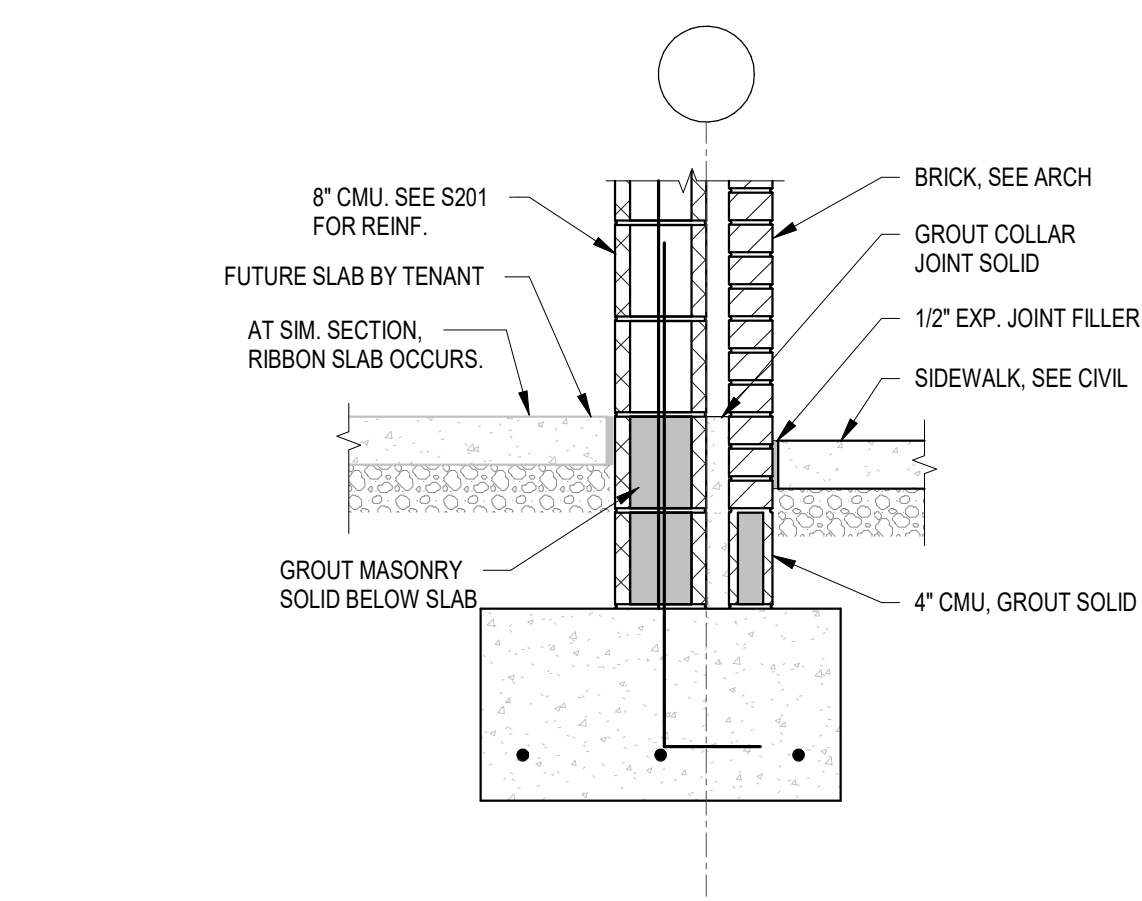
B1 SECTION
 3/4" = 1'-0"



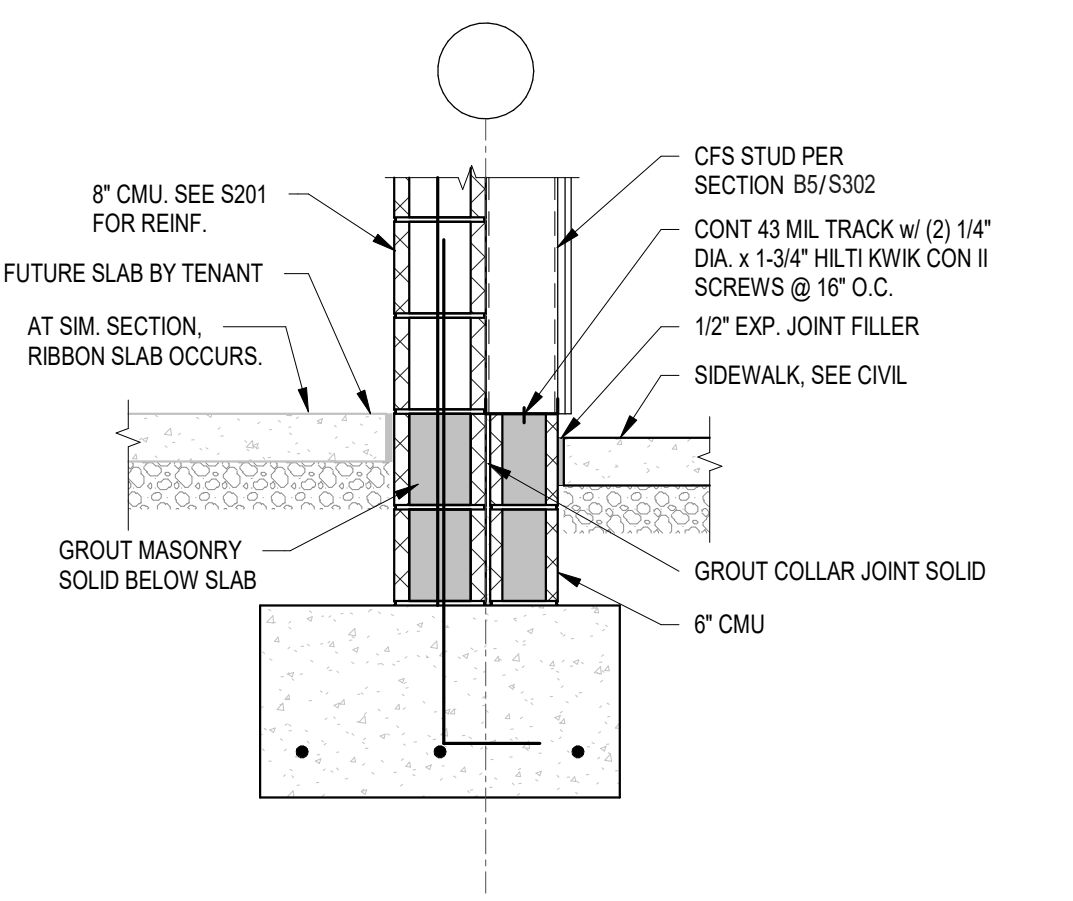
B2 SECTION
 3/4" = 1'-0"



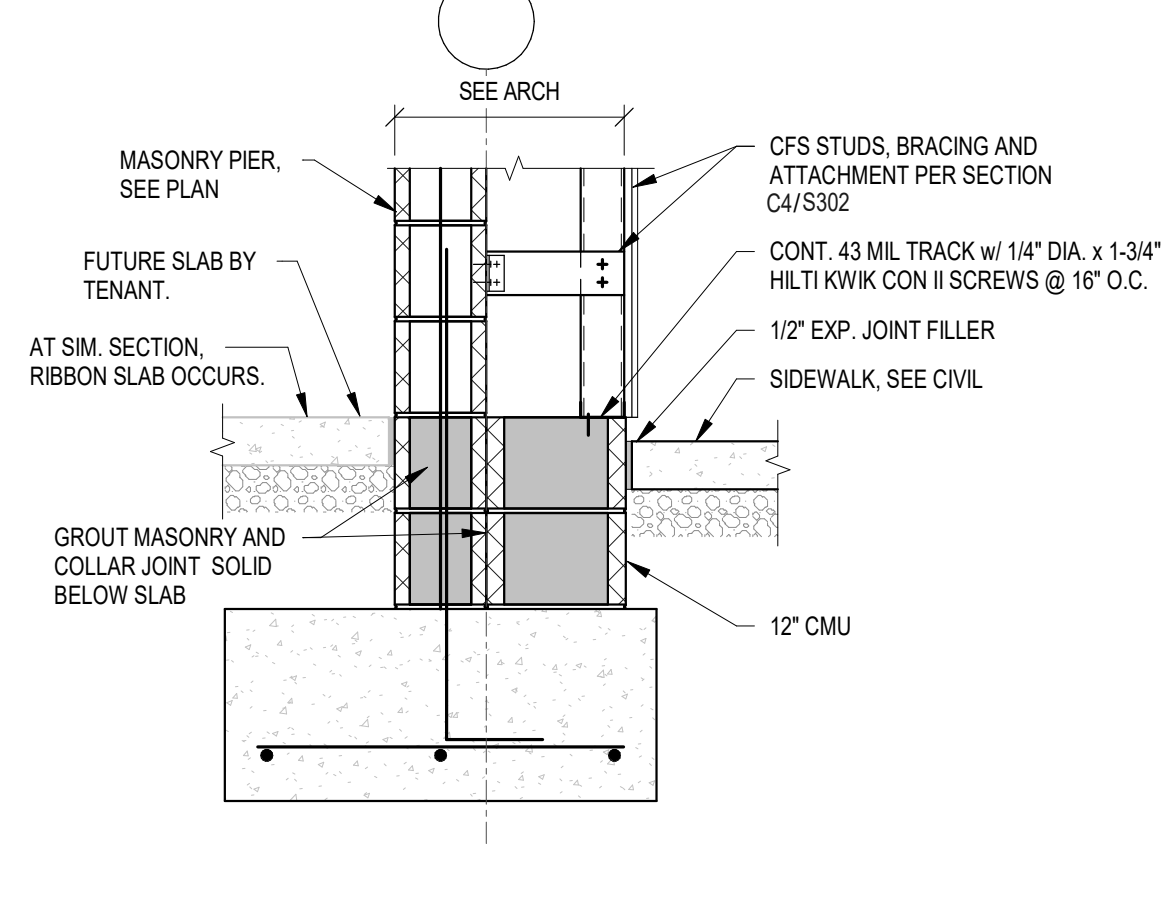
B3 SECTION
 3/4" = 1'-0"



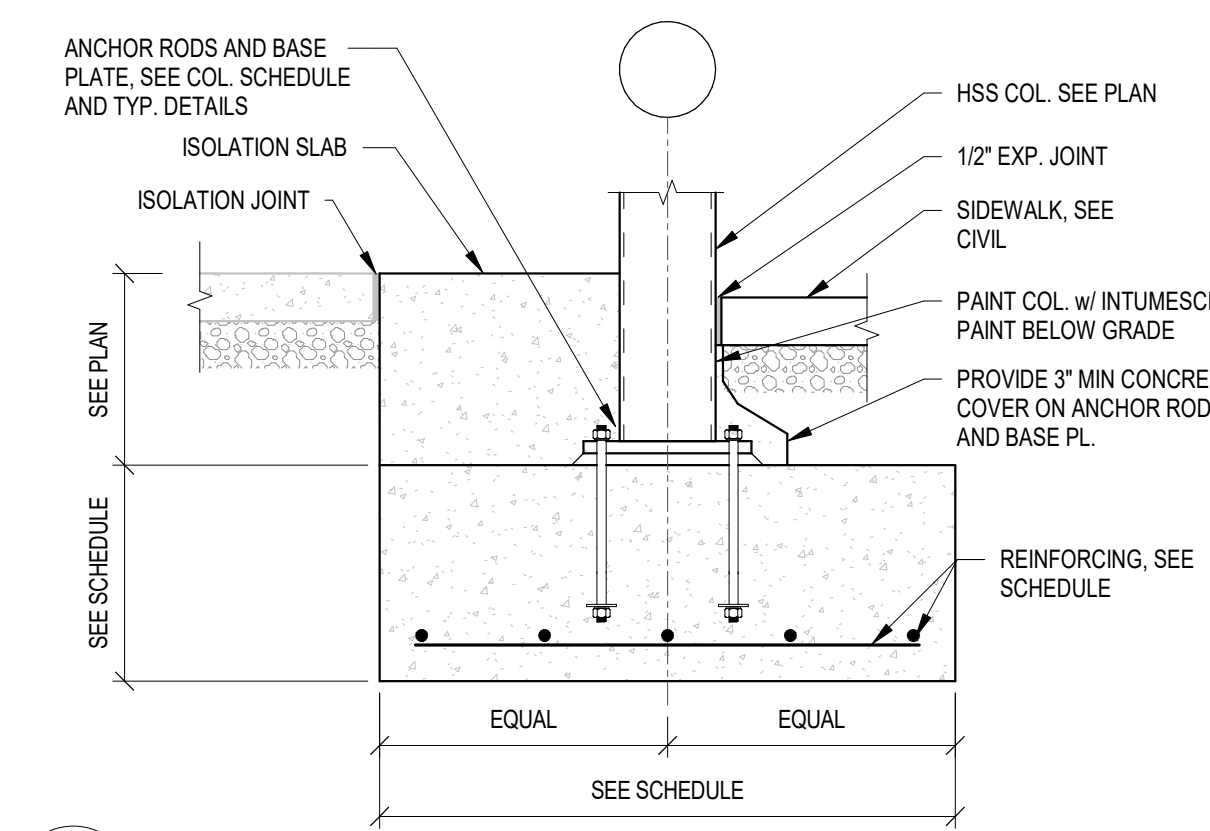
A1 SECTION
 3/4" = 1'-0"



A2 SECTION
 3/4" = 1'-0"



A3 SECTION
 3/4" = 1'-0"



A4 SECTION
 3/4" = 1'-0"

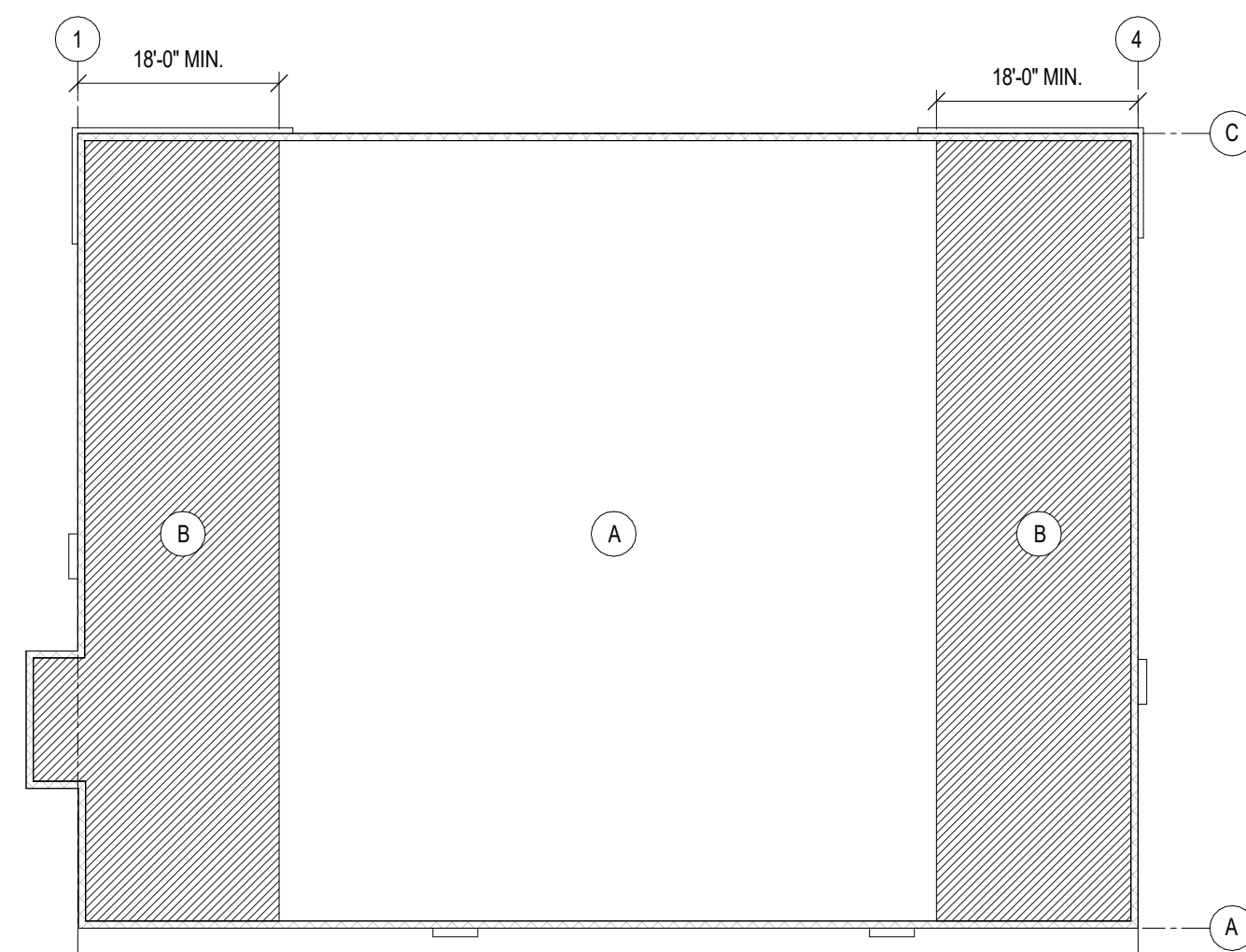
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FOUNDATION SECTIONS AND DETAILS

