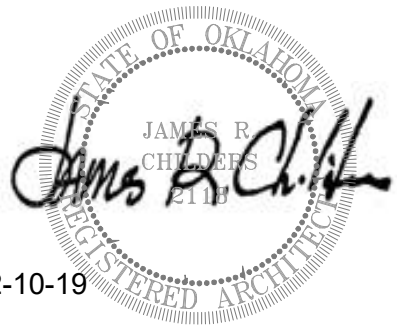
CHILDERS
ARCHITECT

BID PACKAGE 01 – ADDENDUM 02



Date: December 10, 2019

Re: Wilma P Mankiller Health Center Expansion

From: James R Childers Architect, Inc.
45 South 4th Street
Fort Smith, Arkansas 72901

12-10-19

This addendum forms part of the Contract Documents, and modifies the documents as noted below. Acknowledge receipt of this addendum in the space provided on the bid form. Failure to do so may subject the bidder to disqualification.

Item 01 CS101 /CS102 – Existing 8" sewer line and existing 15" RCP storm line north of building needs to be replaced and lowered.

Item 02 See attached narrative from Chavez Grieves

Bid Package 01- Addendum 02 – Wilma P. Mankiller Health Center Expansion

Chavez-Grieves would like to incorporate the following revisions into the drawings for the above referenced project.

Sheet	Description
S1.02	Rolling door support elevation added near Grid F/1.
S1.12	Rolling door support elevation added near Grid F/1.
S1.13	Stair landing framing adjusted to meet architectural requirements; near Grid E/2. Dimensions added.
S1.21	Sheet keynote 8 added and located on plan.
S1.21	Connection details revised along Grid G, D, and C.
S1.21	Beam sizes near Grid G/8 revised.
S1.21	Bottom flange braces added to beams along Grid G, D and C labeled as “Collector”.
S1.22	Sheet keynote 8 added and located on plan.
S1.22	Connection details revised along Grid H, G, and D.
S1.22	Beam size near Grid H/3 revised.
S1.22	Bottom flange braces added to beams along Grid H, G and D labeled as “Collector”.
S2.02	Elevations B3 and D4 revised
S3.11	Section D2 revised.
S3.12	Section A3, B3, and D4 added.
S4.01	Plans A3, D2, and D4 revised.
S5.54	Details A2 and B4 added.
S7.41	Detail C2 revised.

WILMA P. MANKILLER HEALTH CENTER EXPANSION

BID PACKAGE 01

(DEMOLITION / STEEL / FOUNDATIONS)

INDEX OF DRAWINGS - BID PACKAGE 01

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
GENERAL				
G0.01	COVER / INDEX	■	■	■
CIVIL				
C002	GENERAL NOTES	■		
CS100	EXISTING SITE PLAN	■		
CS101	DEMOLITION PLAN	■		■
CS102	DEMOLITION PLAN	■		■
CE100	EROSION CONTROL SITE PLAN	■		
CE500	EROSION CONTROL DETAILS	■		
ARCHITECTURAL				
A0.01	OVERALL BUILDING DEMOLITION PLAN	■		
STRUCTURAL				
S0.01	ABBREVIATIONS AND LEGENDS	■		
S0.02	GENERAL STRUCTURAL NOTES	■	■	
S0.03	GENERAL STRUCTURAL NOTES AND SPECIAL INSPECTIONS	■	■	
SD0.01	DEMOLITION GENERAL STRUCTURAL NOTES	■		
SD1.01	DEMOLITION PLANS -SECTOR 1	■		
SD2.01	DEMOLITION SECTIONS	■		
S1.00	OVERALL PLAN - FOUNDATION	■		
S1.01	FOUNDATION PLAN SECTOR 1	■	■	
S1.02	FOUNDATION PLAN SECTOR 2	■	■	■
S1.10	OVERALL PLAN - FLOOR FRAMING	■		
S1.11	FLOOR FRAMING PLAN - SECTOR 1	■	■	
S1.12	FLOOR FRAMING PLAN - SECTOR 2	■	■	■
S1.13	LOW ROOF FRAMING PLAN	■	■	■
S1.20	OVERALL PLAN - ROOF FRAMING	■		
S1.21	ROOF FRAMING PLAN - SECTOR 1	■	■	■
S1.22	ROOF FRAMING PLAN - SECTOR 2	■	■	■
S2.01	MOMENT FRAME ELEVATIONS	■	■	
S2.02	MOMENT FRAME AND BRACED FRAME ELEVATIONS	■		■
S3.01	WALL SECTIONS	■		
S3.02	WALL SECTIONS	■		
S3.03	WALL SECTIONS	■	■	
S3.04	WALL SECTIONS	■		
S3.11	FOUNDATION SECTIONS	■	■	■
S3.12	FOUNDATION SECTIONS	■	■	■
S3.21	FLOOR FRAMING SECTIONS	■		
S3.31	ROOF FRAMING SECTIONS	■	■	
S4.01	ENLARGED PLANS	■	■	■
S5.21	MASONRY FRAMING SECTIONS AND DETAILS	■	■	
S5.41	VERTICAL CIRCULATION DETAILS	■		
S5.51	STEEL DETAILS	■		
S5.52	STEEL DETAILS	■	■	
S5.53	STEEL DETAILS	■	■	
S5.54	STEEL DETAILS	■	■	■
S6.01	SCHEDULES	■	■	
S7.11	TYPICAL CONCRETE DETAILS	■		
S7.21	TYPICAL MASONRY DETAILS	■	■	
S7.31	TYPICAL COLD-FORMED DETAILS	■	■	
S7.41	TYPICAL STEEL DETAILS	■		■
S7.42	TYPICAL STEEL DETAILS	■	■	
S8.01	SIDEPLATE GENERAL NOTES AND CONSTRUCTION GUIDELINES	■		
S8.02	SIDEPLATE COLUMN DETAILS, A TYPE	■		
S8.03	SIDEPLATE COLUMN DETAILS, B TYPE	■		
S8.04	SIDEPLATE BEAM DETAILS	■		
S8.05	SIDEPLATE BEAM DETAILS, NARROW	■		
S8.06	SIDEPLATE FIELD ERECTION DETAILS	■		
S8.07	SIDEPLATE MISC DETAILS AND COORDINATION ITEMS	■		
ELECTRICAL				
E0.01	ELECTRICAL DEMOLITION PLAN	■		
Grand total: 55				

1836 SOUTH BALTIMORE AVE.
TULSA, OK 74119
(539) 664-4618
MECHANICAL / ELECTRICAL / PLUMBING ENGINEER

3902 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
Fort Smith, AR 72901
479-783-2480
www.childersarchitect.com

PROFESSIONAL SEAL:

STATE OF OKLAHOMA
JAMES R. CHILDERS
REGISTERED ARCHITECT
12-10-2019

CONSULTANT LOGO:

CLIENT:

FIRST OF THE CHEROKEE NATION
SEPT. 6, 1839

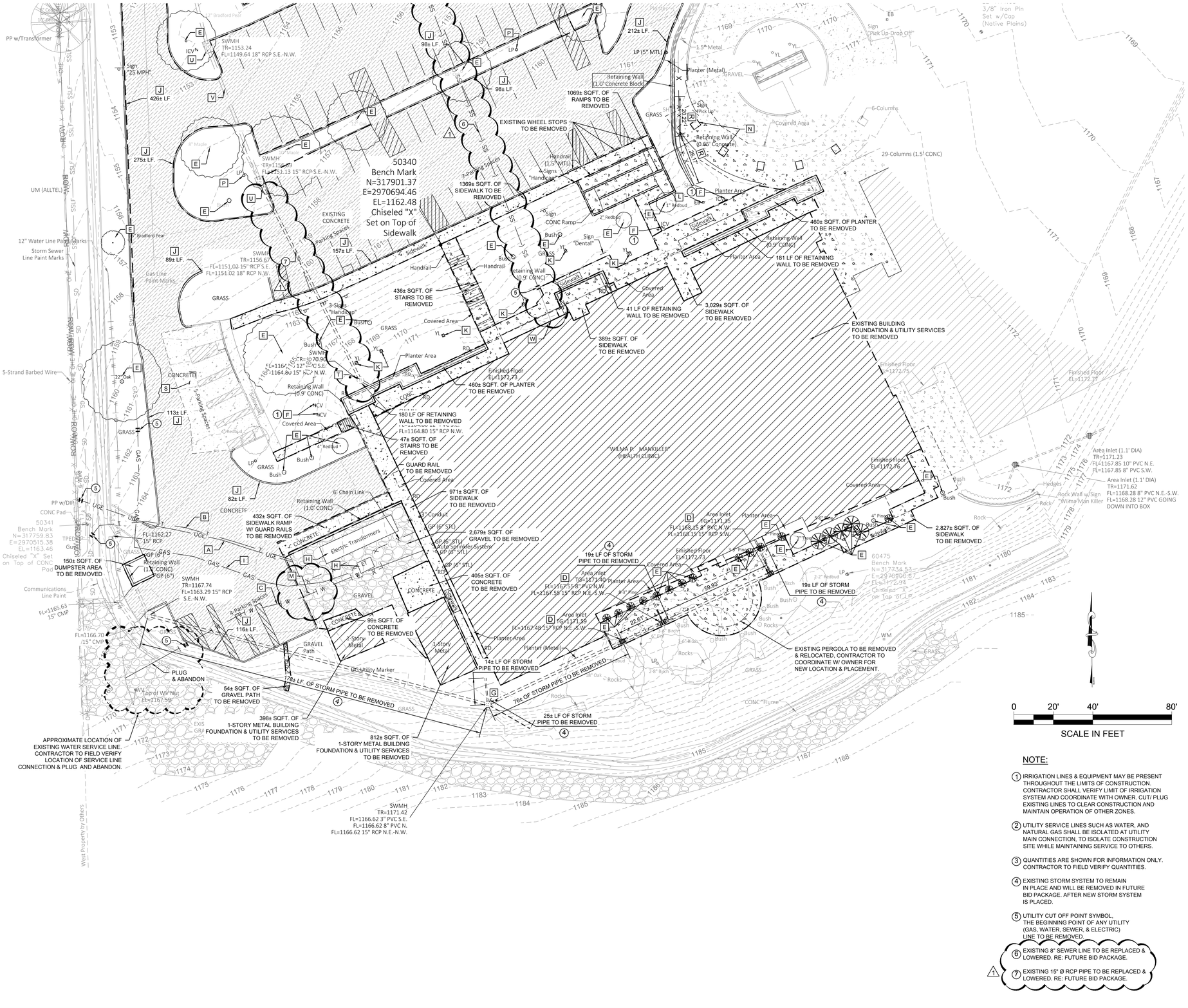
WILMA P. MANKILLER HEALTH CENTER EXPANSION
STILWELL, OKLAHOMA

KEY PLAN:

PROJECT PHASE:
BID PACKAGE 01

REVISIONS		
#	DATE	DESCRIPTION
1	11/22/19	BID PACKAGE 01 - ADD 01
2	12/10/19	BID PACKAGE 01 - ADD 02

DATE: 11-01-19
JOB NUMBER: 18-01.01
SHEET NUMBER: G0.01
COVER / INDEX



LEGEND

APROX. LIMITS OF DEMOLITION.

DEMOLITION LEGEND:

A. 114± LF. OF UNDERGROUND ELECTRIC LINE TO BE REMOVED AND RELOCATED FROM UTILITY CUT OFF POINT TO EDGE OF BUILDING.

B. 106± LF. OF TELEPHONE LINE TO BE REMOVED AND RELOCATED FROM UTILITY CUT OFF POINT TO EDGE OF BUILDING.

C. 131± LF. OF WATER LINE TO BE REMOVED AND RELOCATED FROM UTILITY CUT OFF POINT TO EDGE OF BUILDING.

D. EXISTING INLET TO REMAIN. RE: NOTE 4

E. EXISTING SITE VEGETATION TO BE REMOVED. RE: NOTE 4

F. EXISTING IRRIGATION VALVE TO BE REMOVED. RE: NOTE 4

G. EXISTING STORM MANHOLE TO BE REMAIN. RE: NOTE 4

H. EXISTING HVAC, GENERATOR & ELECTRICAL TRANSFORMER TO BE REMOVED. REFER TO MEP.

I. 173± OF GAS LINE TO BE REMOVED AND RELOCATED FROM UTILITY CUT OFF POINT TO OUT SIDE OF BUILDING.

J. EXISTING CURB TO BE REMOVED.

K. EXISTING YARD LIGHT TO BE REMOVED.

L. CONTRACTOR TO VERIFY IF EXISTING ELECTRIC BOX NEEDS TO BE REMOVED OR RELOCATED.

M. APPROXIMATE LOCATION OF EXISTING FIRE HYDRANT, TO REMOVED ONLY AFTER INSTILLATION OF NEW FIRE HYDRANT.

N. EXISTING COLUMN TO BE REMOVED, WITH CORRESPONDING ROOF SECTION.

O. EXISTING FLUME TO BE REMOVED.

P. EXISTING LIGHT POLE TO BE REMOVED.

Q. EXISTING SITE SIGNAGE TO BE REMOVED/RELOCATE RE: OWNER/ARCH.

R. EXISTING WALL SECTION TO BE REMOVED.

S. EXISTING PAVEMENT TO REMAIN.

T. EXISTING SEWER/STORM MANHOLE TO BE REMAIN AND ADJUSTED TO NEW GRADE IN FUTURE BID PACKAGE.

U. EXISTING STORM INLET TOP TO BE REMOVED FOR FUTURE REPLACEMENT WITH SOLID LID TOP.

V. EXISTING UNDERGROUND UTILITY TO REMAIN IN PLACE DURING CONSTRUCTION. CONTRACTOR TO ENSURE NOT DISTURB OR DAMAGE DURING CONSTRUCTION.

W. 19± LF. OF SEWER LINE TO BE REMOVED AND REPLACED FROM UTILITY CUT OFF POINT TO EDGE OF BUILDING.

95,152± SQFT. OF EXISTING CONCRETE PAVING TO BE REMOVED.

NOTE:

1. IRRIGATION LINES & EQUIPMENT MAY BE PRESENT THROUGHOUT THE LIMITS OF CONSTRUCTION. CONTRACTOR SHALL VERIFY LIMIT OF IRRIGATION SYSTEM AND COORDINATE WITH OWNER. CUT/ PLUG EXISTING LINES TO CLEAR CONSTRUCTION AND MAINTAIN OPERATION OF OTHER ZONES.
2. UTILITY SERVICE LINES SUCH AS WATER, AND NATURAL GAS SHALL BE ISOLATED AT UTILITY MAIN CONNECTION, TO ISOLATE CONSTRUCTION SITE WHILE MAINTAINING SERVICE TO OTHERS.
3. QUANTITIES ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR TO FIELD VERIFY QUANTITIES.
4. EXISTING STORM SYSTEM TO REMAIN IN PLACE AND WILL BE REMOVED IN FUTURE BID PACKAGE. AFTER NEW STORM SYSTEM IS PLACED.
5. UTILITY CUT OFF POINT SYMBOL, THE BEGINNING POINT OF ANY UTILITY (GAS, WATER, SEWER, & ELECTRIC) LINE TO BE REMOVED.
6. EXISTING 8" SEWER LINE TO BE REPLACED & LOWERED. RE: FUTURE BID PACKAGE.
7. EXISTING 15" Ø RCP PIPE TO BE REPLACED & LOWERED. RE: FUTURE BID PACKAGE.

James R. Childers
Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2480
www.childersarchitect.com

PROFESSIONAL SEAL:

REGISTERED PROFESSIONAL ENGINEER
H. WAYNE BARKER
11-1-19
18313
OKLAHOMA

CONSULTANT LOGO:

Barker & Associates
3502 UNIVERSITY BLVD
Durant, OK 74701
580.931.9045
OK. CA. 3936
EXP. 06/30/2020

CLIENT:

THE CHEROKEE NATION
SEPT. 6, 1839

WILMA P. MANKILLER HEALTH CENTER EXPANSION

STILLWELL, OKLAHOMA

KEY PLAN:

PROJECT PHASE:

BID PACKAGE 01

REVISIONS		
#	DATE	DESCRIPTION
1	12/10/19	BID PACKAGE 01 - ADD 02

DATE: 11.01.19

JOB NUMBER: 18-01.01

SHEET NUMBER: CS101

DEMOLITION PLAN

LEGEND

APROX. LIMITS OF DEMOLITION.

DEMOLITION LEGEND:

- A. 114± LF. OF UNDERGROUND ELECTRIC LINE TO BE REMOVED AND RELOCATED FROM UTILITY CUT OFF POINT TO EDGE OF BUILDING.
- B. 106± LF. OF TELEPHONE LINE TO BE REMOVED AND RELOCATED FROM UTILITY CUT OFF POINT TO EDGE OF BUILDING.
- C. 131± LF. OF WATER LINE TO BE REMOVED AND RELOCATED FROM UTILITY CUT OFF POINT TO EDGE OF BUILDING.
- D. EXISTING INLET TO REMAIN. RE: NOTE 4
- E. EXISTING SITE VEGETATION TO BE REMOVED, RE: NOTE 4
- F. EXISTING IRRIGATION VALVE TO BE REMOVED. RE: NOTE 4
- G. EXISTING STORM MANHOLE TO BE REMAIN. RE: NOTE 4
- H. EXISTING HVAC, GENERATOR & ELECTRICAL TRANSFORMER TO BE REMOVED. REFER TO MEP.
- I. 173± OF GAS LINE TO BE REMOVED AND RELOCATED FROM UTILITY CUT OFF POINT TO OUT SIDE OF BUILDING.
- J. EXISTING CURB TO BE REMOVED.
- K. EXISTING YARD LIGHT TO BE REMOVED.
- L. CONTRACTOR TO VERIFY IF EXISTING ELECTRIC BOX NEEDS TO BE REMOVED OR RELOCATED.
- M. APPROXIMATE LOCATION OF EXISTING FIRE HYDRANT, TO REMOVED ONLY AFTER INSTILLATION OF NEW FIRE HYDRANT.
- N. EXISTING COLUMN TO BE REMOVED, WITH CORRESPONDING ROOF SECTION.
- O. EXISTING FLUME TO BE REMOVED.
- P. EXISTING LIGHT POLE TO BE REMOVED.
- Q. EXISTING SITE SIGNAGE TO BE REMOVED/RELOCATE RE: OWNER/ARCH.
- R. EXISTING WALL SECTION TO BE REMOVED.
- S. EXISTING PAVEMENT TO REMAIN.
- T. EXISTING SEWER/STORM MANHOLE TO BE REMAIN AND ADJUSTED TO NEW GRADE IN FUTURE BID PACKAGE.
- U. EXISTING STORM INLET TOP TO BE REMOVED FOR FUTURE REPLACEMENT WITH SOLID LID TOP.
- V. EXISTING UNDERGROUND UTILITY TO REMAIN IN PLACE DURING CONSTRUCTION. CONTRACTOR TO ENSURE NOT DISTURB OR DAMAGE DURING CONSTRUCTION.
- W. 19± LF. OF SEWER LINE TO BE REMOVED AND REPLACED FROM UTILITY CUT OFF POINT TO EDGE OF BUILDING.

95,152± SQFT. OF EXISTING CONCRETE PAVING TO BE REMOVED.

NOTE:

1. IRRIGATION LINES & EQUIPMENT MAY BE PRESENT THROUGHOUT THE LIMITS OF CONSTRUCTION. CONTRACTOR SHALL VERIFY LIMIT OF IRRIGATION SYSTEM AND COORDINATE WITH OWNER. CUT/ PLUG EXISTING LINES TO CLEAR CONSTRUCTION AND MAINTAIN OPERATION OF OTHER ZONES.
2. UTILITY SERVICE LINES SUCH AS WATER, AND NATURAL GAS SHALL BE ISOLATED AT UTILITY MAIN CONNECTION, TO ISOLATE CONSTRUCTION SITE WHILE MAINTAINING SERVICE TO OTHERS.
3. QUANTITIES ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR TO FIELD VERIFY QUANTITIES.
4. EXISTING STORM SYSTEM TO REMAIN IN PLACE AND WILL BE REMOVED IN FUTURE BID PACKAGE. AFTER NEW STORM SYSTEM IS PLACED.
5. UTILITY CUT OFF POINT SYMBOL. THE BEGINNING POINT OF ANY UTILITY (GAS, WATER, SEWER, & ELECTRIC) LINE TO BE REMOVED.
6. EXISTING 8" SEWER LINE TO BE REPLACED & LOWERED. RE: FUTURE BID PACKAGE.

James R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2480
www.childersarchitect.com

PROFESSIONAL SEAL:
H. WAYNE BARKER 18515 OKLAHOMA 11-1-19

CONSULTANT LOGO:
Barker & Associates
3902 UNIVERSITY BLVD
Durant, OK 74701
580.931.9045
OK CA. 3998
EXP. 06/30/2020

CLIENT:
THE CHEROKEE NATION — SEPT. 6, 1839

WILMA P. MANKILLER HEALTH CENTER EXPANSION
STILWELL, OKLAHOMA

KEY PLAN:

PROJECT PHASE:
BID PACKAGE 01

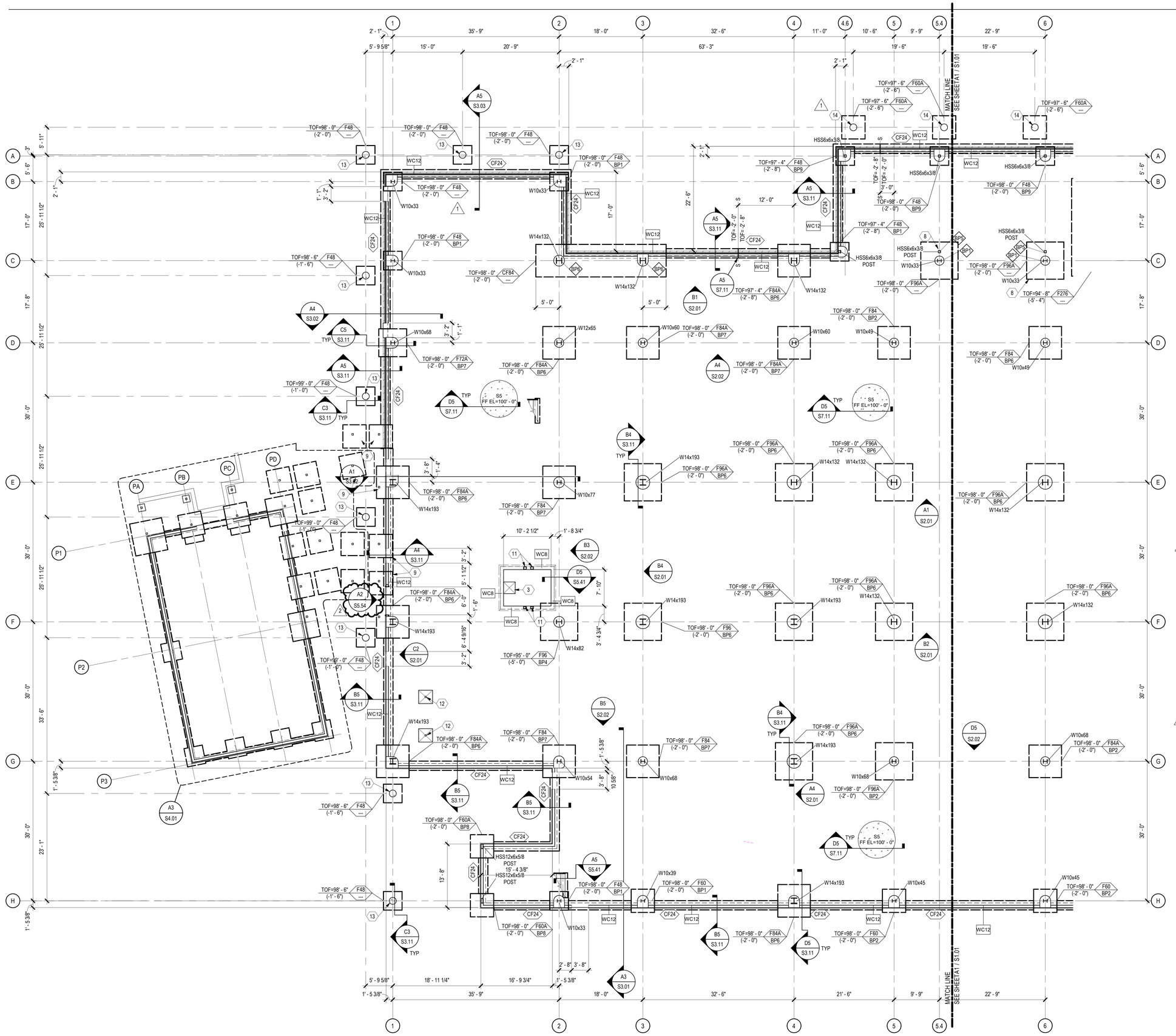
REVISIONS:

#	DATE	DESCRIPTION
1	12/10/19	BID PACKAGE 01 - ADD 02

DATE:	JOB NUMBER:
11.01.19	18-01.01

SHEET NUMBER:
CS102

DEMOLITION PLAN



A1 FOUNDATION PLAN - SECTOR 2

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

0 4' 8' 16'

GENERAL SHEET NOTES

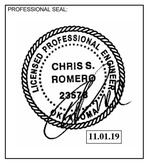
1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. REFERENCE FINISH FLOOR ELEVATION 100'-0" = MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
3. TOP OF FOOTING ELEVATION = 98' - 0" (-2' - 0"), UNLESS NOTED OTHERWISE ON PLAN.
4. NOTE TO CONTRACTOR: ENLARGED SLAB BLOCKOUTS MAY BE REQUIRED AT FRAME COLUMNS FOR MOMENT FRAME BASE PLATE CLEARANCE.
5. 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.
6. DIMENSIONS ARE TO THE FACE OF STUD UNLESS NOTED OTHERWISE.
7. SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
8. 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.
9. 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.
10. STRUCTURAL COLD FORMED METAL STUDS SHALL BE 6" WIDE UNLESS NOTED OTHERWISE. STUD THICKNESS AND SPACING BY OTHERS.
11. SEE SHEET S7.00 SERIES SHEETS FOR TYPICAL FOUNDATION SECTIONS AND DETAILS.
12. SEE SHEET S6.01 FOR SCHEDULES.

