



BID PACKAGE 1
(PREVIOUSLY ISSUED)
INDEX - SHEET INDEX - CIVIL

SHEET NUMBER	SHEET NAME
C002	GENERAL NOTES
C003	BOUNDARY & TOPOGRAPHIC SURVEY
C004	SITE PLAN
C005	DEMOLITION PLANS
C006	UTILITY PLAN
C007	GRADING PLAN
C008	EROSION CONTROL PLAN
C009	LANDSCAPE PLAN
C010	STANDARD DETAILS
C011	STANDARD DETAILS
C012	EROSION CONTROL DETAILS

BID PACKAGE 2
INDEX - SHEET INDEX - STRUCTURAL

SHEET NUMBER	SHEET NAME
S0.0	NOTES AND LEGENDS
S1.1	FOUNDATION PLAN
S1.2	MECH ENCLOSURE FOUNDATION PLAN AND RETAINING WALL DETAILS
S2.1	FOUNDATION DETAILS
S2.2	FOUNDATION DETAILS

INDEX - SHEET INDEX - PLUMBING

SHEET NUMBER	SHEET NAME
P0.01	UNDERGROUND PLUMBING PACKAGE

INDEX - SHEET INDEX - ELECTRICAL

SHEET NUMBER	SHEET NAME
E0.01	UNDERGROUND ELECTRICAL PACKAGE

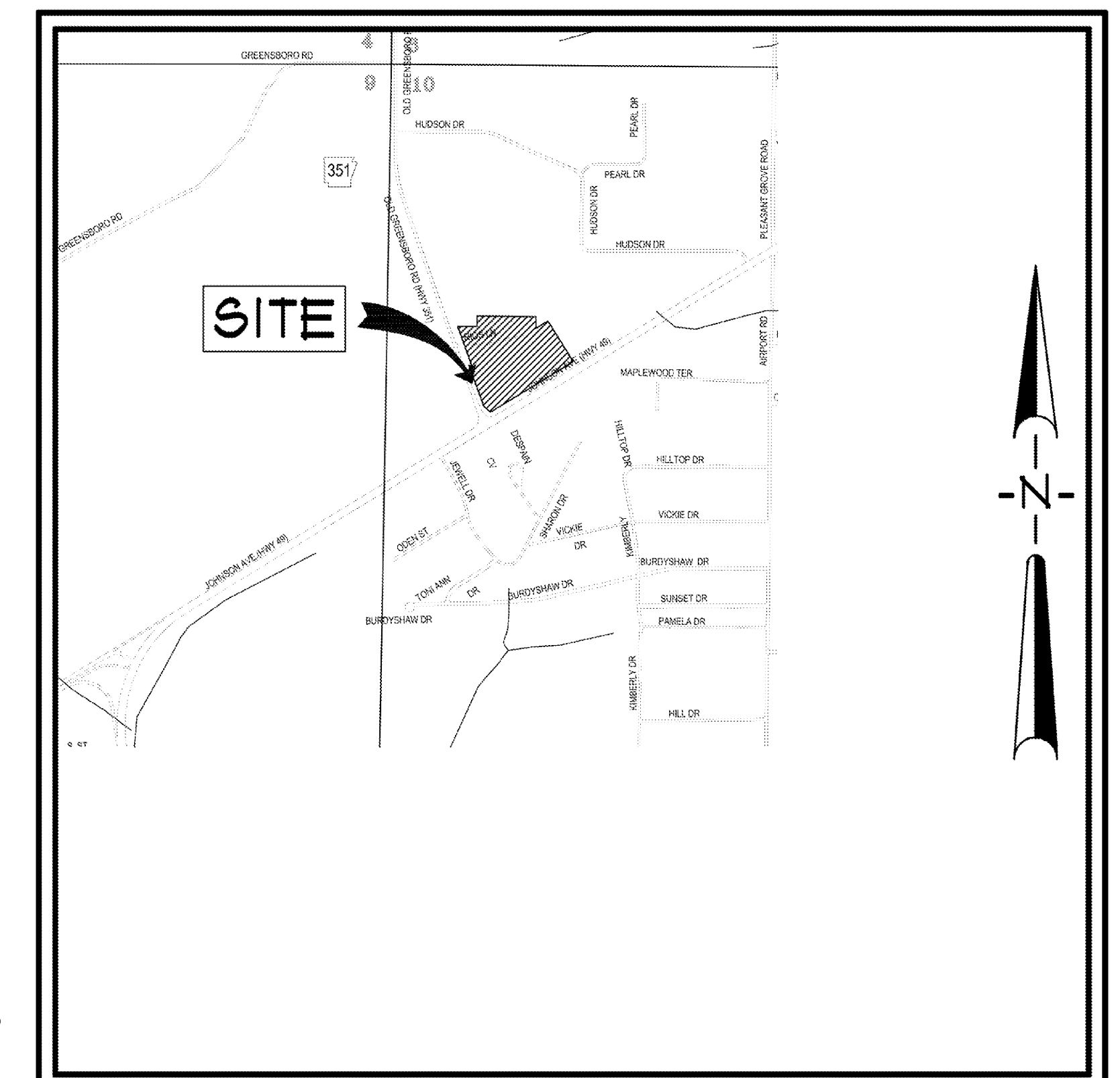
FIRST NATIONAL BANK HILLTOP BRANCH & OFFICE BUILDING

3500 East Johnson Avenue, Jonesboro, Ar

W D & D J O B #16-028

UNDER SLAB & FOUNDATION PACKAGE

09/19/16



VICINITY MAP

WITTENBERG, DELONY, & DAVIDSON, INC.
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BATSON INC. | ENGINEERING SOLUTIONS
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ABBREVIATION LEGEND

Table with 2 columns: Abbreviation and Description. Includes terms like ANCHOR RODS, FINISHED FLOOR ARCHITECTURAL, BASE PLATE, BOTTOM OF FOOTING, etc.

STRUCTURAL NOTES

- 1. THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL CONTRACT DOCUMENTS AND INFORM THE ARCHITECT OF CONFLICTS OR DISCREPANCIES PRIOR TO BIDDING, FABRICATION, AND CONSTRUCTION.
2. IN CASES OF DISCREPANCIES IN DIMENSIONS AND ELEVATIONS BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION.

POST-TENSIONED CONCRETE (CONTINUED)

- 12. TENDON PLACEMENT SHALL NOT VARY MORE THAN 1/8" VERTICALLY FROM THE ORDINATES GIVEN.
13. THE EXPOSED PORTION OF THE TENDON AND THE GRIPPING PART OF THE ANCHORAGE SHALL BE COATED WITH AN EPOXY-RESIN COMPOUND BEFORE BEING DRY-PACKED WITH GROUT.
14. GROUT ALL FORM POCKETS SOLID WITH NON-SHRINK, NON-METALLIC GROUT AS SOON AS TENDON TAILS ARE CUT OFF AND FORM POCKETS ARE SEALED AGAINST MOISTURE.

STRUCTURAL STEEL (CONTINUED)

- 19. WHERE STEEL BACKING IS USED IN CONNECTIONS WITH COMPLETE-JOINT-PENETRATION (CJP) FLANGE WELDS, STEEL BACKING AND TABS SHALL BE REMOVED EXCEPT THAT TOP FLANGE BACKING ATTACHED TO THE COLUMN BY A CONTINUOUS FILLET WELD ON THE EDGE BELOW THE CJP GROOVE WELD NEED NOT BE REMOVED.
20. FOLLOWING THE REMOVAL OF BACKING, THE STEEL PASS SHALL BE BACKGROUTED TO SOUND WELD METAL AND BACKWELDED WITH A REINFORCING FILLET. THE REINFORCING FILLET SHALL HAVE A MINIMUM LEG SIZE OF 3/16" (8 mm).

DESIGN LOADS:

Table with 2 columns: Load Type and Value. Includes DEAD LOADS, ROOF LIVE LOAD, FLOOR LIVE LOADS, OFFICES, PARKING GARAGES, CORRIDORS, LOBBIES, etc.

CONCRETE REINFORCEMENT (03-20-00)

- 1. CONCRETE REINFORCEMENT SUPPLIER SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW PRIOR TO CONSTRUCTION.
2. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
3. PROVIDE THE FOLLOWING PROTECTIVE COVERING FOR ALL REINFORCING BARS UNLESS DETAILED OR NOTED OTHERWISE:

MASONRY NOTES (04-00-00)

- 1. ALL COMPLETE MASONRY UNITS (CMU) SHALL COMPLY WITH ASTM 900, AND HAVE A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 PSI. SIZES SHALL BE AS INDICATED ON THE CONTRACT DRAWINGS.
2. TYPE S MORTAR SHALL BE USED ABOVE AND BELOW GRADE. MIX MORTAR IN ACCORDANCE WITH ASTM C270. USE TYPE I PORTLAND CEMENT (TYPE II MAY BE USED FOR COLD WEATHER CONSTRUCTION) MEETING ASTM C1509, HYDRATED LIME MEETING ASTM C207 AND AGGREGATE MEETING ASTM C144.

CAST-IN-PLACE CONCRETE (03-30-00)

- 1. CONCRETE SUPPLIER SHALL SUBMIT CONCRETE MIX DESIGN DATA TO THE ARCHITECT FOR REVIEW PRIOR TO CONSTRUCTION.
2. CONCRETE SHALL HAVE AT LEAST THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS AT 28 DAYS:
A. FOOTINGS 3000 PSI
B. STAIR LANDINGS & STAIR TREADS 3000 PSI
C. REINFORCED CMU & BOND BEAM FILL (SEE MASONRY NOTES) 3000 PSI
D. SLABS-ON-GRADE, WALLS, PILASTERS & PEDESTALS 4000 PSI
E. ELEVATED SLABS & BEAMS 5000 PSI
F. COLUMNS 5000 PSI

POST-TENSIONED CONCRETE (03-38-00)

- 1. POST-TENSIONING SUPPLIER SHALL SUBMIT SHOP DRAWINGS SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ARKANSAS TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
2. SHOP DRAWINGS SHALL SHOW THE EXACT NUMBER, LENGTH AND SPACING OF TENDONS AND ALL SUPPORT BARS AND CHAIR HEIGHTS REQUIRED. EVERY TENDON SHALL BE GIVEN AN INDIVIDUAL NUMBER OR MARK, WHICH SHALL BE SHOWN BY THE SUPPLIER ON THE SHOP DRAWINGS. FABRICATION OF TENDONS SHALL NOT BEGIN UNTIL STRESS LOSS CALCULATIONS AND SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT. SHOP DRAWINGS SHALL BE DETAILED INDIVIDUALLY. DO NOT REUSE PORTIONS OF SHOP DRAWINGS OR TENDON NUMBERS FOR SIMILAR AREAS ON DIFFERENT FLOORS.

CAST-IN-PLACE CONCRETE MIX DESIGN TABLE

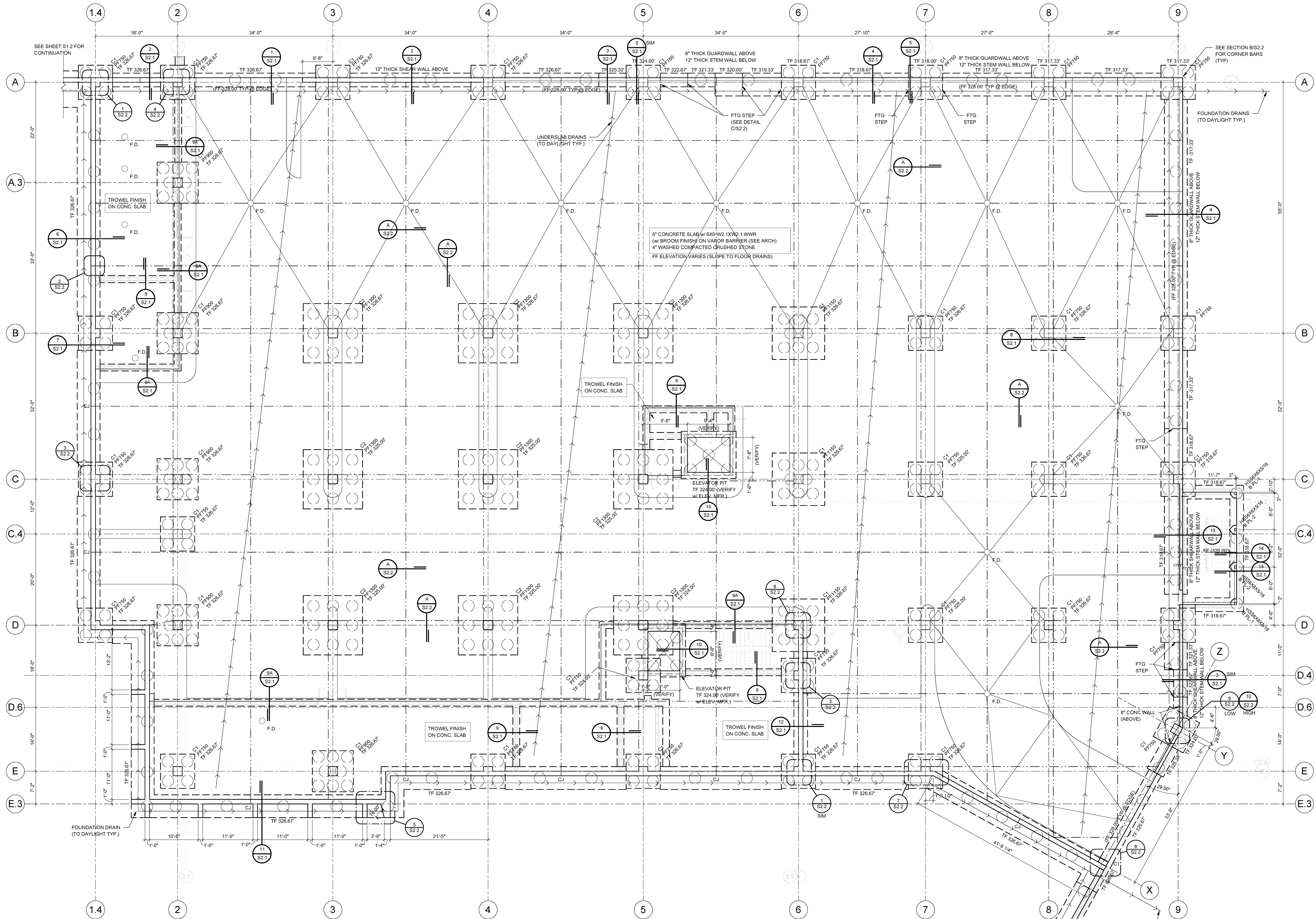
Table with 6 columns: 28 DAY COMP. STRENGTH, MIN. CEMENT CONTENT, MAXIMUM PERMISSIBLE W/C RATIO, MIN. CEMENT CONTENT, MAXIMUM PERMISSIBLE W/C RATIO, MAX. SLUMP. Includes rows for 3000, 4000, and 5000 psi strengths.

PROJECT TITLE: FIRST NATIONAL BANK HILLTOP BRANCH & OFFICE BUILDING

NOTES AND LEGENDS

Revision table with columns: REV. NO., DATE, DESCRIPTION. Includes revision 1 dated 09/19/16 for 'JOB NO.' and 'DATE'.





PARKING LEVEL - FOUNDATION PLAN
 1/8" = 1'-0"

PAD FOOTING SCHEDULE						
TYPE	WIDTH	LENGTH	THICKNESS	REINFORCING	LOADS (KIPS)	
PF750	7'-6"	7'-6"	2'-0"	(11) #8 EACH WAY BOTTOM	DL=130 LL=130	
PF900	9'-0"	9'-0"	2'-4"	(11) #9 EACH WAY BOTTOM	DL=200 LL=195	
PF1150	11'-6"	11'-6"	3'-0"	(14) #10 EACH WAY BOTTOM	DL=330 LL=310	
PF1300	13'-0"	13'-0"	3'-0"	(18) #10 EACH WAY BOTTOM	DL=465 LL=365	

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9/19/2016

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 8953

WITTENBERG, DELONY & DAVIDSON ARCHITECTS

PROJECT TITLE
FIRST NATIONAL BANK HILLTOP BRANCH & OFFICE BUILDING
 3500 East Johnson Avenue, Jonesboro, AR

