

3/14/12 4:42 PM 01 SHEET SIZE

ABBREVIATIONS:

Table of abbreviations for construction terms, including ANCHOR BOLT, AIR CONDITIONER, AMERICAN CONCRETE INSTITUTE, etc.

NON-STRUCTURAL ITEMS SHOWN ON THE STRUCTURAL/FOUNDATION DRAWINGS

1. THE FOLLOWING NON-STRUCTURAL ITEMS MAY BE SHOWN ON THE STRUCTURAL AND/OR FOUNDATION DRAWINGS FOR THE PURPOSE OF CLARITY IN INTERFACE WITH STRUCTURAL AND/OR FOUNDATION WORK. ITEMS BELOW MAY NOT BE FULLY DEFINED ON THE STRUCTURAL/FOUNDATION DRAWINGS. THE INFORMATION FOR NON-STRUCTURAL ELEMENTS IS FURNISHED BY OTHER CONSULTANTS AS LISTED BELOW. ALL REF AND SHOP DRAWINGS RELATED TO THESE NON-STRUCTURAL ITEMS SHALL BE SUBMITTED TO THE CONSULTANTS LISTED BELOW FOR THEIR REVIEW AND APPROVAL.

GEOTECHNICAL ENGINEER:
- FOUNDATION/UNDERSLAB WATERPROOFING, DAMPROOFING SYSTEMS
- WALL DRAINAGE SYSTEM
- ROCK ANCHORS
- CAISSONS AND PILES, INCLUDING REINFORCEMENT
- ROCK CONTOURS

ARCHITECT OF RECORD:
- SUMP PITS
- WATERPROOFING/DAMP-PROOFING APPLIED TO EXPOSED SURFACES, ELEVATOR OR SUMP PIT INTERIOR SURFACES
- PAINT
- FIREPROOFING
- CONCRETE CURBS: HEIGHT, WIDTH, EXTENT, LOCATION
- BRICK, BLOCK, TILE MASONRY, METAL PANELS, PRECAST FACADE PANELS, CURTAIN WALLS AND ALL OTHER FACADE SYSTEMS
- ROOFING SYSTEMS, DRAIN LOCATIONS, SLOPES TO DRAINS
- FILLS, INSULATION, PAVERS OR GRAVEL
- FLOATING/SECONDARY SLABS

CONTROLLED INSPECTIONS

Table with columns: (TERMINOLOGY PER CURRENT TR-1) SPECIAL INSPECTION, CURRENT CODE REFERENCES, (PREVIOUS TERMINOLOGY) "CONTROLLED INSPECTION".

* THESE TESTS MUST BE PERFORMED BY A LICENSED CONCRETE TESTING LAB.

NOTES:

- 1. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SCOPE AND DETAILED REQUIREMENTS FOR INSPECTIONS.
2. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN APPROVED SPECIAL INSPECTION AGENCY ACCEPTABLE TO THE ENGINEER OF RECORD.
3. REPORTS OF RESULTS SHALL BE SUBMITTED TO THE OWNER AND ARCHITECT FOR REVIEW. SIGNED COPIES OF ALL TESTS AND INSPECTION REPORTS SHALL BE FILED WITH THE BUILDING DEPARTMENT (THROUGH THE APPLICANT).
4. REPORTS SHALL STATE WHETHER RESULTS COMPLY WITH CONTRACT REQUIREMENTS, SUMMARIZE THE TYPE OF TEST, THE LOCATION OR COMPONENT TESTED, AND RECOMMEND ANY REMEDIAL MEASURES REQUIRED. REPORT SHOULD NOTE ANY OTHER DEVIATIONS FROM THE CONTRACT DOCUMENTS.
5. FOR ITEMS OF WORK OF OTHER TRADES WHICH ARE SUBJECT TO SPECIAL INSPECTION, SEE THE CITY OF NEW YORK BUILDING CODE, AS WELL AS ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC. DRAWINGS AND SPECIFICATIONS.

PILE NOTES:

- 1. FOUNDATION DESIGN AND PILE STRENGTH ARE BASED ON GEOTECHNICAL REPORT BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C. DATED JANUARY 2, 2014.
2. PILE CAPACITIES SEE DWG. FO-100.
3. PILE INSTALLATION TO BE SUPERVISED BY A LICENSED PROFESSIONAL ENGINEER.
4. PILE DRIVING INSTALLATION TO BE IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE CHAPTER 18, AND ARE SUBJECT TO SPECIAL INSPECTION IN ACCORDANCE WITH N.Y.C. BUILDING CODE CHAPTER 17.
5. A PLAN SHOWING THE IDENTIFICATION OF ALL PILES AND A CAISSONS NUMBERING PLAN ARE TO BE SUBMITTED TO THE ENGINEER OF RECORD FOR FILING WITH THE BUILDING DEPARTMENT, PRIOR TO COMMENCEMENT OF INSTALLATION OPERATIONS.
6. LOAD TESTS TO BE PERFORMED AS PER THE REQUIREMENTS OF THE 2008 NEW YORK CITY BUILDING CODE. LOCATION OF TEST PILES TO BE APPROVED BY THE ENGINEER OF RECORD.
7. ALL PILE GROUPS AND PILE CAPS TO BE CONCENTRIC WITH COLUMNS ABOVE UNLESS OTHERWISE NOTED ON PLAN.
8. RECORDS OF PENETRATION OF EVERY PILE, AND THE BEHAVIOR OF SAME DURING INSTALLATION ARE TO BE SUBMITTED TO THE ENGINEER OF RECORD.
9. AN PILE LOCATION PLAN AND PILE LOGS ARE TO BE SUBMITTED TO ENGINEER OF RECORD FOR APPROVAL. NO PILE CAPS ARE TO BE PLACED BEFORE THIS IS DONE.

STRUCTURAL STEEL NOTES:

- 1. STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE. ALL STEEL TO BE ASTM A992 FOR ROLLED SECTIONS & A572 FOR PLATES HAVING A MINIMUM YIELD OF 50,000 PSI U.O.N.
2. ALL STRUCTURAL RECTANGULAR AND SQUARE HSS TO BE A500 GR. B (Fy = 48KSI) STRUCTURAL ROUND HSS TO BE A500 GR. B (Fy = 48KSI) STRUCTURAL CHANNELS TO BE A36 (Fy = 36KSI) ANCHOR BOLTS TO BE F1554 GR. 55 WELDABLE (Fy = 58KSI) STRUCTURAL ANGLES TO BE A36 (Fy = 36KSI) ALL PLATES SHALL BE ASTM A572 GR. 50 (Fy=50 ksi) U.O.N.
3. AISCC SPECIFICATIONS FOR "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS LOAD AND RESISTANCE FACTOR DESIGN (LRFD)- LATEST EDITION SHALL APPLY, EXCEPT AS MODIFIED BY THE NOTES, SCHEDULES AND DETAILS SHOWN ON THE STRUCTURAL DRAWINGS OR ANY RESTRICTIVE REQUIREMENTS OF THE CODES REGULATIONS.
4. THE FRAME SHALL BE CARRIED UP TRUE AND PLUMB AND TEMPORARY BRACING SHALL BE INTRODUCED WHEREVER NECESSARY TO TAKE CARE OF ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING EQUIPMENT AND OPERATION OF SAME. SUCH BRACING SHALL BE THE RESPONSIBILITY OF THE STEEL CONTRACTOR AND SHALL BE LEFT IN PLACES AS LONG AS REQUIRED FOR SAFETY.
5. ALL CONNECTIONS SHALL BE IN ACCORDANCE WITH AISCC SPECIFICATIONS.
6. ALL WELDED CONNECTIONS SHALL CONFORM TO THE CITY OF NEW YORK BUILDING CODE. PROVISIONS SHALL BE MADE FOR FIELD INSPECTION AND TESTING OF WELDS. ALL SHOP WELDS SHALL BE TESTED BY ANY OF APPROVED METHODS AND SHALL BE CERTIFIED.
7. ALL BOLT STEEL SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS, LATEST EDITION: STRUCTURAL STEEL LEFT UNPAINTED BECAUSE OF WELDING, OR BOLTING SHALL RECEIVE A FIELD APPLICATION OF METAL PROTECTION.
12. THE USE OF A CUTTING TORCH IN THE FIELD WILL NOT BE PERMITTED.
14. WELDING ELECTRODES SHALL CONFORM TO E70XX ELECTRODES, U.O.N.
15. CONTRACTOR SHALL PROVIDE STIFFENERS PER CHAPTER K OF AISCC SPECIFICATION LRFD REGARDING THE NEED FOR COLUMN STIFFENERS.
16. ALL WELDERS TO BE LICENSED BY THE STATE OF NEW YORK BUILDING DEPT.
17. STRUCTURAL STEEL SHALL RECEIVE ONE COAT OF PAINT, ZINC OR BITUMINOUS COATING OR EQUIVALENT METAL PROTECTION BEFORE ERECTION AS SPECIFIED. PARTS OF STRUCTURAL STEEL LEFT UNPAINTED BECAUSE OF WELDING, OR BOLTING SHALL RECEIVE A FIELD APPLICATION OF METAL PROTECTION.
18. STRUCTURAL STEEL THAT WILL REMAIN EXPOSED TO VIEW SHALL RECEIVE AN ADDITIONAL COAT OF METAL PROTECTION OF ANOTHER COLOR AFTER ERECTION.
19. THE CONTRACTOR MUST SUBMIT STRUCTURAL STEEL SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW. NO CONSTRUCTION IS TO BE STARTED UNTIL THE SHOP DRAWINGS HAVE BEEN APPROVED BY THE ENGINEER.
20. ALL CAMBERS SPECIFIED ON THE DRAWINGS ARE REFERRING TO THE BEAM CAMBER MEASURED IN THE FIELD PRIOR TO SLAB/WALL CONCRETE POUR INCLUDING ALL TOLERANCES.
21. IN ADDITION TO MOMENT CONNECTIONS, PROVIDE AISCC STANDARD SHEAR CONNECTIONS FOR ALL GRAVITY AND WIND LOADS.

- 22. DESIGN OF ALL TEMPORARY STEEL COLUMN BRACING REQUIRED DURING ERECTION SHALL BE THE RESPONSIBILITY OF THE STEEL CONTRACTOR.
23. ALL STEEL BEAMS AND COLUMNS SHALL BE SPRAY FIREPROOFED U.O.N ON ARCH. DWGS. AND SPECS. (WITH THE EXCEPTION OF COLUMNS & BEAMS ENCASED IN CONCRETE) SEE ARCH. DRAWINGS FOR APPROPRIATE DETAILS.
24. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND BE RESPONSIBLE FOR ADEQUATE COORDINATION. DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT OR ENGINEER OF RECORD BEFORE PROCEEDING.
25. PRIOR TO INSTALLATION OF ANCHOR BOLTS OR ANY DRILLING OF EXISTING SLAB, BEAM, WALL OR COLUMN, LOCATION OF EXISTING REINFORCING SHALL BE IDENTIFIED. NO EXISTING CONSTRUCTION.
26. ALL BEAM SPLICES, IF REQUIRED SHALL BE DONE AT CONTRACTOR'S EXPENSE.
27. ALL PIPING AND DUCT WORK TO BE HUNG FROM BEAMS ONLY.
28. ALL BOLTS EXPOSED TO THE WEATHER SHALL BE GALVANIZED ASTM A325.
29. FOR CLARITY, CONNECTION DETAILS MAY NOT BE SHOWN ON THE CONTRACT DOCUMENTS. NUMBER OF BOLTS SHOWN, WELD SIZE AND LENGTH ARE INDICATIVE ONLY. THE ACTUAL CONNECTIONS SHALL BE DESIGNED BY THE STRUCTURAL STEEL FABRICATOR P.E. BASED ON THE LOAD CRITERIA SHOWN ON THE CONTRACT DOCUMENTS. WHERE LOAD CRITERIA ARE NOT INDICATED, CONNECTION SHALL DEVELOP THE MEMBER CROSS SECTION IN TENSION.
30. THE FOLLOWING CONNECTIONS ARE REQUIRED TO BE HIGH STRENGTH SLIP-CRITICAL: ALL COLUMN SPLICES, CONNECTIONS OF BEAMS TO COLUMNS, ALL MOMENT CONNECTIONS, CONNECTIONS WITHIN THREE FEET OF COLUMNS, CONNECTIONS OF OR TO DIAGONAL MEMBERS, POSTS, HANGERS, BEAMS AND GIRDERS SUPPORTING COLUMNS, POSTS OR HANGERS, ALL CBF AND EBF MEMBERS, ALL BEAMS CARRYING MACHINE LOADS, ALL SLIP CRITICAL CONNECTIONS SHALL USE SHEAR CAPACITY WHERE SLIP IS A STRENGTH LIMIT-STATE UNLESS OTHERWISE APPROVED BY THE E.O.R.
31. CHARY V-NOTCH (CVN) REQUIREMENTS FOR ALL MEMBERS: FOR ROLLED SHAPES GROUP 1, 4, 5, OR W/FLANGES 1 1/2" THICK AND THICKER AND PLATES ETOAL 2" (SM. TO DETAIL 2.75"-5.11") SHALL HAVE 2-1/2" WEEP HOLES AT 24" O.C. AT BOTTOM FLANGE U.O.N.
32. ALL HORIZONTAL HSS MEMBERS SHALL HAVE 1/2" WEEP HOLES AT 24" O.C. AT BOTTOM FLANGE U.O.N. ALL HORIZONTAL ROLLED SECTIONS + PLATES SHALL BE DESIGNED TO HAVE 2-1/2" WEEP HOLES AT 24" O.C. AT BOTTOM FLANGE U.O.N.
33. WHEN MULTIPLE LOADS PROVIDED FOR THE DESIGN OF ONE CONNECTION, THE CONNECTION COMPONENTS (SUCH AS PLATES, BOLTS, WELDS ETC.) SHALL BE DESIGNED FOR THE COMBINATION THAT RESULTS IN THE HIGHEST DEMAND FOR EACH COMPONENT.
34. ALL ERECTION STEEL AND/OR STRUCTURAL STEEL EMBEDDED IN CONCRETE WALLS SHALL HAVE MIN. 3" CLEAR CONCRETE COVER. NOTIFY EOR WHERE THIS REQUIREMENT IS NOT MET.
35. ALL LOADS INDICATED ON THE DRAWINGS ARE REVERSIBLE UNLESS IF NOT STATED SO.
36. IT IS NOT ACCEPTABLE TO RUN CONDUITS AND OTHER UTILITIES WITHIN THE CONCRETE SLABS UNLESS SPECIFICALLY APPROVED BY THE EOR IN WRITING.
37. OPENINGS THROUGH STRUCTURAL MEMBERS SHALL NOT ALLOWED UNLESS SPECIFICALLY SHOWN ON THE TRUCTURAL DRAWINGS OR APPROVED IN WRITING BY THE EOR.

CAISSON NOTES:

- 1. THE DESIGN AND INSTALLATION OF CAISSONS, CAISSONS CAPS, AND RELATED CONSTRUCTION IS TO CONFORM TO THE REQUIREMENTS SET FORTH IN THE NEW YORK CITY BUILDING CODE AND THE SPECIFICATIONS.
2. FOR DRILLED CAISSONS SEE PLAN.
3. CAISSON ROCK SOCKETS TO BE VIDEO INSPECTED BY A LICENSED PROFESSIONAL ENGINEER. CAISSON OPERATIONS TO BE IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE, AND ARE SUBJECT TO SPECIAL INSPECTION IN ACCORDANCE WITH THE 2008 NEW YORK CITY BUILDING CODE.
4. A PLAN SHOWING THE IDENTIFICATION OF ALL CAISSONS AND A CAISSONS NUMBERING PLAN IS TO BE SUBMITTED TO THE ENGINEER OF RECORD FOR FILING WITH THE BUILDING DEPARTMENT PRIOR TO COMMENCEMENT OF DRILLING OPERATIONS.
5. LOAD TESTS SHALL BE PERFORMED AS PER THE REQUIREMENTS OF PROJECT TECHNICAL SPECIFICATIONS SECTION 316333. LOCATION OF TEST CAISSONS TO BE APPROVED BY THE ENGINEER OF RECORD.
6. ALL CAISSON GROUPS AND CAISSON CAPS TO BE CONCENTRIC WITH COLUMNS AND WALLS ABOVE UNLESS OTHERWISE NOTED ON PLAN.
7. RECORDS OF PENETRATION OF EVERY CAISSON AND THE BEHAVIOR OF SAME DURING DRILLING ARE TO BE SUBMITTED TO THE ENGINEER OF RECORD.
8. AN "AS-BUILT" CAISSON LOCATION PLAN AND CAISSON LOGS ARE TO BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL. ALL CAISSON CAPS ARE TO BE PLACED BEFORE THIS IS DONE.
9. CAISSON LENGTH COULD VARY DUE TO ACTUAL SOIL AND ROCK CONDITION.
10. FOR CAISSON DETAILS AND DESIGN REFER TO GEOTECHNICAL CONSULTANT REPORT AND SPECIFICATIONS IN FO-200.
11. FOR CAISSON DETAILS AND DESIGN REFER TO GEOTECHNICAL CONSULTANT REPORT AND SPECIFICATIONS IN FO-200.

GENERAL NOTES:

- 1. ALL WORK TO BE PERFORMED IN COMPLIANCE WITH THE NEW YORK CITY BUILDING CODE, 2008 EDITION AND ALL SUPPLEMENTS.
2. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD AND BE RESPONSIBLE FOR ACCURATE COORDINATION WHERE POSSIBLE. EXISTING FRAMING DIMENSIONS WAS TAKEN FROM EXISTING DWGS. AND SHALL BE VERIFIED ON SITE. DISCREPANCIES SHALL BE REPORTED TO ARCH. AND ENGINEER BEFORE PROCEEDING.
3. THE CONTRACTOR SHALL USE THESE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL AND MECHANICAL DEMOLITION DRAWINGS. IN THE EVENT OF CONFLICTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND THE ENGINEER.

A. EXCAVATION NOTES:

- 1. ALL FOUNDATIONS SHALL BEAR ON PILES AND CAISSONS (SEE PILE AND CAISSON NOTES)
2. WHERE EXISTING FOUNDATIONS OF ADJACENT PROPERTY IS LOWER THAN ELEVATIONS SHOWN, NEW MAT FOUNDATION IS TO BE LOWERED TO SAME ELEVATION. WHERE NEW MAT FOUNDATION IS LOWER THAN EXISTING CONTRACTOR IS TO ESTABLISH EXISTING CONDITIONS BEFORE FOUNDATIONS, COMMENCING WORK AND NOTIFY THE ENGINEER.
3. ALL UNDERPINNING, SHEETING, SHORING OR OTHER CONSTRUCTION REQUIRED FOR THE SUPPORT OF ADJACENT PROPERTIES, BUILDINGS, SIDEWALKS, UTILITIES, ETC., SHALL BE SUBJECT TO SPECIAL INSPECTION AS REQUIRED BY THE CODE. THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER ACCEPTABLE TO THE ENGINEER OF RECORD TO DESIGN THE EXCAVATION SUPPORT/ UNDERPINNING SYSTEM. THE OWNER SHALL RETAIN A THIRD PARTY AGENCY TO PERFORM THE REQUIRED SPECIAL INSPECTION. THE CONTRACTOR'S PROFESSIONAL ENGINEER SHALL PREPARE AND FILE THE REQUIRED FORMS FOR THE WORK WITH THE BUILDING DEPARTMENT.

B. CONCRETE AND STEEL REINFORCEMENT

- 1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, U.O.N, AND COMPLY WITH A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE.
2. CONCRETE STRENGTH SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
-FOUNDATION PIERS, PILE CAPS 8600 PSI
-BUTRESSES AND FOUNDATION WALLS 8600 PSI MIN. "SEE COLUMN SCHEDULE"
-COLUMN PIERS IF ANY 8600 PSI MIN. "SEE COLUMN SCHEDULE"
-SLAB ON GROUND 8600 PSI
FOUNDATION WALLS AND BUTRESSES CAST INTEGRALLY WITH SHEAR WALLS 8600 PSI. SEE PLAN.
3. THE CONCRETE MODULUS OF ELASTICITY (M.O.E.) FOR THE FOLLOWING MIX DESIGNS SHALL BE TESTED AT 56 DAYS UNDER 20X SUSTAINABLE LOAD PER ASTM C 469. THE M.O.E. TESTS SHALL BE DONE AS PART OF THE MIX DESIGN SUBMITTAL AS WELL AS PERIODIC TEST DURING CONSTRUCTION, ONE FOR EACH 500 CU. YD. OF CONCRETE.
fc = 12,000 PSI; M.O.E. = 6,650 KSI (SEE COLUMN SCHEDULE)
(THE MIX DESIGN SHALL MEET A MINIMUM OF BOTH THE REQUIRED fc AND THE MODULUS OF ELASTICITY. IN ORDER TO SATISFY THE DESIRED M.O.E., THE fc MAY BE HIGHER THAN INDICATED ABOVE.)
THE MODULUS OF ELASTICITY (MOE) SHALL BE TESTED PER ASTM C469 AS EXPLAINED BELOW: EACH MOE TEST SHALL BE THE AVERAGE OF TWO CYLINDER SAMPLES. AS PART OF THE MIX DESIGN SUBMITTAL ONE TEST AT 28 AND 56 DAYS. DURING CONSTRUCTION ONE TEST AT 14, 28 AND 56 DAYS FOR THE FIRST FLOOR MIX OF MIX DESIGN APPLICATION AND ONE TEST AT EACH SUBSEQUENT FLOOR AT 56 DAYS.

- 4. ALL STEEL REINFORCEMENT SHALL HAVE AN ULTIMATE TENSILE STRENGTH OF 90,000 PSI AS PER A.S.T.M. A615-00 GRADE 60, A.S.T.M. A775-01 FOR EPOXY COATED REINFORCING BARS, AND A.S.T.M. A884-99 FOR EPOXY COATED STEEL WIRE AND WELDED WIRE FABRIC FOR REINFORCEMENT. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE NECESSARY CHAIRS, REBARs, TIES, SPACERS, ETC., TO SECURE AND SUPPORT THE REINFORCING WHILE PLACING THE CONCRETE.
5. ALL BARS MARKED CONTINUOUS, SHALL BE LAPPED 36 DIAMETERS AT SPLICES AND CORNERS EXCEPT AS OTHERWISE SHOWN ON PLANS. LAP CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AND BOTTOM BARS AT SUPPORTS. HOOK TOP BARS AT DISCONTINUOUS ENDS.
6. VERTICAL CONSTRUCTION JOINTS IN ALL WALLS SHALL BE USED ONLY IF UNAVOIDABLE, OR UNLESS OTHERWISE NOTED, AND TO BE LOCATED AT LEAST 4'-0" FROM ANY SUPPORTING COLUMN OR WALL OPENING. DISTANCE BETWEEN JOINTS IN WALL SHALL BE 40 FEET MAX. NO HORIZONTAL CONSTRUCTION JOINTS WILL BE ALLOWED IN GRADE BEAMS.
7. IN NO CASE SHALL TRUCKS, BULLDOZERS, OR OTHER HEAVY EQUIPMENT BE PERMITTED CLOSER THAN 8'-0" FROM ANY FOUNDATION WALL UNLESS APPROVED BY THE ENGINEER.
8. TEMPORARY BRACING SHALL BE PROVIDED FOR ALL BUTRESSES, WHERE BUTRESSES DO NOT EXIST OR SPACING BETWEEN BUTRESSES EXCEED 25 FEET, AND WHERE THE DIFFERENCE IN LEVEL BETWEEN INSIDE AND OUTSIDE GRADE IS MORE THAN 4'-0". INTERMEDIATE BRACING SHALL BE PROVIDED. WHERE RAMPS OCCUR, THE GRADE ELEVATION OUTSIDE OF RAMP WALLS SHALL BE USED IN FIGURING THE DIFFERENCE IN LEVEL. CORNER BUTRESSES NEED NOT BE BRACED. NO BACKFILLING IS TO BE DONE BEFORE ALL SLABS BRACING WALLS ARE IN PLACE UNLESS APPROVED BY THE ENGINEER. PROVIDE TEMPORARY BRACING FOR ALL PIERS AND SUMP PITS.

