

# WILMA P. MANKILLER HEALTH CENTER EXPANSION

## BID PACKAGE 01 (DEMOLITION / STEEL / FOUNDATIONS)

SHEET NUMBER	SHEET NAME	11-01-19 - BID PACKAGE 01	11-22-19 - BID PACKAGE 01 - ADDENDUM 01	12-10-19 - BID PACKAGE 01 - ADDENDUM 02	01-16-20 - BID PACKAGE 01 - ASB 01	02-19-20 - BID PACKAGE 01 - ASB 02	03-16-20 - BID PACKAGE 01 - ASB 03	06-05-20 - BID PACKAGE 01 - ASB 04	09-16-20 - BID PACKAGE 01 - ASB 05
<b>GENERAL</b>									
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<b>CIVIL</b>									
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CS101	DEMOLITION PLAN								
CS102	DEMOLITION PLAN								
CE100	EROSION CONTROL SITE PLAN								
CE500	EROSION CONTROL DETAILS								
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<b>ELECTRICAL</b>									
E0.01	ELECTRICAL DEMOLITION PLAN								
Grand total: 66									



1836 SOUTH BALTIMORE AVE.  
TULSA, OK 74119  
(539) 664-4618

MECHANICAL / ELECTRICAL / PLUMBING ENGINEER



3802 UNIVERSITY BOULEVARD  
DURANT, OK 74701  
(580) 931-9045

CIVIL ENGINEER



4700 LINCOLN ROAD NE, SUITE 102  
ALBUQUERQUE, NM 87109  
(505) 344-4080

STRUCTURAL ENGINEER



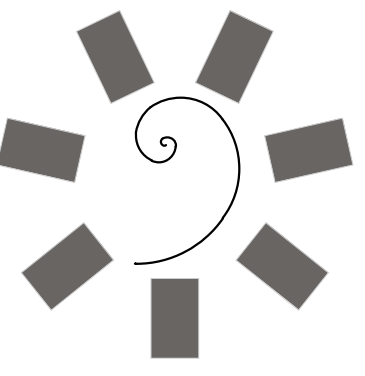
808 TRAVIS STREET, SUITE 200  
HOUSTON, TX 77002  
(281) 589-5900

FIRE PROTECTION / LIFE SAFETY

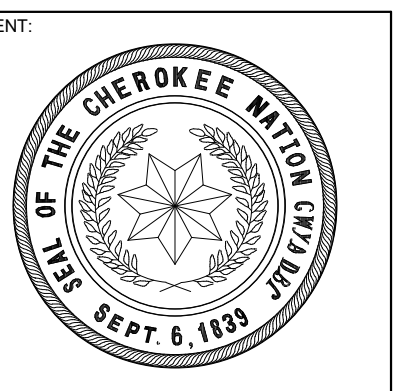
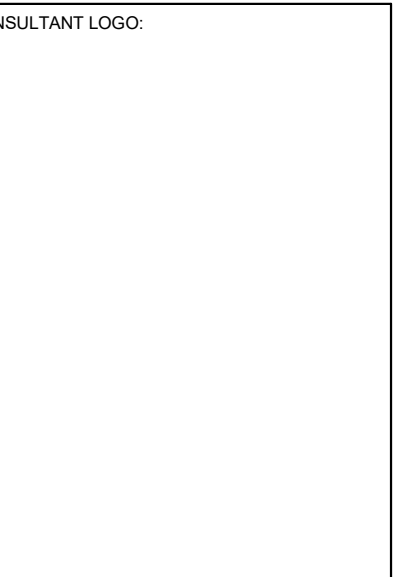
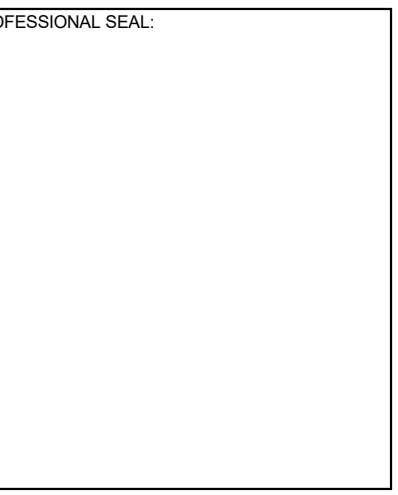


1316 E 35TH PLACE, SUITE 100  
TULSA, OK 74105  
(918) 382-9120

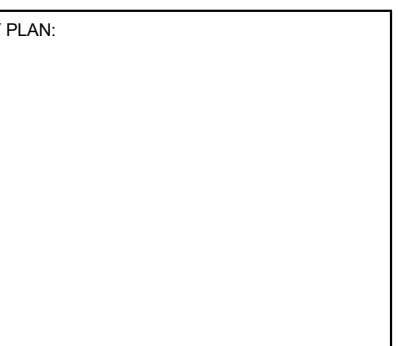
EQUIPMENT PLANNER



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



**WILMA P. MANKILLER HEALTH CENTER  
EXPANSION**  
 STILWELL, OKLAHOMA



PROJECT PHASE:  
BID PACKAGE 01

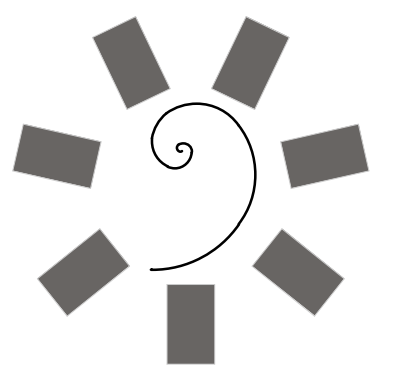
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2	12/10/19	BID PACKAGE 01 - ADD 02
3	1/16/20	BID PACKAGE 01 - ASB 01
4	2/5/20	BID PACKAGE 01 - ASB 02
5	4/16/20	BID PACKAGE 01 - ASB 03
6	6/5/20	BID PACKAGE 01 - ASB 04

DATE: 11-01-19 JOB NUMBER: 18-01.01

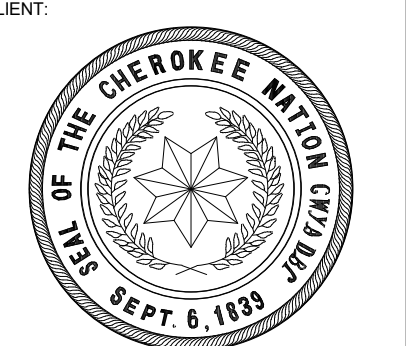
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**G0.01**

COVER / INDEX

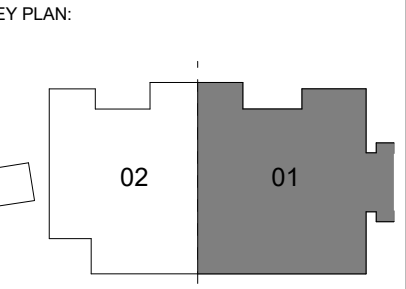




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PROJECT PHASE:  
BID PACKAGE 01

#	DATE	REVISIONS
1	11/22/19	BID PACKAGE 01 - ADD 01
2	04/16/20	BID PACKAGE 01 - ADD 02
3	08/05/20	BID PACKAGE 01 - ADD 04
4	07/28/20	RFP 011
5	08/19/20	BID PACKAGE 01 - ADD 05

DATE: 07/28/20 JOB NUMBER: 18-01.01

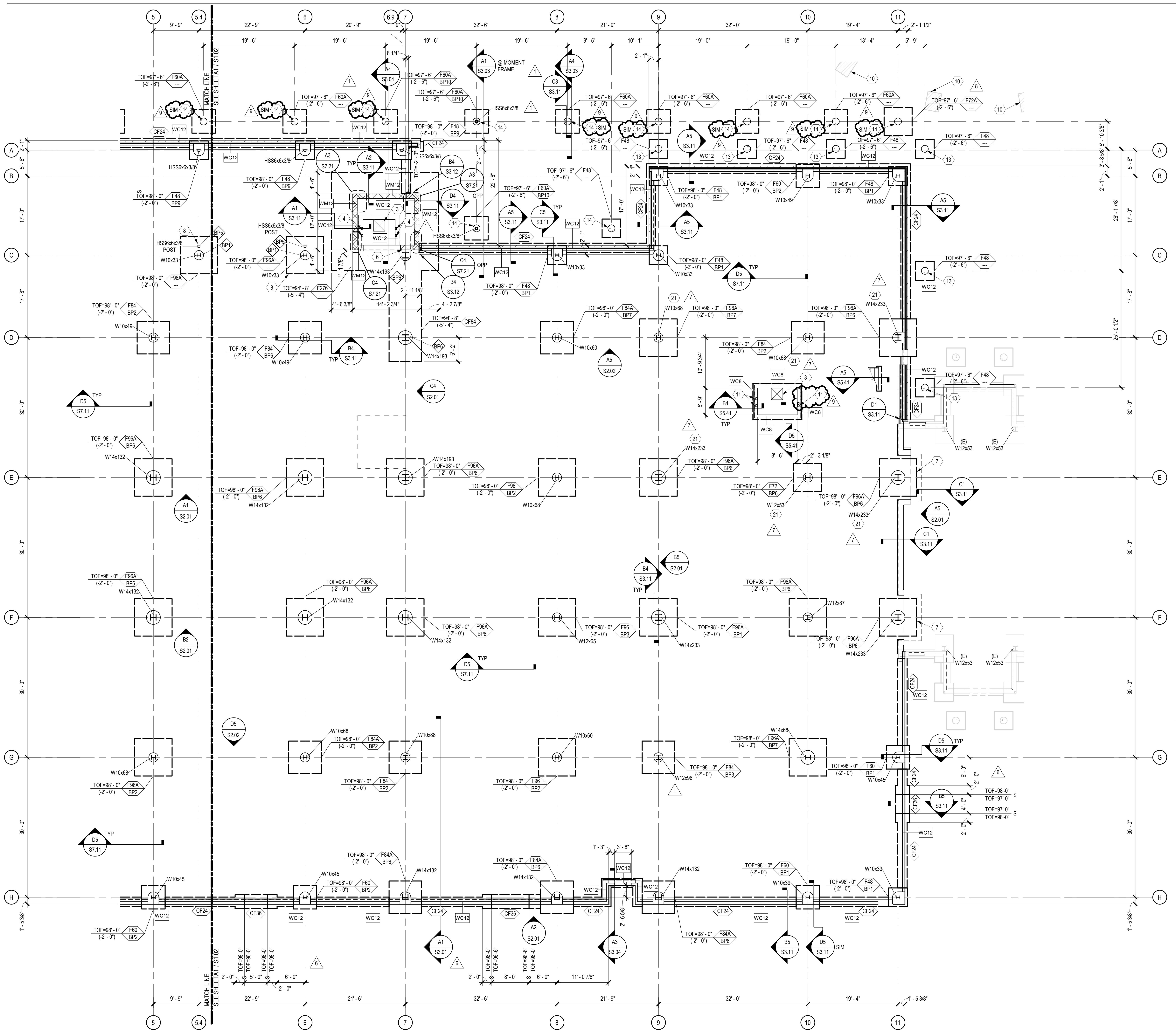
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**S1.01**  
FOUNDATION PLAN  
SECTOR 1

**GENERAL SHEET NOTES**

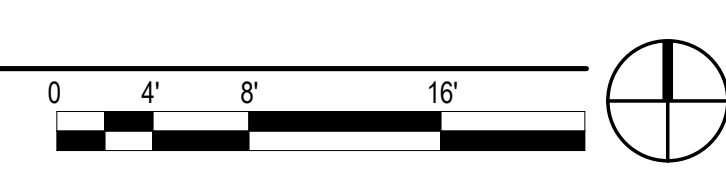
- SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
- REFERENCE FINISH FLOOR ELEVATION 100'-0" = MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
- TOP OF FOOTING ELEVATION = 98'-0" (-2'-0"), UNLESS NOTED OTHERWISE ON PLAN.
- NOTE TO CONTRACTOR: ENLARGED SLAB BLOCKOUTS MAY BE REQUIRED AT FRAME COLUMNS FOR MOMENT FRAME BASE PLATE CLEARANCE.
- NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE 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 STUD UNLESS NOTED OTHERWISE.
- SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
- EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
- 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 6" WIDE UNLESS NOTED OTHERWISE. STUD THICKNESS AND SPACING BY OTHERS.
- SEE SHEET S7.00 SERIES SHEETS FOR TYPICAL FOUNDATION SECTIONS AND DETAILS.
- SEE SHEET S6.01 FOR SCHEDULES.

**SHEET KEYNOTE**

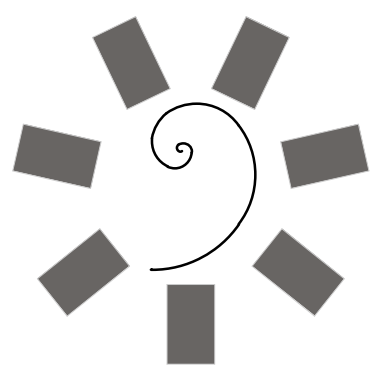
- FLOOR DRAIN: SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- POST AND FOUNDATION AS REQUIRED FOR STAIR SUPPORT. STAIR ENGINEER TO PROVIDE REQUIRED LOADS AND LOCATIONS.
- ELEVATOR SUMP PIT. COORDINATE EXACT SIZE AND LOCATION WITH ELEVATOR MANUFACTURER. SEE A4 / S5.41
- HSS6x4x1/2 ELEVATOR RAIL SUPPORT POST. COORDINATE LOCATION AND SPACING WITH ELEVATOR MANUFACTURER. SEE B4 / S5.41.
- PRE-ENGINEERED METAL BUILDING STEEL AND ANCHORAGE BY OTHERS. CONTRACTOR TO CONFIRM LOCATIONS OF FOUNDATIONS WITH FINAL PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS.
- NOTCH MASONRY AS REQUIRED TO FACILITATE BASEPLATE INSTALLATION. STEP BOND BEAM AT THIS LOCATION. FILL VOID FROM NOTCH WITH NON-SHRINK GROUT.
- CUT AND REMOVE EXISTING SLAB AS REQUIRED TO PLACE NEW FOOTING. NEW SLAB TO POUR UP TO REMAINING SLAB.
- CENTER FOOTING ON GRID C.
- F60A PRE-MANUFACTURED SUNSHADE CONCRETE FOOTING. TOP OF FOOTING = 99'-0" (1'-0"). SEE SHEET S6.01 FOR FOOTING SCHEDULE. COORDINATE FINAL LOCATION WITH SUNSHADE MANUFACTURER.
- EXISTING CANOPY. SEE ARCHITECTURAL DEMOLITION PLANS FOR EXTENT OF DEMOLITION.
- HSS6x1/2 ELEVATOR SUPPORT POST. COORDINATE EXACT LOCATION AND SPACING WITH ELEVATOR MANUFACTURER. SEE B4 / S5.41, D3 / S5.41, A2 / S5.41, B2 / S5.41, AND C2 / S5.41.
- 1 1/2" RECESSED SLAB AT ADA SHOWER. COORDINATE EXACT SIZE, LOCATION, AND SLOPE REQUIREMENTS WITH ARCHITECTURAL DRAWINGS. SEE C4 / S7.11
- 18" DIAMETER PRECAST CONCRETE COLUMN BY OTHERS. SEE C3 / S3.11 AND B1 / S3.31
- 18" DIAMETER PRECAST CONCRETE CANOPY COLUMN BY OTHERS. SEE C3 / S3.11, C4 / S3.12, A1 / S3.31, AND A5 / S3.31. AT "SIM", C3 / S3.11 SIM REINFORCEMENT SHALL BE PROVIDED.
- F60A PRE-MANUFACTURED SUNSHADE CONCRETE FOOTING WITH 18" SQUARE CONCRETE PEDESTAL. TOP OF FOOTING ELEVATION TO MATCH TOP OF FOOTING ELEVATION OF SITE RETAINING WALL. SEE SHEET S6.01 FOR FOOTING SCHEDULE. SEE B3 / S3.12 FOR PEDESTAL DETAIL. ANCHORAGE AND SUPPLEMENTAL ANCHOR REINFORCEMENT FOR PRE-MANUFACTURED CANOPY TO BE PROVIDED BY MANUFACTURER.
- SITE RETAINING WALL. SEE D2 / S3.11
- DOCK LEVELER. SEE ARCHITECTURAL FOR EXACT LOCATION AND DIMENSIONS.
- 18" DIAMETER PRECAST CONCRETE COLUMN BY OTHERS. SEE D2 / S3.12 AND B1 / S3.31.
- SEE C3 / S3.12 FOR SUPPORT OF CONTINUOUS FOOTING.
- SITE RETAINING WALL. SEE B2 / S3.12. SEE CIVIL DRAWINGS FOR EXTENT.
- STRUCTURAL MEMBER, INCLUDING ASSOCIATED DECK EDGE SUPPORT PER S7.21, SUPPORTING EXIT STAIRS AND/OR RATED ENCLOSURE. SEE LIFE SAFETY DRAWINGS FOR FIREPROOFING REQUIREMENTS.



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







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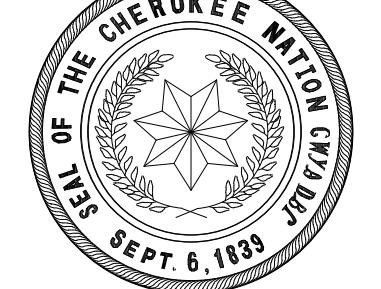
PROFESSIONAL SEAL



CONSULTANT LOGO

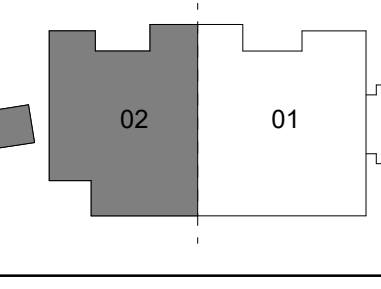


CLIENT



**WILMA P. MANKILLER HEALTH CENTER  
EXPANSION**  
STILWELL, OKLAHOMA

KEY PLAN



PROJECT PHASE

BID PACKAGE 01

#	DATE	REVISIONS
1	11/22/19	BID PACKAGE 01 - ADD 01
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3	04/16/20	BID PACKAGE 01 - ASB 03
4	08/05/20	BID PACKAGE 01 - ASB 04
5	07/29/20	REV 011
6	08/19/20	BID PACKAGE 01 - ASB 05

DATE: 07/28/20

JOB NUMBER: 18-01.01

SHEET NUMBER:

S1.02

FOUNDATION PLAN

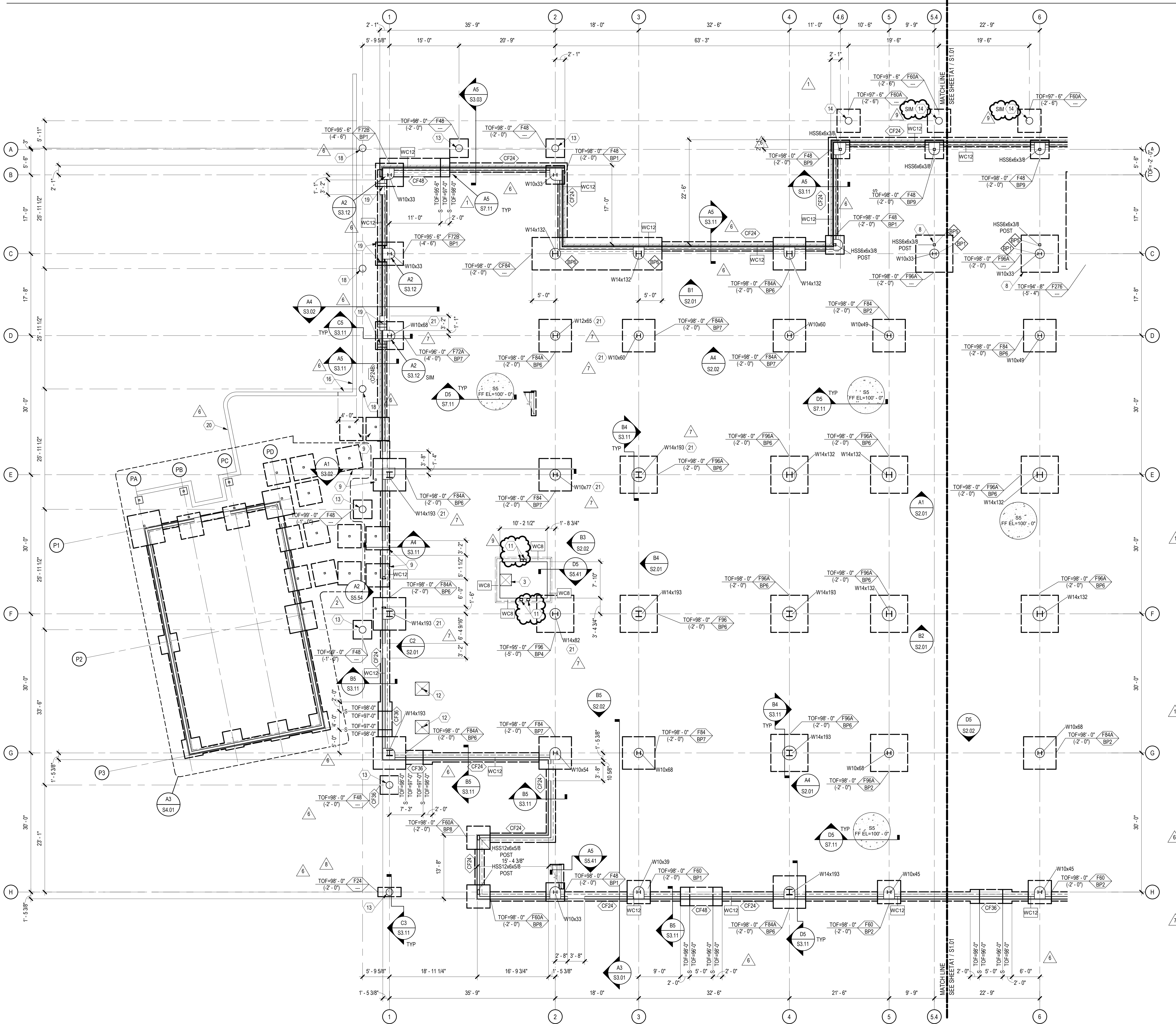
SECTOR 2

**GENERAL SHEET NOTES**

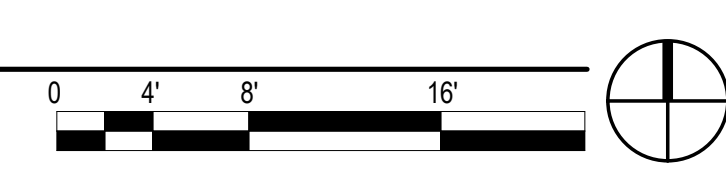
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- SEE SHEET S7.00 SERIES SHEETS FOR TYPICAL FOUNDATION SECTIONS AND DETAILS.
- SEE SHEET S6.01 FOR SCHEDULES.

**SHEET KEYNOTE**

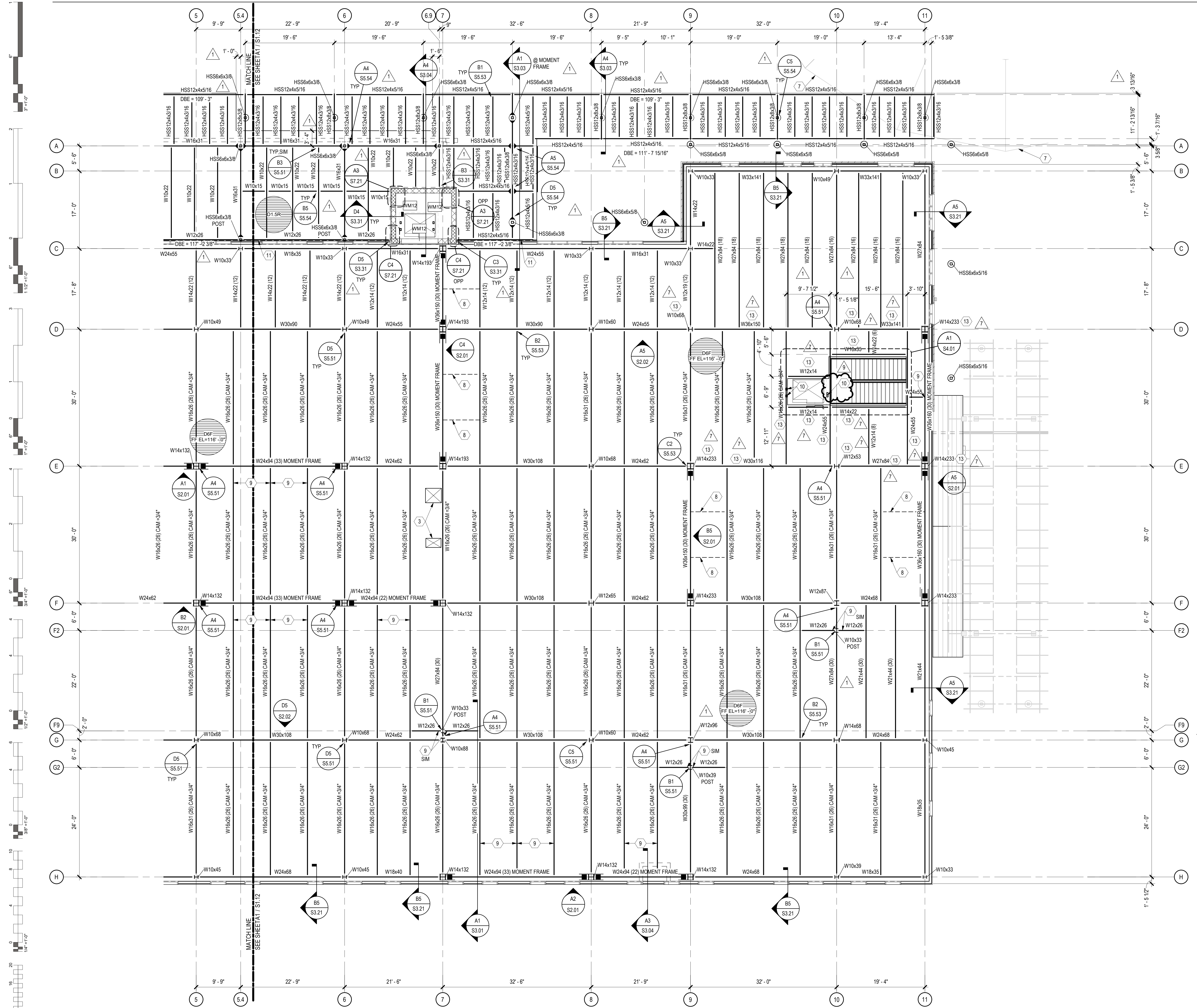
- FLOOR DRAIN, SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
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- ELEVATOR SUMP PIT. COORDINATE EXACT SIZE AND LOCATION WITH ELEVATOR MANUFACTURER. SEE A4 / S5.41
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- 1 1/2" RECESSED SLAB AT ADA SHOWER. COORDINATE EXACT SIZE, LOCATION, AND SLOPE REQUIREMENTS WITH ARCHITECTURAL DRAWINGS. SEE C4 / S7.11
- 18" DIAMETER PRECAST CONCRETE COLUMN BY OTHERS. SEE C3 / S3.11 AND B1 / S3.31
- 18" DIAMETER PRECAST CONCRETE CANOPY COLUMN BY OTHERS. SEE C3 / S3.11, C4 / S3.12, A1 / S3.31, AND A5 / S3.31 AT "SIM". C3 / S3.11 SIM REINFORCEMENT SHALL BE PROVIDED.
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- DOCK LEVELER. SEE ARCHITECTURAL FOR EXACT LOCATION AND DIMENSIONS.
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- SEE C3 / S3.12 FOR SUPPORT OF CONTINUOUS FOOTING.
- SITE RETAINING WALL. SEE B2 / S3.12. SEE CIVIL DRAWINGS FOR EXTENT.
- STRUCTURAL MEMBER INCLUDING ASSOCIATED DECK EDGE SUPPORT PER S7.21. SUPPORTING EXIT STAIRS AND/OR RATED ENCLOSURE. SEE LIFE SAFETY DRAWINGS FOR FIREPROOFING REQUIREMENTS.