SHEET KEYNOTE

1. FLOOR DRAIN. SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. POST AND FOUNDATION AS REQUIRED FOR STAIR SUPPORT. STAIR ENGINEER TO PROVIDE REQUIRED LOADS AND LOCATIONS.
3. ELEVATOR SUMP PIT. COORDINATE EXACT SIZE AND LOCATION WITH ELEVATOR MANUFACTURER. SEE A4 / S5.41
4. HSS6x4x1/2 ELEVATOR RAIL SUPPORT POST. COORDINATE LOCATION AND SPACING WITH ELEVATOR MANUFACTURER. SEE B4 / S5.41
5. PRE-ENGINEERED METAL BUILDING STEEL AND ANCHORAGE BY OTHERS. CONTRACTOR TO CONFIRM LOCATIONS OF FOUNDATIONS WITH FINAL PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS.
6. NOTCH MASONRY AS REQUIRED TO FACILITATE BASEPLATE INSTALLATION. STEP BOND BEAM AT THIS LOCATION. FILL VOID FROM NOTCH WITH NON-SHRINK GROUT.
7. CUT AND REMOVE EXISTING SLAB AS REQUIRED TO PLACE NEW FOOTING. NEW SLAB TO POUR UP TO REMAINING SLAB.
8. CENTER FOOTING ON GRID C.
9. 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.
10. EXISTING CANOPY. SEE ARCHITECTURAL DEMOLITION PLANS FOR EXTENT OF DEMOLITION.
11. HSS8x6x1/2 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
12. 1 1/2" RECESSED SLAB AT ADA SHOWER. COORDINATE EXACT SIZE, LOCATION, AND SLOPE REQUIREMENTS WITH ARCHITECTURAL DRAWINGS. SEE C4 / S7.11
13. 18" DIAMETER PRECAST CONCRETE COLUMN BY OTHERS. SEE C3 / S3.11 AND B1 / S3.31
14. 18" DIAMETER PRECAST CONCRETE CANOPY COLUMN BY OTHERS. SEE C3 / S3.11, C4 / S3.12, A1 / S3.31, AND A5 / S3.31
15. 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.
16. SITE RETAINING WALL. SEE D2 / S3.11
17. DOCK LEVELER, SEE ARCHITECTURAL FOR EXACT LOCATION AND DIMENSIONS.

James R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2480
www.childersarchitect.com

PROFESSIONAL SEAL:



CONSULTANT LOGO:

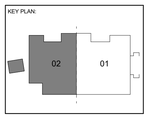
Chavez-Grieves
consulting engineers, inc.
4700 Lincoln Road NE, Suite 102 Albuquerque, NM 87109
505-344-4080 505-343-8759 (fax)

CLIENT:

WILMA P. MANKILLER HEALTH CENTER EXPANSION

STILWELL, OKLAHOMA

KEY PLAN:



PROJECT PHASE:

BID PACKAGE 01

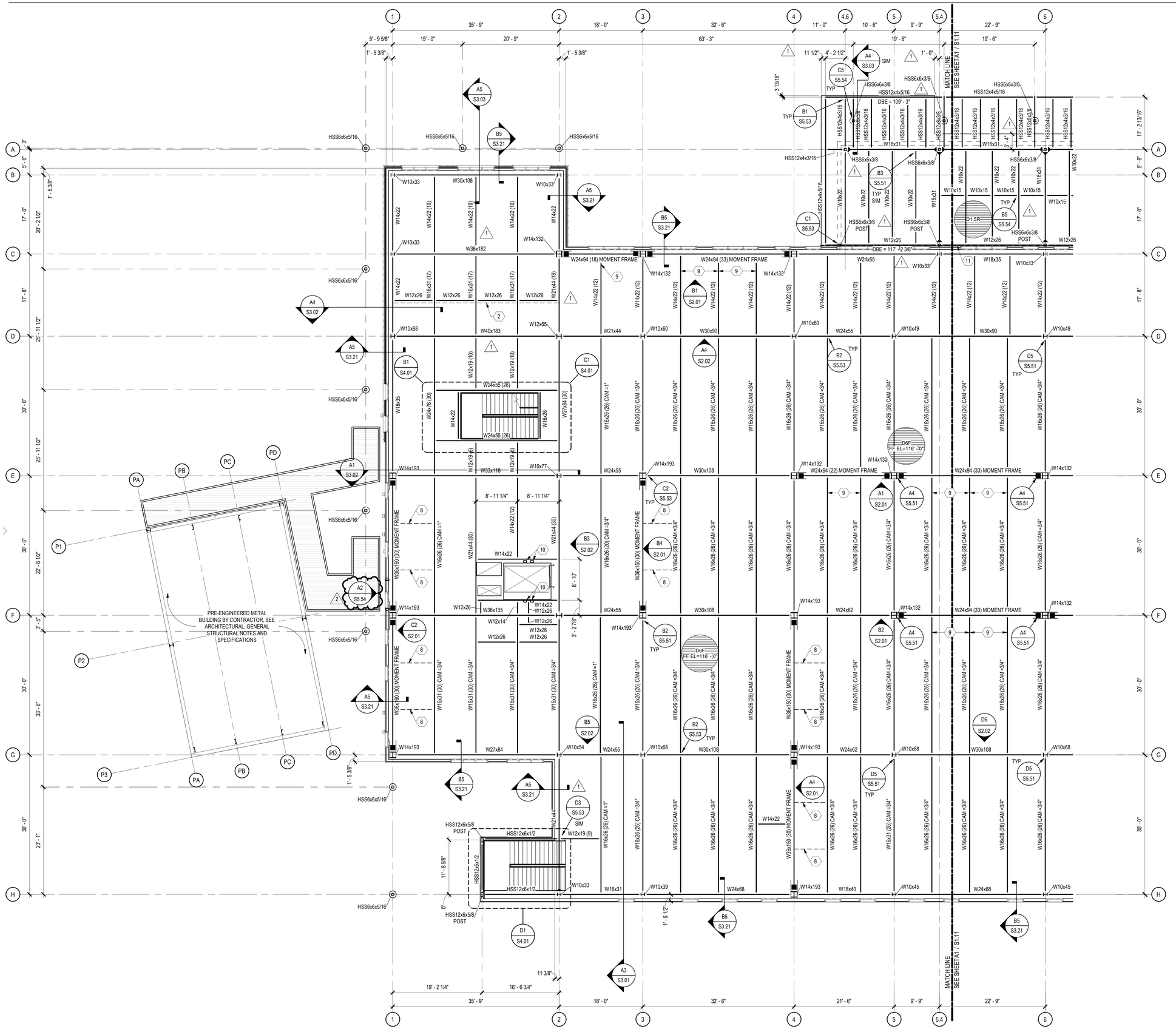
REVISIONS		
#	DATE	DESCRIPTION
1	11/22/19	BID PACKAGE 01 - ADD 01
2	12/10/19	BID PACKAGE 01 - ADD 02

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

SHEET NUMBER:

S1.02

FOUNDATION PLAN SECTOR 2



A1 FLOOR FRAMING PLAN - SECTOR 2

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

0 4' 8' 16'

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 600S162-43 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 BLOCKING 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 DOWELS DRILLED AND EPOXIED 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. HSS8x6x1/2 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.

James R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2480
www.childersarchitect.com

PROFESSIONAL SEAL:

CHRIS S. ROMERO 23576 REGISTERED PROFESSIONAL ENGINEER
11.01.19

CONSULTANT LOGO:

Chavez-Grieves consulting engineers, inc.
4700 Lincoln Road NE, Suite 102, Albuquerque, NM 87109
505-344-4080 · 505-343-8759 (fax)

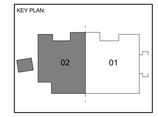
CLIENT:

TRIBAL SEAL OF THE CHEROKEE NATION EST. SEPT. 6, 1839

WILMA P. MANKILLER HEALTH CENTER EXPANSION

STILWELL, OKLAHOMA

KEY PLAN:



PROJECT PHASE:

BID PACKAGE 01

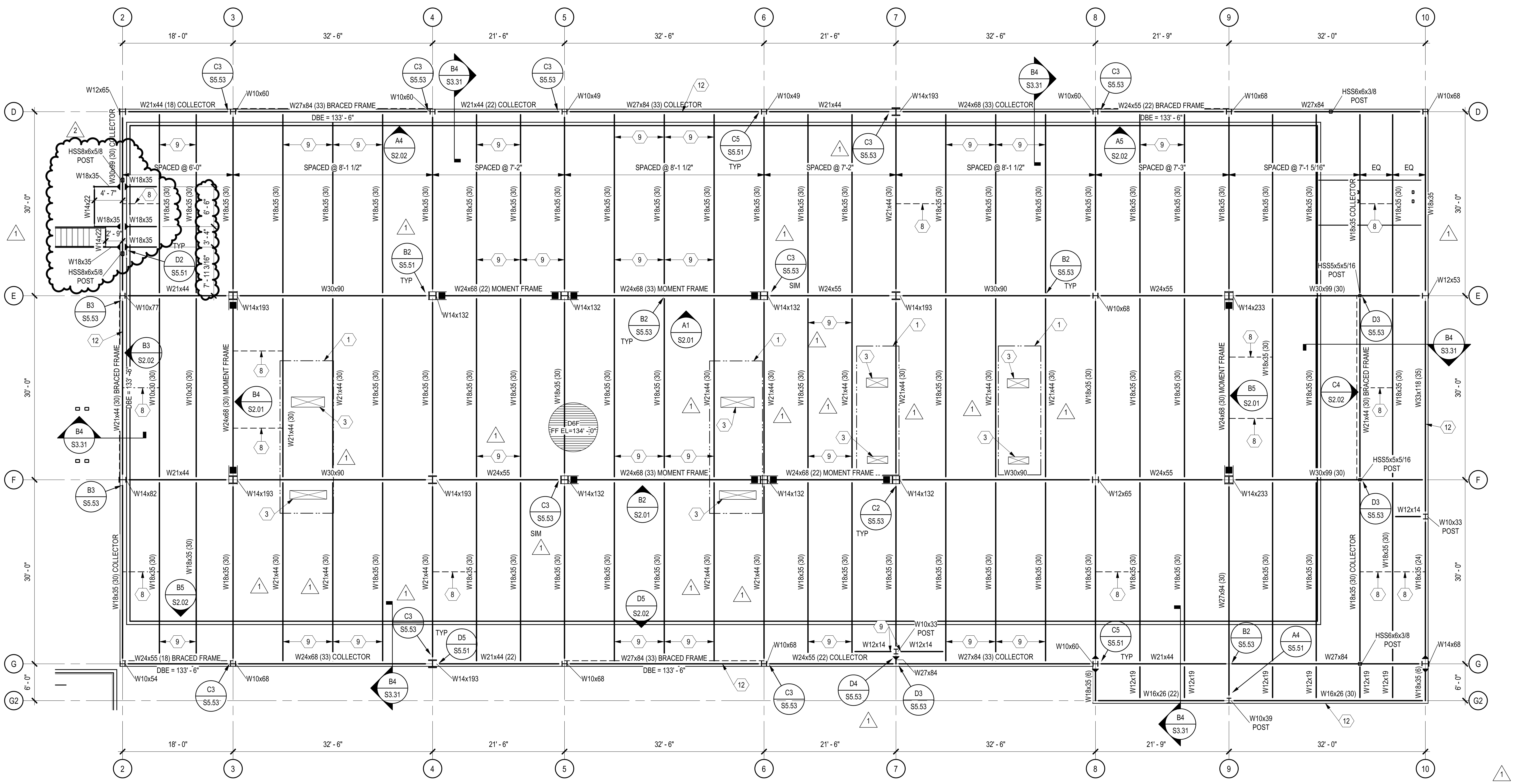
REVISIONS		
#	DATE	DESCRIPTION
1	11/22/19	BID PACKAGE 01 - ADD 01
2	12/10/19	BID PACKAGE 01 - ADD 02

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

SHEET NUMBER:

S1.12

FLOOR FRAMING PLAN - SECTOR 2



A1 LOW ROOF FRAMING PLAN

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

0 4' 8' 16'

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 600S162-43 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 BLOCKING 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 DOWELS DRILLED AND EPOXIED 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. HSS8x6x1/2 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.

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45 South 4th Street
Fort Smith, AR 72901
479-783-2480
www.childersarchitect.com

PROFESSIONAL SEAL:

LICENSED PROFESSIONAL ENGINEER CHRIS S. ROMERO 23578 OKLAHOMA 11.01.19

CONSULTANT LOGO:

Chavez-Grieves consulting engineers, inc.
4700 Lincoln Road NE, Suite 102 · Albuquerque, NM 87109
505-344-4080 · 505-343-8759 (fax)

CLIENT:

SEAL OF THE CHEROKEE NATION SEPT. 6, 1839

WILMA P. MANKILLER HEALTH CENTER EXPANSION

STILWELL, OKLAHOMA

KEY PLAN: 02 01

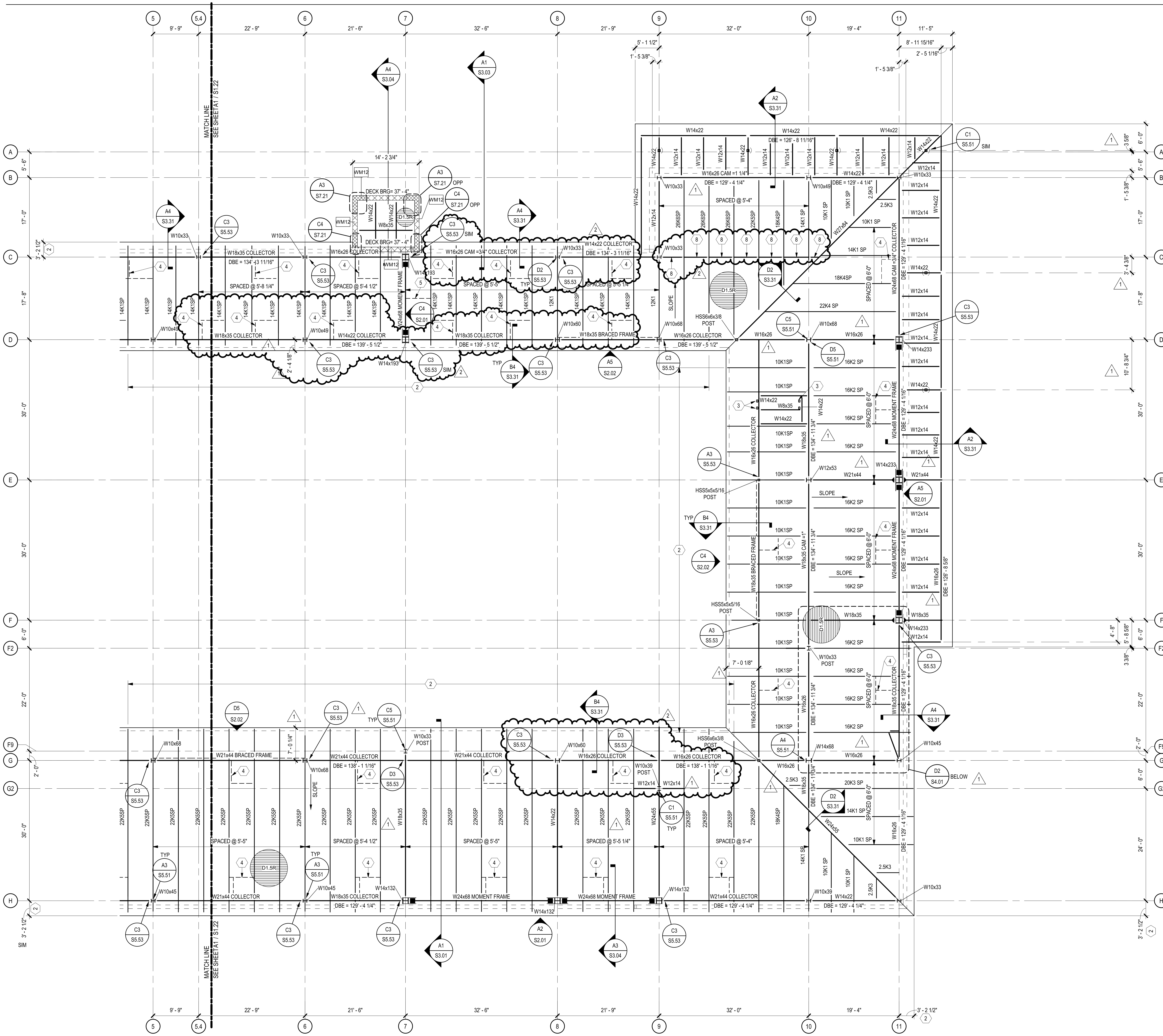
PROJECT PHASE: BID PACKAGE 01

REVISIONS		
#	DATE	DESCRIPTION
1	11/22/19	BID PACKAGE 01 - ADD 01
2	12/10/19	BID PACKAGE 01 - ADD 02

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

SHEET NUMBER: S1.13

LOW ROOF FRAMING PLAN



A1 ROOF FRAMING PLAN - SECTOR 1

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. 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 GIRDERS 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 HSS5xJOIST 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. HSS8x6x1/2 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. L4x4x3/8 BETWEEN JOISTS. PROVIDE DECK ATTACHMENTS PER SCHEDULE AT ANGLES.

James R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2480
www.childersarchitect.com

PROFESSIONAL SEAL: LICENSED PROFESSIONAL ENGINEER CHRIS S. ROMERO 23578 OKLAHOMA 11.01.19

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4700 Lincoln Road NE, Suite 102 · Albuquerque, NM 87109
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CLIENT: SEAL OF THE CHEROKEE NATION SEPT. 6, 1839

WILMA P. MANKILLER HEALTH CENTER EXPANSION

STILWELL, OKLAHOMA

KEY PLAN: 02 01

PROJECT PHASE: BID PACKAGE 01

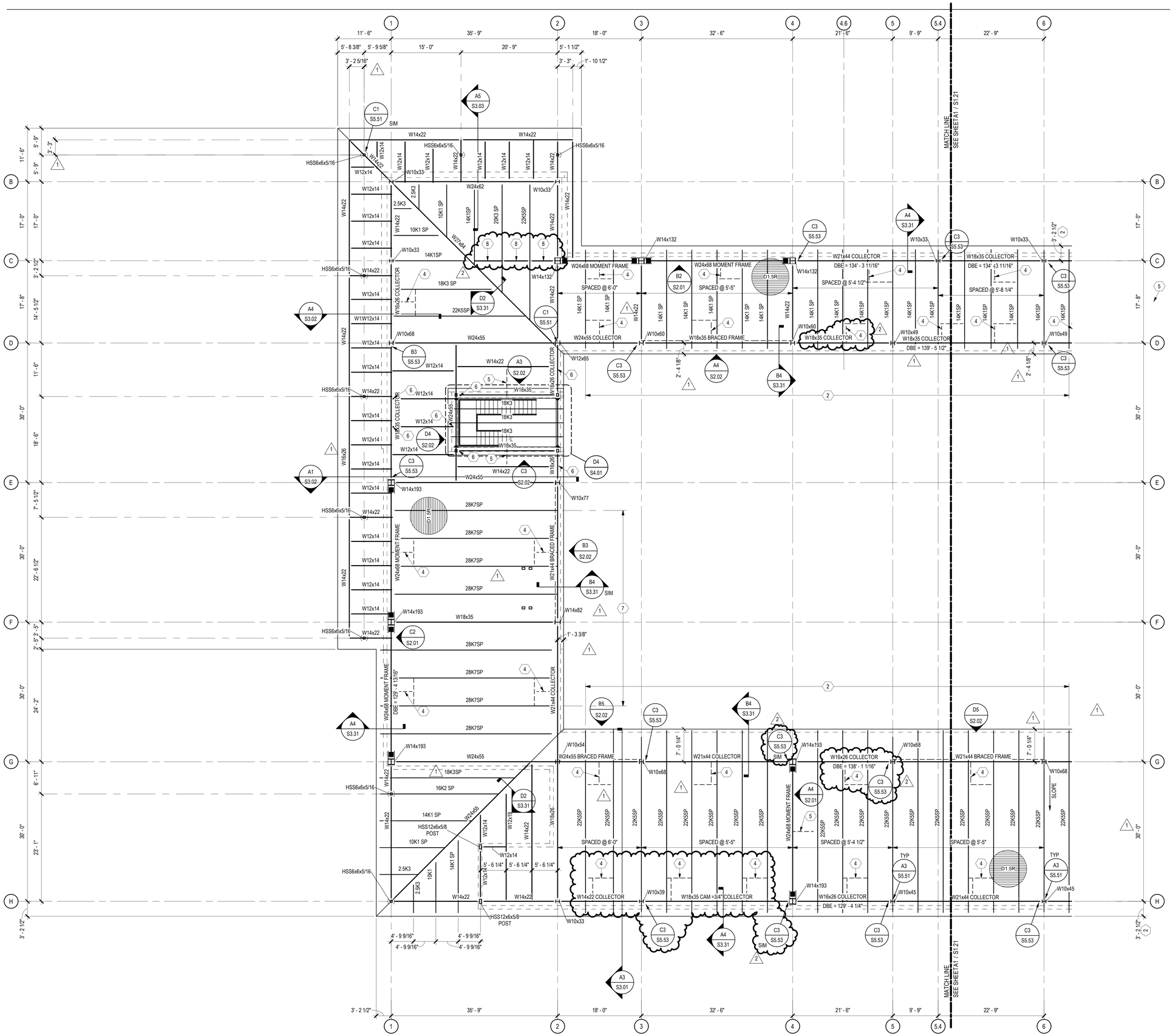
#	DATE	DESCRIPTION
1	11/22/19	BID PACKAGE 01 - ADD 01
2	12/10/19	BID PACKAGE 01 - ADD 02

DATE: 11-01-19

JOB NUMBER: 18-01.01

SHEET NUMBER: S1.21

ROOF FRAMING PLAN - SECTOR 1



A1 ROOF 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. BEAMS AND JOISTS ARE SPACED EQUALLY BETWEEN GRIDS AND COLUMNS UNLESS NOTED OTHERWISE.
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8. STEEL JOIST MANUFACTURER SHALL DESIGN ROOF JOISTS AND ROOF JOIST GIRDERS 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 HSSSxJOIST 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. HSS8x6x1/2 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. L4x4x3/8 BETWEEN JOISTS. PROVIDE DECK ATTACHMENTS PER SCHEDULE AT ANGLES.