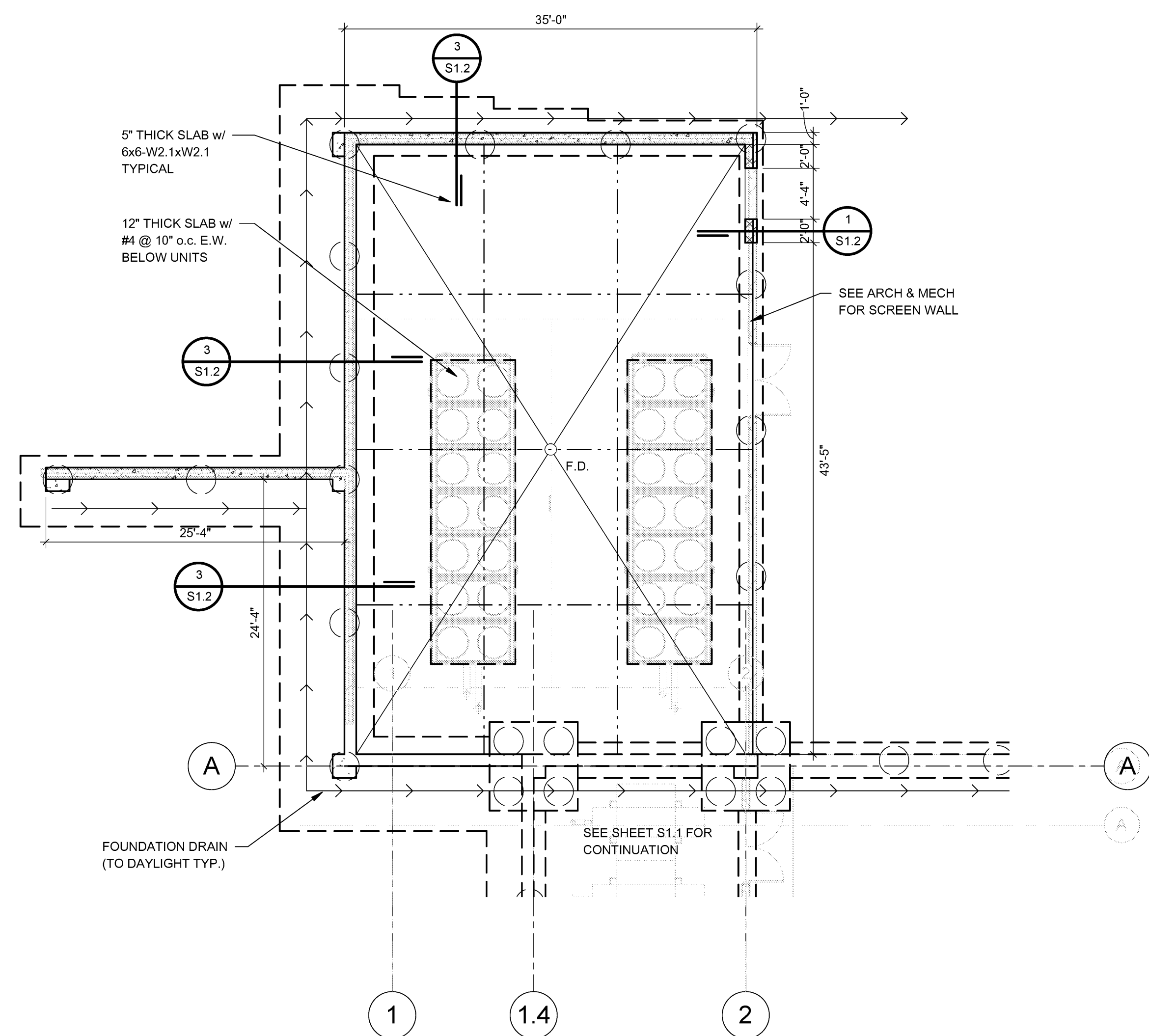
CONTENTS

REV. NO.	DATE	DESCRIPTION
09/19/16 <td> <td></td> </td>	<td></td>	

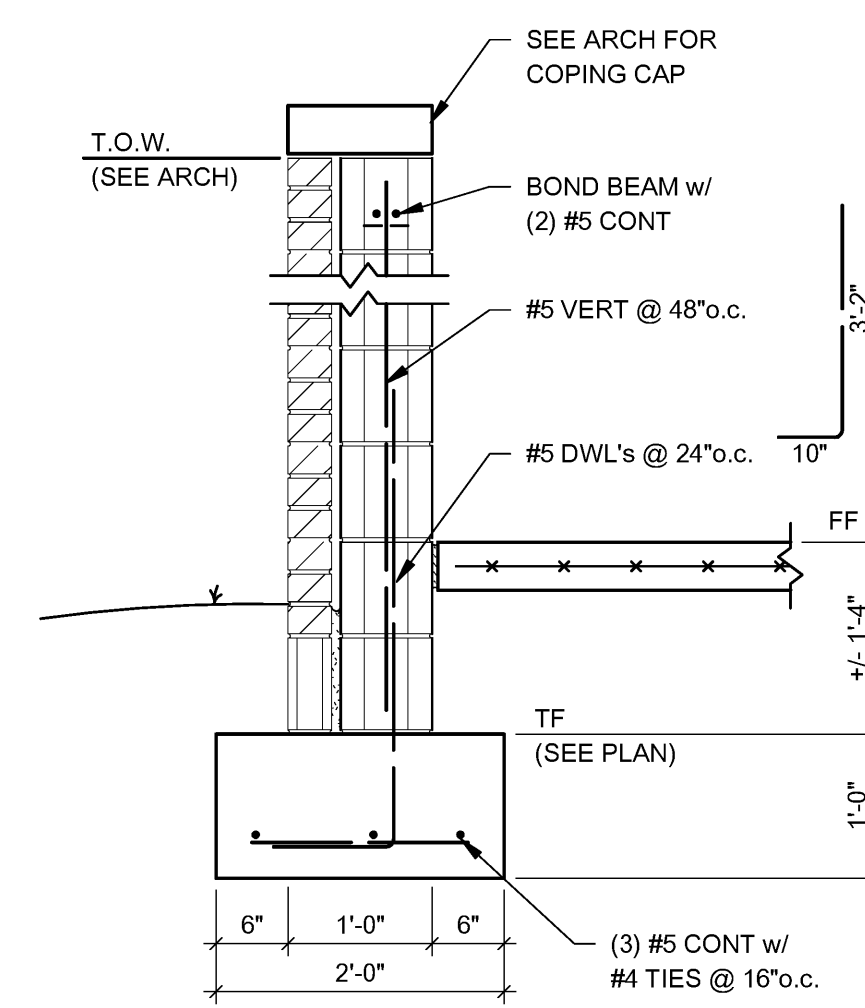
FOUNDATION PLAN

JOB NO
 16-028

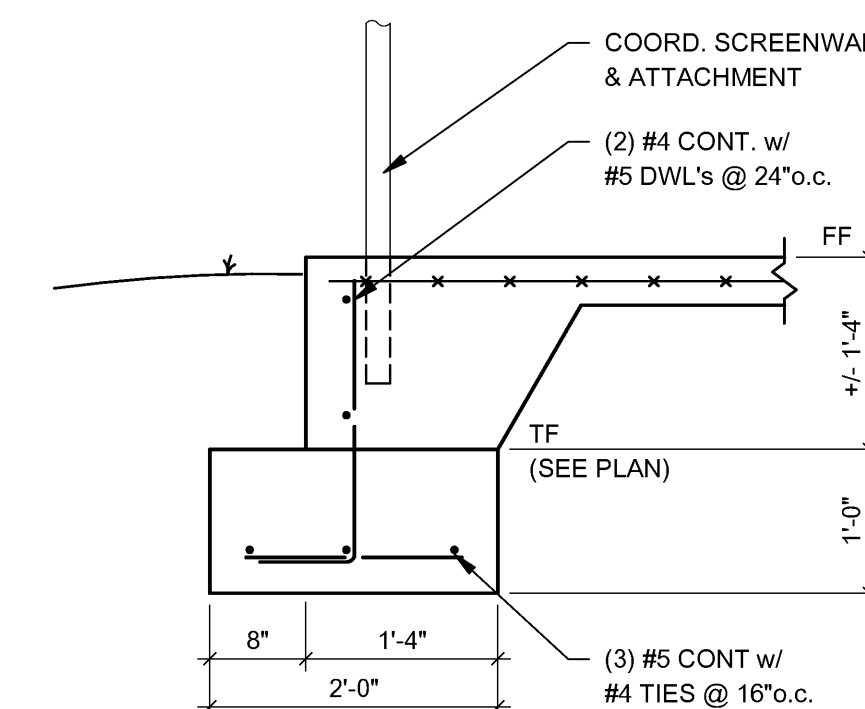
SHEET
 S1.1



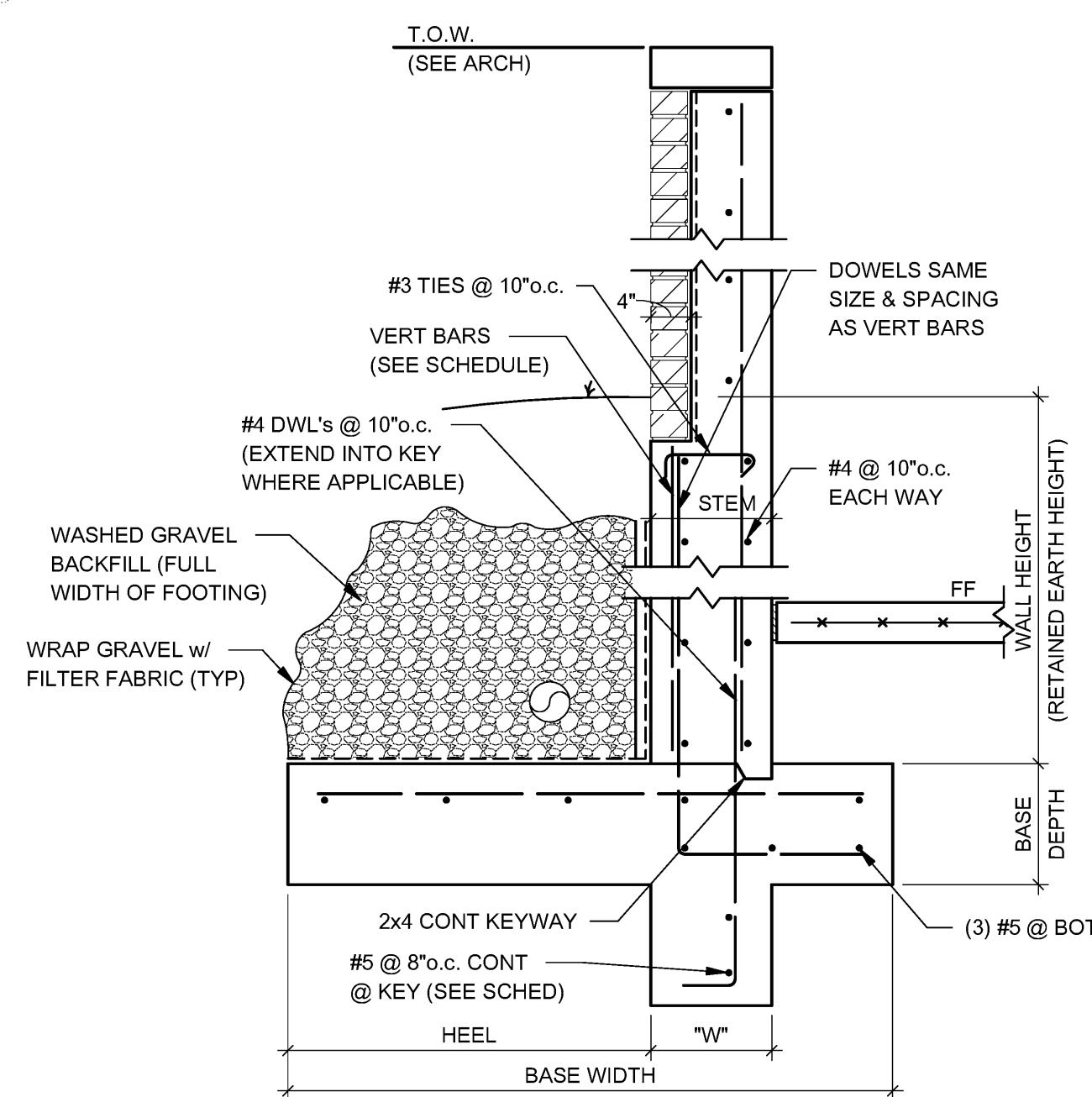
A MECH ENCLOSURE FOUNDATION PLAN
1/8" = 1'-0"



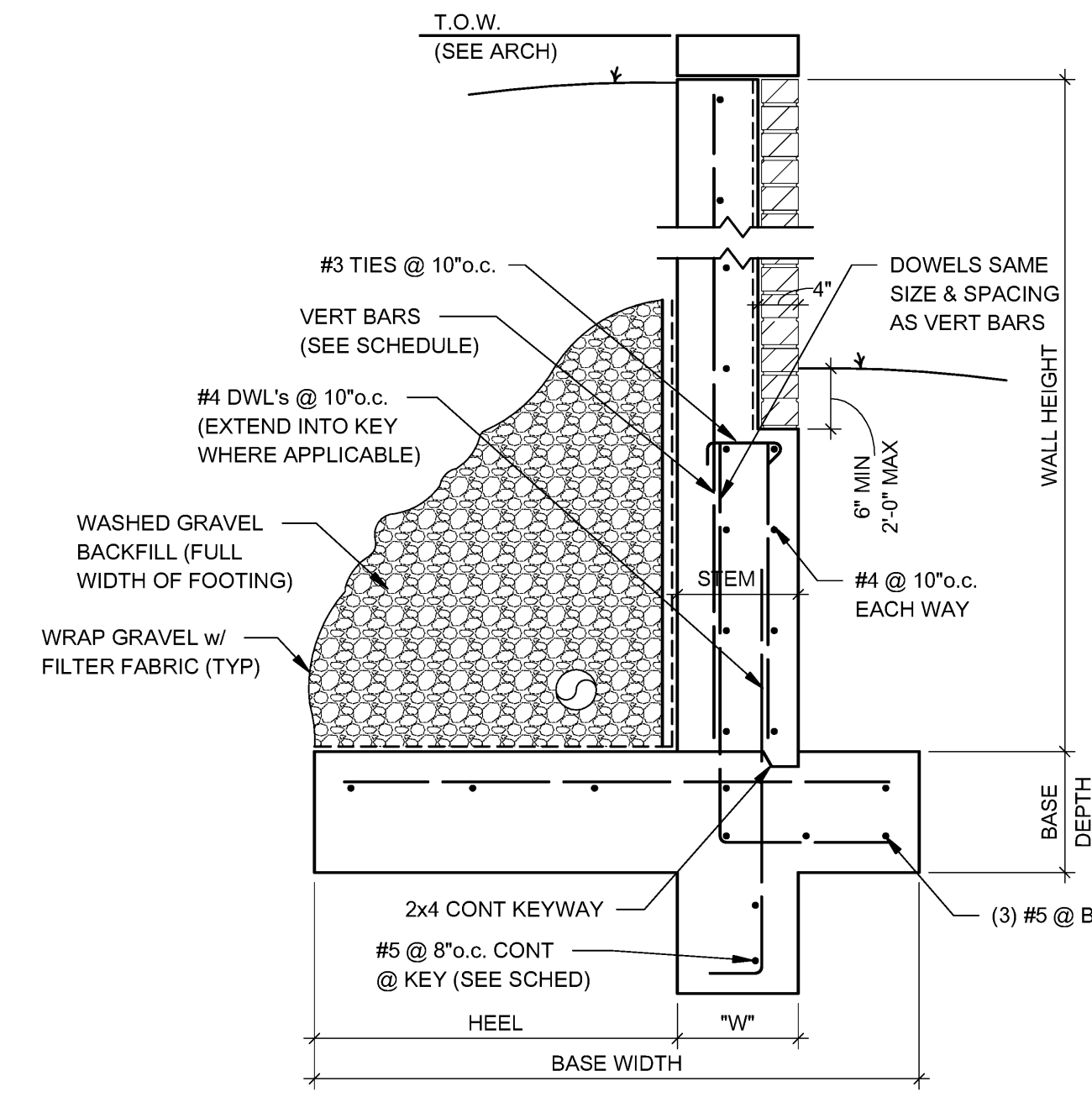
1 SECTION
3/4" = 1'-0"



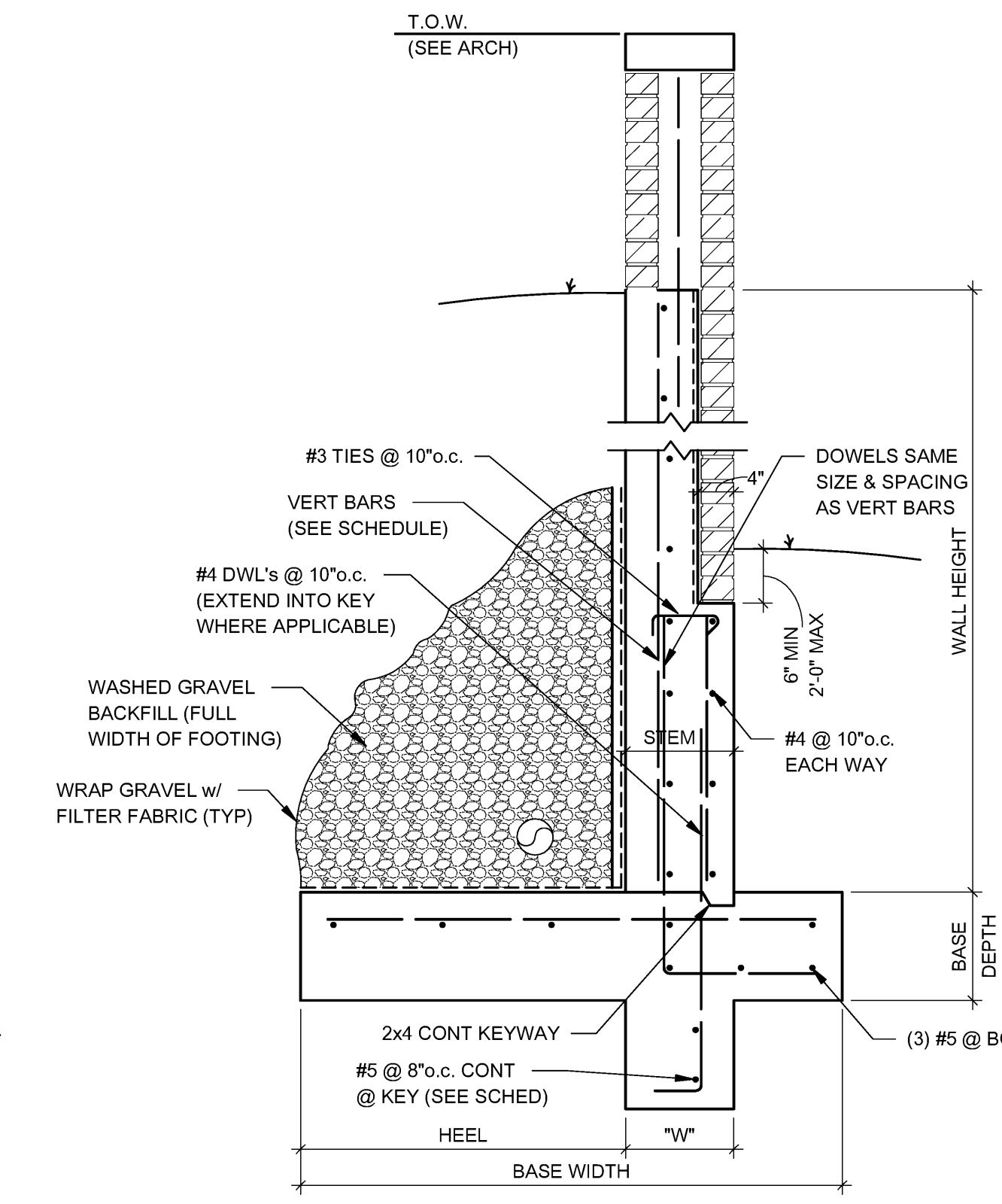
2 SECTION
3/4" = 1'-0"



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



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



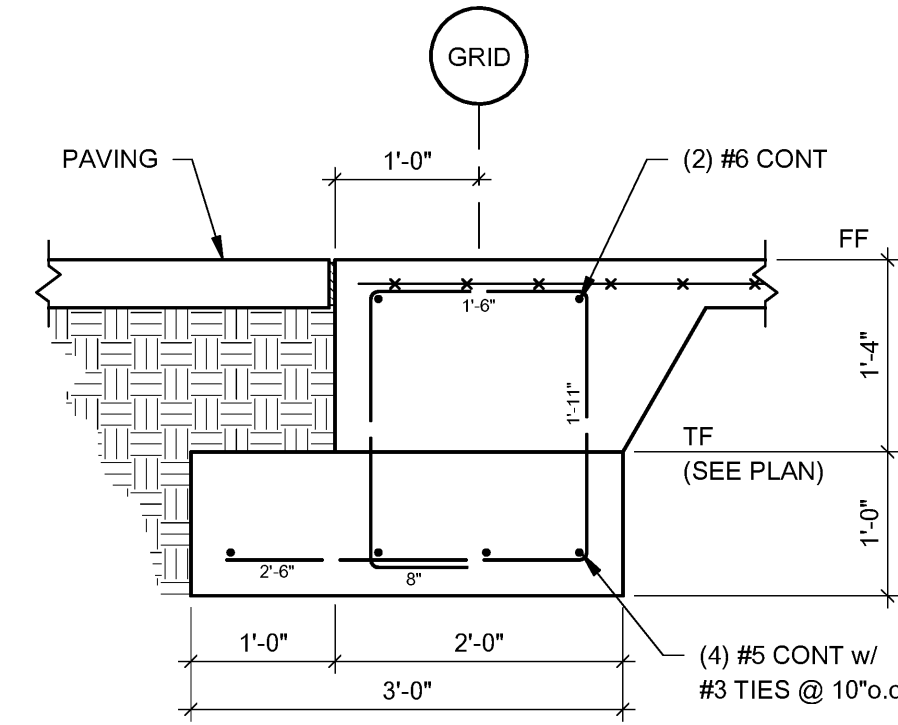
5 SECTION
3/4" = 1'-0"

USE RETAINING WALL SCHEDULE BELOW FOR SECTIONS 3, 4 & 5

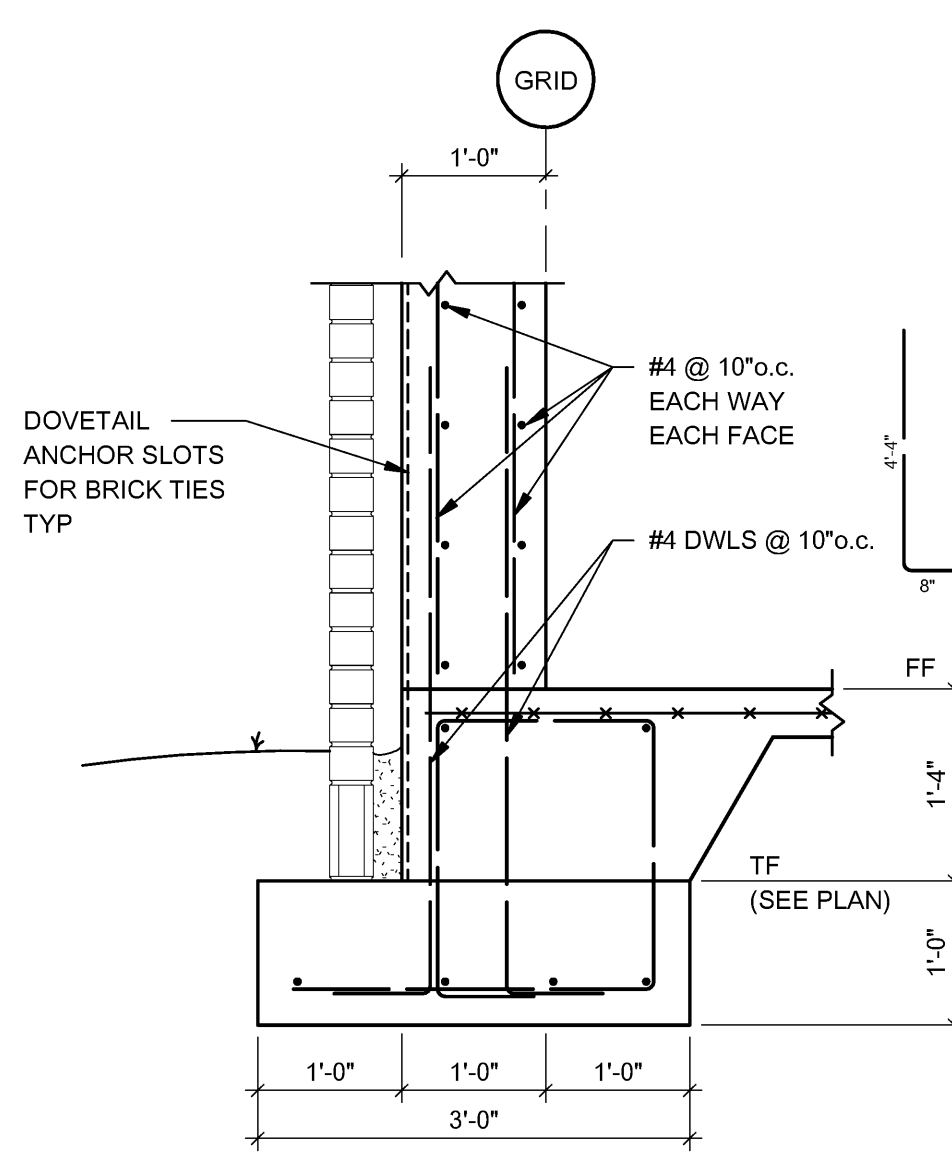
WALL HEIGHT	BASE		HEEL	STEM	VERT BARS	INSIDE BAR LAP	KEY	
	WIDTH	DEPTH					W	L
0' TO 4'-0"	4'-0"	1'-0"	2'-0"	1'-0"	#4 @ 10" o.c.	2'-4"	N/A	N/A
4'-1" TO 6'-0"	5'-0"	1'-0"	3'-0"	1'-0"	#4 @ 10" o.c.	2'-4"	1'-0"	1'-0"
6'-1" TO 8'-0"	6'-0"	1'-0"	4'-0"	1'-0"	#5 @ 10" o.c.	3'-0"	1'-0"	1'-0"
8'-1" TO 10'-0"	7'-0"	1'-0"	4'-4"	1'-0"	#6 @ 10" o.c.	3'-6"	1'-0"	1'-6"
10'-1" TO 13'-0"	8'-0"	1'-6"	4'-6"	1'-4"	#7 @ 10" o.c.	4'-0"	1'-4"	1'-6"