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





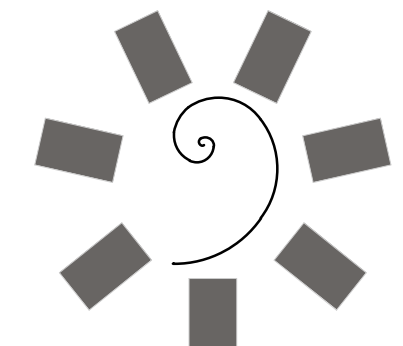


### GENERAL SHEET NOTES

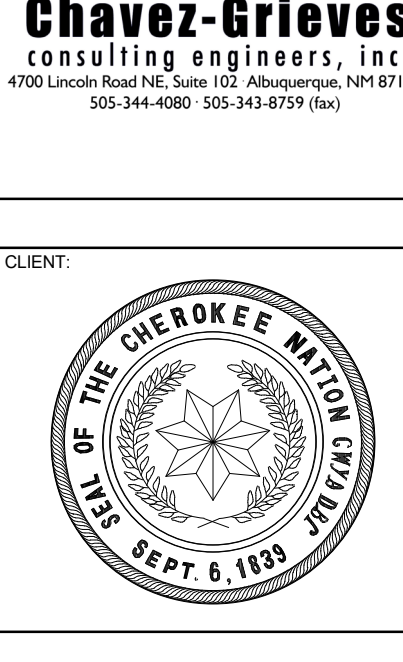
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- STRUCTURAL COLD FORMED METAL STUDS SHALL BE 60S162-43 AT 16\"/>

### SHEET KEYNOTE

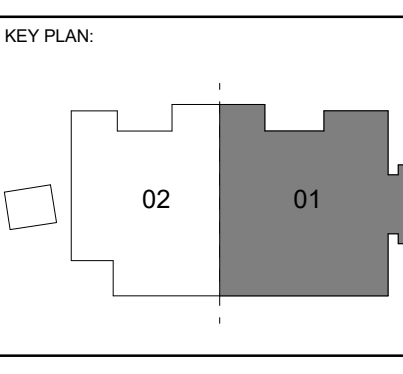
- MECHANICAL UNIT, COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
- OPERABLE PARTITION BELOW. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS. SEE A5 / S5.52 AND B5 / S5.52 FOR SUPPORT.
- MECHANICAL OPENING. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS. SEE C5 / S7.42
- HSS6x1/2 ELEVATOR RAIL SUPPORT POST. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE A2 / S5.41, B2 / S5.41, C2 / S5.41, AND D3 / S5.41.
- HSS6x1/4 COLLECTOR BLOCKING BETWEEN BEAMS. SEE D4 / S5.52. ATTACH BLOCKING TO DECK VALLEYS PER DECK SCHEDULE. PROVIDE 20 GAGE PLATE AS REQUIRED TO MAKE ATTACHMENT.
- 4\"/>



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**WILMA P. MANKILLER HEALTH CENTER  
EXPANSION**  
STILWELL, OKLAHOMA



PROJECT PHASE:  
**BID PACKAGE 01**

#	DATE	REVISIONS / DESCRIPTION
1	11/22/19	BID PACKAGE 01 - ADD 01
7	06/05/20	BID PACKAGE 01 - ADD 04
9	09/16/20	BID PACKAGE 01 - ADD 05

DATE: 07/28/20 JOB NUMBER: 18-01.01

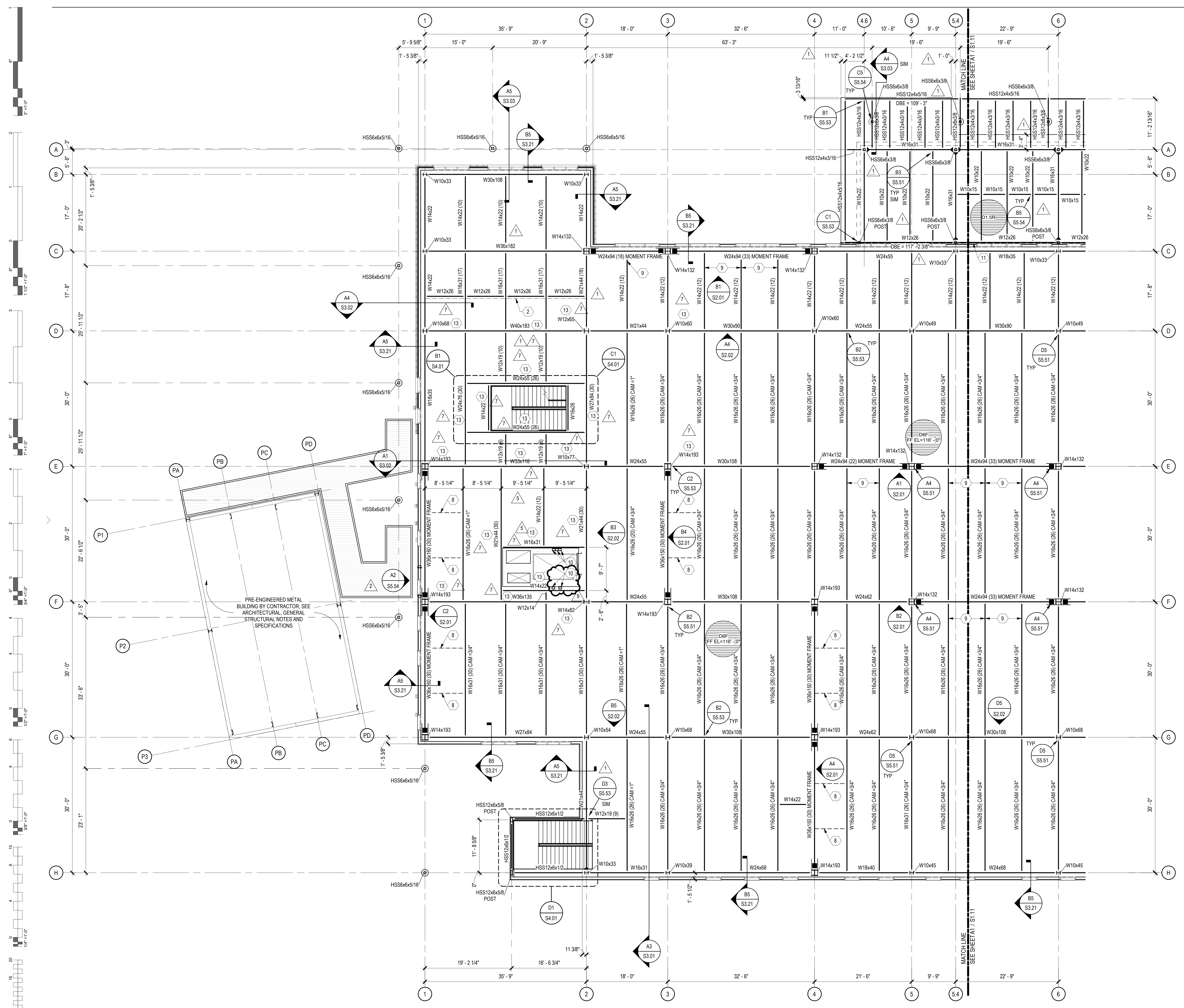
SHEET NUMBER: **S1.11**

FLOOR FRAMING PLAN - SECTOR 1

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





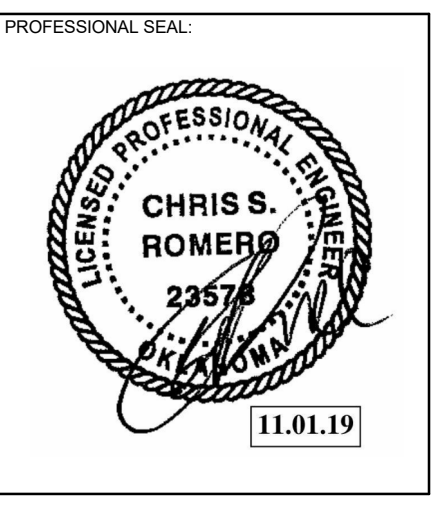
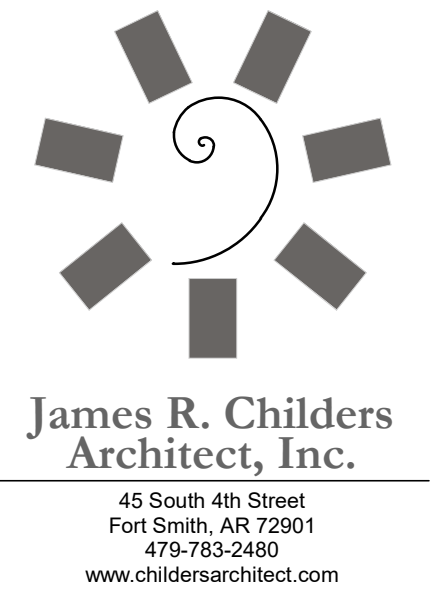


**GENERAL SHEET NOTES**

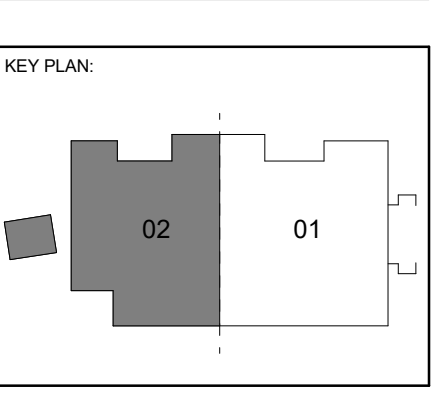
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- NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE MOMENT FRAMES. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICES.
- DIMENSIONS ARE TO THE FACE OF STUD UNLESS NOTED OTHERWISE.
- SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
- EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
- STRUCTURAL COLD FORMED METAL STUDS SHALL BE 60S162-43 AT 16" ON CENTER UNLESS NOTED OTHERWISE.
- BEAMS AND JOISTS ARE SPACED EQUALLY BETWEEN GRIDS AND COLUMNS UNLESS NOTED OTHERWISE.
- SEE SHEET S7.00 SERIES SHEETS FOR TYPICAL FLOOR FRAMING SECTIONS.
- SEE SHEET S6.01 FOR SCHEDULES.
- DENOTES MOMENT CONNECTION PER TYPICAL DETAILS.
- ◆ DENOTES SIDEPATE MOMENT CONNECTION. SEE SIDEPATE DRAWINGS.

**SHEET KEYNOTE**

- MECHANICAL UNIT. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
- OPERABLE PARTITION BELOW. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS. SEE A5 / S5.52 AND B5 / S5.52 FOR SUPPORT.
- MECHANICAL OPENING. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS. SEE C5 / S7.42
- HSS6x4x1/2 ELEVATOR RAIL SUPPORT POST. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE A2 / S5.41, B2 / S5.41, C2 / S5.41, AND D3 / S5.41.
- HSS6x4x1/4 COLLECTOR BLOCKING BETWEEN BEAMS. SEE D4 / S5.52. ATTACH BLOCKING TO DECK VALLEYS PER DECK SCHEDULE. PROVIDE 20 GAGE PLATE AS REQUIRED TO MAKE ATTACHMENT.
- 4" HOUSEKEEPING PAD REINFORCED WITH #4 @ 18" ON CENTER EACH WAY AND #4 VERT BOWELS DRILLED AND EPOXYED 2" INTO CONCRETE SLAB BELOW @ 48" ON CENTER EACH WAY (12" FROM EDGES AND CORNERS). PAD SHALL EXTEND 6" BEYOND FACE OF MECHANICAL UNIT ALL AROUND. COORDINATE EXACT SIZE AND LOCATION OF PAD WITH MECHANICAL DRAWINGS.
- EXISTING CANOPY. SEE ARCHITECTURAL DEMOLITION PLANS FOR EXTENT OF DEMOLITION.
- BOTTOM FLANGE BRACING AT EQUAL SPACING. UNLESS NOTED OTHERWISE, BRACE TO BE ATTACHED TO BOTTOM FLANGE OF BEAM NOTED AS MOMENT FRAME OR BRACED FRAME TO TOP FLANGE OF ADJACENT BEAM. SEE B3 / S5.52
- BOTTOM FLANGE BRACING. SEE A3 / S5.52
- HSS8x6x1/2 ELEVATOR RAIL SUPPORT BEAM. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE A1 / S5.41 AND B1 / S5.41 FOR TYPICAL DETAILS.
- 2" BUILDING EXPANSION JOINT. SEE ARCHITECTURAL DRAWINGS.
- SLAB EDGE TO BE LOCATED 6" FROM GRID. SEE S7.41 FOR SLAB EDGE DETAILS.
- STRUCTURAL MEMBER. INCLUDING ASSOCIATED DECK EDGE SUPPORT PER S7.21, SUPPORTING EXIT STAIRS AND/OR RATED ENCLOSURE. SEE LIFE SAFETY DRAWINGS FOR FIREPROOFING REQUIREMENTS.
- W8x35 (MINIMUM) ELEVATOR HOIST BEAM. TO S EL. - 117' - 1". SEE B3 / S5.51 FOR SHEAR CONNECTIONS. UNLESS NOTED OTHERWISE ON PLAN, CONTRACTOR TO COORDINATE LOCATION OF HOIST BEAM WITH SELECTED ELEVATOR MANUFACTURER.



**WILMA P. MANKILLER HEALTH CENTER  
EXPANSION**  
STILWELL, OKLAHOMA



PROJECT PHASE:  
BID PACKAGE 01

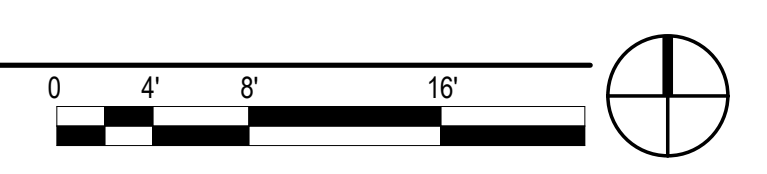
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3	03/19/20	RFI 005
4	06/09/20	BID PACKAGE 01 - ADD 04
5	08/19/20	BID PACKAGE 01 - ADD 05

DATE: 07/28/20 JOB NUMBER: 18-01.01

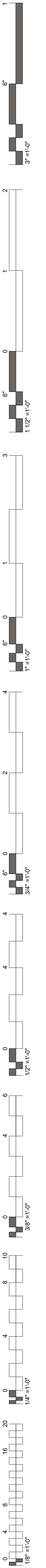
SHEET NUMBER: S1.12

FLOOR FRAMING PLAN - SECTOR 2

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

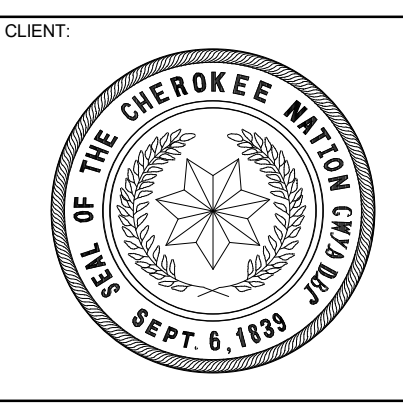
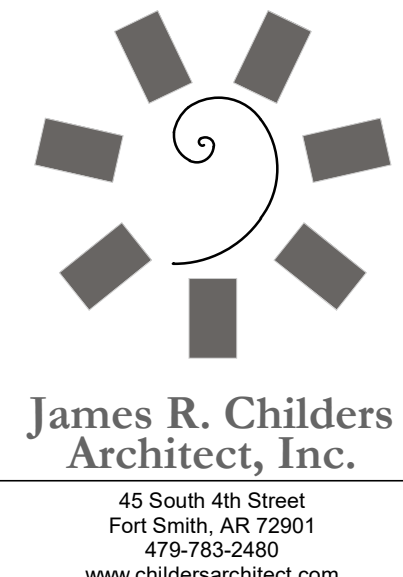






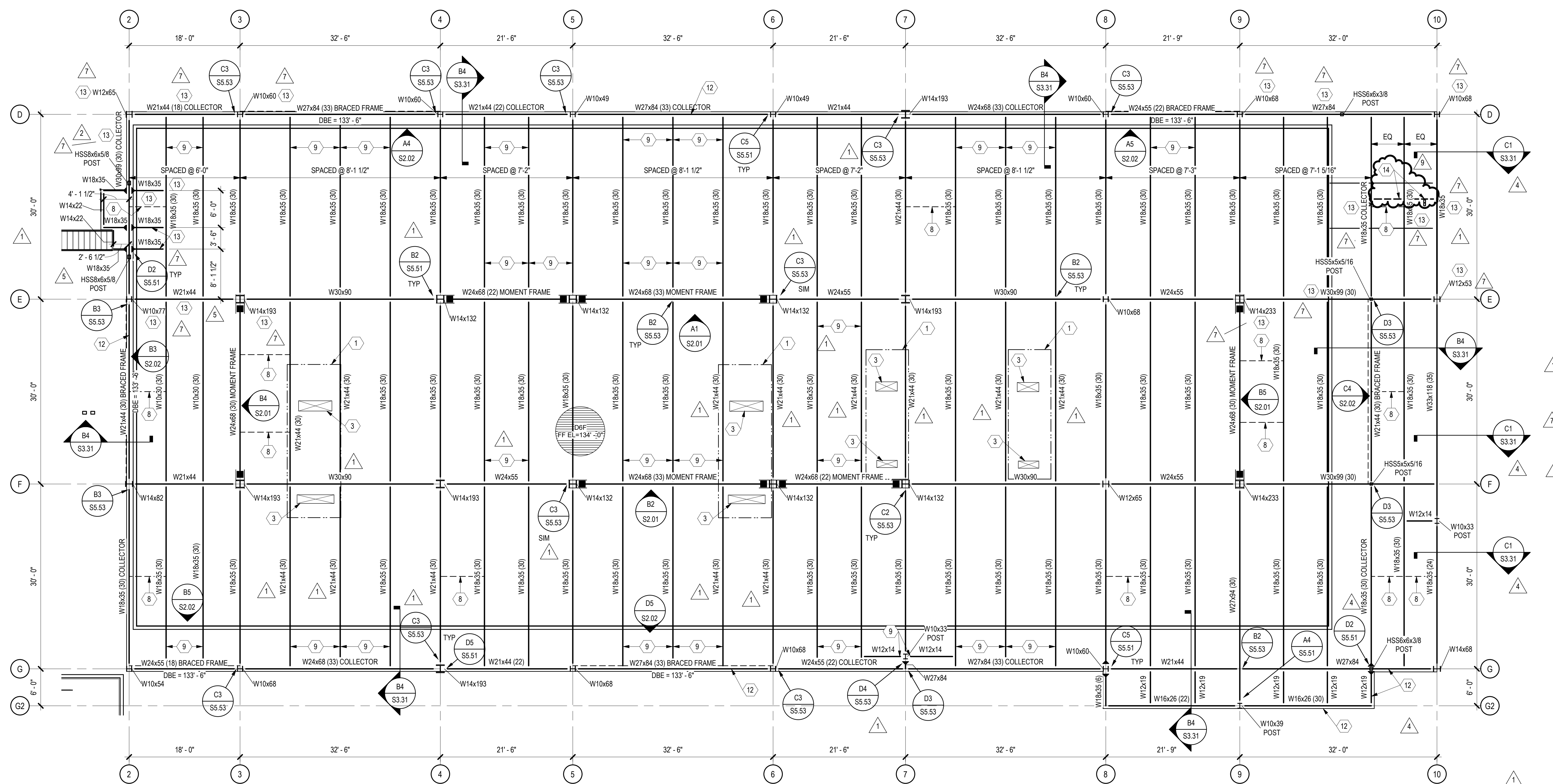
**GENERAL SHEET NOTES**

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE 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.
3. DIMENSIONS ARE TO THE FACE OF STUD UNLESS NOTED OTHERWISE.
4. SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
5. EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
6. STRUCTURAL COLD FORMED METAL STUDS SHALL BE 60S162-43 AT 16" ON CENTER UNLESS NOTED OTHERWISE.
7. BEAMS AND JOISTS ARE SPACED EQUALLY BETWEEN GRIDS AND COLUMNS UNLESS NOTED OTHERWISE.
8. SEE SHEET S7.00 SERIES SHEETS FOR TYPICAL FLOOR FRAMING SECTIONS.
9. SEE SHEET S6.01 FOR SCHEDULES.
10. DENOTES MOMENT CONNECTION PER TYPICAL DETAILS.
11. DENOTES SIDEPLATE MOMENT CONNECTION. SEE SIDEPLATE DRAWINGS.



**SHEET KEYNOTE**

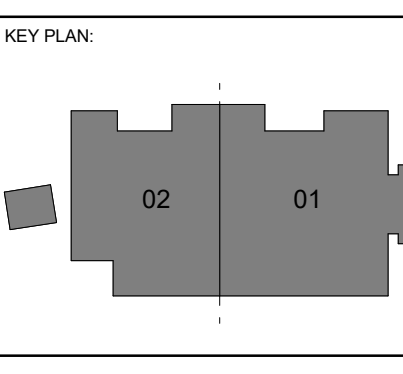
1. MECHANICAL UNIT. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
2. OPERABLE PARTITION BELOW. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS. SEE A5 / S5.52 AND B5 / S5.52 FOR SUPPORT.
3. MECHANICAL OPENING. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS. SEE C5 / S7.42
4. HSS6x4x1/2 ELEVATOR RAIL SUPPORT POST. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE A2 / S5.41, B2 / S5.41, C2 / S5.41, AND D3 / S5.41.
5. HSS6x4x1/4 COLLECTOR BRACING BETWEEN BEAMS. SEE D4 / S5.52. ATTACH BLOCKING TO DECK VALLEYS PER DECK SCHEDULE. PROVIDE 20 GAGE PLATE AS REQUIRED TO MAKE ATTACHMENT.
6. 4" HOUSEKEEPING PAD REINFORCED WITH #4 @ 18" ON CENTER EACH WAY AND #4 VERT DOUELS DRILLED AND EPOXYED 2" INTO CONCRETE SLAB BELOW @ 48" ON CENTER EACH WAY (12" FROM EDGES AND CORNERS). PAD SHALL EXTEND 6" BEYOND FACE OF MECHANICAL UNIT ALL AROUND. COORDINATE EXACT SIZE AND LOCATION OF PAD WITH MECHANICAL DRAWINGS.
7. EXISTING CANOPY. SEE ARCHITECTURAL DEMOLITION PLANS FOR EXTENT OF DEMOLITION.
8. BOTTOM FLANGE BRACING AT EQUAL SPACING. UNLESS NOTED OTHERWISE, BRACE TO BE ATTACHED TO BOTTOM FLANGE OF BEAM NOTED AS MOMENT FRAME OR BRACED FRAME TO TOP FLANGE OF ADJACENT BEAM. SEE B3 / S5.52
9. BOTTOM FLANGE BRACING. SEE A3 / S5.52
10. HSS6x4x1/2 ELEVATOR RAIL SUPPORT BEAM. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE A1 / S5.41 AND B1 / S5.41 FOR TYPICAL DETAILS.
11. 2" BUILDING EXPANSION JOINT. SEE ARCHITECTURAL DRAWINGS.
12. SLAB EDGE TO BE LOCATED 6" FROM GRID. SEE S7.41 FOR SLAB EDGE DETAILS.
13. STRUCTURAL MEMBER, INCLUDING ASSOCIATED DECK EDGE SUPPORT PER S7.21, SUPPORTING EXIT STAIRS AND/OR RATED ENCLOSURE. SEE LIFE SAFETY DRAWINGS FOR FIREPROOFING REQUIREMENTS.
14. W8x35 (MINIMUM) ELEVATOR HOIST BEAM. TO S EL - 117' - 1". SEE B3 / S5.51 FOR SHEAR CONNECTIONS, UNLESS NOTED OTHERWISE ON PLAN. CONTRACTOR TO COORDINATE LOCATION OF HOIST BEAM WITH SELECTED ELEVATOR MANUFACTURER.