S202

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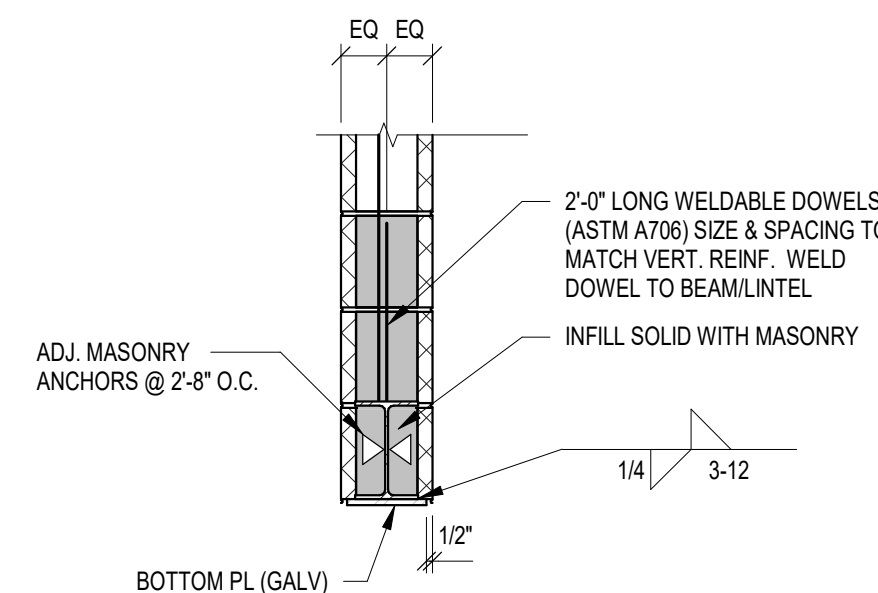


DECK FASTENING SCHEDULE		
MARK	WELDS TO SUPPORT STEEL	SIDELAP FASTENERS (EACH SPAN)
A	36/4 PATTERN	(2) #10
B	36/7 PATTERN	(4) #10

NOTES:
 • ALL WELDS TO BE 5/8" PUDDLE WELDS
 • SIDELAP FASTENERS TO BE EVENLY SPACED BETWEEN SUPPORTS

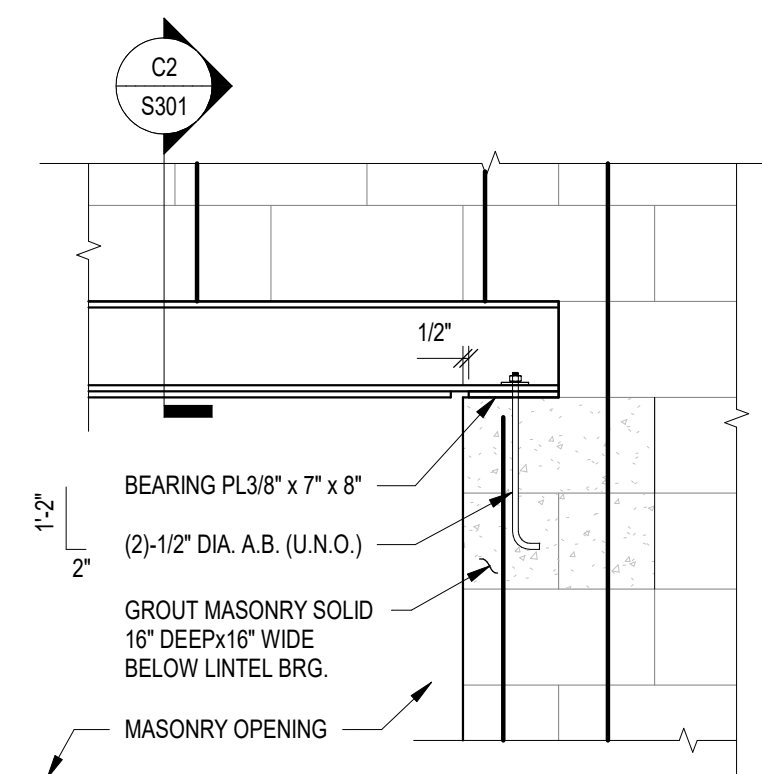
D1 ROOF DECK FASTENING

1/16" = 1'-0"



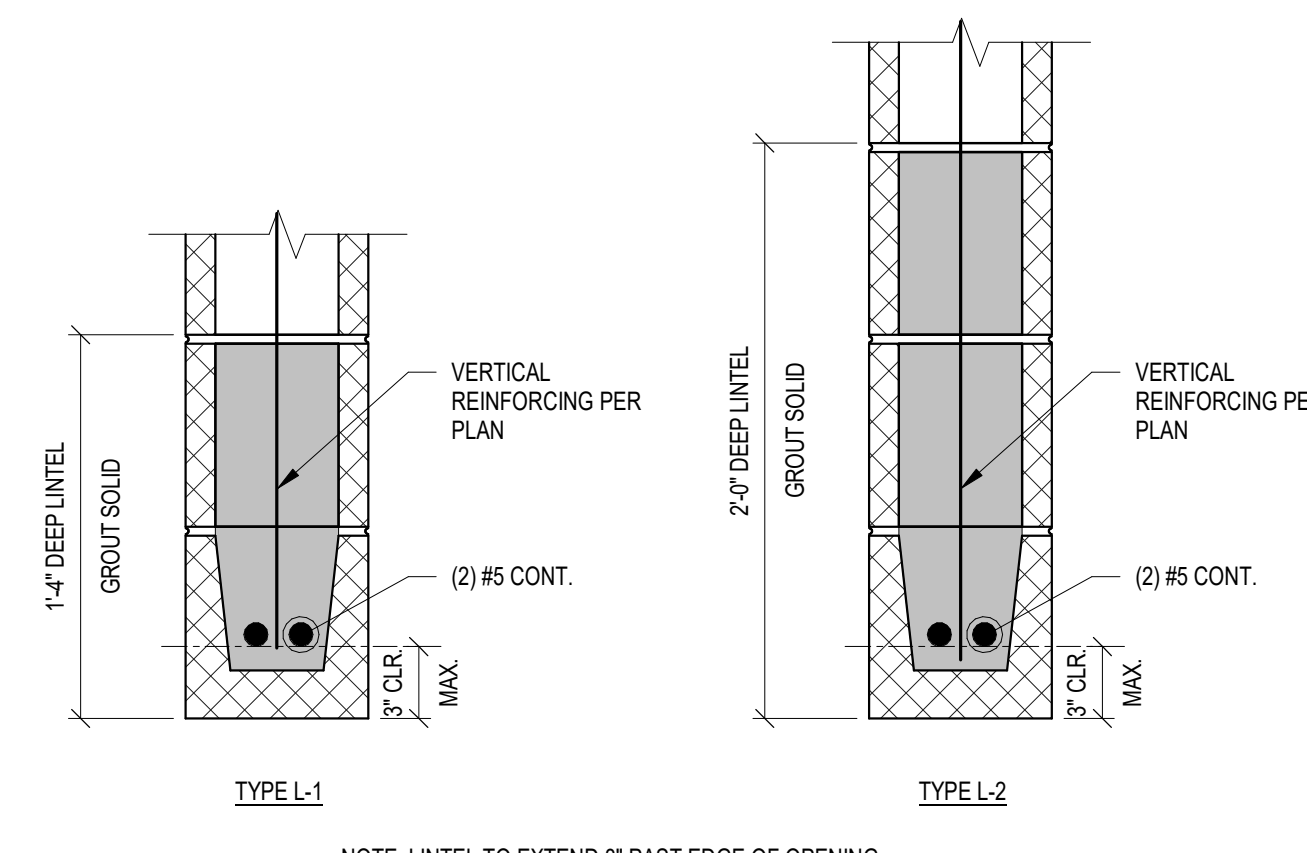
C2 TYP. WIDE FLANGE LINTEL DETAIL

3/4" = 1'-0"



C3 TYP. WF LINTEL BEARING DETAIL

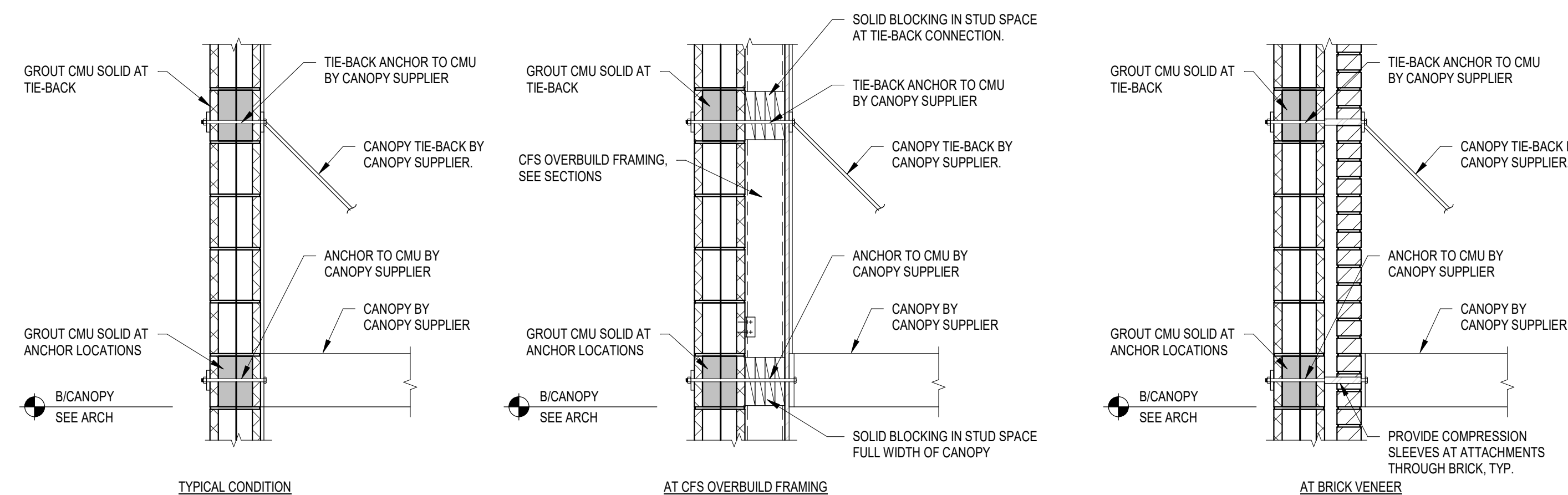
3/4" = 1'-0"



C4 MASONRY LINTEL DETAILS

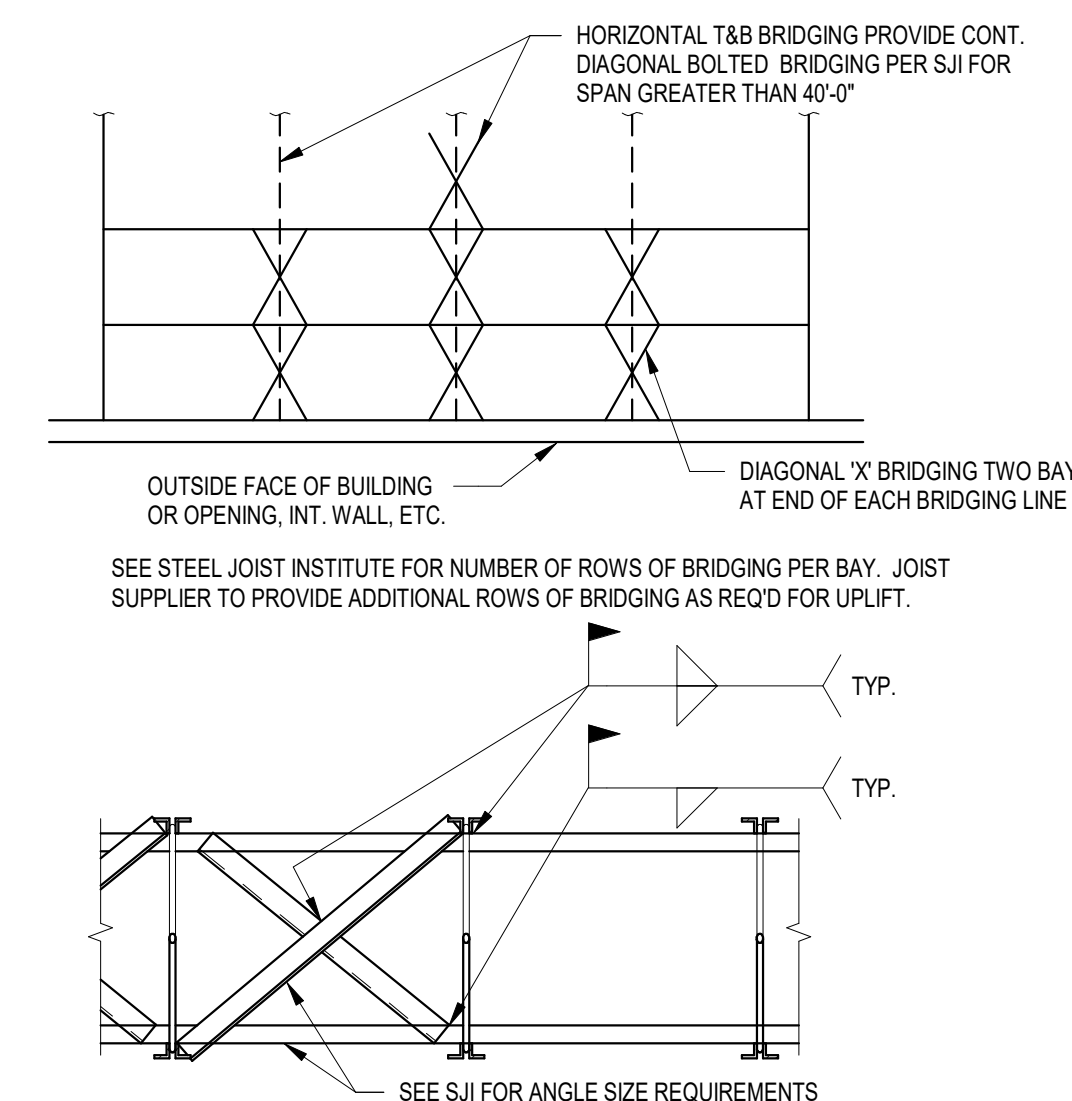
1/12" = 1'-0"

NOTE: LINTEL TO EXTEND 8" PAST EDGE OF OPENING



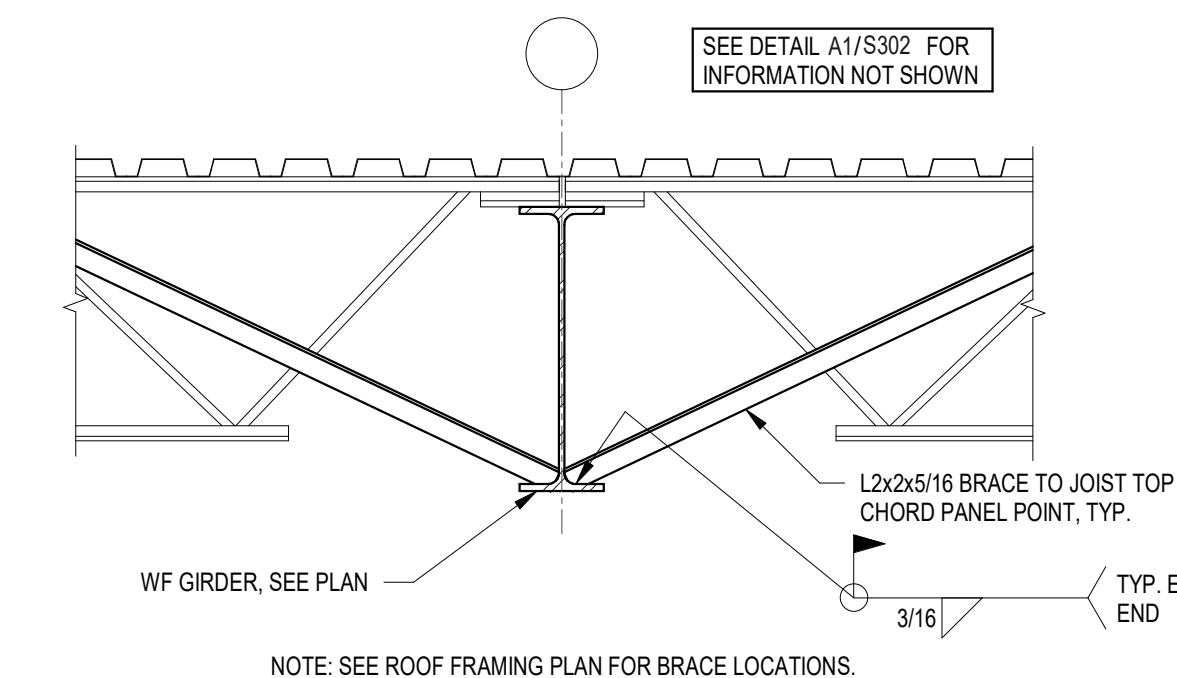
B1 SECTION

3/4" = 1'-0"