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9/19/2016
JOB# 16-175

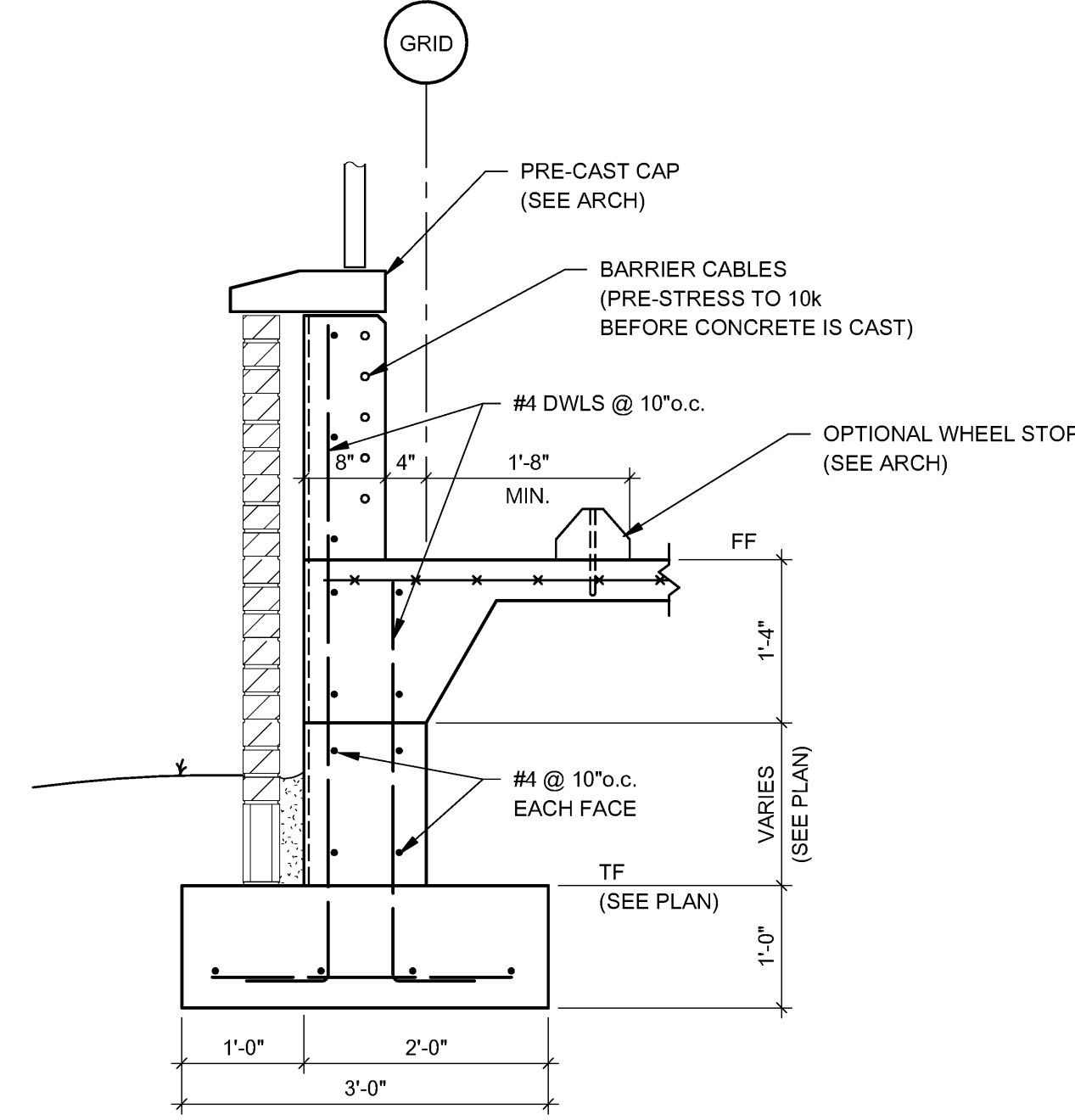
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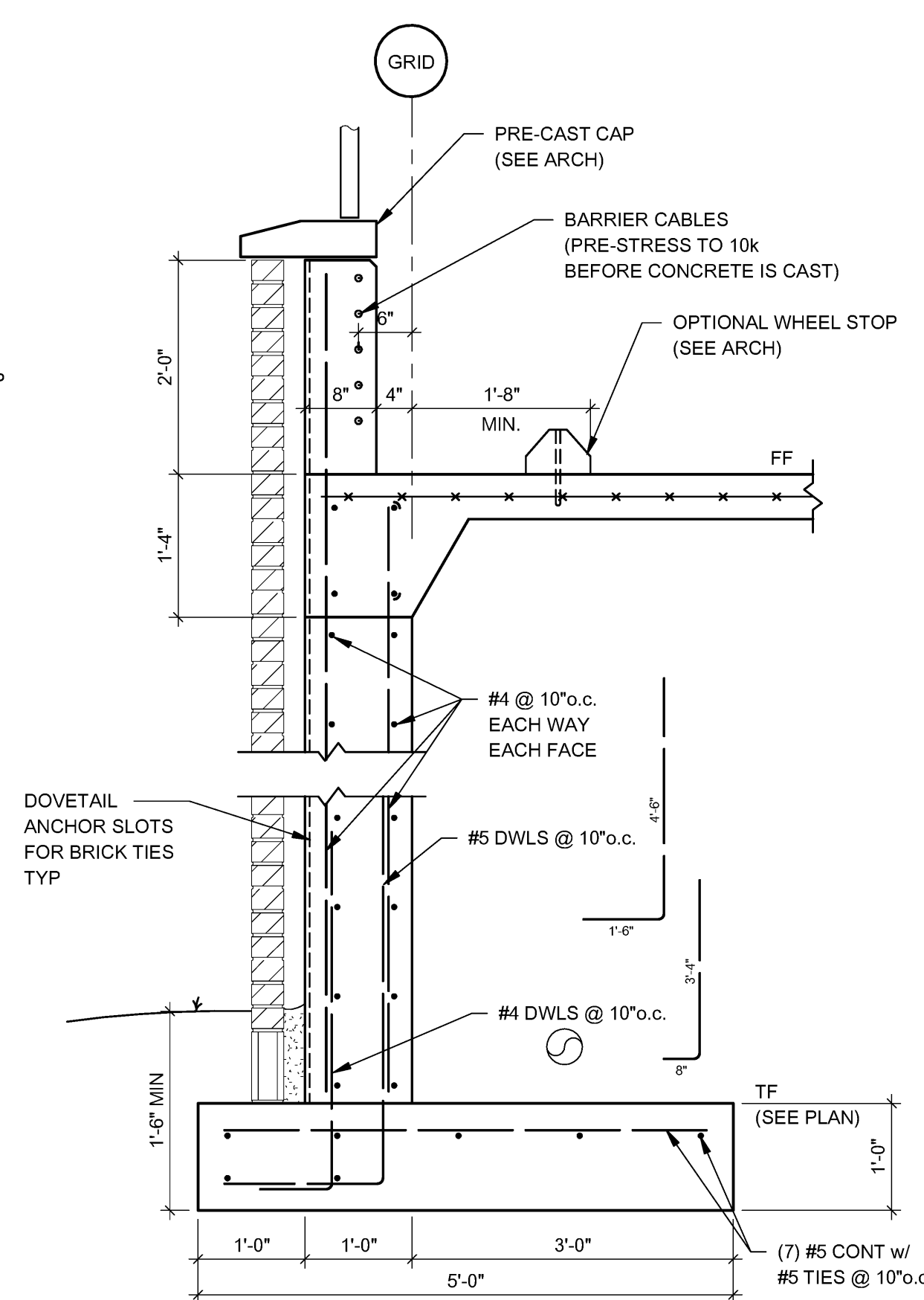
1 SECTION
3/4" = 1'-0"



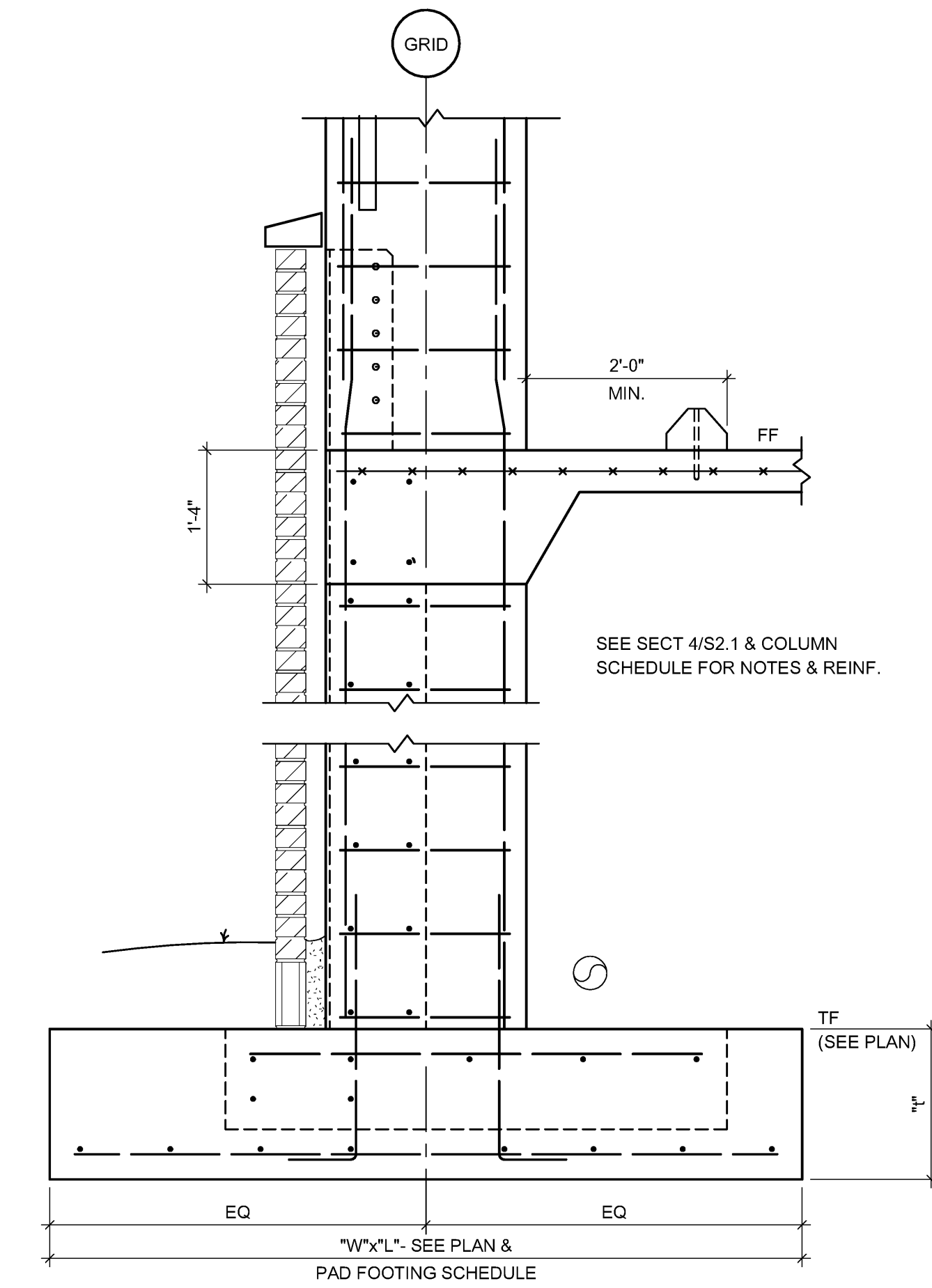
2 SECTION
3/4" = 1'-0"



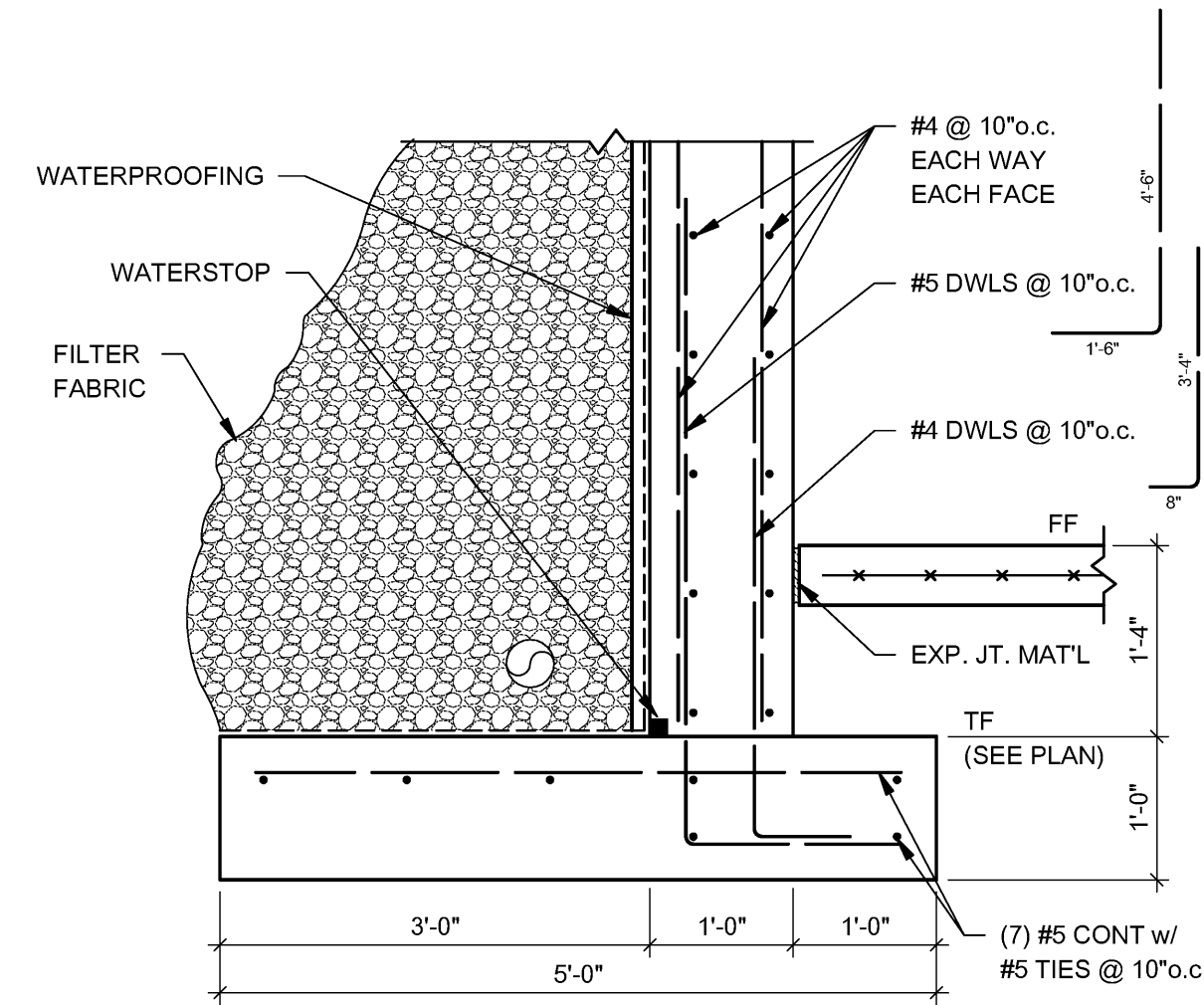
3 SECTION
3/4" = 1'-0"



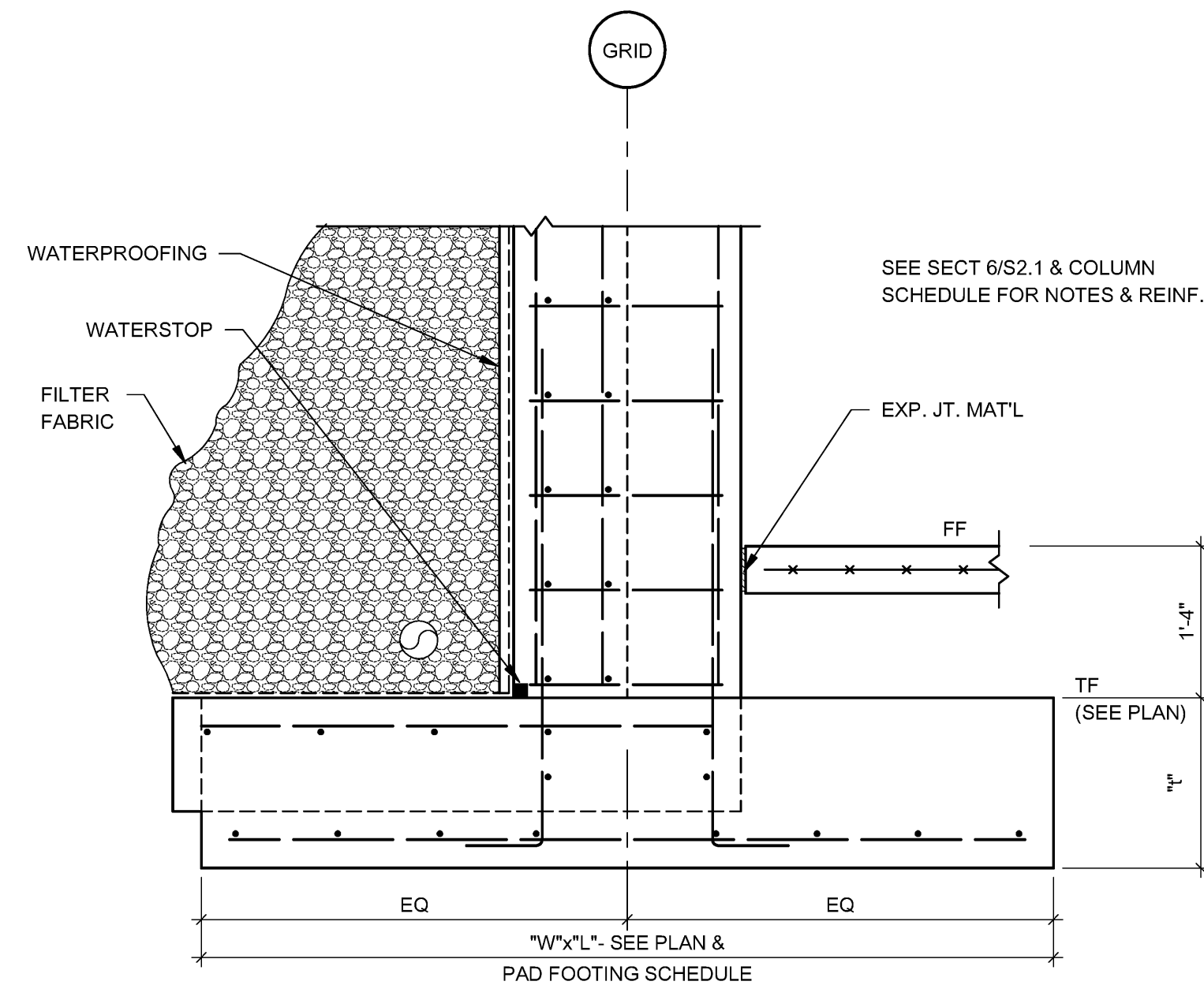
4 SECTION
3/4" = 1'-0"