**A1 LOW ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"



**WILMA P. MANKILLER HEALTH CENTER  
EXPANSION**  
STILWELL, OKLAHOMA



PROJECT PHASE:  
BID PACKAGE 01

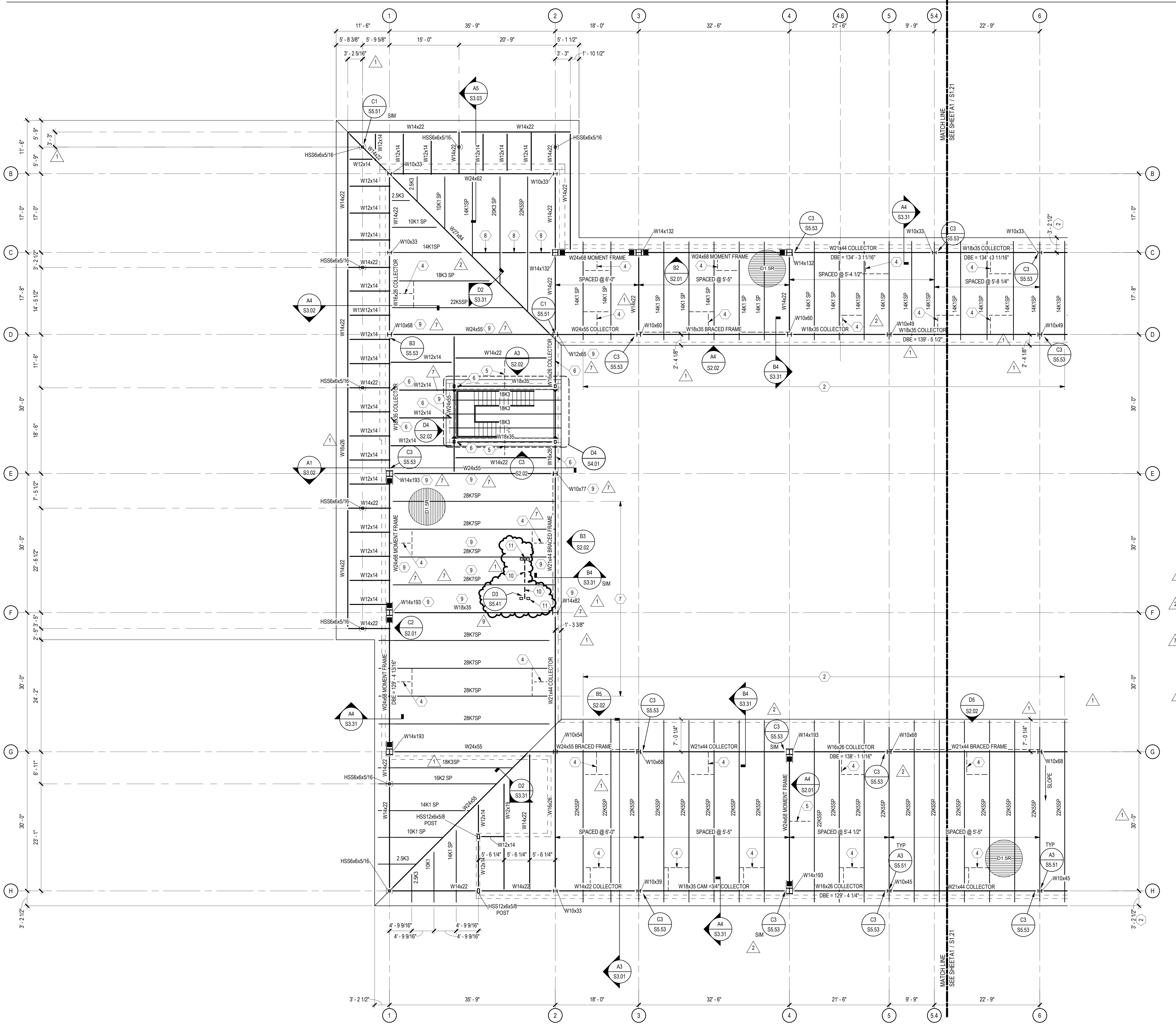
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4	06/02/20	BID PACKAGE 01 - ASI 04
5	08/16/20	BID PACKAGE 01 - ASI 05

DATE: 07/28/20 JOB NUMBER: 18-01.01

SHEET NUMBER:  
**S1.13**

LOW ROOF FRAMING PLAN



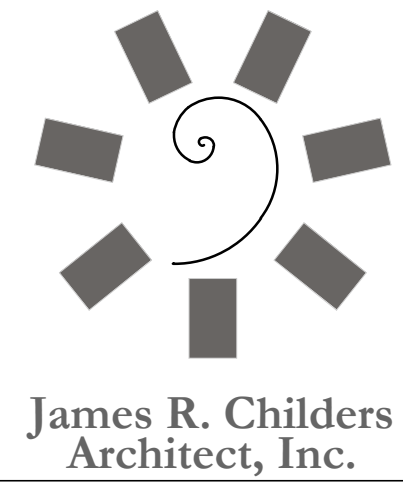


**GENERAL SHEET NOTES**

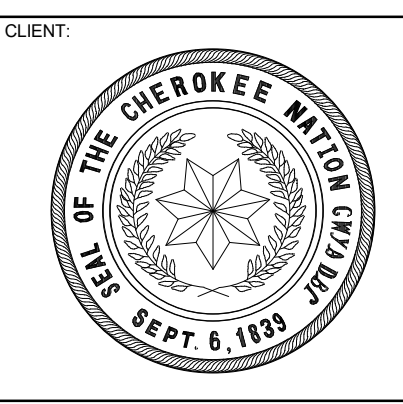
1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
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3. DIMENSIONS ARE TO THE FACE OF STUD UNLESS NOTED OTHERWISE.
4. SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
5. EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
6. BEAMS AND JOISTS ARE SPACED EQUALLY BETWEEN GRIDS AND COLUMNS UNLESS NOTED OTHERWISE.
7. PROVIDE JOIST BRIDGING PER THE 42ND EDITION OF THE SJI SPECIFICATIONS AND OSHA REQUIREMENTS.
8. STEEL JOIST MANUFACTURER SHALL DESIGN ROOF JOISTS AND ROOF JOIST CHORDS SUPPORTING MECHANICAL UNITS FOR 1.2x MECHANICAL UNIT WEIGHTS SHOWN. USE 28 PSF DEAD LOAD AND 20 PSF LIVE LOAD UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY ACTUAL MECHANICAL LOADS. NOTIFY STEEL JOIST MANUFACTURER OF ANY DISCREPANCIES.
9. STRUCTURAL COLD FORMED METAL STUDS SHALL BE 6" IN WIDTH, UNLESS NOTED OTHERWISE.
10. SEE SHEET S7.00 SERIES SHEETS FOR TYPICAL ROOF FRAMING SECTIONS.
11. SEE SHEET S6.01 FOR SCHEDULES.
12. DENOTES MOMENT CONNECTION PER TYPICAL DETAILS.
13. DENOTES SIDEPLATE MOMENT CONNECTION. SEE SIDEPLATE DRAWINGS.
14. PROVIDE HSSx6x1/2 SEAT DEPTHx1/4 BETWEEN JOISTS AT ALL BEAMS LABELED AS: MOMENT FRAME, BRACED FRAME, AND COLLECTOR. SEE C2 / S7.41

**SHEET KEYNOTE**

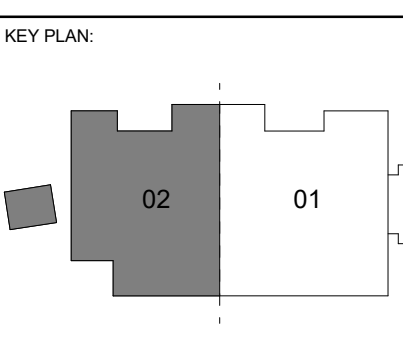
1. MECHANICAL UNIT. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
2. JOIST EXTENDED END. DESIGN EXTENDED END FOR 20 PSF DEAD LOAD, 20 PSF LIVE LOAD, AND ANY POSITIVE OR NEGATIVE WIND PRESSURES PER ROOF WIND LOADING DIAGRAM ON S0.03. DEPTH OF EXTENDED END PER JOIST MANUFACTURER.
3. HSSx6x1/2 ELEVATOR RAIL SUPPORT POST. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE A2 / S5.41, B2 / S5.41, C2 / S5.41, AND D3 / S5.41.
4. BOTTOM FLANGE BRACE AT EQUAL SPACING, UNLESS NOTED OTHERWISE. BRACE TO BE ATTACHED TO BOTTOM FLANGE OF BEAM NOTED AS MOMENT FRAME OR BRACED FRAME AND TO TOP FLANGE OF ADJACENT BEAM OR JOIST. SEE B3 / S5.52. JOISTS TO BE DESIGNED FOR 1,500# VERTICAL (REVERSIBLE) WIND AND SEISMIC LOAD FROM BRACE.
5. BOTTOM FLANGE BRACING AT EQUAL SPACING, UNLESS NOTED OTHERWISE. SEE D1 / S5.51. JOISTS TO BE DESIGNED FOR 1,500# VERTICAL (REVERSIBLE) WIND AND SEISMIC LOAD FROM BRACE.
6. BOTTOM FLANGE BRACING ANGLE. SEE A3 / S5.52
7. R1 JOIST EXTENDED END.
8. 14x4x3/8 BETWEEN JOISTS. PROVIDE DECK ATTACHMENTS PER SCHEDULE AT ANGLES.
9. STRUCTURAL MEMBER, INCLUDING ASSOCIATED DECK EDGE SUPPORT PER S7.21, SUPPORTING EXIT STAIRS AND/OR RATED ENCLOSURE. SEE LIFE SAFETY DRAWINGS FOR FIREPROOFING REQUIREMENTS.
10. W8x35 (MINIMUM) ELEVATOR HOIST BEAM. TOP EL. - 117' - 1". SEE B3 / S5.51 FOR SHEAR CONNECTIONS, UNLESS NOTED OTHERWISE ON PLAN. CONTRACTOR TO COORDINATE LOCATION OF HOIST BEAM WITH SELECTED ELEVATOR MANUFACTURER.
11. SEE C1 / S5.41 FOR GUIDERAIL SUPPORT BRACING CONNECTIONS.



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



**WILMA P. MANKILLER HEALTH CENTER  
EXPANSION**  
STILWELL, OKLAHOMA



PROJECT PHASE:  
BID PACKAGE 01

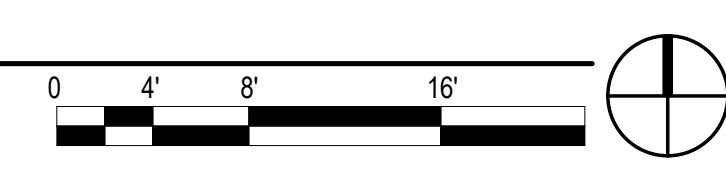
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1	11/22/19	BID PACKAGE 01 - ADD 01
2	12/19/19	BID PACKAGE 01 - ADD 02
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9	09/16/20	BID PACKAGE 01 - ASI 02

DATE: 07/28/20 JOB NUMBER: 18-01.01

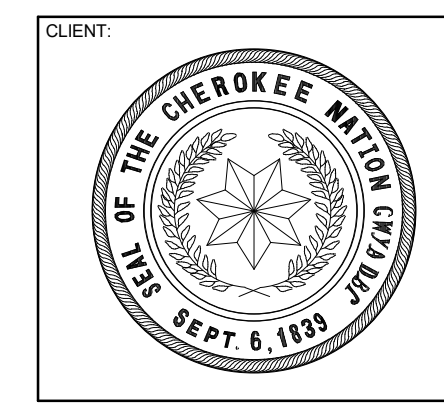
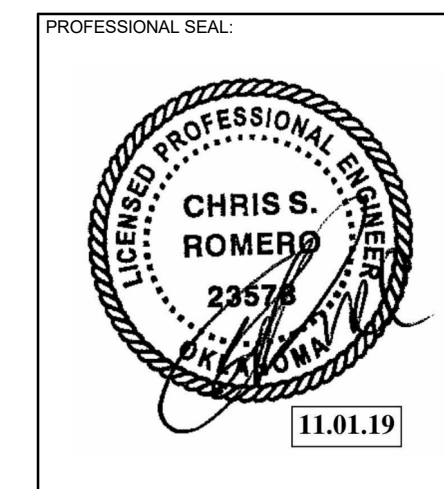
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ROOF FRAMING PLAN - SECTOR 2

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







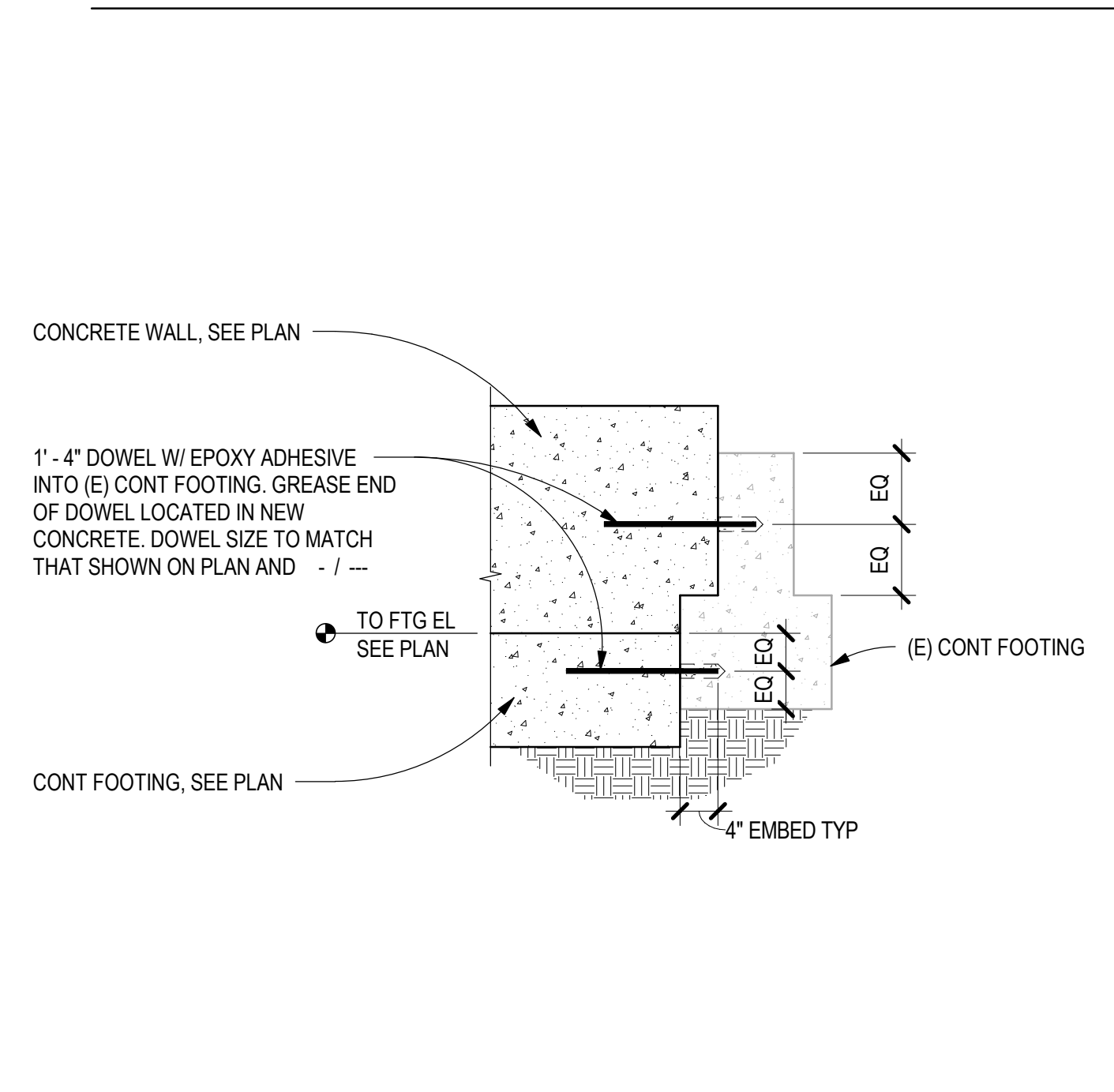
WILMA P. MANKILLER HEALTH CENTER  
EXPANSION  
STILWELL, OKLAHOMA

KEY PLAN:  
PROJECT PHASE:  
BID PACKAGE 01

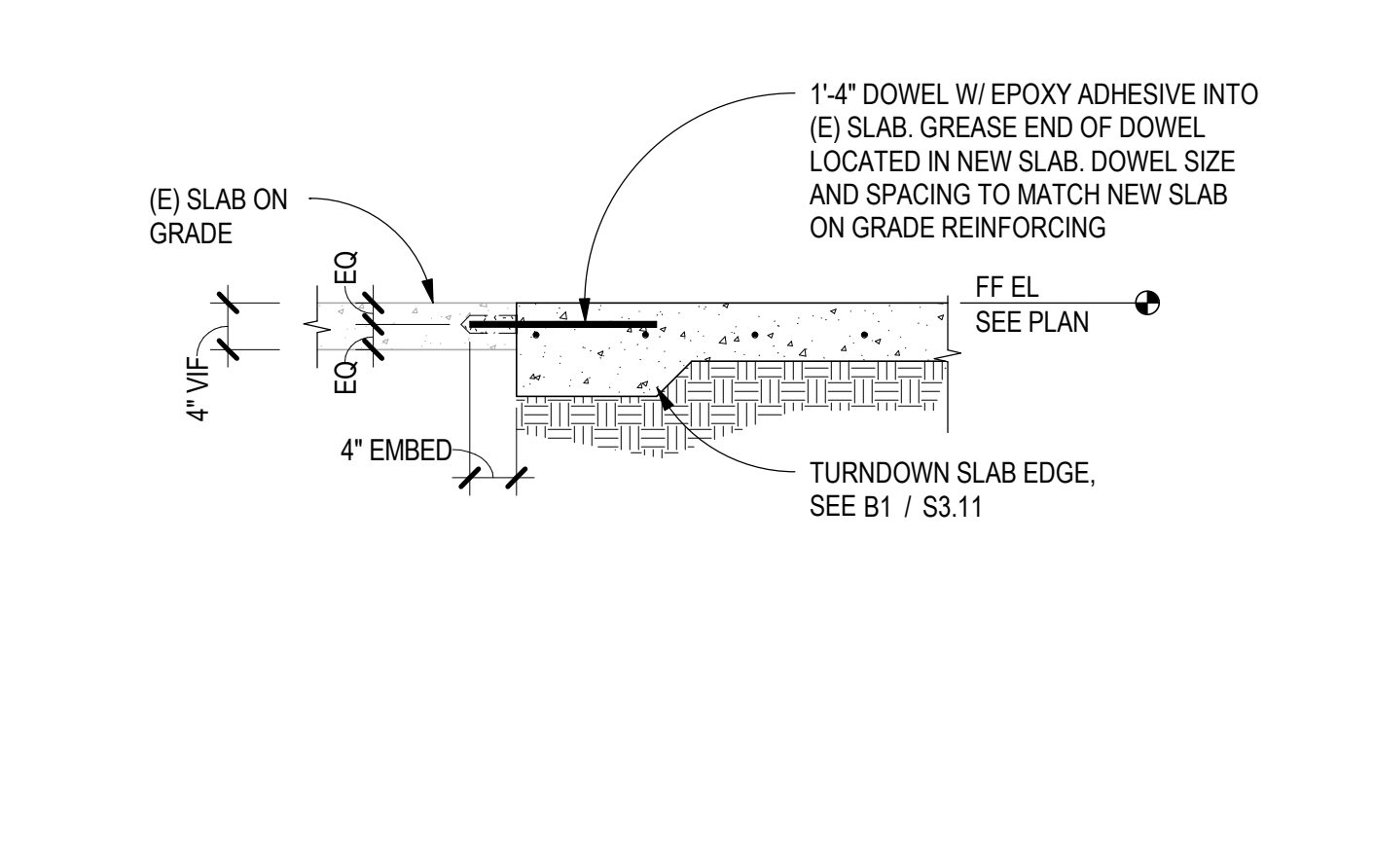
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4	09/16/20	BID PACKAGE 01 - ASB 02

DATE: 07/28/20  
JOB NUMBER: 18-01.01

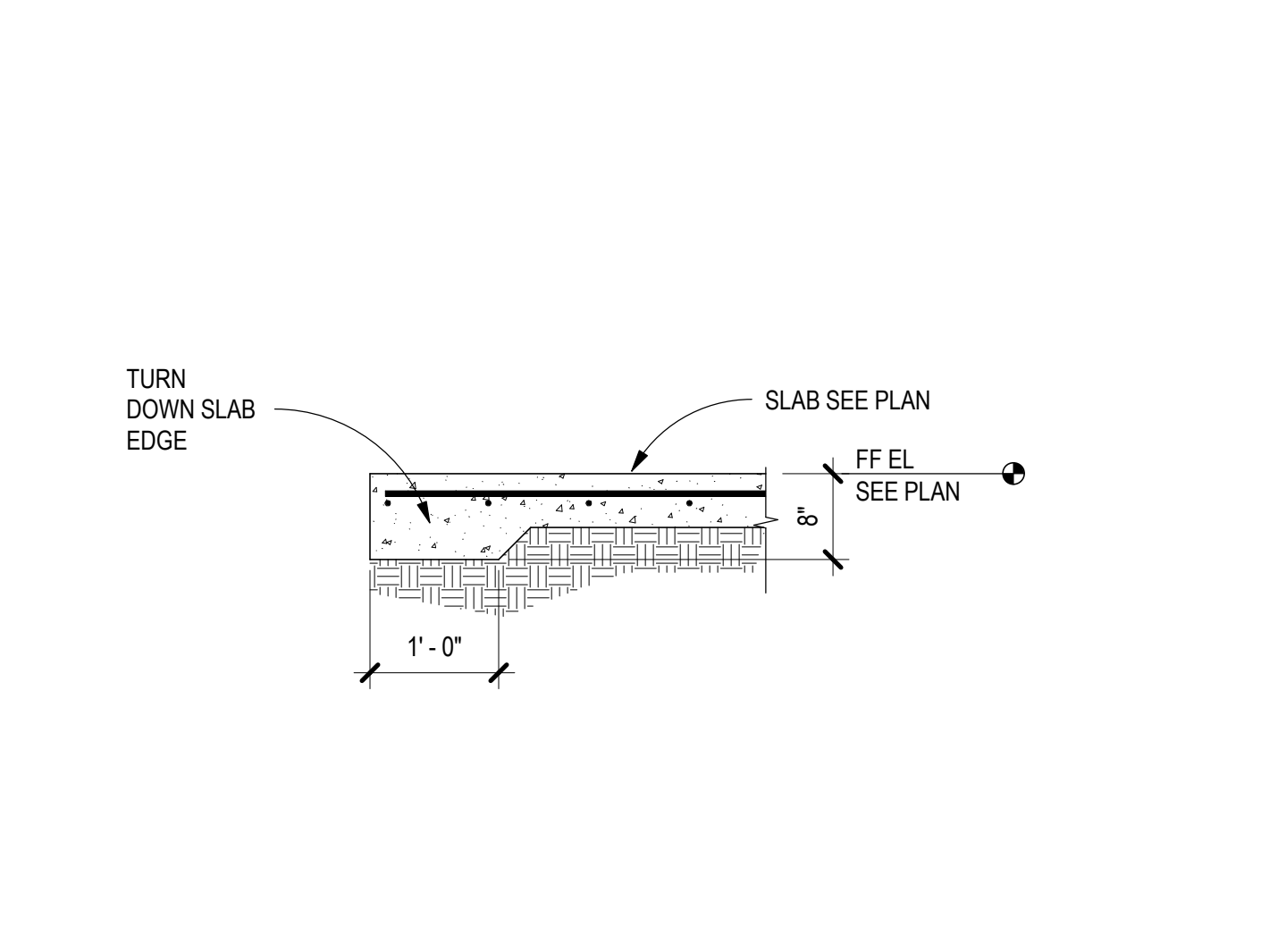
SHEET NUMBER:  
S3.11  
FOUNDATION SECTIONS



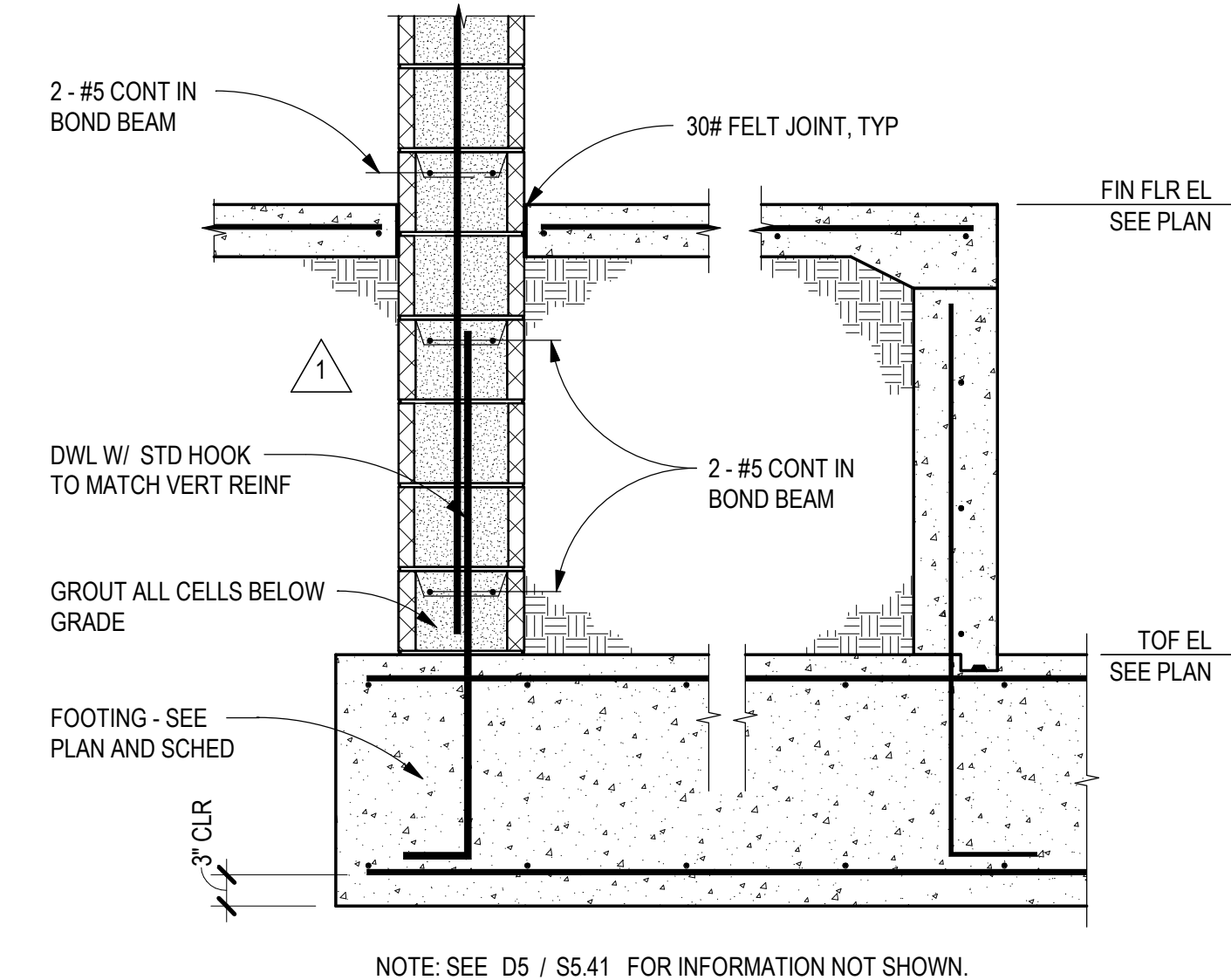
**D1 DOWEL INTO (E) CONTINUOUS FOOTING**  
SCALE: 3/4" = 1'-0"