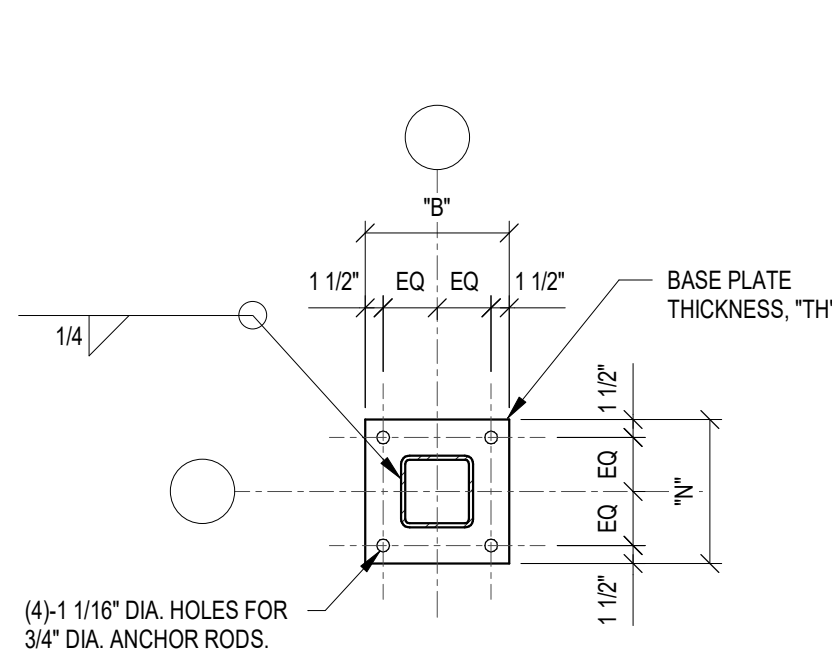
B3 TYP. JOIST BRIDGING DETAILS

3/4" = 1'-0"



B4 TYP GIRDER BOT. FLANGE BRACE

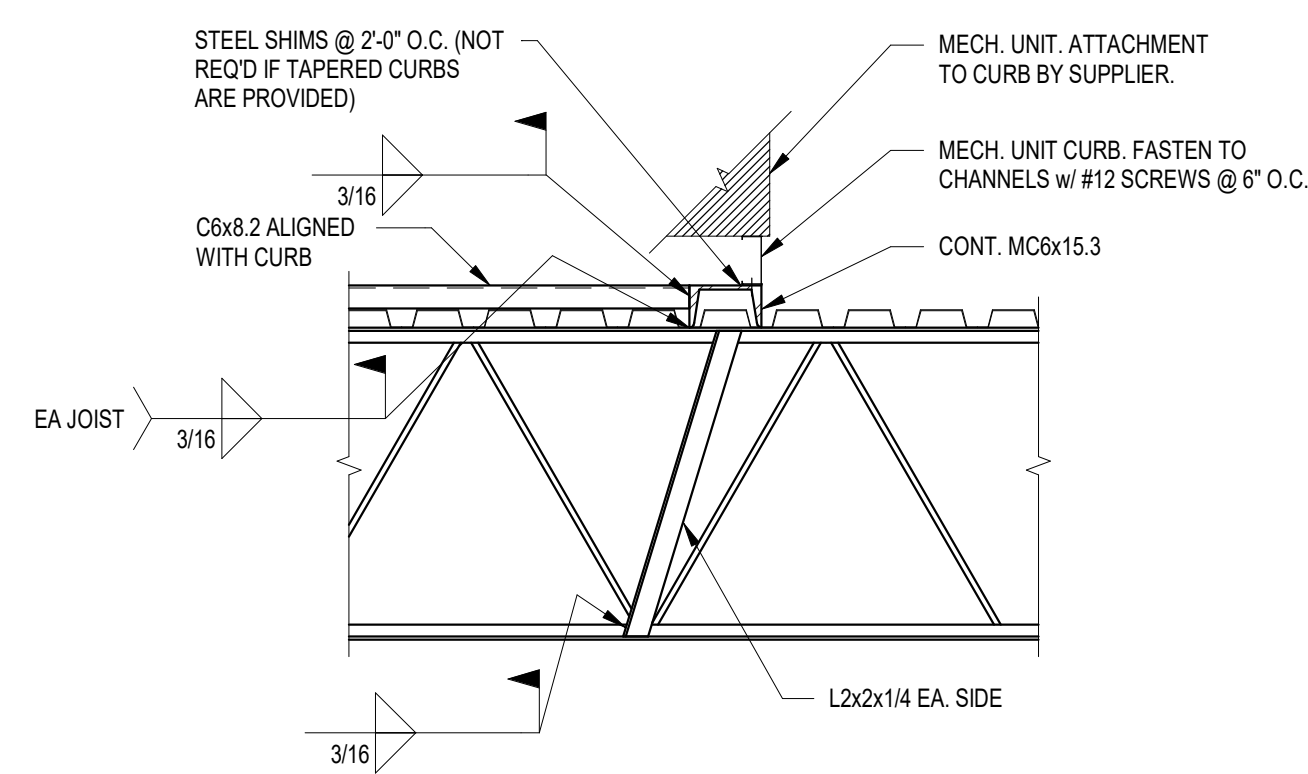
3/4" = 1'-0"



NOTE: SEE COLUMN SCHEDULE ON S111A AND S111B FOR DIMENSIONS.

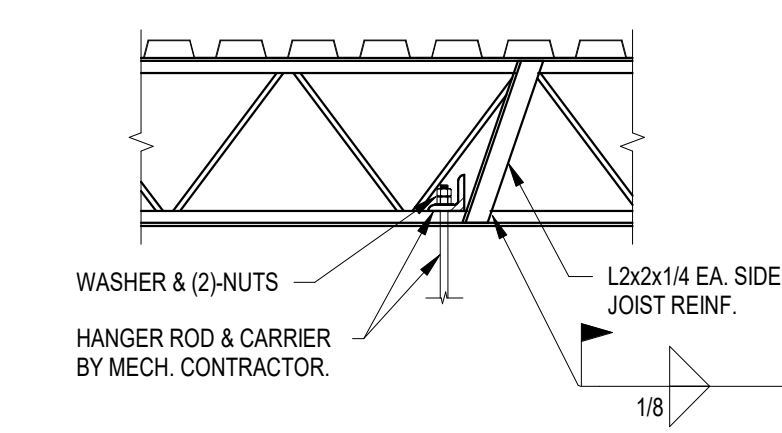
A1 TYPICAL BASE PLATE DETAIL

3/4" = 1'-0"



A2 TYP. ROOFTOP MECH'L UNIT SUPPORT DETAIL

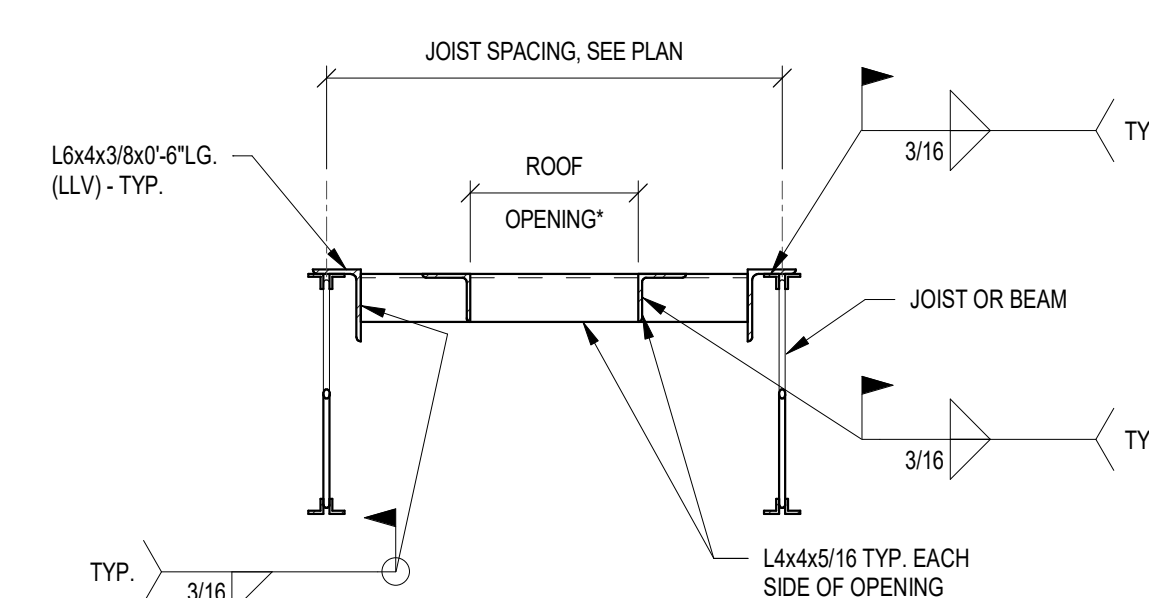
3/4" = 1'-0"



NOTE: WHEN A CONCENTRATED LOAD OCCURS BETWEEN CHORD PANEL POINTS, PROVIDE ANGLE REINFORCEMENT AS SHOWN IF THE APPLIED LOAD EXCEEDS 100 LBS. IF MULTIPLE CONCENTRATED LOADS OCCUR BETWEEN CHORD PANEL POINTS, THE SUM OF THE CONCENTRATED LOADS SHALL NOT EXCEED 100 LBS.

A3 TYP. MECH'L/PLUMBING HANGER SUPPORT DETAIL

3/4" = 1'-0"



*ANGLES REQ'D FOR ALL ROOF OPENINGS 12" OR GREATER. COORD. OPENING SIZES AND LOCATIONS WITH ARCHITECT & MECHANICAL CONTRACTOR.

A4 TYP. ROOF OPENING DETAIL

3/4" = 1'-0"

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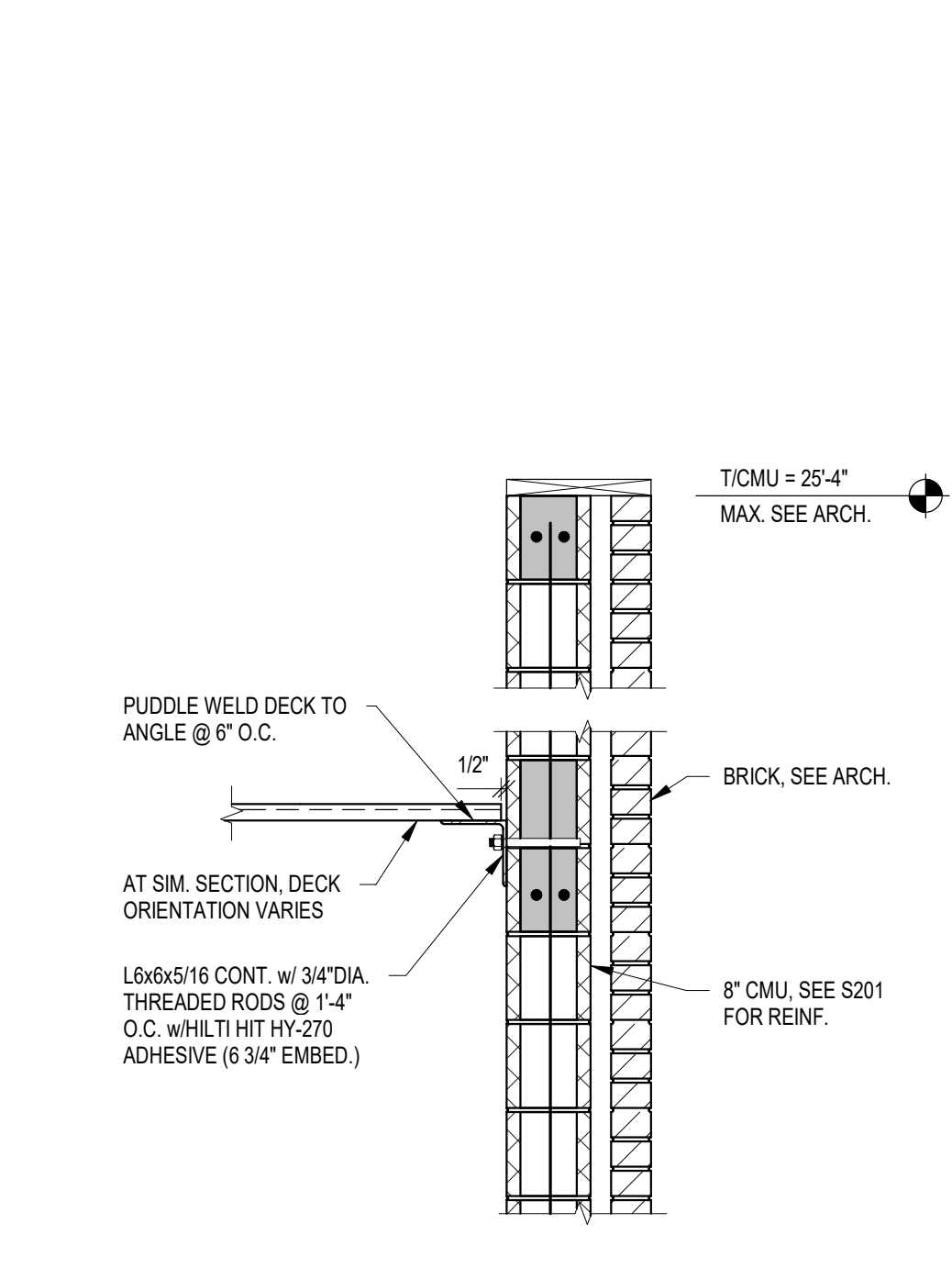
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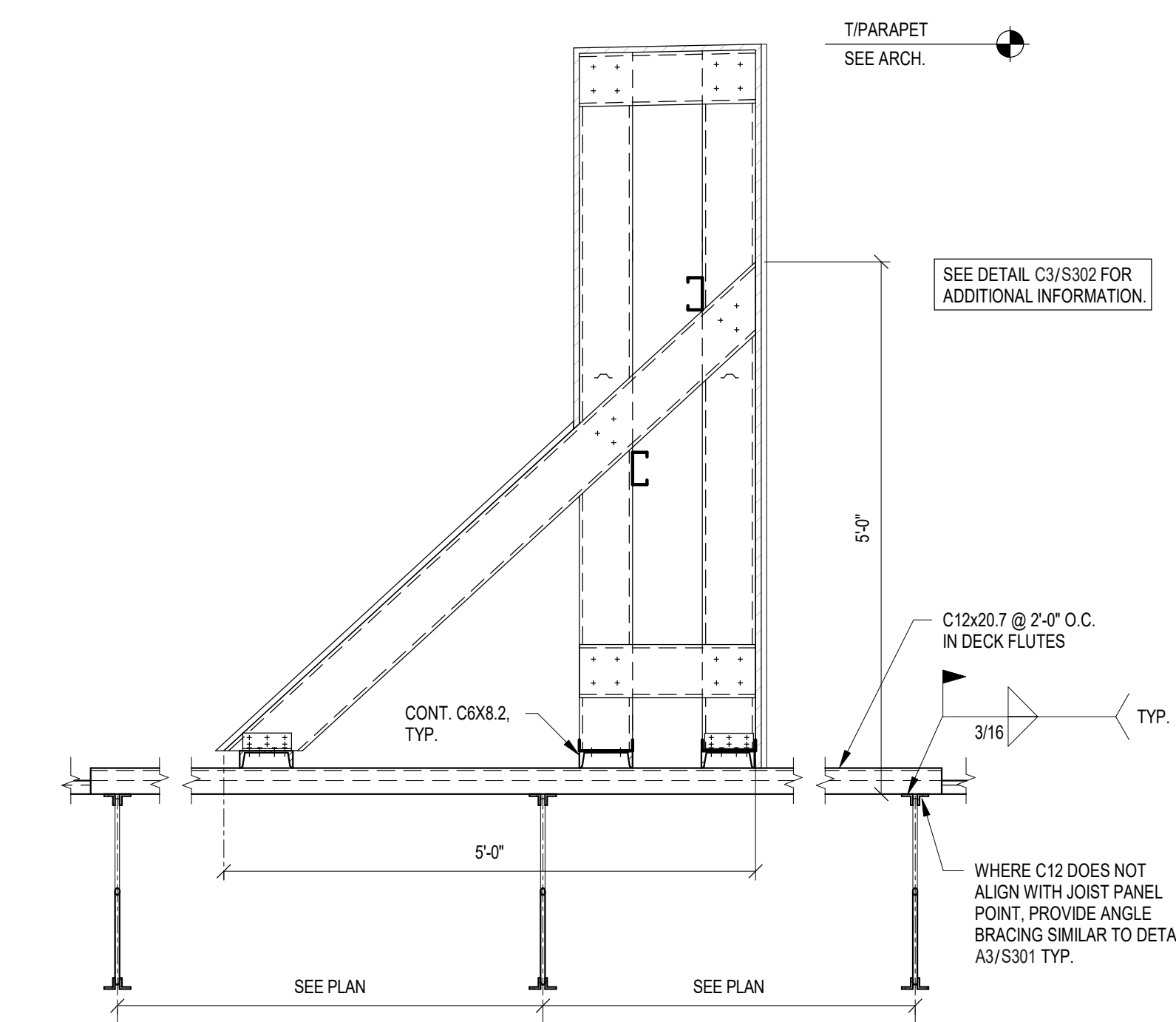
TYPICAL FRAMING DETAILS