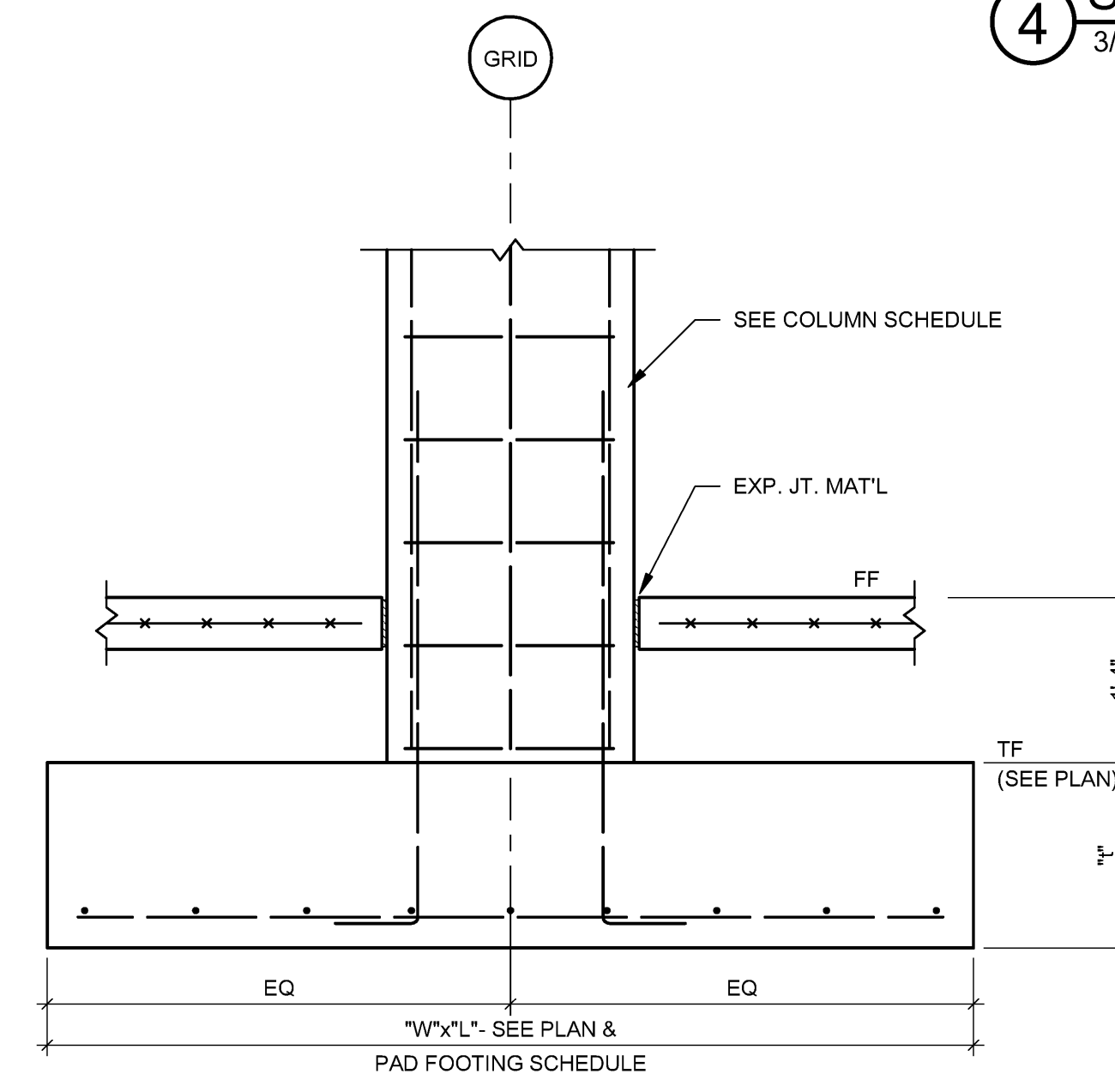
5 SECTION
3/4" = 1'-0"



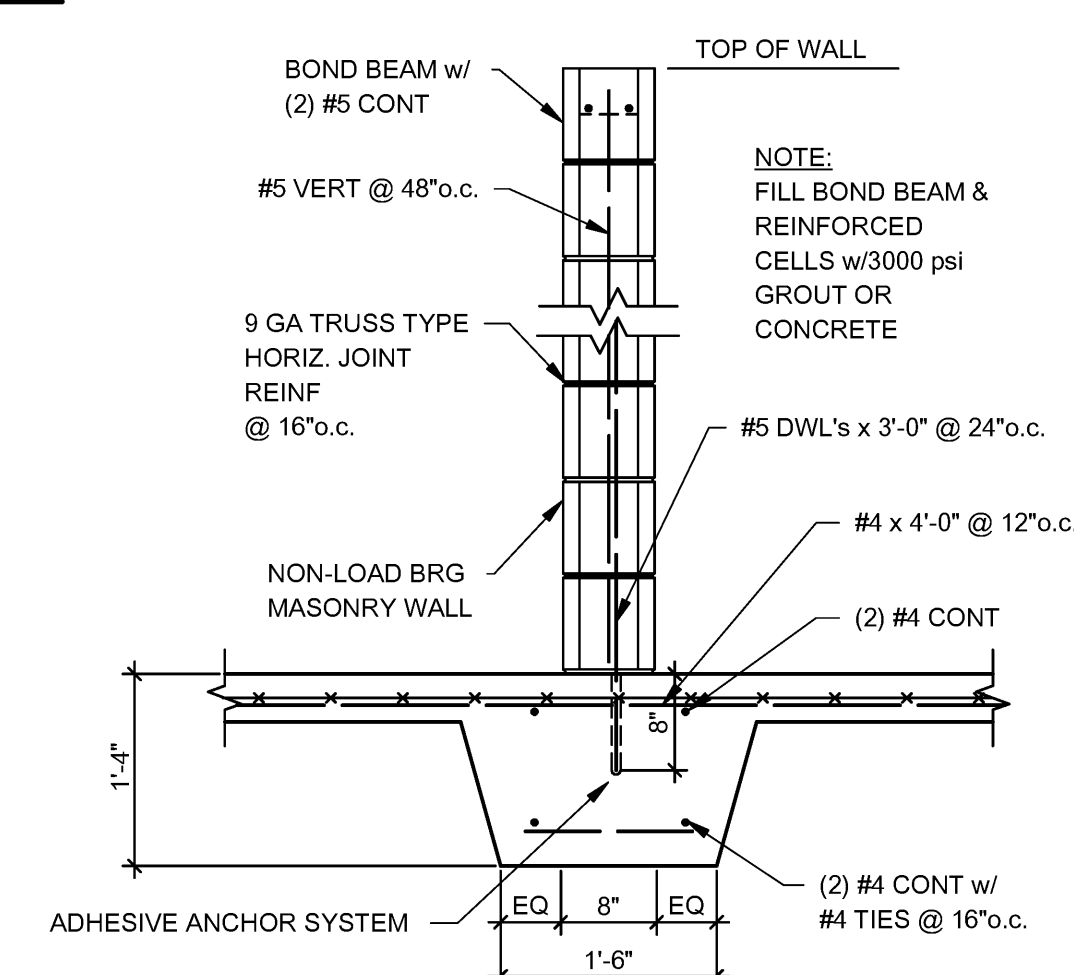
6 SECTION
3/4" = 1'-0"



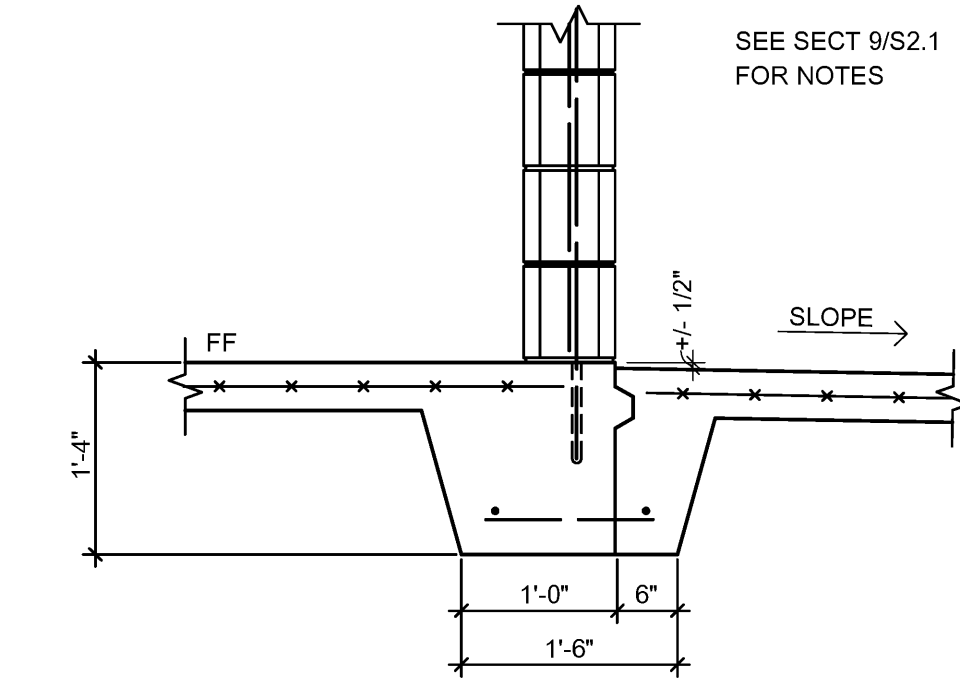
7 SECTION
3/4" = 1'-0"



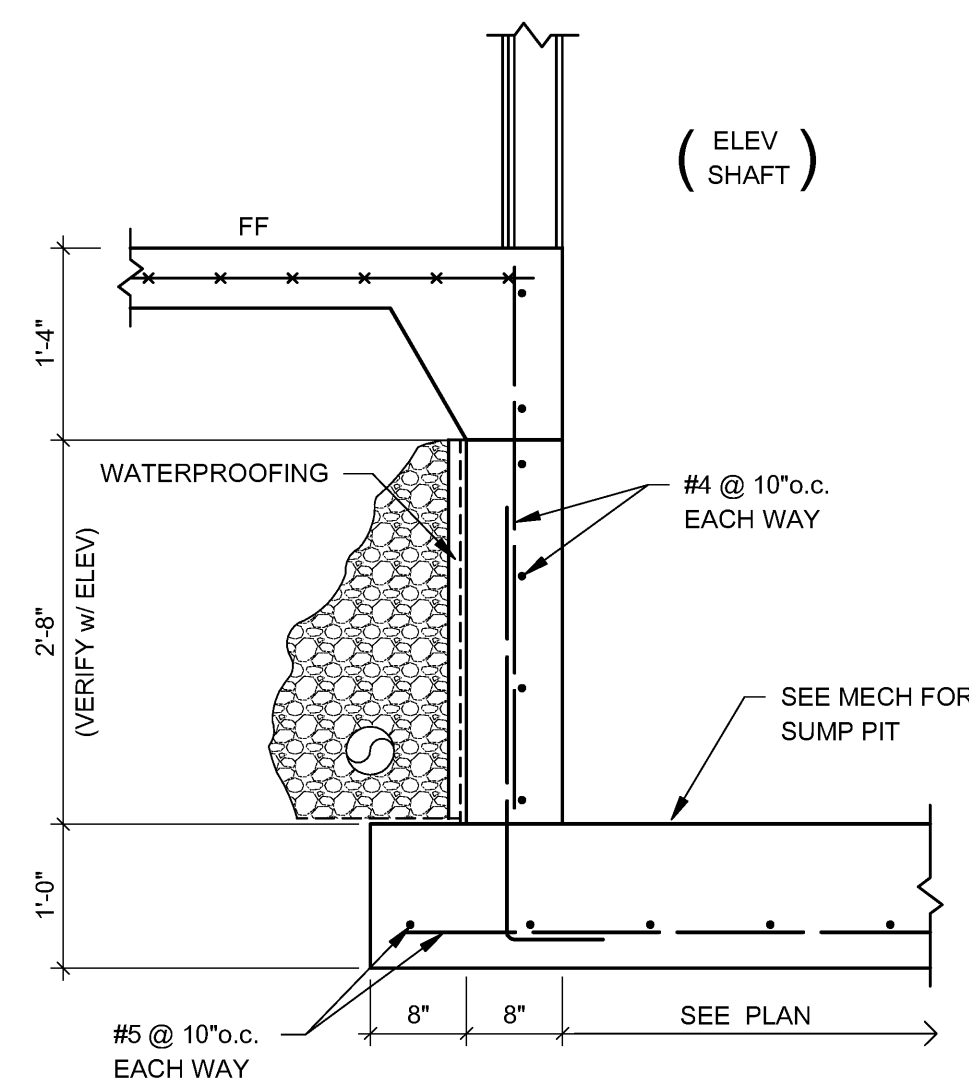
8 SECTION
3/4" = 1'-0"



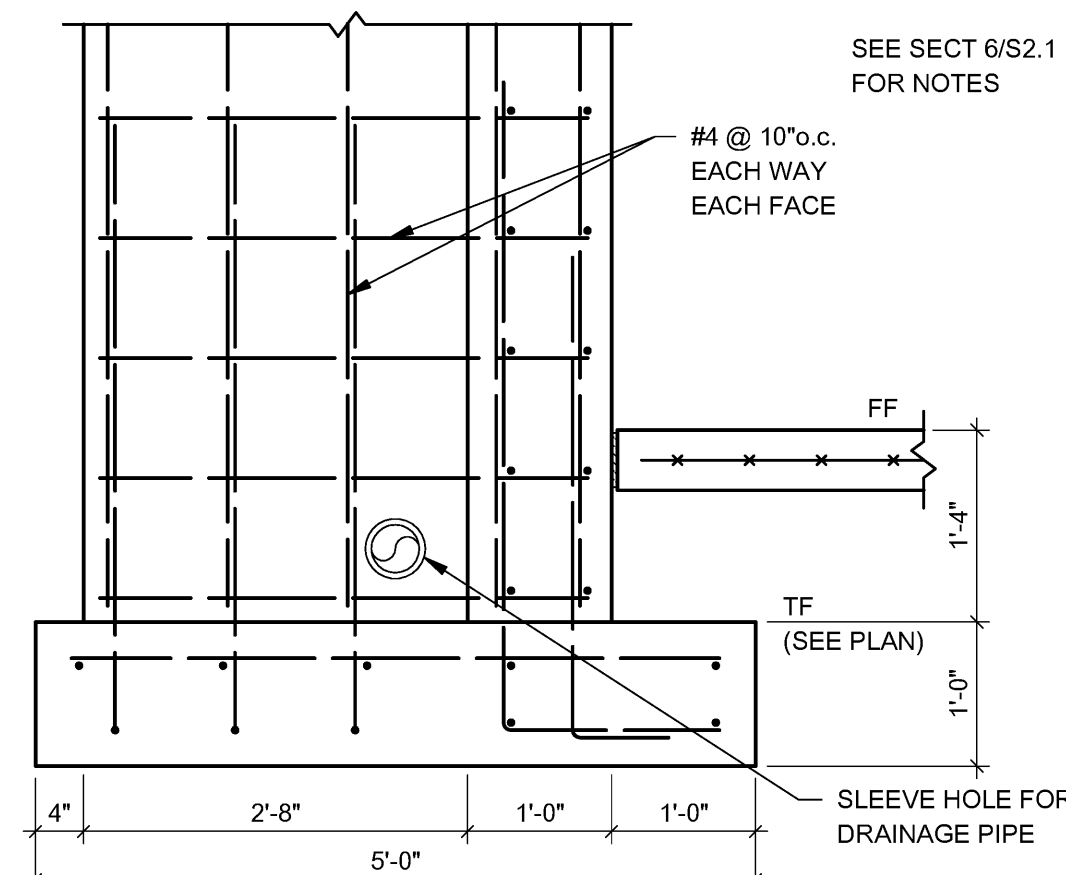
9 THICKENED SLAB DETAIL (TYP)
3/4" = 1'-0"



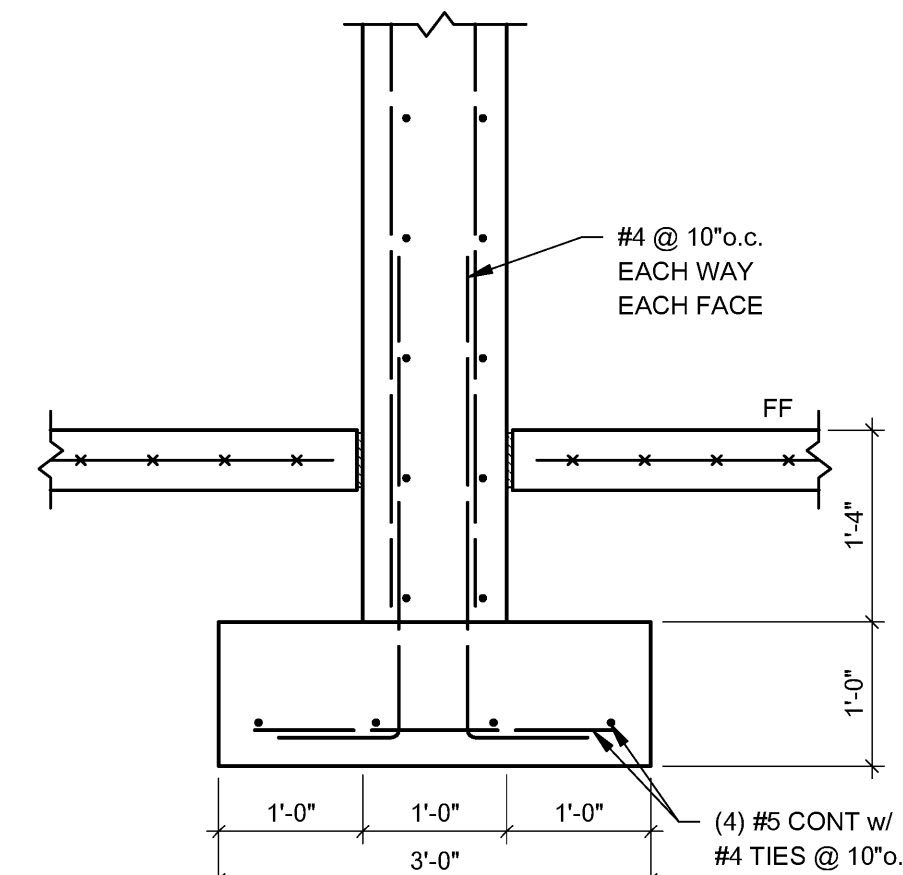
9A THICKENED SLAB w/ CJ DETAIL
3/4" = 1'-0"



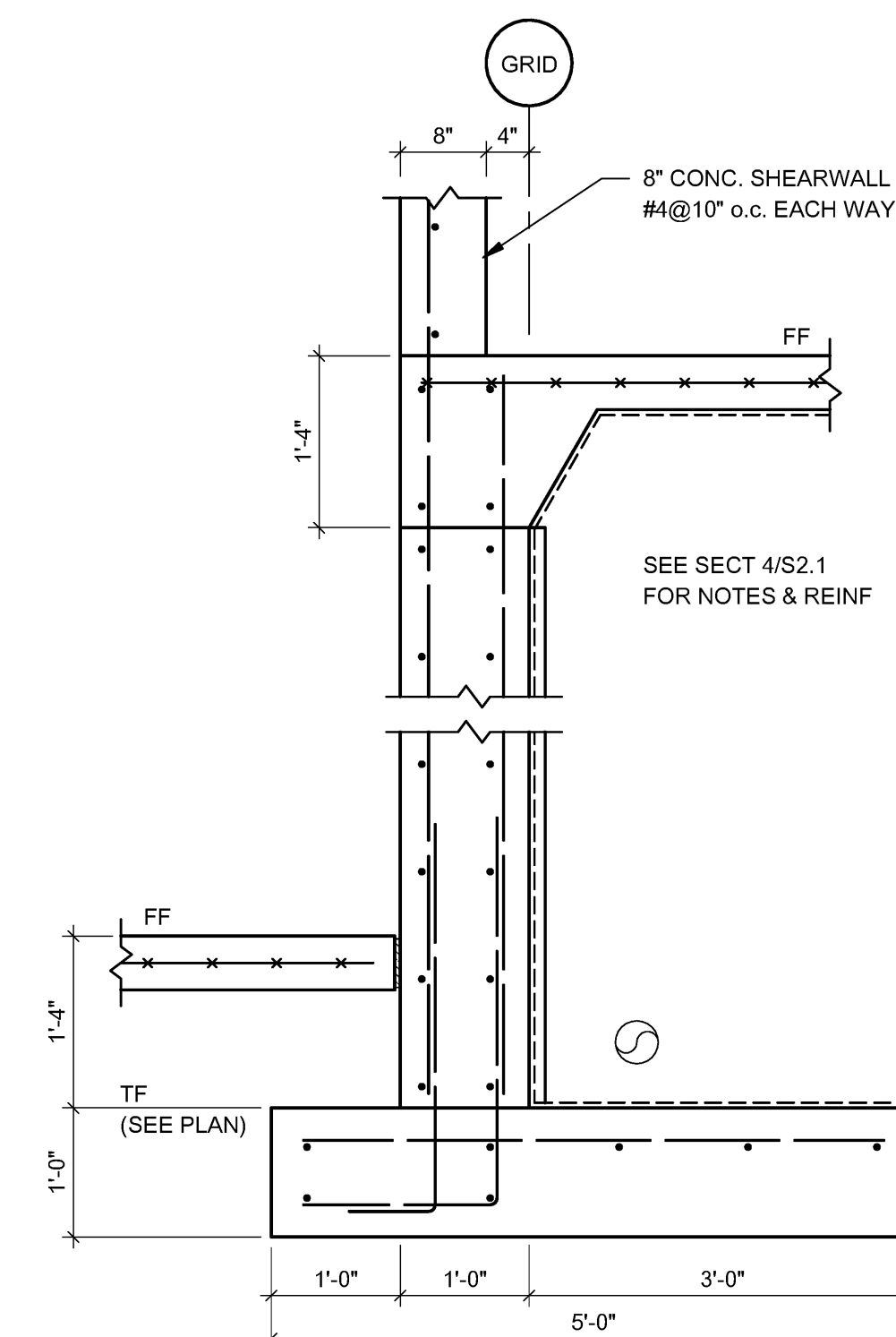
10 SECTION
3/4" = 1'-0"