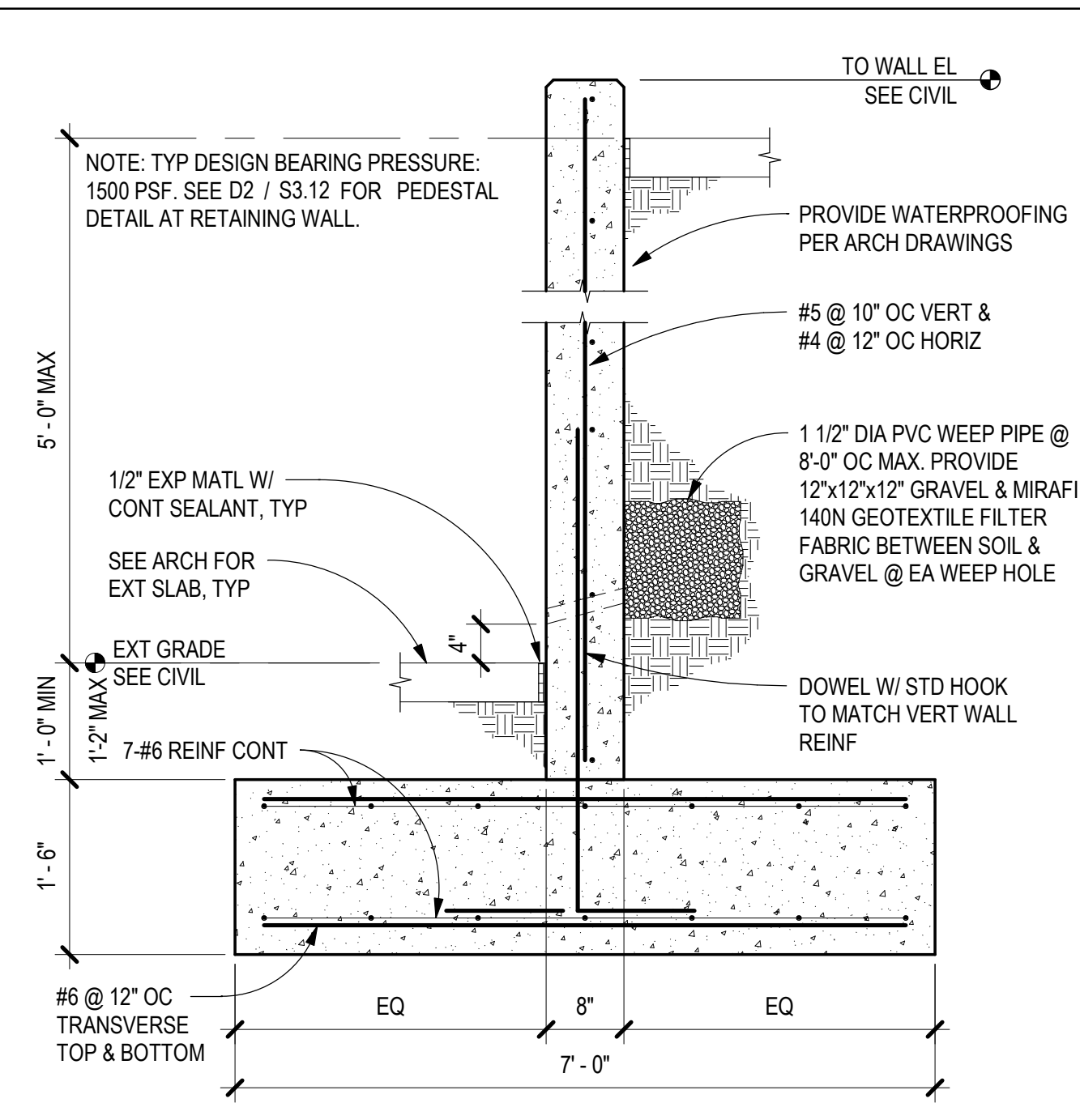
**C1 DOWEL INTO (E) SLAB ON GRADE**  
SCALE: 3/4" = 1'-0"



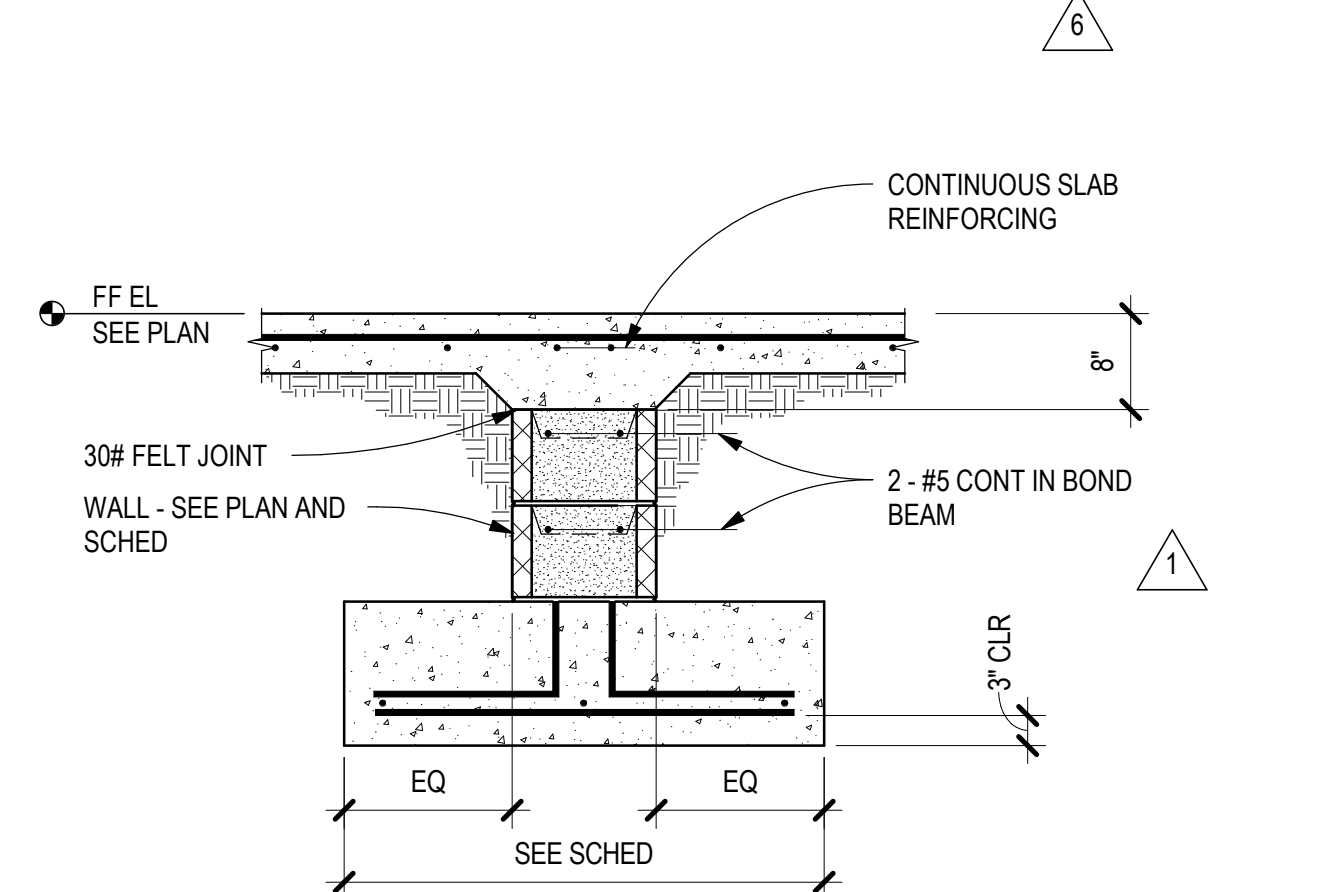
**B1 TYP TURN DOWN SLAB EDGE**  
SCALE: 3/4" = 1'-0"



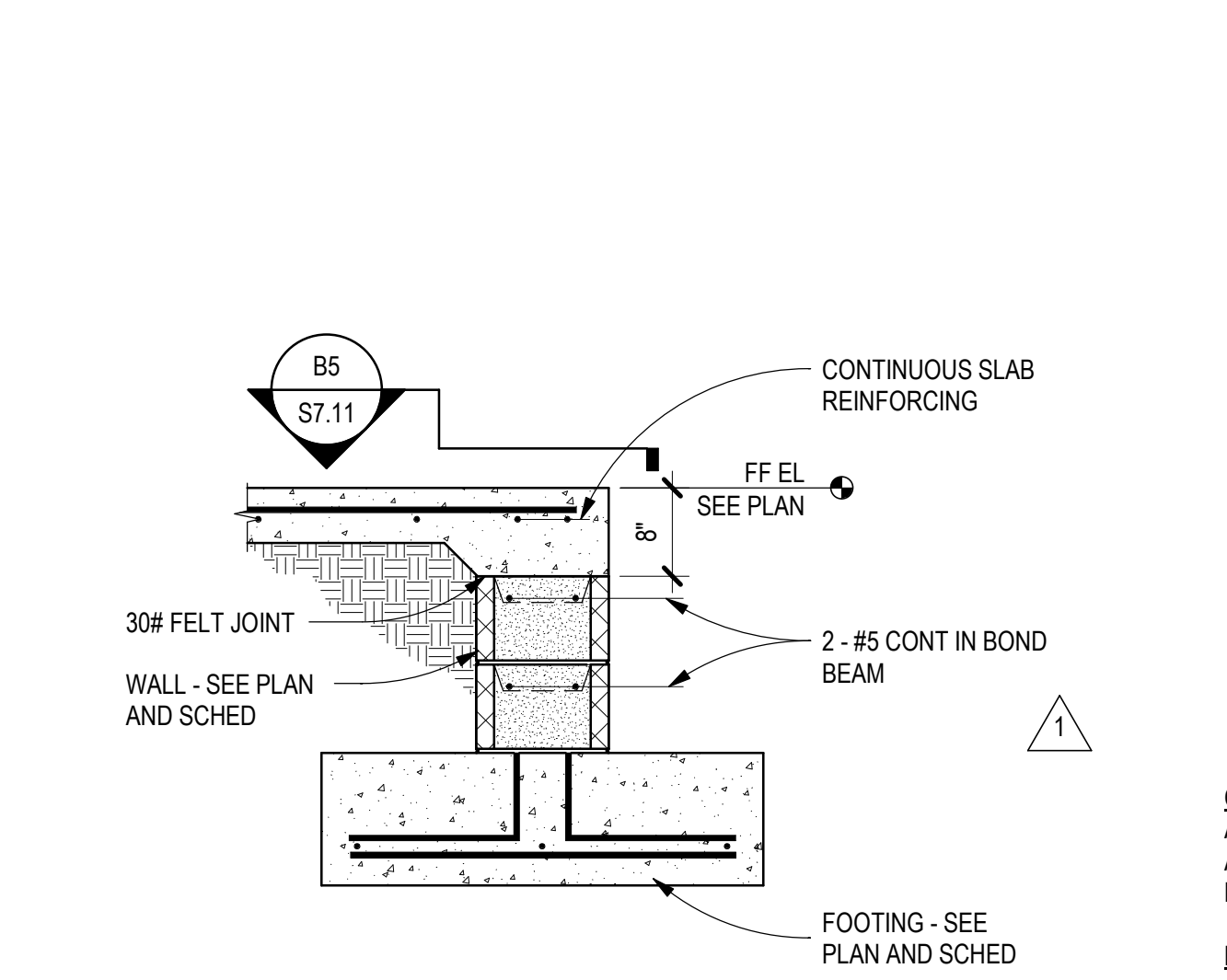
**A1 FOUNDATION SECTION @ ELEVATOR**  
SCALE: 3/4" = 1'-0"



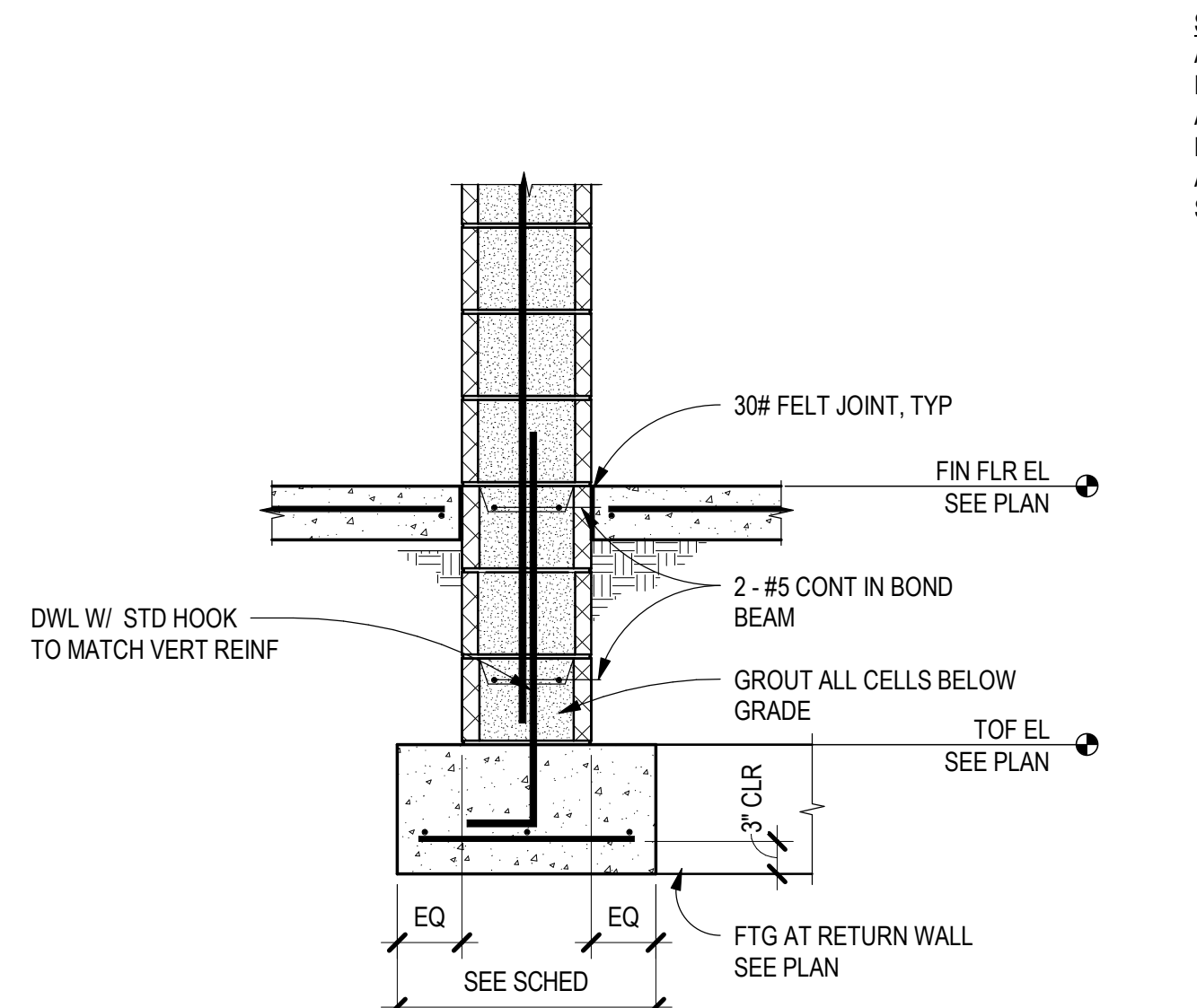
**D2 RETAINING WALL SECTION**  
SCALE: 3/4" = 1'-0"



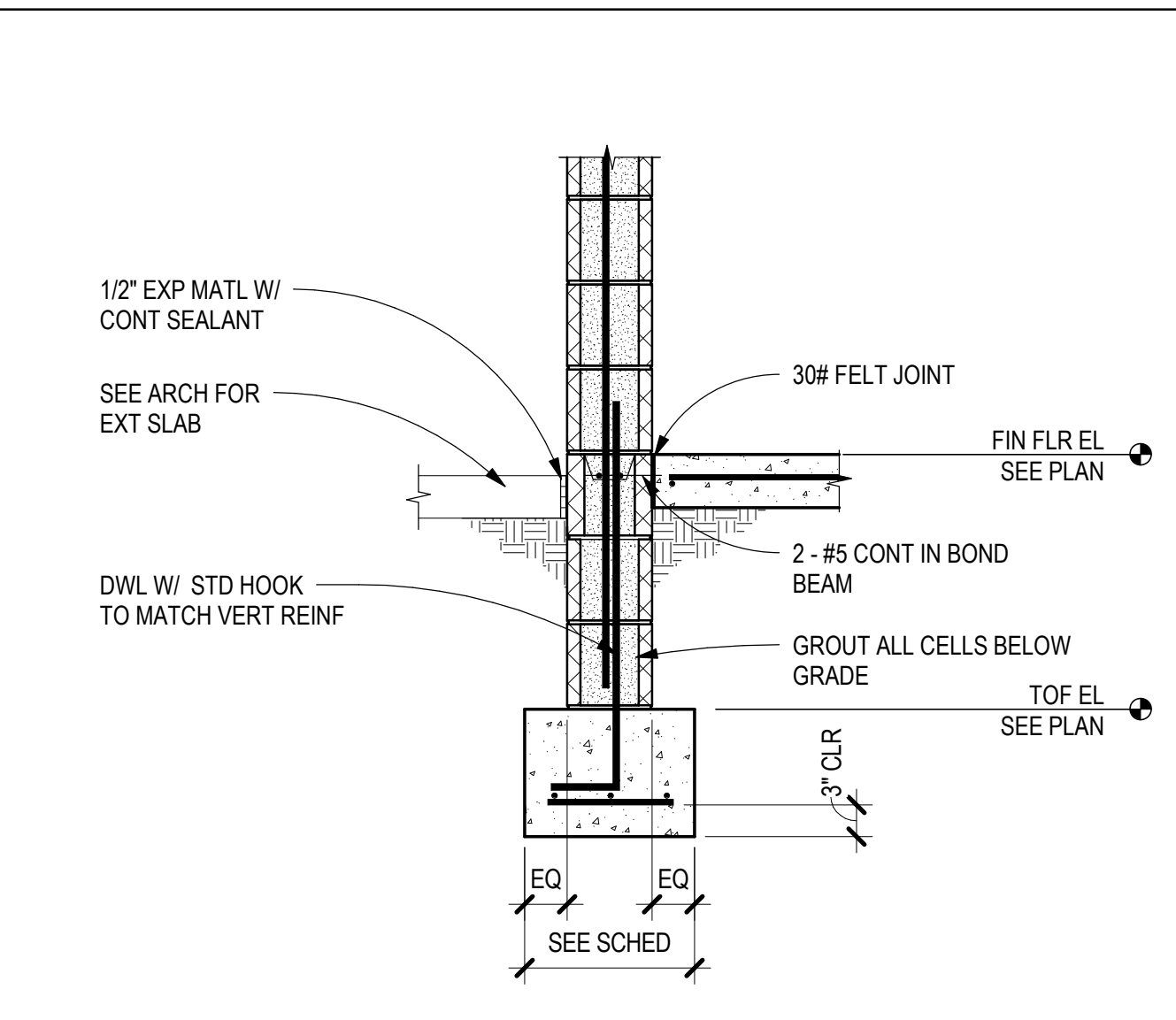
**C2 INT SECTION @ DOORWAYS CMU**  
SCALE: 3/4" = 1'-0"



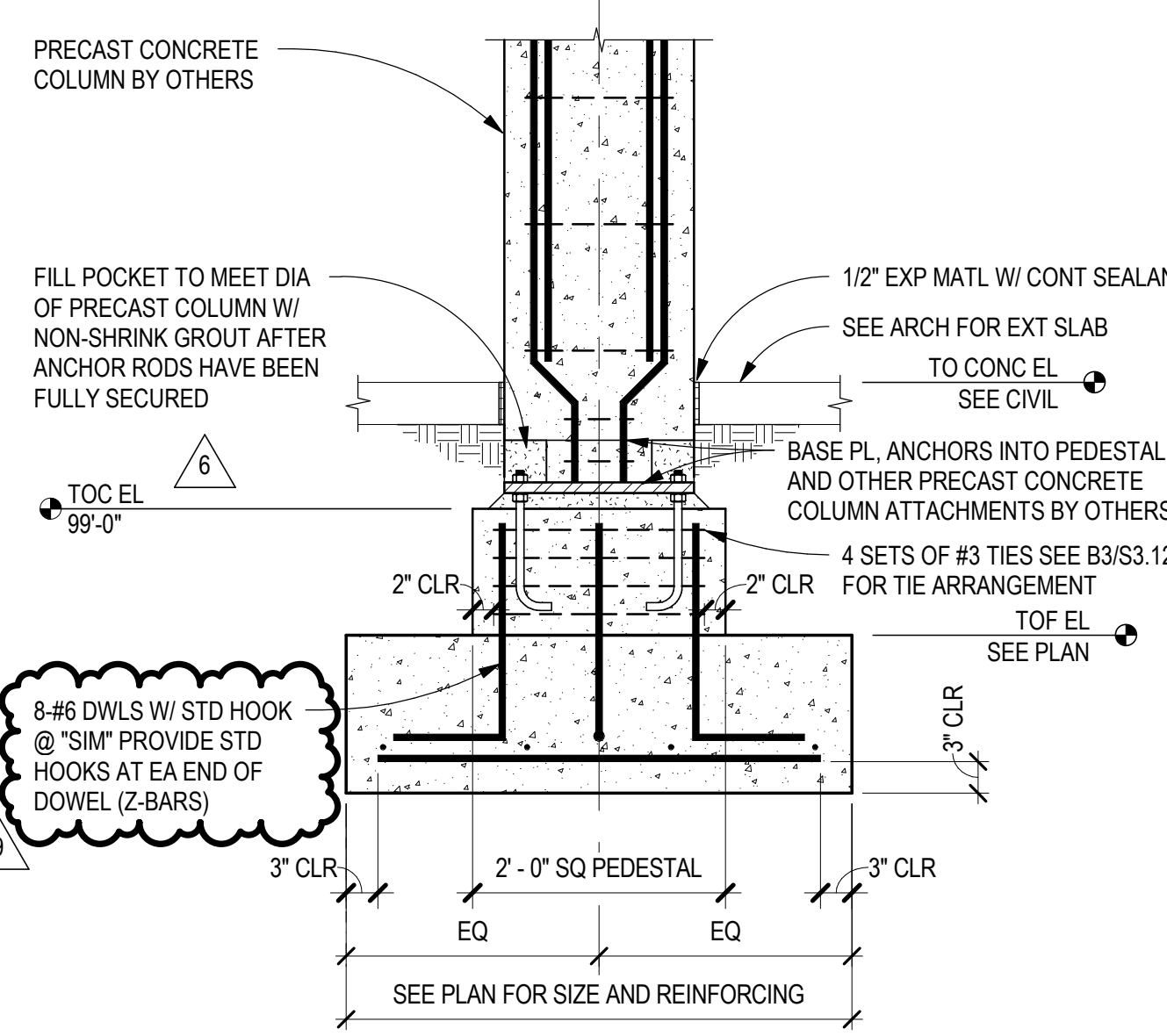
**B2 PERIM SECTION AT DOORWAYS CMU**  
SCALE: 3/4" = 1'-0"



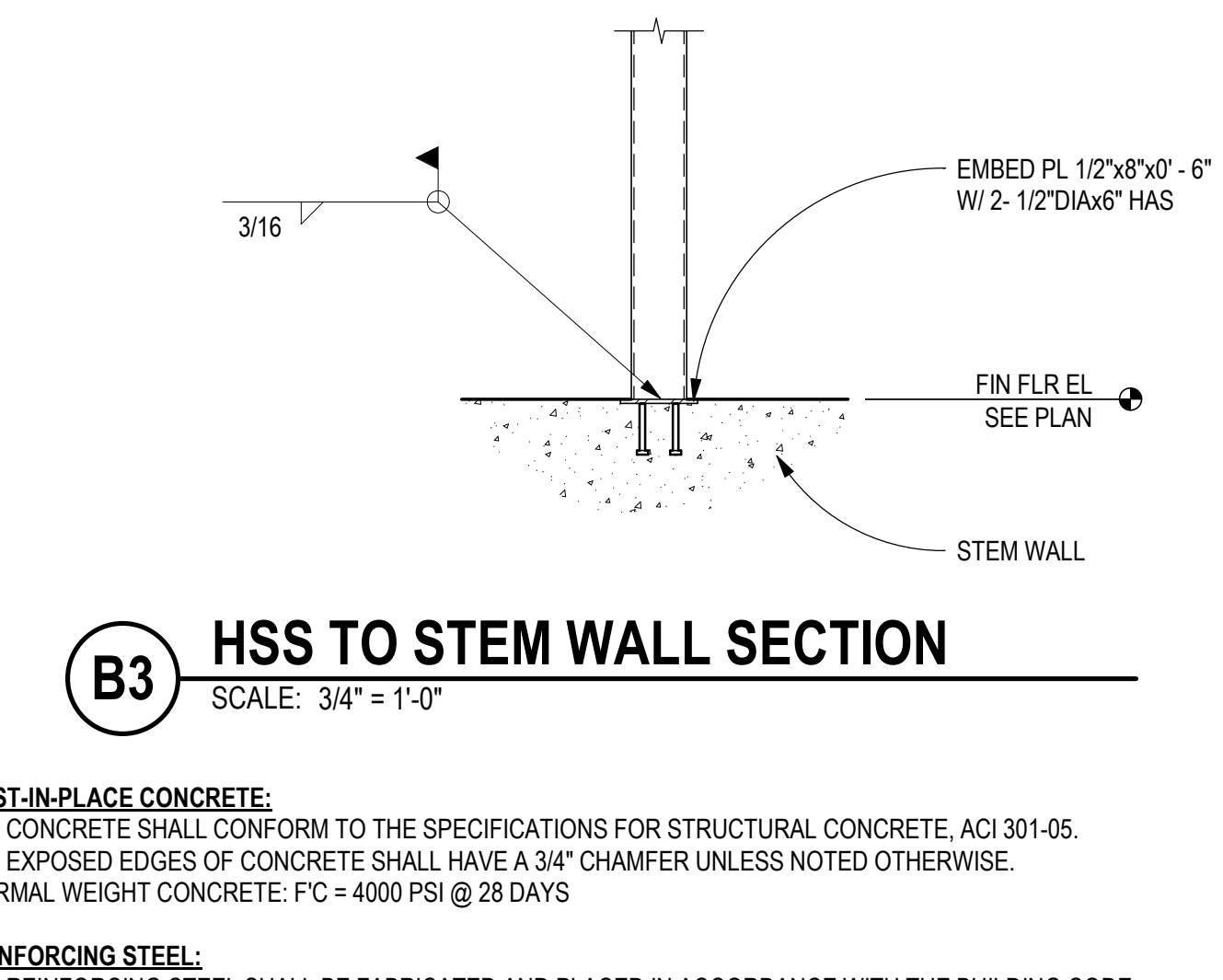
**A2 PERIMETER FOUNDATION SECTION**  
SCALE: 3/4" = 1'-0"