James R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2480
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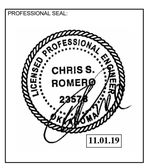
PROFESSIONAL SEAL:



CONSULTANT LOGO:

Chavez-Grieves
consulting engineers, inc.
4700 Lincoln Road NE, Suite 102 Albuquerque, NM 87109
505-344-4080 505-343-8729 (fax)

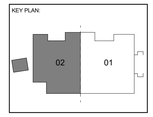
CLIENT:

THE CHEROKEE NATION TRIBAL SEAT SEPT. 6, 1839

WILMA P. MANKILLER HEALTH CENTER EXPANSION

STILWELL, OKLAHOMA

KEY PLAN:



PROJECT PHASE:

BID PACKAGE 01

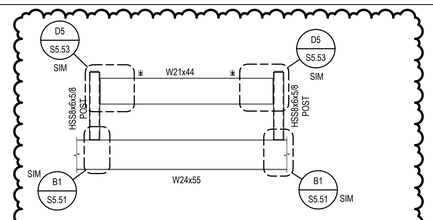
REVISIONS		
#	DATE	DESCRIPTION
1	11/22/19	BID PACKAGE 01 - ADD 01
2	12/10/19	BID PACKAGE 01 - ADD 02

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

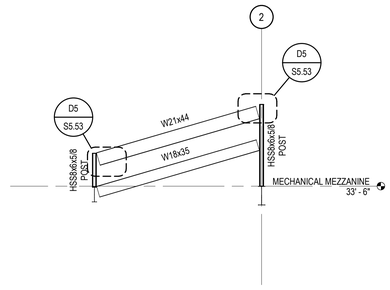
SHEET NUMBER:

S1.22

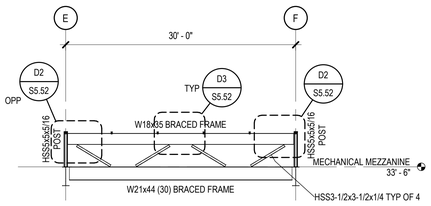
ROOF FRAMING PLAN - SECTOR 2



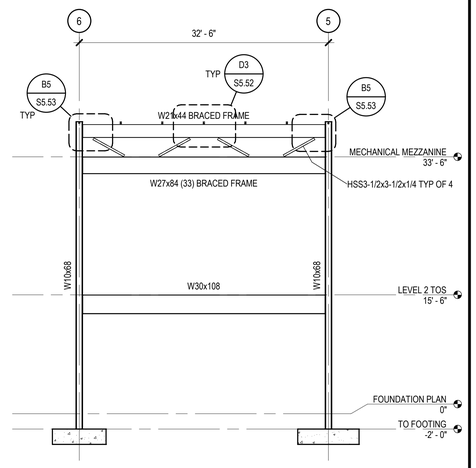
D4 BRACED FRAME ELEVATION
SCALE: 1/4" = 1'-0"



C3 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"



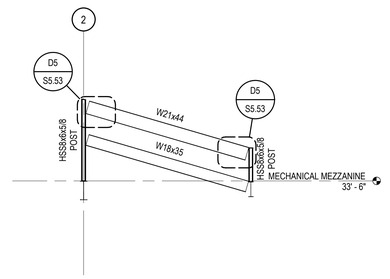
C4 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"



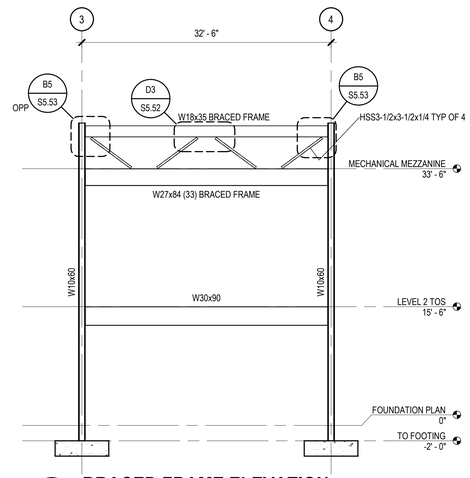
D5 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"

B3 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"

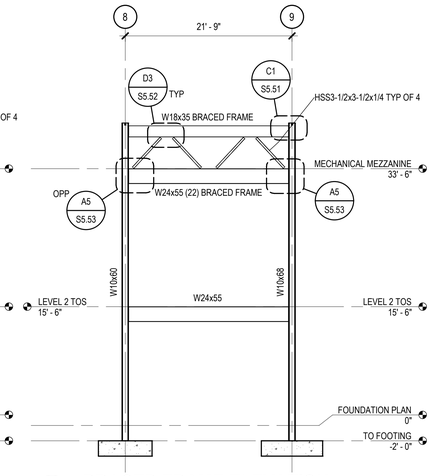
B5 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"



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



A4 BRACED FRAME ELEVATION
SCALE: 1/8" = 1'-0"



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

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CLIENT:

WILMA P. MANKILLER HEALTH CENTER EXPANSION
STILWELL, OKLAHOMA

KEY PLAN:

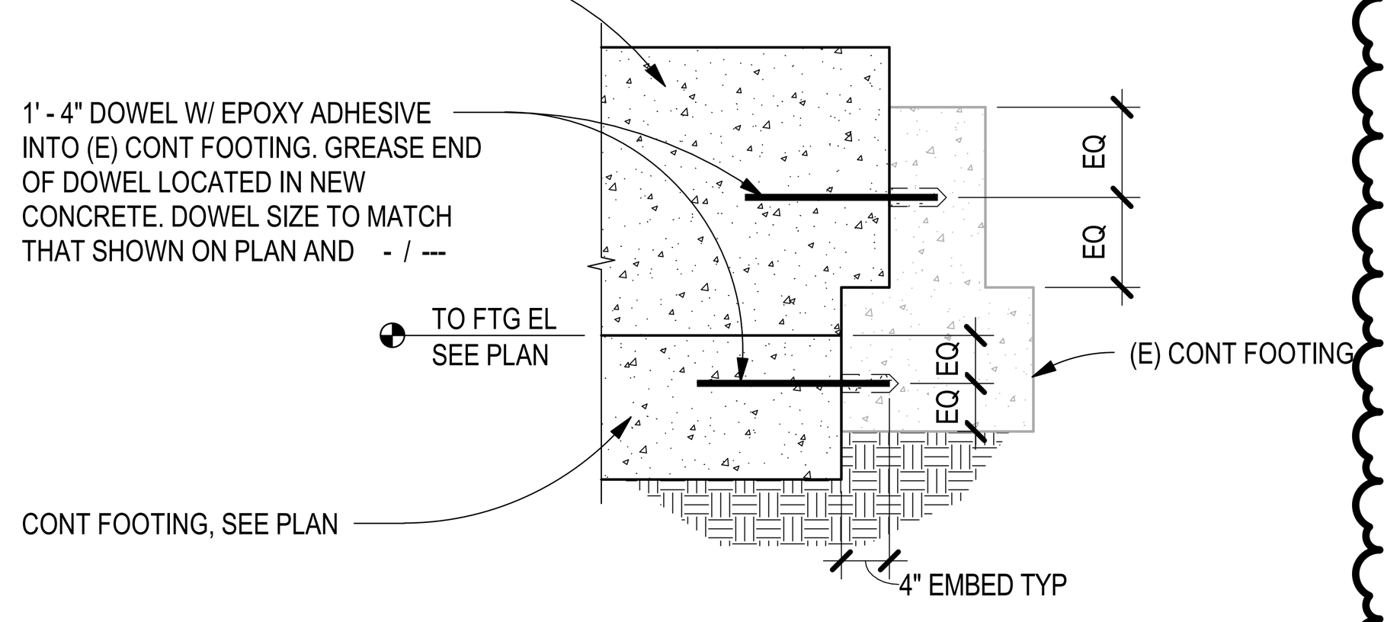
PROJECT PHASE:
BID PACKAGE 01

REVISIONS		
#	DATE	DESCRIPTION
2	12/10/19	BID PACKAGE 01 - ADD 02

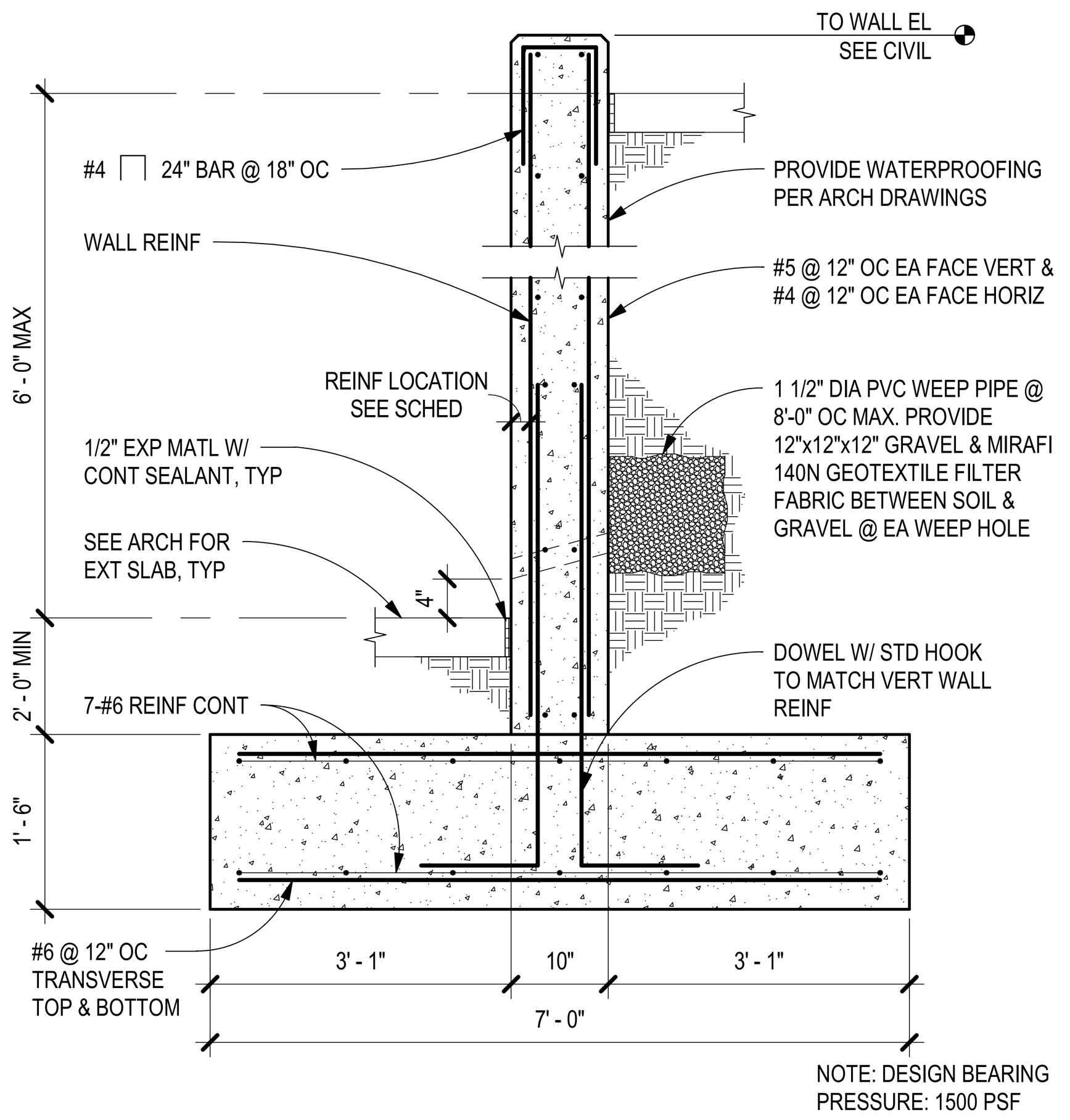
DATE:	JOB NUMBER:
11-01-19	18-01.01

SHEET NUMBER:
S2.02

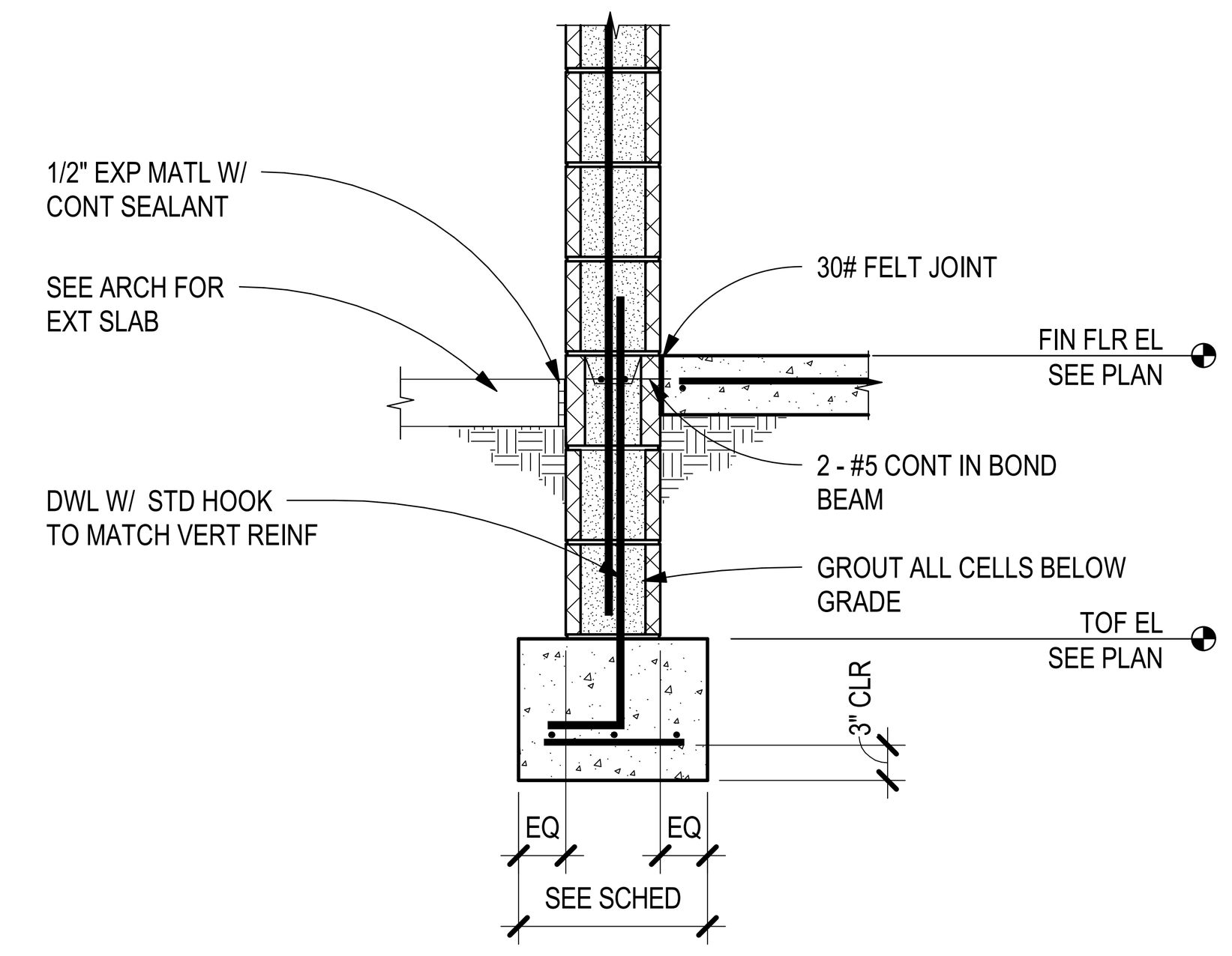
MOMENT FRAME AND BRACED FRAME ELEVATIONS



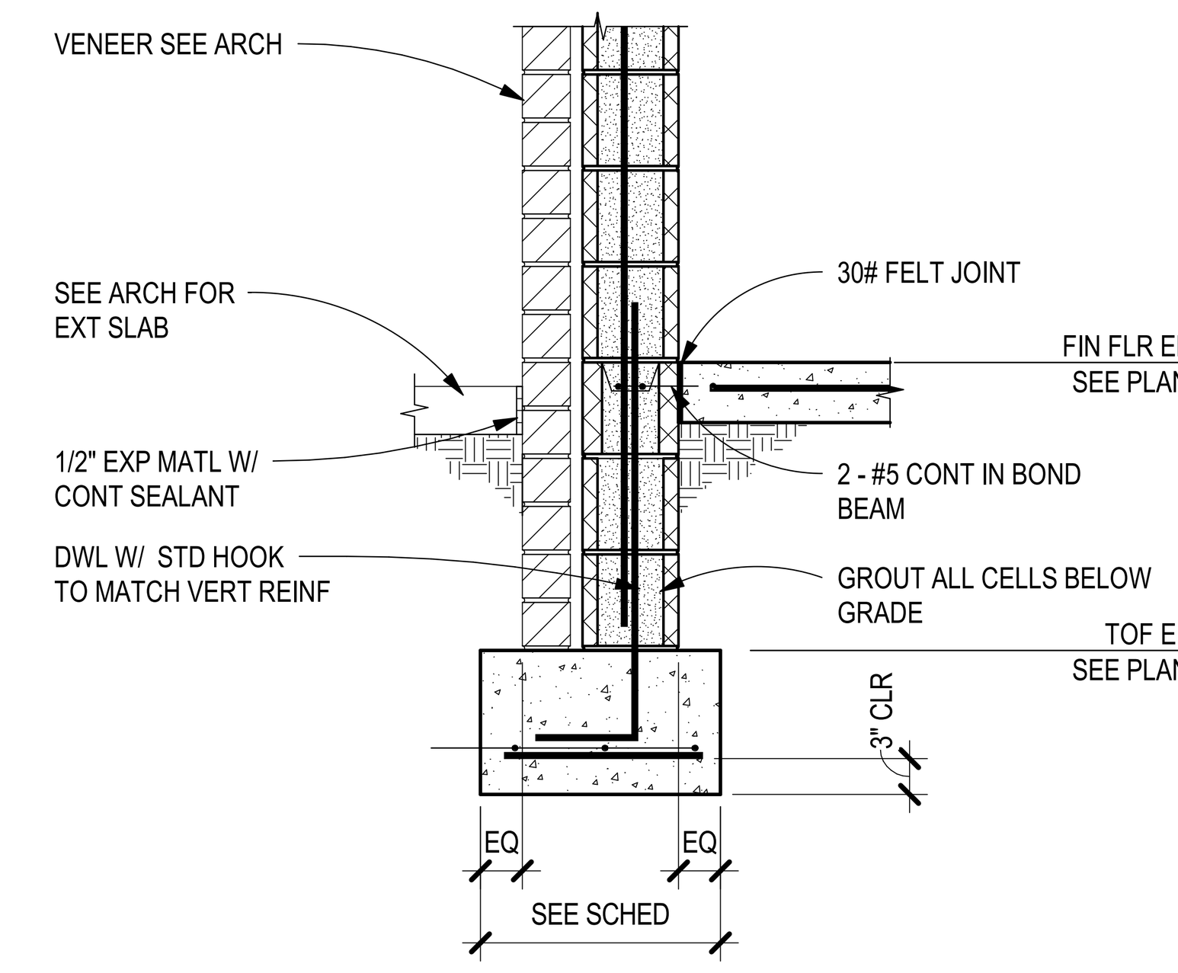
D1 DOWEL INTO (E) CONTINUOUS FOOTING
SCALE: 3/4" = 1'-0"



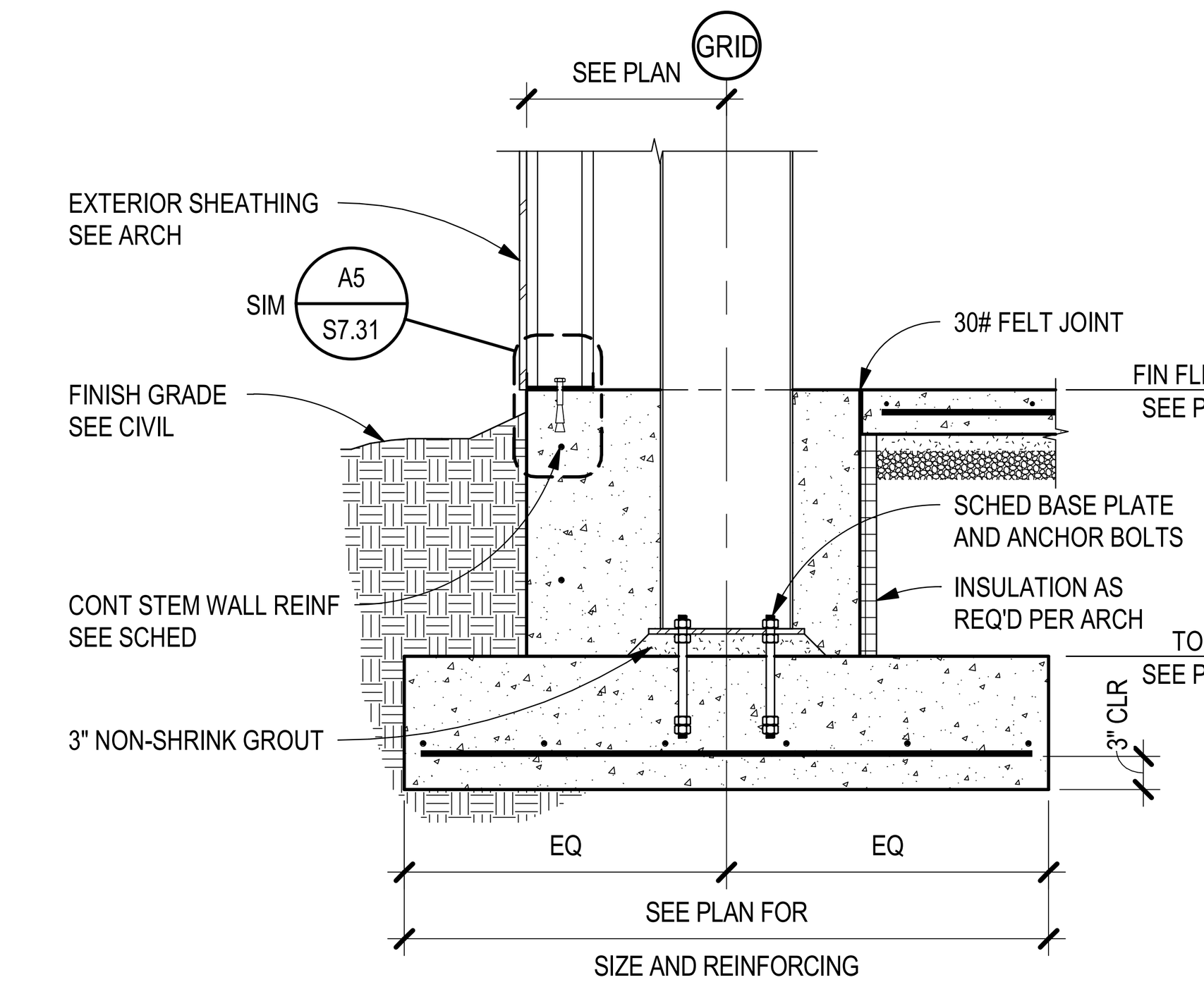
D2 RETAINING WALL SECTION
SCALE: 3/4" = 1'-0"



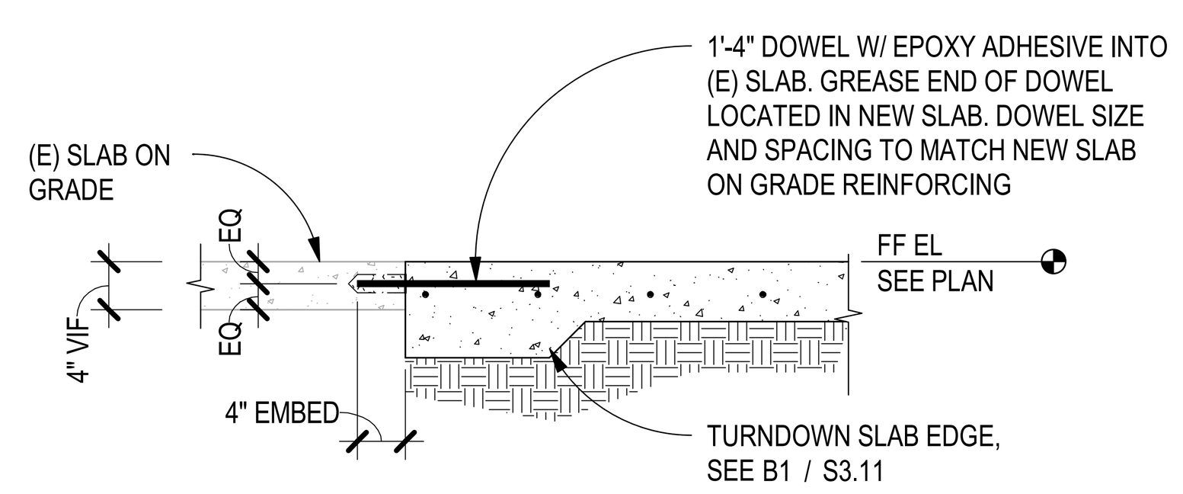
D3 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



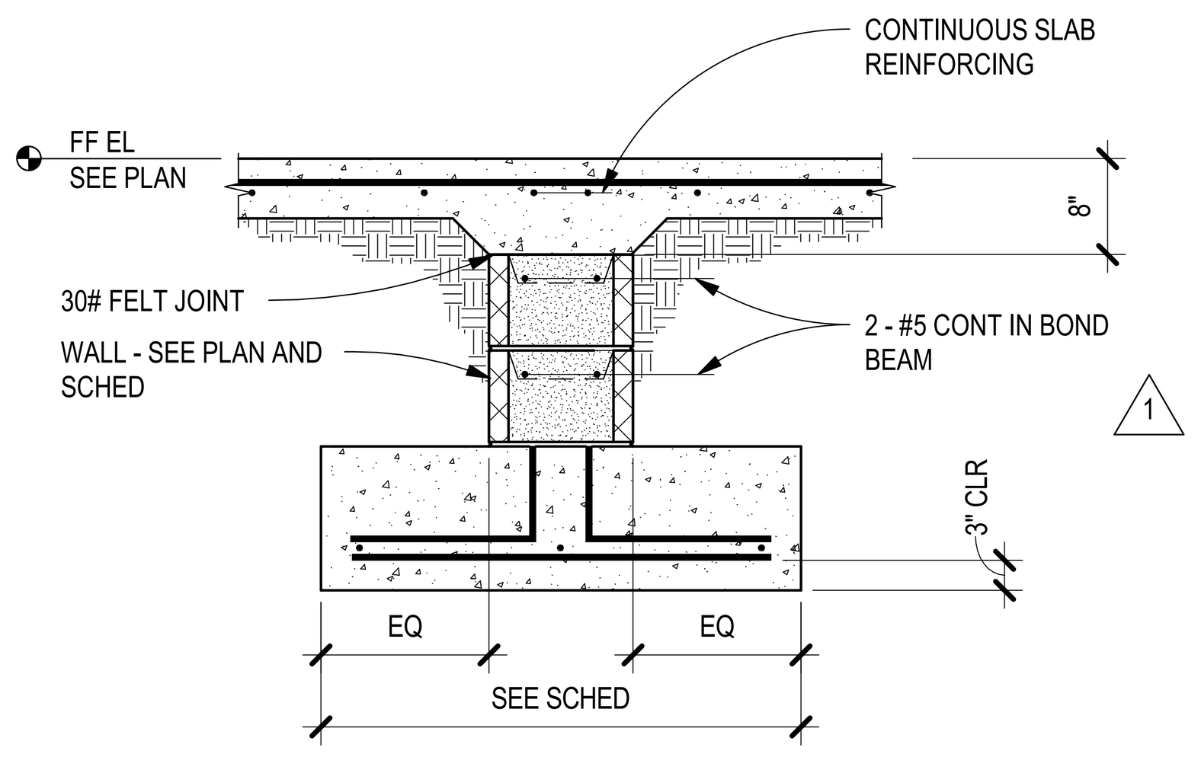
D4 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