S301

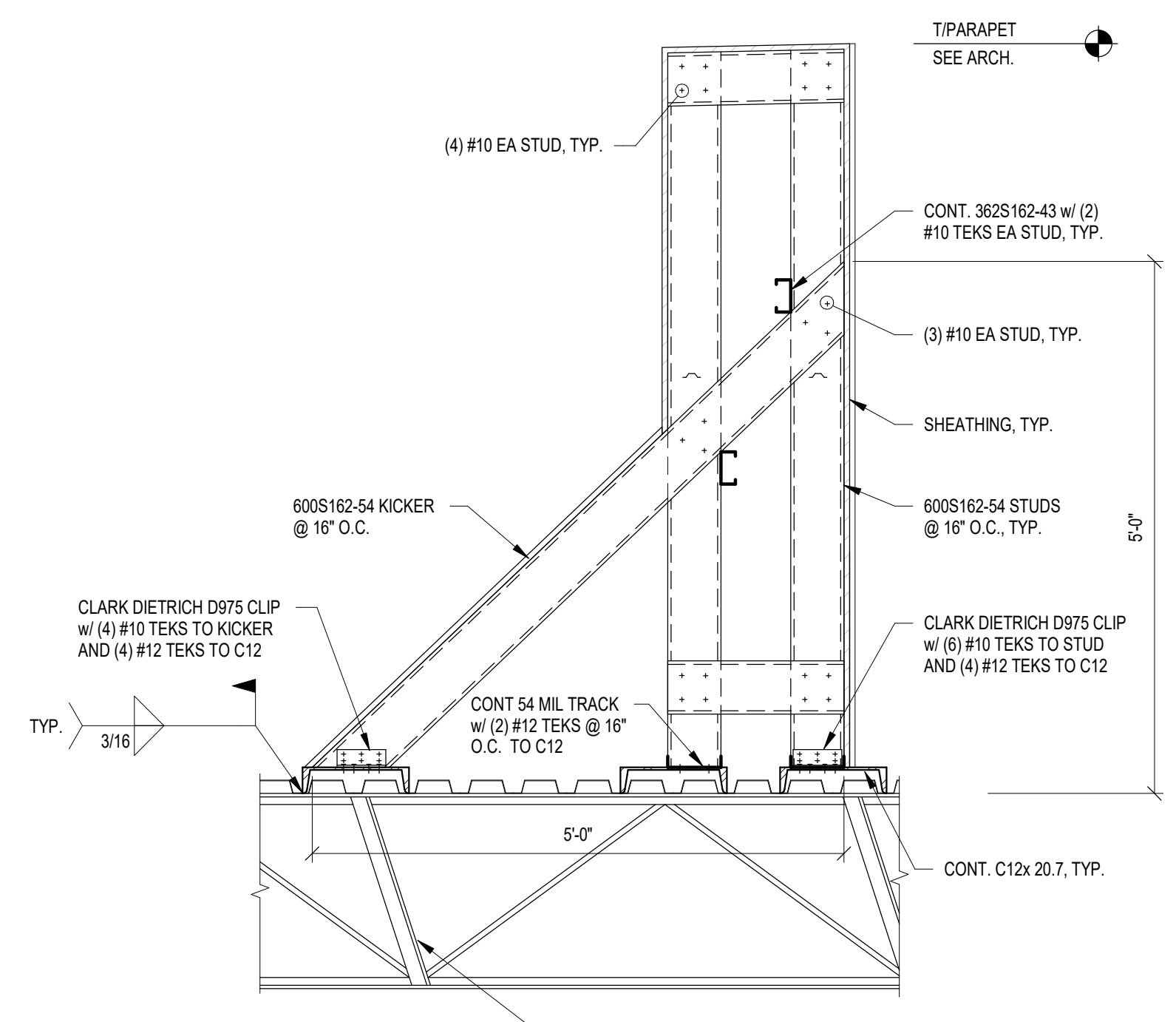
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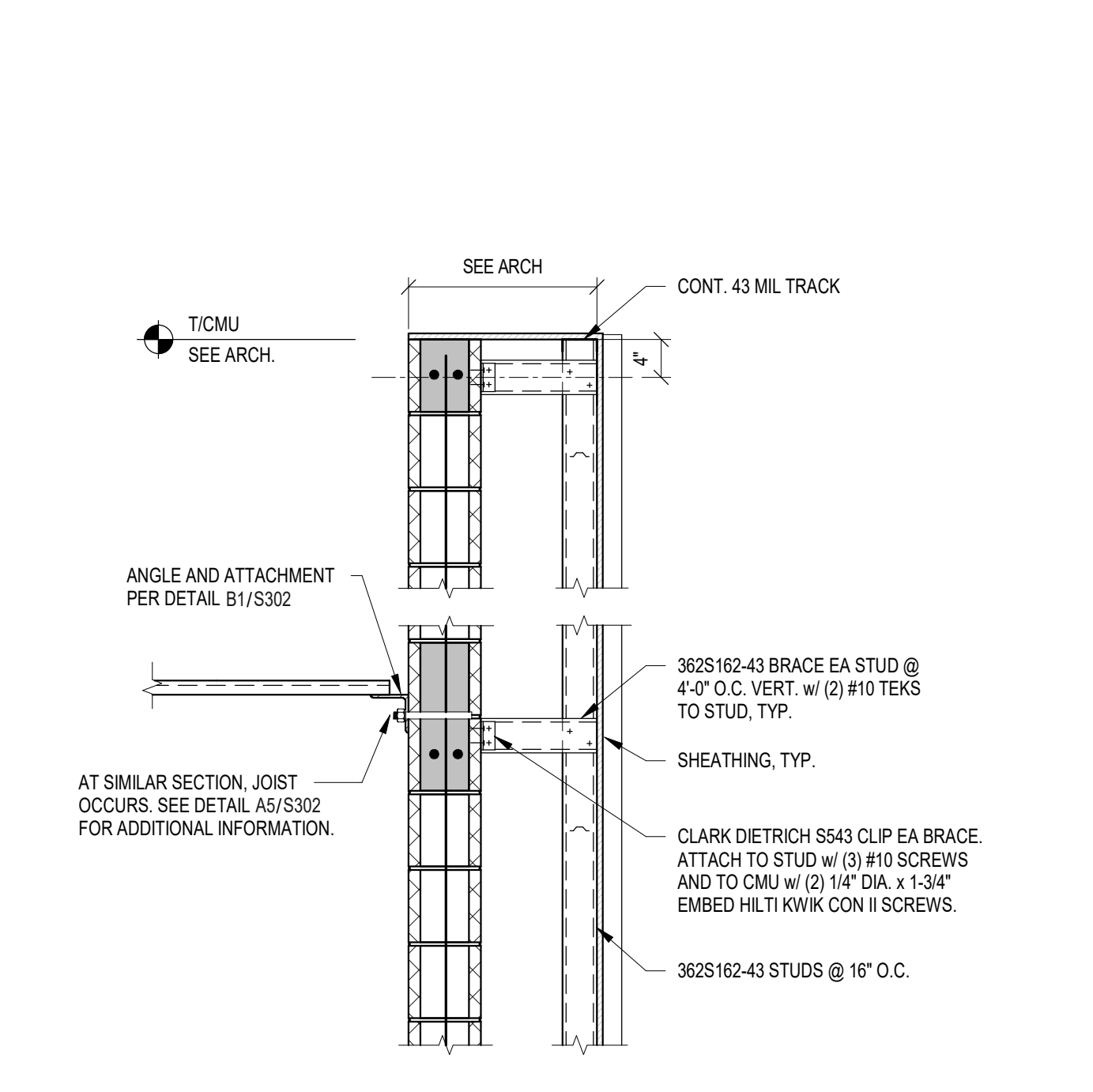
C1 SECTION
3/4" = 1'-0"



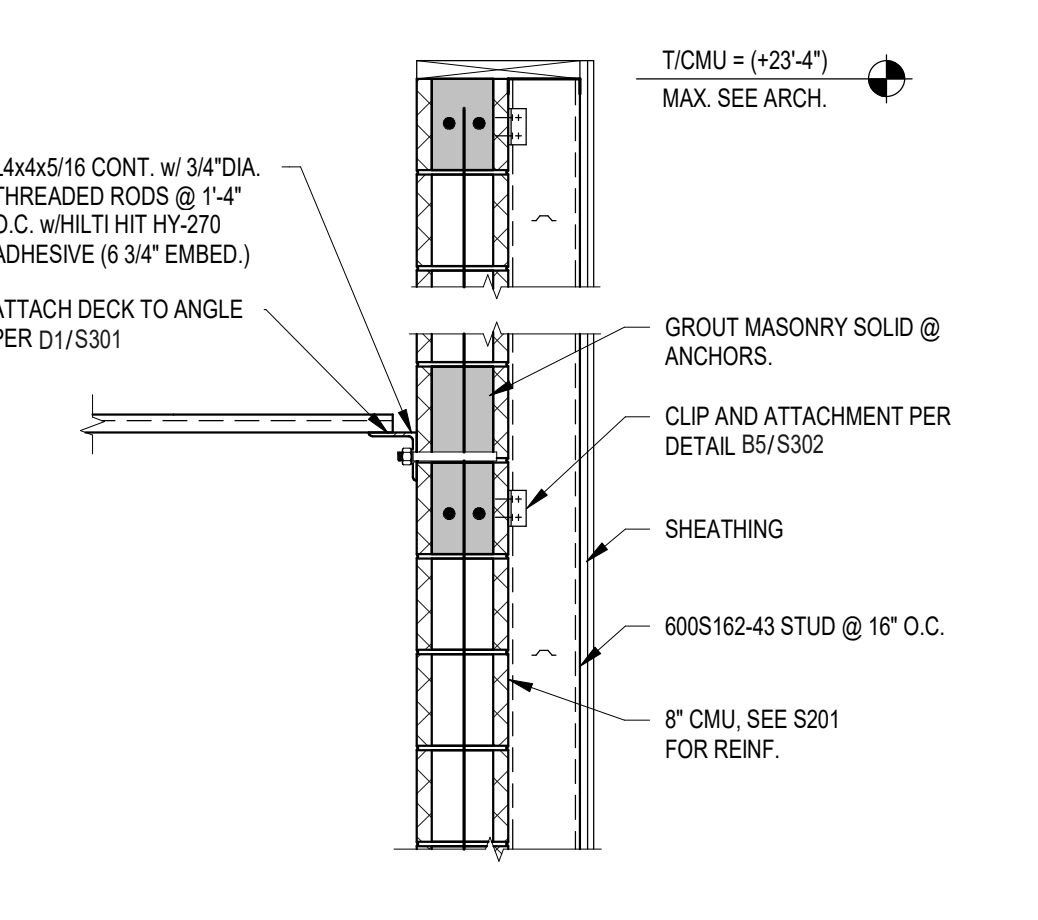
C2 SECTION
3/4" = 1'-0"



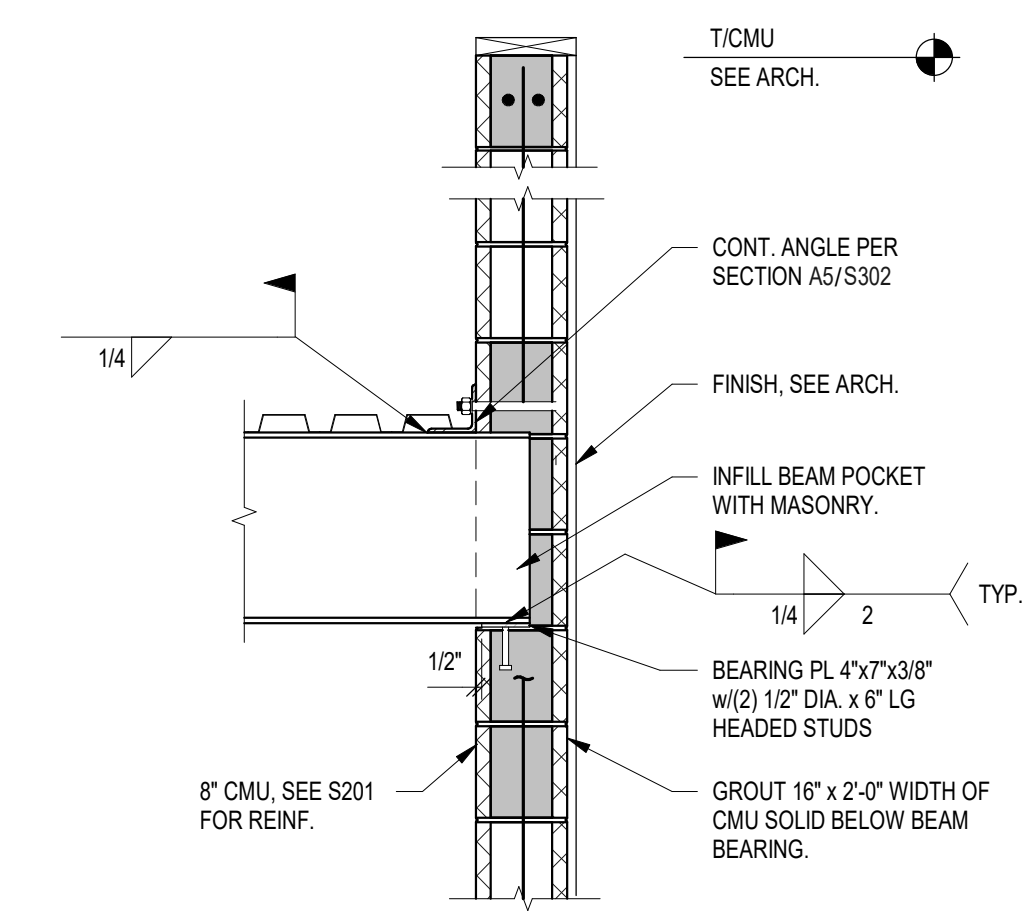
C3 SECTION
3/4" = 1'-0"