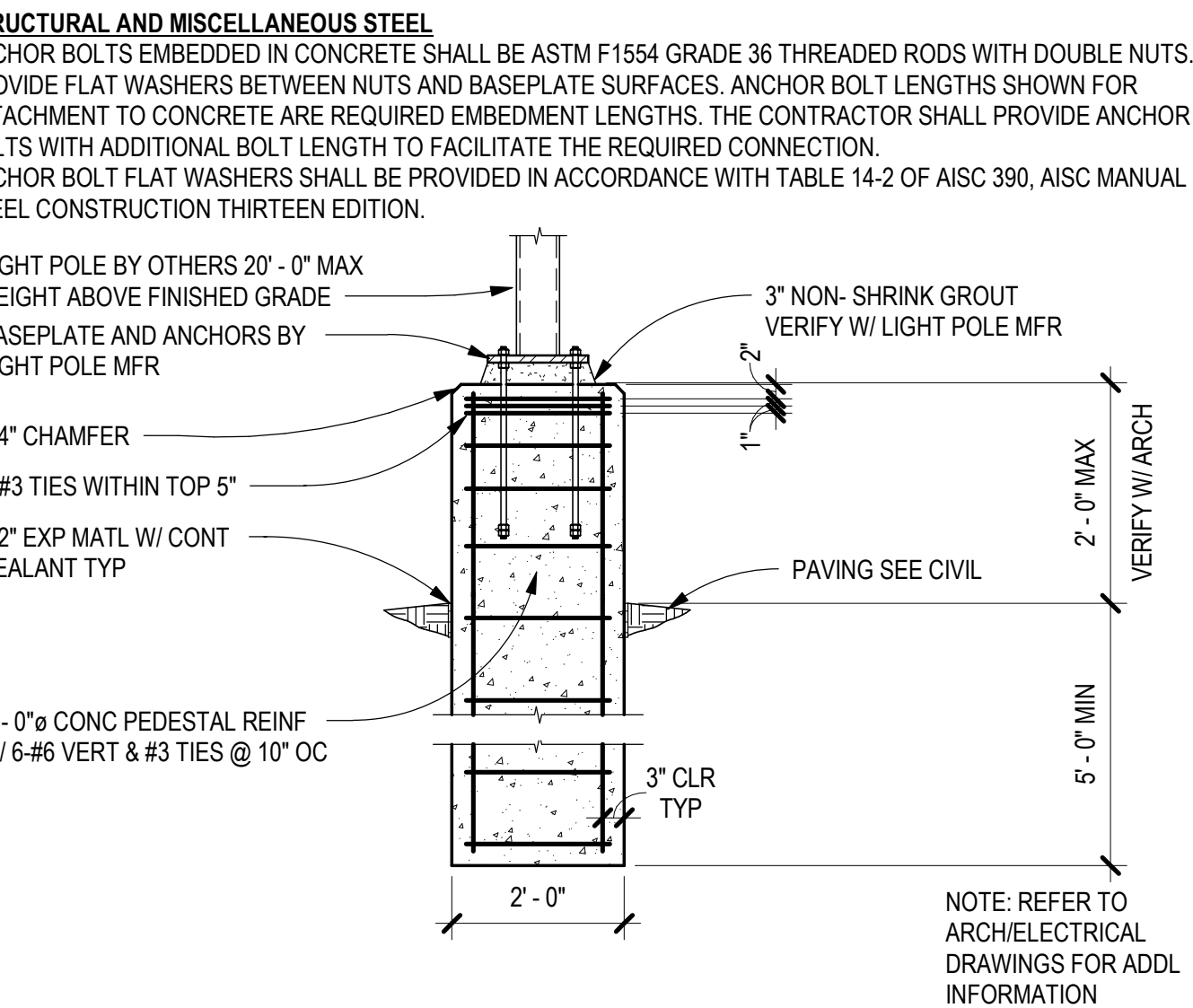
**D3 PERIMETER FOUNDATION SECTION**  
SCALE: 3/4" = 1'-0"



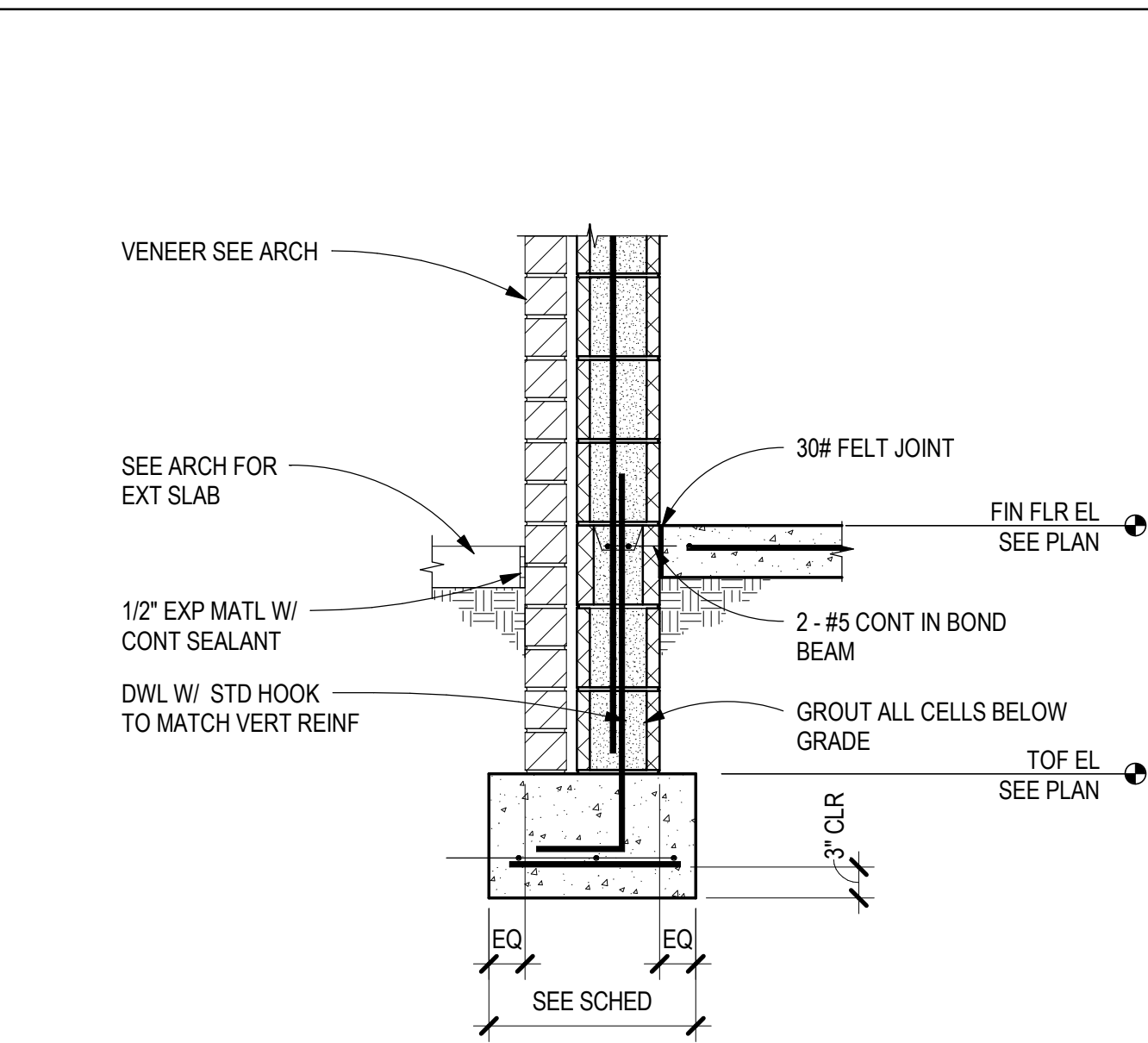
**C3 EXT CONC COLUMN SECTION**  
SCALE: 3/4" = 1'-0"



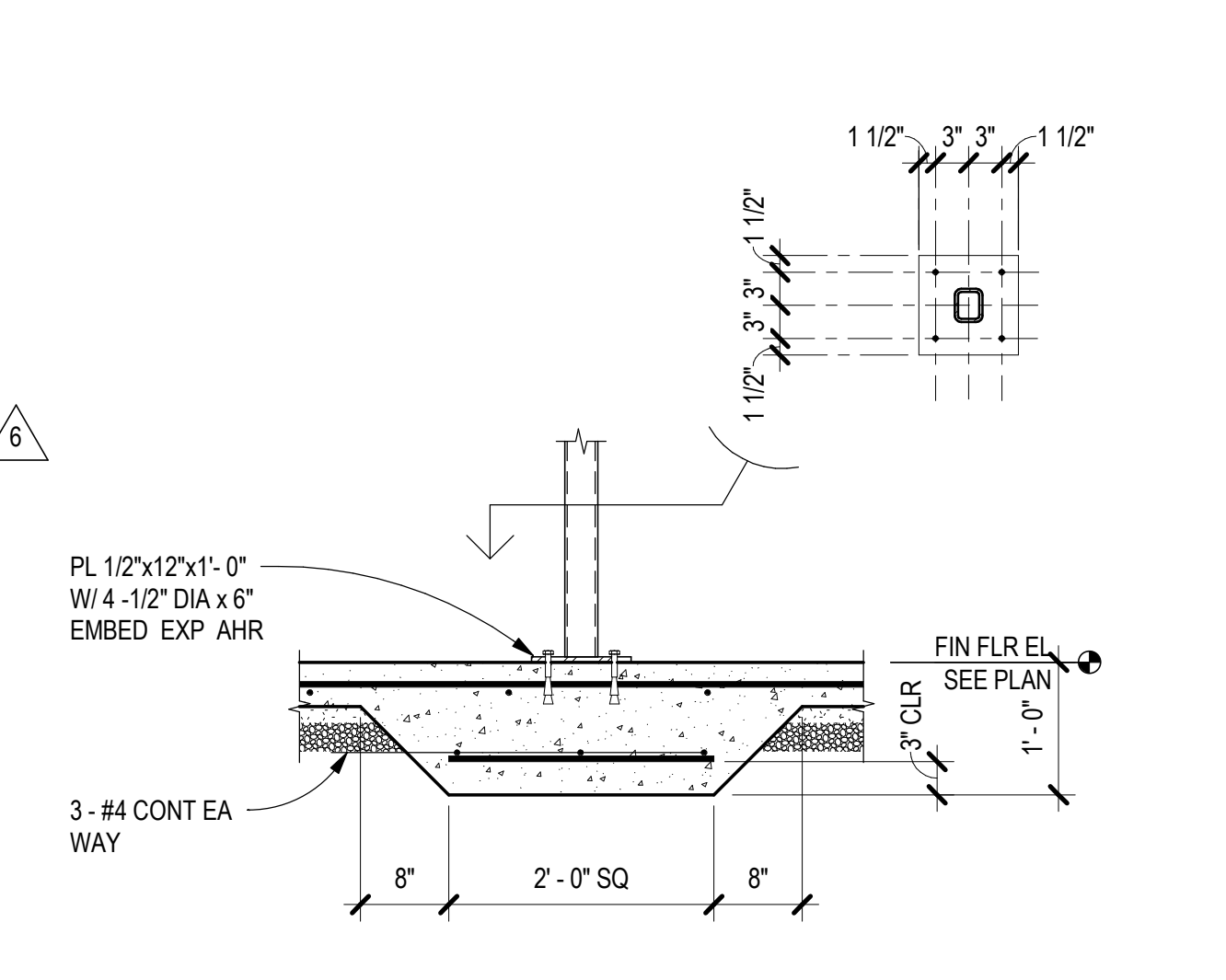
**B3 HSS TO STEM WALL SECTION**  
SCALE: 3/4" = 1'-0"



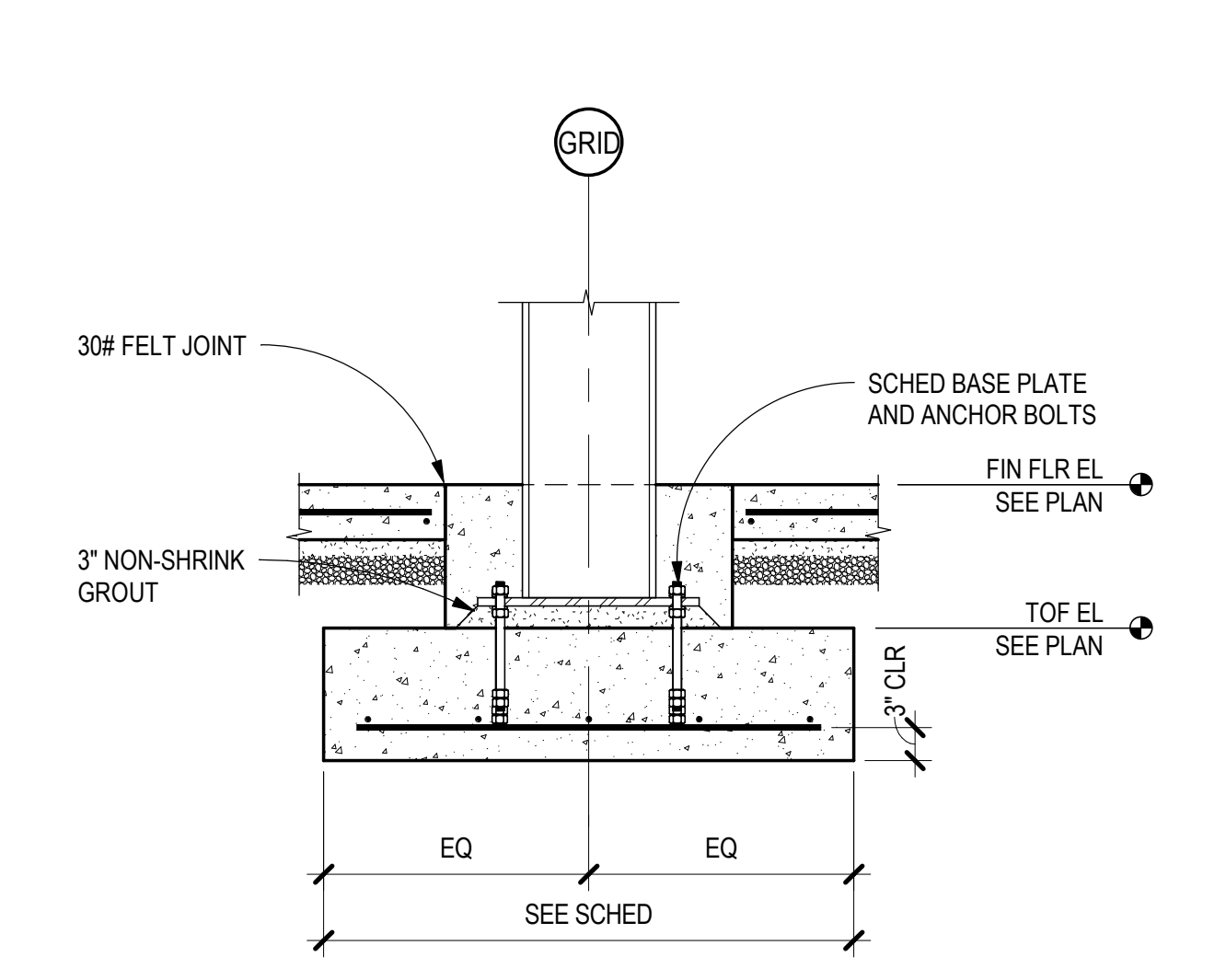
**A3 LIGHT POLE BASE**  
SCALE: 1/2" = 1'-0"



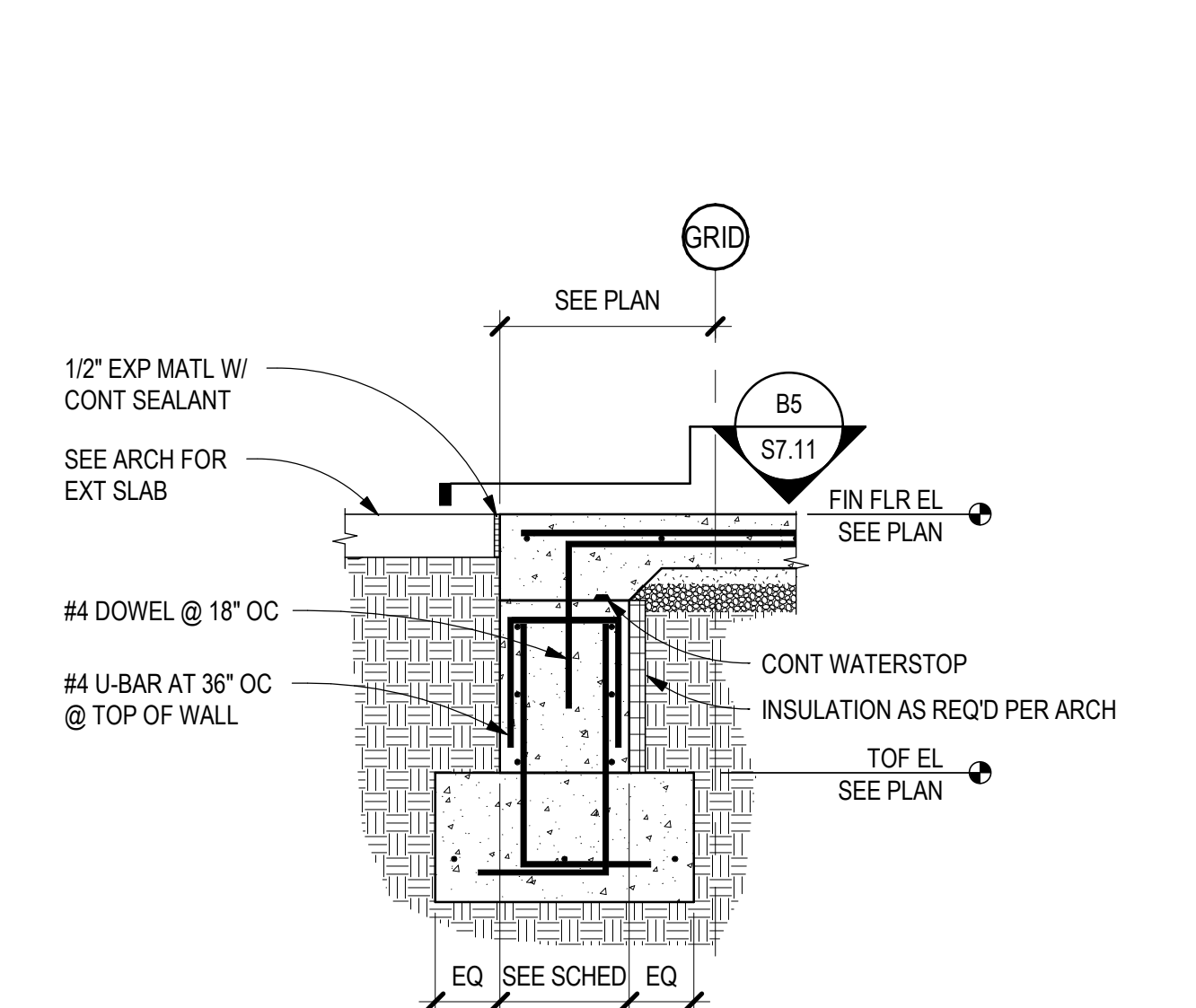
**D4 PERIMETER FOUNDATION SECTION**  
SCALE: 3/4" = 1'-0"



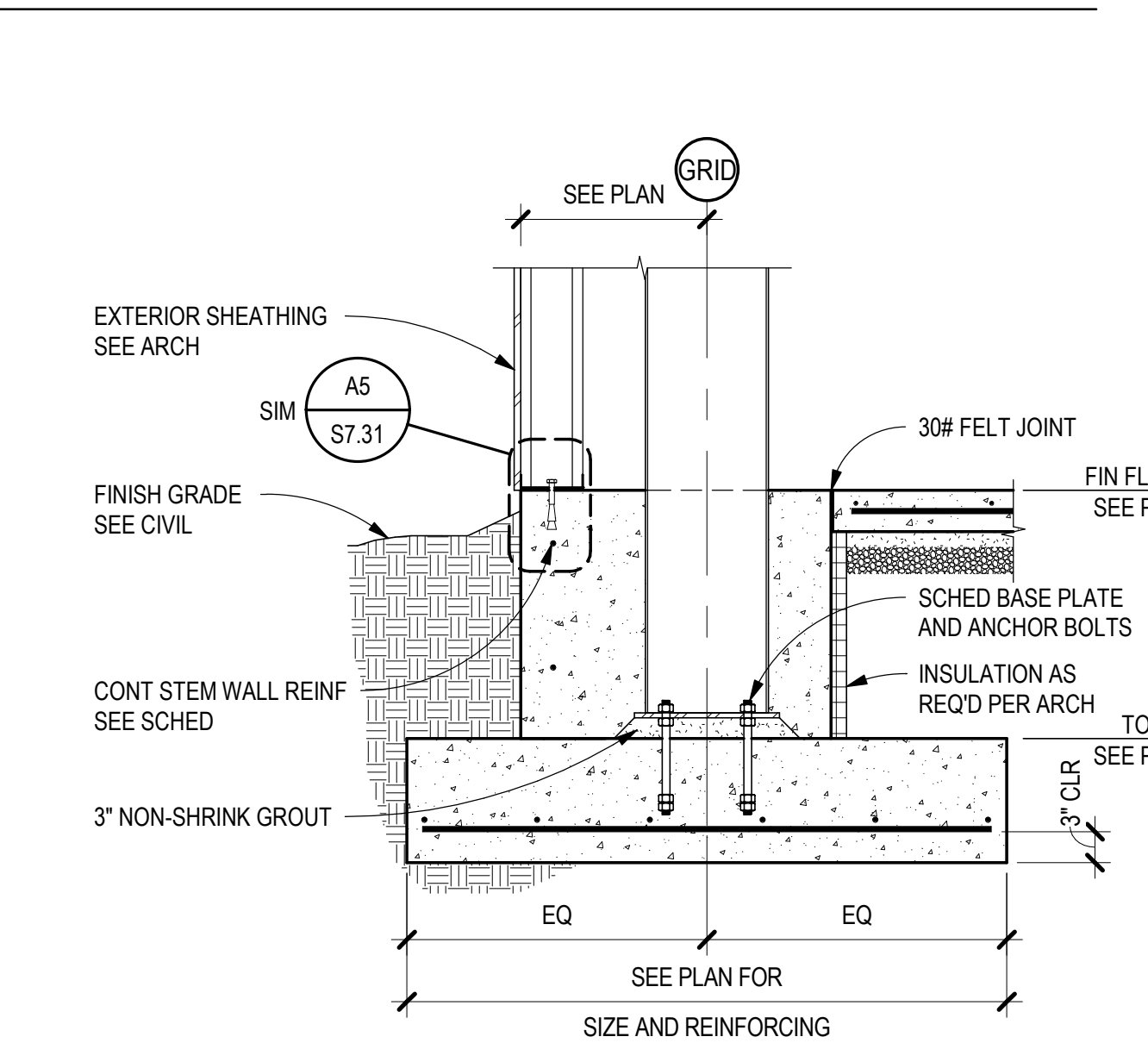
**C4 INT COLUMN AT THICKENED SLAB**  
SCALE: 3/4" = 1'-0"



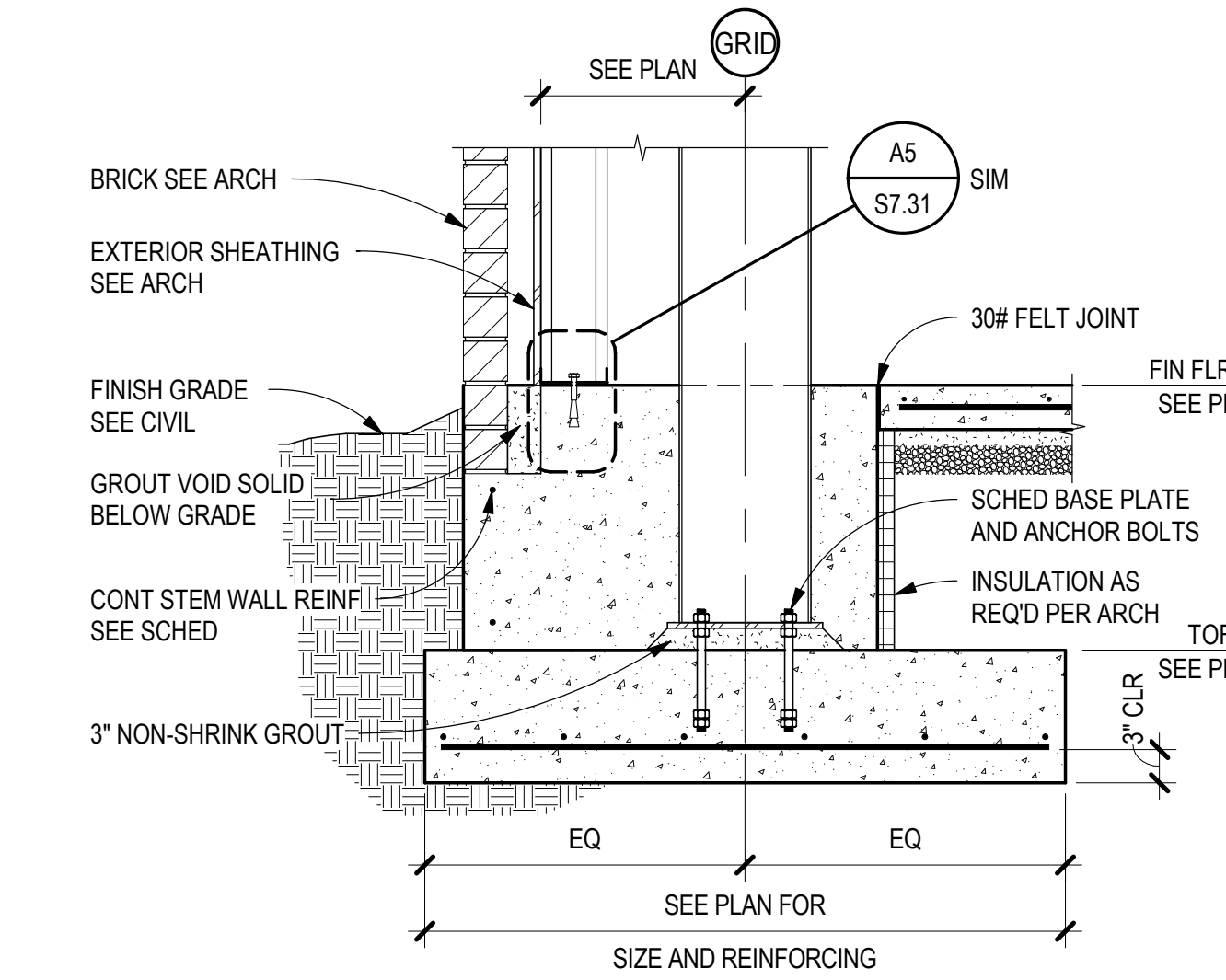
**B4 INTERIOR COLUMN SECTION**  
SCALE: 3/4" = 1'-0"