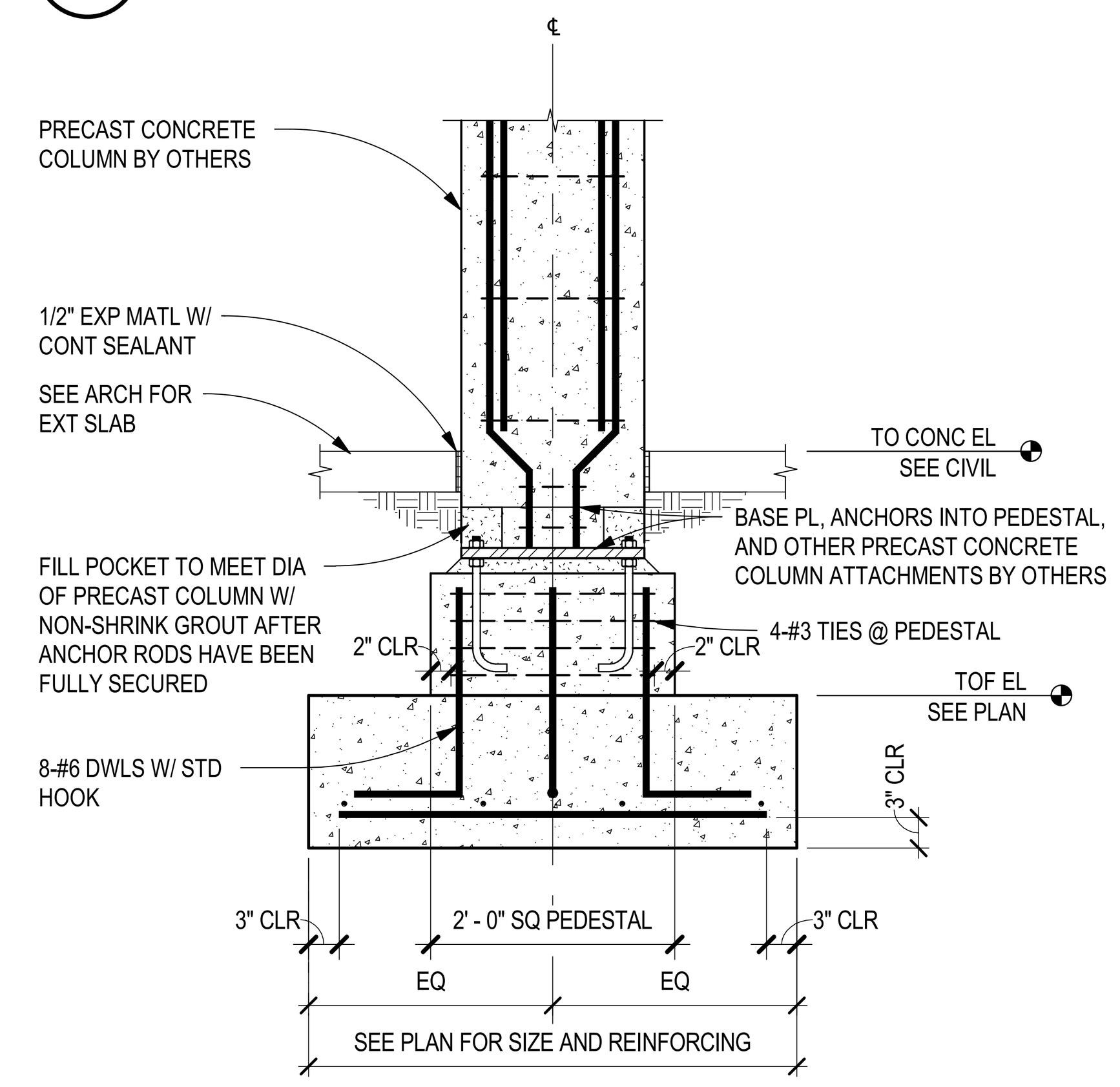
D5 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



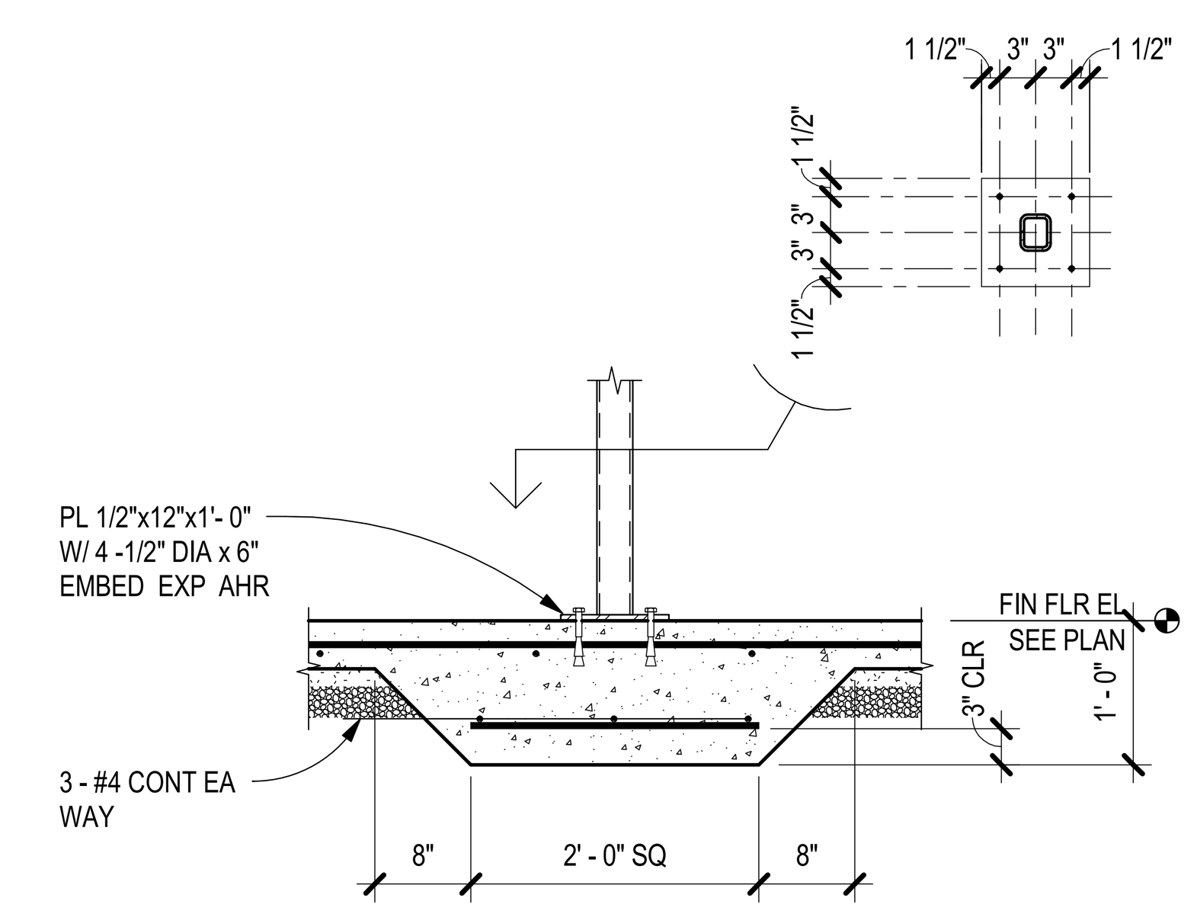
C1 DOWEL INTO (E) SLAB ON GRADE
SCALE: 3/4" = 1'-0"



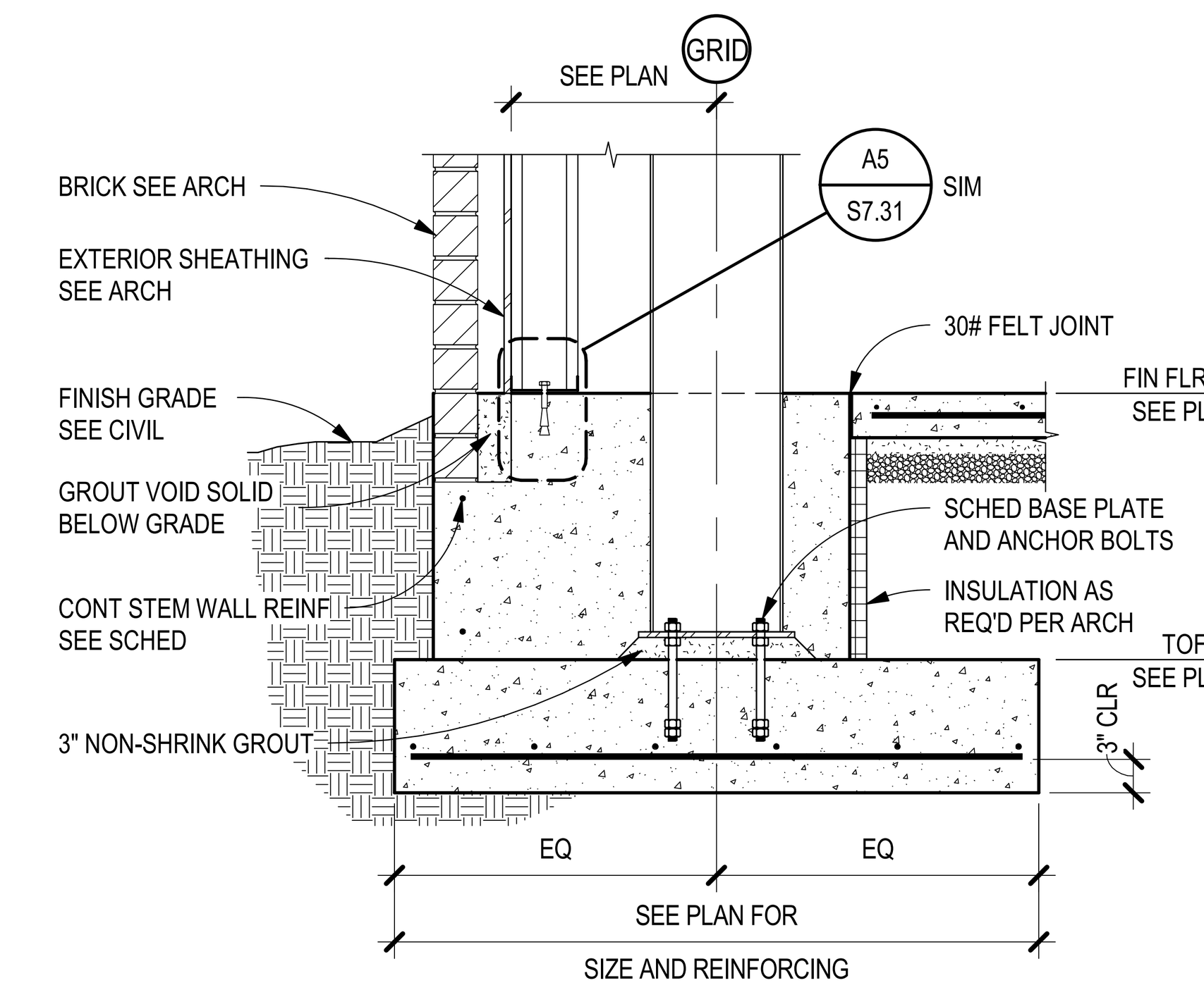
C2 INT SECTION @ DOORWAYS CMU
SCALE: 3/4" = 1'-0"



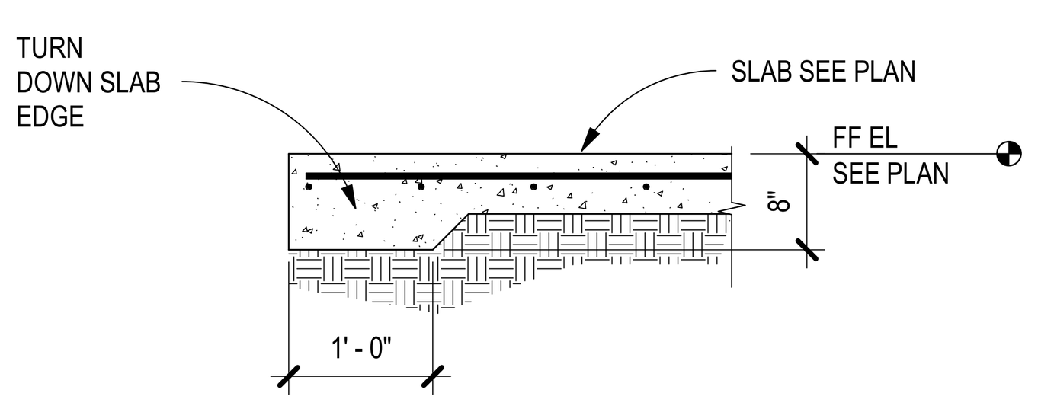
C3 EXT CONC COLUMN SECTION
SCALE: 3/4" = 1'-0"



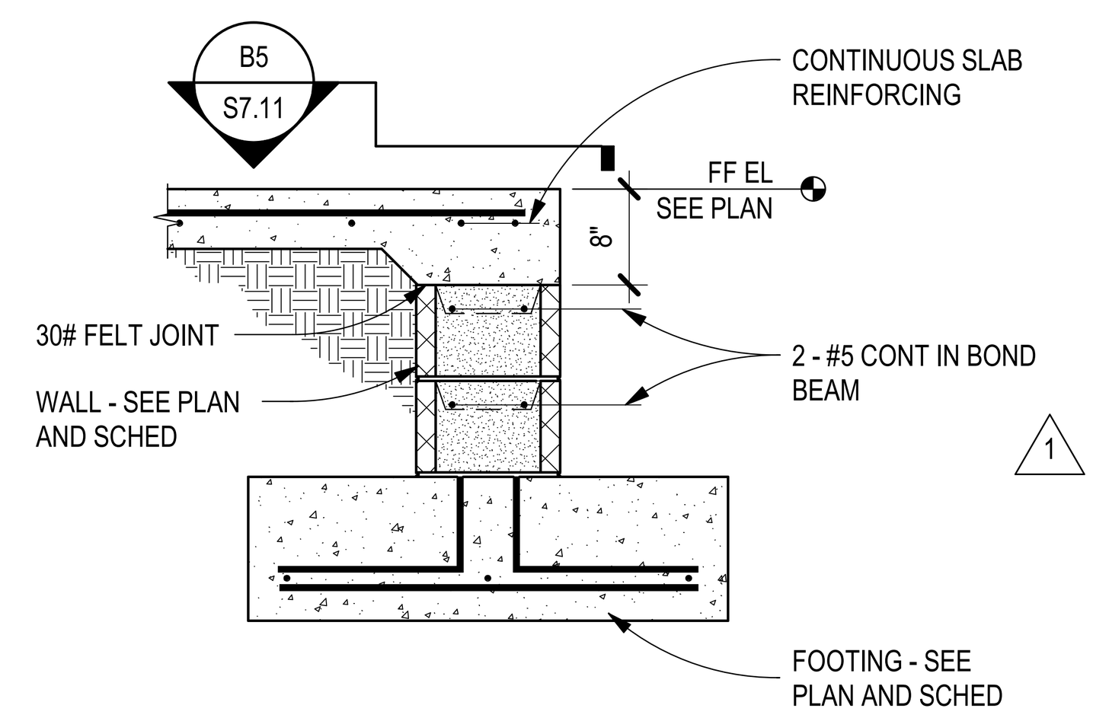
C4 INT COLUMN AT THICKENED SLAB
SCALE: 3/4" = 1'-0"



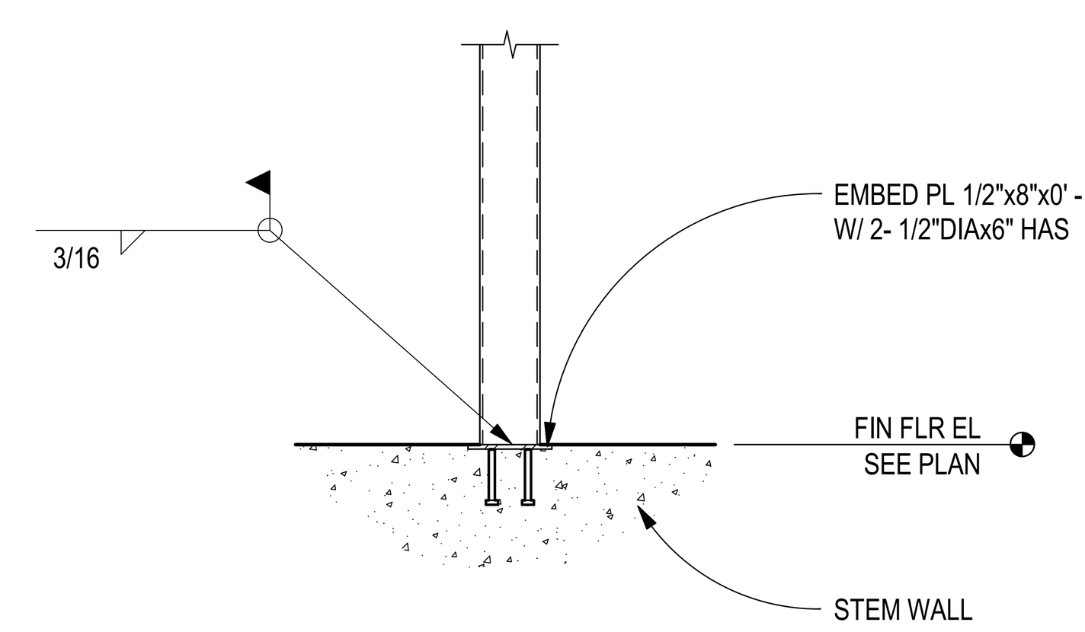
C5 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



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



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

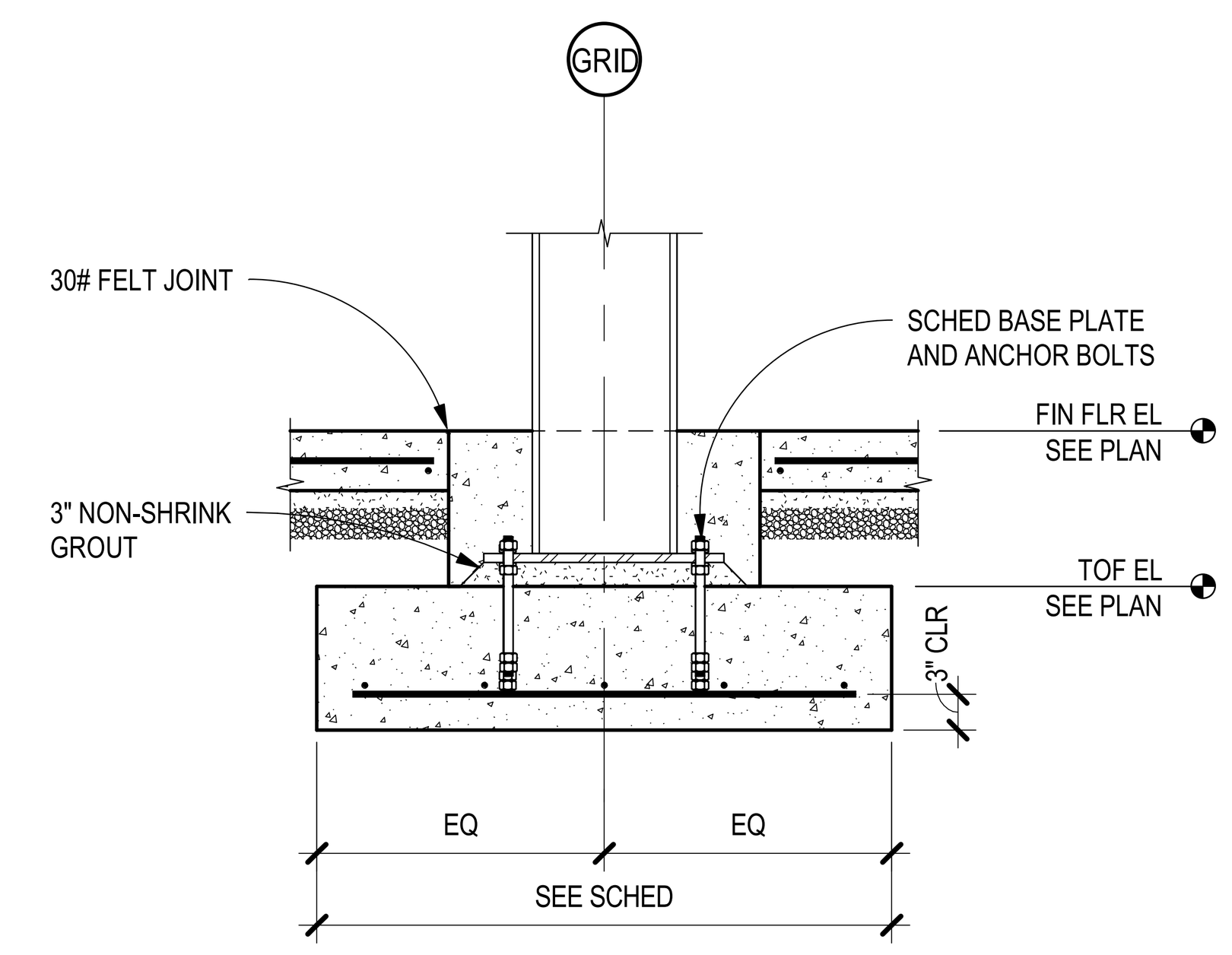


B3 HSS TO STEM WALL SECTION
SCALE: 3/4" = 1'-0"

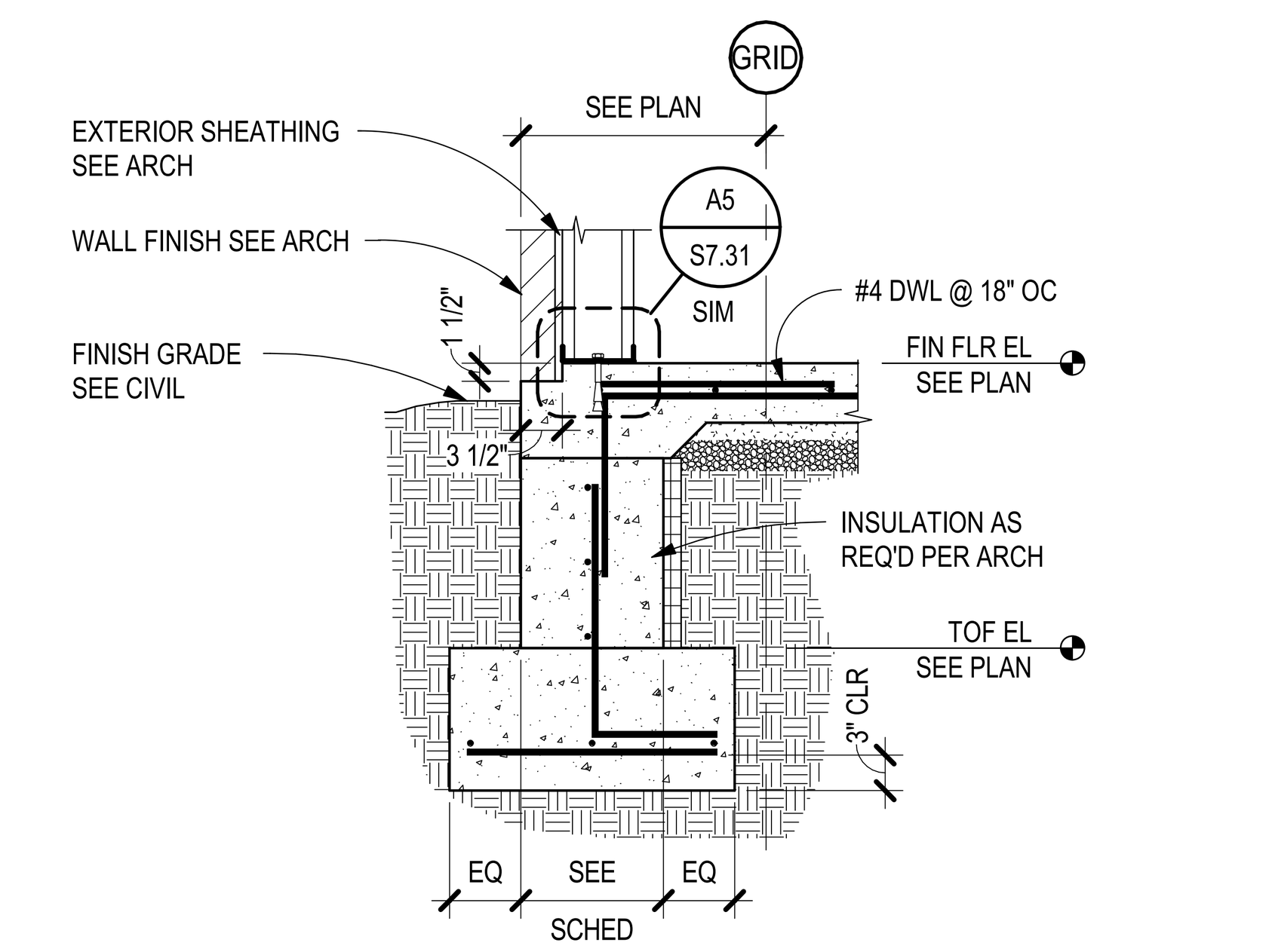
CAST-IN-PLACE CONCRETE:
ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-05.
ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE.
NORMAL WEIGHT CONCRETE: F'C = 4000 PSI @ 28 DAYS

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-BENT 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.