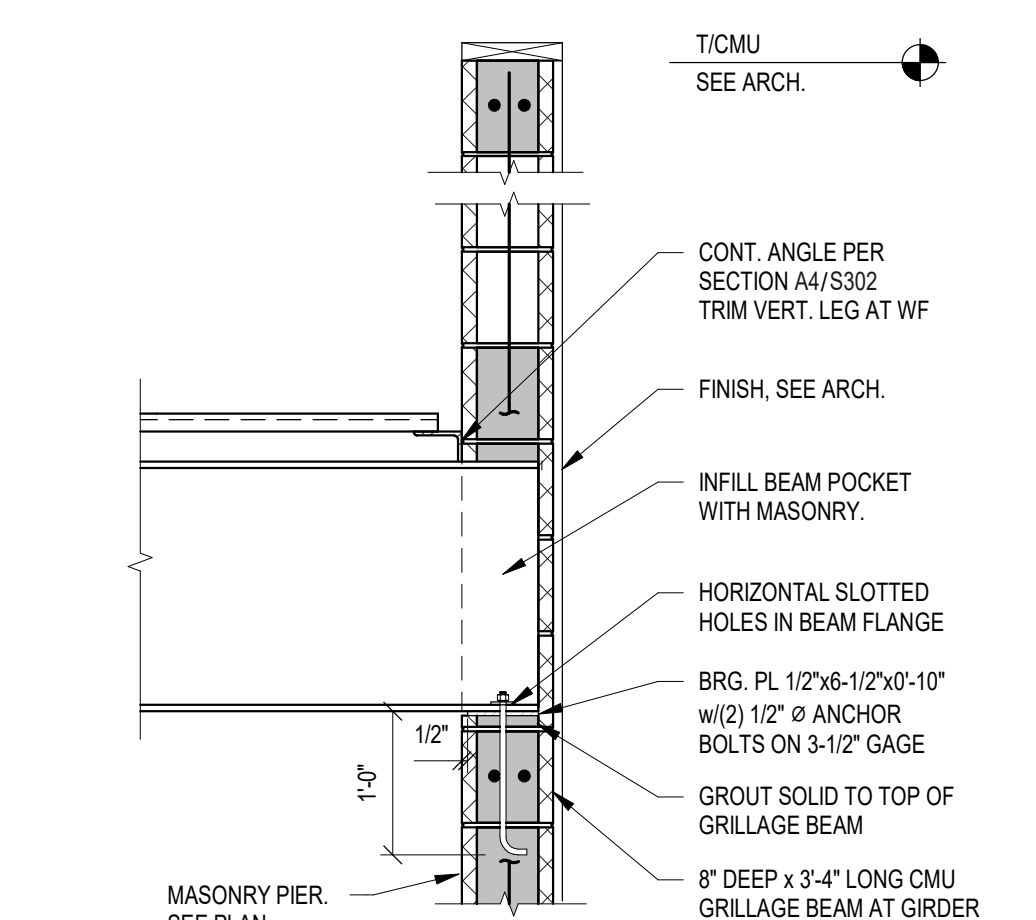
C4 SECTION
3/4" = 1'-0"



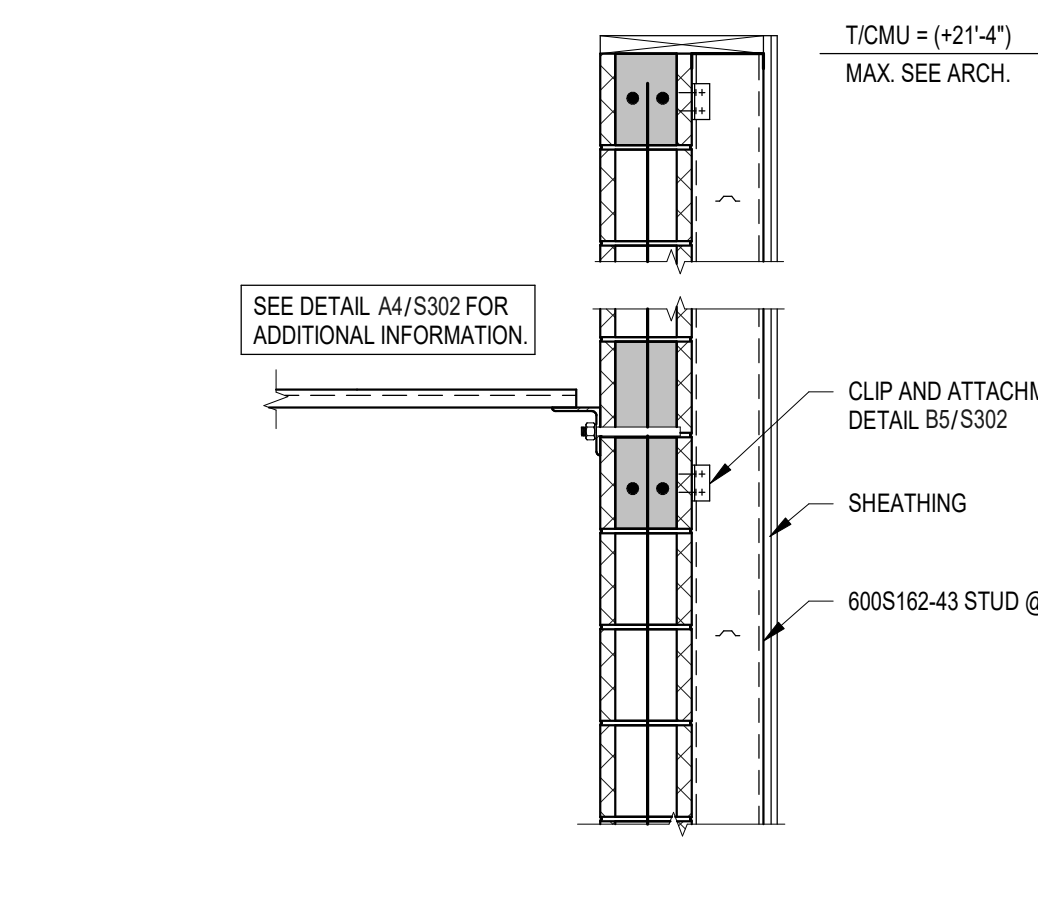
B1 SECTION
3/4" = 1'-0"



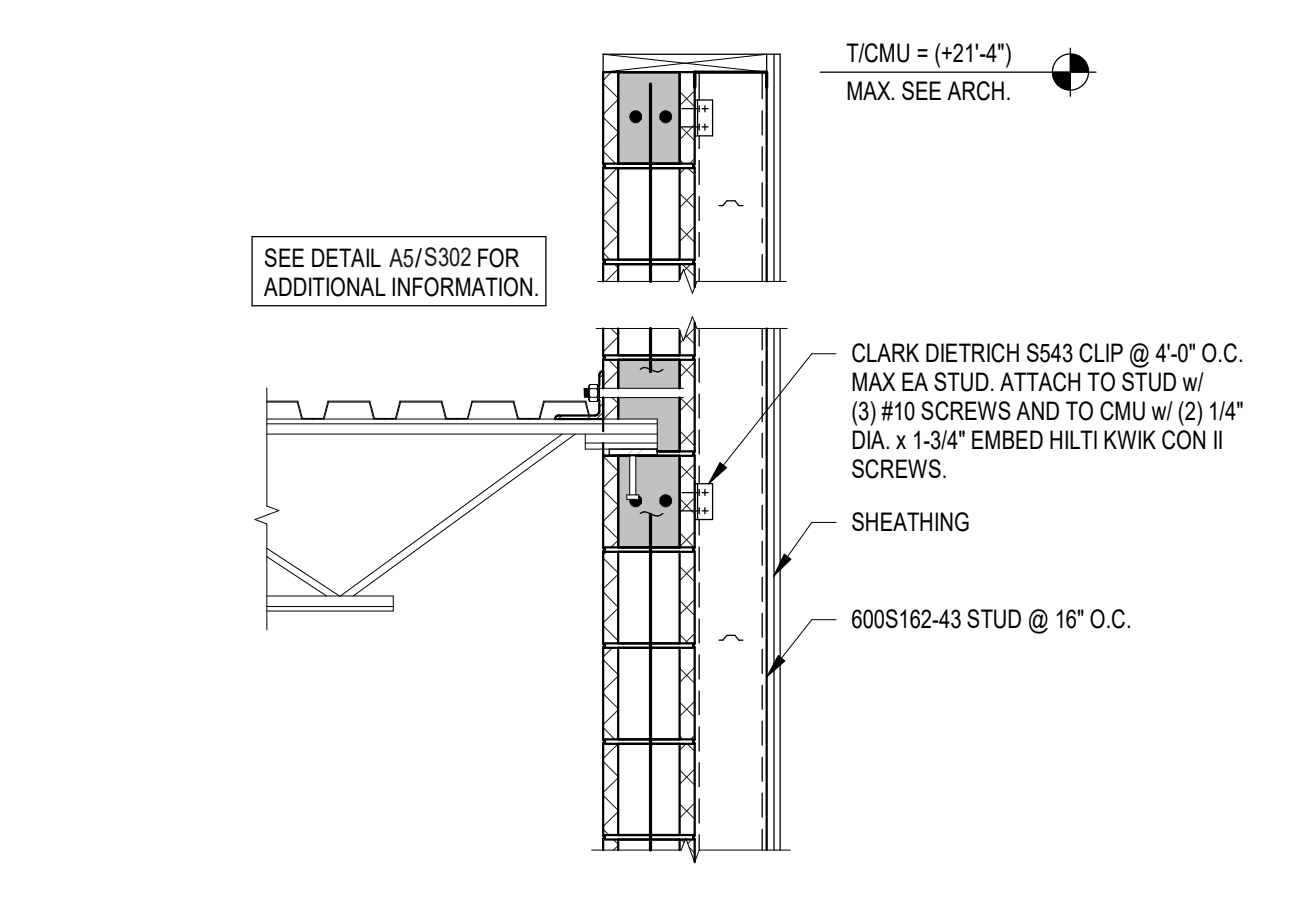
B2 SECTION
3/4" = 1'-0"



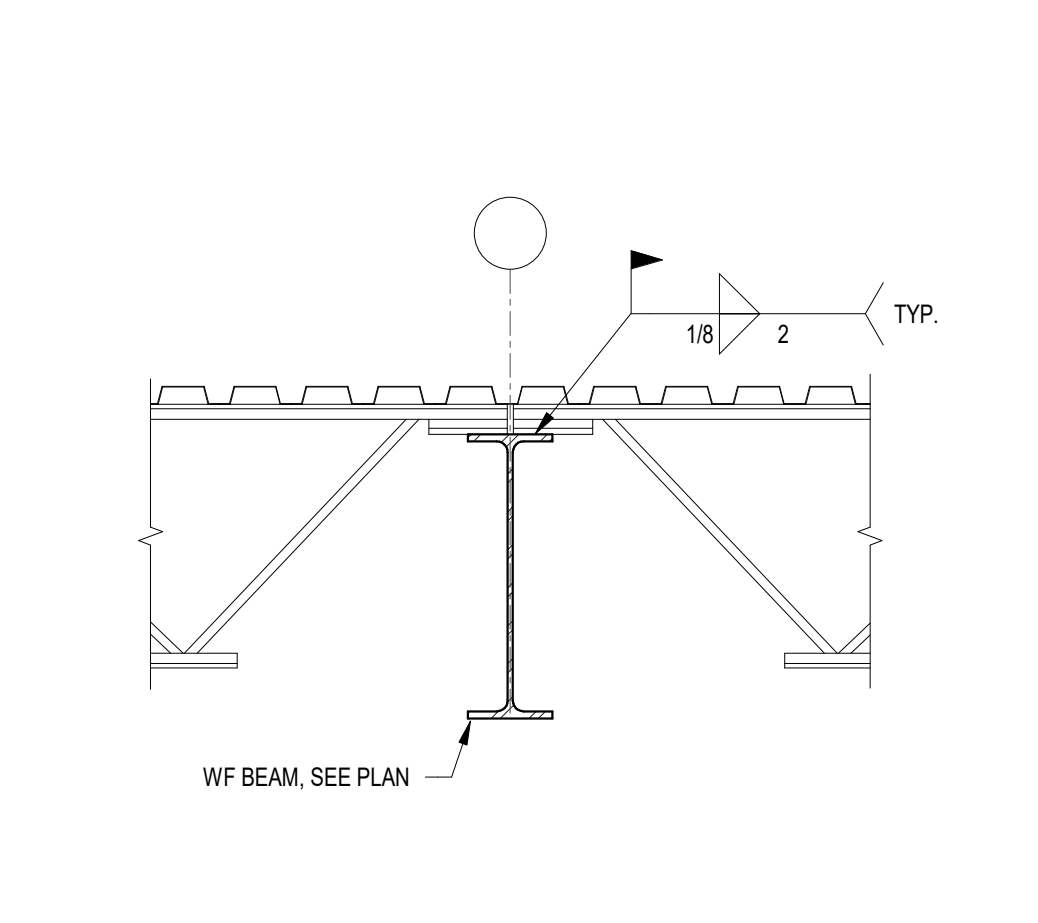
B3 SECTION
3/4" = 1'-0"



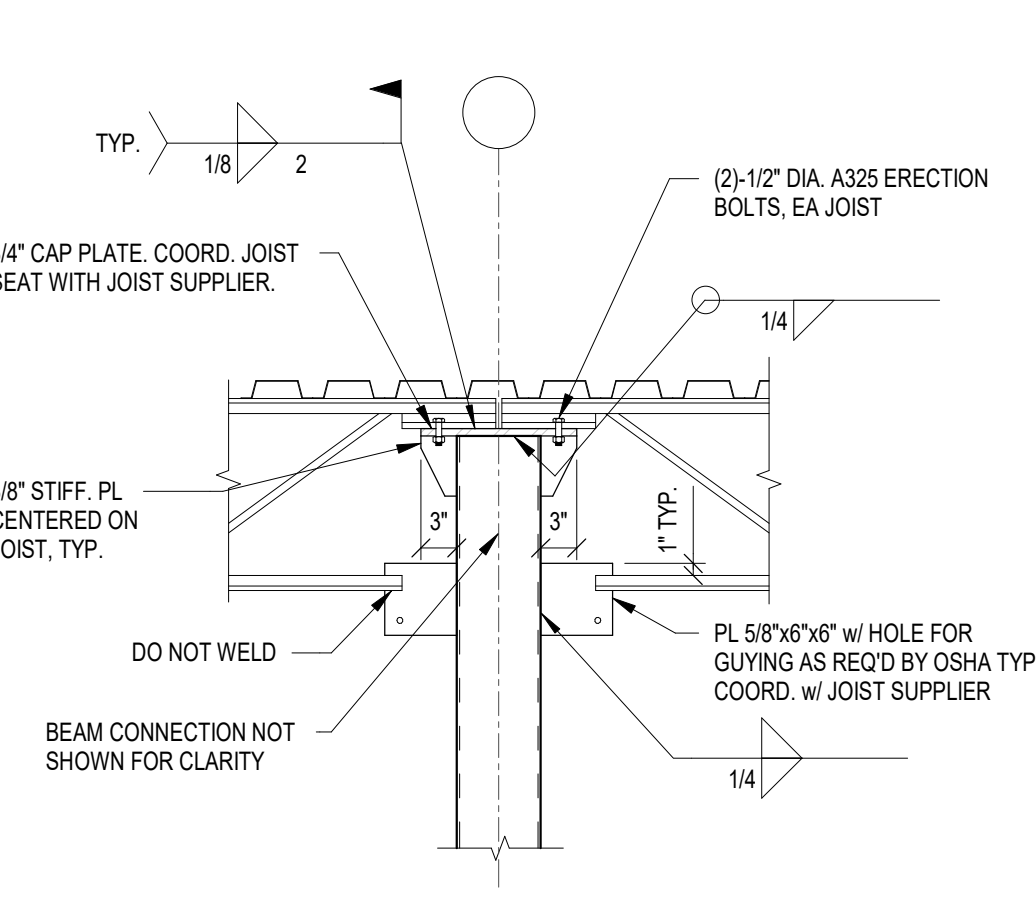
B4 SECTION
3/4" = 1'-0"