LEGEND:

- a. * INDICATES ADDITIONAL WIND BARS
b. [...] INDICATES THE BOTTOM OF FOUNDATION WALL ELEVATION
c. <-> INDICATES THE TOP OF FOUNDATION WALL ELEVATION
d. (...) INDICATES BOTTOM OF PILE CAP ELEVATION
e. (XXXX) INDICATES SIZE OF PIER IN INCHES, FIRST DIMENSION SHOWN IS IN THE EAST-WEST DIRECTION.
f. + INDICATES ROCK ANCHOR.
g. - - - INDICATES ADDITIONAL TOP REINFORCEMENT AT SUPPORTS
h. - - - INDICATES ADD' BOTTOM REINFORCING AT SUPPORTS
i. - - - INDICATES ADDITIONAL TOP REINFORCEMENT CONTINUOUS BETWEEN SUPPORTS
j. - - - INDICATES ADDITIONAL BOTTOM REINFORCEMENT CONTINUOUS BETWEEN SUPPORTS
k. - - - INDICATES ORDER OF BAR PLACEMENT AS SHOWN ON PLAN.
l. 1# & 4# LAYERS
m. 2# & 3# LAYERS
n. INDICATES CHANGE IN ELEVATION
o. INDICATES CONCRETE COLUMN/SHEARWALL/FOUNDATION WALL
p. INDICATES CONCRETE COLUMN/SHEARWALL BELOW
q. INDICATES CONCRETE WALL
r. INDICATES SLAB OPENING INDICATES SLAB OPENING AND/OR SLOT OR ZONE FOR SLEEVES (FIRST DIMENSION IS IN EAST-WEST DIRECTION)
s. INDICATES COLUMN ABOVE OR BELOW
t. XX INDICATES COLUMN DESIGNATION
u. P INDICATES STOP DESIGNATION
v. SW-X INDICATES SHEARWALL DESIGNATION
w. INDICATES MOMENT CONNECTION FOR FULL PLASTIC CAPACITY OF MEMBER U.O.N. CANTILEVER BEAM SIZE TO MATCH BACK SPAN
x. INDICATES FULL HEIGHT STIFFENER.

- 9. CONTRACTOR TO INSTALL ALL PIPE SLEEVES, BOXED OPENINGS, ANCHOR BOLTS, ETC., AS REQUIRED FOR THE VARIOUS TRADES. WALL POCKETS TO RECEIVE BEAMS AND SLABS SHALL BE PROVIDED AS REQUIRED FOR THE SUPERSTRUCTURE. SHOP DRAWINGS SHOWING THE POSITION OF OPENINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.
10. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 3/4" FOR INTERIOR SLABS AND INTERIOR WALL SURFACES; 1 1/2" FOR BEAMS, GIRDERS, AND COLUMNS (TIES, STIRRUPS OR PRIMARY REINFORCEMENT). FOR ALL CONCRETE EXPOSED TO WEATHER AND EARTH FILL, COVER SHALL BE 2" (1 1/2" FOR STIRRUPS). FOR CONCRETE PLACED AGAINST EARTH, MINIMUM COVER SHALL BE 3".
11. THE CONTRACTOR MUST SUBMIT REINFORCING SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW. NO CONSTRUCTION IS TO BE STARTED UNTIL THE SHOP DRAWINGS ARE REVIEWED BY THE ENGINEER.
12. THE STRUCTURAL ENGINEER OR HIS FIELD QUALIFIED REPRESENTATIVE MUST CHECK AND APPROVE ALL STEEL REINFORCING PRIOR TO CONCRETE PLACEMENT.
13. ALL VERTICAL #1 REINF. SHALL BE GRADE 75. THE DEVELOPMENT / SPLICE LENGTH FOR GRADE 75 STEEL SHALL BE 1.25 X LENGTH OF THE GRADE 60 STEEL.

C. CODES AND TESTS

- 1. THIS STRUCTURE HAS BEEN DESIGNED UNDER THE PROVISIONS OF THE NEW YORK CITY BUILDING CODE AS AMENDED AND A.C.I. 318.
2. ALL CONTROLLED CONCRETE SHALL COMPLY WITH THE A.C.I. 318 BUILDING CODE. APPLICATION FOR CONTROLLED CONCRETE WITH CONCRETE TESTS AND CURVES OF TESTS FOR THE PRELIMINARY DESIGN MIX PREPARED BY AN APPROVED LABORATORY MUST BE SUBMITTED TO THE ENGINEER FOR FILING WITH THE BUILDING DEPARTMENT. NO CONCRETE SHALL BE PLACED WITHOUT THE DESIGN MIX BEING APPROVED BY THE BUILDING DEPARTMENT.
3. DESIGN AND CONSTRUCTION OF FORMWORK IS TO COMPLY WITH THE A.C.I. 318 BUILDING CODE AND NEW YORK CITY BUILDING CODE AS AMENDED.

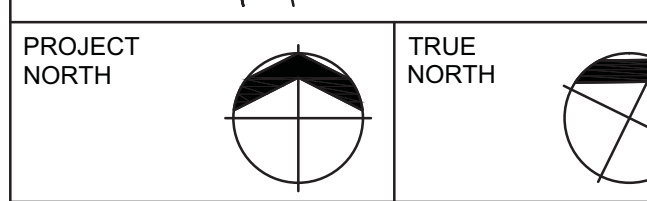
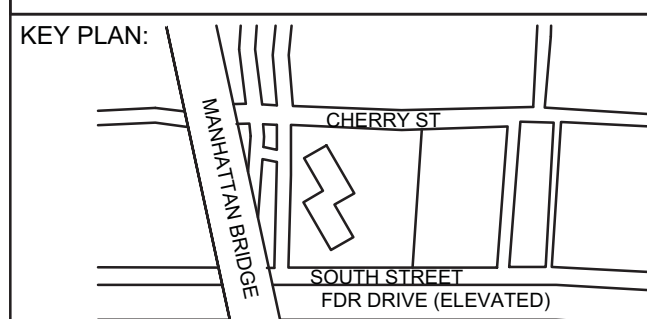
MASONRY NOTES

- 1. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COMPLETE REQUIREMENTS FOR C.M.U. MASONRY CONSTRUCTION AND APPEARANCE. DETAILS AND NOTES SHOWN ON THE STRUCTURAL DRAWINGS ARE INTENDED TO SUPPLEMENT ARCHITECTURAL REQUIREMENTS AND TO DEFINE ELEMENTS WHICH PROVIDE STRUCTURAL STRENGTH AND STABILITY.
2. DETAILS, SECTIONS, SCHEDULES, ETC. AND THESE NOTES, REPRESENT THE MINIMUM REQUIREMENTS FOR STRUCTURAL ADEQUACY. WHERE ARCHITECTURAL REQUIREMENTS DIFFER FROM STRUCTURAL, THE MORE STRINGENT SHALL BE FOLLOWED.
3. CODE: MASONRY WALL CONSTRUCTION SHALL CONFORM TO THE NEW YORK CITY BUILDING CODE AND TO ACI 530/ASCE-5 AS REFERENCED BY THE NYC CODE.
4. MASONRY UNITS SHALL BE LIGHTWEIGHT HOLLOW LOAD BEARING CONCRETE MASONRY (CMU). COMPRESSIVE STRENGTH OF MASONRY F'M SHALL BE A MINIMUM OF 1,900 PSI.
5. MORTAR SHALL BE TYPE M OR S.
6. HORIZONTAL JOINT REINFORCEMENT SHALL BE TRUSS TYPE GALVANIZED COLD-DRAWN STEEL WIRE CONFORMING TO ASTM A 975.
7. PROVIDE HORIZONTAL JOINT REINFORCEMENT IN EVERY OTHER JOINT (16" O.C. VERTICALLY) UNLESS PLANS OR DETAILS CALL FOR OTHER SPACING OR ADDITIONAL REINFORCEMENT.
8. BAR REINFORCEMENT: ASTM A 615 GRADE 60, PER SCHEDULE. FOR ADDITIONAL REINFORCEMENT SEE WALL REINFORCEMENT ELEVATION.
9. ALL CELLS WITH REINFORCEMENT SHALL BE GROUTED SOLID FOR THE FULL EXTENT OF BAR, VERTICAL AND HORIZONTAL.
10. GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI. GROUT SHALL BE "FINE" AS DEFINED BY ASTM C 476.
11. STEEL ANGLES: ASTM A 36. STEEL IN AN EXTERIOR WALL OR EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED. 12. CONTRACTOR SHALL COORDINATE ALL MASONRY WORK WITH WORK OF OTHER TRADES: ARCHITECTURAL, STRUCTURAL, MEP.

LOADING SCHEDULE

Table with columns: OCCUPANCY, PARTITION/FLOOR FINISHES (PSF), CEIL. & MECH. (PSF), LIVE LOAD.

NOTE:
1. LOADS ARE AS SHOWN ABOVE U.O.N. ON PLAN



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER:
MEYER DAVIS
180 Varick St, suite 404
New York, NY 10014
TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
WSP
228 East 45th Street
New York, NY 10017
TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS:
ICOR ASSOCIATES, LLC
485 C Route 1 South, Suite 209
Seelie, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

Table with columns: No., DESCRIPTION, DATE. Includes items like ISSUED FOR DOT, FOUNDATION FILING, etc.

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ALL DIMENSIONS ARE SHOWN IN IMPERIAL

CONSULTANT: WSP

PROJECT:
252 SOUTH STREET
NEW YORK, NY

DRAWING TITLE:

GENERAL NOTES, LEGEND AND ABBREVIATIONS 1

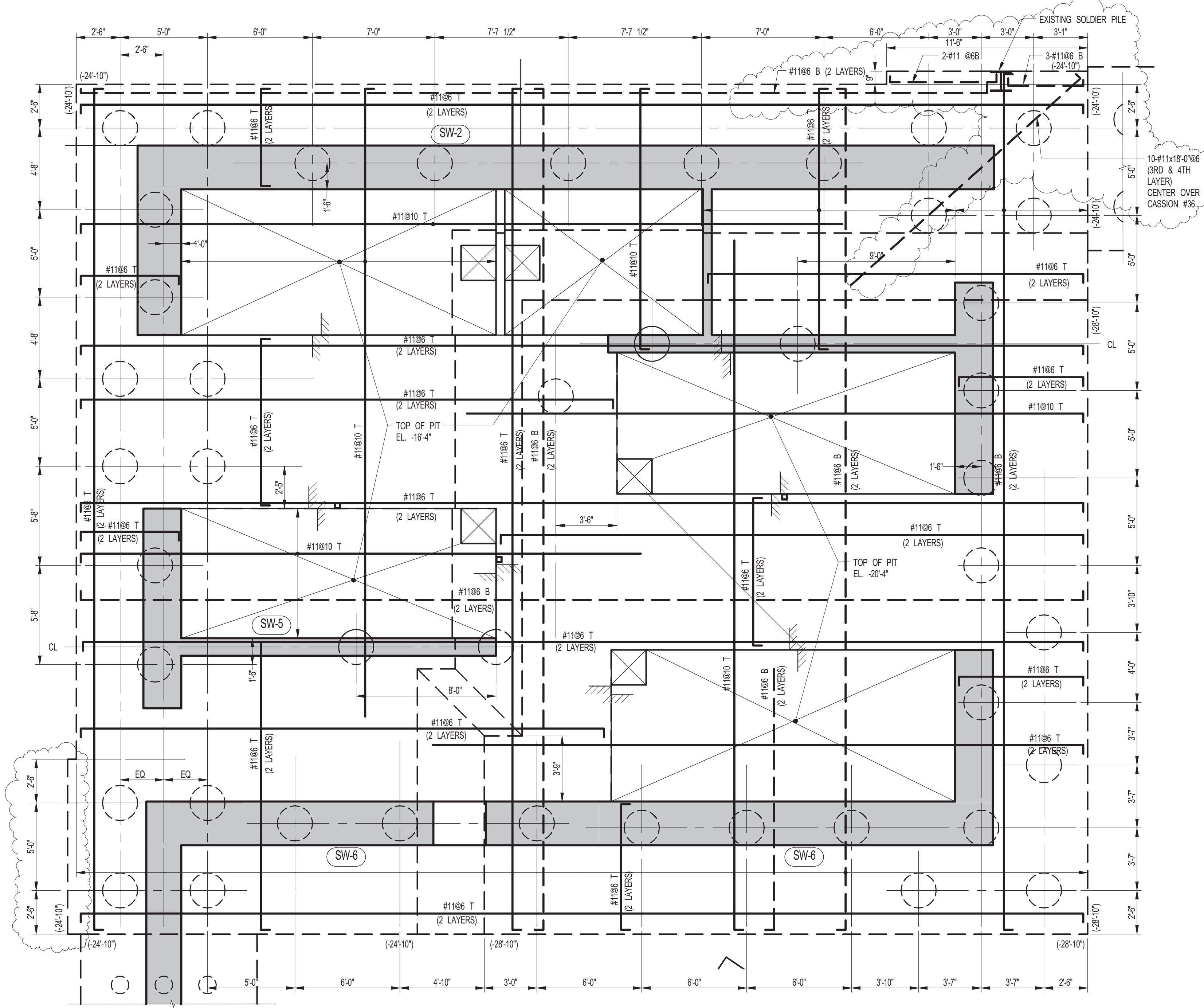
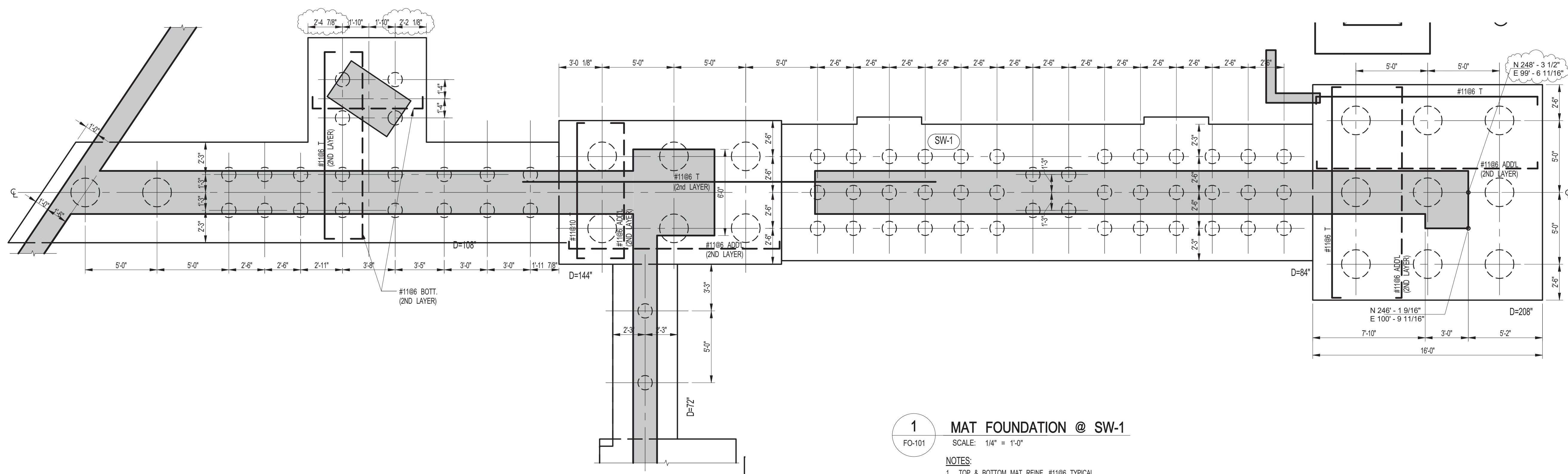
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DATE: 07/25/14
PROJECT No: 1302510
DRAWN: CAD REV:
CHK: CL
SCALE: N.T.S.
DWG No:
DOB PAGE No: of

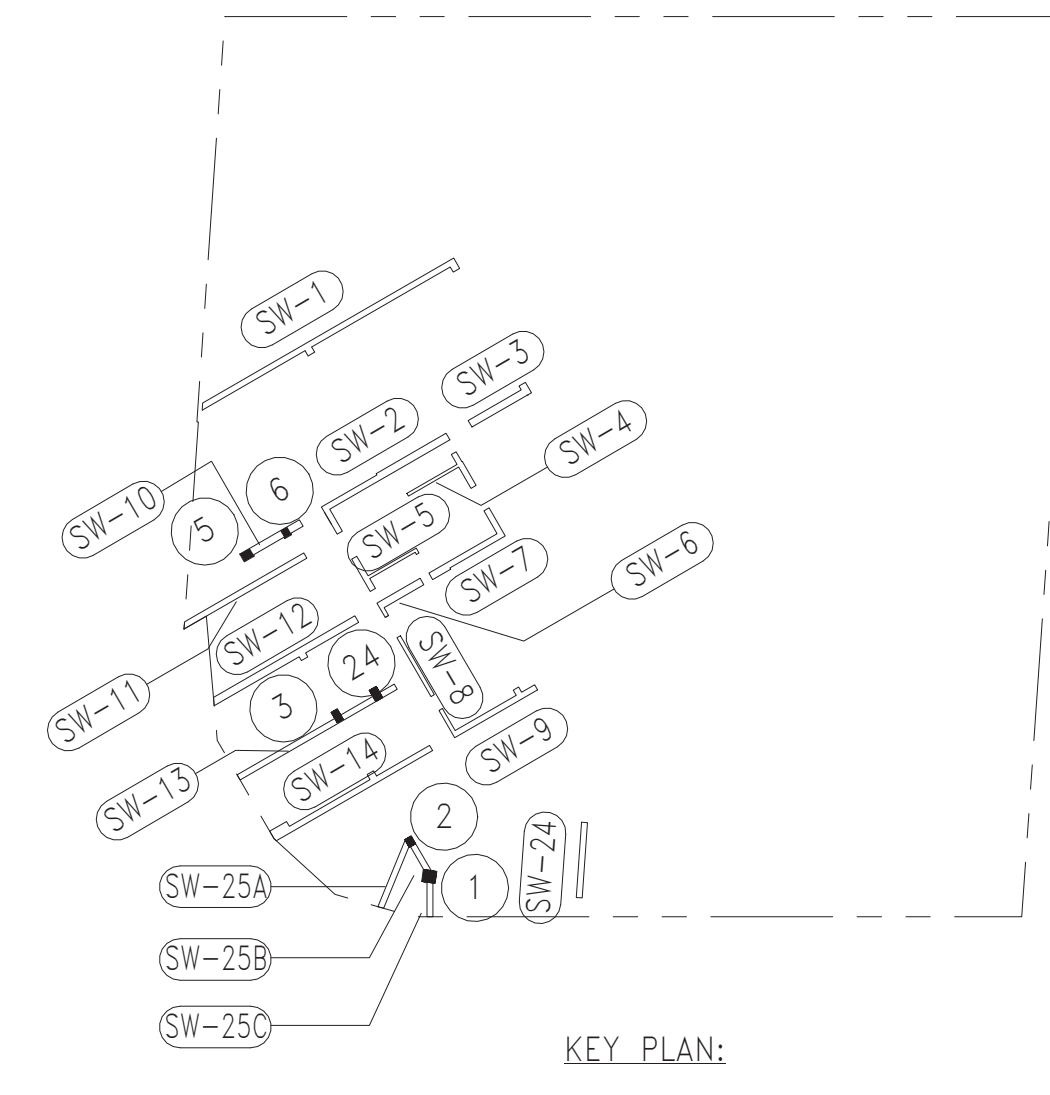
DOB EMPLOYEE STAMP: DOB B-SCAN:

Damian Titus Building APPROVED Under Directive 2 of 1975 EXEMPT FROM SEALS AND STAMPS Date: 04/11/2016 NYC Development Hub

FILE NAME: 3/14/12 4:42 PM 01 SHEET DATE:



- LEGEND:**
- INDICATES 1500 TON CAISSON
 - INDICATES 200 TON PILE



KEY PLAN:

PROJECT NORTH TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER:
MEYER DAVIS
180 Varick St, suite 404
New York, NY 10014
TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST 9 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
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228 East 45th Street
New York, NY 10017
TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS:
ICOR ASSOCIATES, LLC
485 C Route 1 South, Suite 200
Iselme, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | 50% DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 7 | DESIGN DEVELOPMENT | 10-07-14 |
| 8 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 9 | ISSUED FOR COORDINATION | 02-05-15 |
| 10 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 11 | ISSUED FOR FILING | 02-13-15 |
| 12 | CONCRETE BID PACKAGE | 03-06-15 |
| 13 | ADDENDUM #1 | 03-20-15 |
| 14 | ADDENDUM #2 | 03-23-15 |
| 15 | ADDENDUM #7 | 06-17-15 |
| 16 | ADDENDUM #10 | 07-20-15 |
| 17 | ISSUED FOR FILING | 07-28-15 |
| 18 | 80% CONSTRUCTION DOCUMENTS | 08-14-15 |
| 19 | ASI #13 | 08-26-15 |
| 20 | ADDENDUM #14 | 10-22-15 |
| 21 | ISSUED FOR FILING | 03-07-16 |

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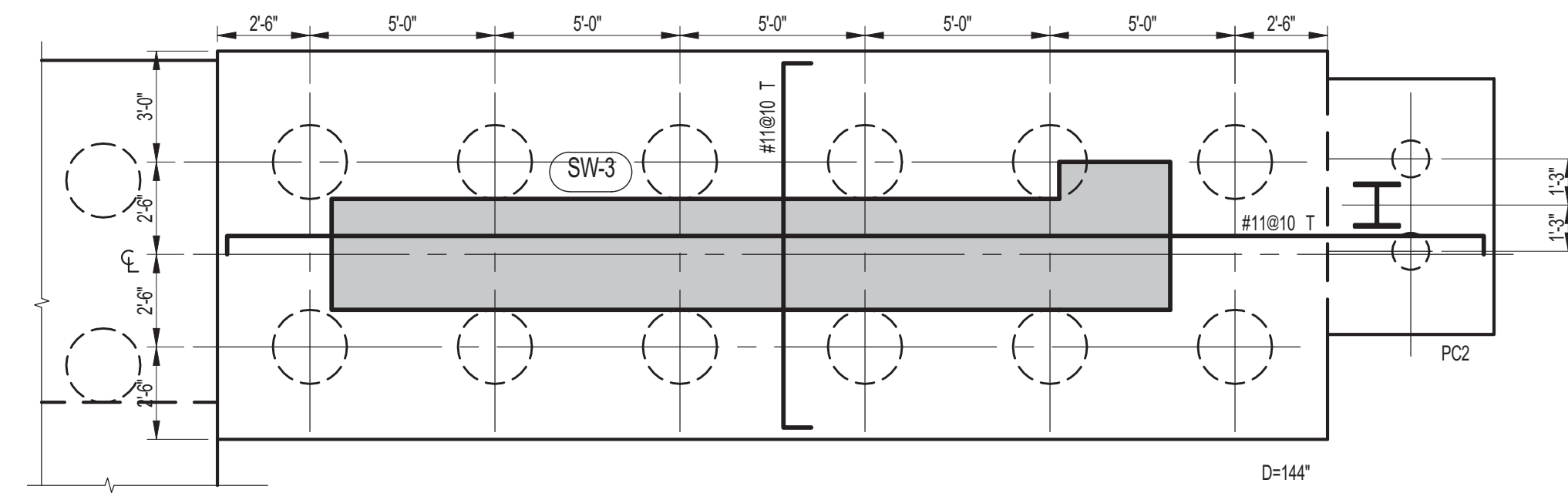
CONSULTANT:
WSP