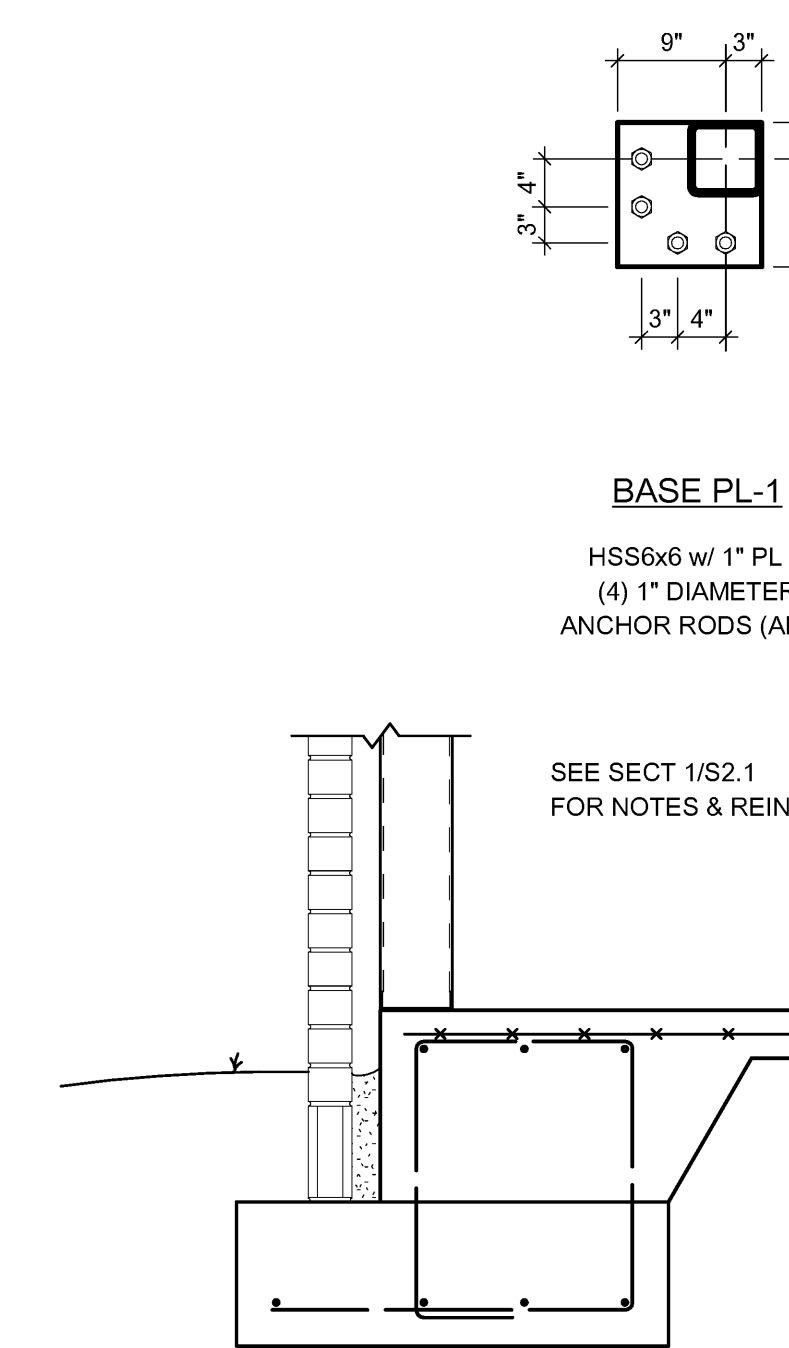
11 SECTION
3/4" = 1'-0"



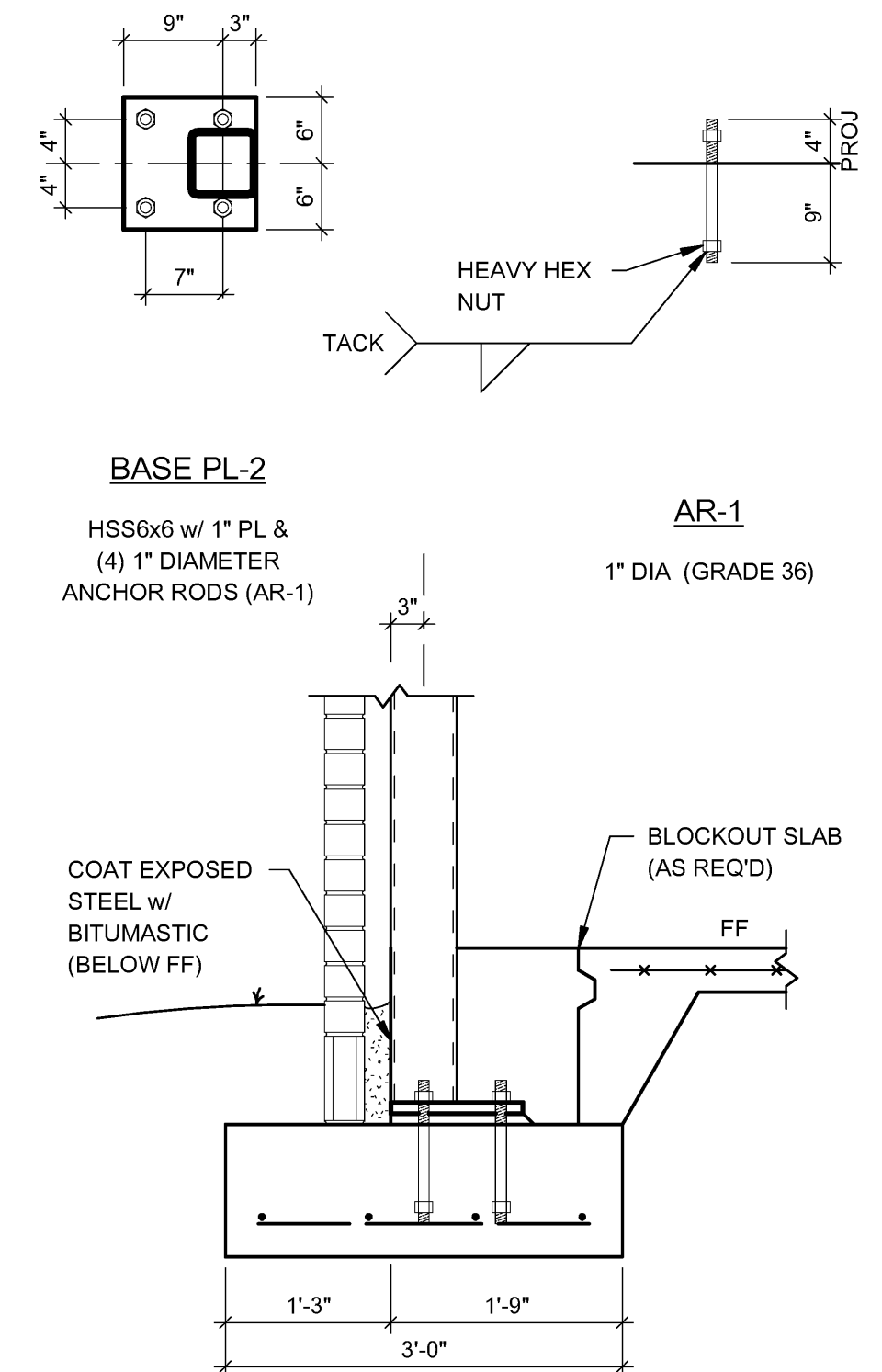
12 SECTION
3/4" = 1'-0"



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



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



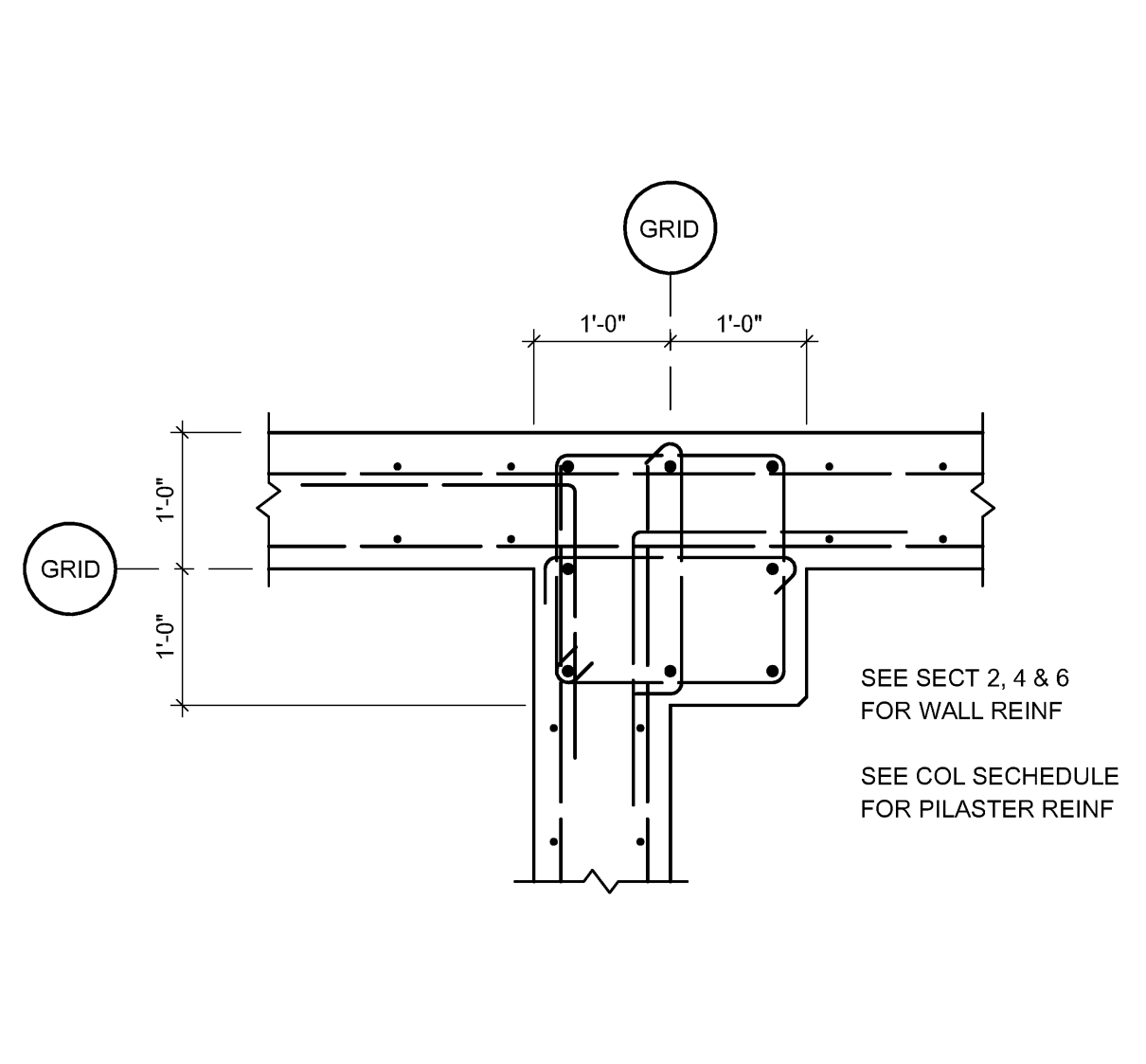
15 SECTION
3/4" = 1'-0"

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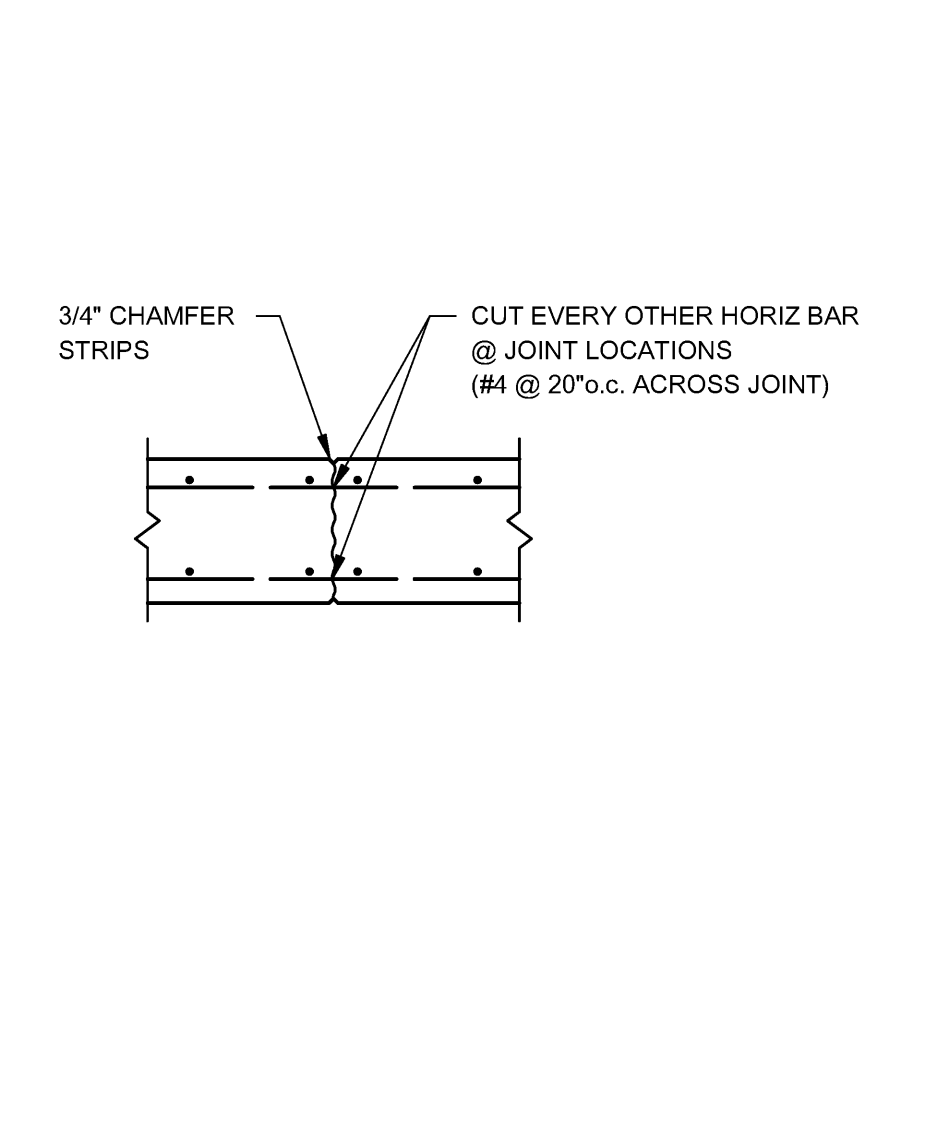
401 West Capitol Avenue, Suite 305
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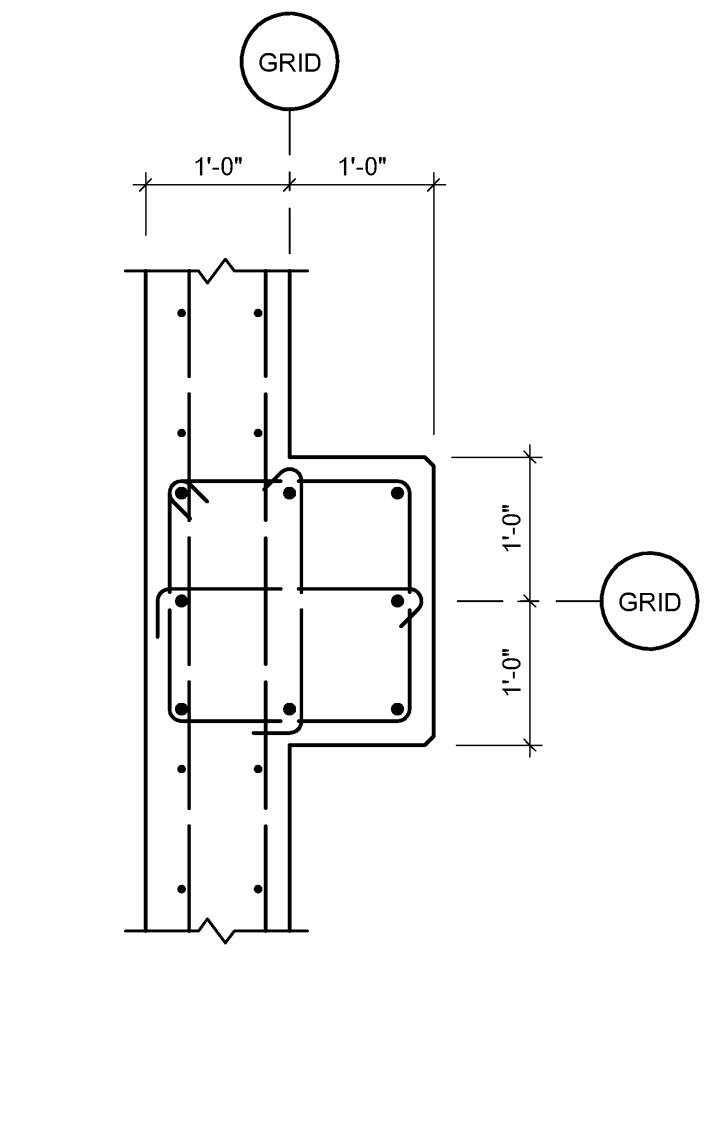
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 8953



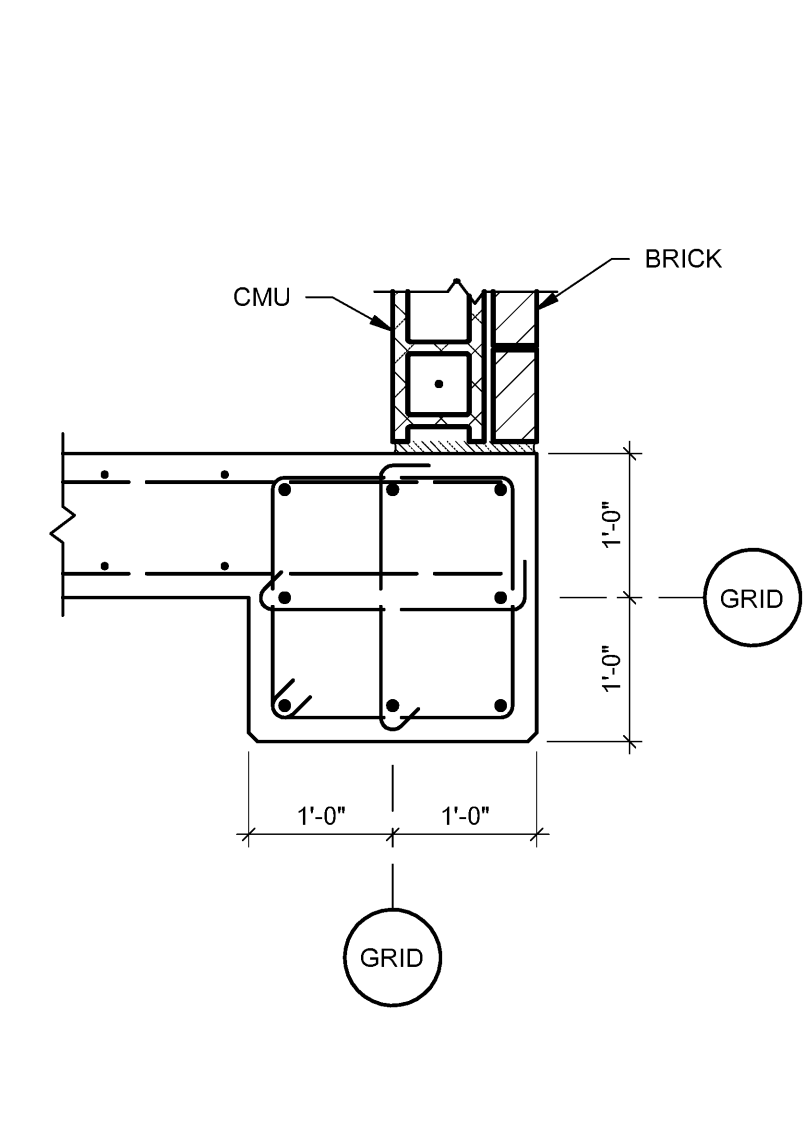
1 PLAN DETAIL
3/4" = 1'-0"