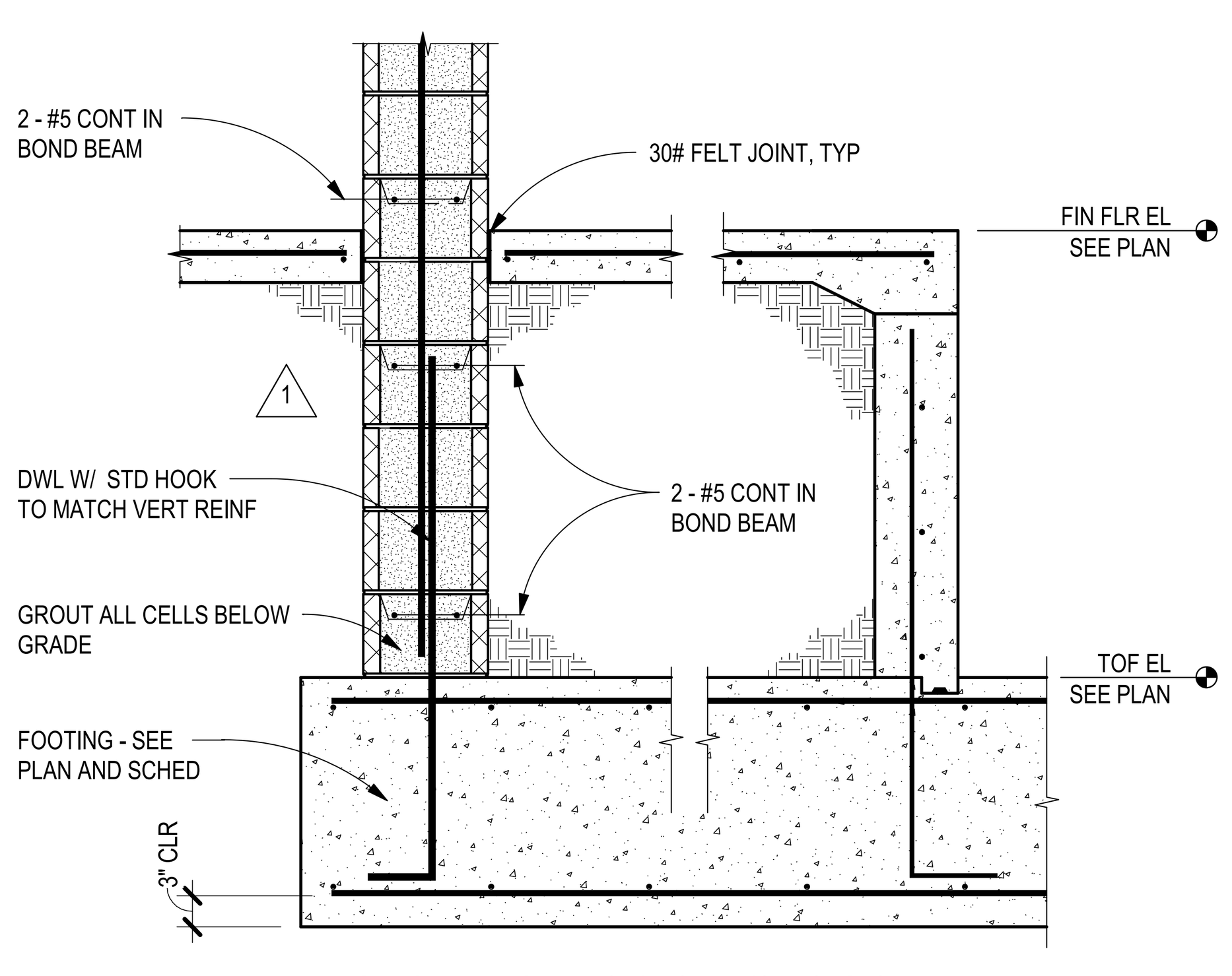
STRUCTURAL AND MISCELLANEOUS STEEL
ANCHOR BOLTS EMBEDDED IN CONCRETE SHALL BE ASTM F1554 GRADE 36 THREADED RODS WITH DOUBLE NUTS. PROVIDE FLAT WASHERS BETWEEN NUTS AND BASEPLATE SURFACES. ANCHOR BOLT LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE 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.



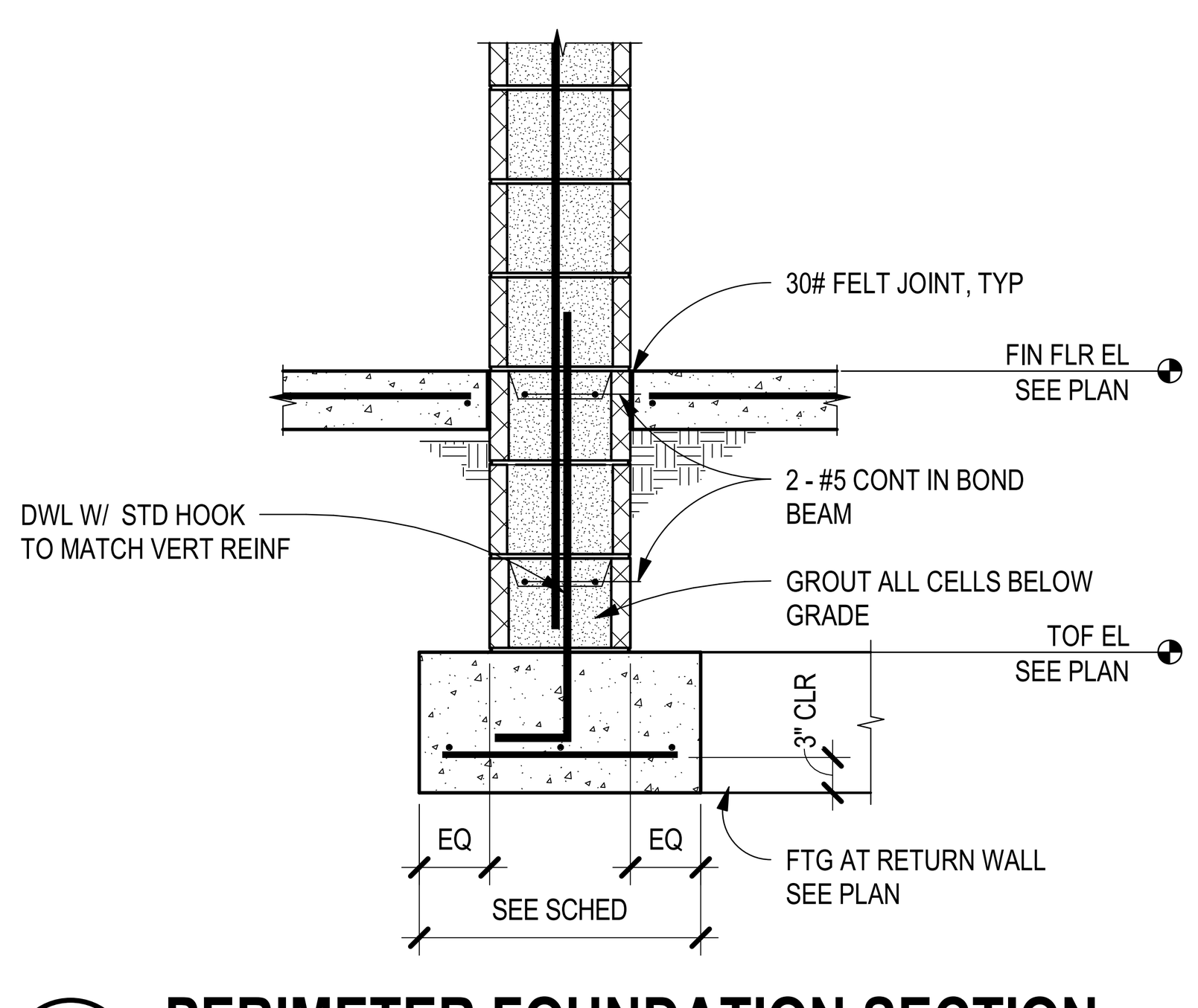
B4 INTERIOR COLUMN SECTION
SCALE: 3/4" = 1'-0"



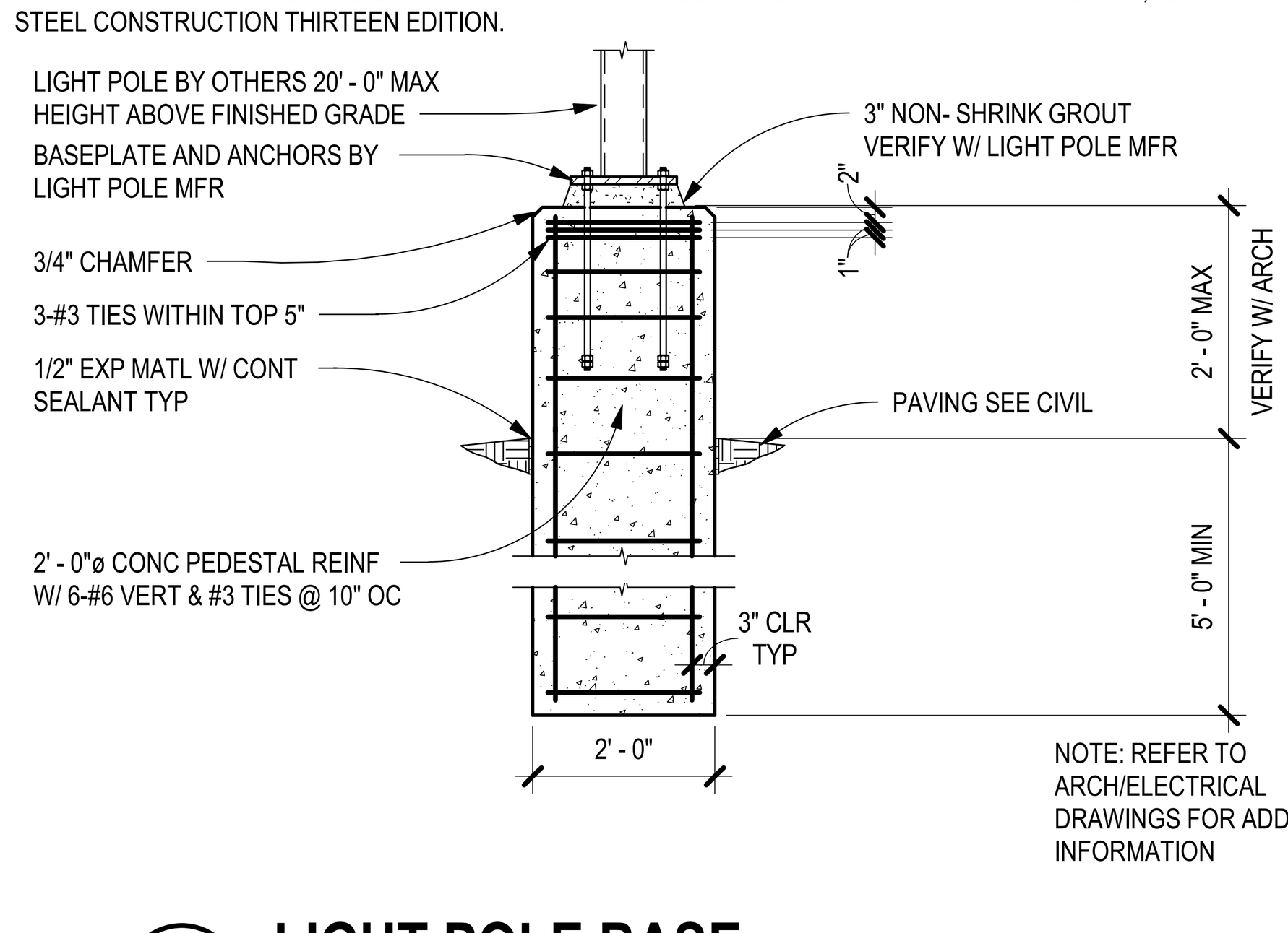
B5 FOUNDATION SECTION NO VENEER
SCALE: 3/4" = 1'-0"



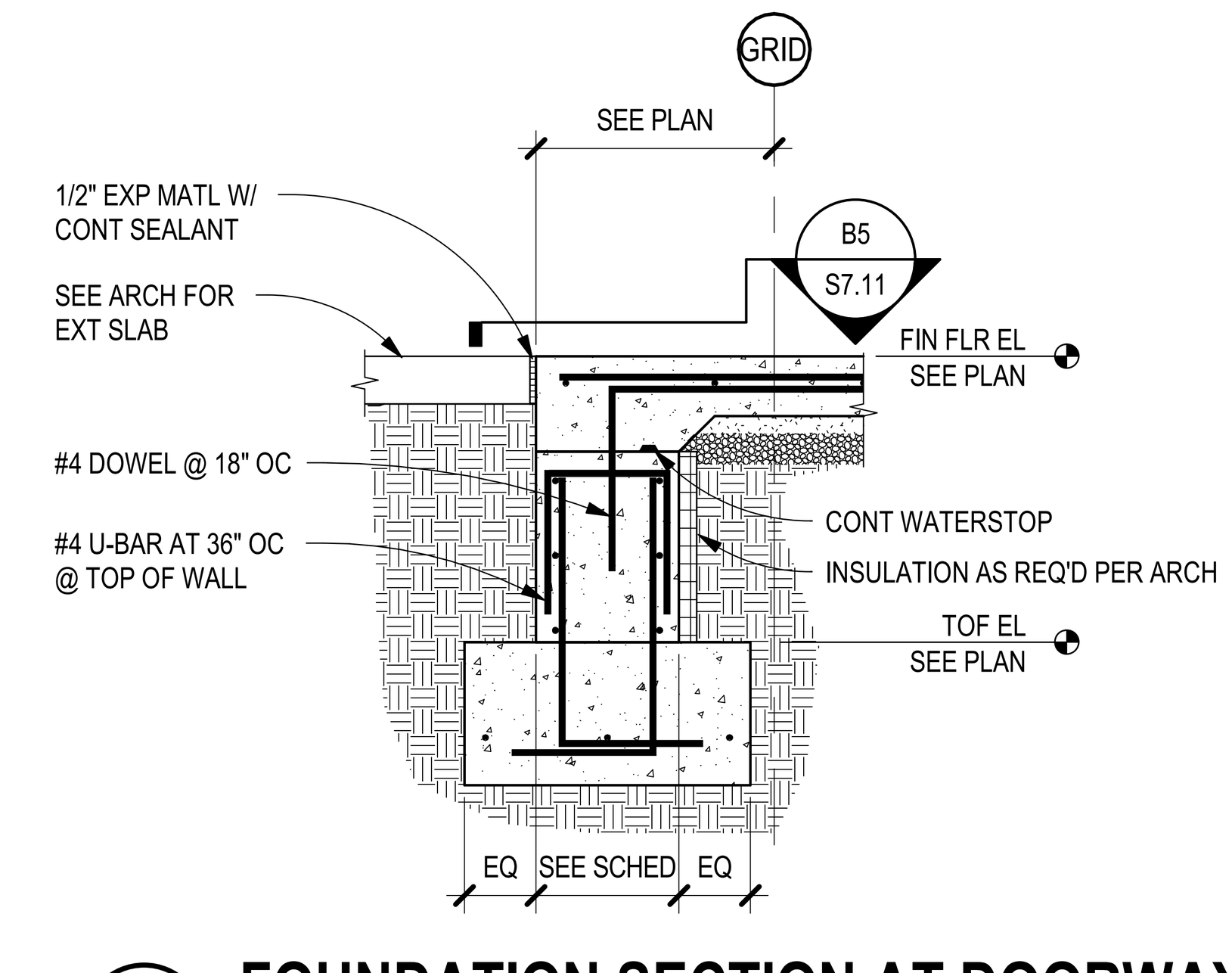
A1 FOUNDATION SECTION @ ELEVATOR
SCALE: 3/4" = 1'-0"



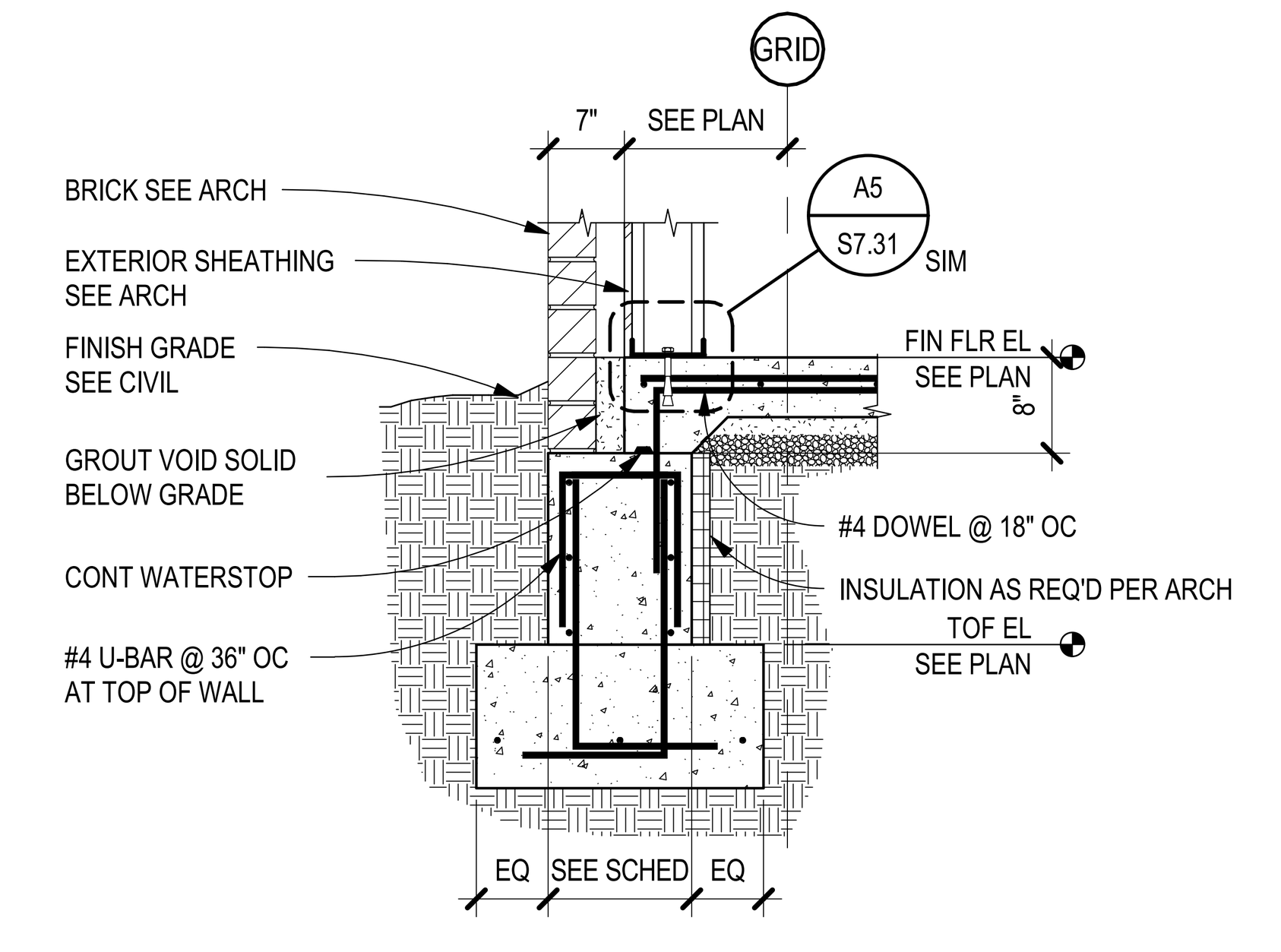
A2 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



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



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



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

James R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2480
www.childersarchitect.com

PROFESSIONAL SEAL:
LICENSED PROFESSIONAL ENGINEER CHRIS S. ROMERO 23578 OKLAHOMA
11.01.19

CONSULTANT LOGO:
Chavez-Grieves consulting engineers, inc.

CLIENT:

WILMA P. MANKILLER HEALTH CENTER EXPANSION
STILWELL, OKLAHOMA

KEY PLAN:

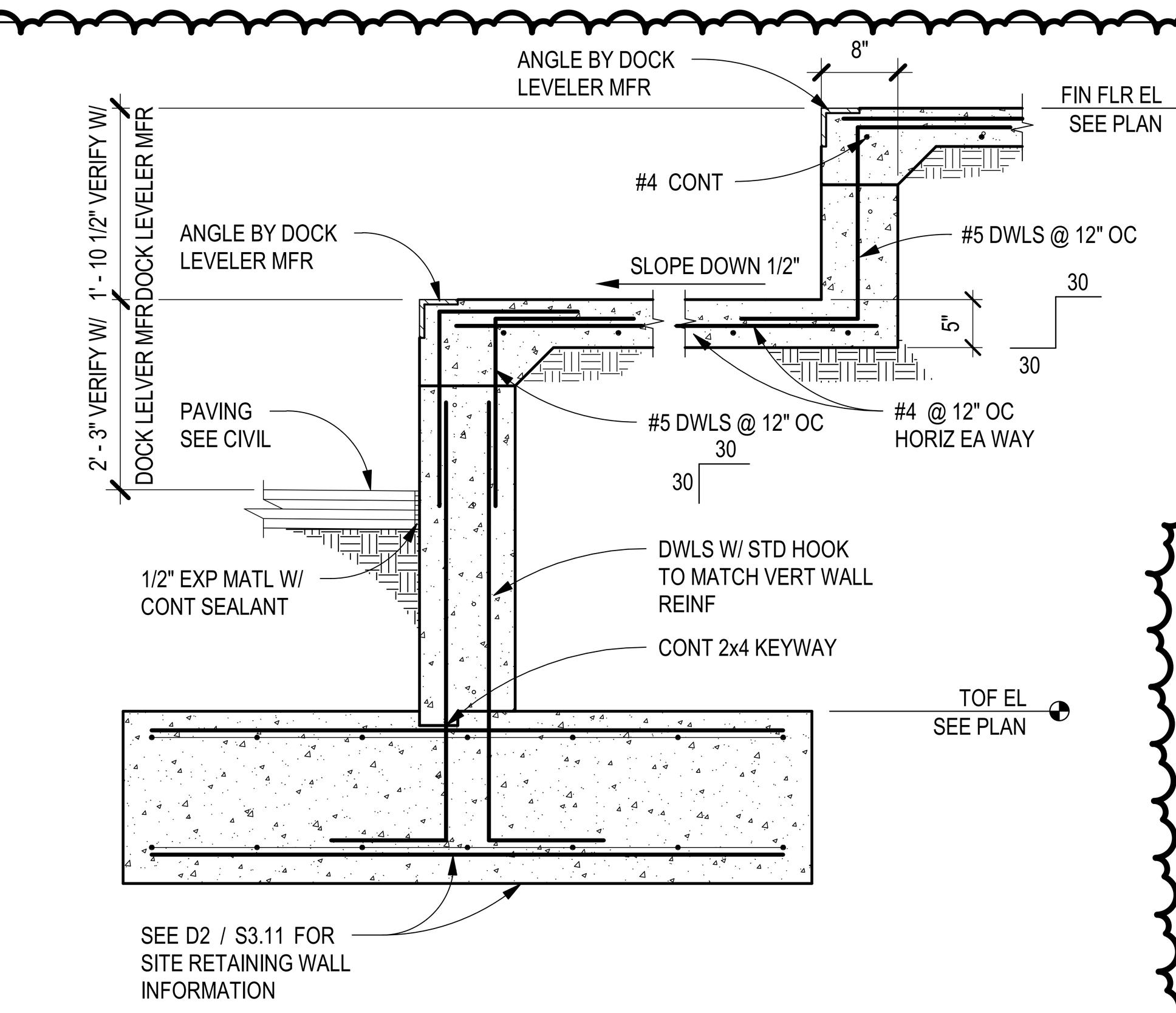
PROJECT PHASE:
BID PACKAGE 01

REVISIONS		
#	DATE	DESCRIPTION
1	11/22/19	BID PACKAGE 01 - ADD 01
2	12/10/19	BID PACKAGE 01 - ADD 02

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

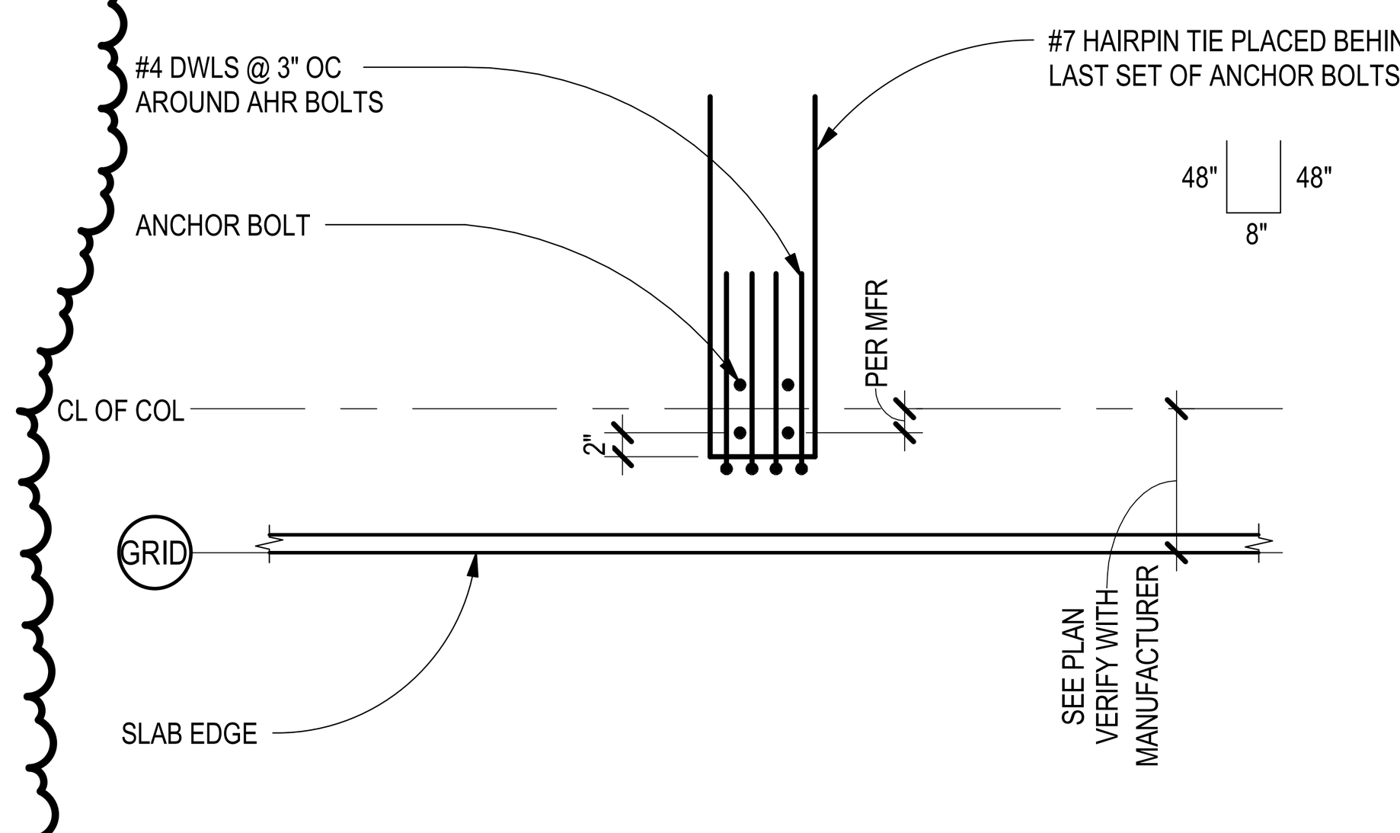
SHEET NUMBER:
S3.11

FOUNDATION SECTIONS

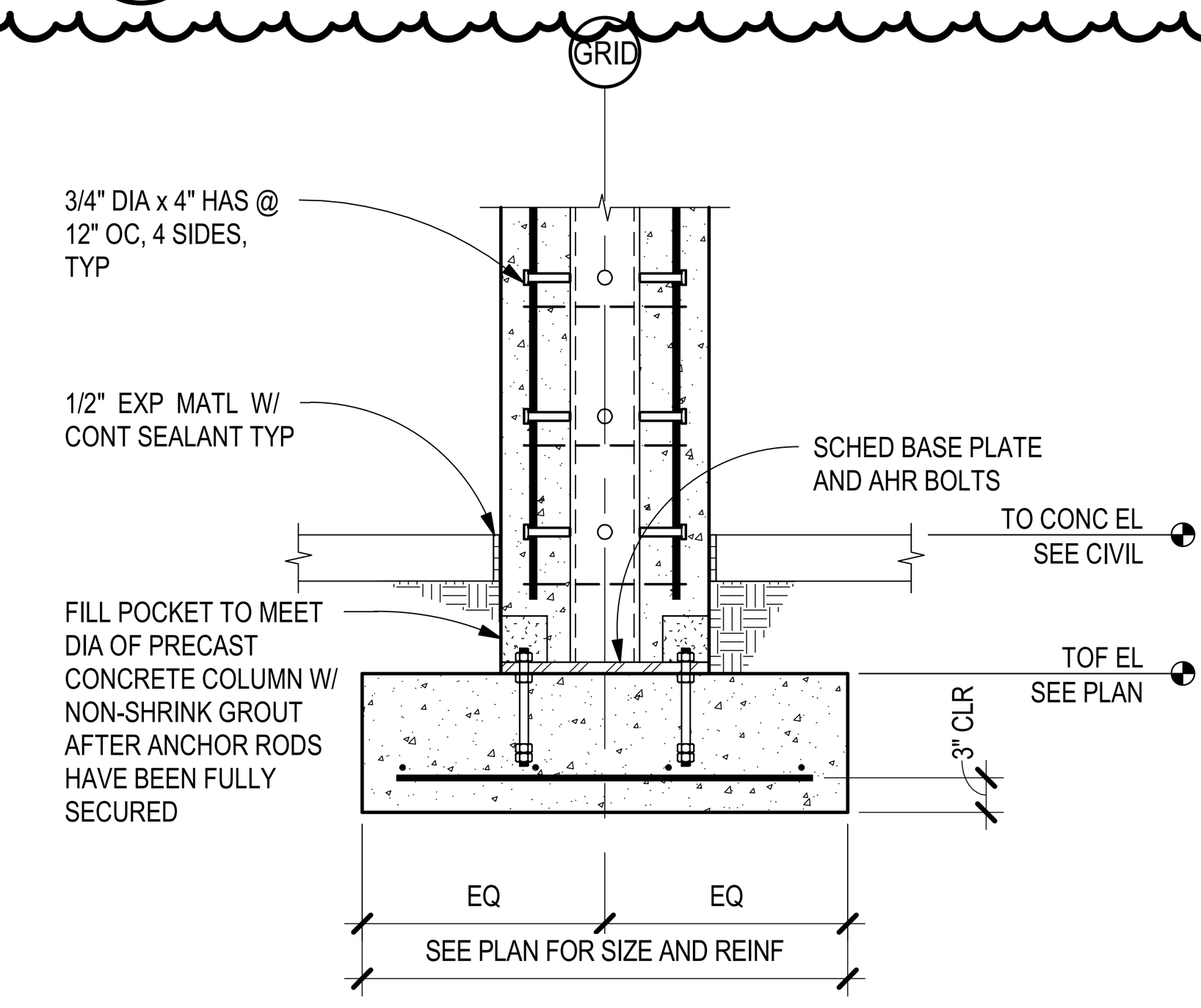


D4 DOCK LEVELER SECTION
SCALE: 3/4" = 1'-0"

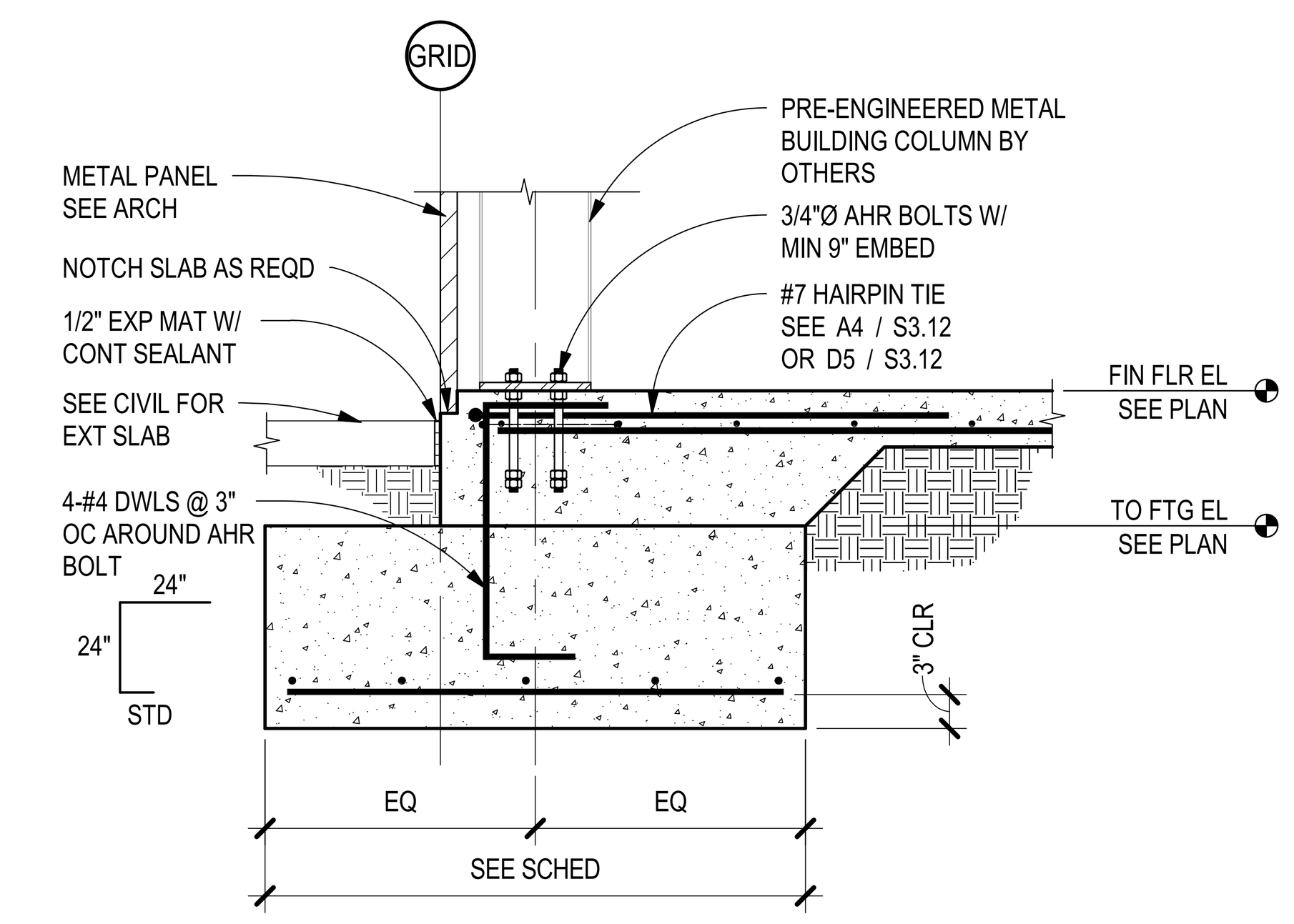
2



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

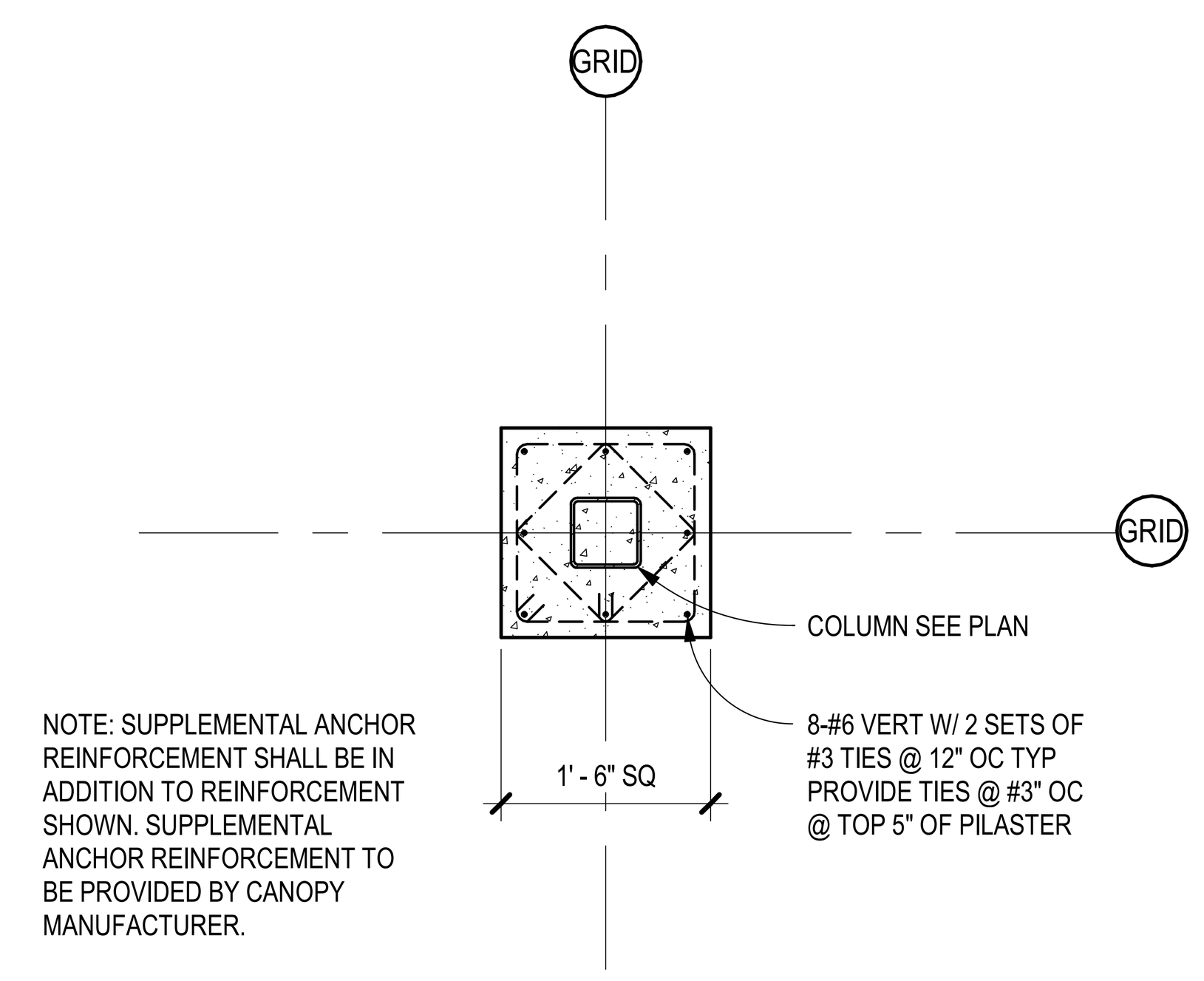


C4 EXTERIOR COLUMN SECTION
SCALE: 3/4" = 1'-0"

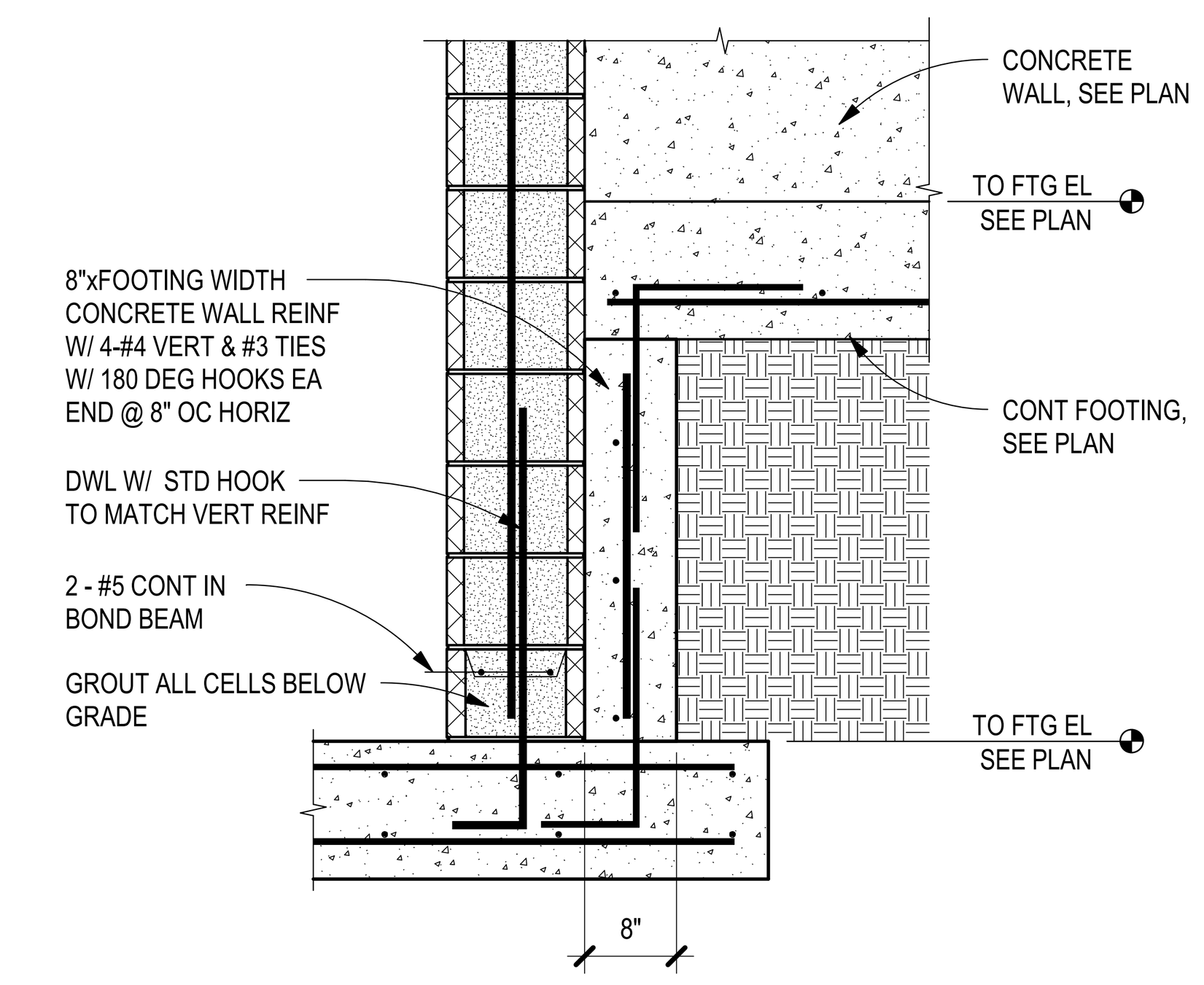


C5 PERIMETER SECTION @ COLUMN
SCALE: 3/4" = 1'-0"

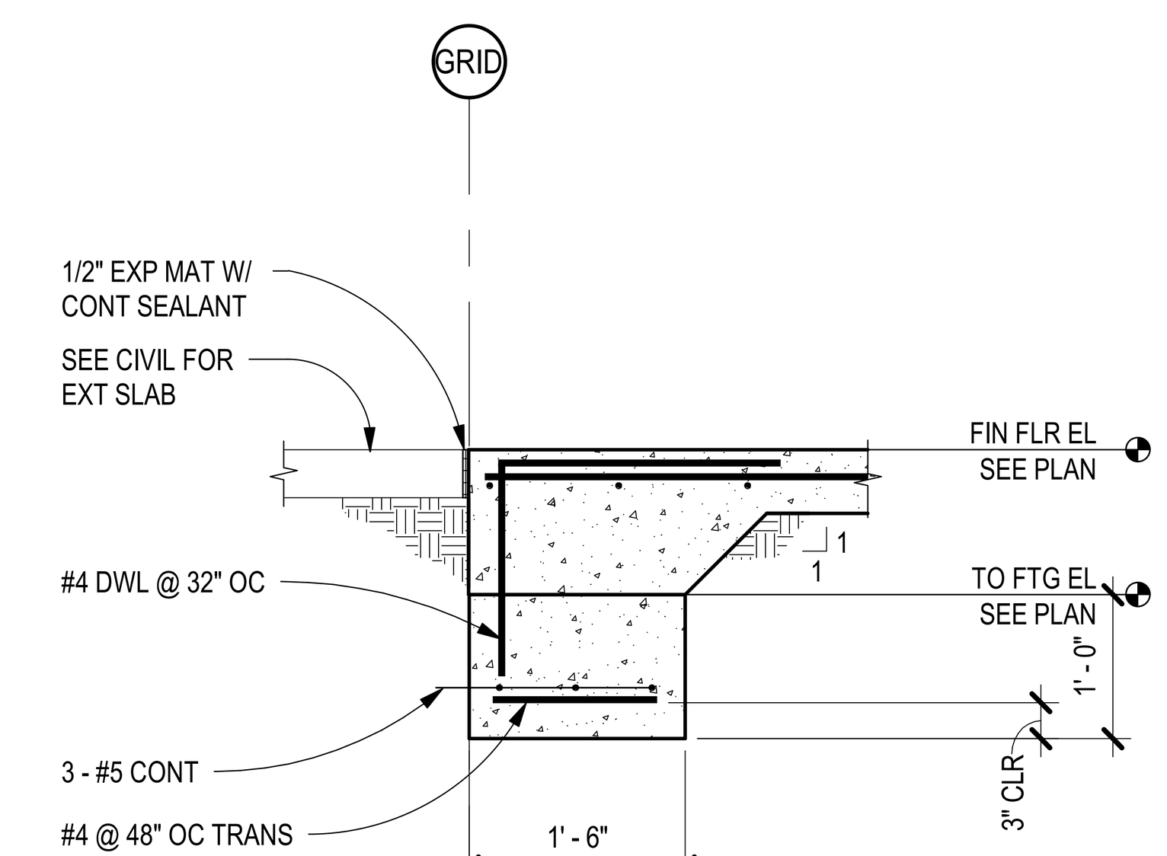
1



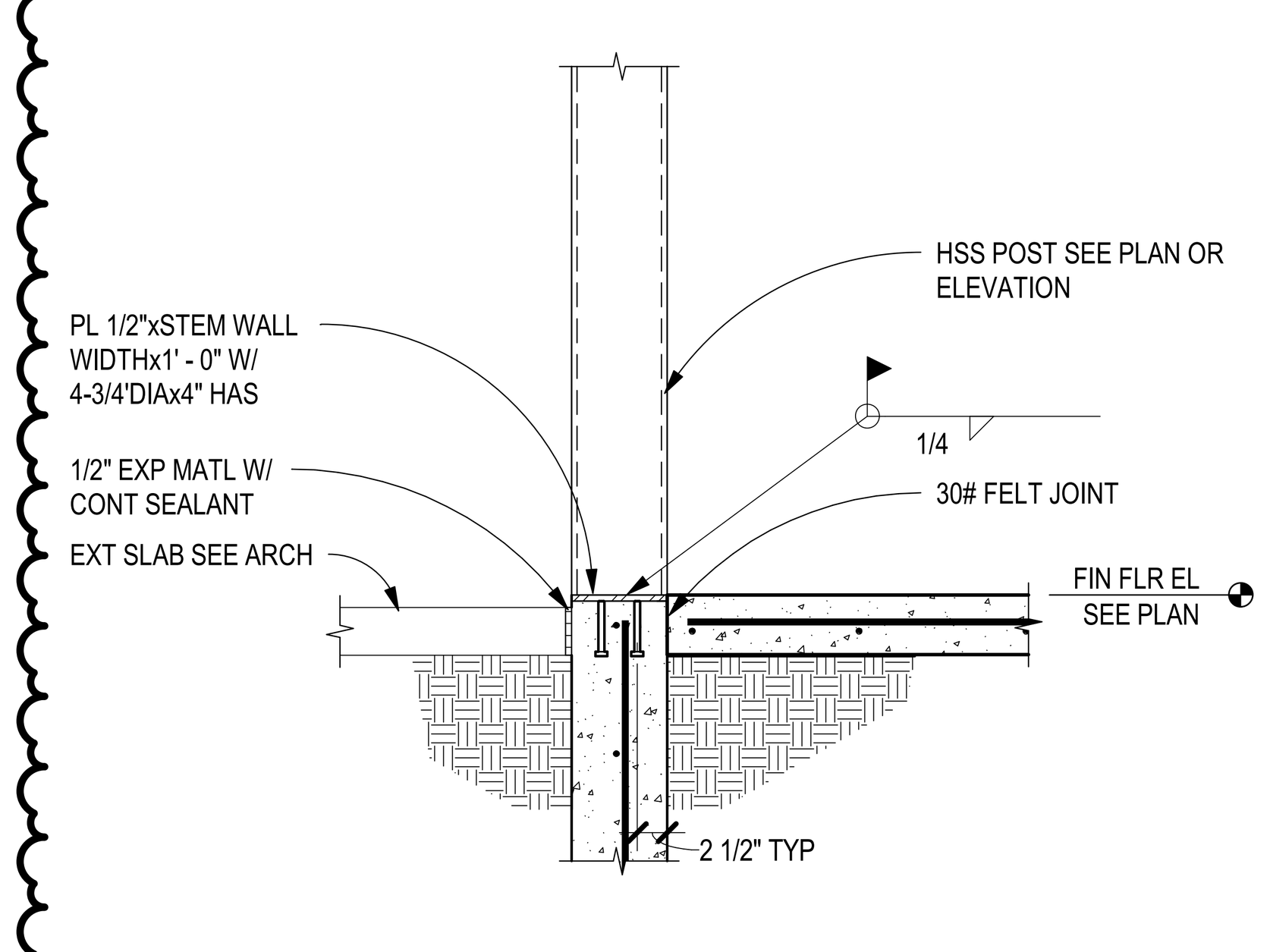
B3 PILASTER AT ELEVATOR SHAFT
SCALE: 3/4" = 1'-0"



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

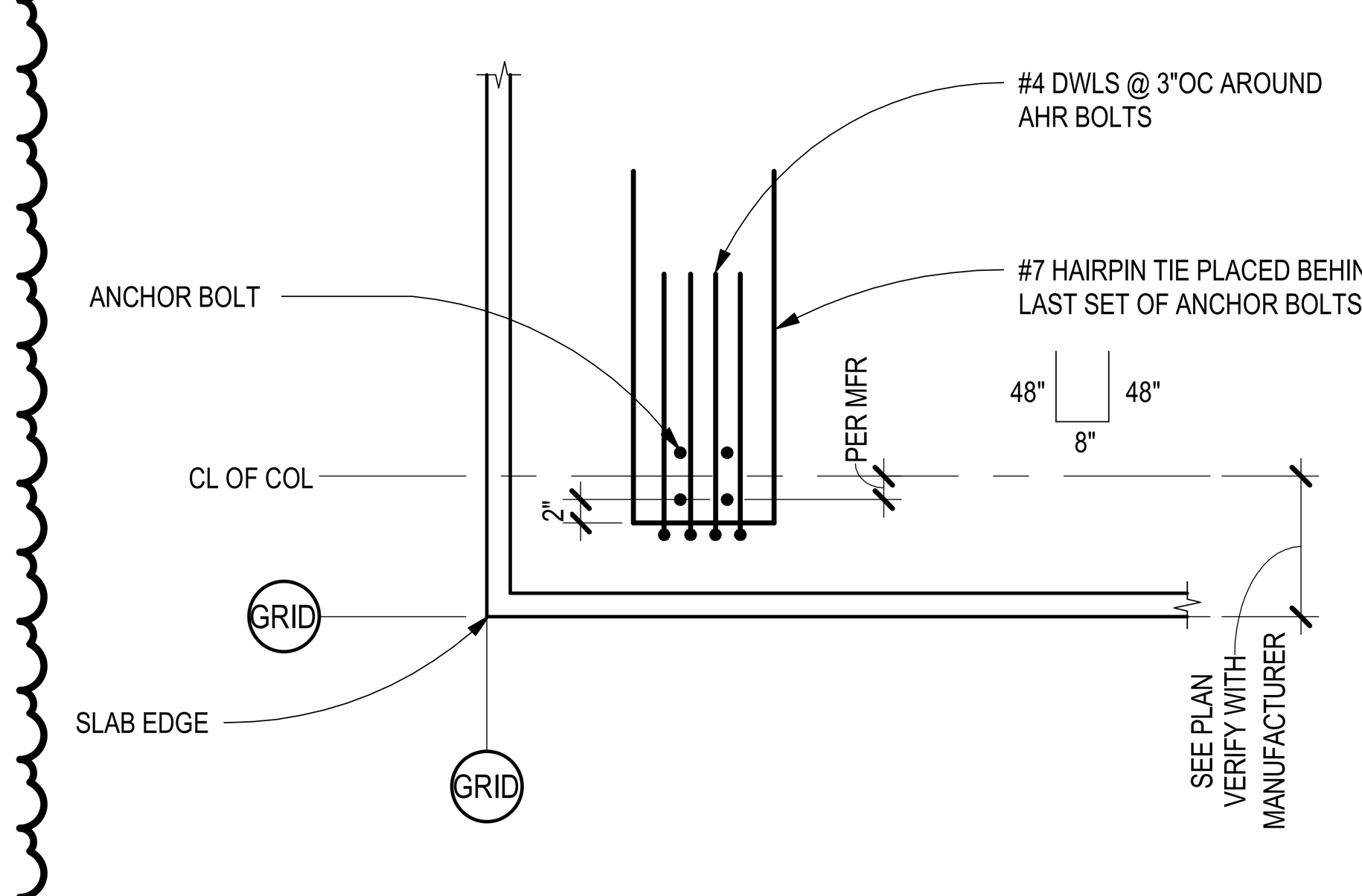


B5 FOUNDATION SECT @ OPENING
SCALE: 3/4" = 1'-0"