PROJECT:
**252 SOUTH STREET
NEW YORK, NY**

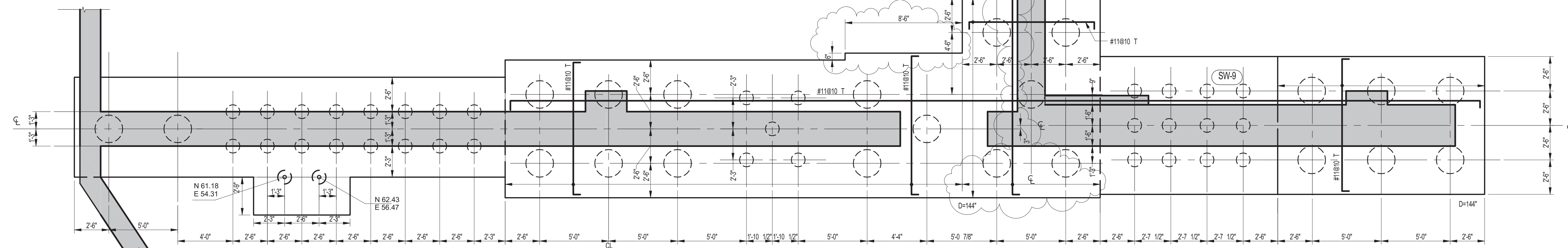
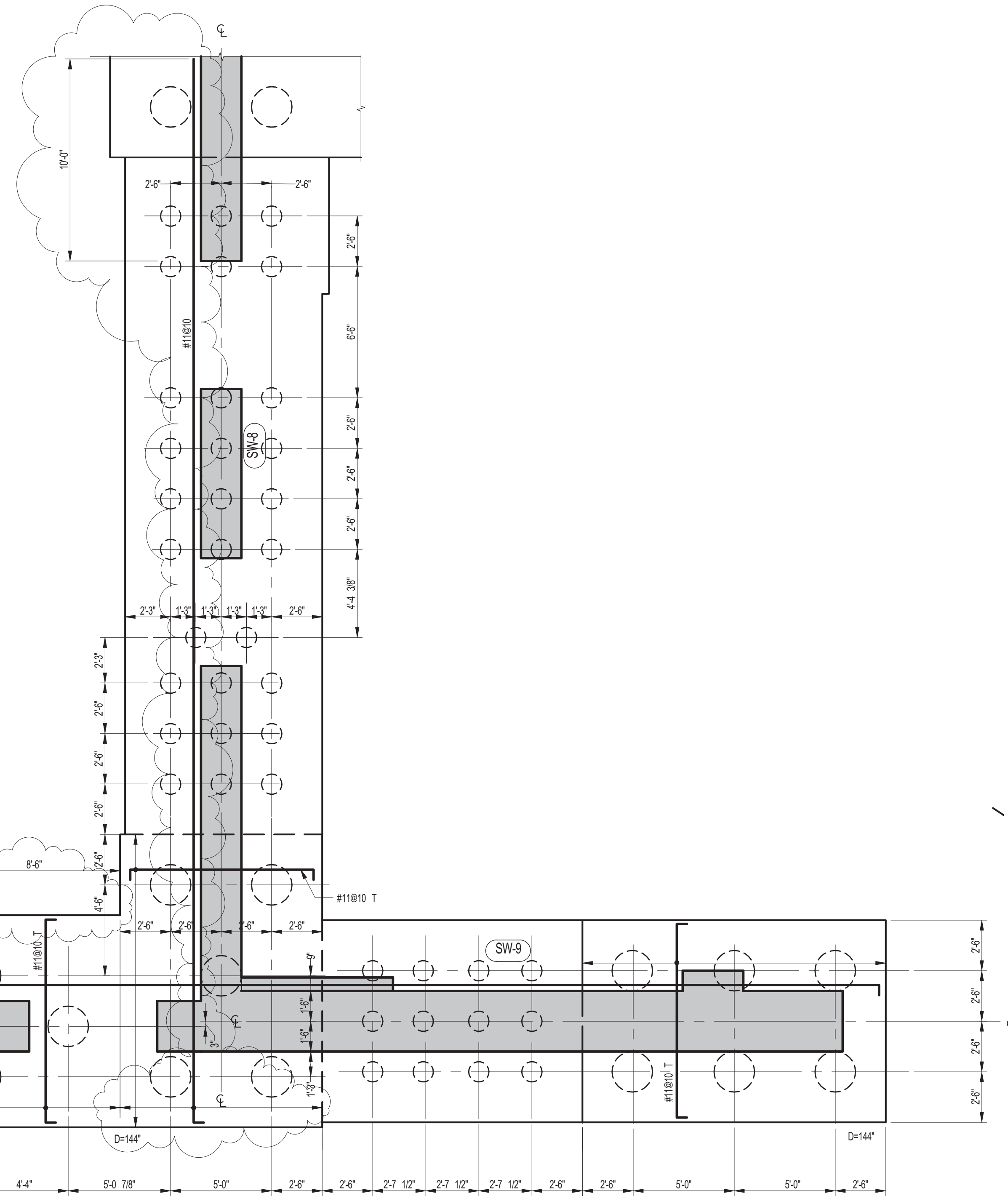
DRAWING TITLE:
MAT FOUNDATION PLAN 1

| | |
|---------------------|---------------------|
| SEAL & SIGNATURE | DATE: 07/25/14 |
| | PROJECT No: 1302610 |
| | DRAWN: CAD REV: |
| | CHK: CL |
| | SCALE: As indicated |
| DWG No: | FO-101.01 |
| DOB PAGE No: of | |
| DOB EMPLOYEE STAMP: | DOB B-SCAN: |

Damian Titus
Buildings APPROVED Under Directive 2 of 1935
NYC Development Hub
Date: 04/11/2016

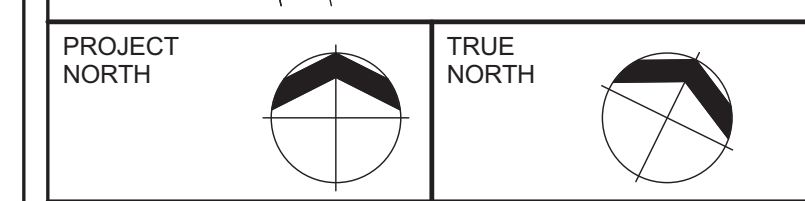
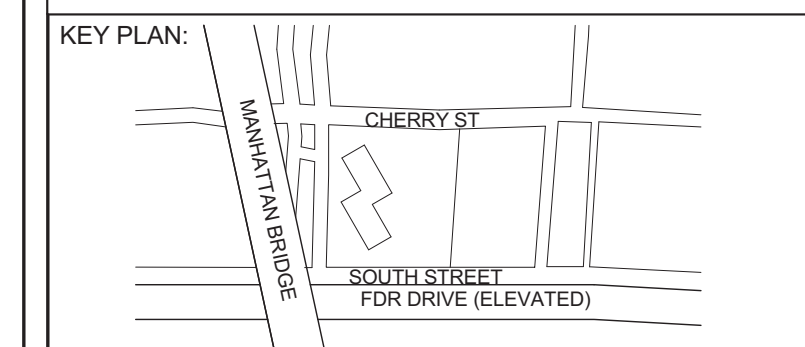
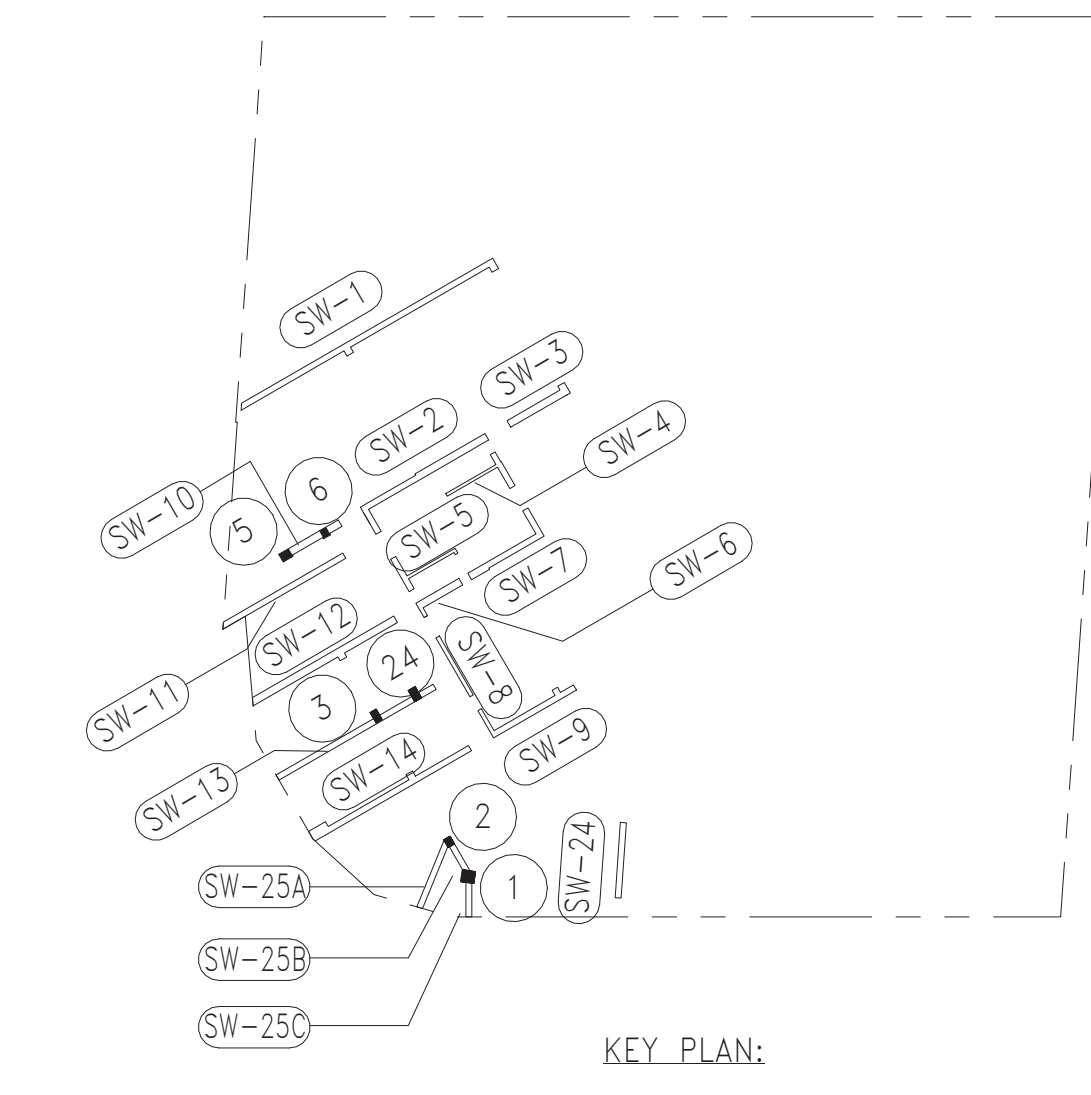


1 MAT FOUNDATION @ SW-3
 FO-102 SCALE: 1/4" = 1'-0"
 NOTES:
 1. D-78
 TOP MAT REINF. TO BE #1186 E.W.
 BOTTOM MAT REINF. TO BE #1186 E.W. (2 LAYERS)
 2. FOR BALANCE OF INFORMATION SEE DWG. FO-100



2 MAT FOUNDATION @ SW-8, SW-9 AND SW-14
 FO-102 SCALE: 1/4" = 1'-0"
 NOTES:
 1. D-78 U.O.N.
 BOTTOM MAT REINF. TO BE #1186 E.W. TYPICAL
 #1186 E.W. (2 LAYERS) @ 14" PILE CAP
 2. FOR BALANCE OF INFORMATION SEE DWG. FO-100

- LEGEND:**
- INDICATES 1500 TON CAISSON
 - INDICATES 200 TON PILE



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
 805 Third Ave, 7th Floor
 New York, NY 10022
 TEL: 212-712-6000 FAX: 212-712-6100

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 New York, NY 10005
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LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
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| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | 50% DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 7 | DESIGN DEVELOPMENT | 10-07-14 |
| 8 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 9 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 10 | ISSUED FOR FILING | 02-13-15 |
| 11 | ADDENDUM #6 | 06-03-15 |
| 12 | ADDENDUM #10 | 07-20-15 |
| 13 | ISSUED FOR FILING | 07-28-15 |
| 14 | ADDENDUM #11 | 09-25-15 |
| 15 | ISSUED FOR FILING | 03-07-16 |

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CONSULTANT:

PROJECT:
252 SOUTH STREET
NEW YORK, NY

DRAWING TITLE:
MAT FOUNDATION PLAN 2

SEAL & SIGNATURE: _____ **DATE:** 07/25/14

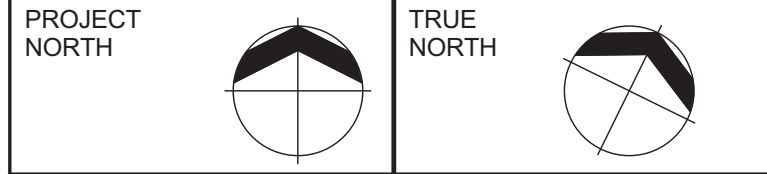
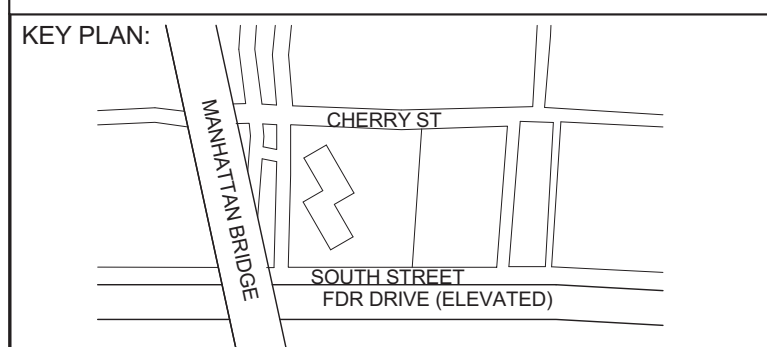
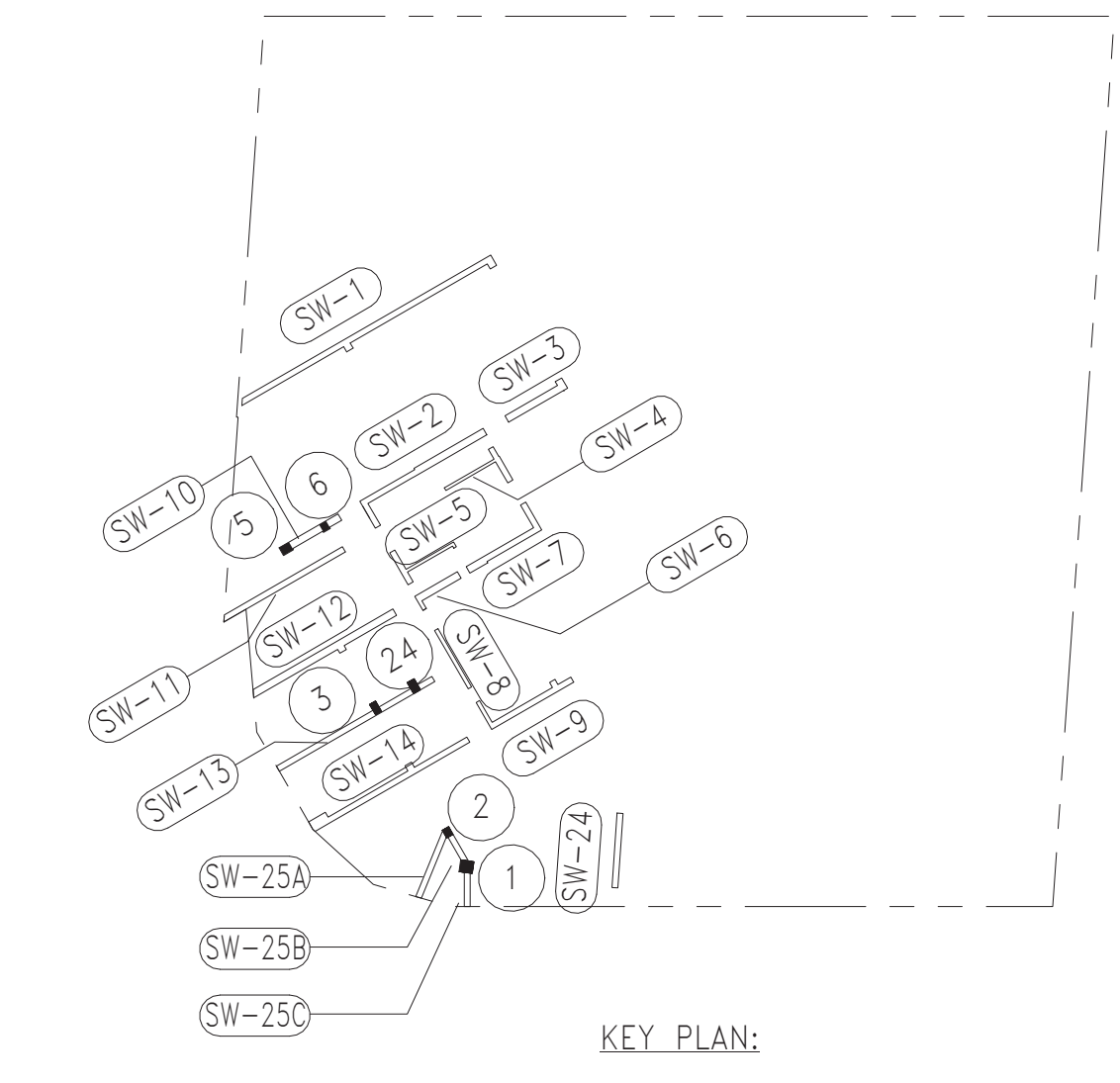
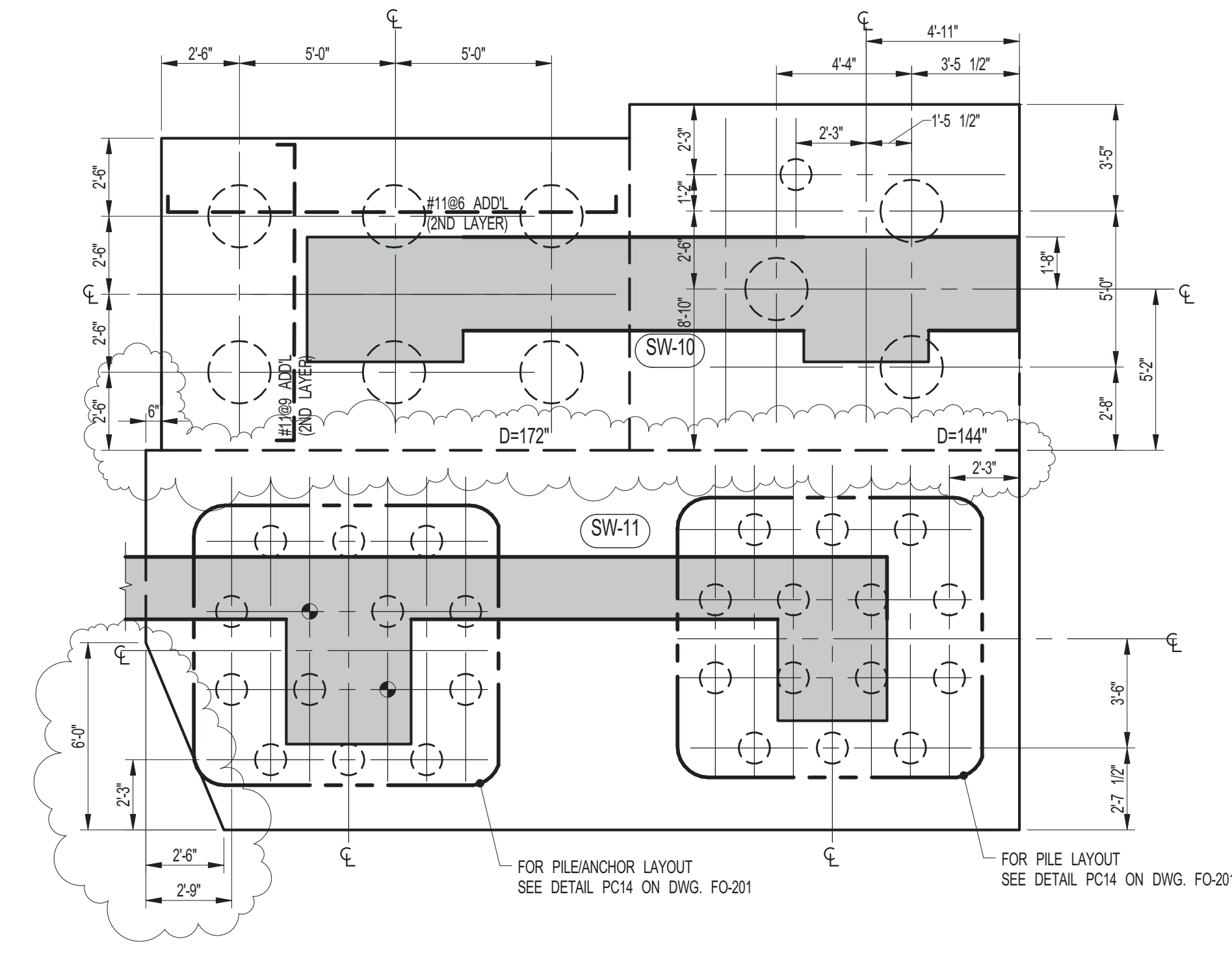
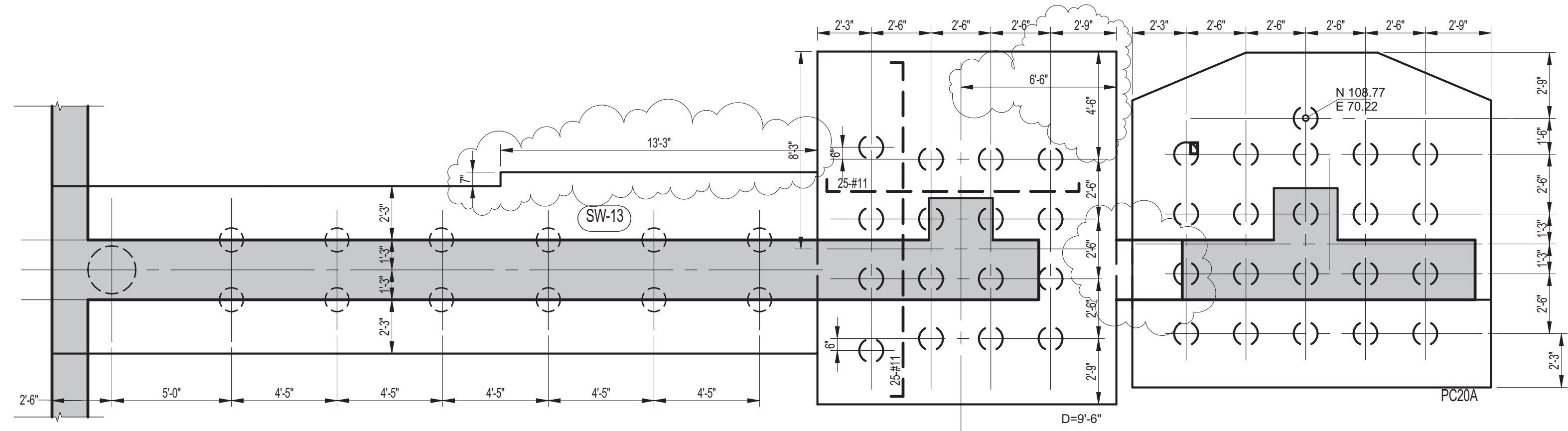
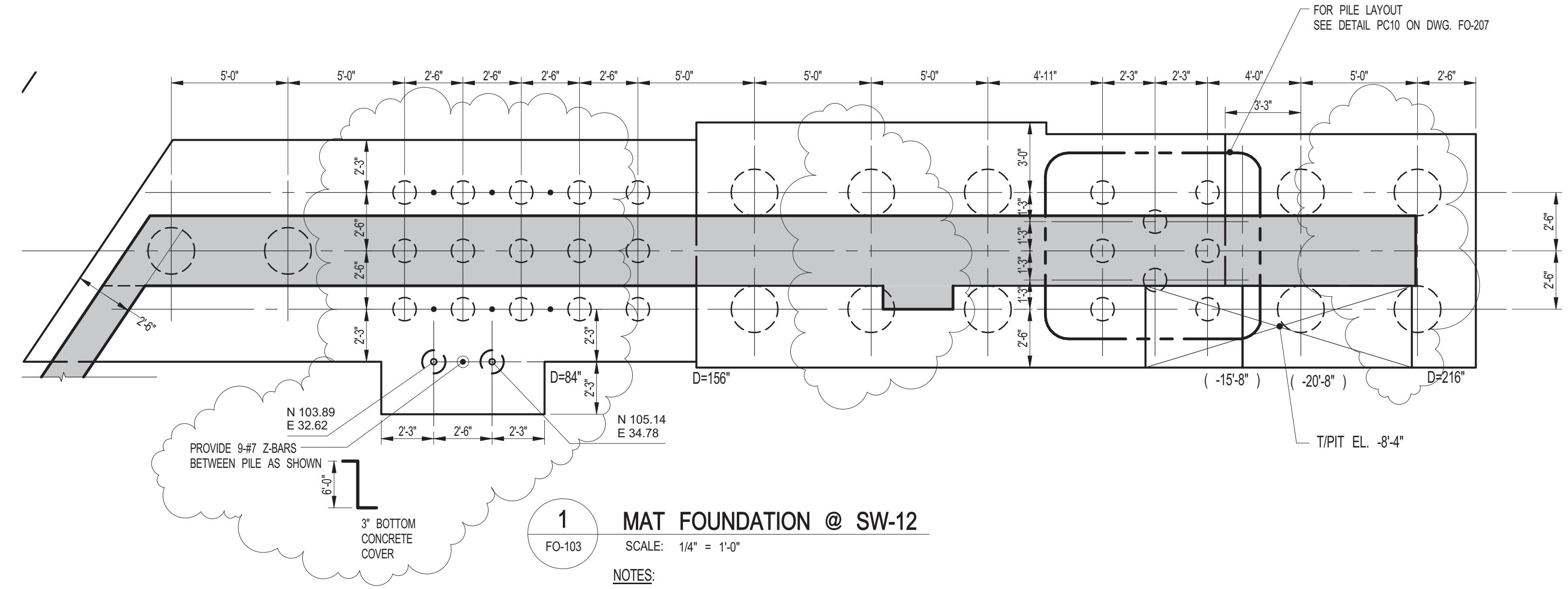
PROJECT No: 1302610
DRAWN: CAD **REV:**
CHK: CL
SCALE: As indicated
DWG No:

FO-102.01
DOB PAGE No: of

DOB EMPLOYEE STAMP: _____ **DOB B-SCAN:** _____

Damian Titus

Buildings APPROVED
 Under Directive 2 of 1975
 REVISED REQUIREMENTS
 Date: 04/11/2016
NYC Development Hub



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER:
MEYER DAVIS
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TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
333 Hudson Street, Suite 905
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TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
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228 East 45th Street
New York, NY 10017
TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS:
ICOR ASSOCIATES, LLC
485 C Route 1 South, Suite 200
Iselin, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | 50% DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 7 | DESIGN DEVELOPMENT | 10-07-14 |
| 8 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 9 | ISSUED FOR COORDINATION | 02-05-15 |
| 10 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 11 | ISSUED FOR FILING | 02-13-15 |
| 12 | ADDENDUM #6 | 06-03-15 |
| 13 | ADDENDUM #7 | 06-17-15 |
| 14 | ISSUED FOR FILING | 07-28-15 |
| 15 | 80% CONSTRUCTION DOCUMENTS | 08-14-15 |
| 16 | ASI #13 | 08-26-15 |
| 17 | ADDENDUM #11 | 09-25-15 |
| 18 | ADDENDUM #14 | 10-22-15 |
| 19 | ISSUED FOR FILING | 03-07-16 |

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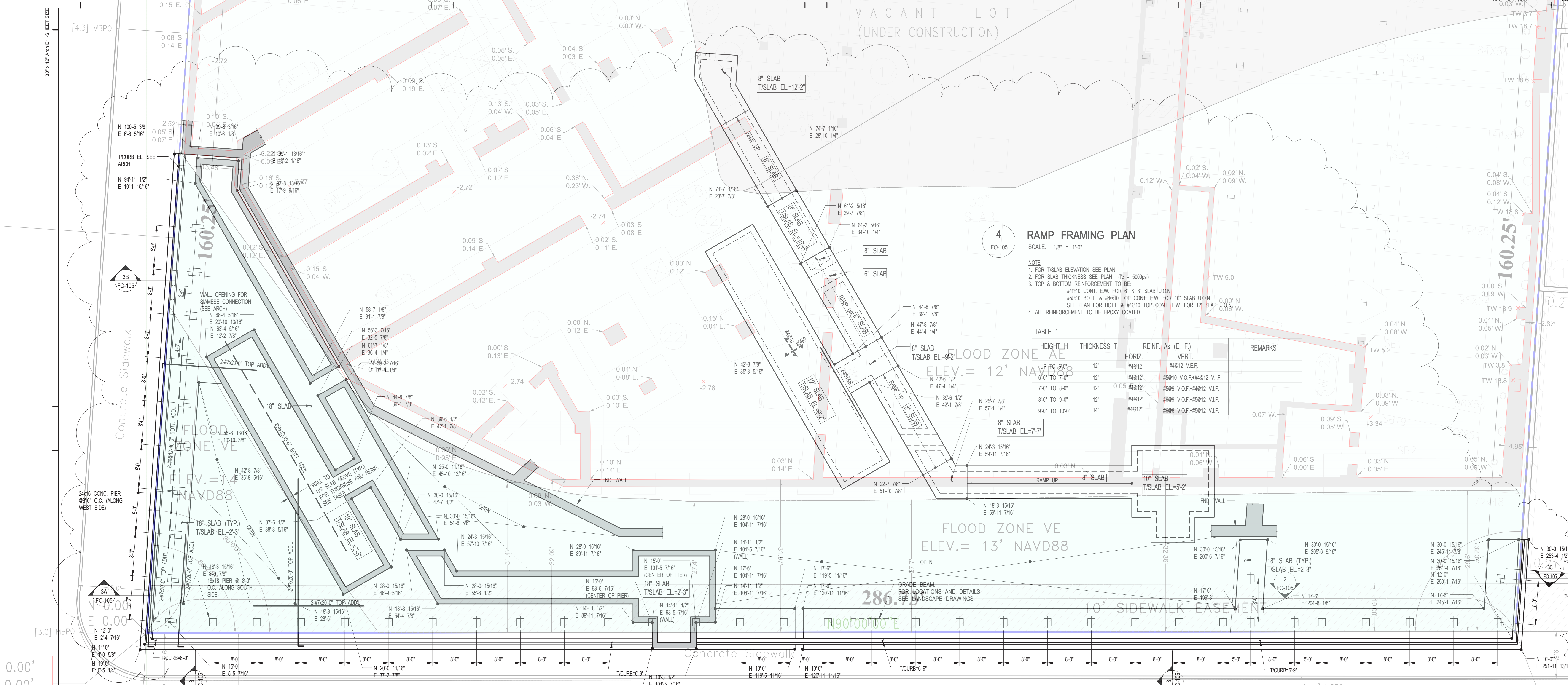
CONSULTANT:
WSP

PROJECT:
**252 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
MAT FOUNDATION PLAN 3

SEAL & SIGNATURE: [Stamp]
DATE: 07/25/14
PROJECT No: 1302610
DRAWN: CAD REV:
CHK: CL
SCALE: As indicated
DWG No: **FO-103.01**
DOB PAGE No: of

DOB EMPLOYEE STAMP: [Stamp]
DOB B-SCAN:
Damian Titus
Buildings APPROVED
Under Directive 2 of 2015
REVISION OF PREPARATION
Date: 04/11/2016
NYC Development Hub



4 RAMP FRAMING PLAN
FO-105 SCALE: 1/8" = 1'-0"

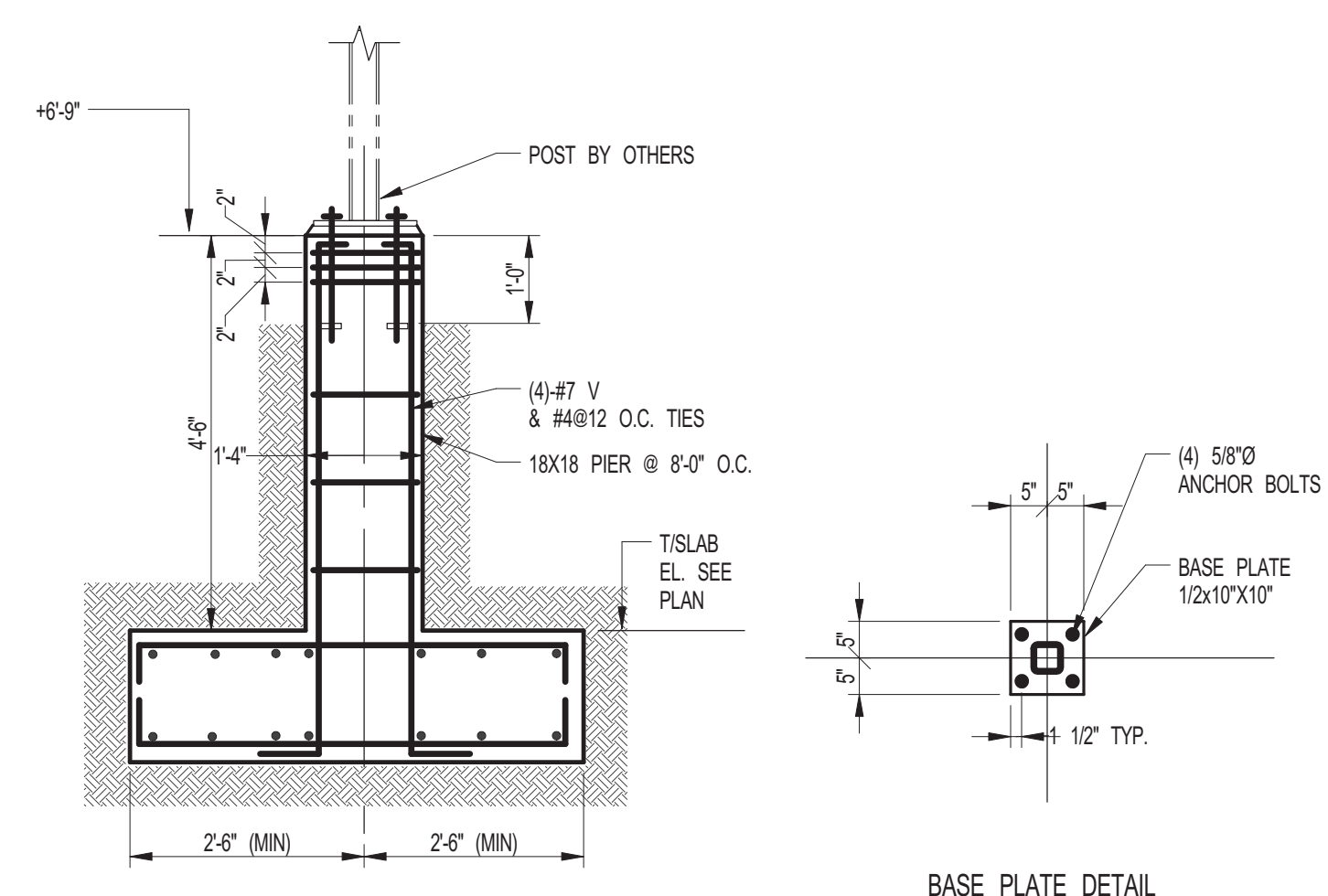
NOTE:
1. FOR TISLAB ELEVATION SEE PLAN
2. FOR SLAB THICKNESS SEE PLAN (FC = 5000psi)
3. TOP & BOTTOM REINFORCEMENT TO BE #8@10 CONT. E.W. FOR 8" & 8" SLAB U/LN. #8@10 BOTT. & #8@10 TOP CONT. E.W. FOR 10" SLAB U/LN. SEE PLAN FOR BOTT. & #8@10 TOP CONT. E.W. FOR 12" SLAB U/LN.
4. ALL REINFORCEMENT TO BE EPOXY COATED

TABLE 1

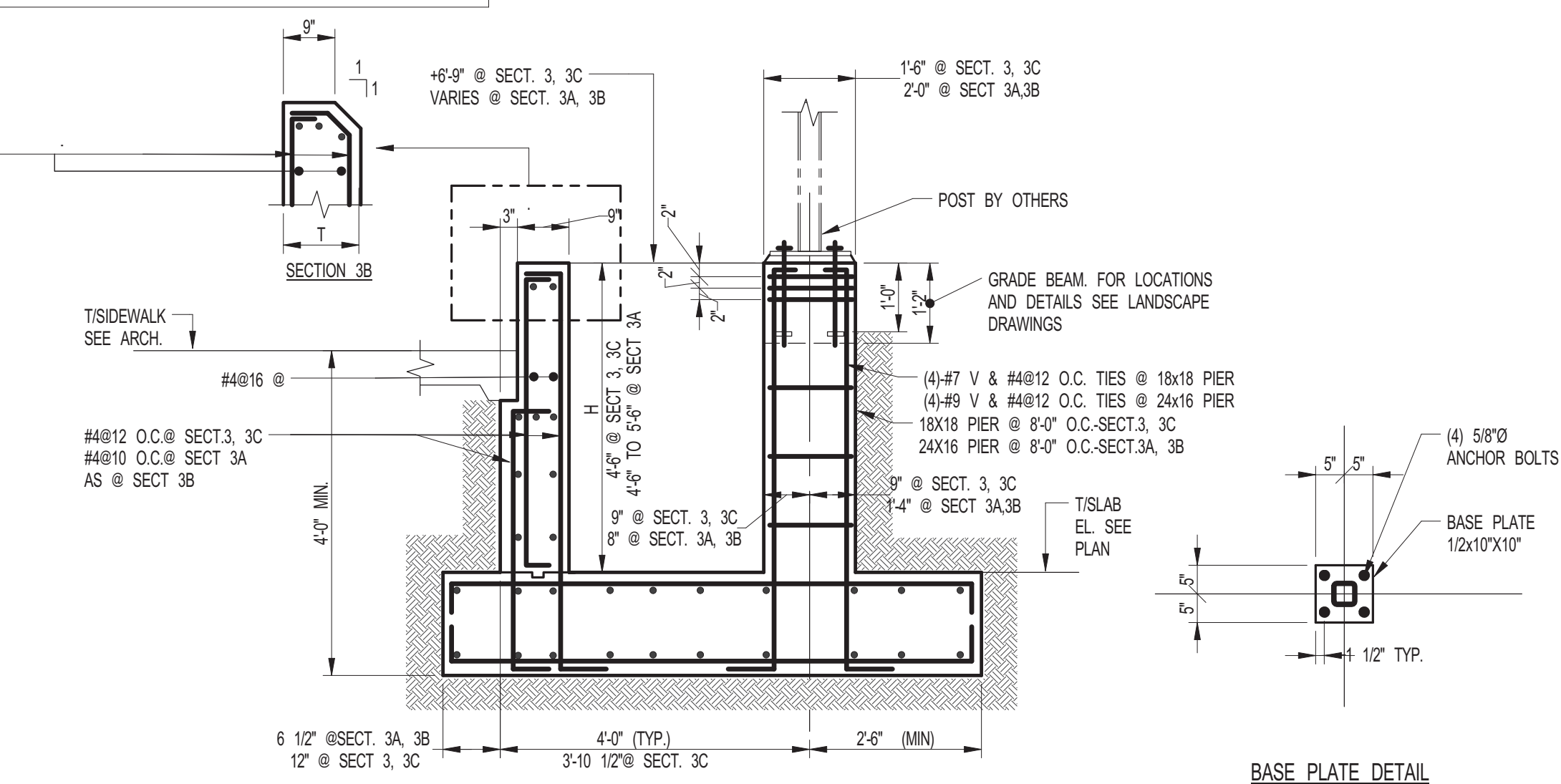
| HEIGHT H | THICKNESS T | REINF. As (E. F.) | | REMARKS |
|-----------------|-------------|-------------------|--------------------------|---------|
| | | HORIZ. | VERT. | |
| UP TO 6'-0" | 12" | #4@12 | #4@12 V.E.F. | |
| 6'-0" TO 7'-0" | 12" | #4@12 | #5@10 V.O.F.#4@12 V.I.F. | |
| 7'-0" TO 8'-0" | 12" | #4@12 | #5@10 V.O.F.#4@12 V.I.F. | |
| 8'-0" TO 9'-0" | 12" | #4@12 | #5@10 V.O.F.#5@12 V.I.F. | |
| 9'-0" TO 10'-0" | 14" | #4@12 | #5@8 V.O.F.#5@12 V.I.F. | |

1 FENCE, RETENTION WALL
FO-105 SCALE: 1/8" = 1'-0"

NOTE:
1. SEE ARCH DRAWINGS FOR LOCATIONS OF FENCE.
2. TOP & BOTTOM REINFORCEMENT TO BE #8@12 CONT. E.W. FOR 18" FOR ADDL REINF. SEE PLAN.
INSTALLATION OF FENCE CAN NOT OCCUR BEFORE CONCRETE PIER SETTLES (APPROXIMATELY 6 MONTHS)



2 SECTION
FO-105 SCALE: 1/2" = 1'-0"



3 3A 3B 3C SECTION
FO-105 FO-105 FO-105 FO-105 SCALE: 1/2" = 1'-0"

NOTE: FOR As, H, T SEE TABLE BELOW

TABLE 3

| HEIGHT H | THICKNESS T | REINF. As (E. F.) | | REMARKS |
|-----------------|-------------|-------------------|-------|----------------------|
| | | HORIZ. | VERT. | |
| UP TO 5'-0" | - | - | - | SEE SECTION 3AFO-105 |
| 6'-0" TO 7'-0" | 12" | #4@12 | #5@12 | |
| 7'-0" TO 8'-0" | 12" | #4@12 | #5@12 | |
| 8'-0" TO 9'-0" | 16" | #4@12 | #5@12 | |
| 9'-0" TO 10'-0" | 16" | #4@12 | #5@10 | |

KEY PLAN

PROJECT NORTH TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
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14 Wall Street, 2nd Floor
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TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
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228 East 45th Street
New York, NY 10017
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LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|---------------------------|----------|
| 1 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 2 | 50% DD | 08-01-14 |
| 3 | DESIGN DEVELOPMENT | 10-07-14 |
| 4 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 5 | ISSUED FOR FILING | 02-28-15 |
| 6 | ADDENDUM #15 | 11-18-15 |
| 7 | ADDENDUM #16 | 02-04-16 |
| 8 | ASI #55 | 02-12-16 |
| 9 | ASI #56 | 02-19-16 |
| 10 | ASI #57 | 02-26-16 |
| 11 | ASI #58 | 03-04-16 |
| 12 | ISSUED FOR FILING | 03-07-16 |

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CONSULTANT:
WSP

PROJECT:
252 SOUTH STREET
NEW YORK, NY

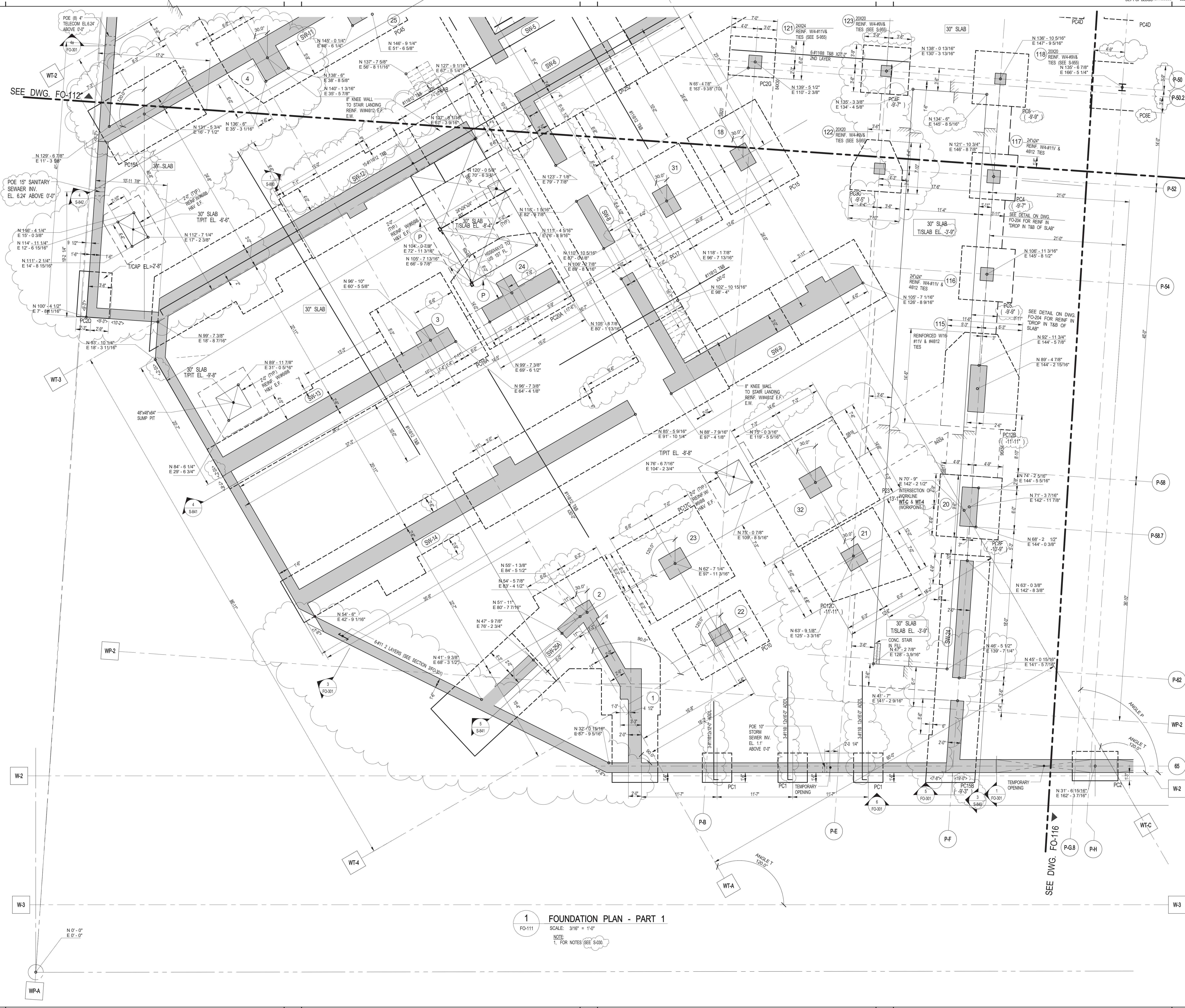
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FENCE FOUNDATION PLAN AND DETAILS