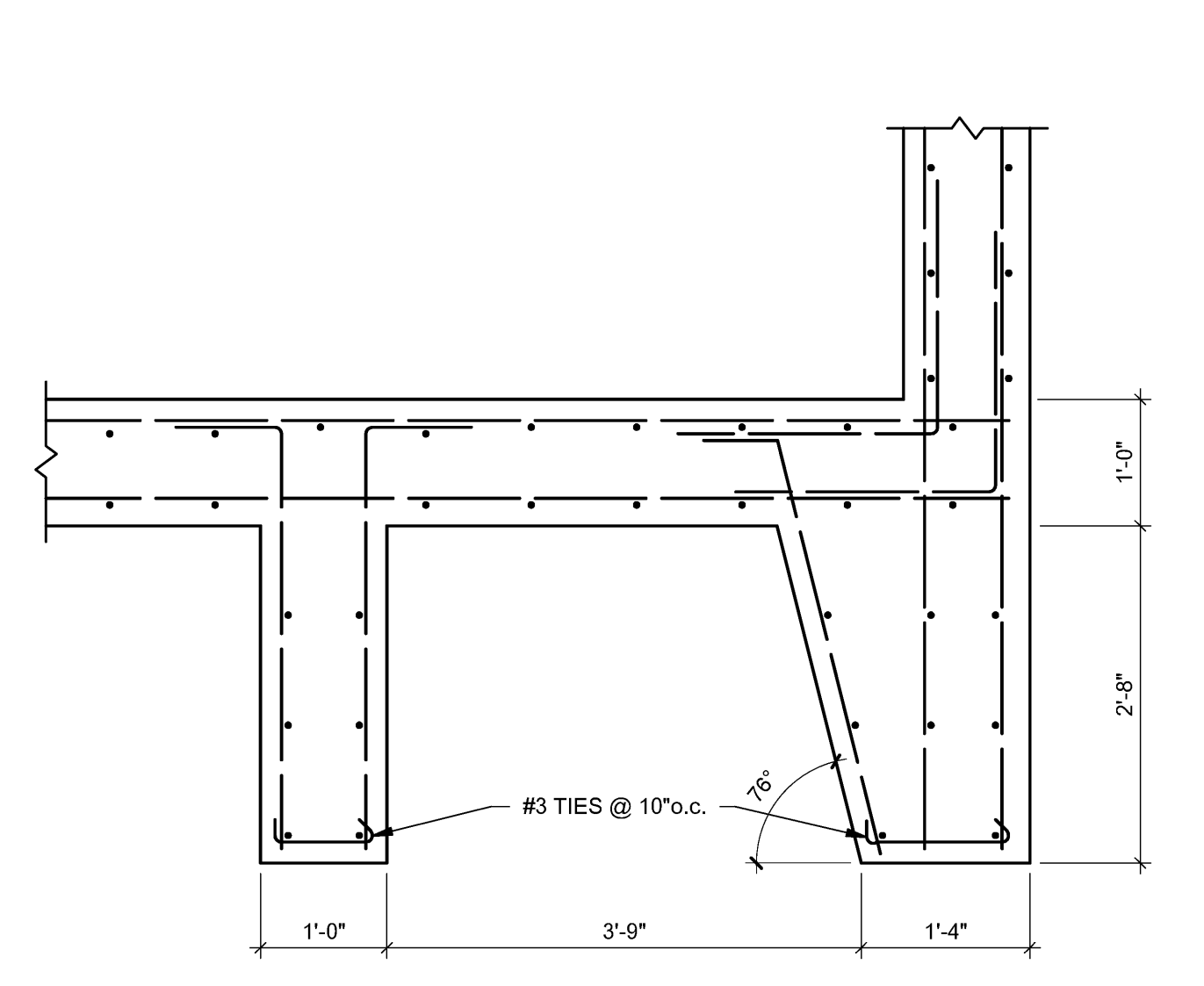
2 WALL C.J. DETAIL
3/4" = 1'-0"



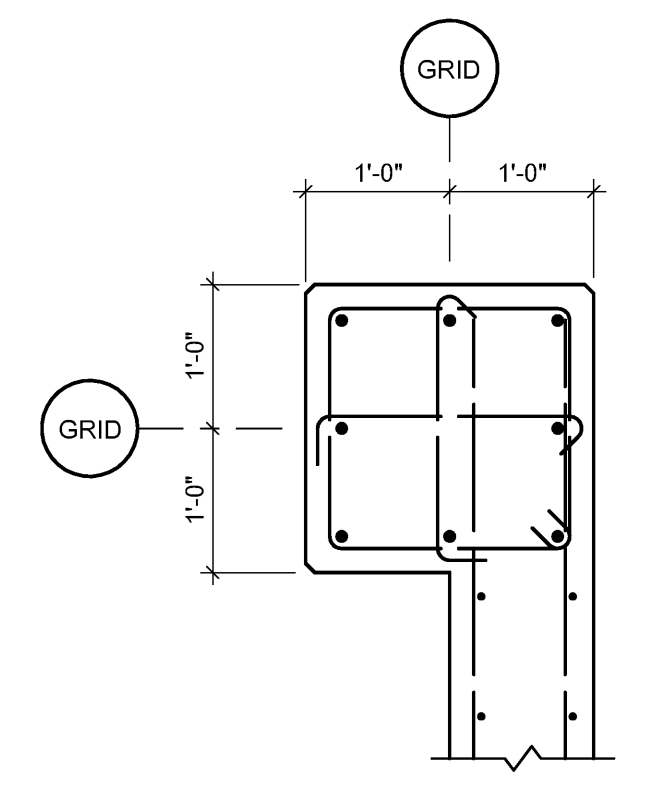
3 PLAN DETAIL
3/4" = 1'-0"



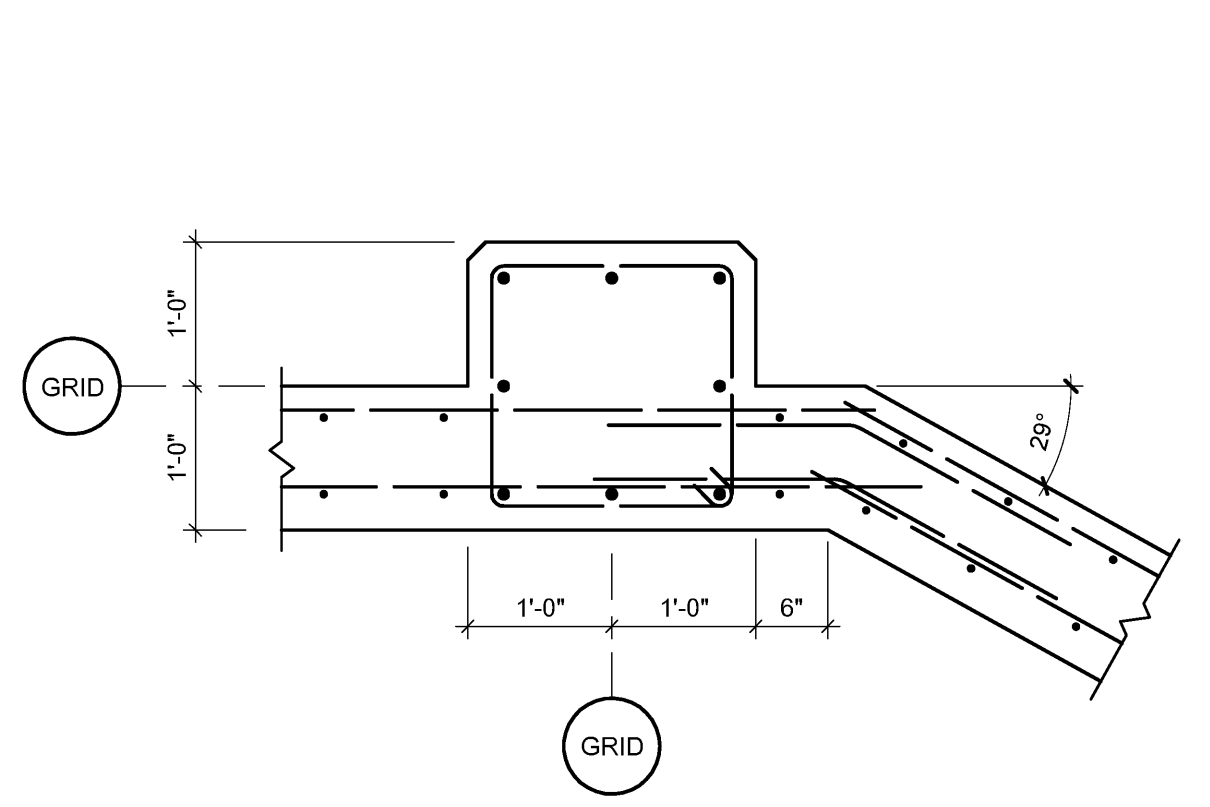
4 PLAN DETAIL
3/4" = 1'-0"



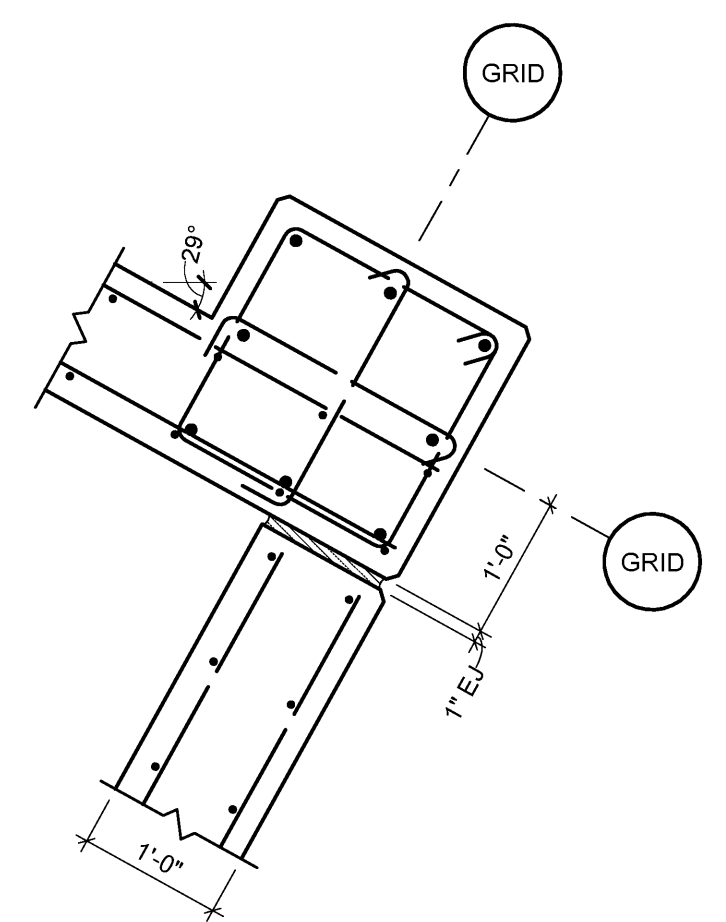
5 PLAN DETAIL
3/4" = 1'-0"



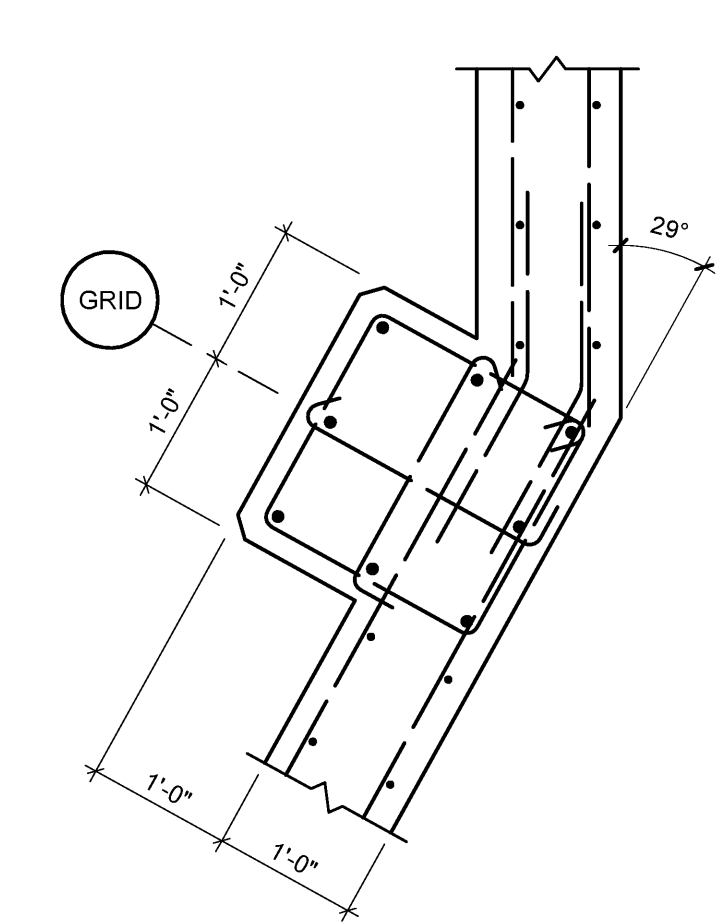
6 PLAN DETAIL
3/4" = 1'-0"



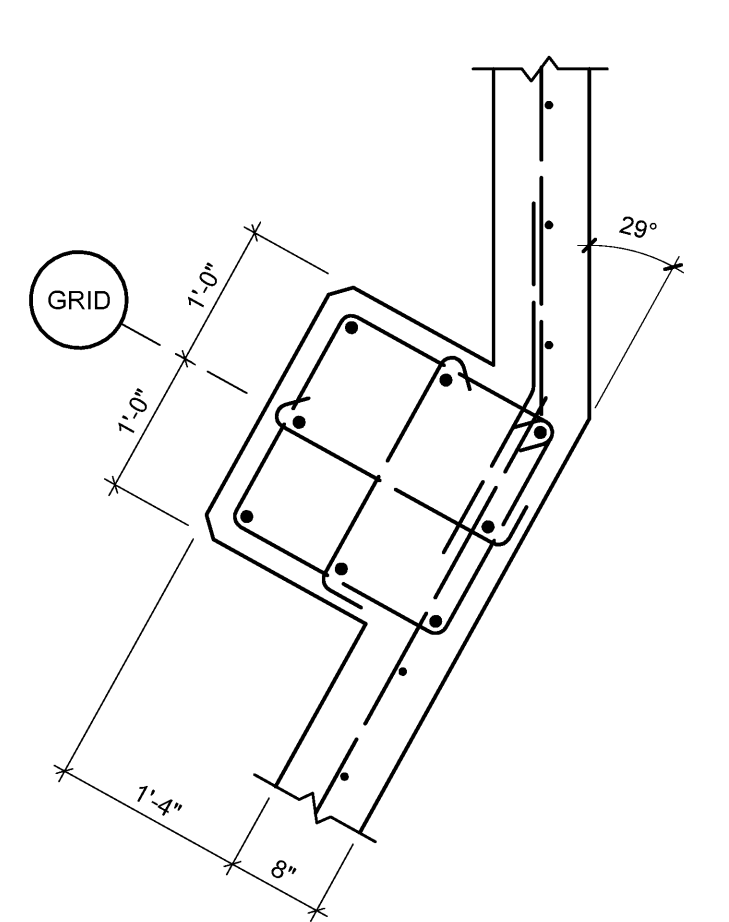
7 PLAN DETAIL
3/4" = 1'-0"



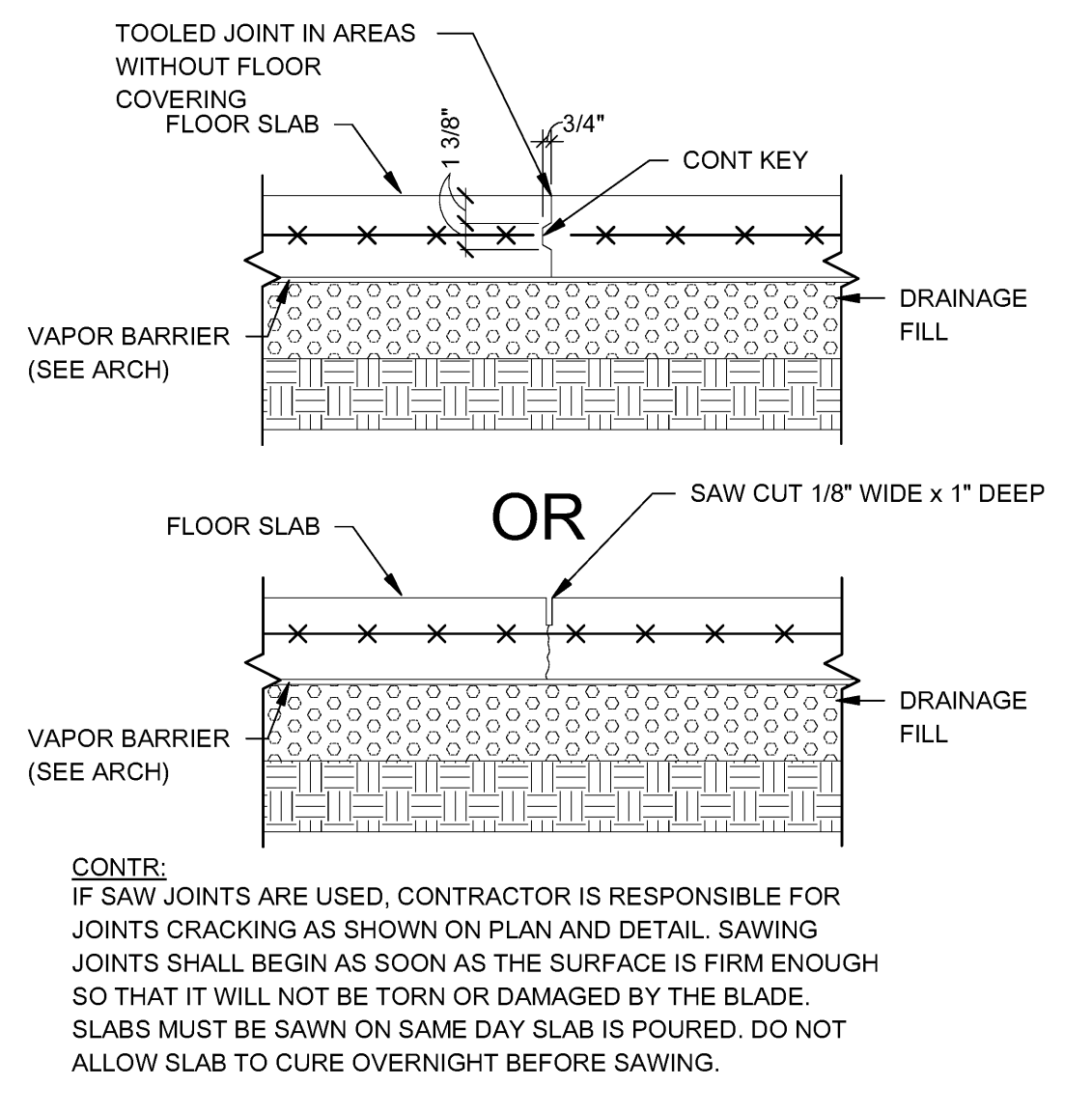
8 PLAN DETAIL
3/4" = 1'-0"



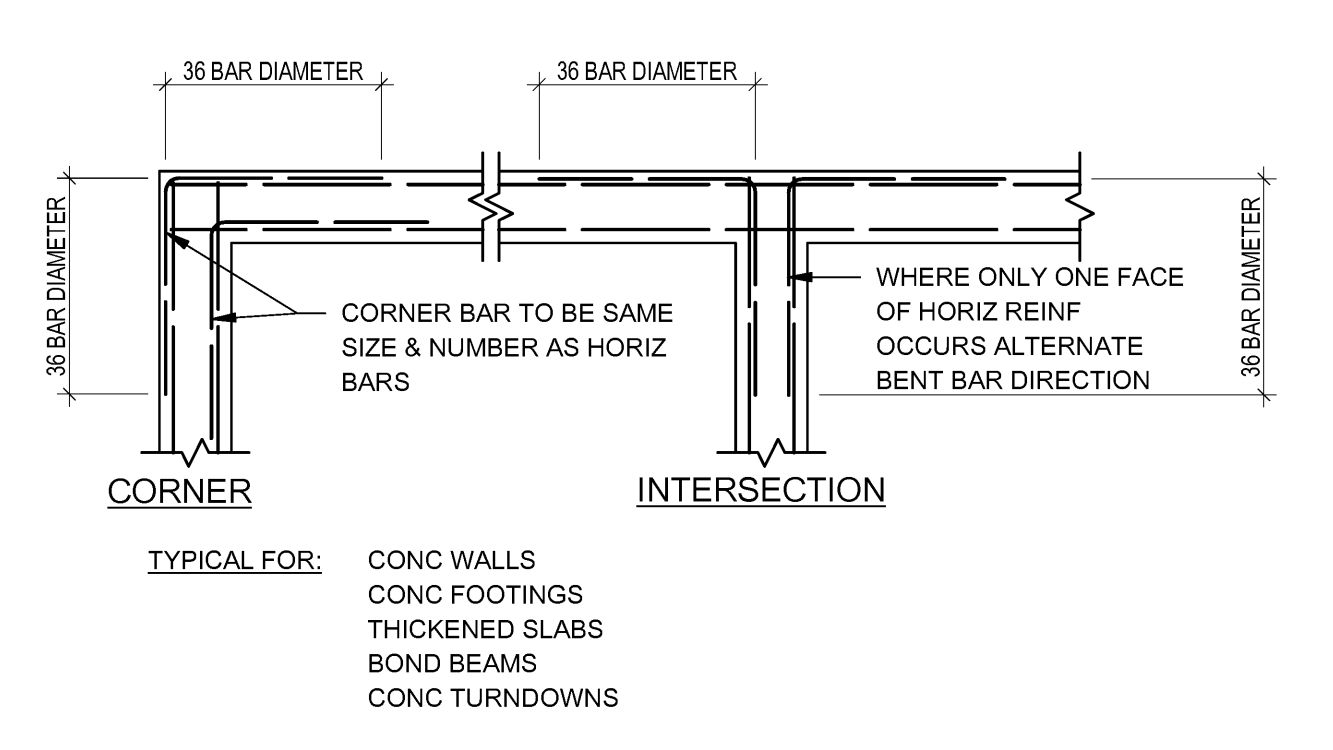
9 PLAN DETAIL
3/4" = 1'-0"