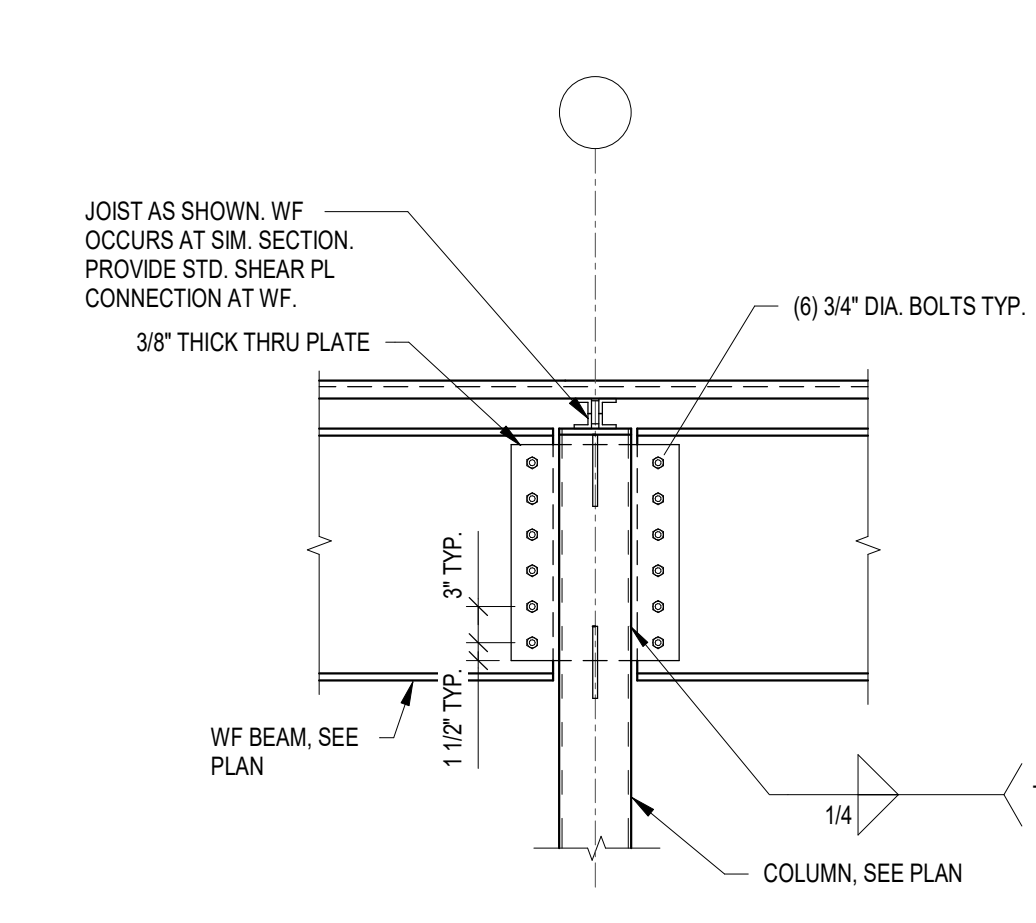
B5 SECTION
3/4" = 1'-0"



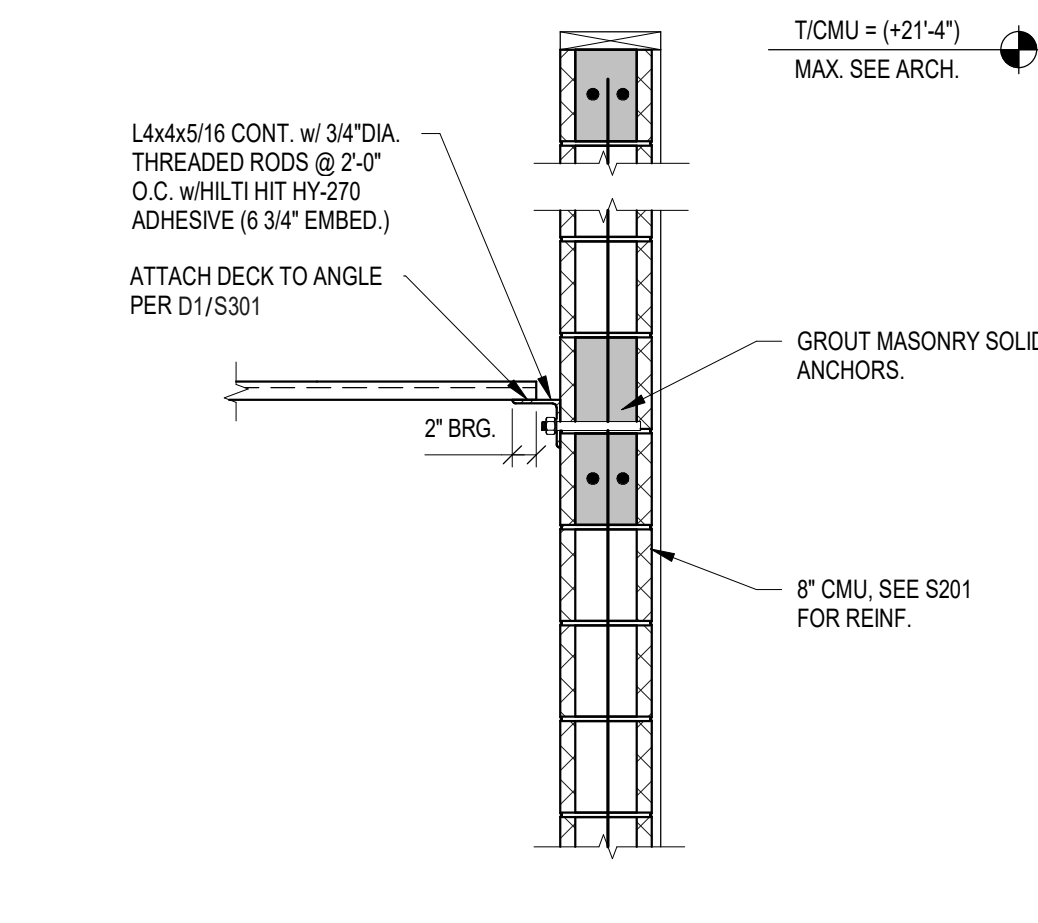
A1 SECTION
3/4" = 1'-0"



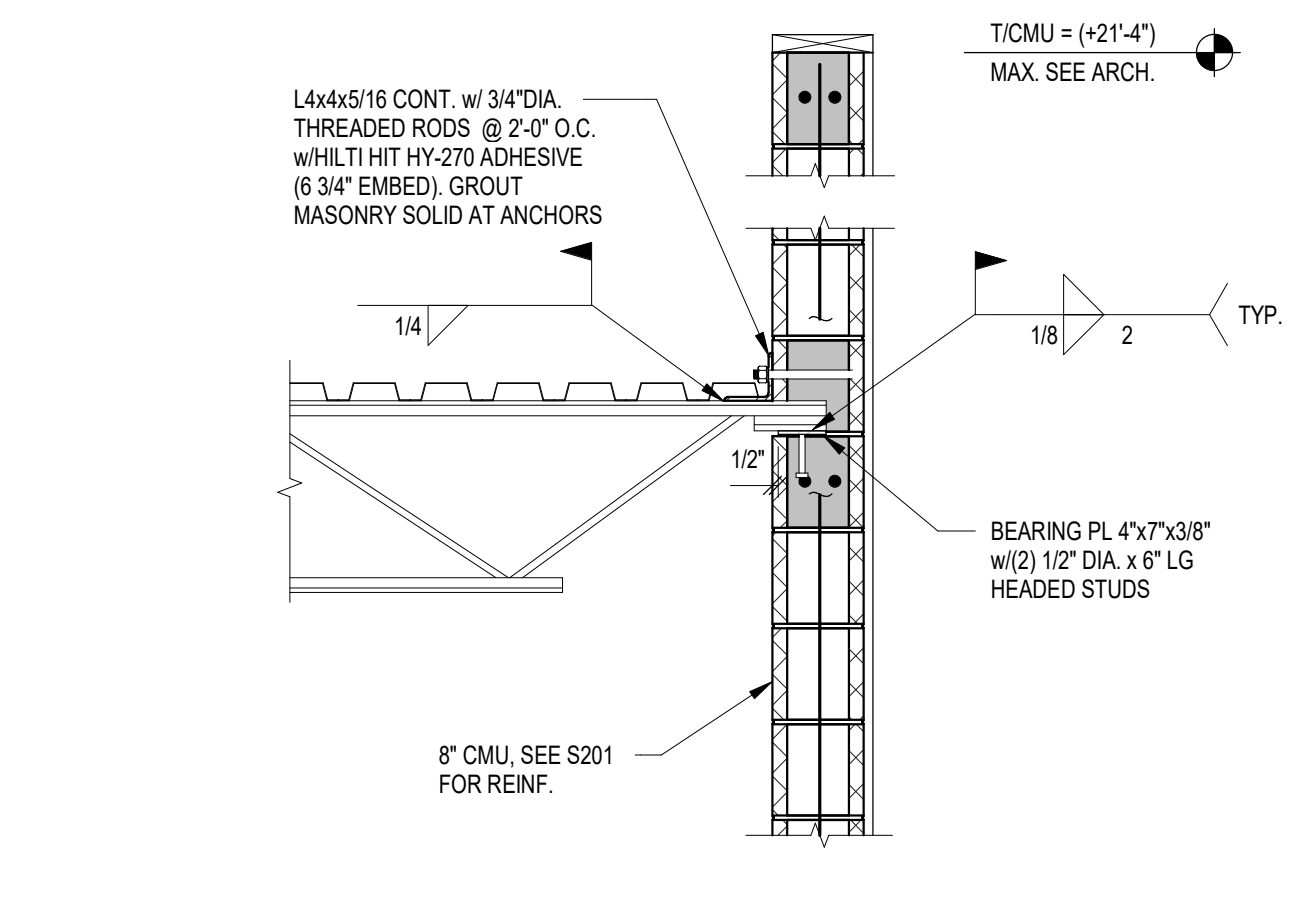
A2 SECTION
3/4" = 1'-0"



A3 SECTION
3/4" = 1'-0"



A4 SECTION
3/4" = 1'-0"



A5 SECTION
3/4" = 1'-0"

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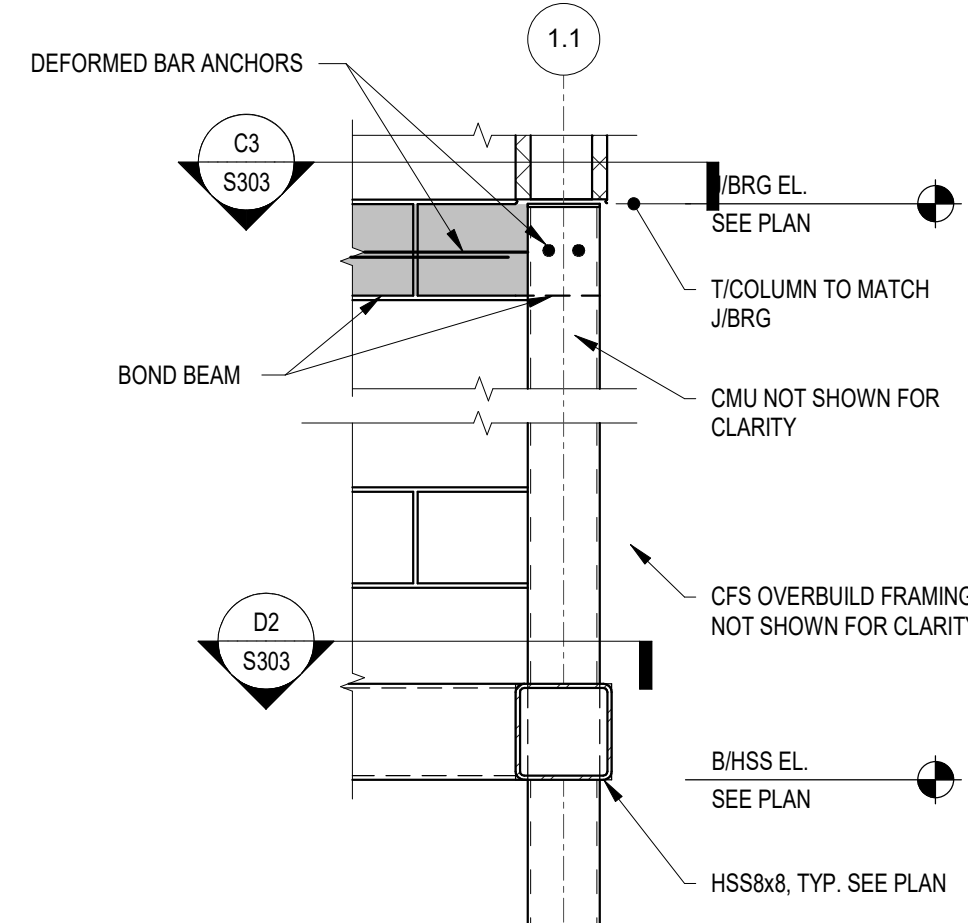
mk	date	issue
	1/24/2024	BID SET
	11/15/2023	PERMIT SET