SEAL & SIGNATURE: [Signature] DATE: 07/25/14
PROJECT No: 1302510
DRAWN: CAD REV: []
CHK: CL
SCALE: As indicated
DWG No: **FO-105.01**
DOB PAGE No: of
DOB EMPLOYEE STAMP: DOB B-SCAN:

Damian Titus
Buildings APPROVED Under Directive 2 of 1975
NYC Development Hub

30" x 42" PANEL ET. SHEET SIZE

FILE NAME:
PLOT DATE:



1 FOUNDATION PLAN - PART 1
 SCALE: 3/16" = 1'-0"
 NOTE:
 1. FOR NOTES (SEE S-300)

KEY PLAN: CHERRY ST, SOUTH STREET, SOUTH STREET FOR DRIVE (ELEVATED)

PROJECT NORTH: TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
 805 Third Ave, 7th Floor
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 TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
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 New York, NY 10001
 TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | DESIGN DEVELOPMENT | 10-07-14 |
| 2 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 3 | ISSUED FOR COORDINATION | 01-30-15 |
| 4 | ISSUED FOR COORDINATION | 02-02-15 |
| 5 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 6 | ISSUED FOR FILING | 02-13-15 |
| 7 | REVISED FND. PACKAGE | 02-27-15 |
| 8 | CONCRETE BID PACKAGE | 03-06-15 |
| 9 | ADDENDUM #5 | 05-01-15 |
| 10 | ADDENDUM #6 | 06-03-15 |
| 11 | ADDENDUM #9 | 07-10-15 |
| 12 | ADDENDUM #10 | 07-20-15 |
| 13 | ISSUED FOR FILING | 07-28-15 |
| 14 | 80% CONSTRUCTION DOCUMENTS | 08-14-15 |
| 15 | ADDENDUM #11 | 09-25-15 |
| 16 | ADDENDUM #14 | 10-22-15 |
| 17 | ADDENDUM #15 | 11-18-15 |
| 18 | ASI #58 | 03-04-16 |
| 19 | ISSUED FOR FILING | 03-07-16 |

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CONSULTANT:
WSP

PROJECT:
252 SOUTH STREET
NEW YORK, NY

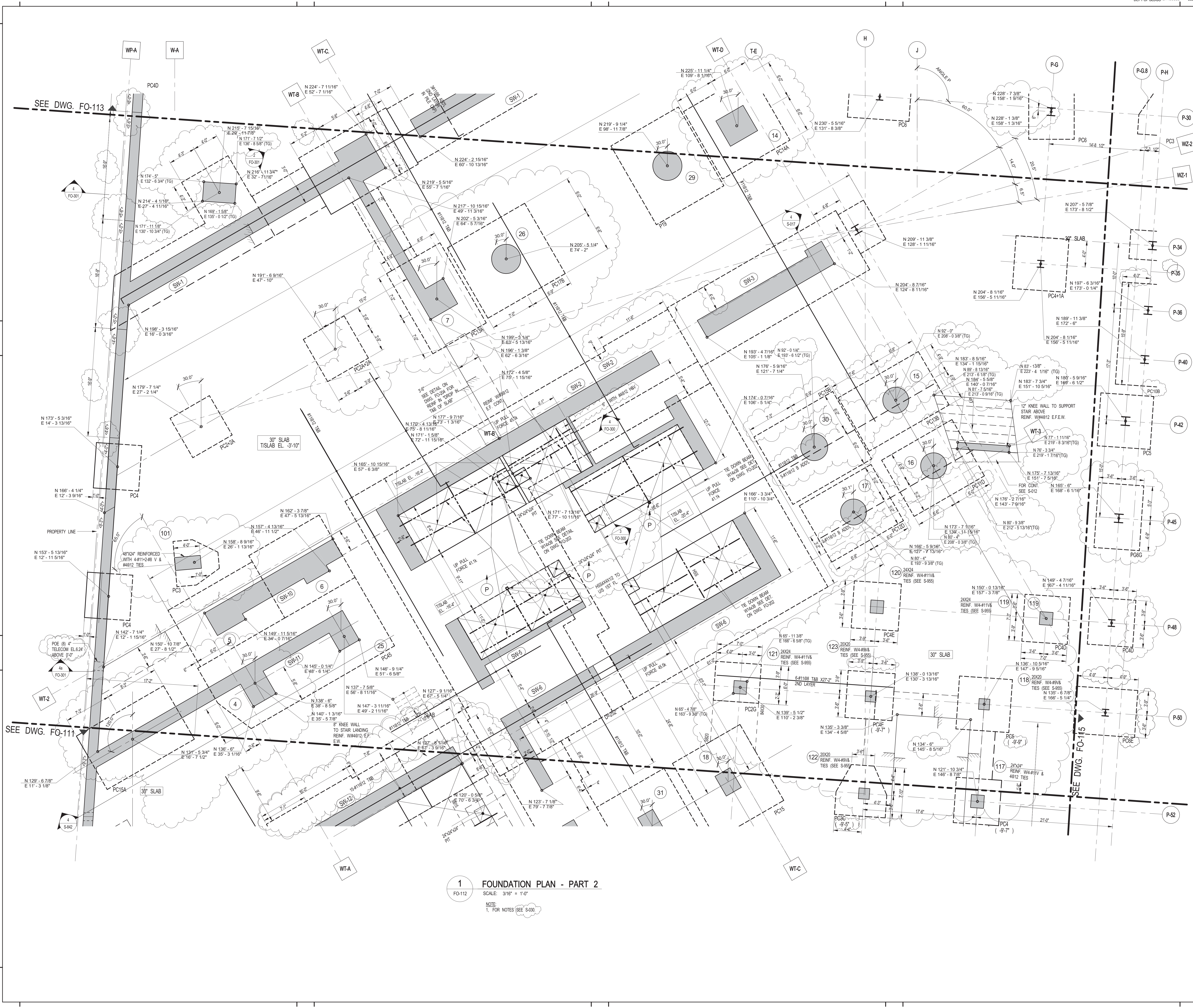
DRAWING TITLE:
FOUNDATION PLAN - PART 1

SEAL & SIGNATURE: [Signature] DATE: 10/03/14
 PROJECT No: 1302610
 DRAWN: CAD REV:
 CHK: CL
 SCALE:
 DWG No: **FO-111.01**
 DOB PAGE No: of
 DOB EMPLOYEE STAMP: DOB B-SCAN:

Damian Titus
 Buildings APPROVED
 Under Directive 2 of 1515
 EXPIRES 03/31/2016
 Date: 04/11/2016
 NYC Development Hub

30" x 42" PLOT SIZE

FILE NAME:
PLOT DATE:



1 FOUNDATION PLAN - PART 2
FO-112 SCALE: 3/16" = 1'-0"
NOTE:
1. FOR NOTES SEE S-330.

KEY PLAN:
CHERRY ST
SOUTH STREET
FOR DRIVE (ELEVATED)

PROJECT: NORTH
TRUE NORTH: [North Arrow]

DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD: **AAI ARCHITECTS, P.C.**
14 Wall Street, 2nd Floor
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TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER: **MEYER DAVIS**
180 Varick St, suite 404
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TEL: 212-627-5574

LANDSCAPE DESIGNER: **WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.**
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS: **WSP**
228 East 45th Street
New York, NY 10017
TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS: **ICOR ASSOCIATES, LLC**
485 C Route 1 South, Suite 200
Iselin, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS: **LANGAN ENGINEERING & ENVIRONMENTAL SERVICES**
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | DESIGN DEVELOPMENT | 10-07-14 |
| 2 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 3 | ISSUED FOR COORDINATION | 02-05-15 |
| 4 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 5 | ISSUED FOR FILING | 02-13-15 |
| 6 | REVISED FND. PACKAGE | 02-27-15 |
| 7 | CONCRETE BID PACKAGE | 03-06-15 |
| 8 | ADDENDUM #1 | 03-20-15 |
| 9 | ADDENDUM #5 | 05-01-15 |
| 10 | ADDENDUM #6 | 06-03-15 |
| 11 | ADDENDUM #7 | 06-17-15 |
| 12 | ADDENDUM #9 | 07-10-15 |
| 13 | ADDENDUM #10 | 07-20-15 |
| 14 | ISSUED FOR FILING | 07-28-15 |
| 15 | 80% CONSTRUCTION DOCUMENTS | 08-14-15 |
| 16 | ASI #13 | 08-26-15 |
| 17 | ADDENDUM #11 | 09-25-15 |
| 18 | ADDENDUM #14 | 10-22-15 |
| 19 | ADDENDUM #15 | 11-18-15 |
| 20 | 90% CONSTRUCTION DOCUMENTS | 01-15-16 |
| 21 | ASI #57 | 02-26-16 |
| 22 | ISSUED FOR FILING | 03-07-16 |

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT: **WSP**

PROJECT: **252 SOUTH STREET**
NEW YORK, NY

DRAWING TITLE: **FOUNDATION PLAN - PART 2**

| | |
|------------------------------|-------------------------------|
| SEAL & SIGNATURE: | DATE: 10/03/14 |
| | PROJECT No: 1302610 |
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| | CHK: CL |
| | SCALE: |

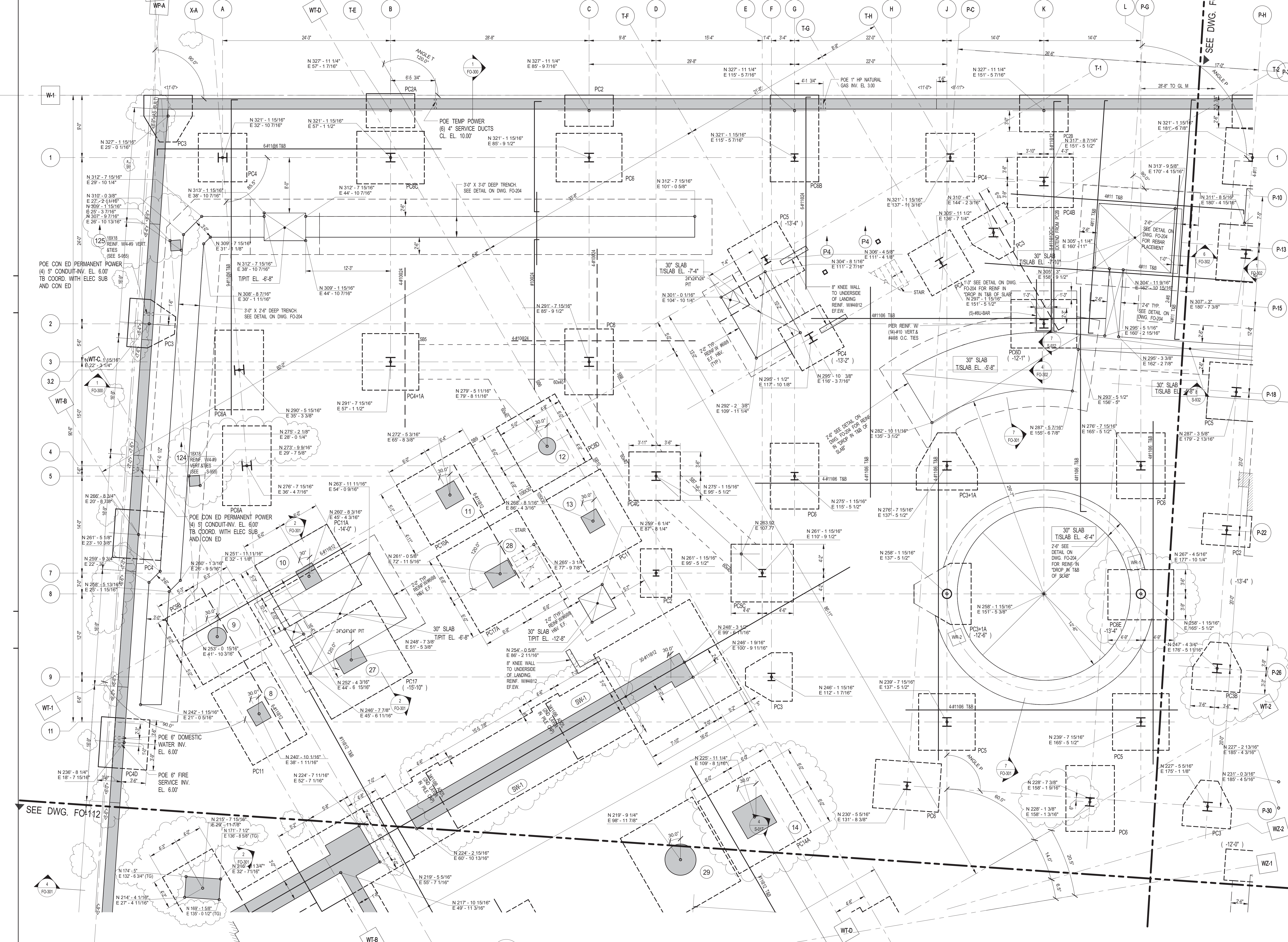
DWG No: **FO-112.01**

DOB PAGE No: of

DOB EMPLOYEE STAMP: **DOB B-SCAN:**

Damian Titus
Buildings **APPROVED**
Under Directive 2 of 2015
NYC DEPARTMENT OF BUILDINGS
Date: 04/12/2016
NYC Development Hub

30" x 42" PANEL SHEET SIZE



KEY PLAN: CHERRY ST, SOUTH STREET, SOUTH STREET FOR DRIVE (ELEVATED)

PROJECT: NORTH

DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD: **AAI ARCHITECTS, P.C.**
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER: **MEYER DAVIS**
180 Varick St, suite 404
New York, NY 10014
TEL: 212-627-5574

LANDSCAPE DESIGNER: **WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.**
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS: **WSP**
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TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS: **ICOR ASSOCIATES, LLC**
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TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS: **LANGAN ENGINEERING & ENVIRONMENTAL SERVICES**
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | DESIGN DEVELOPMENT | 10-07-14 |
| 2 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 3 | ISSUED FOR COORDINATION | 02-05-15 |
| 4 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 5 | ISSUED FOR FILING | 02-13-15 |
| 6 | STEEL BID PACKAGE | 02-24-15 |
| 7 | REVISED FND. PACKAGE | 02-27-15 |
| 8 | CONCRETE BID PACKAGE | 03-06-15 |
| 9 | ADDENDUM #1 | 03-20-15 |
| 10 | ADDENDUM #3 | 03-27-15 |
| 11 | ADDENDUM #4 | 04-24-15 |
| 12 | ADDENDUM #5 | 05-01-15 |
| 13 | ADDENDUM #6 | 06-03-15 |
| 14 | ADDENDUM #7 | 06-17-15 |
| 15 | ADDENDUM #9 | 07-10-15 |
| 16 | ADDENDUM #10 | 07-20-15 |
| 17 | ISSUED FOR FILING | 07-28-15 |
| 18 | 80% CONSTRUCTION DOCUMENTS | 08-14-15 |
| 19 | ASI #13 | 08-26-15 |
| 20 | ADDENDUM #11 | 09-25-15 |
| 21 | ADDENDUM #14 | 10-22-15 |
| 22 | ADDENDUM #15 | 11-18-15 |
| 23 | 90% CONSTRUCTION DOCUMENTS | 01-15-16 |
| 24 | ASI #57 | 02-26-16 |
| 25 | ISSUED FOR FILING | 03-07-16 |

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CONSULTANT: **WSP**

PROJECT: **252 SOUTH STREET**
NEW YORK, NY

DRAWING TITLE: **FOUNDATION PLAN - PART 3**

SEAL & SIGNATURE: **FO-113.01**

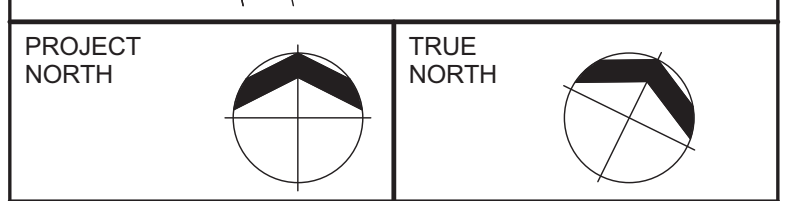
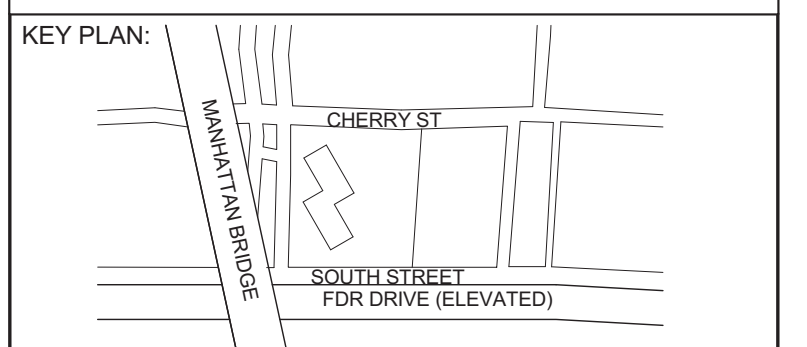
DATE: 10/03/14
PROJECT No: 1302510
DRAWN: CAD
CHK: CL
SCALE: DWG No:
DOB PAGE No: of
DOB EMPLOYEE STAMP: **DOB B-SCAN:**

Damian Titus
Buildings APPROVED
Under Directive 2 of 1315
NYC DEVELOPMENT CORPORATION
Date: 04/12/2016
NYC Development Hub

1 FOUNDATION PLAN - PART 3
SCALE: 3/16" = 1'-0"
NOTE:
1. FOR NOTES SEE S430.

30" x 42" PANEL SHEET SIZE

DEPT OF BLDGS & FIRE
ELECTRICAL



PROJECT NORTH
TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER:
MEYER DAVIS
180 Varick St, suite 404
New York, NY 10014
TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
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228 East 45th Street
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TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS:
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485 C Route 1 South, Suite 200
Iselme, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | DESIGN DEVELOPMENT | 10-07-14 |
| 2 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 3 | ISSUED FOR FILING | 02-13-15 |
| 4 | REVISED FND. PACKAGE | 02-27-15 |
| 5 | CONCRETE BID PACKAGE | 03-06-15 |
| 6 | ADDENDUM #5 | 05-01-15 |
| 7 | ADDENDUM #6 | 06-03-15 |
| 8 | ADDENDUM #7 | 06-17-15 |
| 9 | ADDENDUM #9 | 07-10-15 |
| 10 | ADDENDUM #10 | 07-20-15 |
| 11 | ISSUED FOR FILING | 07-28-15 |
| 12 | 80% CONSTRUCTION DOCUMENTS | 08-14-15 |
| 13 | ADDENDUM #14 | 10-22-15 |
| 14 | ADDENDUM #15 | 11-18-15 |
| 15 | ASI #57 | 02-26-16 |
| 16 | ISSUED FOR FILING | 03-07-16 |

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CONSULTANT:
WSP

PROJECT:
**252 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
FOUNDATION PLAN - PART 4

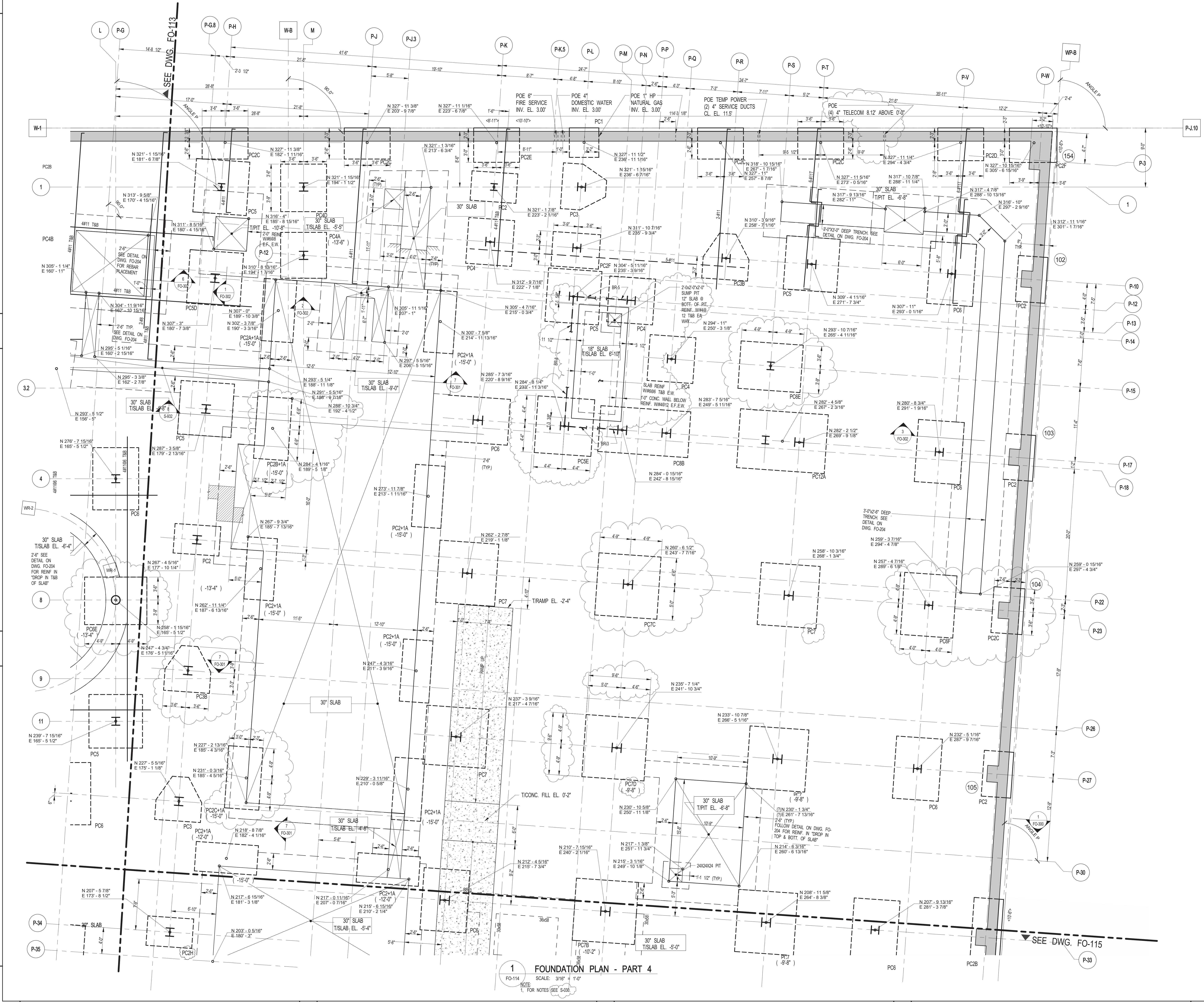
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PROJECT No: 1302510
DRAWN: CAD REV:
CHK: CL
SCALE: DWG No:
FO-114.01