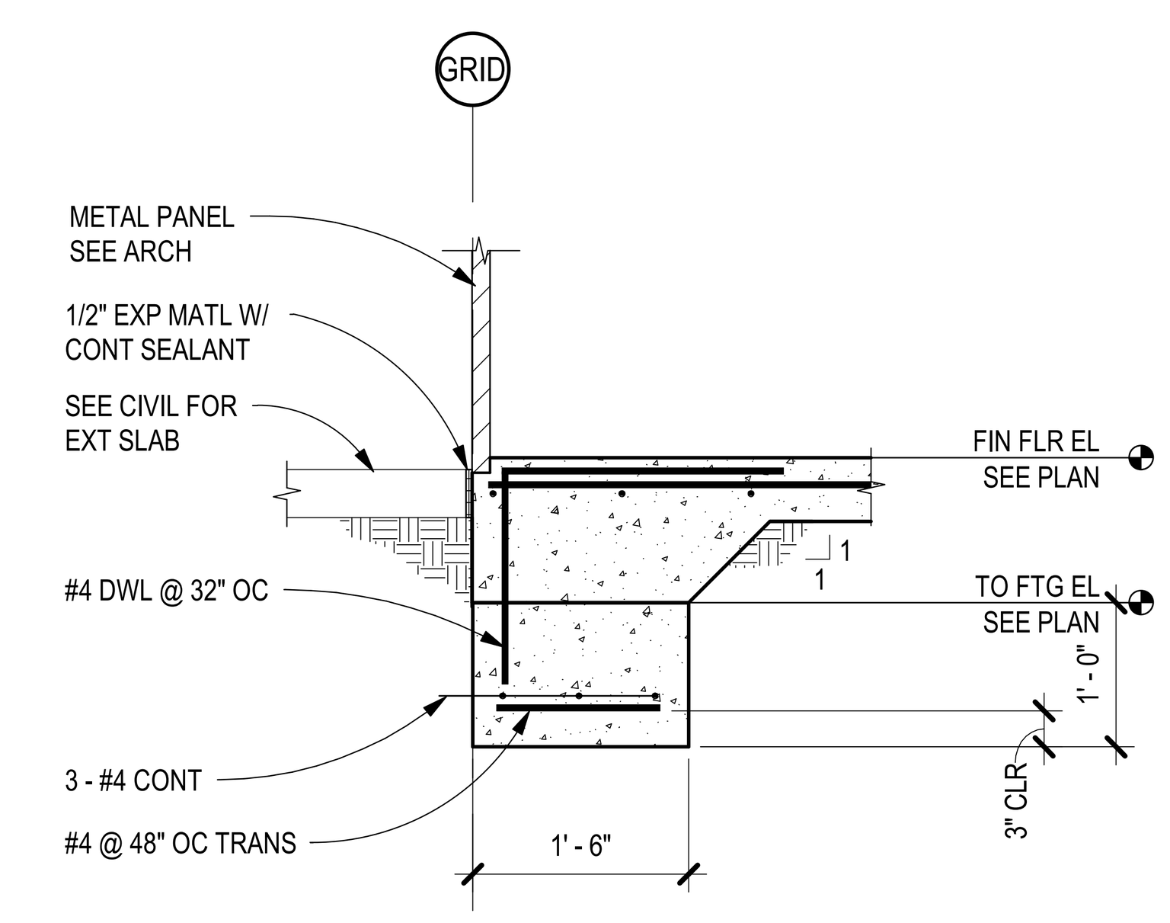


A3 POST TO STEM WALL CONNECTION
SCALE: 3/4" = 1'-0"

2



A4 HAIRPIN REINF AT CORNER COLUMN
SCALE: 3/4" = 1'-0"



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

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11.01.19

CONSULTANT LOGO:

Chavez-Grieves consulting engineers, inc.
4700 Lincoln Road NE, Suite 102 Albuquerque, NM 87109
505-344-4080 505-343-8759 (fax)

CLIENT:

SEAL OF THE CHEROKEE NATION SEPT 6, 1839

WILMA P. MANKILLER HEALTH CENTER EXPANSION
STILWELL, OKLAHOMA

KEY PLAN:

PROJECT PHASE:
BID PACKAGE 01

REVISIONS

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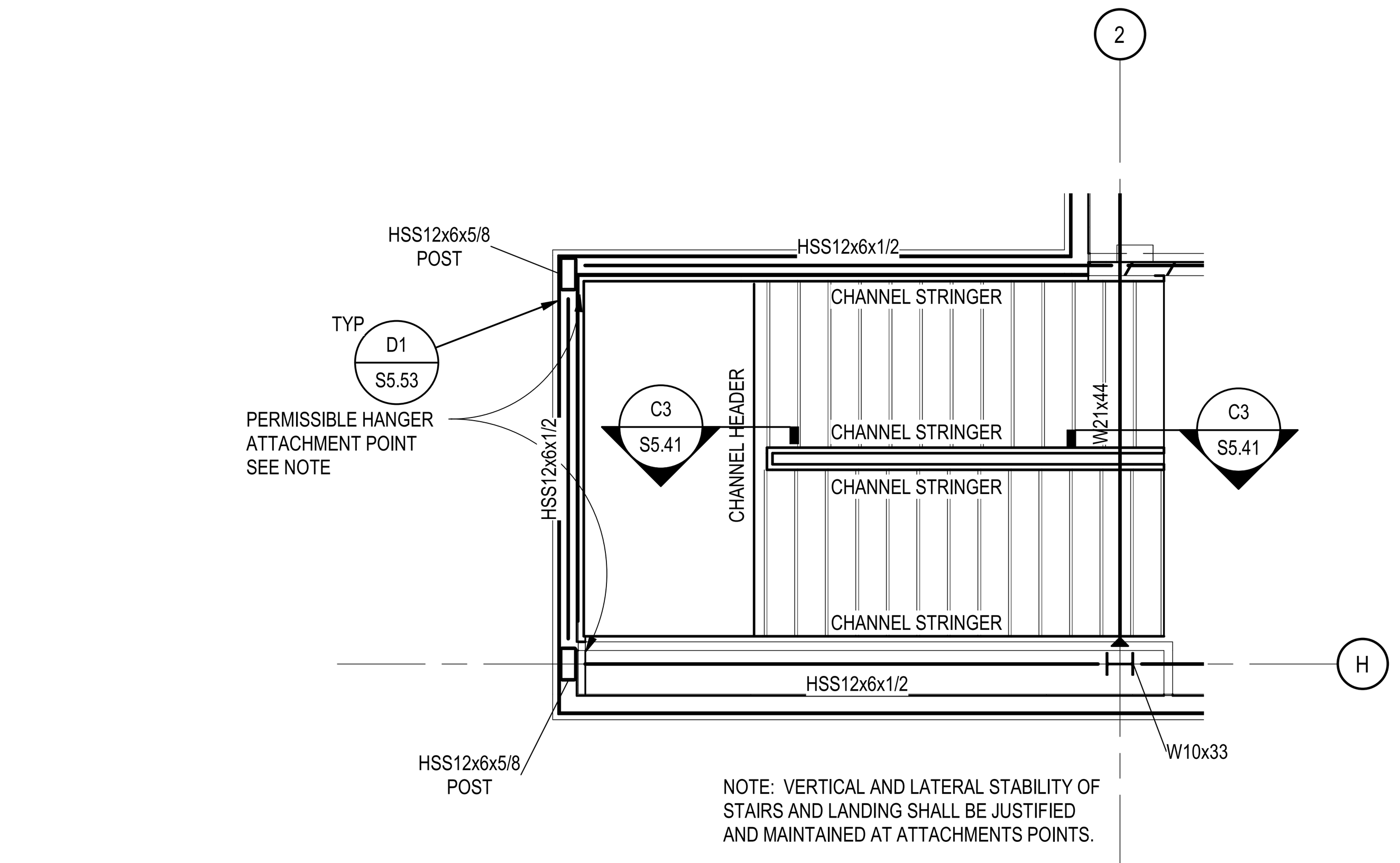
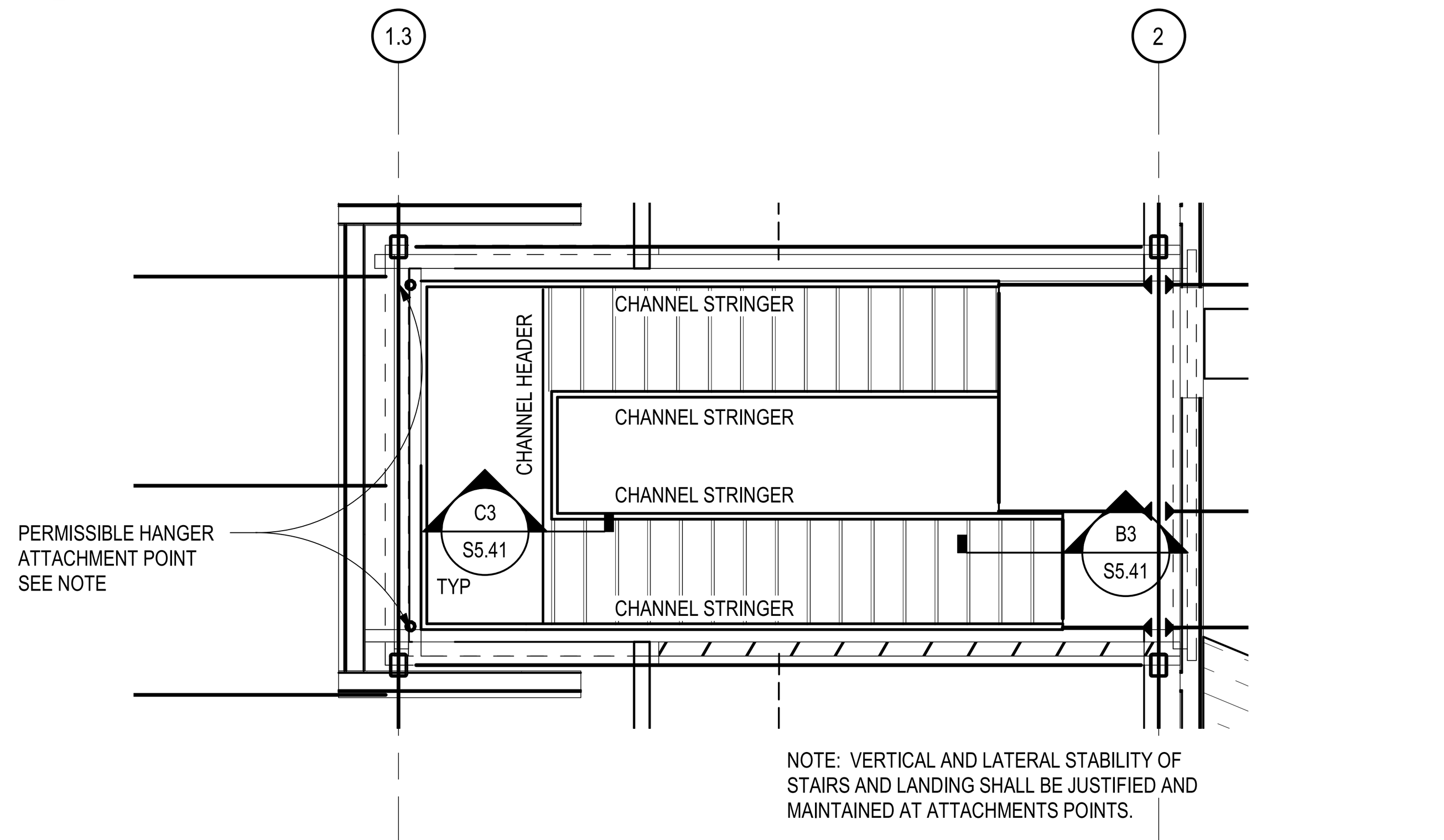
SHEET NUMBER:
S3.12

FOUNDATION SECTIONS



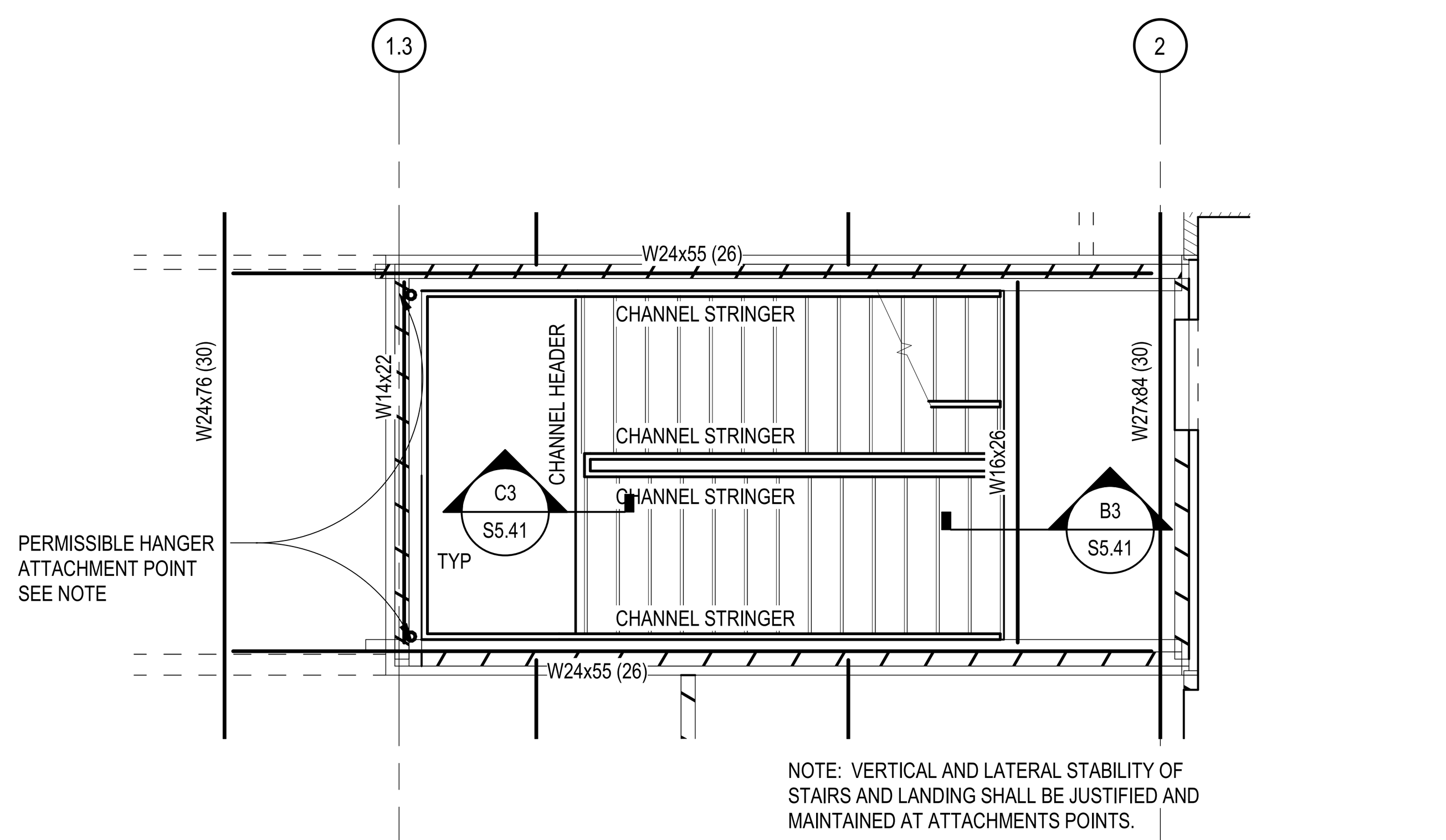
D1 ENLARGED SOUTHWEST STAIR FRAMING PLAN

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



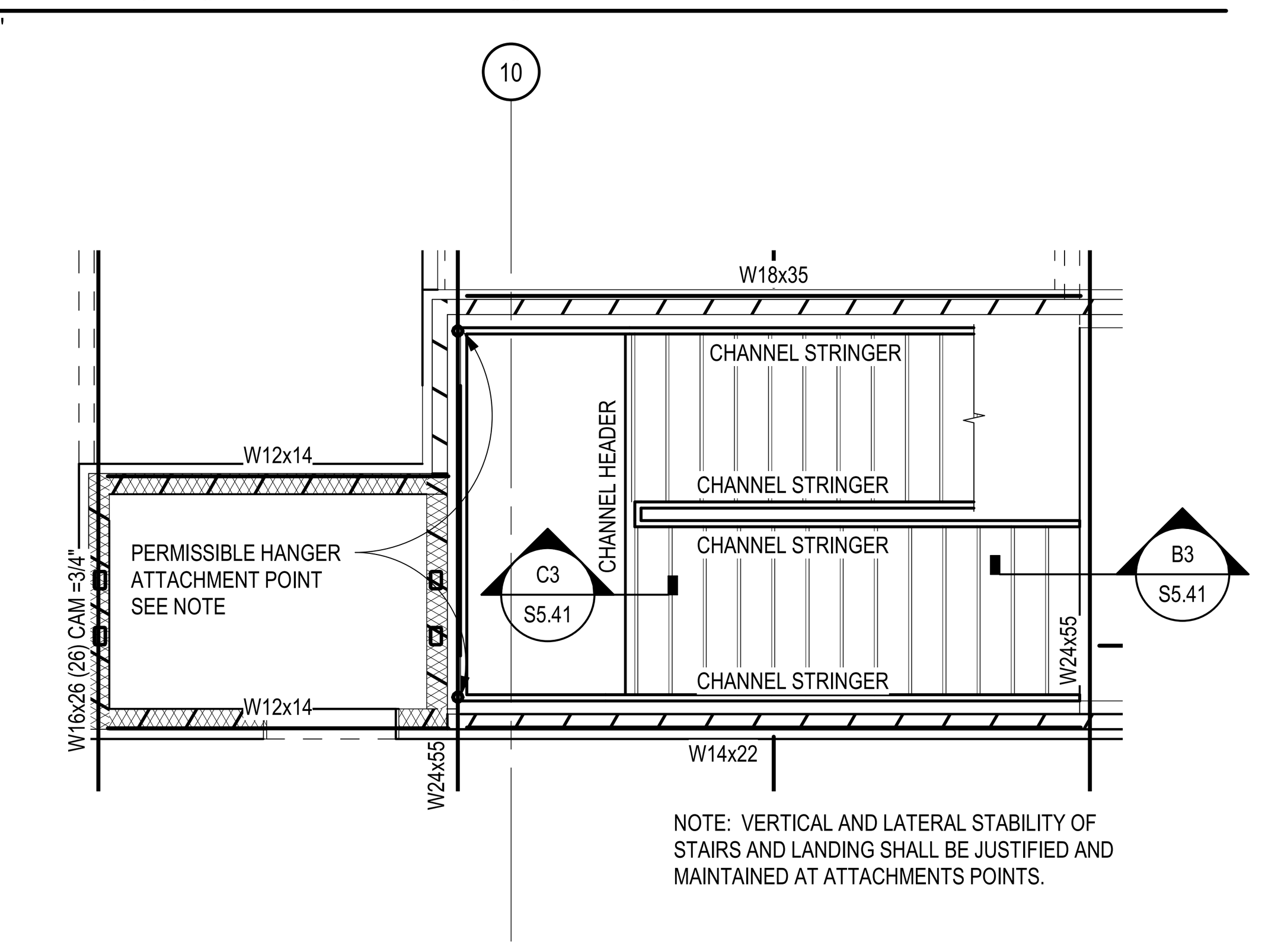
C1 ENLARGED WEST STAIR FRAMING PLAN TO MEZZANINE

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



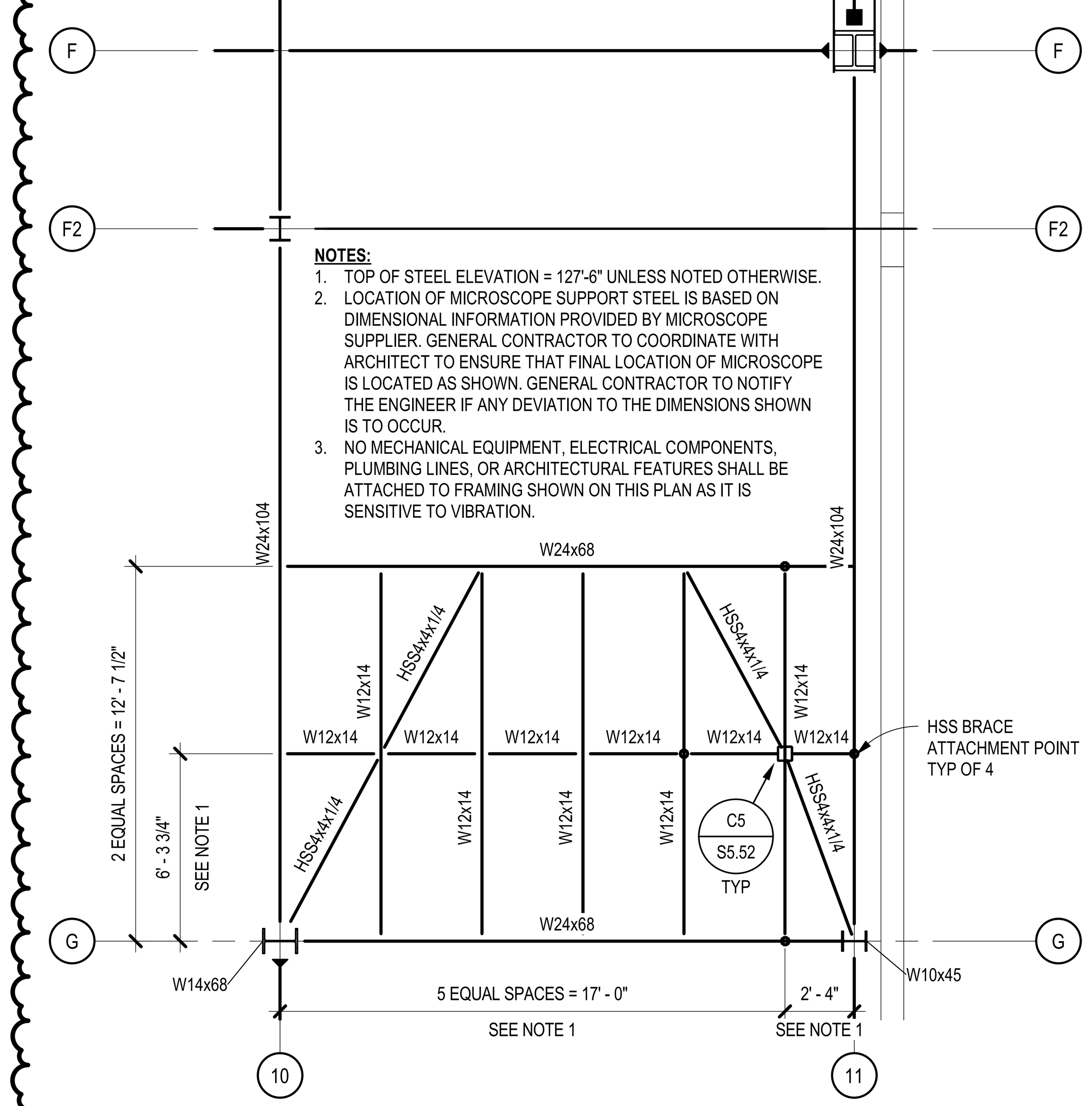
B1 ENLARGED WEST STAIR FRAMING PLAN

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



A1 ENLARGED EAST STAIR FRAMING PLAN

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

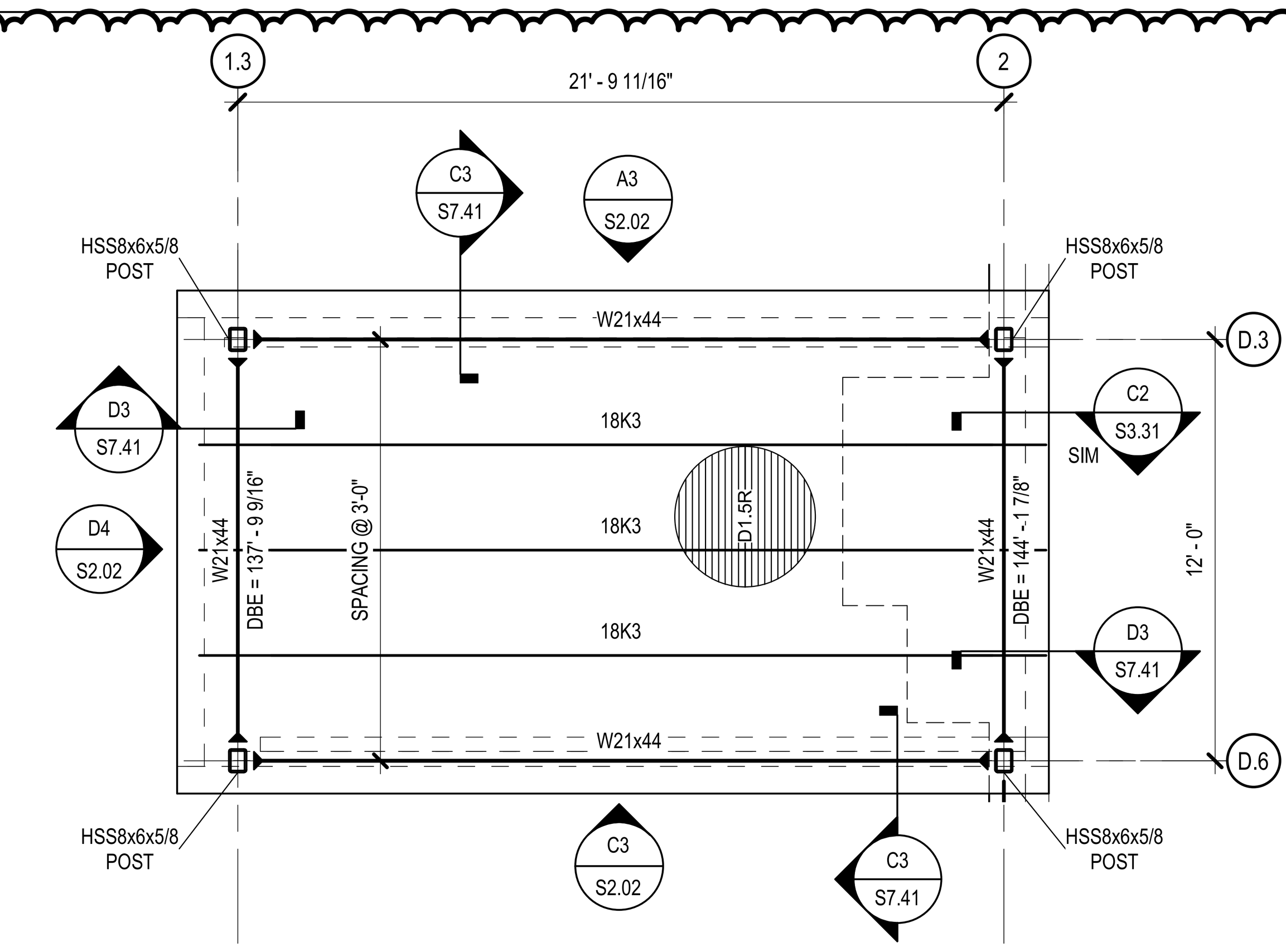


NOTES:

1. TOP OF STEEL ELEVATION = 127'-6" UNLESS NOTED OTHERWISE.
2. LOCATION OF MICROSCOPE SUPPORT STEEL IS BASED ON DIMENSIONAL INFORMATION PROVIDED BY MICROSCOPE SUPPLIER. GENERAL CONTRACTOR TO COORDINATE WITH ARCHITECT TO ENSURE THAT FINAL LOCATION OF MICROSCOPE IS LOCATED AS SHOWN. GENERAL CONTRACTOR TO NOTIFY THE ENGINEER IF ANY DEVIATION TO THE DIMENSIONS SHOWN IS TO OCCUR.
3. NO MECHANICAL EQUIPMENT, ELECTRICAL COMPONENTS, PLUMBING LINES, OR ARCHITECTURAL FEATURES SHALL BE ATTACHED TO FRAMING SHOWN ON THIS PLAN AS IT IS SENSITIVE TO VIBRATION.