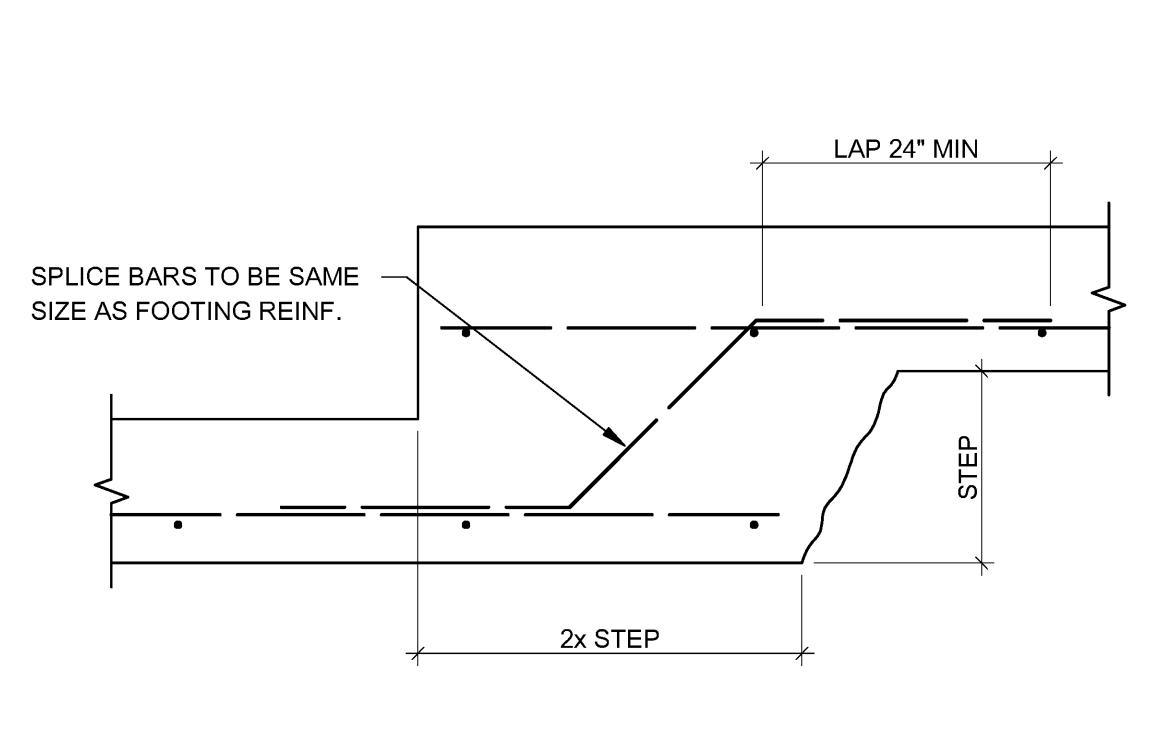
10 PLAN DETAIL
3/4" = 1'-0"



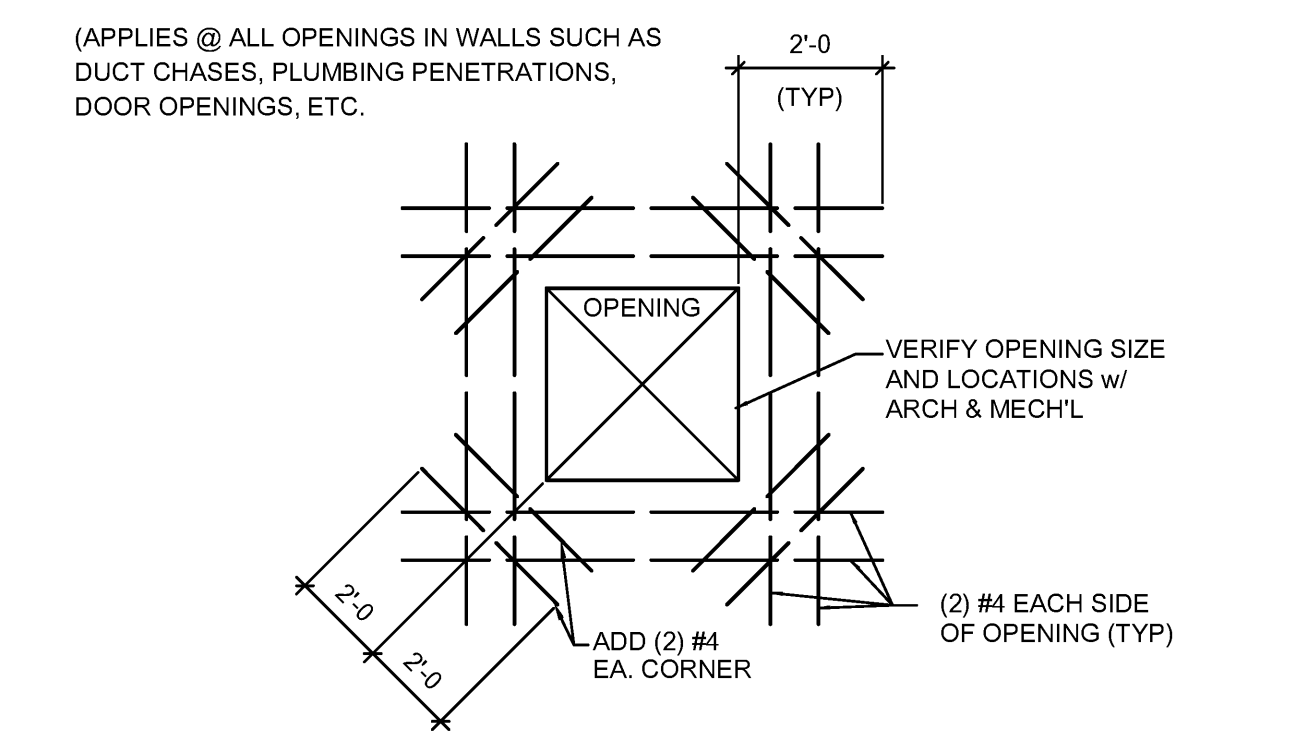
A CONTROL JOINT DETAIL
3/4" = 1'-0"



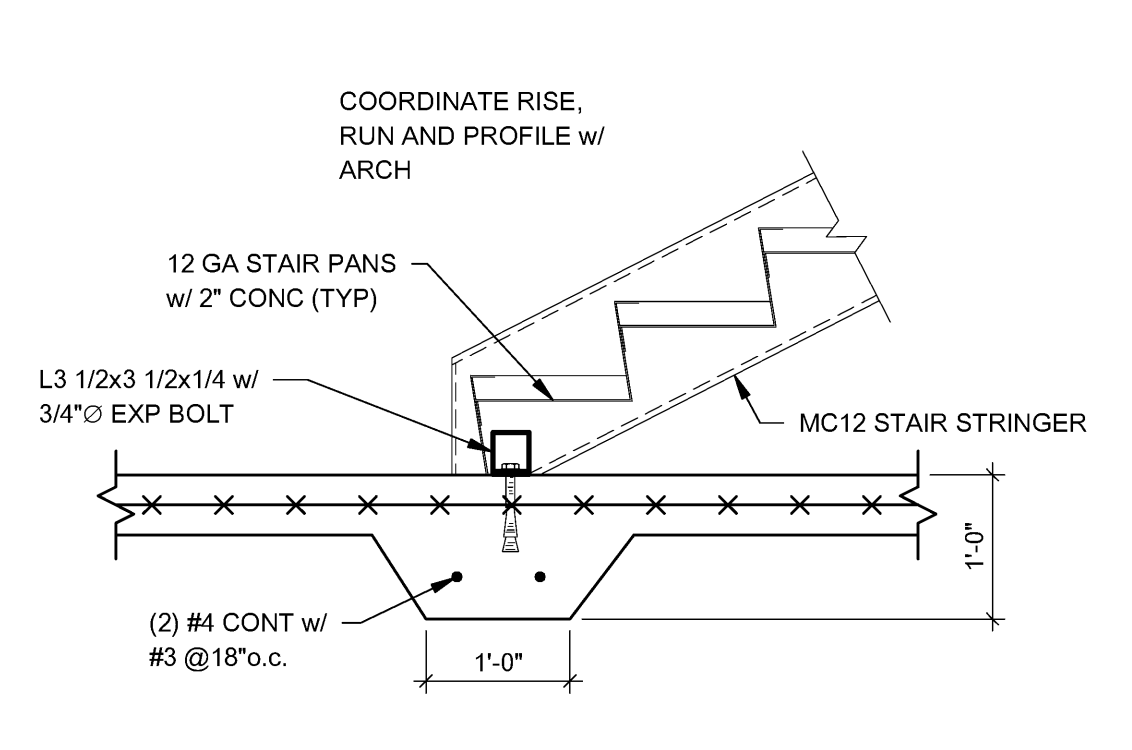
B TYPICAL CORNER BAR DETAIL
3/4" = 1'-0"



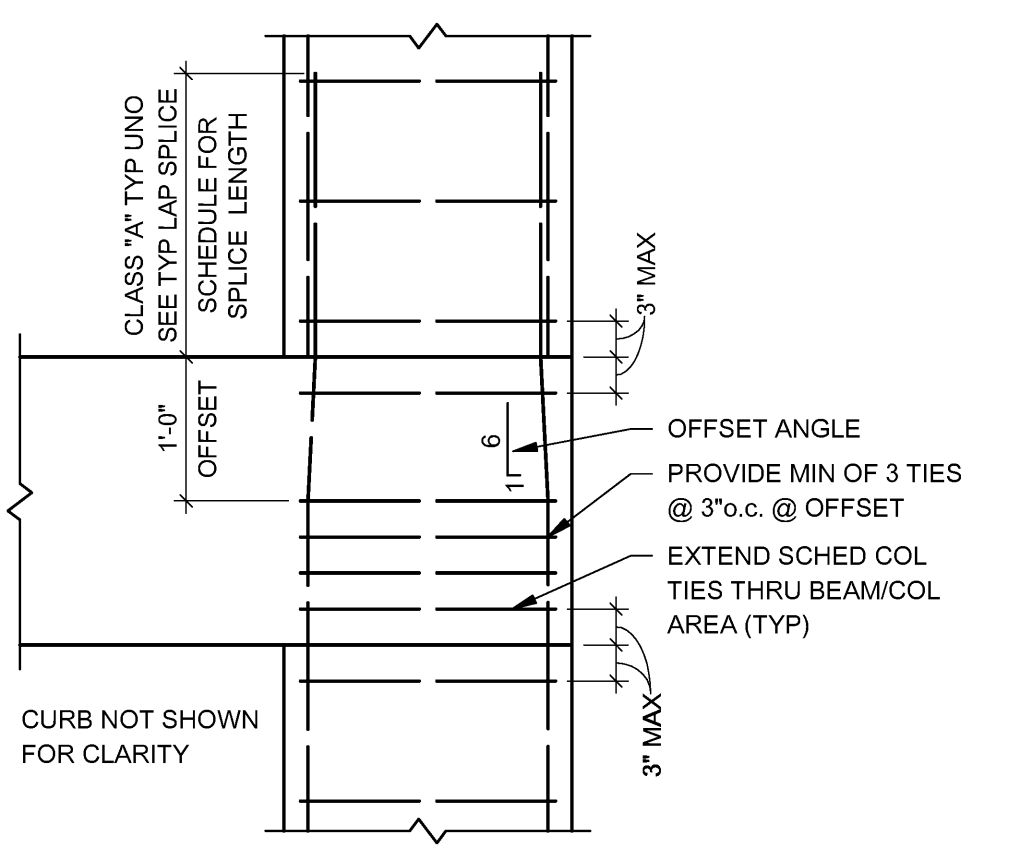
C CONT FOOTING STEP DETAIL
3/4" = 1'-0"



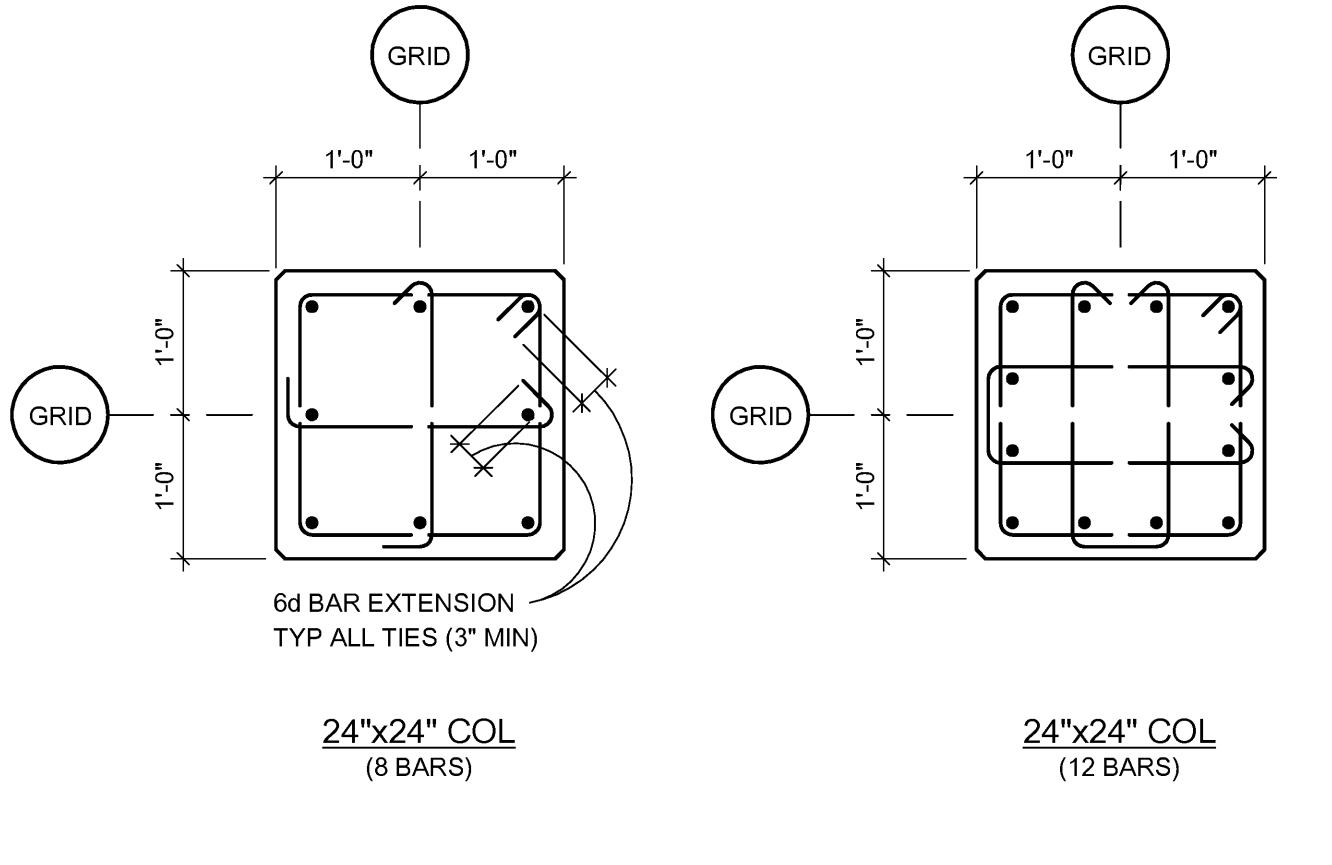
D TYPICAL REINFORCING @ OPENING IN WALL
3/4" = 1'-0"



E STAIR AT FOUNDATION
3/4" = 1'-0"



G COLUMN SPLICE DETAIL
3/4" = 1'-0"



F COLUMN REINFORCING DETAILS
3/4" = 1'-0"

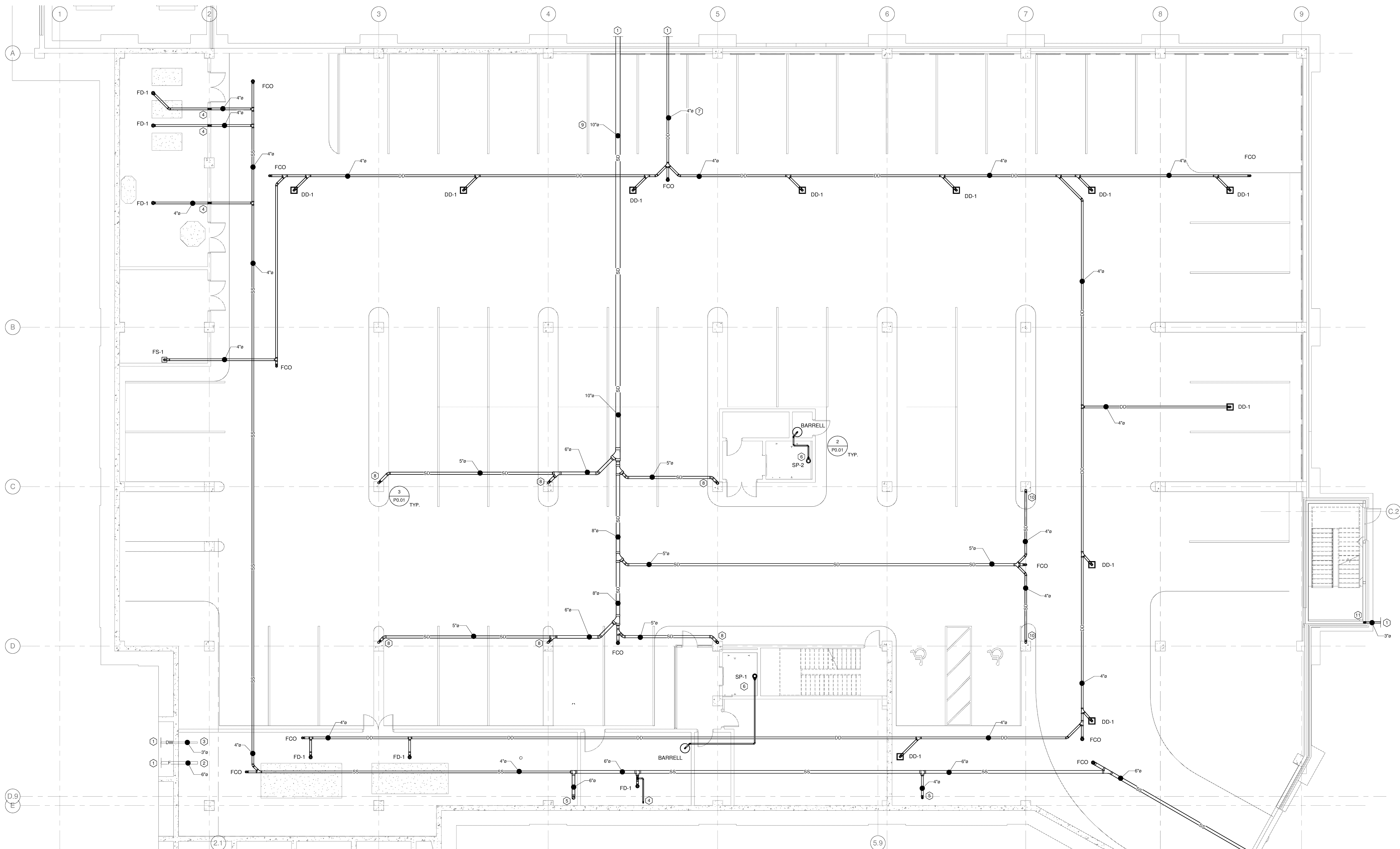
CONCRETE COLUMN SCHEDULE

MARK	LA/W	REINFORCEMENT
C1	24x24	(8) #8 VERT w/ #3 TIES @ 10\"/>
C2	24x24	(12) #10 VERT w/ #3 TIES @ 10\"/>

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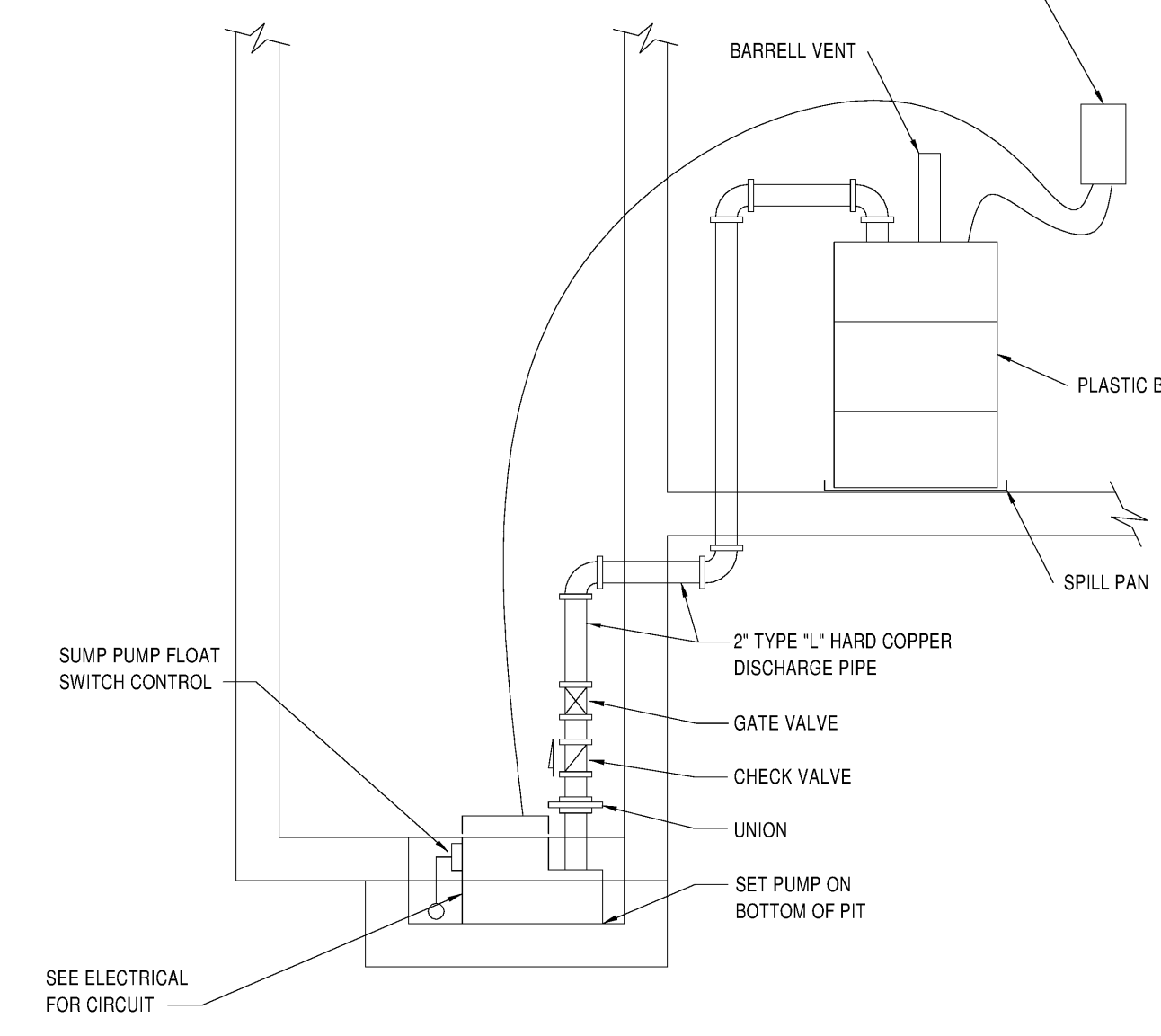
1 UNDERGROUND PLUMBING PLAN
 P0.01 1/8" = 1'-0"