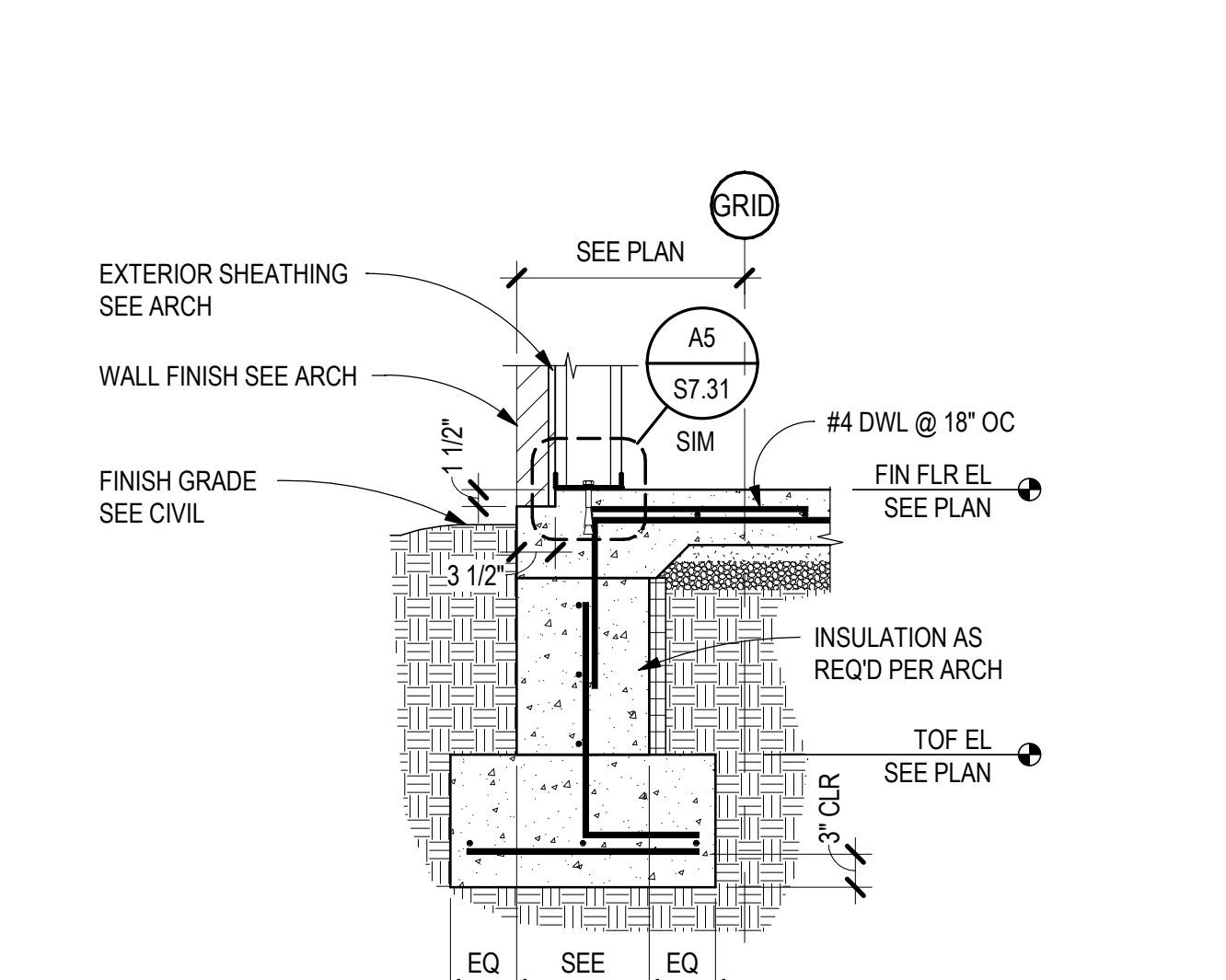
**A4 FOUNDATION SECTION AT DOORWAY**  
SCALE: 3/4" = 1'-0"



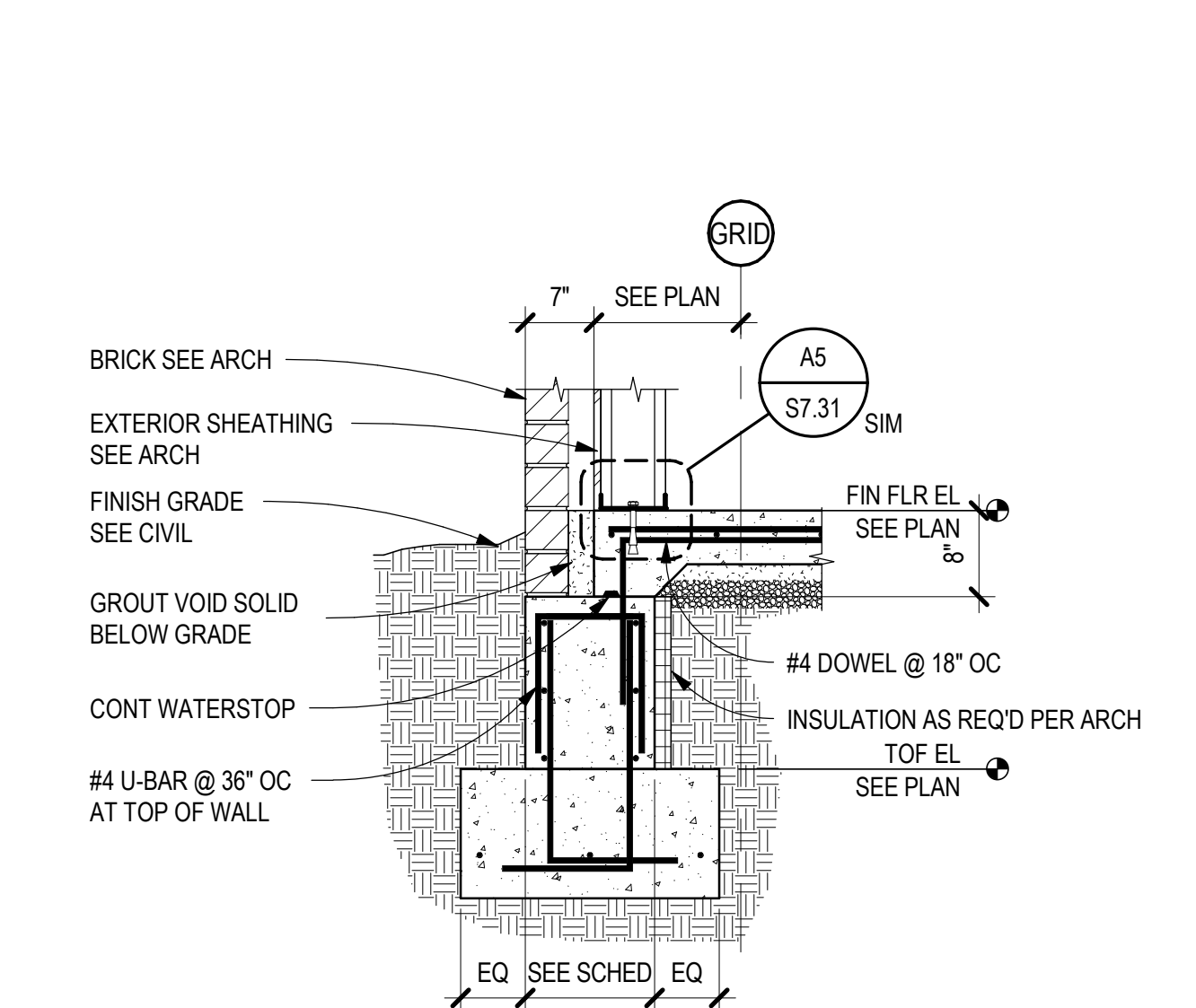
**D5 FOUNDATION SECTION**  
SCALE: 3/4" = 1'-0"



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



**B5 FOUNDATION SECTION NO VENEER**  
SCALE: 3/4" = 1'-0"



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

**CAST-IN-PLACE CONCRETE:**  
ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-05. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE. NORMAL WEIGHT CONCRETE: FC = 4000 PSI @ 28 DAYS

**REINFORCING STEEL:**  
ALL REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-08), AND DETAILS AND DETAILING OF CONCRETE REINFORCEMENT (ACI 315-99). ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60; EXCEPT STIRRUPS, TIES AND INDICATED FIELD BARS, WHICH SHALL CONFORM TO ASTM A615 GRADE 40. REINFORCING SHALL NOT BE TACK WELDED OR WELDED IN ANY MANNER UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS.

**STRUCTURAL AND MISCELLANEOUS STEEL**  
ANCHOR BOLTS EMBEDDED IN CONCRETE SHALL BE ASTM F1554 GRADE 36 THREADED RODS WITH DOUBLE NUTS. PROVIDE FLAT WASHERS BETWEEN NUTS AND BASEPLATE SURFACES. ANCHOR BOLT LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHOR BOLTS WITH ADDITIONAL BOLT LENGTH TO FACILITATE THE REQUIRED CONNECTION. ANCHOR BOLT FLAT WASHERS SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 14-2 OF AISC 390, AISC MANUAL OF STEEL CONSTRUCTION THIRTEEN EDITION.

LIGHT POLE BY OTHERS 20'-0" MAX HEIGHT ABOVE FINISHED GRADE. BASEPLATE AND ANCHORS BY LIGHT POLE MFR.

3/4" CHAMFER

3-#3 TIES WITHIN TOP 5"

1/2" EXP MATL W/ CONT SEALANT TYP

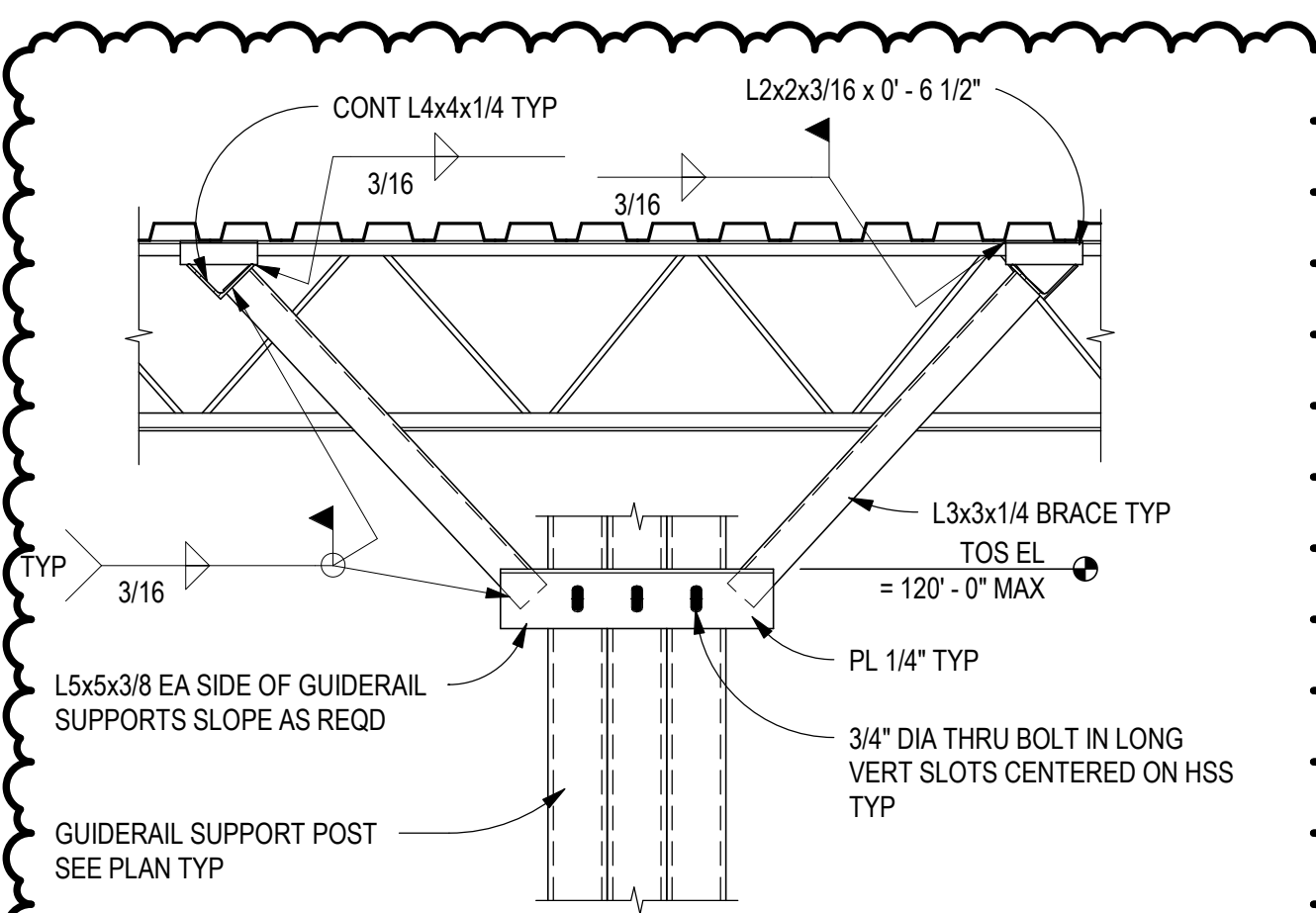
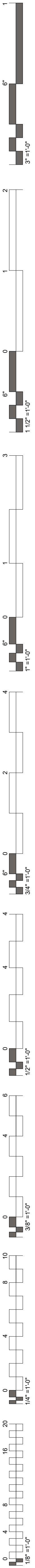
2'-0" CONC PEDESTAL REINF W/ 6-#6 VERT & #3 TIES @ 10" OC

3" NON-SHRINK GROUT. VERIFY W/ LIGHT POLE MFR

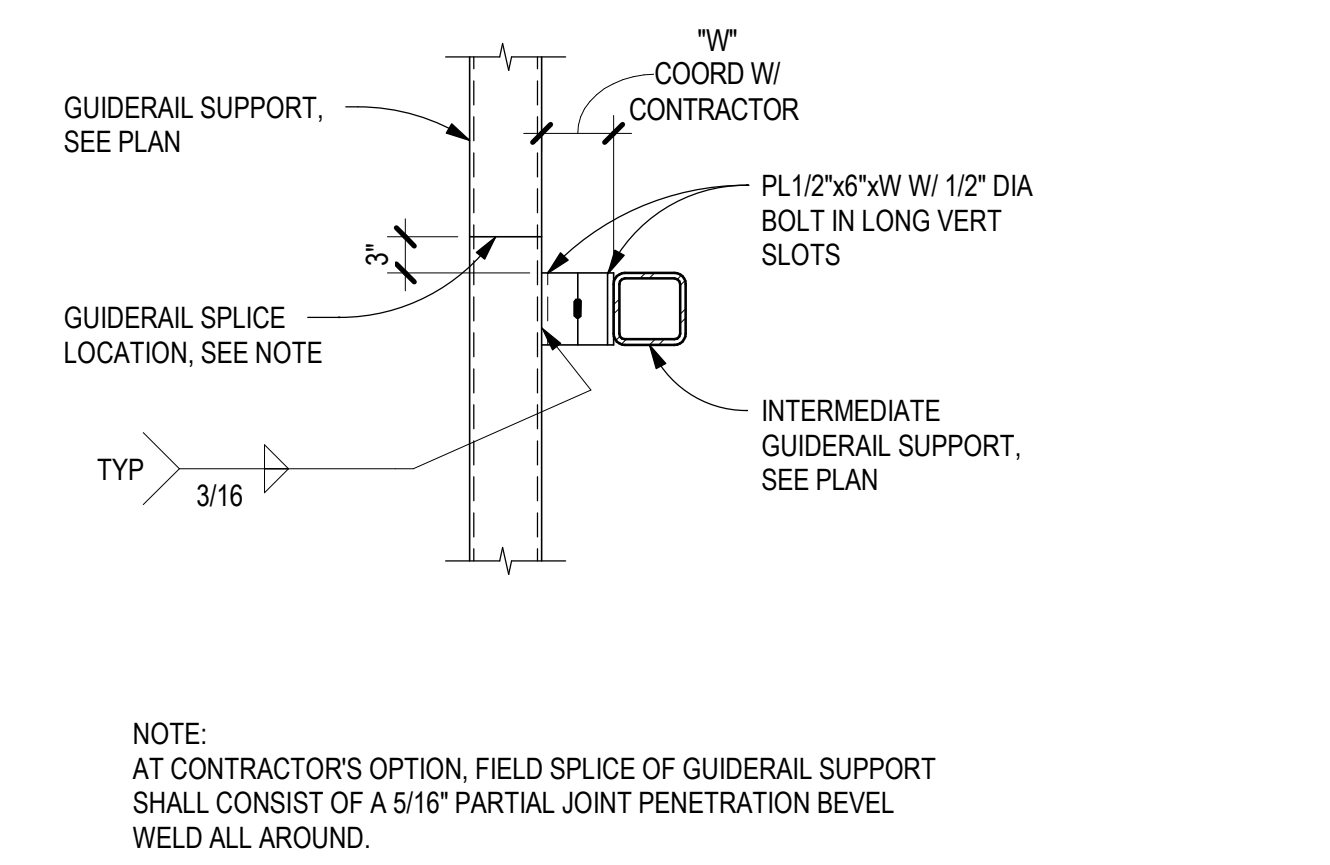
3'-0" MIN VERIFY W/ ARCH

NOTE: REFER TO ARCH/ELECTRICAL DRAWINGS FOR ADDL INFORMATION

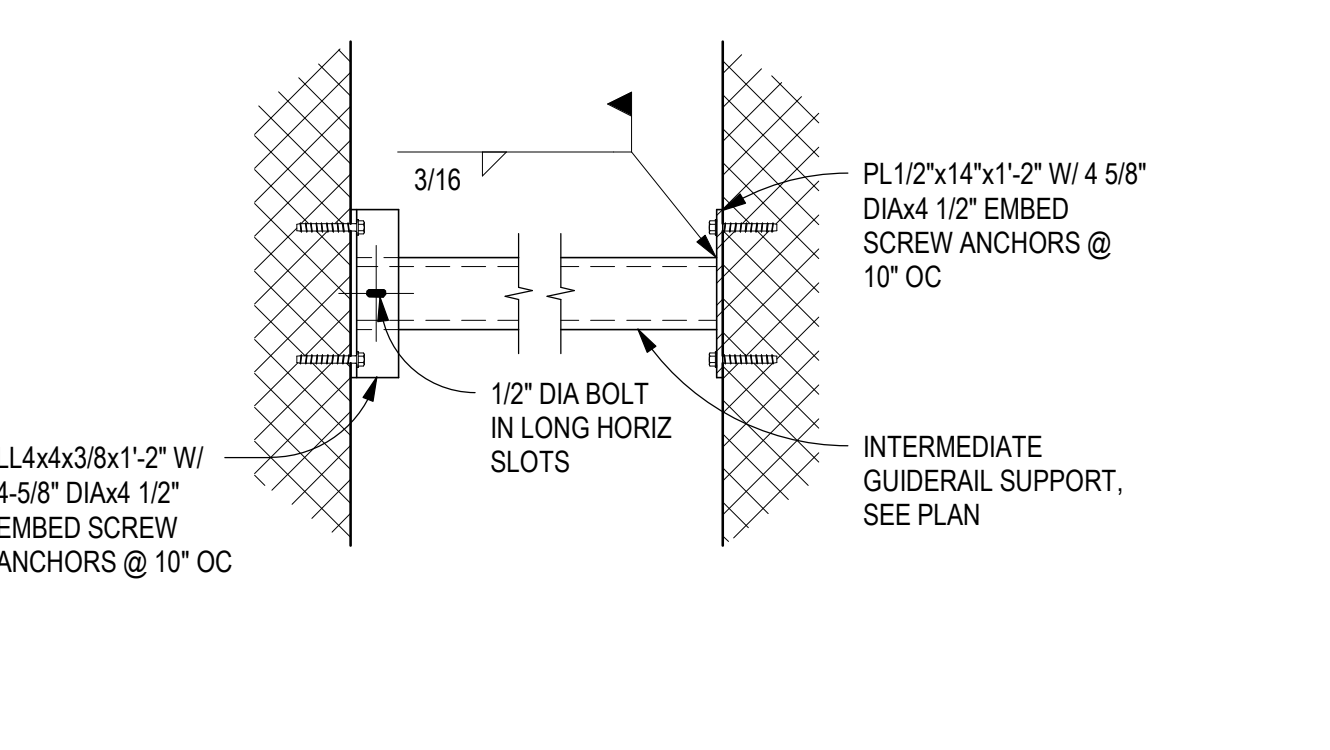




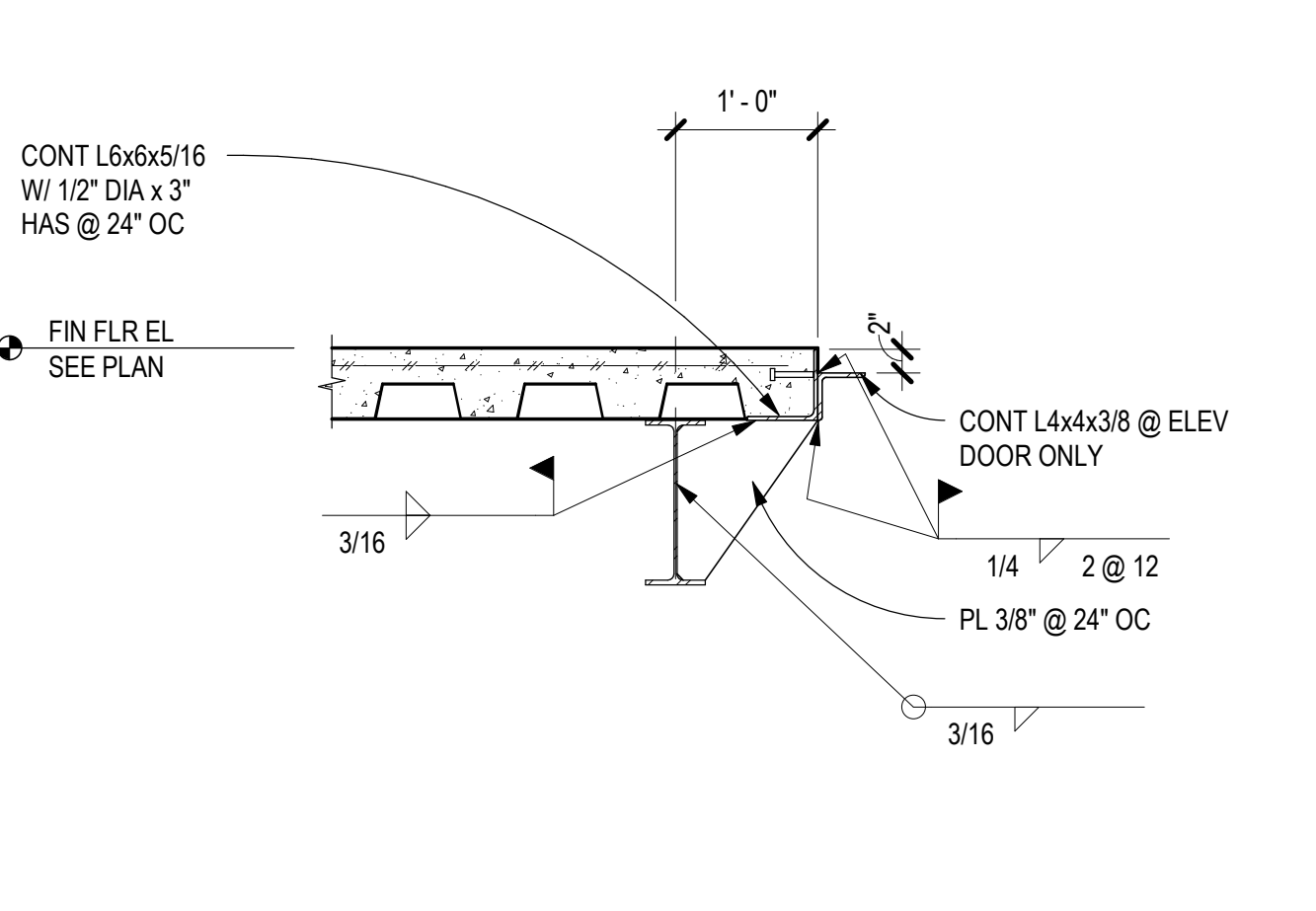
**C1** ELEV RAIL SUPPORT TO ROOF  
SCALE: 3/4" = 1'-0"