DOB PAGE No: of
DOB EMPLOYEE STAMP: [Stamp] DOB B-SCAN: [Stamp]

Seal of the State of New York, Board of Professional Engineers, No. 06557

Damian Titus
APPROVED
Under Directive of 1935
NY State Board of Professional Engineers
Date: 04/11/2016
NYC Development Hub



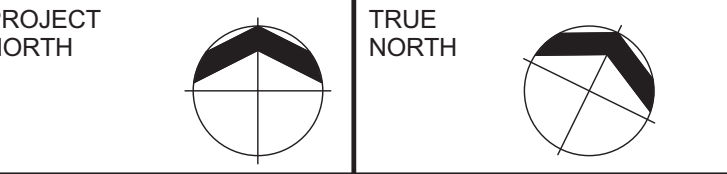
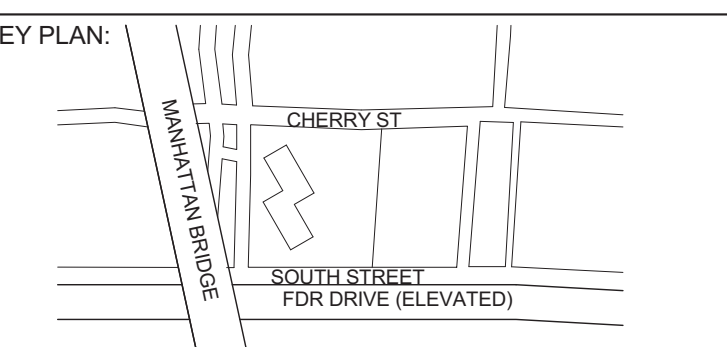
1 FOUNDATION PLAN - PART 4
SCALE: 3/16" = 1'-0"
NOTE: 1. FOR NOTES SEE S-01

FILE NAME:
PLOT DATE:

30" x 42" ARCH. ET. SHEET SIZE

DEPT OF BLDGS & FIRE

FO-115.02



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

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AAI ARCHITECTS, P.C.
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER:
MEYER DAVIS
180 Varick St, suite 404
New York, NY 10014
TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

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TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS:
ICOR ASSOCIATES, LLC
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Iselin, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | DESIGN DEVELOPMENT | 10-07-14 |
| 2 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 3 | ISSUED FOR FILING | 02-13-15 |
| 4 | REVISED FND. PACKAGE | 02-27-15 |
| 5 | CONCRETE BID PACKAGE | 03-06-15 |
| 6 | ADDENDUM #1 | 03-20-15 |
| 7 | ADDENDUM #6 | 06-03-15 |
| 8 | ADDENDUM #7 | 06-17-15 |
| 9 | ADDENDUM #9 | 07-10-15 |
| 10 | ISSUED FOR FILING | 07-28-15 |
| 11 | 80% CONSTRUCTION DOCUMENTS | 08-14-15 |
| 12 | ADDENDUM #11 | 09-25-15 |
| 13 | ADDENDUM #14 | 10-22-15 |
| 14 | ADDENDUM #15 | 11-18-15 |
| 15 | 90% CONSTRUCTION DOCUMENTS | 01-15-16 |
| 16 | ADDENDUM #16 | 02-04-16 |
| 17 | ISSUED FOR FILING | 02-09-16 |
| 18 | ASI #55 | 02-12-16 |
| 19 | ASI #56 | 02-19-16 |
| 20 | ASI #57 | 02-26-16 |
| 21 | ASI #58 | 03-04-16 |
| 22 | ISSUED FOR FILING | 03-07-16 |

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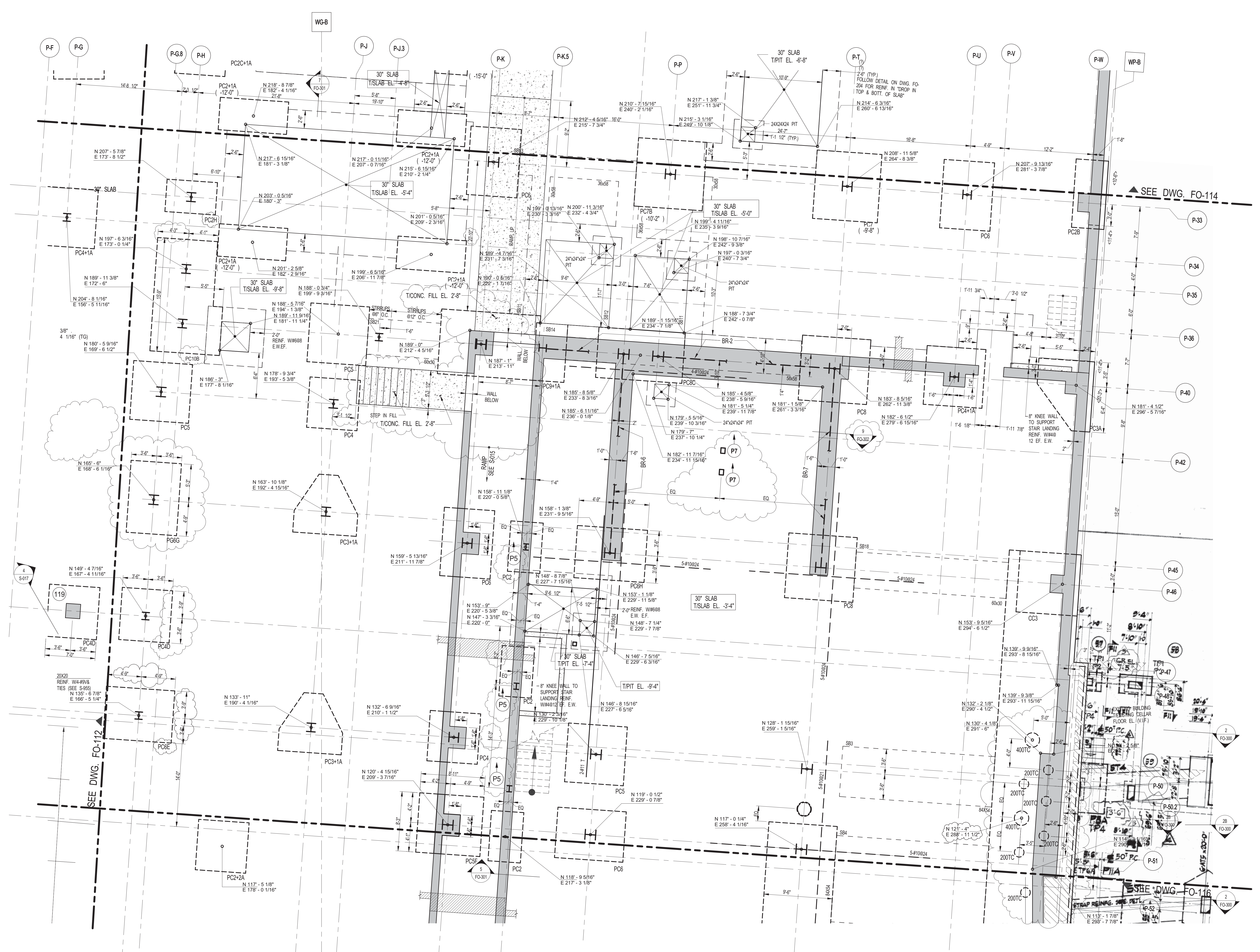
PROJECT:
**252 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
FOUNDATION PLAN - PART 5

SEAL & SIGNATURE: DATE: 10/03/14
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 DRAWN: CAD REV: 1
 CHK: CL
 SCALE:
 DWG No: **FO-115.02**
 DOB PAGE No: of