FRAMING SECTIONS AND DETAILS

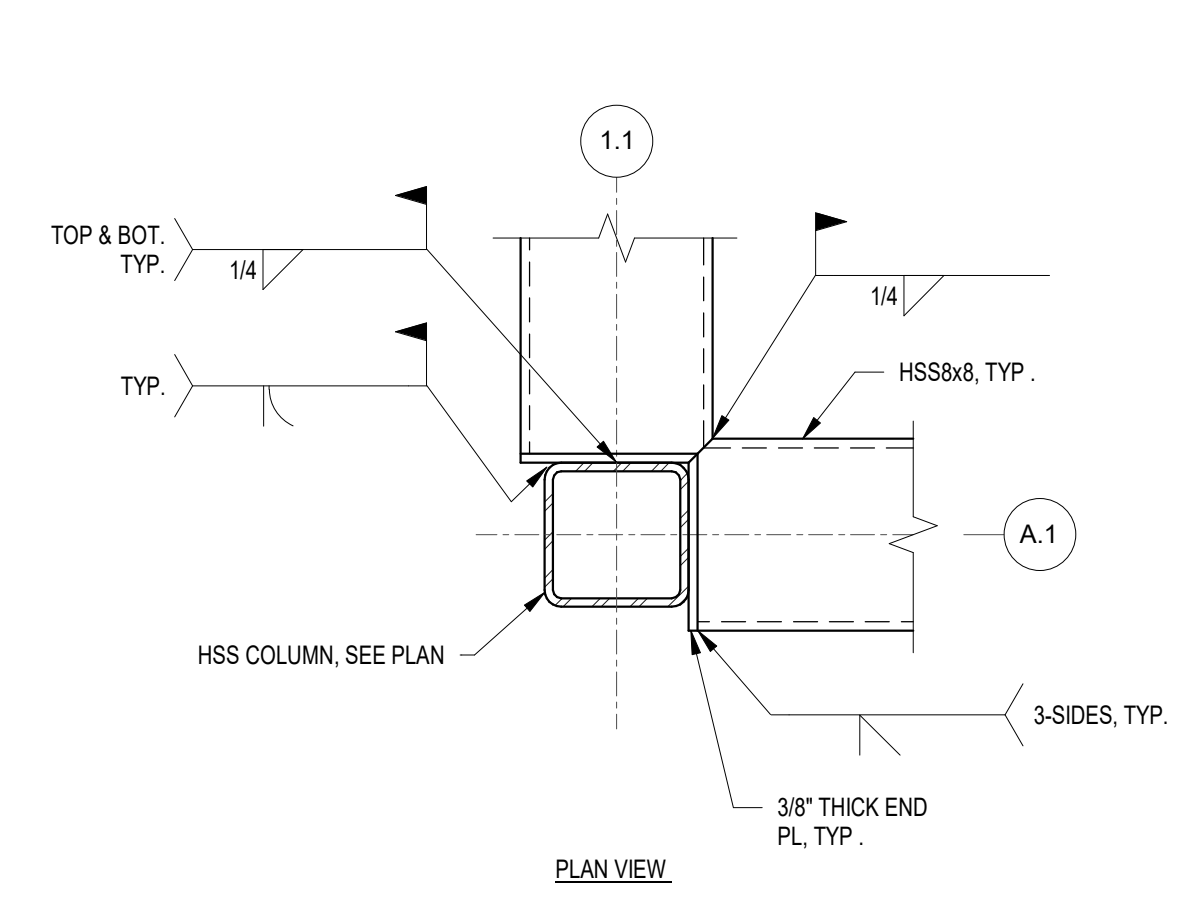
S302

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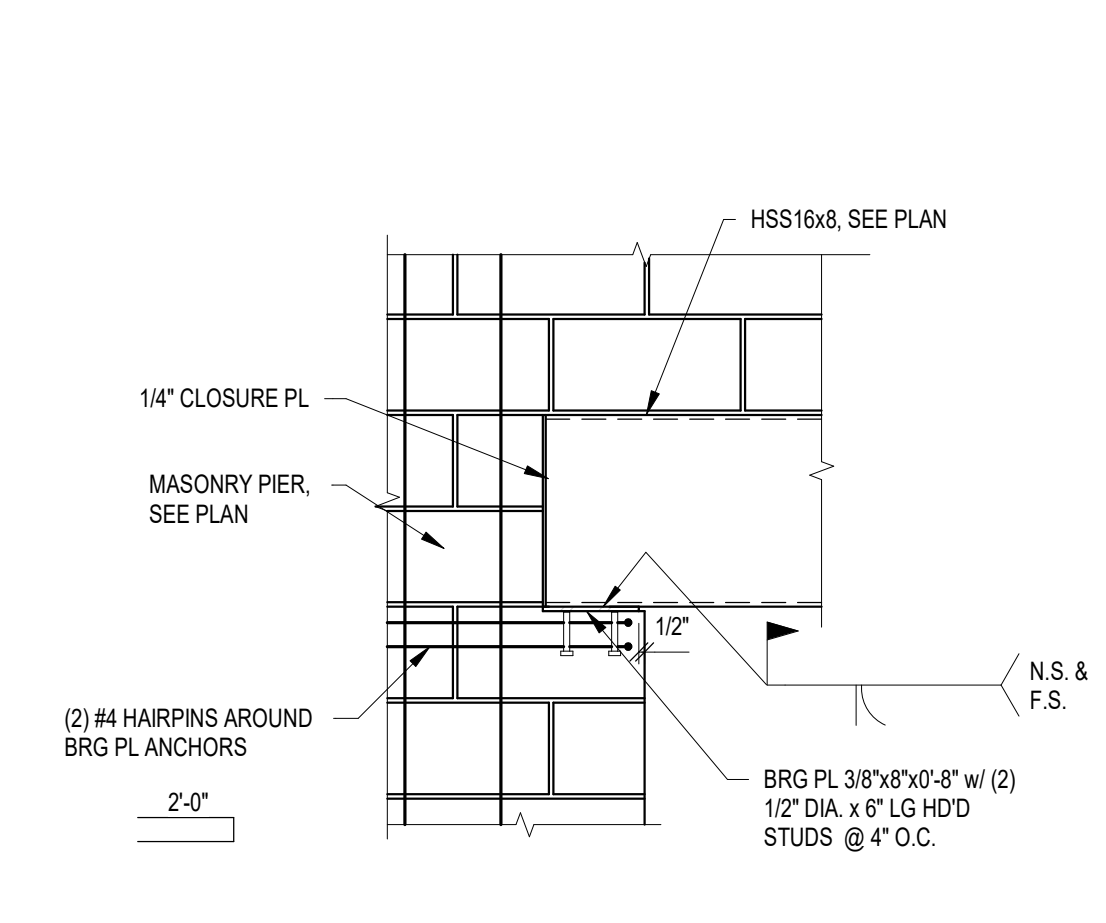
1/22/2024 10:33:15 AM



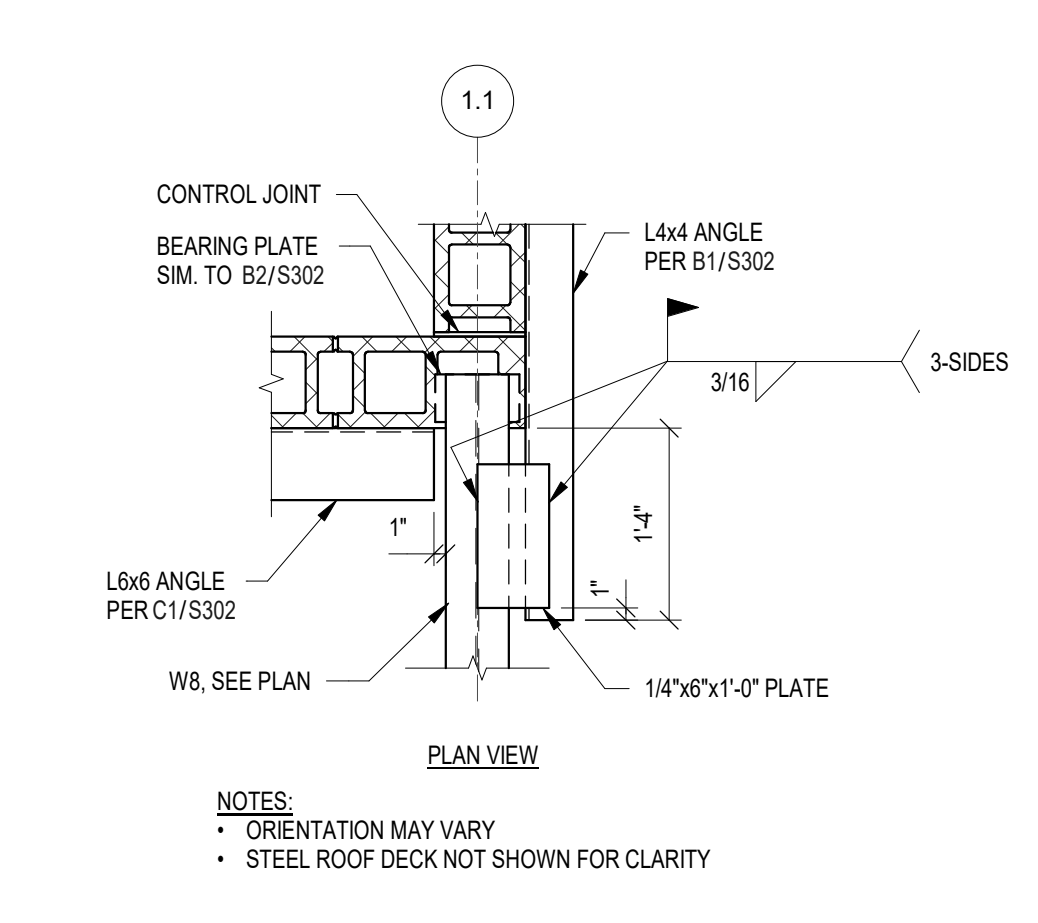
D1 SECTION
 3/4" = 1'-0"



D2 DETAIL
 1 1/2" = 1'-0"

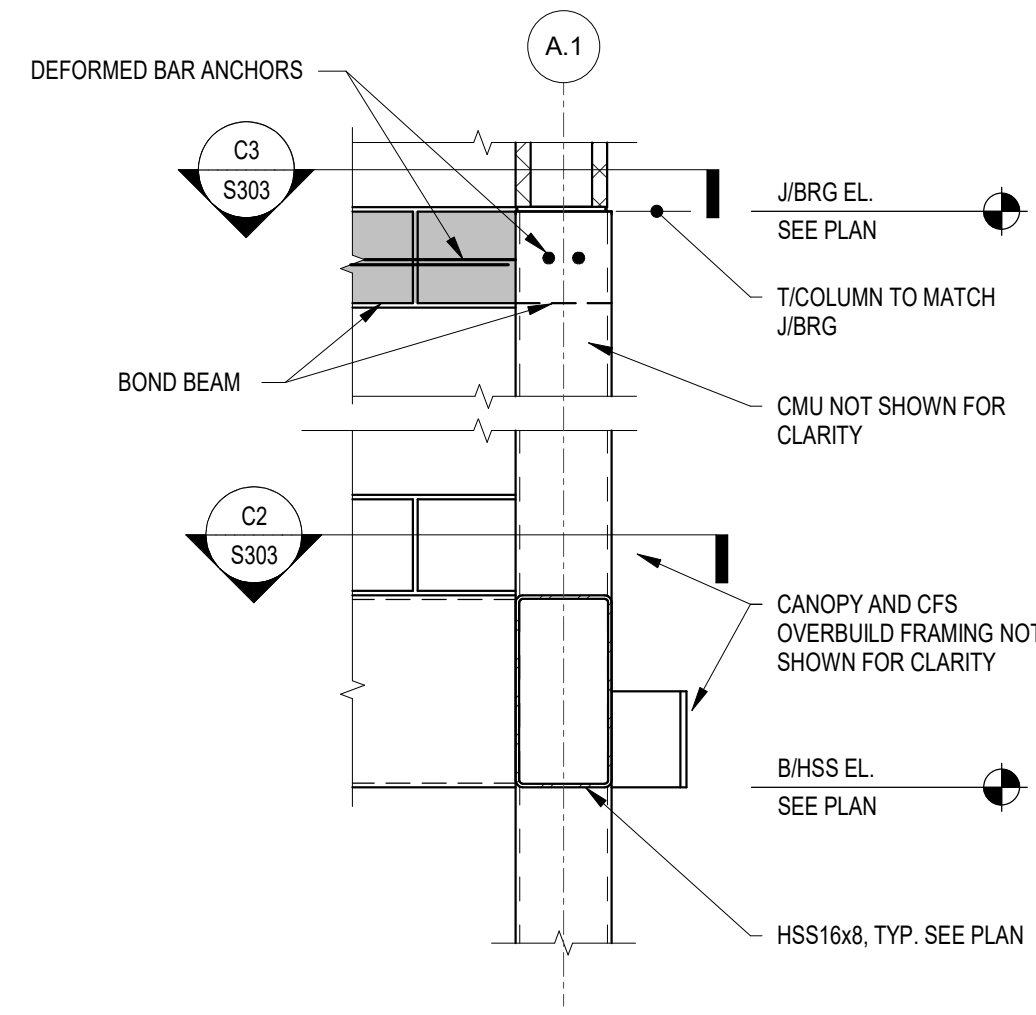


D3 SECTION
 3/4" = 1'-0"

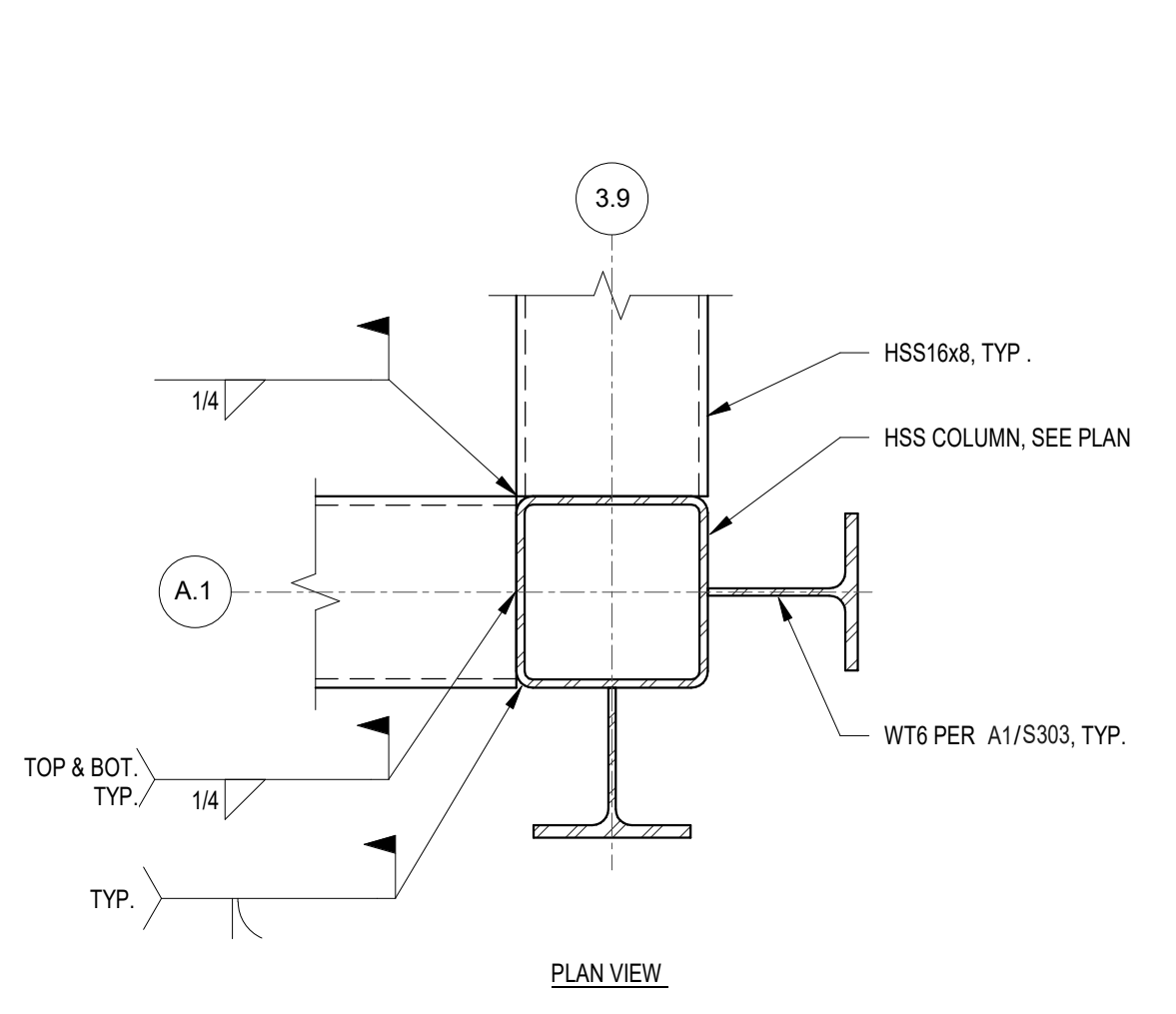


D4 DETAIL
 3/4" = 1'-0"