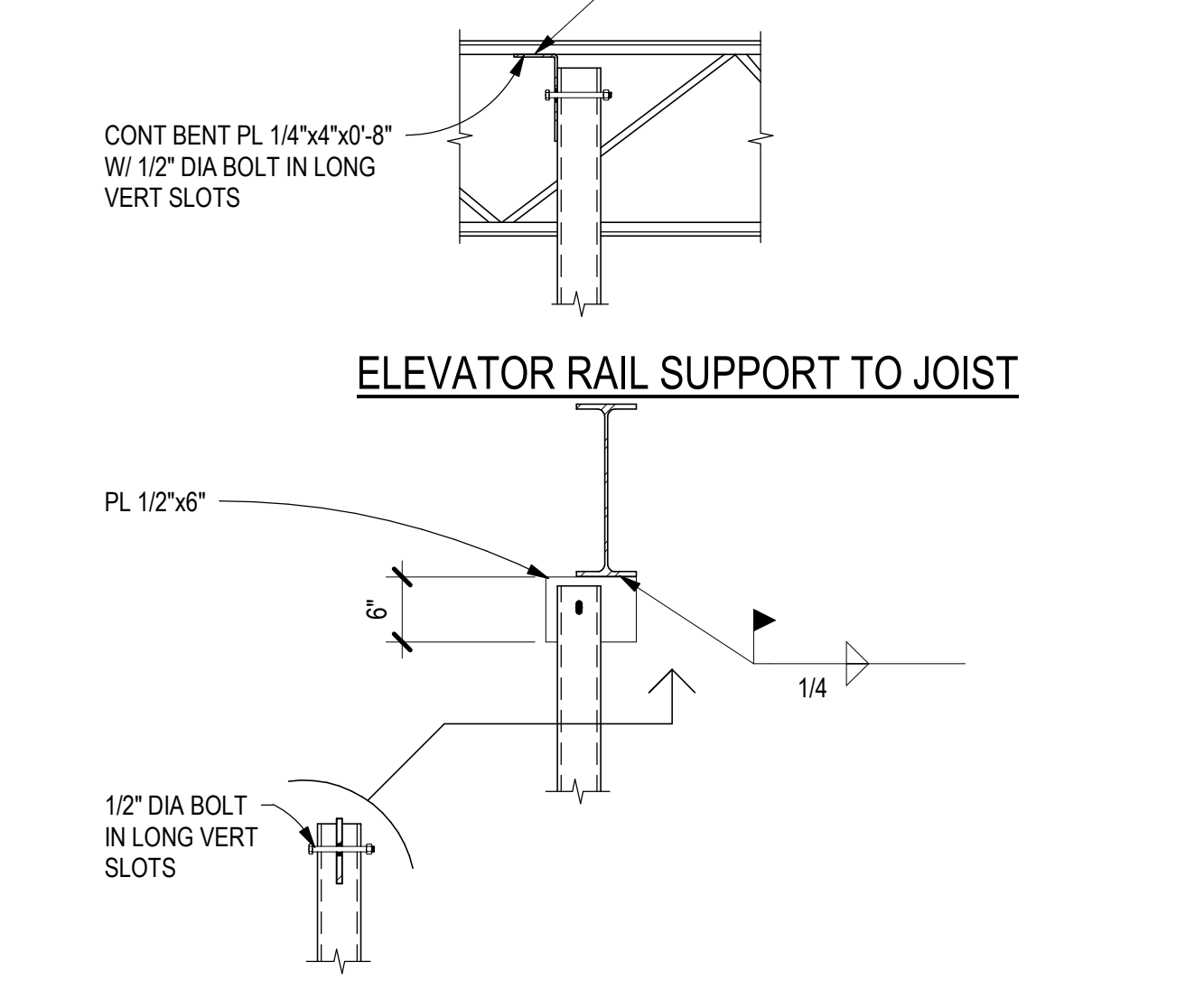
**B1** GUIDERAIL @ INTERMEDIATE SUPPORT  
SCALE: 3/4" = 1'-0"



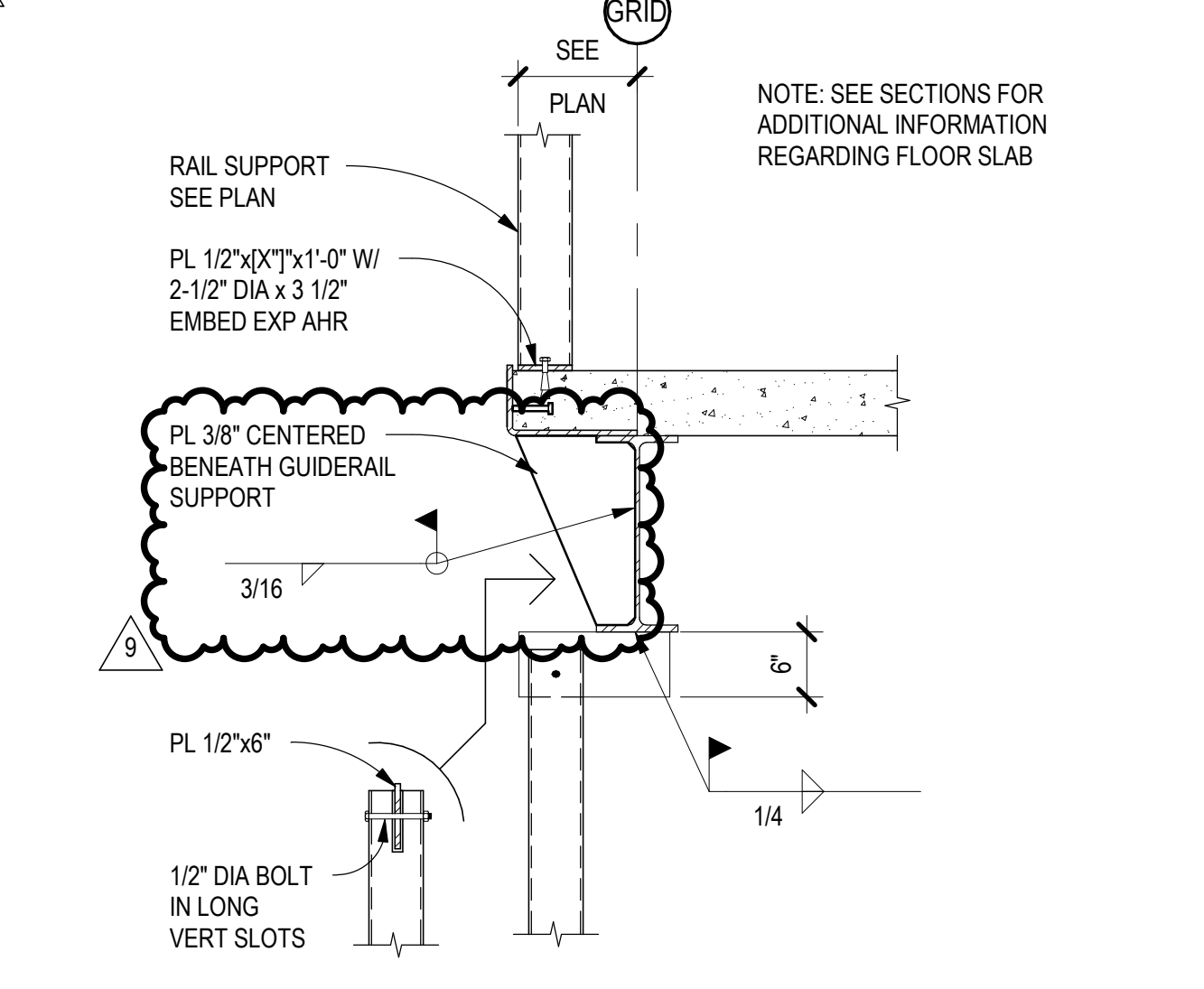
**A1** INTERMEDIATE SUPPORT @ CMU  
SCALE: 3/4" = 1'-0"



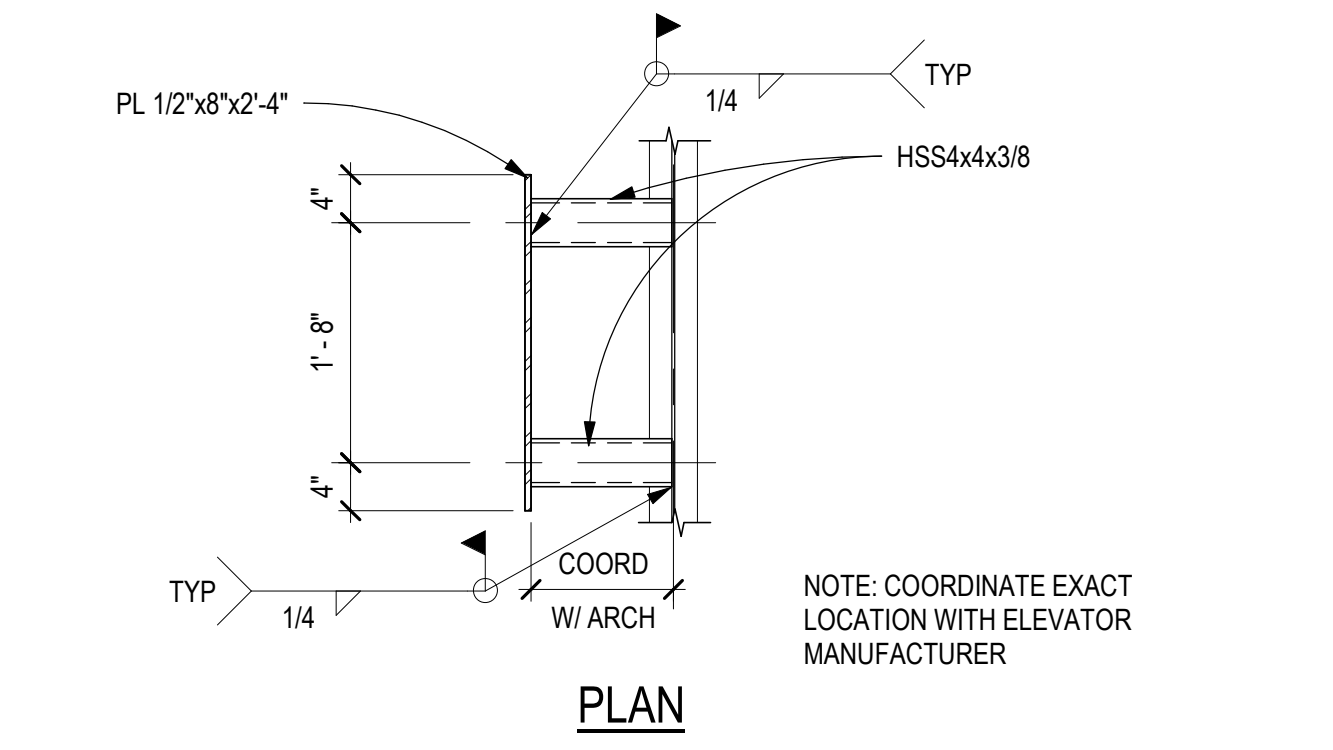
**D2** ELEVATOR OPENING SECTION  
SCALE: 3/4" = 1'-0"



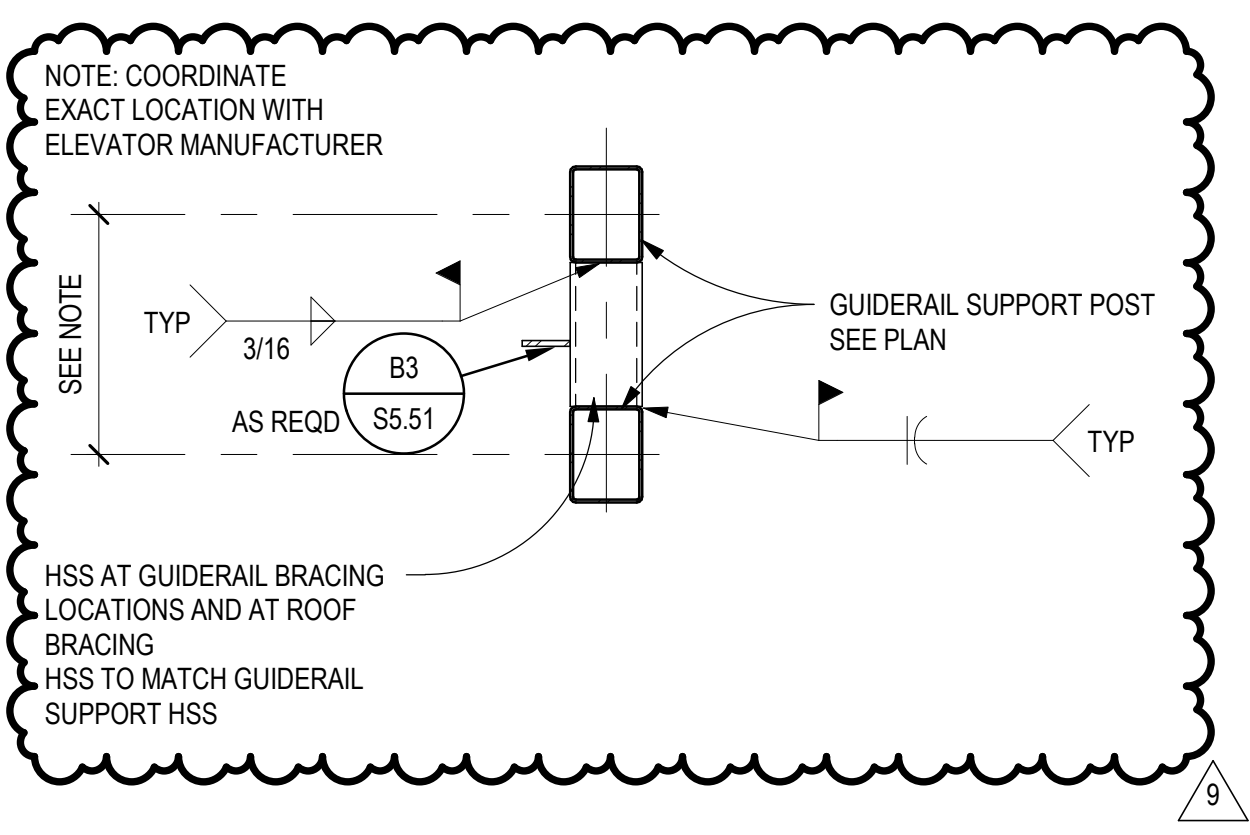
**C2** ELEV RAIL SUPPORT TO BEAM  
SCALE: 3/4" = 1'-0"



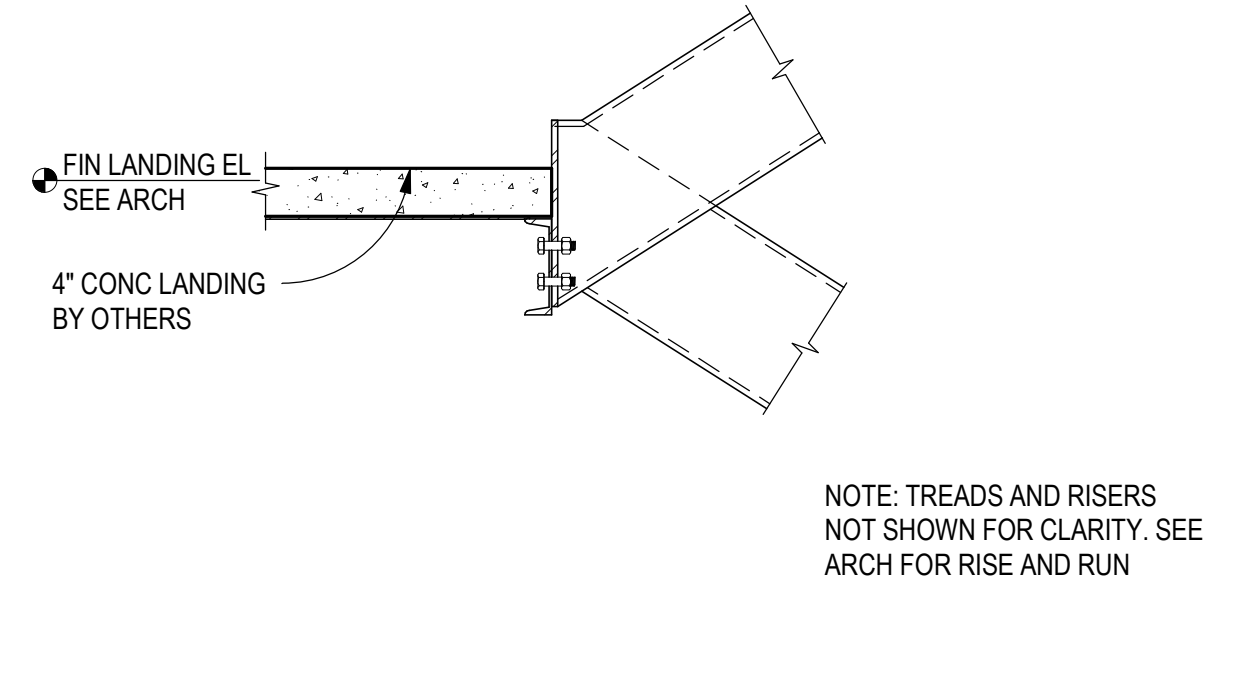
**B2** ELEVATOR DETAIL  
SCALE: 3/4" = 1'-0"



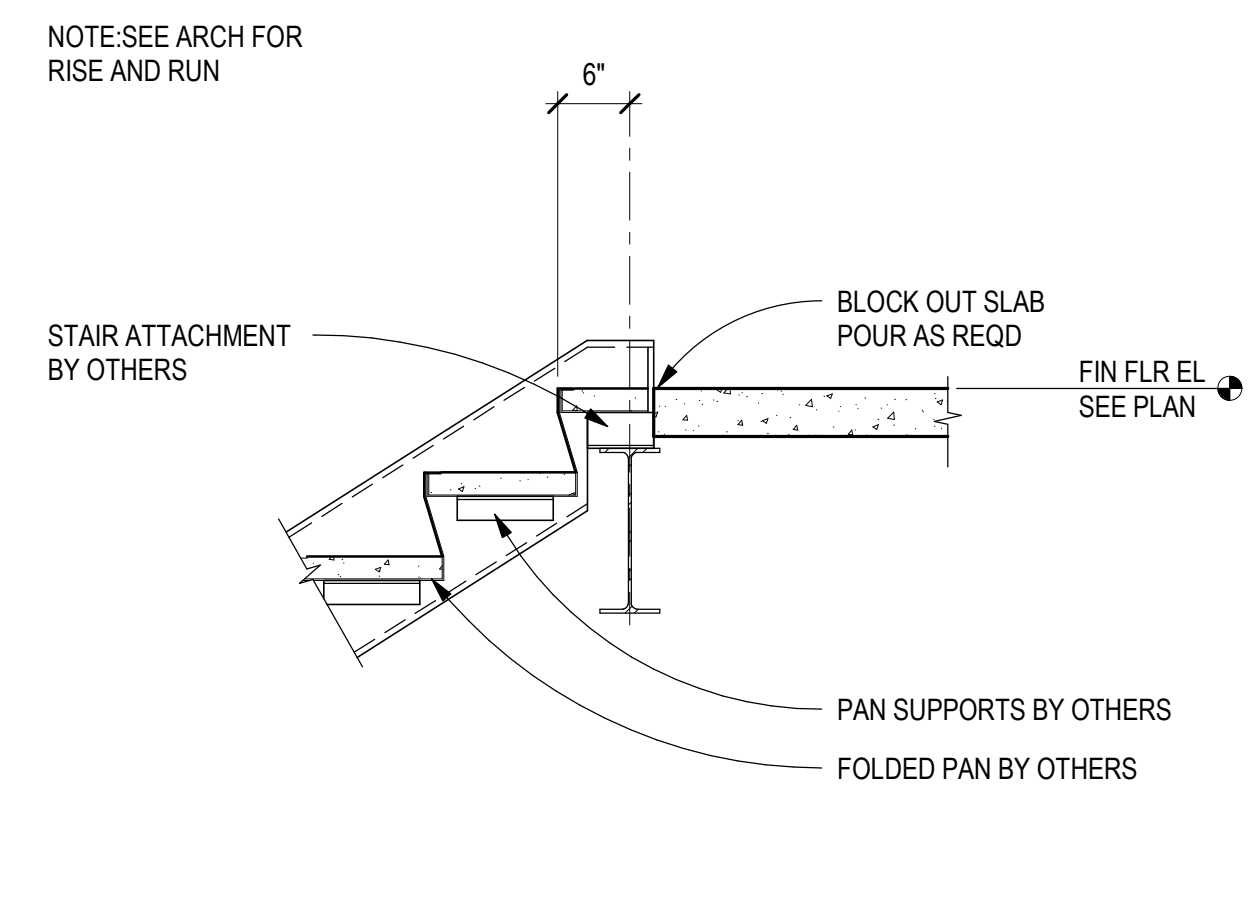
**A2** ELEV RAIL BRACKET SUPPORT  
SCALE: 3/4" = 1'-0"



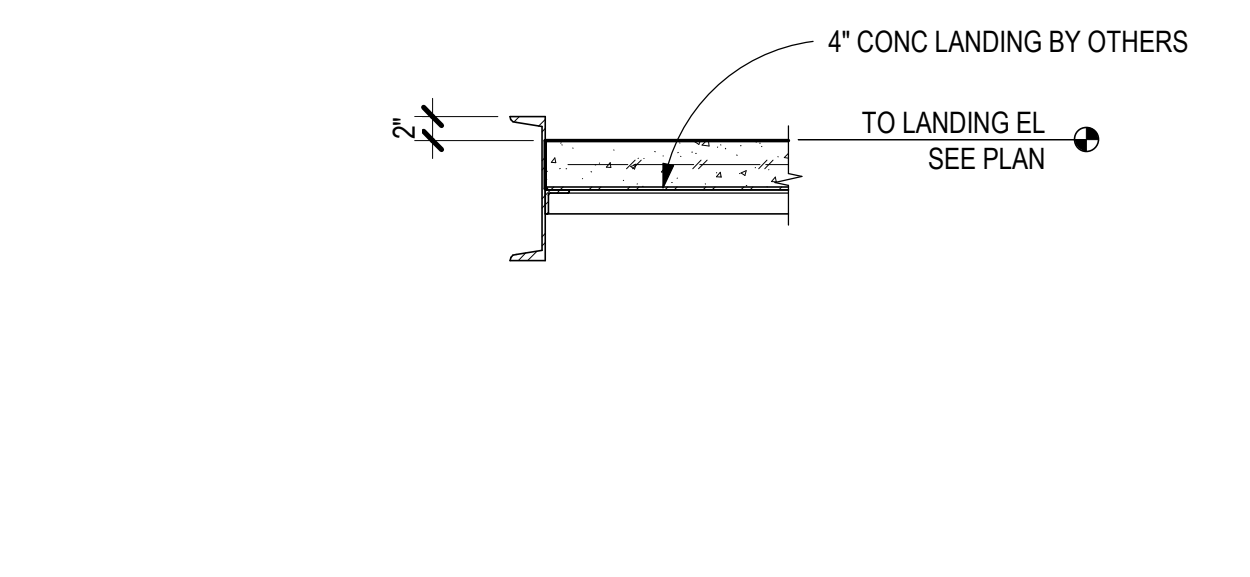
**D3** ELEV RAIL BRACKET SUPPORT  
SCALE: 3/4" = 1'-0"



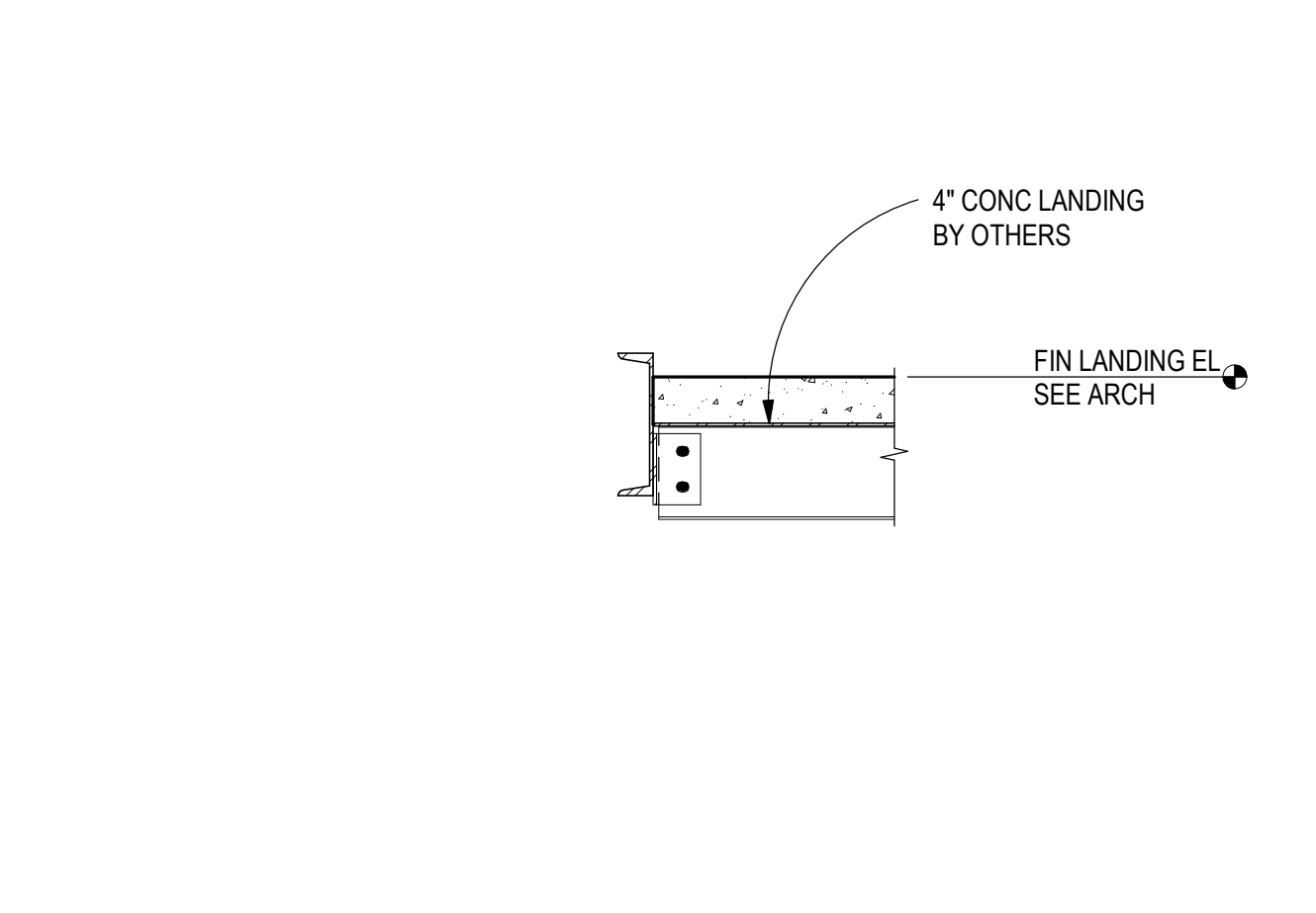
**C3** INTERMEDIATE LANDING SECTION  
SCALE: 3/4" = 1'-0"