PLUMBING FIXTURE SCHEDULE

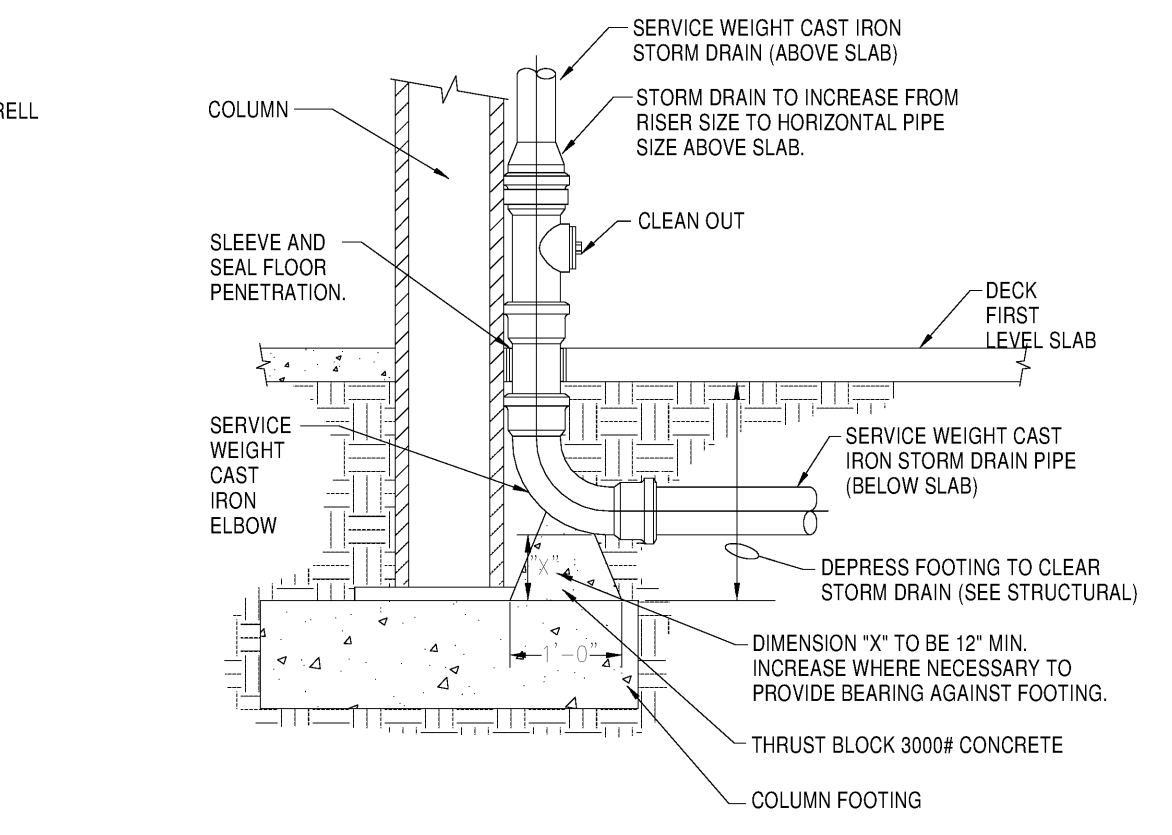
MARK	DESCRIPTION	WASTE	C.W.	H.W.	MOUNTING	REMARKS
DD-1	DECK DRAIN	4"	---	---	DECK	EQUAL TO ZURN KZ37, 18" SQUARE PARKING DECK DRAIN, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, HEAVY-DUTY GASKETED DRAIN SUPPORT FLANGE, WITH HEAVY-DUTY SLOTTED GRATE.
FD-1	FLOOR DRAIN	4"	---	---	FLOOR	EQUAL TO ZURN KZ415 B. FLOOR DRAIN, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, TYPE B POLISHED NICKLE BRONZE, LIGHT-DUTY STRAINER, PROVIDE WITH SURE SEAL TRAP PROTECTION.
FS-1	FLOOR SINK	4"	---	---	FLOOR	EQUAL TO ZURN KZ190, RECEPTOR 12" X 12" X 6" DEEP CAST IRON BODY AND SQUARE LIGHT-DUTY GRATE WITH 1/2" SLOTTED OPENING, WITH INTERIOR BOTTOM DOME STRAINER.

KEYED NOTES:

- SEE CIVIL FOR CONTINUATION.
- FIRE PROTECTION SERVICE MAIN, CAP WITHIN MECHANICAL ROOM. SLEEVE AND SEAL WALL PENETRATION.
- DOMESTIC WATER SERVICE MAIN, CAP WITHIN MECHANICAL ROOM. SLEEVE AND SEAL WALL PENETRATION.
- 2" SANITARY SEWER VENT STUBBED OUT ABOVE FLOOR.
- SANITARY SEWER BRANCH LINE STUBBED OUT ABOVE FLOOR.
- 2" SUMP PUMP DRAIN LINE ROUTED FROM ELEVATOR SUMP BELOW SLAB TO STUB UP ABOVE FLOOR IN MECHANICAL CLOSET.
- PARKING DECK STORM DRAIN LINE.
- 4" STORM DRAIN RISER, STUBBED OUT ABOVE FLOOR. INCREASE SIZE TO 5" ABOVE FLOOR BEFORE PIPE TURNS HORIZONTAL.
- ROOF PRIMARY STORM DRAIN LINE.
- 4" STORM DRAIN RISER STUBBED OUT ABOVE FLOOR.
- 3" STORM DRAIN RISER STUBBED OUT ABOVE FLOOR.



2 SUMP PUMP
 P0.01 NOT TO SCALE



3 TYPICAL STORM DRAIN RISER
 P0.01 NOT TO SCALE

WITTENBERG, DELONY & DAVIDSON ARCHITECTS

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FIRST NATIONAL BANK
HILLTOP BRANCH & OFFICE BUILDING
 3500 East Johnson Avenue, Jonesboro, Ar

CONTENT
UNDERGROUND PLUMBING PACKAGE

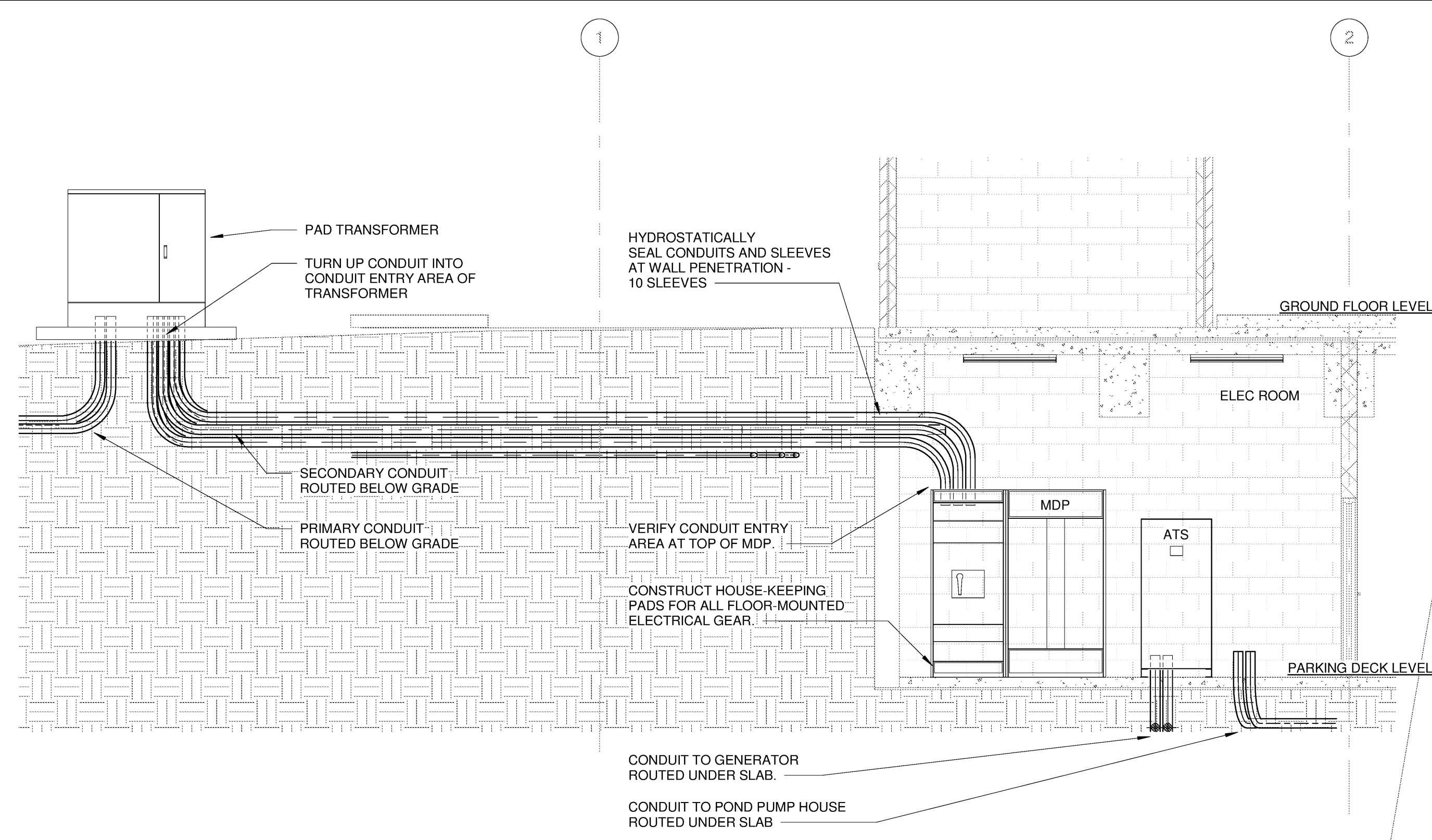
REVISION

REV. NO.	DATE	DESCRIPTION
09-19-2016		

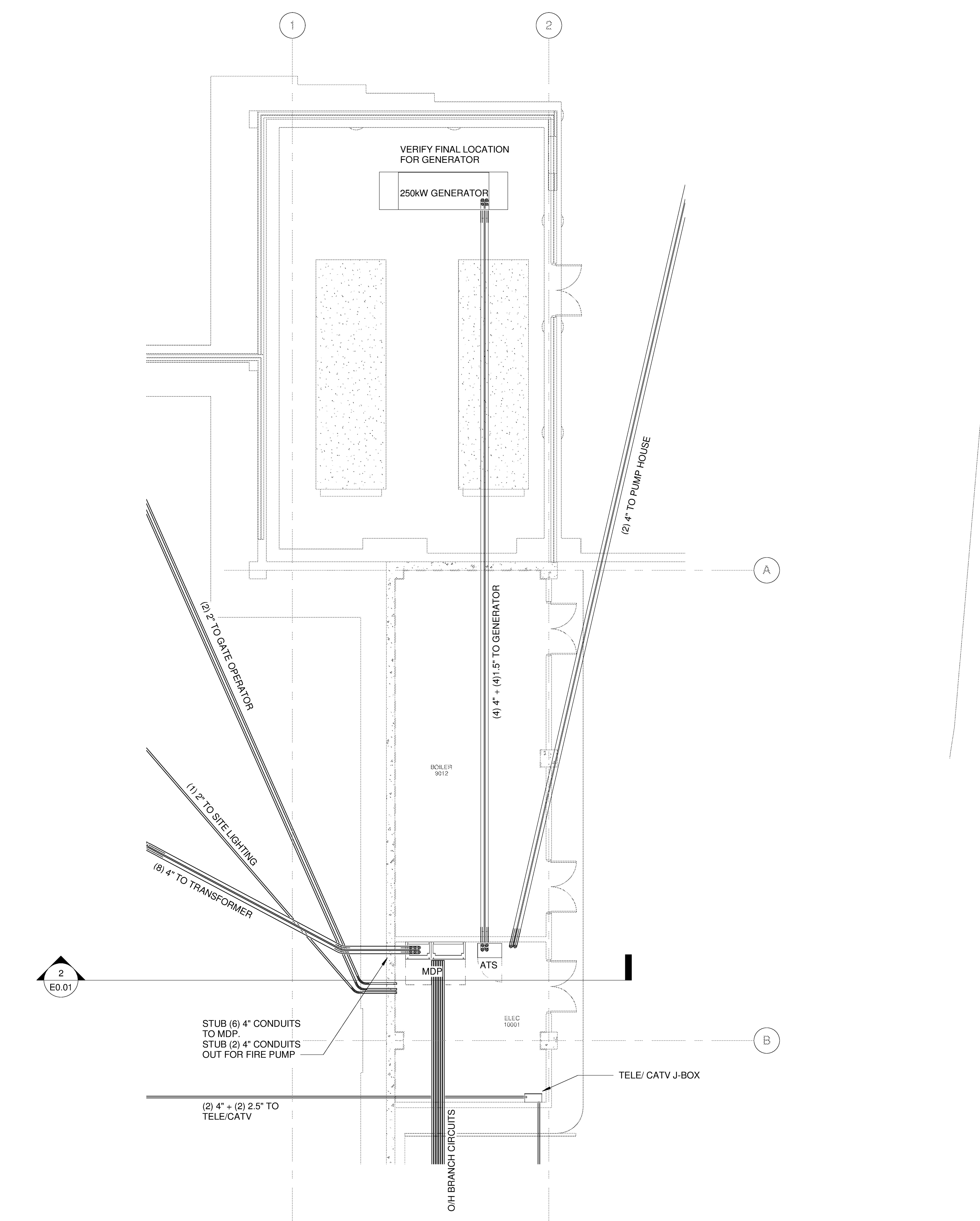
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P0.01

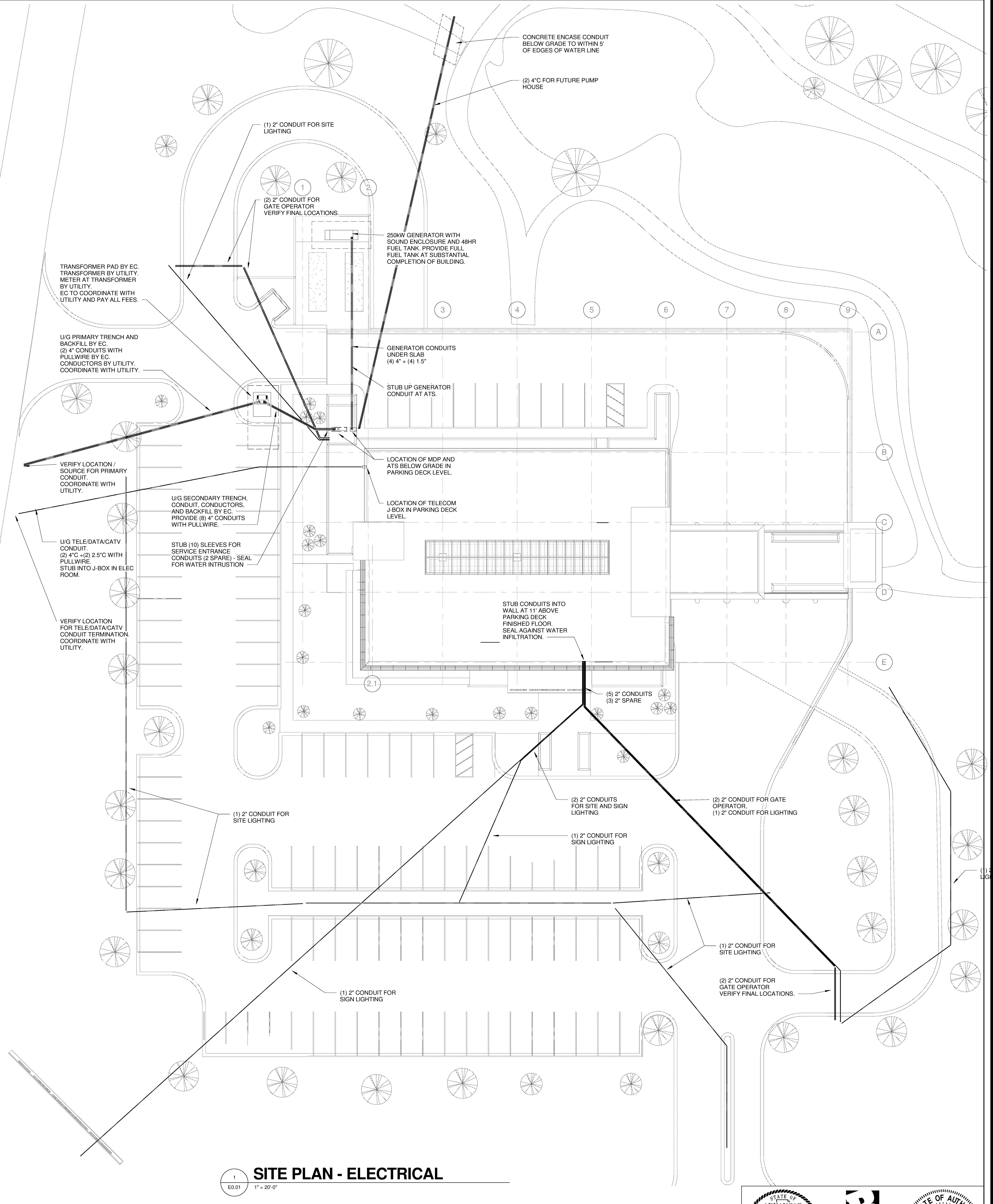
Arkansas Engineering Solutions
 1300 Brookwood Drive
 Little Rock, Arkansas 72202
 501.686.2011
 www.aesolutions.com



SECTION - ELECTRICAL SERVICE ENTRANCE
 2 E0.01 1/4" = 1'-0"



PARTIAL PARKING LEVEL POWER PLAN
 3 E0.01 1/8" = 1'-0"



SITE PLAN - ELECTRICAL
 1 E0.01 1" = 20'-0"

Professional Engineer Seal for Edward J. Jolly, No. 99, State of Arkansas. Batson Inc. Engineering Solutions, 1300 Brookwood Drive, Little Rock, Arkansas 72202, 501-986-2011, www.batson.com.

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