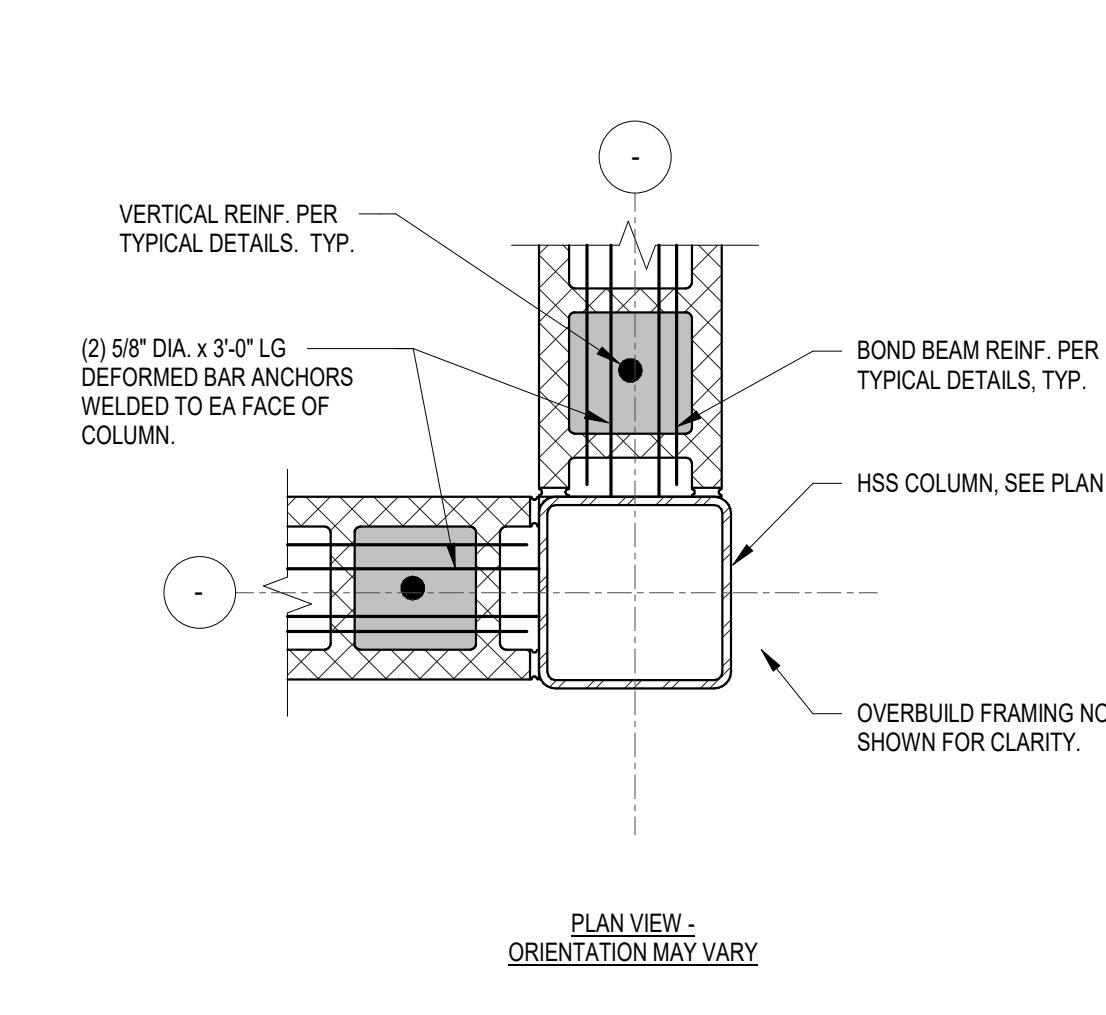
NOTES:
 • ORIENTATION MAY VARY
 • STEEL ROOF DECK NOT SHOWN FOR CLARITY



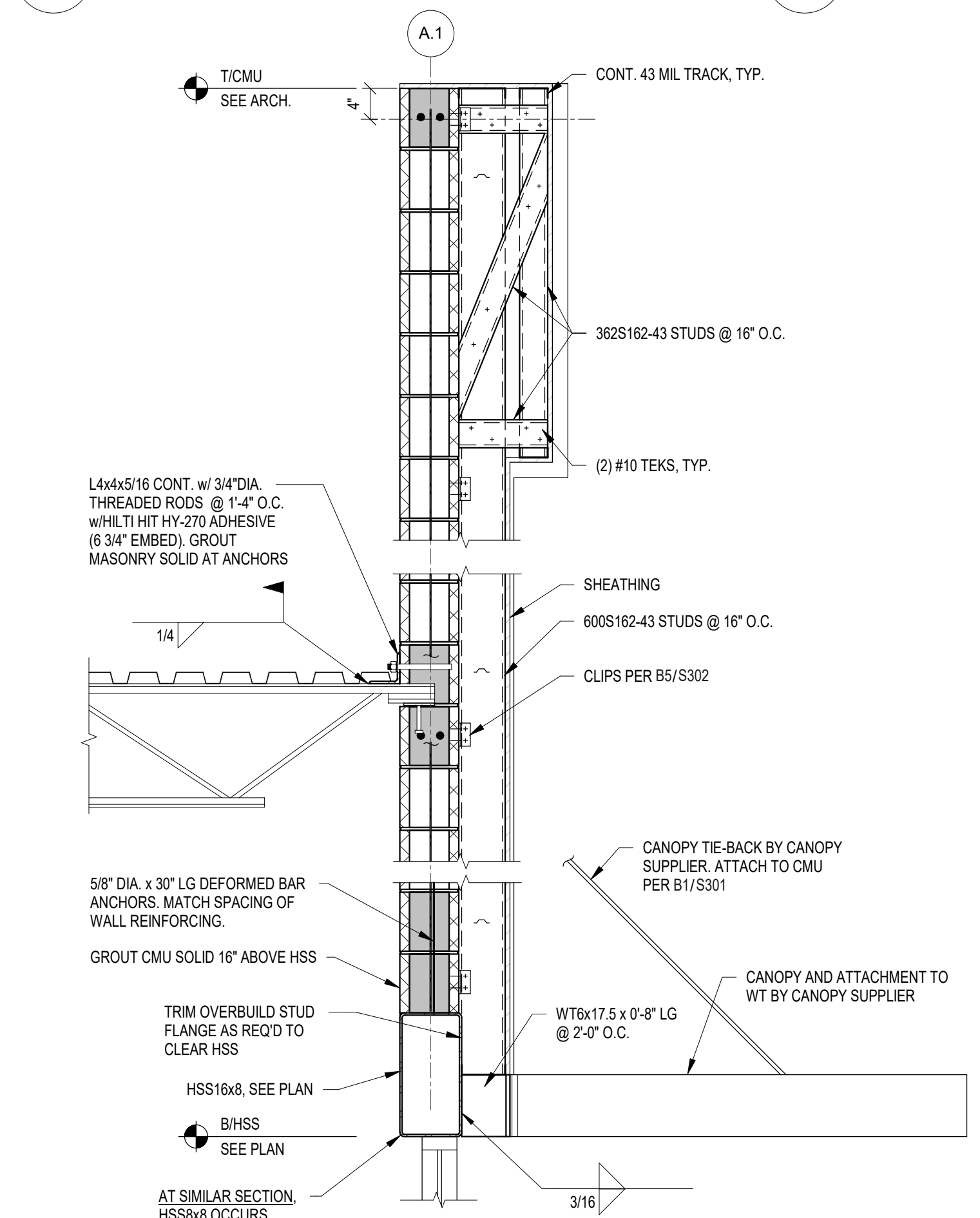
C1 SECTION
 3/4" = 1'-0"



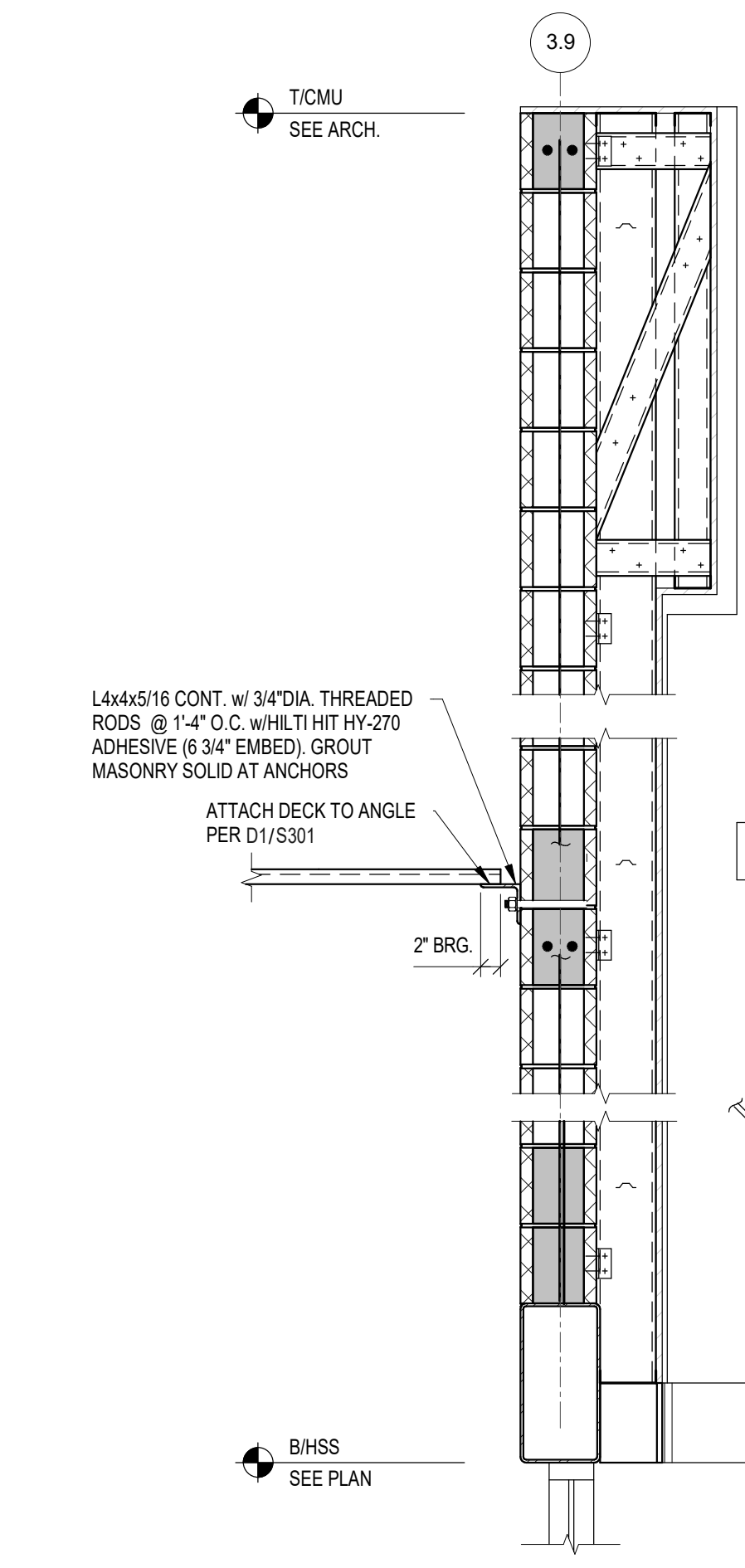
C2 DETAIL
 1 1/2" = 1'-0"



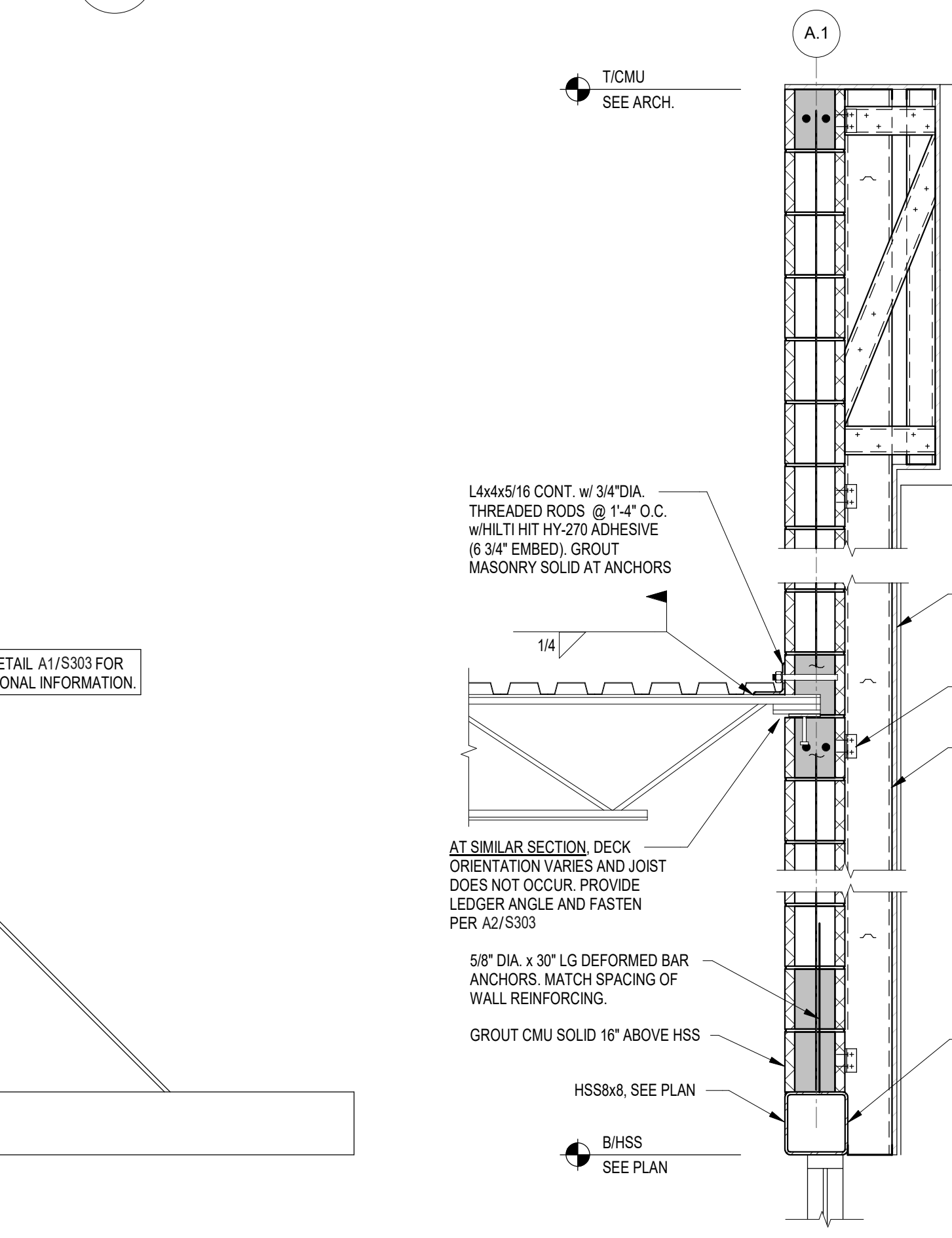
C3 DETAIL
 1 1/2" = 1'-0"



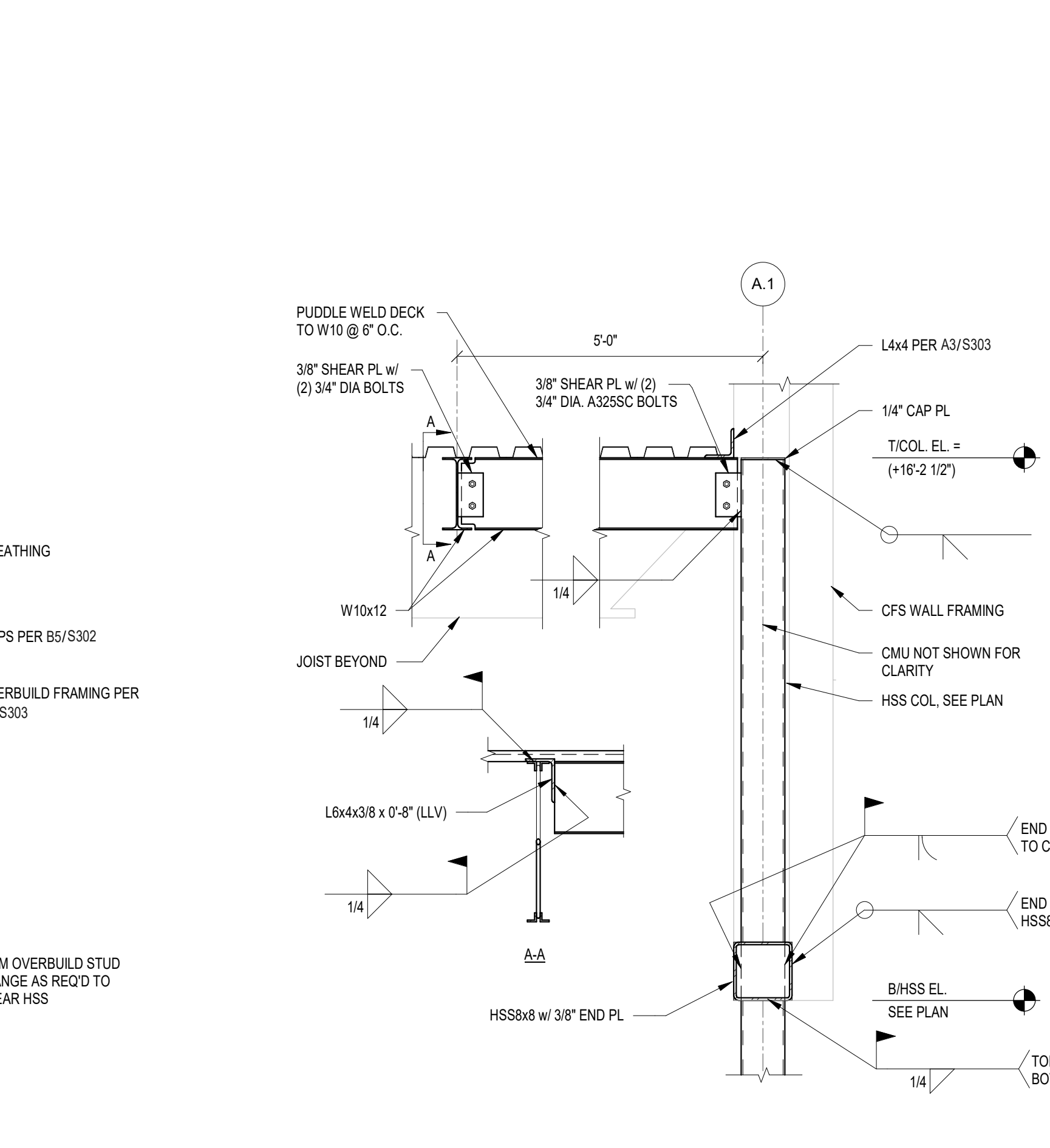
A1 SECTION
 3/4" = 1'-0"



A2 SECTION
 3/4" = 1'-0"



A3 SECTION
 3/4" = 1'-0"



A4 SECTION
 3/4" = 1'-0"

FOR BIDDING ONLY, NOT FOR CONSTRUCTION.

WING DEVELOPMENT
 Heartland Dental
 1200 Network Centre Drive
 Effingham, IL 62401

Heartland Dental -
 Clayton, NC
 WING PROJECT # NC22-0118
 2165 FRITCHARD ROAD
 CLAYTON, NC 27627

1/24/2024	BID SET
11/15/2023	PERMIT SET
mk	date issue

FRAMING SECTIONS AND DETAILS

S303

DRAWN BY AC CHECKED BY JS
 2023064.33