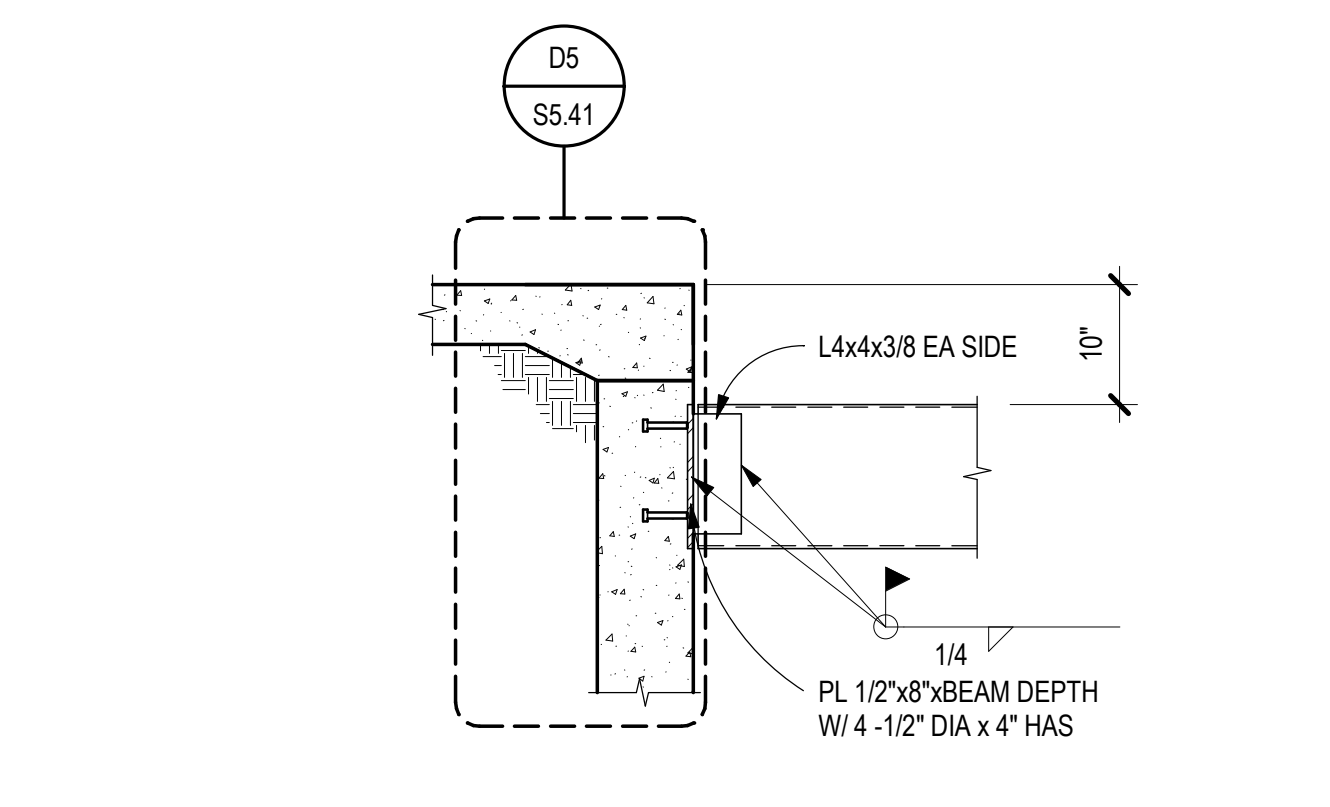
**B3** STAIR STRINGER AT LANDING  
SCALE: 3/4" = 1'-0"



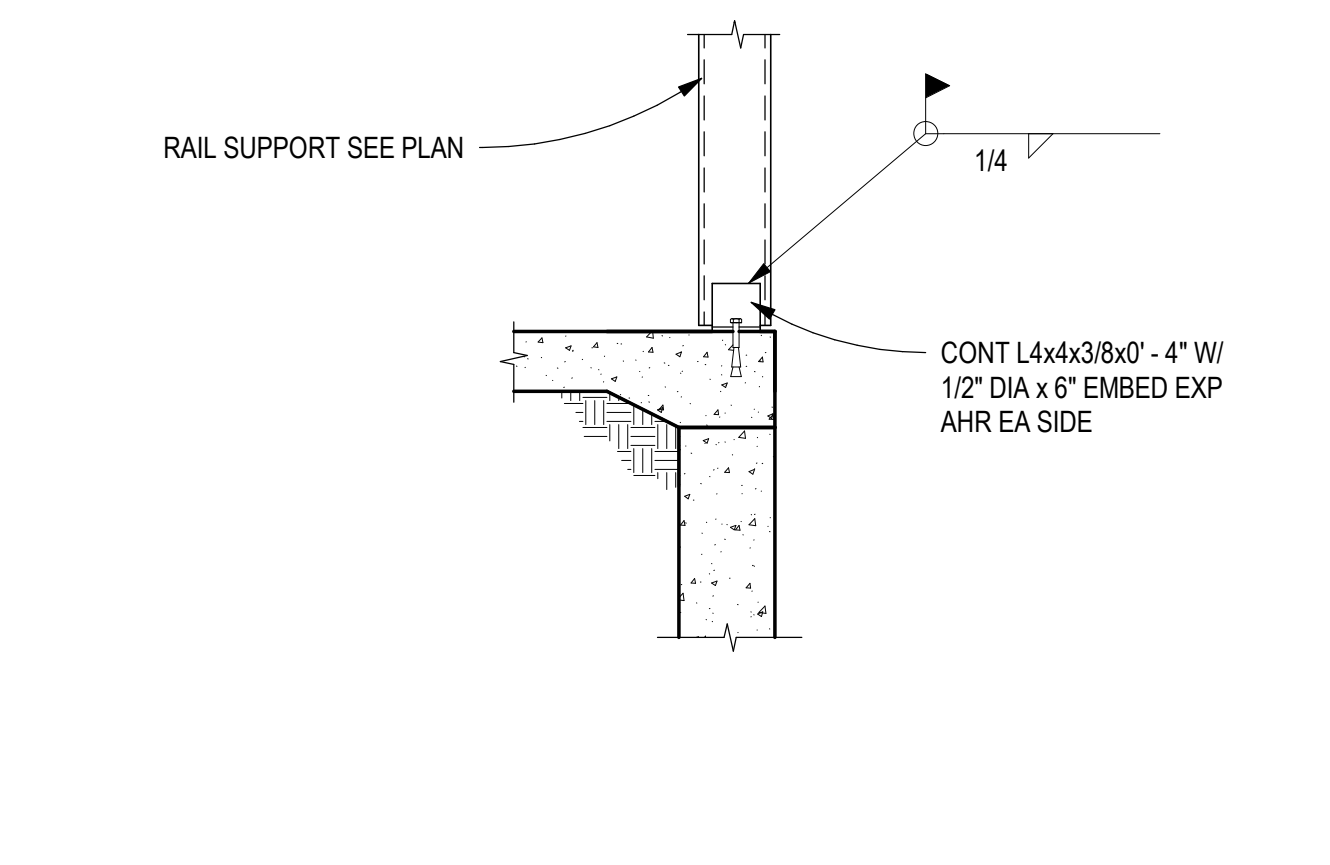
**A3** STAIR LANDING SECTION  
SCALE: 3/4" = 1'-0"



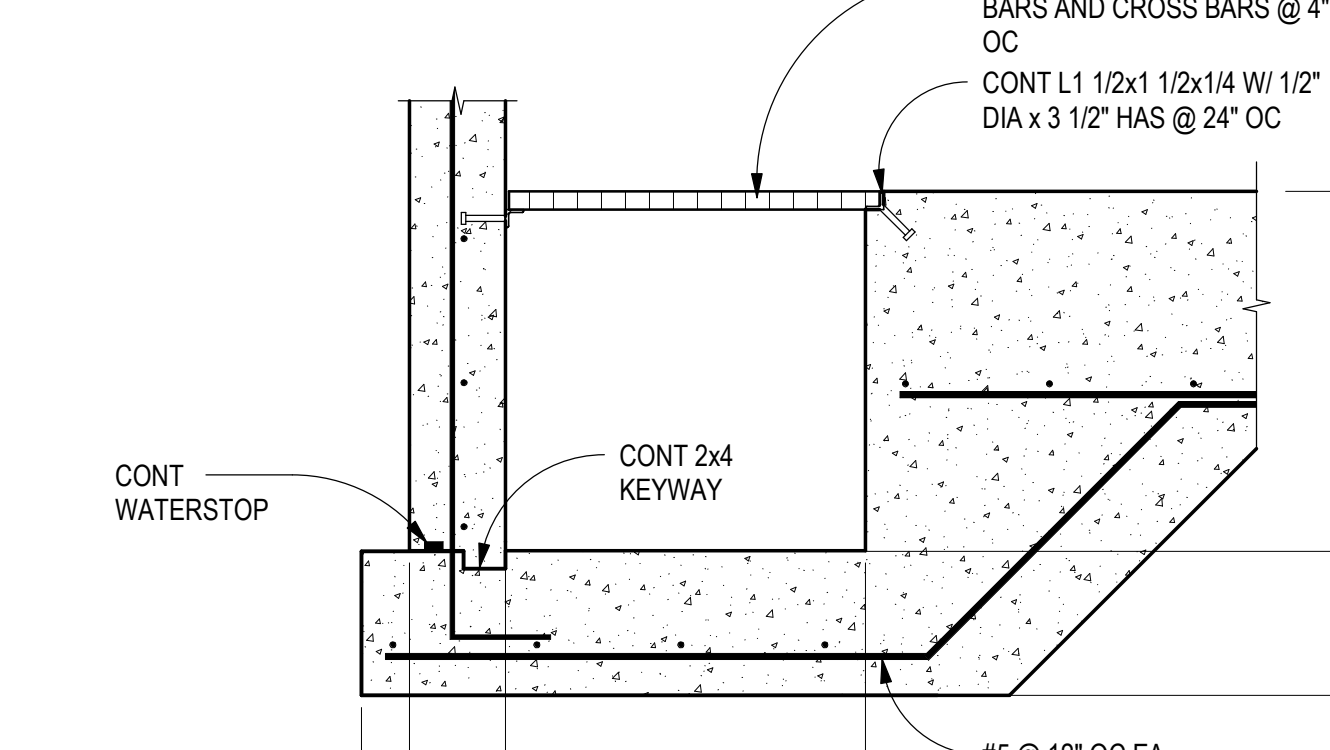
**D4** STAIR LANDING SECTION  
SCALE: 3/4" = 1'-0"



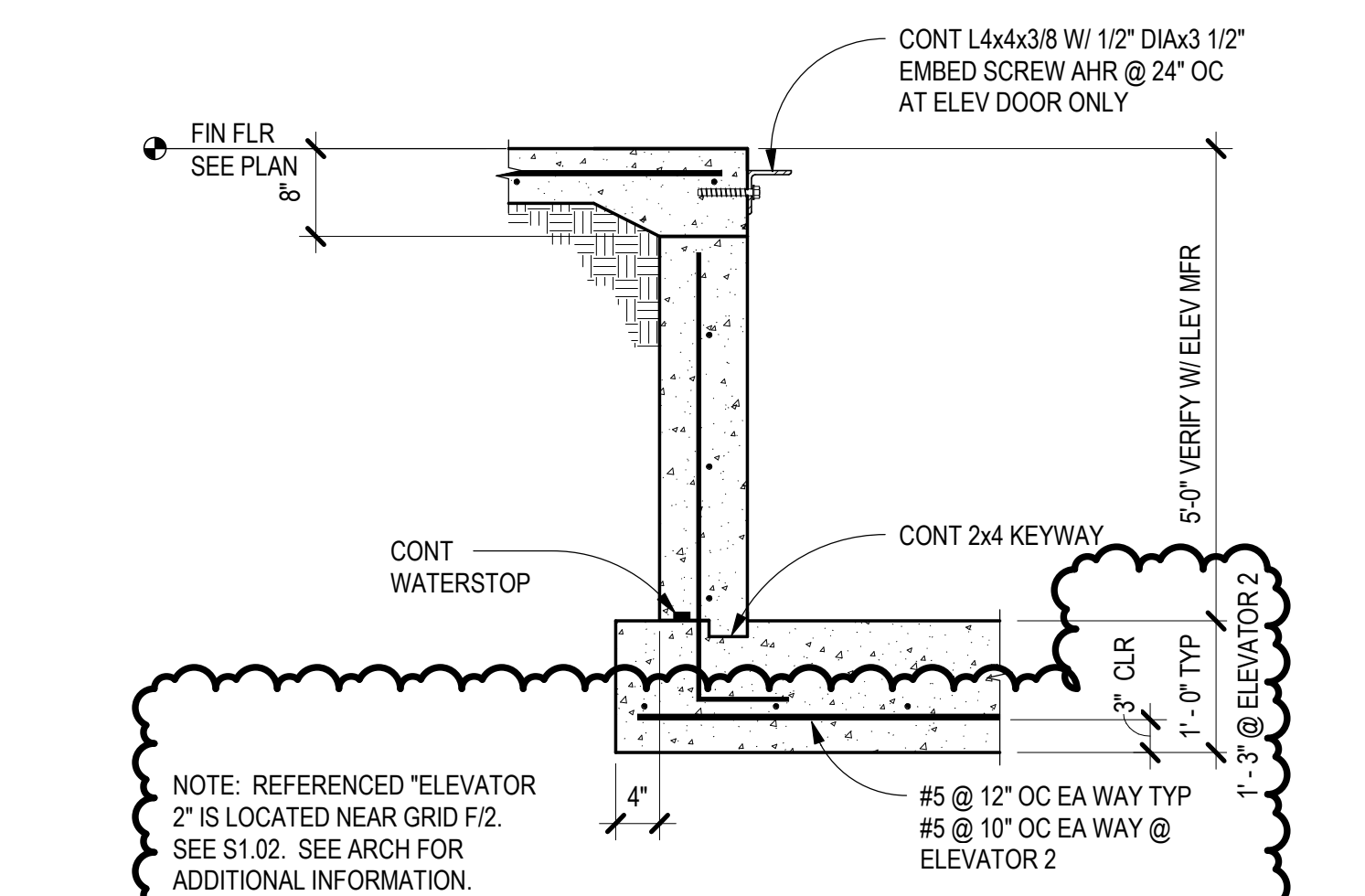
**C4** ELEVATOR SEPARATOR BEAM  
SCALE: 3/4" = 1'-0"



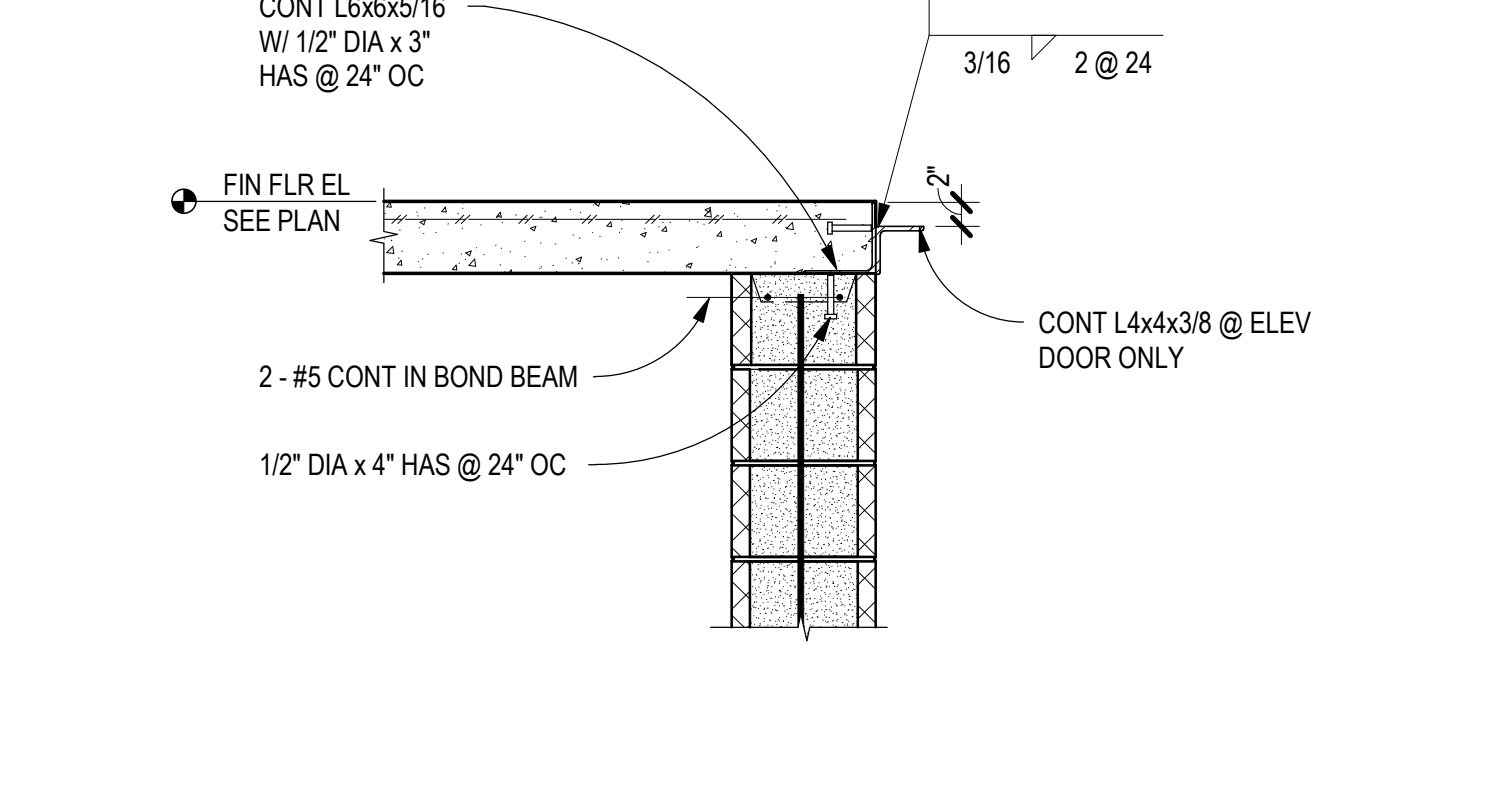
**B4** ELEVATOR PIT SECTION  
SCALE: 3/4" = 1'-0"



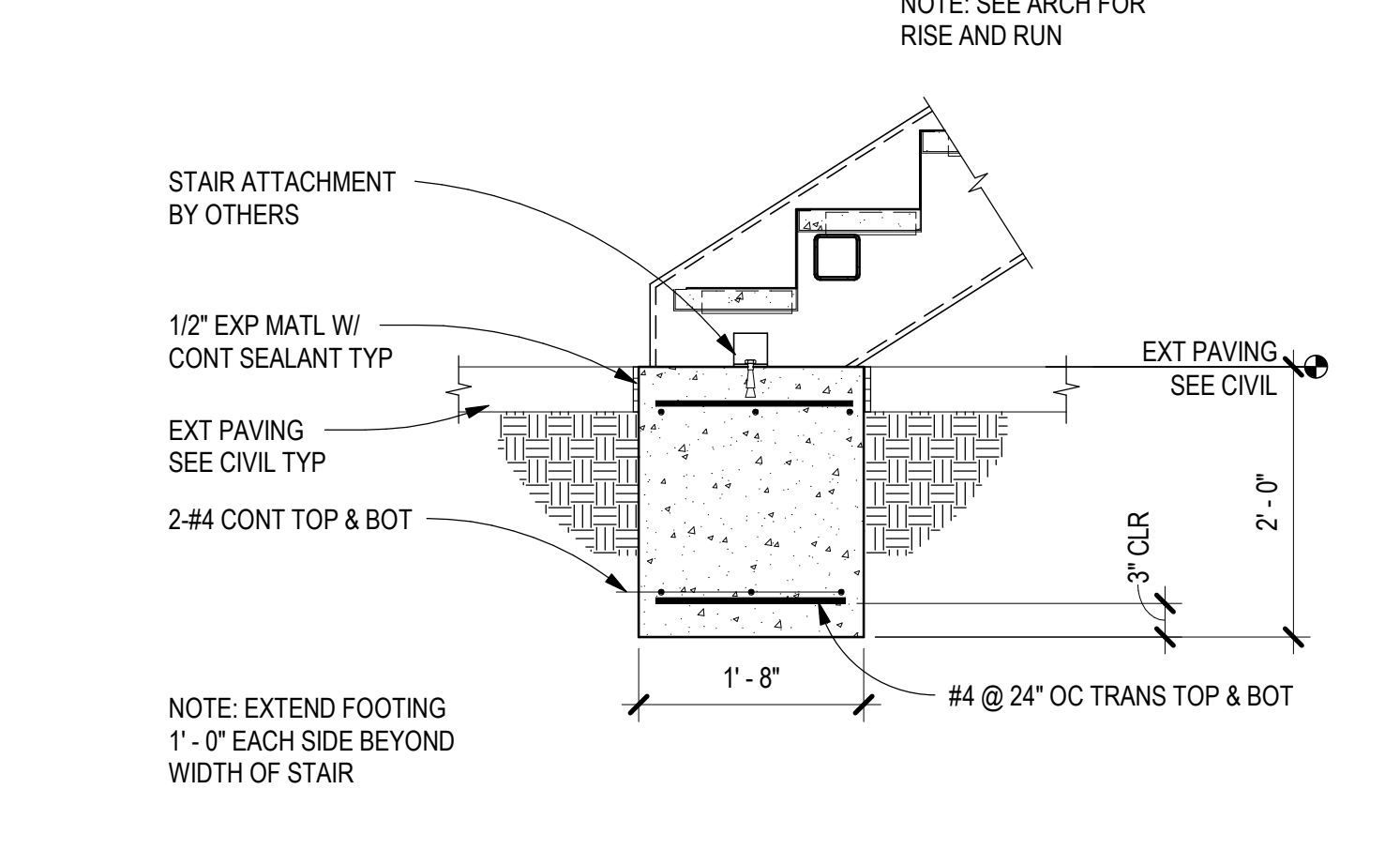
**A4** ELEVATOR SUMP PIT SECTION  
SCALE: 3/4" = 1'-0"



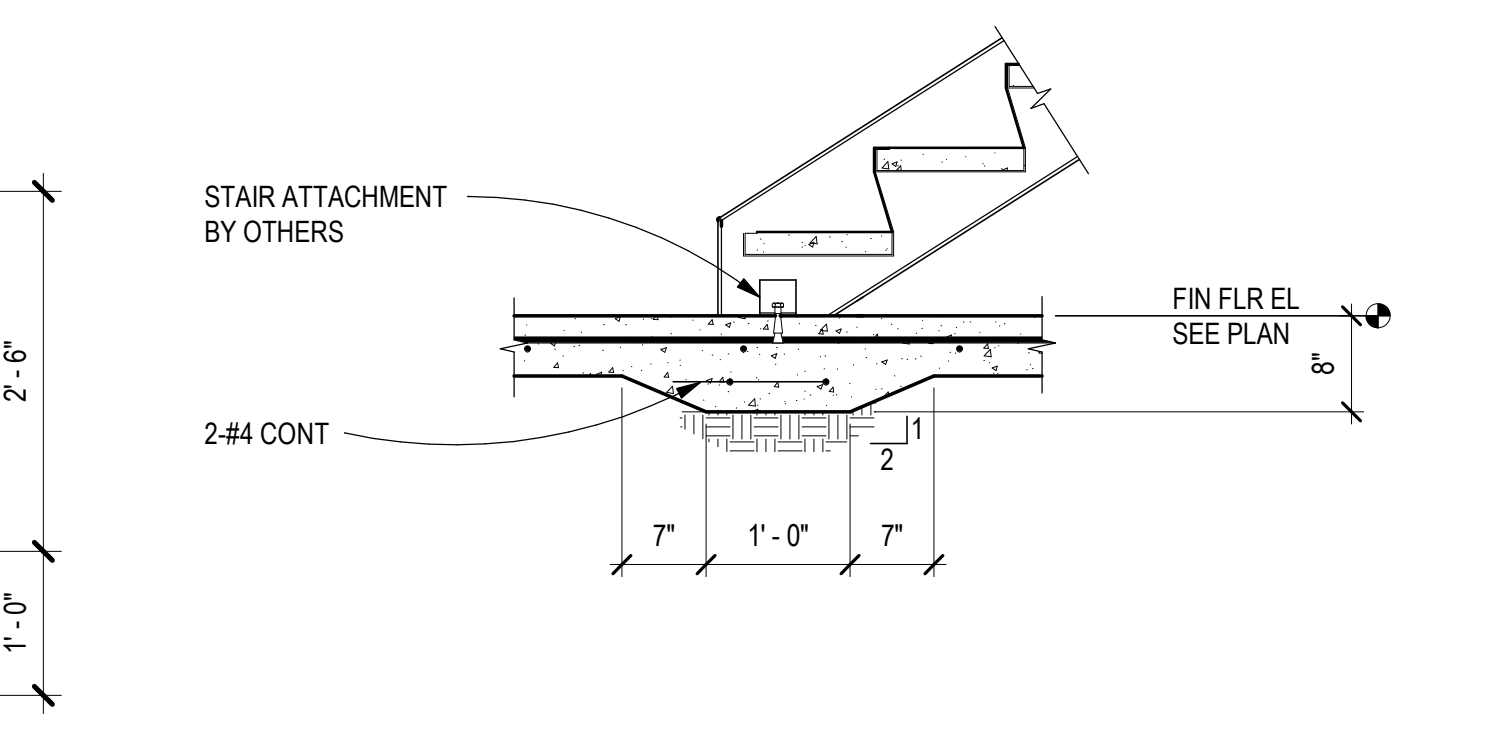
**D5** ELEVATOR PIT SECTION  
SCALE: 3/4" = 1'-0"



**C5** ELEVATOR OPENING SECTION  
SCALE: 3/4" = 1'-0"



**B5** STAIR BASE DETAIL  
SCALE: 3/4" = 1'-0"



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