D2 MICROSCOPE SUPPORT FRAMING PLAN

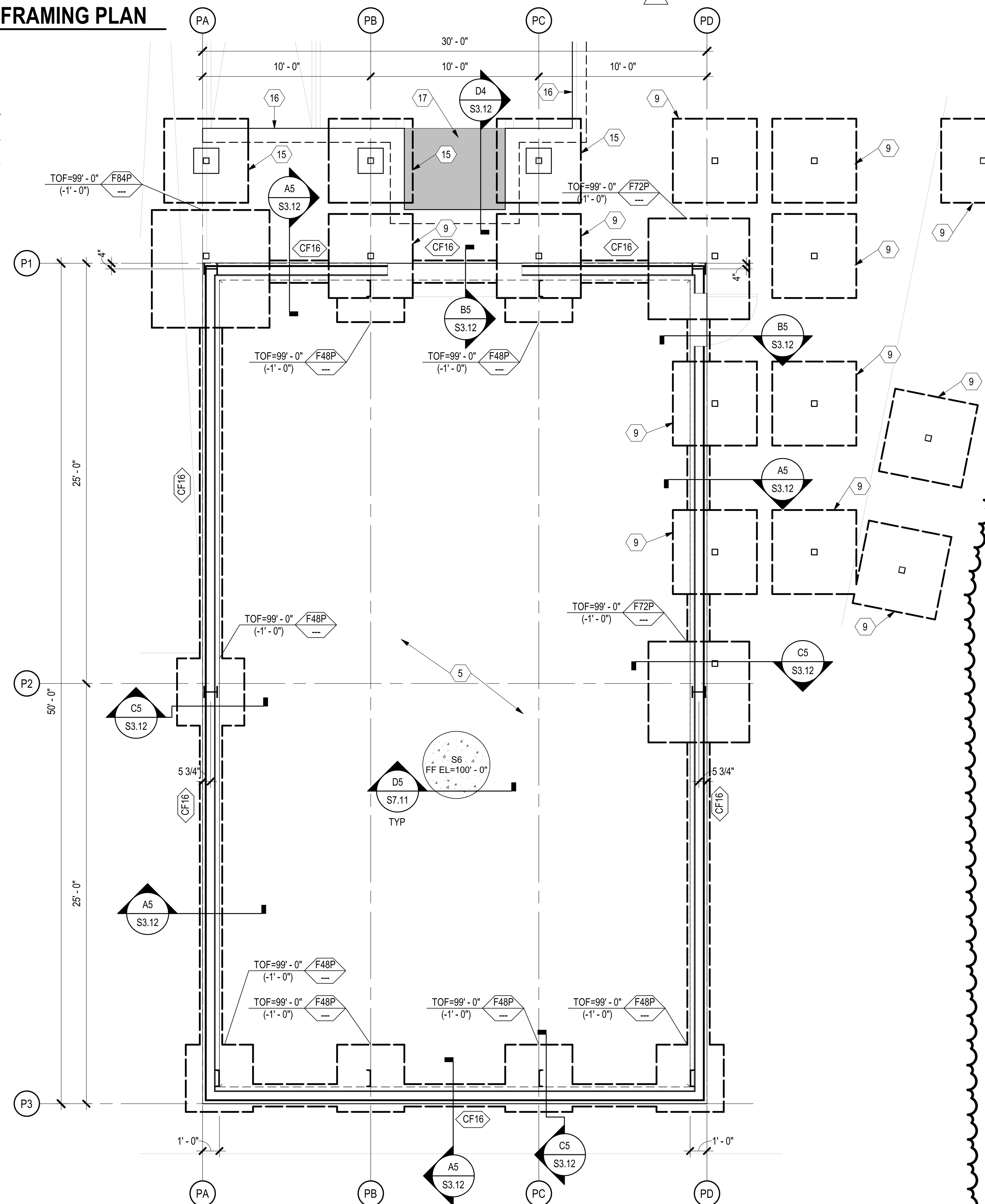
SCALE: 1/4" = 1'-0"



D4 ENLARGED PLAN - WEST ROOF POP-UP

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

NOTE:
1. STONE COLUMN GROUND IMPROVEMENTS ARE NOT REQUIRED FOR PRE-ENGINEERED METAL BUILDING OR PRE-ENGINEERED CANOPY FOUNDATIONS.
2. FOUNDATION AND SLAB DESIGN FOR PRE-ENGINEERED METAL BUILDING AND PRE-ENGINEERED CANOPY ARE PRELIMINARY. SIZES SHALL BE VERIFIED UPON RECEIVING FINAL DESIGNS FROM THE MANUFACTURERS.



A3 ENLARGED PLAN - PEMB FOUNDATION

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

GENERAL SHEET NOTES

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. REFERENCE FINISH FLOOR ELEVATION 100'-0" = MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
3. TOP OF FOOTING ELEVATION = 98' - 0" (-2' - 0"), UNLESS NOTED OTHERWISE ON PLAN.
4. NOTE TO CONTRACTOR: ENLARGED SLAB BLOCKOUTS MAY BE REQUIRED AT FRAME COLUMNS FOR MOMENT FRAME BASE PLATE CLEARANCE.
5. 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.
6. DIMENSIONS ARE TO THE FACE OF STUD UNLESS NOTED OTHERWISE.
7. SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
8. 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.
9. 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.
10. STRUCTURAL COLD FORMED METAL STUDS SHALL BE 6" WIDE UNLESS NOTED OTHERWISE. STUD THICKNESS AND SPACING BY OTHERS.
11. SEE SHEET S7.00 SERIES SHEETS FOR TYPICAL FOUNDATION SECTIONS AND DETAILS.
12. SEE SHEET S6.01 FOR SCHEDULES.

SHEET KEYNOTE

1. FLOOR DRAIN, SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. POST AND FOUNDATION AS REQUIRED FOR STAIR SUPPORT. STAIR ENGINEER TO PROVIDE REQUIRED LOADS AND LOCATIONS.
3. ELEVATOR SUMP PIT. COORDINATE EXACT SIZE AND LOCATION WITH ELEVATOR MANUFACTURER. SEE A4 / S5.41
4. HSS6x4x1/2 ELEVATOR RAIL SUPPORT POST. COORDINATE LOCATION AND SPACING WITH ELEVATOR MANUFACTURER. SEE B4 / S5.41
5. PRE-ENGINEERED METAL BUILDING STEEL AND ANCHORAGE BY OTHERS. CONTRACTOR TO CONFIRM LOCATIONS OF FOUNDATIONS WITH FINAL PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS.
6. NOTCH MASONRY AS REQUIRED TO FACILITATE BASEPLATE INSTALLATION. STEP BOND BEAM AT THIS LOCATION. FILL VOID FROM NOTCH WITH NON-SHRINK GROUT.
7. CUT AND REMOVE EXISTING SLAB AS REQUIRED TO PLACE NEW FOOTING. NEW SLAB TO POUR UP TO REMAINING SLAB.
8. CENTER FOOTING ON GRID C.
9. 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.
10. EXISTING CANOPY. SEE ARCHITECTURAL DEMOLITION PLANS FOR EXTENT OF DEMOLITION.
11. HSS8x6x1/2 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
12. 1 1/2" RECESSED SLAB AT ADA SHOWER. COORDINATE EXACT SIZE, LOCATION, AND SLOPE REQUIREMENTS WITH ARCHITECTURAL DRAWINGS. SEE C4 / S7.11
13. 18" DIAMETER PRECAST CONCRETE COLUMN BY OTHERS. SEE C3 / S3.11 AND B1 / S3.31
14. 18" DIAMETER PRECAST CONCRETE CANOPY COLUMN BY OTHERS. SEE C3 / S3.11, C4 / S3.12, A1 / S3.31, AND A5 / S3.31
15. 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.
16. SITE RETAINING WALL. SEE D2 / S3.11
17. DOCK LEVELER, SEE ARCHITECTURAL FOR EXACT LOCATION AND DIMENSIONS.

James R. Childers
Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2480
www.childersarchitect.com

PROFESSIONAL SEAL:

LICENSED PROFESSIONAL ENGINEER
CHRIS S. ROMERO
23578
OKLAHOMA
11.01.19

CONSULTANT LOGO:

CG
Chavez-Grieves
consulting engineers, inc.
4700 Lincoln Road NE, Suite 102 · Albuquerque, NM 87109
505-344-4080 · 505-343-8759 (fax)

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SEAL OF THE CHEROKEE NATION
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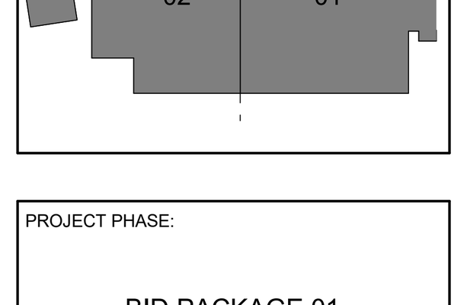

PROJECT PHASE:

BID PACKAGE 01

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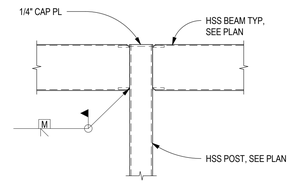
DATE:	JOB NUMBER:
11-01-19	18-01.01

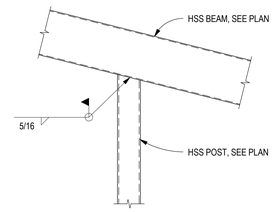
SHEET NUMBER:

S4.01

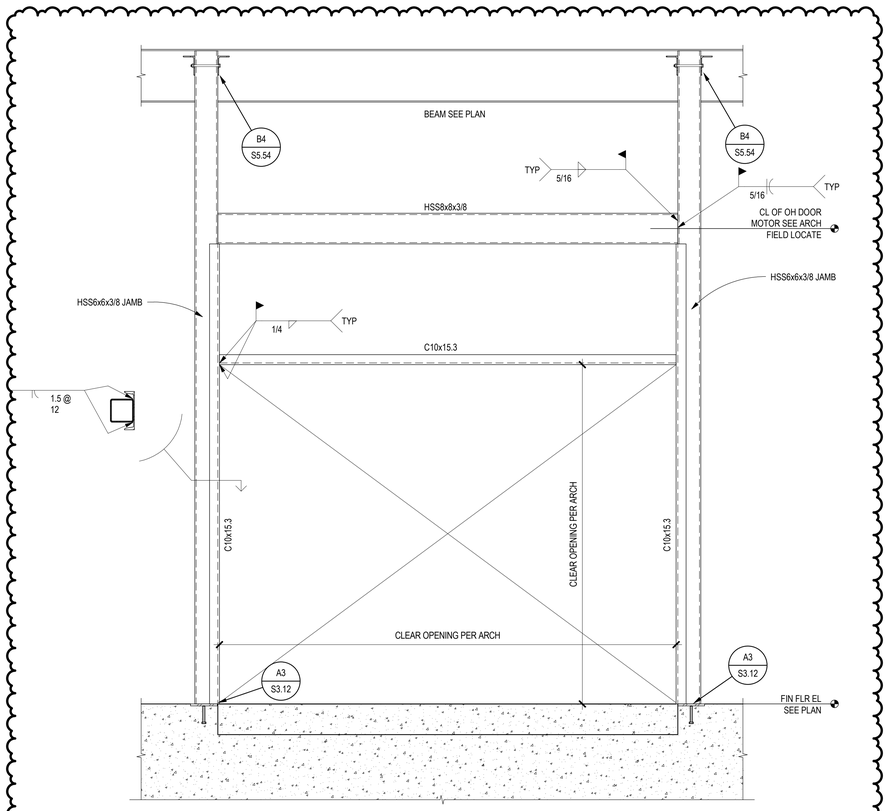
ENLARGED PLANS



D5 BEAM TO POST MOMENT CONN
SCALE: 3/4" = 1'-0"

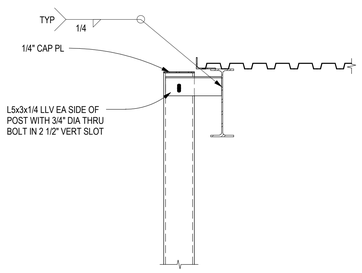


C5 BEAM OVER POST CONNECTION
SCALE: 3/4" = 1'-0"



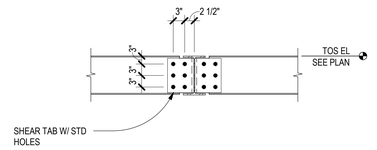
A2 OVERHEAD DOOR SUPPORT ELEVATION
SCALE: 3/4" = 1'-0"

2

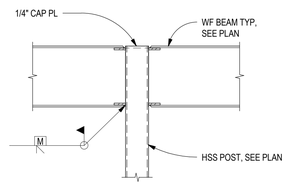


B4 HSS POST TO ROOF BEAM CONN
SCALE: 3/4" = 1'-0"

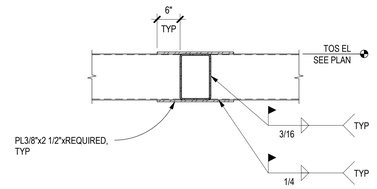
2



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



A4 BEAM TO POST MOMENT CONN
SCALE: 3/4" = 1'-0"



A5 HSS TO HSS MOMENT CONNECTION
SCALE: 3/4" = 1'-0"

1 ENTIRE SHEET MODIFIED

James R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2480
www.childersarchitect.com

PROFESSIONAL SEAL:

CONSULTANT LOGO:

Chavez-Grieves
consulting engineers, inc.
4700 Lincoln Road NE, Suite 102 Albuquerque, NM 87109
505-344-4080 · 505-343-8759 (fax)

CLIENT:

WILMA P. MANKILLER HEALTH CENTER EXPANSION
STILWELL, OKLAHOMA

KEY PLAN:

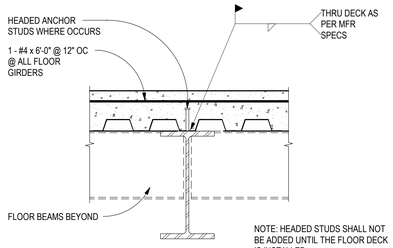
PROJECT PHASE:
BID PACKAGE 01

#	DATE	REVISIONS DESCRIPTION
1	11/22/19	BID PACKAGE 01 - ADD 01
2	12/10/19	BID PACKAGE 01 - ADD 02

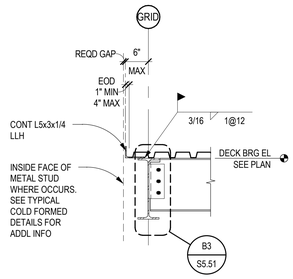
DATE:	JOB NUMBER:
11-01-19	18-01.01

SHEET NUMBER:
S5.54

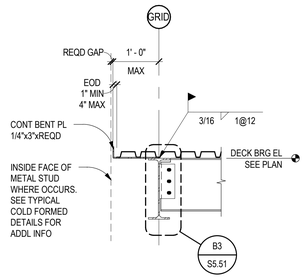
STEEL DETAILS



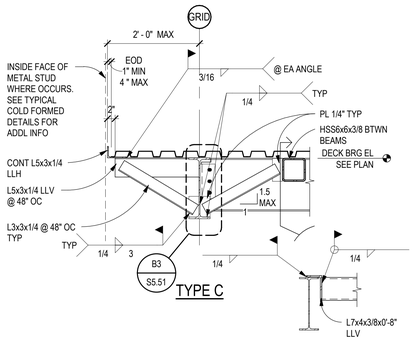
D1 TYPICAL FLOOR GIRDER
SCALE: 3/4" = 1'-0"



TYPE A

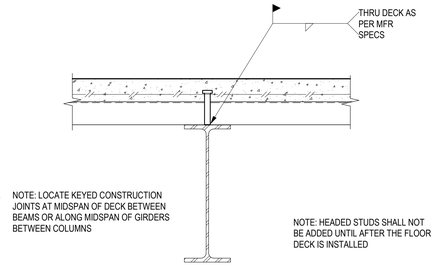


TYPE B

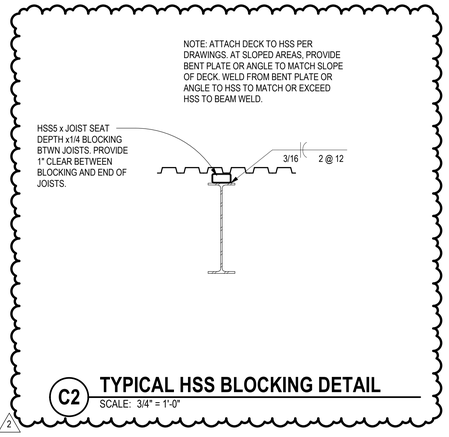


TYPE C

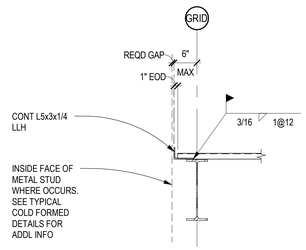
D3 TYPICAL DECK EDGE AT BEARING CONDITION
SCALE: 3/4" = 1'-0"



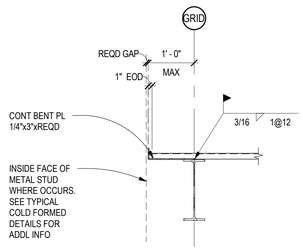
C1 TYPICAL COMPOSITE BEAM
SCALE: 1 1/2" = 1'-0"



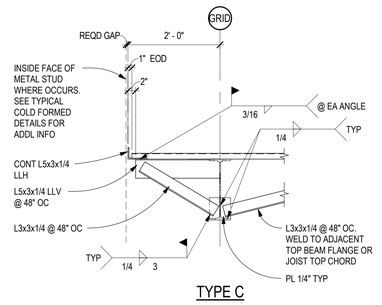
C2 TYPICAL HSS BLOCKING DETAIL
SCALE: 3/4" = 1'-0"



TYPE A

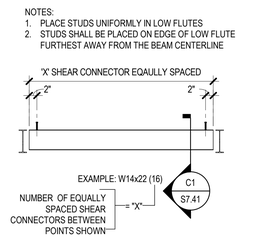


TYPE B

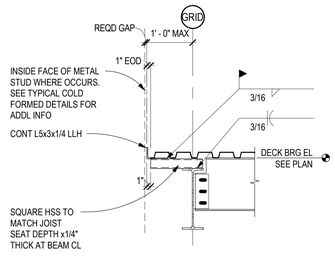


TYPE C

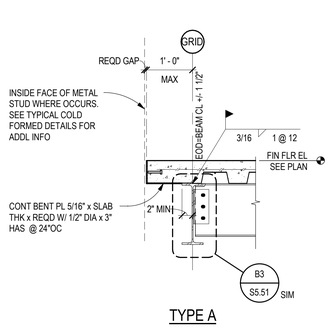
C3 TYPICAL DECK EDGE AT NON-BEARING CONDITION
SCALE: 3/4" = 1'-0"



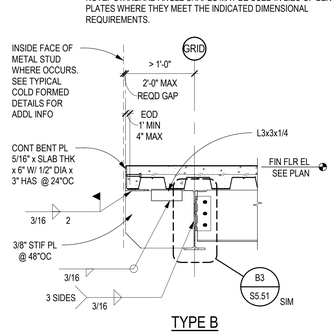
B1 TYPICAL COMPOSITE BEAM ELEV
SCALE: 1/4" = 1'-0"



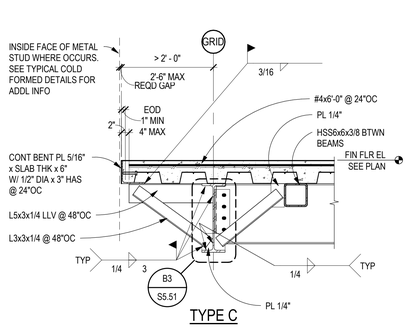
B2 TYPICAL DECK EDGE AT BEAM
SCALE: 3/4" = 1'-0"



TYPE A

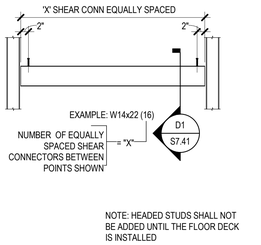


TYPE B

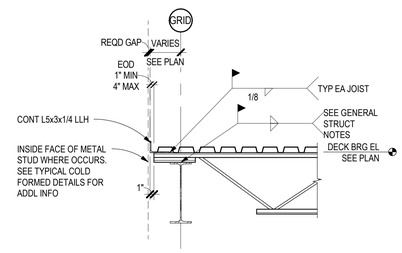


TYPE C

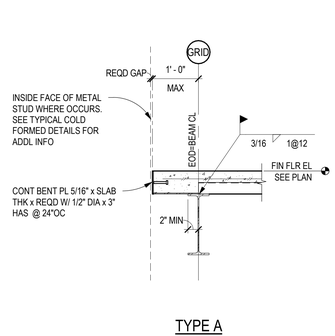
B3 TYPICAL SLAB EDGE AT BEARING CONDITION
SCALE: 3/4" = 1'-0"



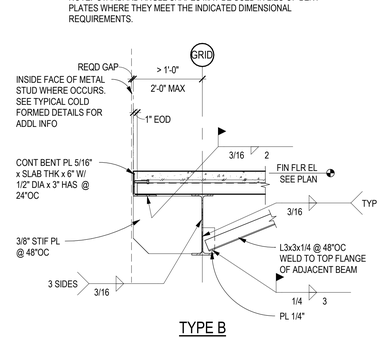
A1 TYPICAL COMPOSITE GIRDER ELEV
SCALE: 1/4" = 1'-0"



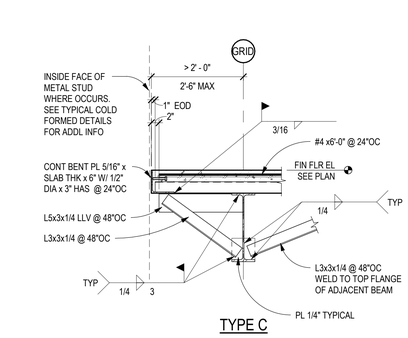
A2 TYPICAL ROOF BRG DECK EDGE
SCALE: 3/4" = 1'-0"



TYPE A



TYPE B



TYPE C

A3 TYPICAL SLAB EDGE AT NON-BEARING CONDITION
SCALE: 3/4" = 1'-0"

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Fort Smith, AR 72901
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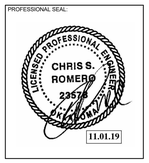

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CLIENT:

THE CHEROKEE NATION
SEPT. 6, 1839

WILMA P. MANKILLER HEALTH CENTER EXPANSION
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KEY PLAN:

PROJECT PHASE:
BID PACKAGE 01

REVISIONS		
#	DATE	DESCRIPTION
2	12/10/19	BID PACKAGE 01 - ADD 02

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

SHEET NUMBER:
S7.41

TYPICAL STEEL DETAILS