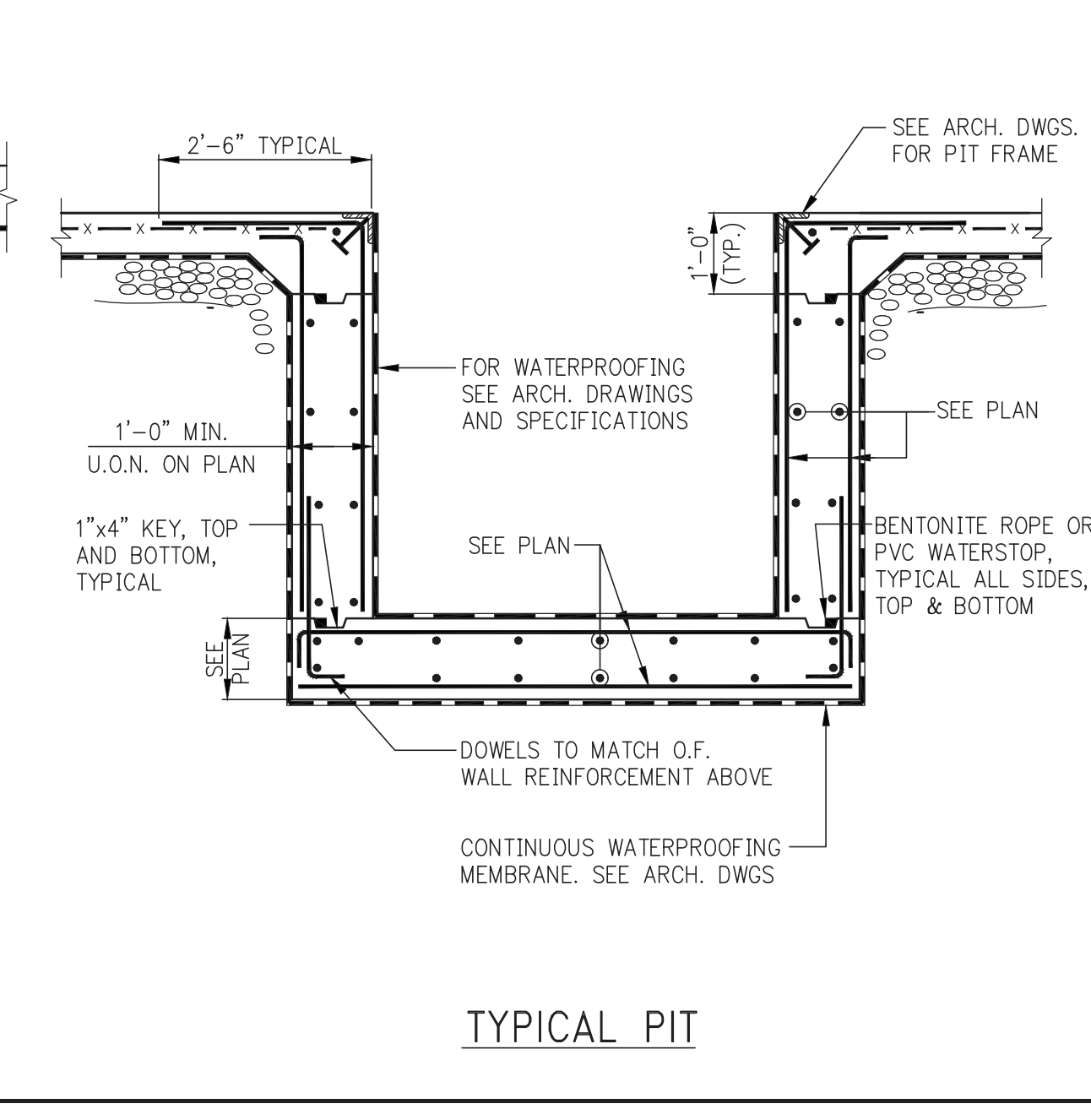
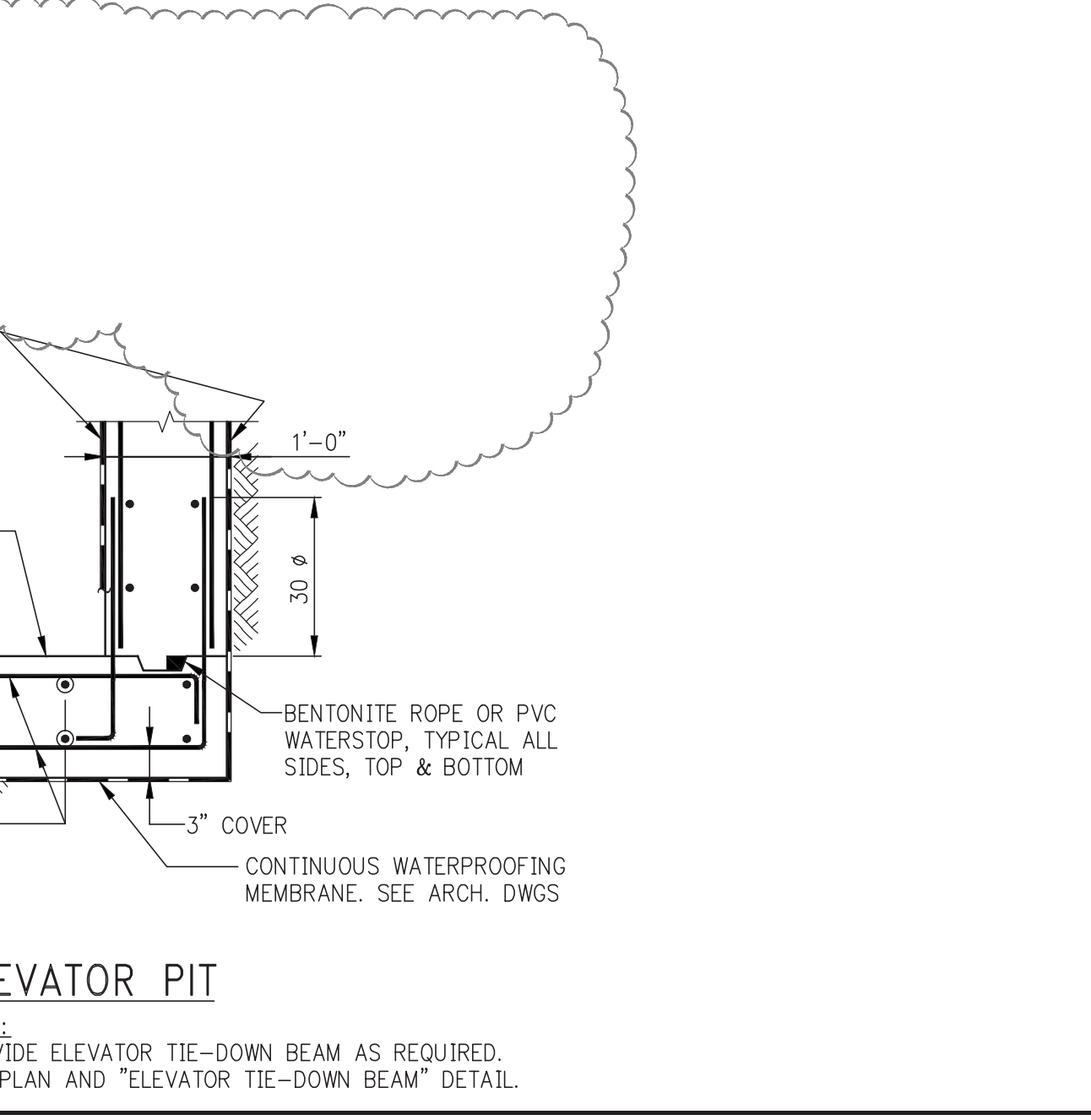
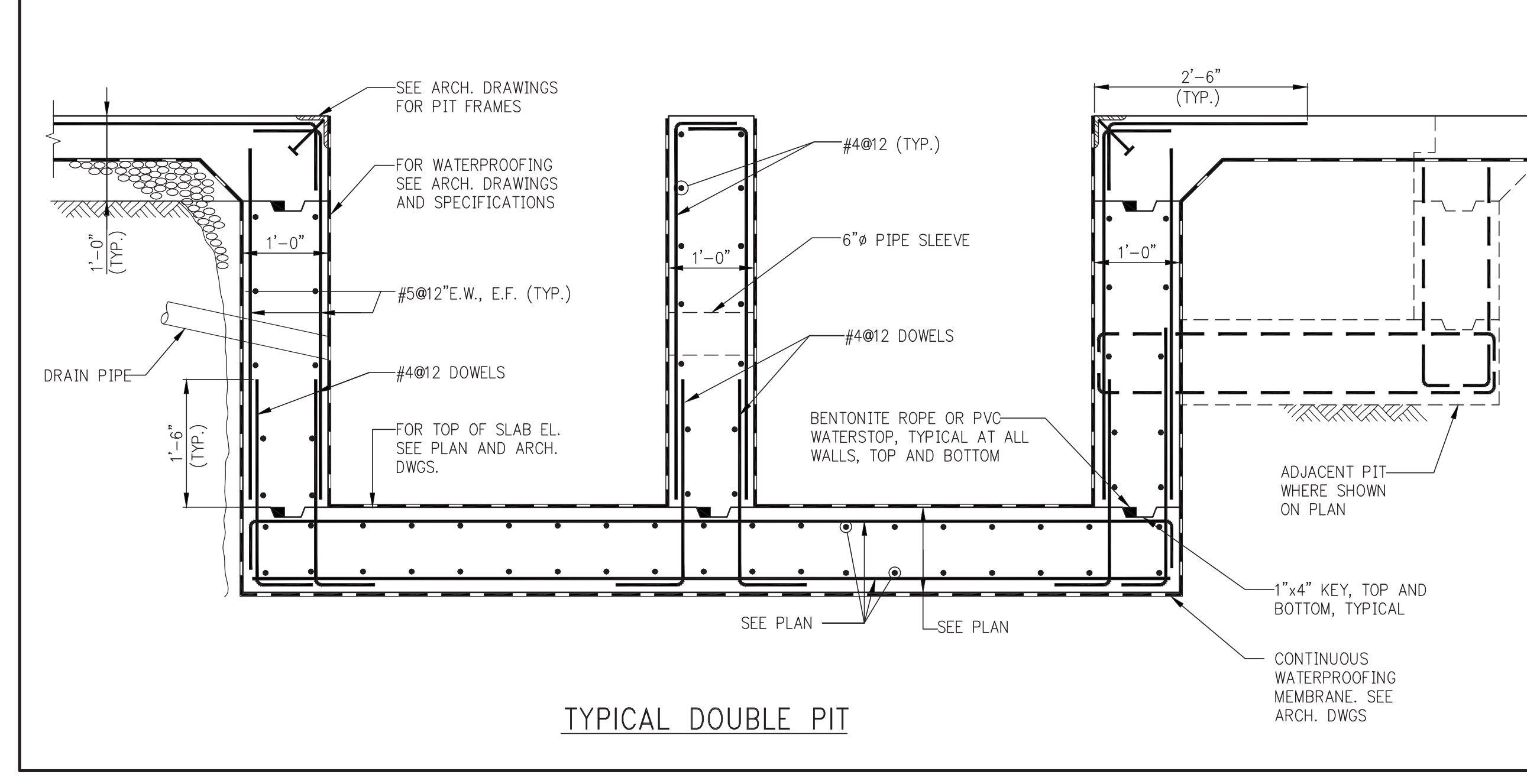
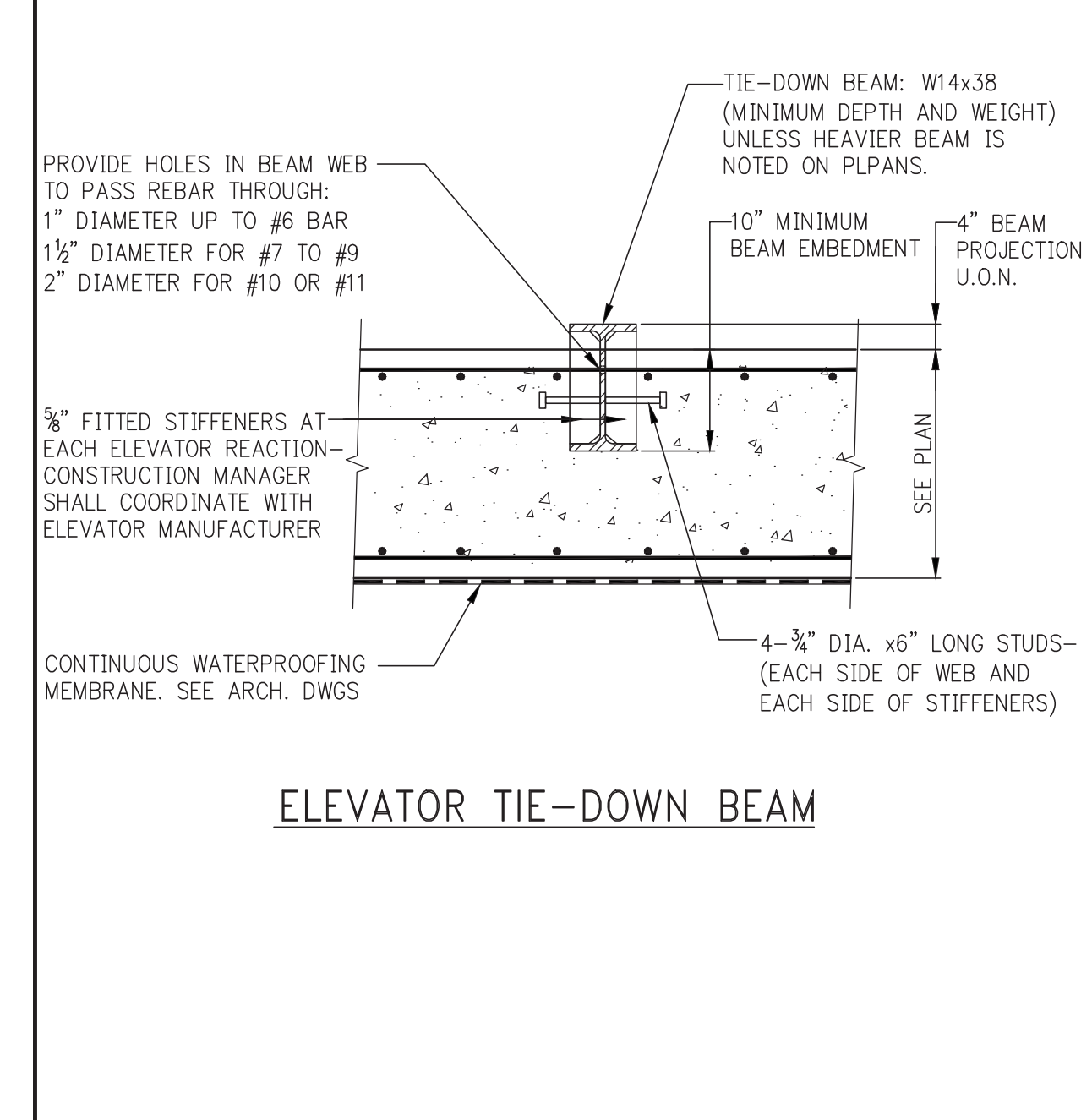
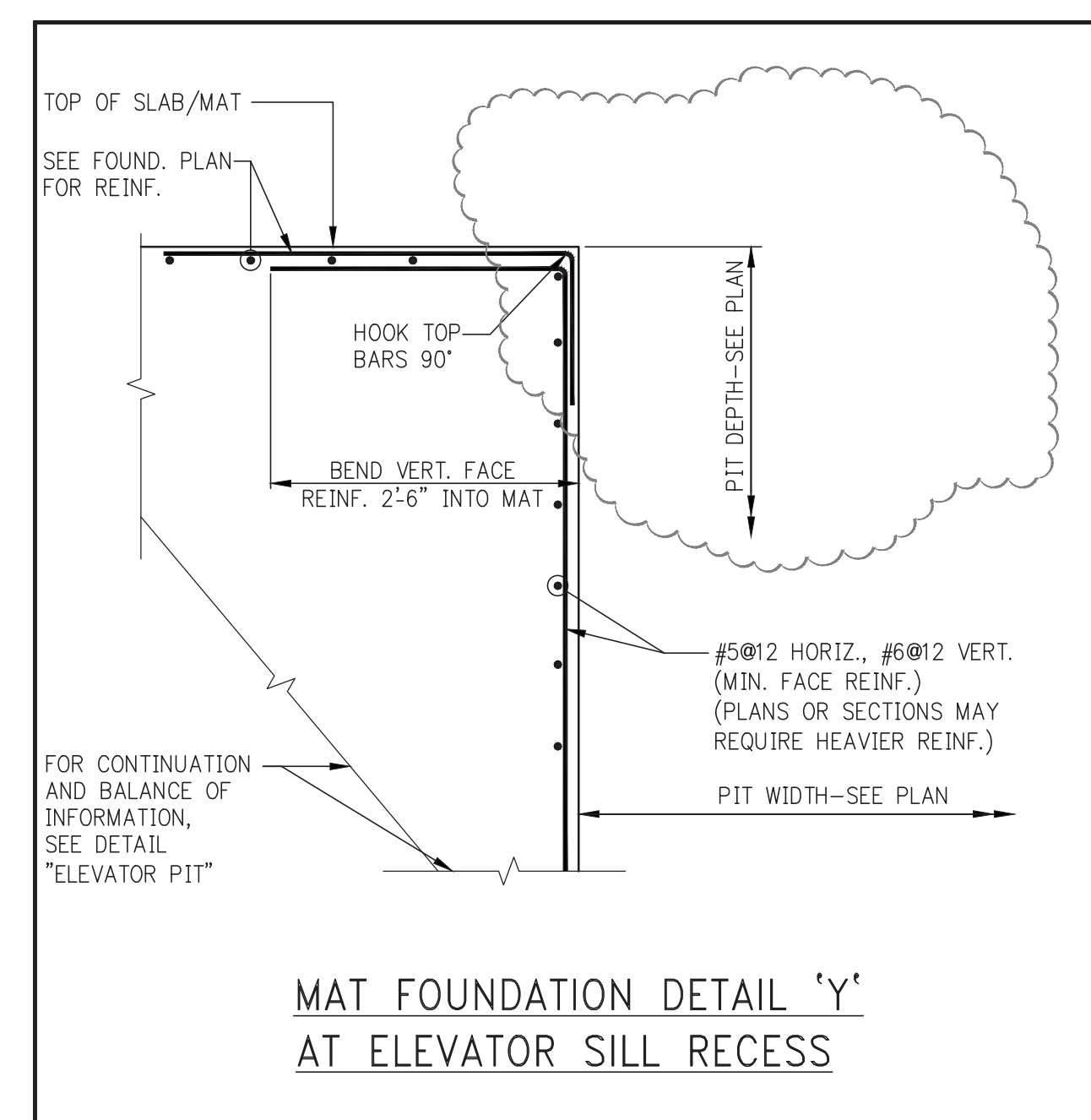
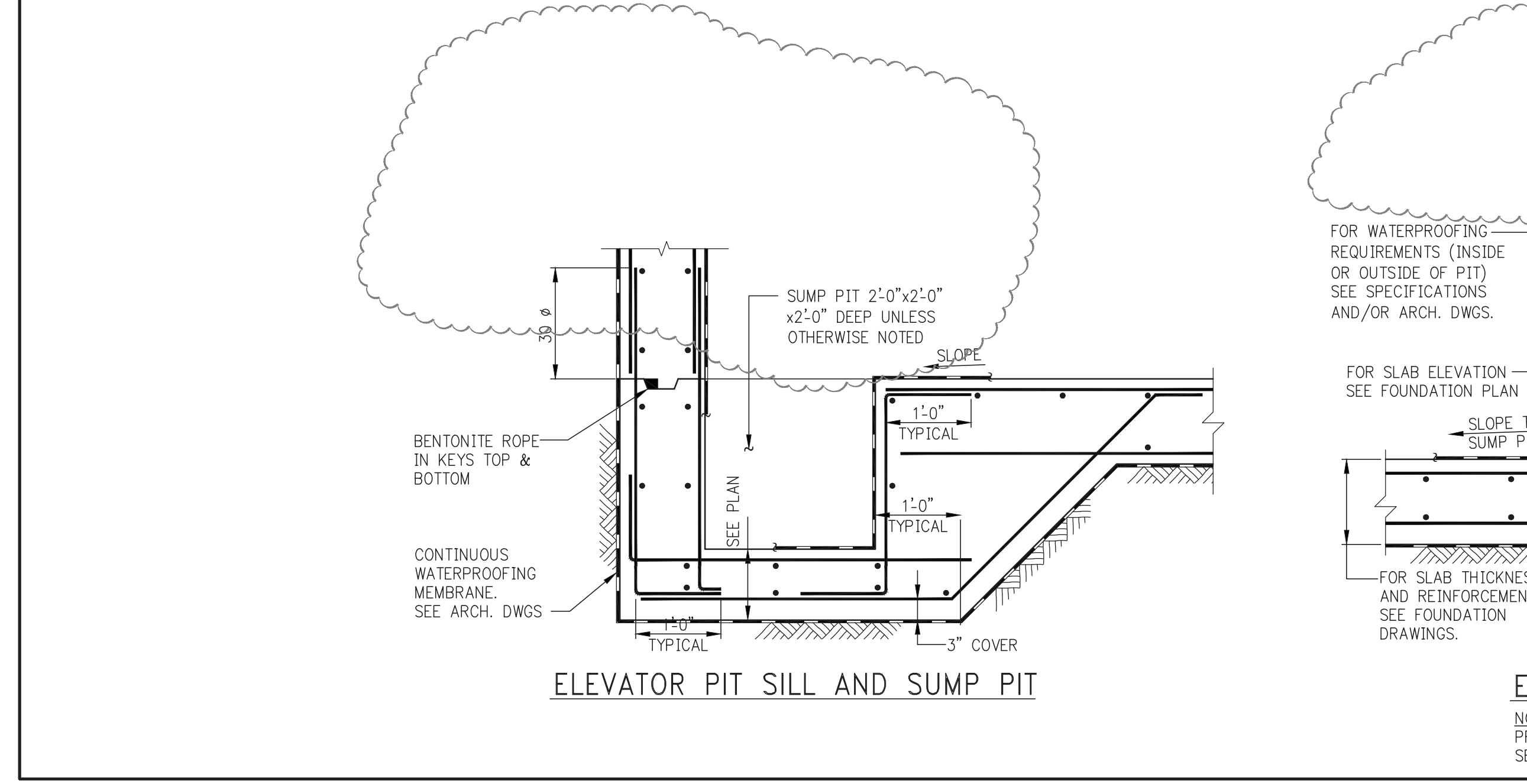
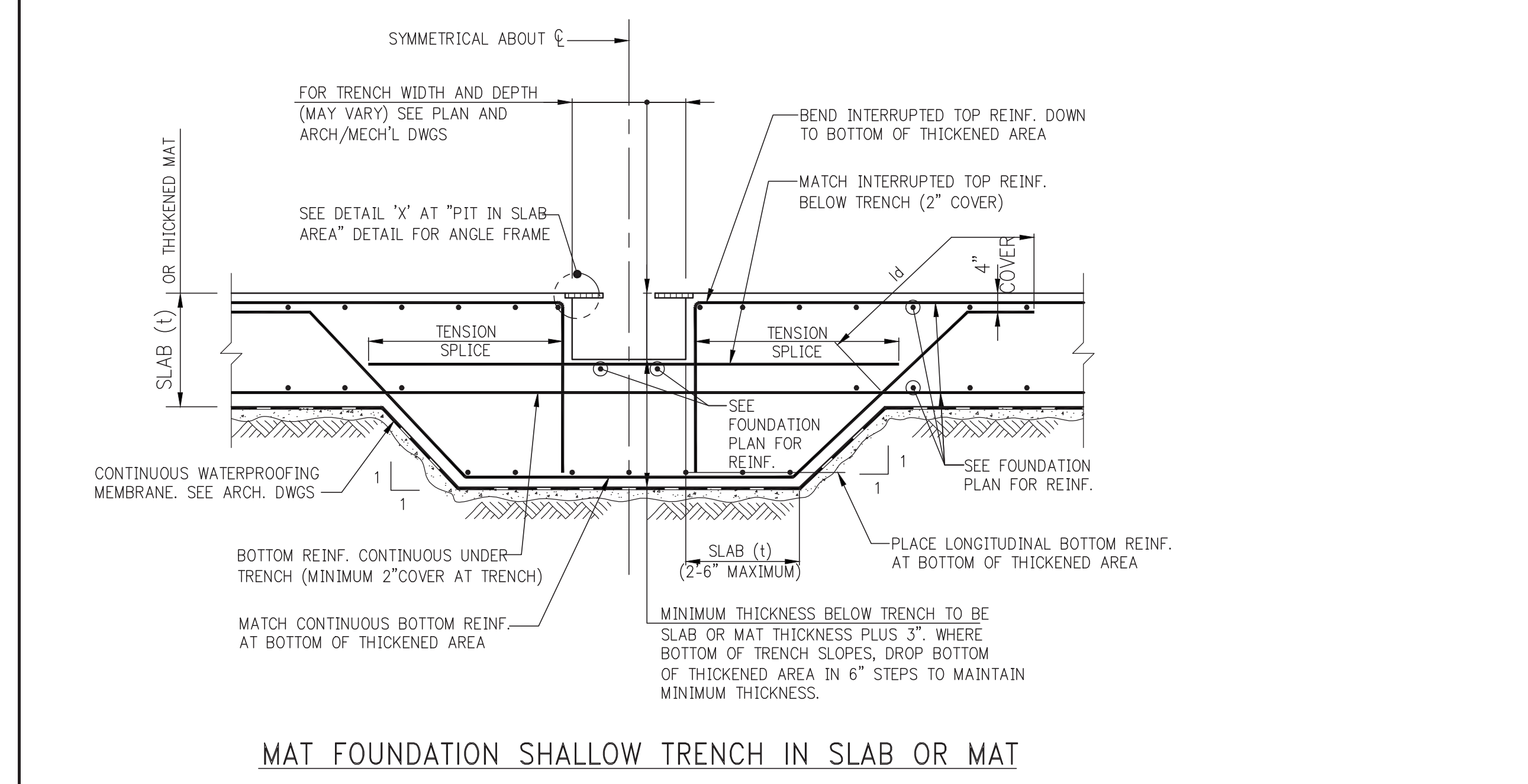
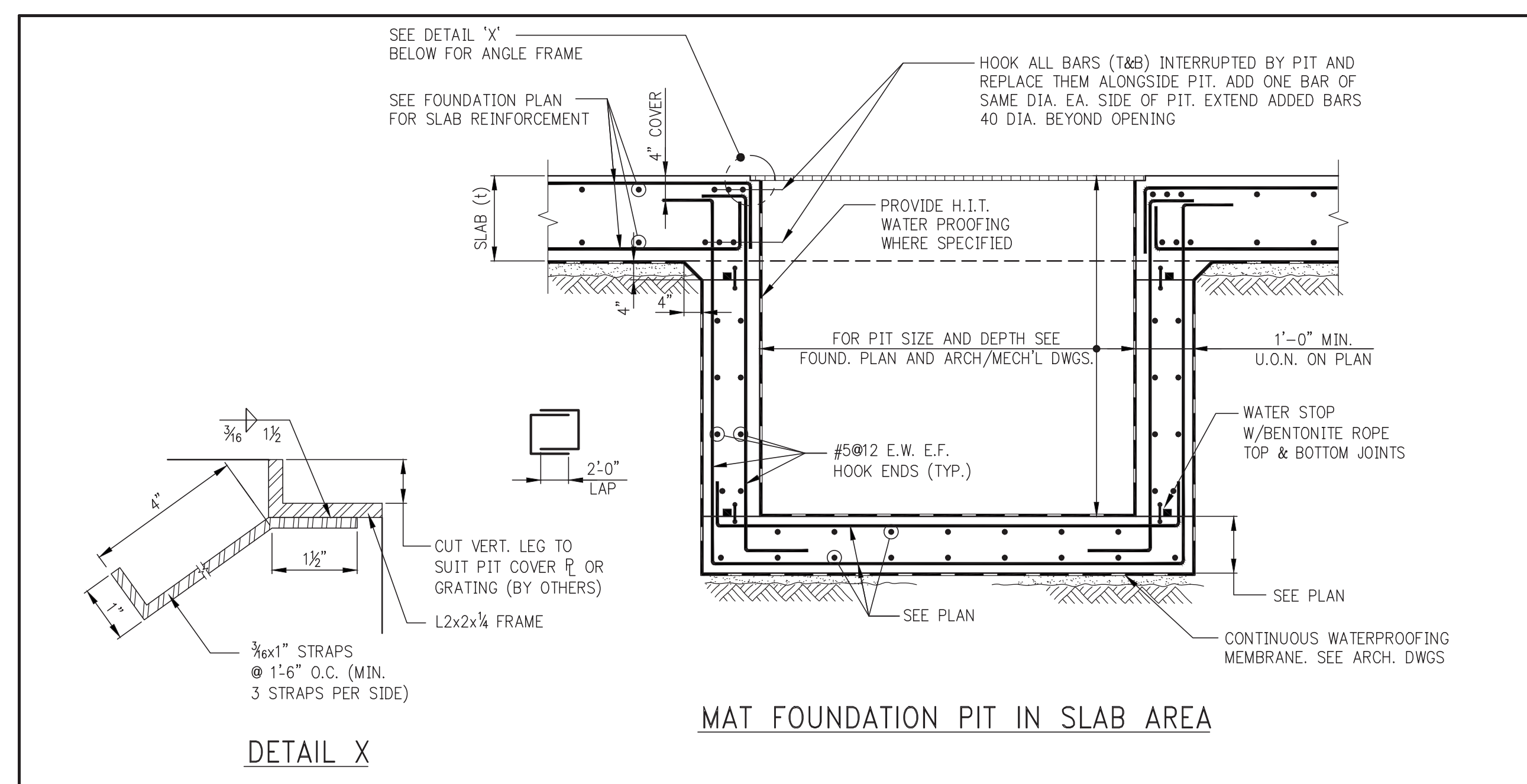
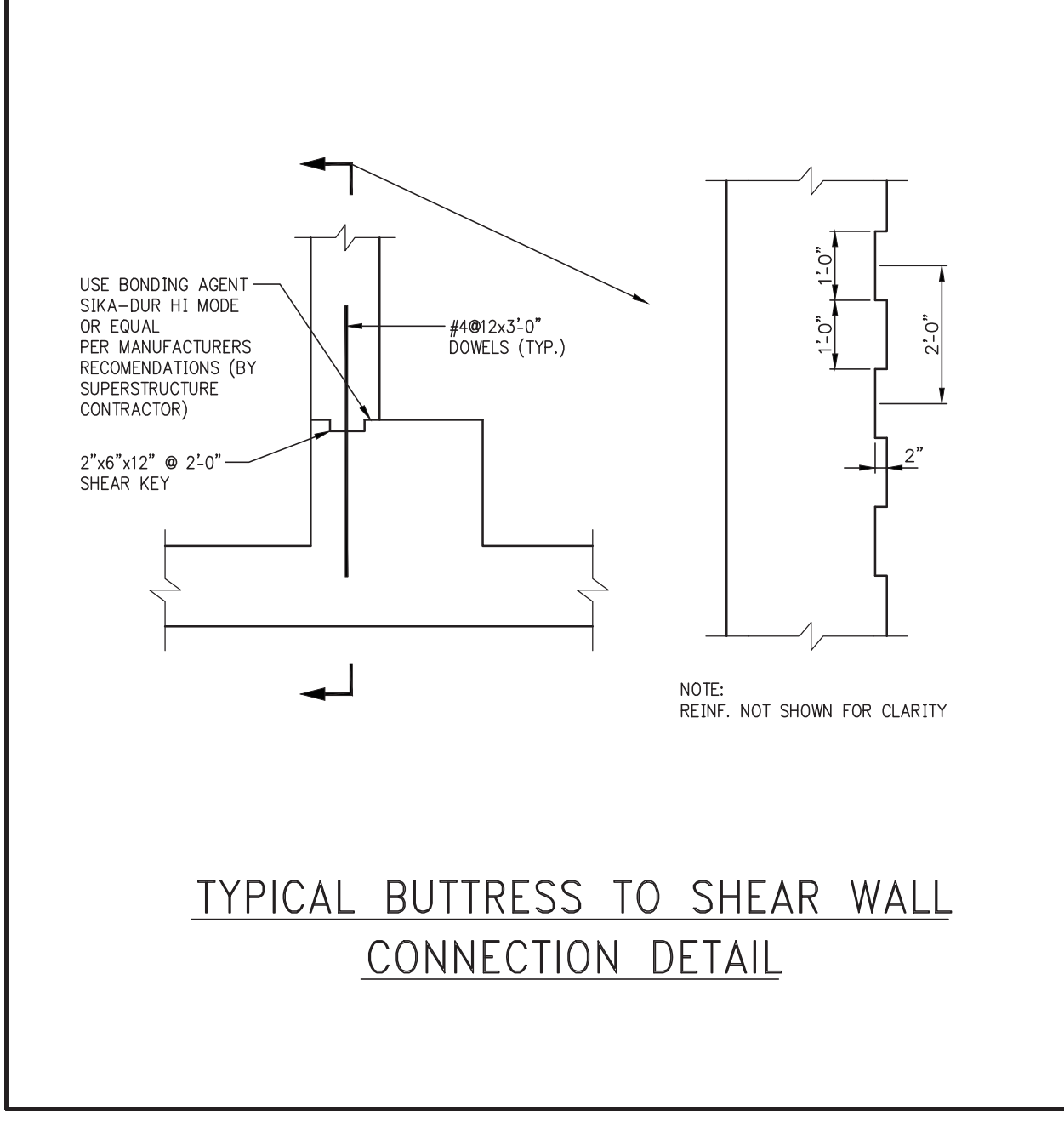
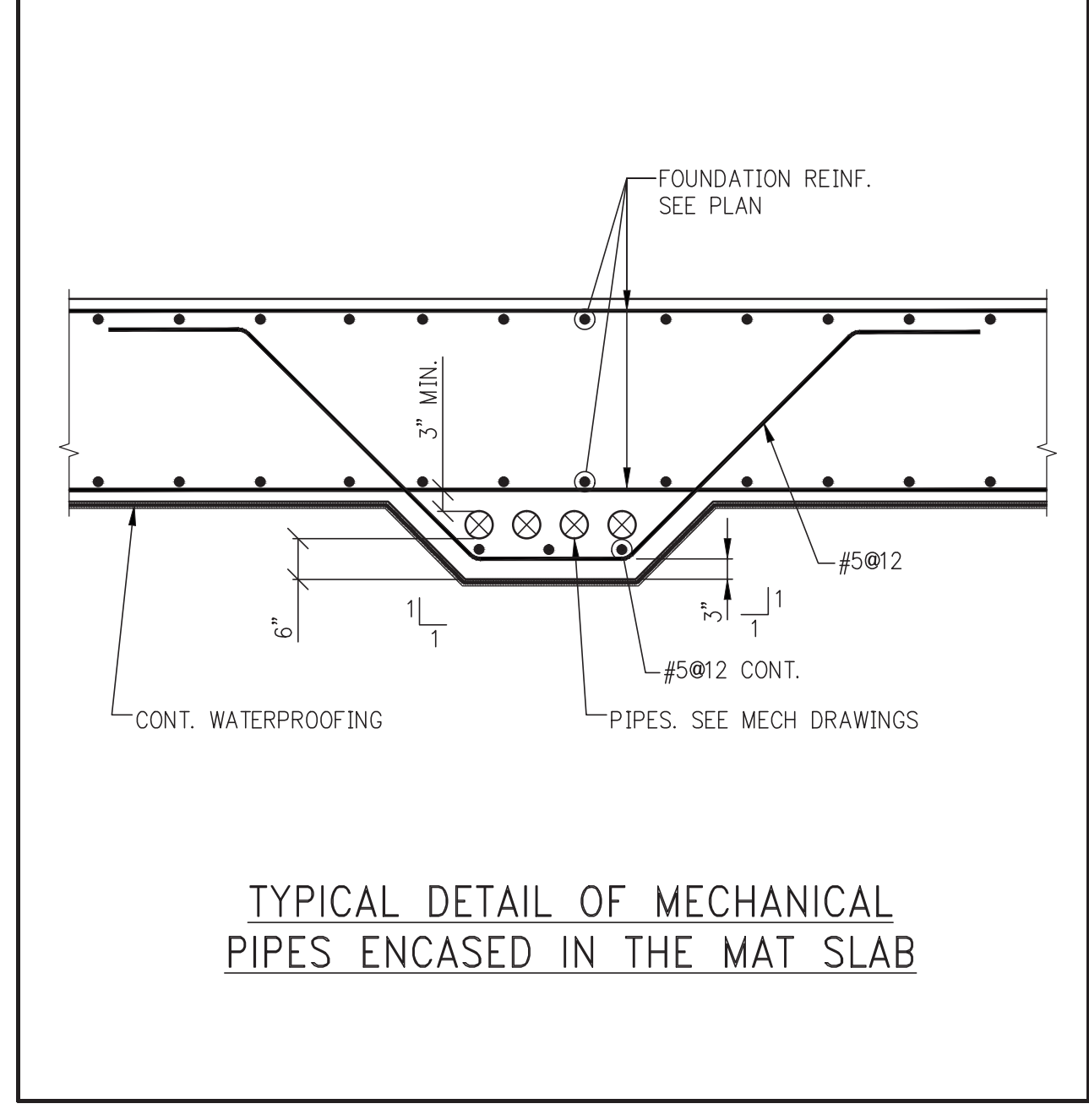
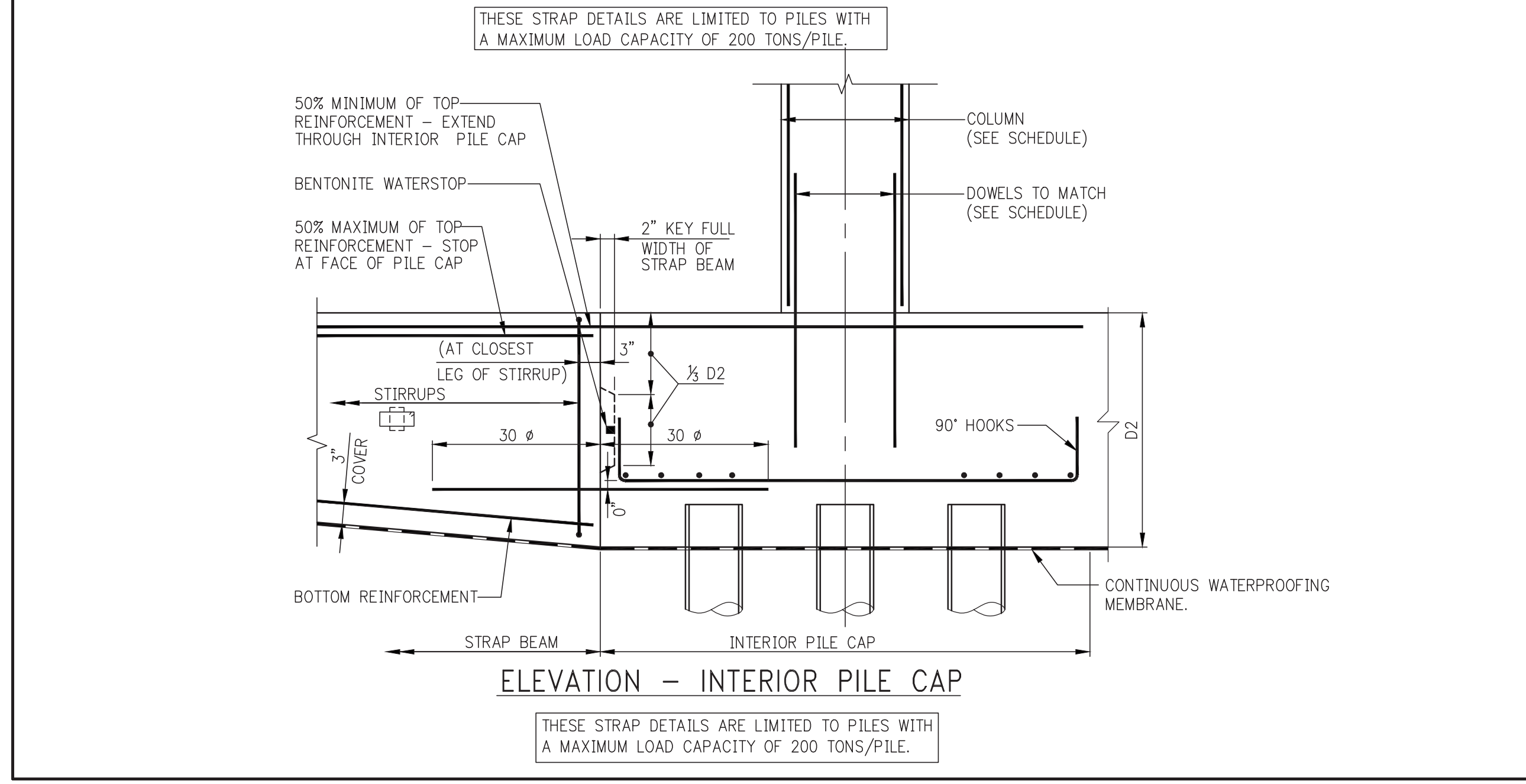
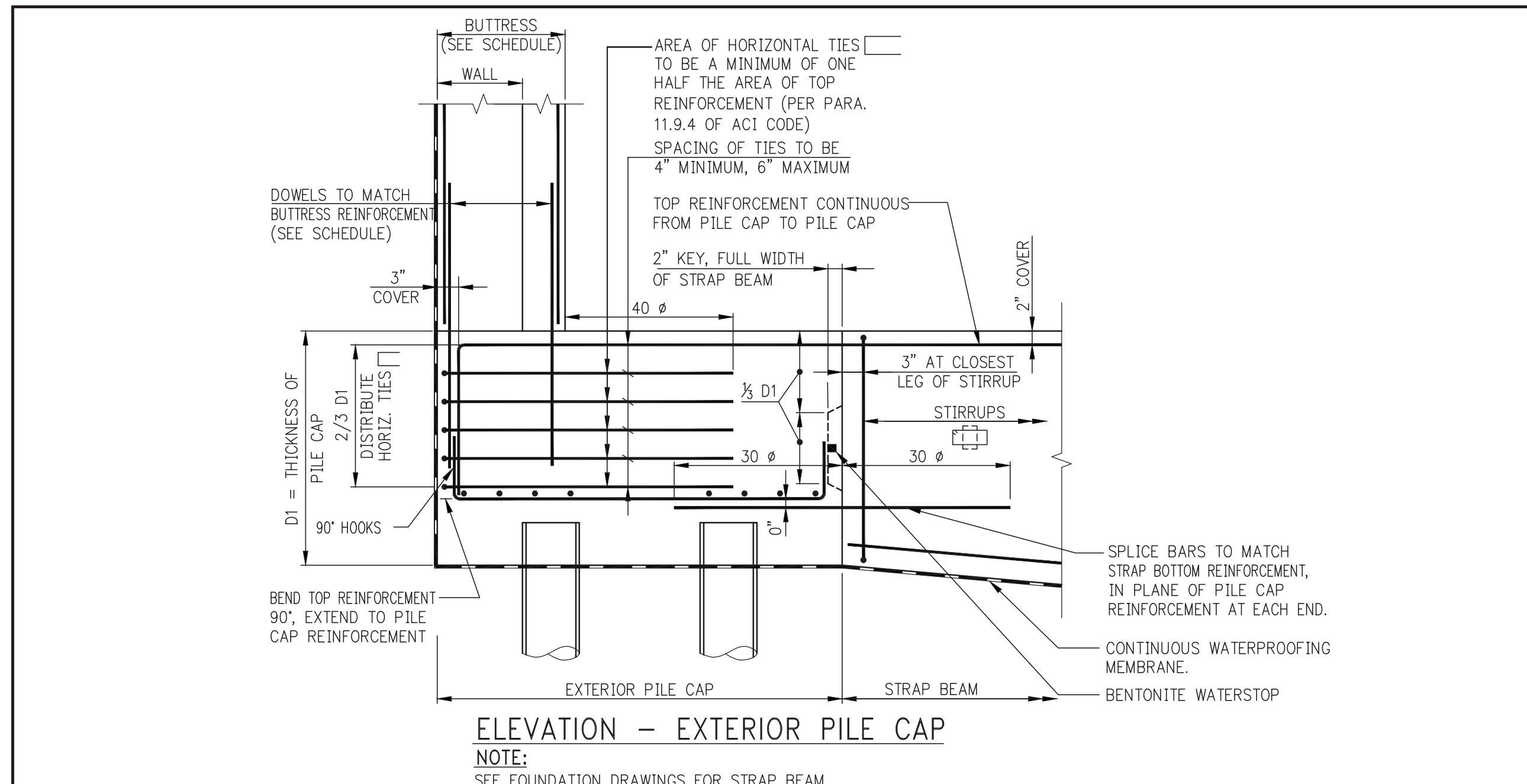
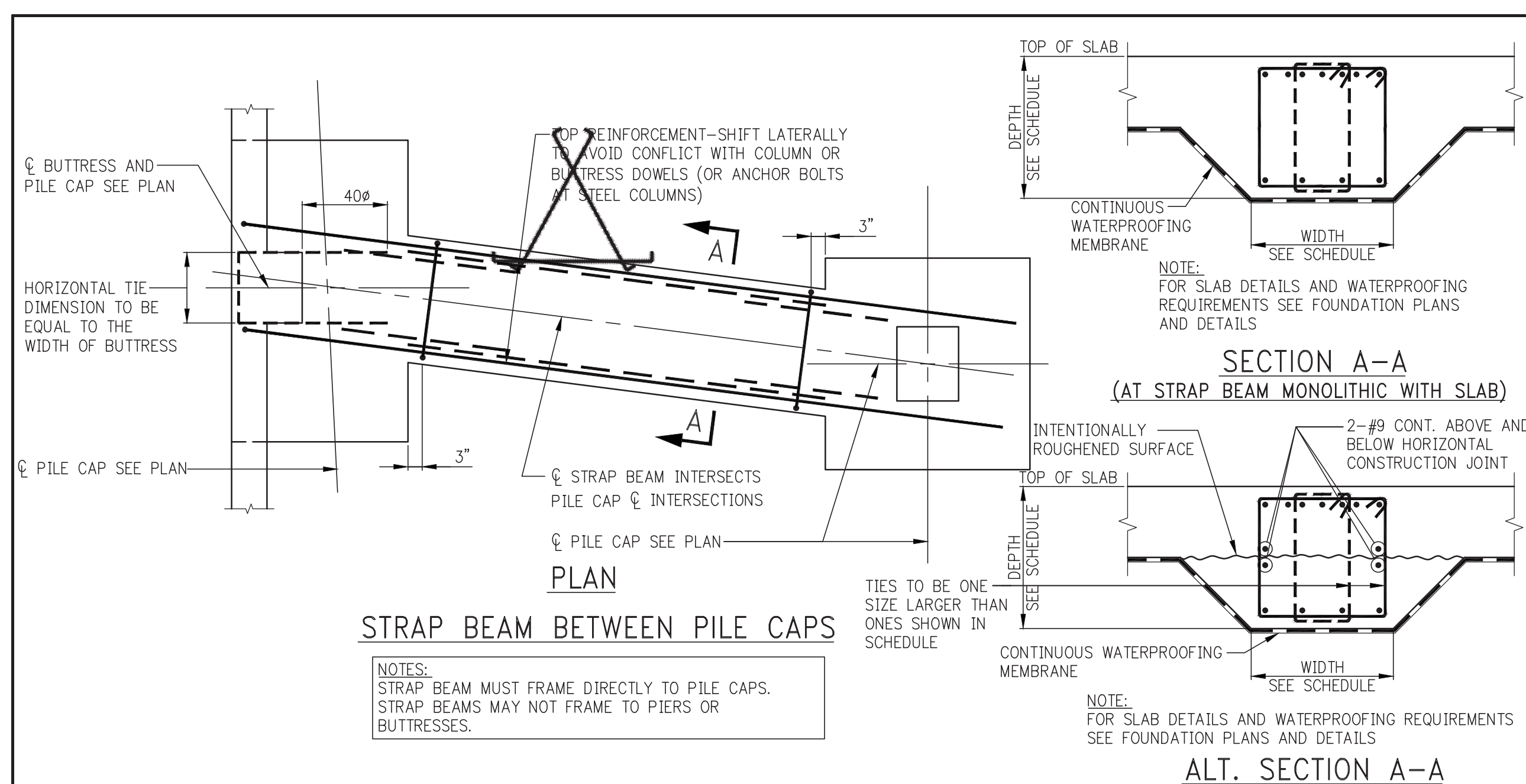
DOB EMPLOYEE STAMP: DOB B-SCAN:

Damian Titus
 Buildings APPROVED
 Under Directive 2 of 13/15
 NY State Professional Engineer
 Date: 04/11/2016
 NYC Development Hub



1 FOUNDATION PLAN - PART 5
FO-115 SCALE: 3/16" = 1'-0"
NOTE:
1. FOR NOTES SEE S-001

FILE NAME:
PLOT DATE:



KEY PLAN:

PROJECT: NORTH

DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD: **AAI ARCHITECTS, P.C.**
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER: **MEYER DAVIS**
180 Varick St, suite 404
New York, NY 10014
TEL: 212-627-5574

LANDSCAPE DESIGNER: **WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.**
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS: **WSP**
228 East 45th Street
New York, NY 10017
TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS: **ICOR ASSOCIATES, LLC**
485 C Route 1 South, Suite 209
Iselin, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS: **LANGAN ENGINEERING & ENVIRONMENTAL SERVICES**
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | 50% DO | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR COORDINATION | 08-15-14 |
| 7 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 8 | DESIGN DEVELOPMENT | 10-07-14 |
| 9 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 10 | ISSUED FOR FILING | 02-13-15 |
| 11 | CONCRETE BID PACKAGE | 03-06-15 |
| 12 | ADDENDUM #6 | 06-03-15 |
| 13 | ISSUED FOR FILING | 07-28-15 |
| 14 | 80% CONSTRUCTION DOCUMENTS | 08-14-15 |
| 14 | ASI #13 | 08-26-15 |
| 15 | ISSUED FOR FILING | 03-07-16 |

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CONSULTANT: **WSP**

PROJECT: **252 SOUTH STREET**
NEW YORK, NY

DRAWING TITLE: **TYPICAL FOUNDATION DETAILS 4**

SEAL & SIGNATURE:

DATE: 07/25/14

PROJECT No: 1302510

DRAWN: CADD

CHK: CL

SCALE: N.T.S.

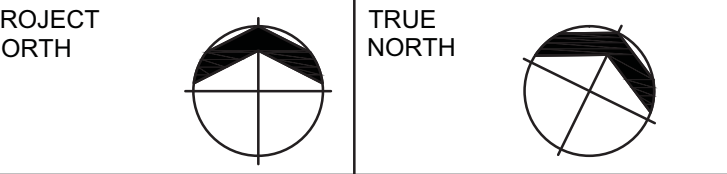
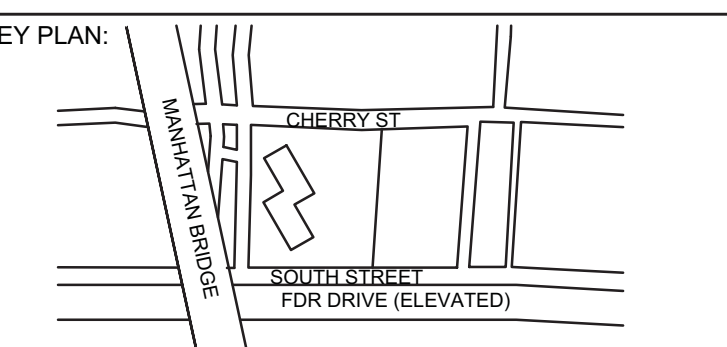
DWG No: **FO-203.01**

DOB PAGE No: of

DOB EMPLOYEE STAMP:

DOB B-SCAN:

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1935
MINIMUM PROFESSIONAL LIABILITY
Date: 06/11/2016
NYC Development Hub



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
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New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER:
MEYER DAVIS
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TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
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New York, NY 10017
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21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | ADDENDUM #4 | 04-24-15 |
| 2 | ADDENDUM #6 | 06-03-15 |
| 3 | ADDENDUM #7 | 06-17-15 |
| 4 | ADDENDUM #9 | 07-10-15 |
| 5 | ADDENDUM #10 | 07-22-15 |
| 6 | ISSUED FOR FILING | 07-28-15 |
| 7 | BOX CONSTRUCTION DOCUMENTS | 08-14-15 |
| 8 | ADDENDUM #11 | 09-25-15 |
| 9 | ADDENDUM #14 | 10-22-15 |
| 10 | ADDENDUM #15 | 11-18-15 |
| 11 | ADDENDUM #16 | 02-04-16 |
| 12 | ISSUED FOR FILING | 03-07-16 |

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CONSULTANT:
WSP

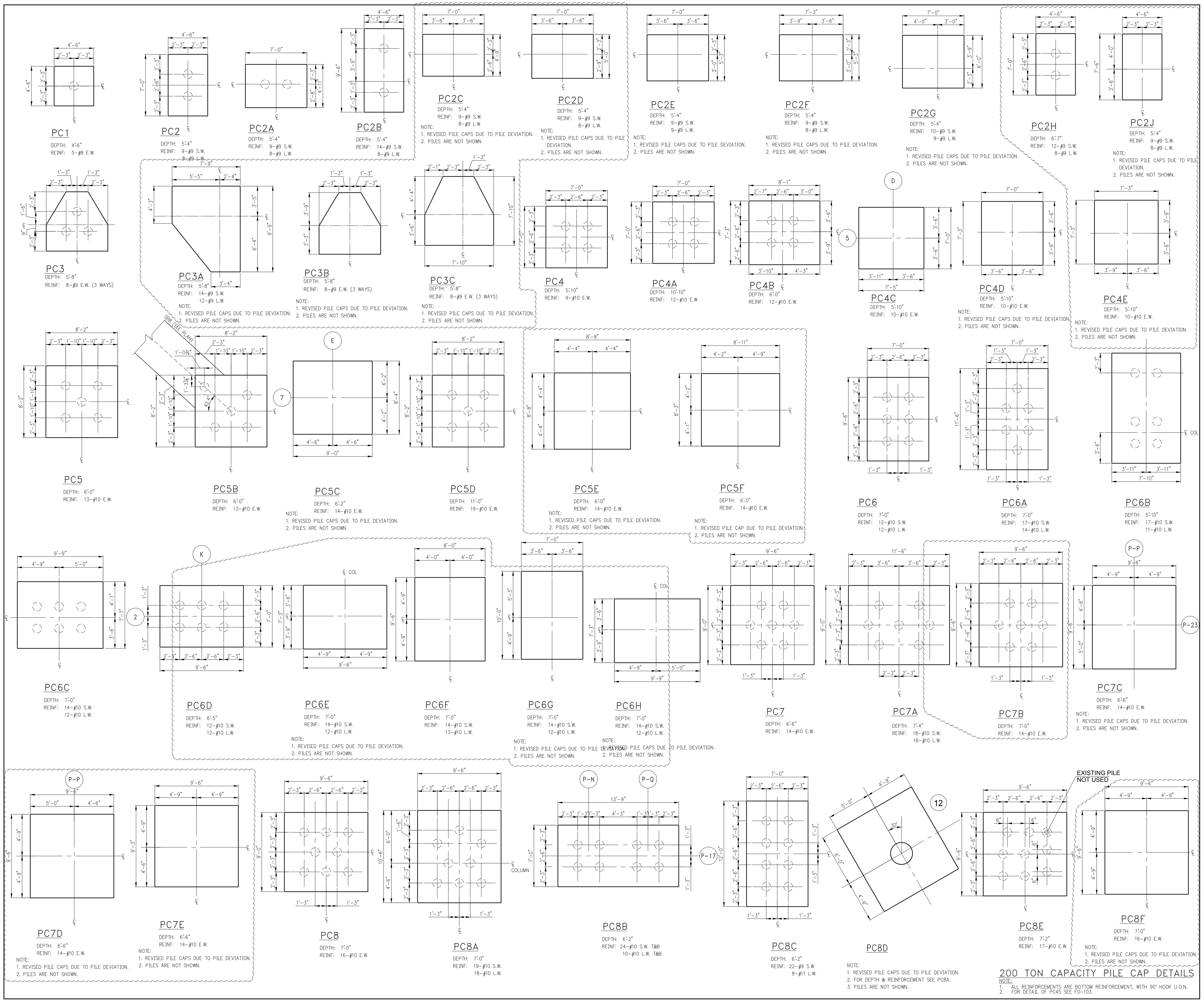
PROJECT:
**252 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
**TYPICAL FOUNDATION
DETAILS 7**

SEAL & SIGNATURE:

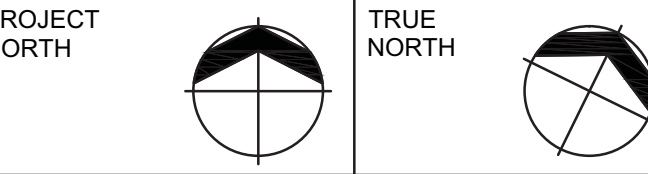
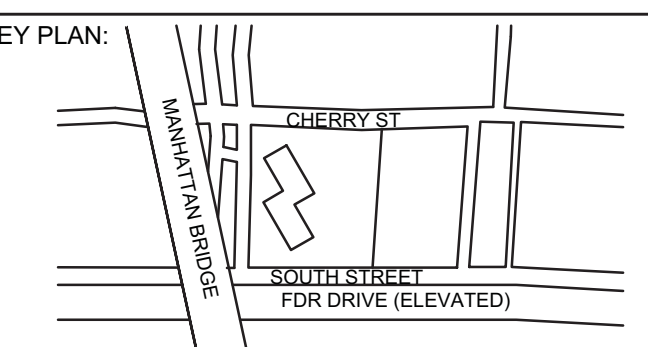
DATE: 07/25/14
PROJECT No: 1302510
DRAWN: CADD REV:
CHK: CL
SCALE: AS SHOWN
DWG No: **FO-206.01**
DOB PAGE No: of
DOB EMPLOYEE STAMP: DOB B-SCAN:

Damian Titus
Building APPROVED
Under Directive 2 of 1975
NYC Development Hub



20 TON CAPACITY PILE CAP DETAILS

NOTE:
1. ALL REINFORCEMENTS ARE BOTTOM REINFORCEMENT, WITH 90° HOOK U.O.N.
2. FOR DETAIL OF PC45 SEE FO-103.



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER:
MEYER DAVIS
180 Varick St, suite 404
New York, NY 10014
TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST & URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
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New York, NY 10017
TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS:
ICOR ASSOCIATES, LLC
485 C Route 1 South, Suite 209
Iselin, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | ADDENDUM #7 | 06-17-15 |
| 2 | ADDENDUM #8 | 07-10-15 |
| 3 | ISSUED FOR FILING | 07-28-15 |
| 4 | 80% CONSTRUCTION DOCUMENTS | 08-14-15 |
| 5 | ADDENDUM #11 | 09-25-15 |
| 6 | ADDENDUM #14 | 10-22-15 |
| 7 | ADDENDUM #15 | 11-18-15 |
| 8 | ASI #57 | 02-26-16 |
| 9 | ISSUED FOR FILING | 03-07-16 |

NOT FOR CONSTRUCTION

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

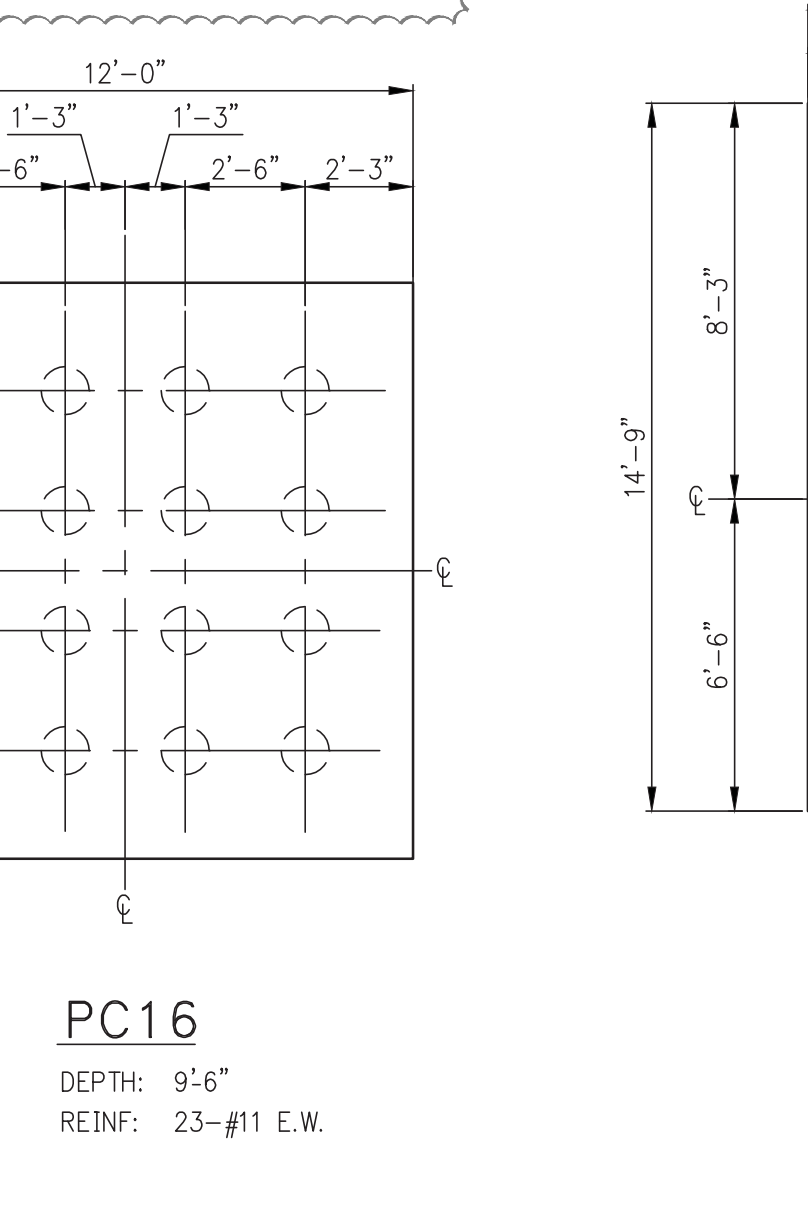
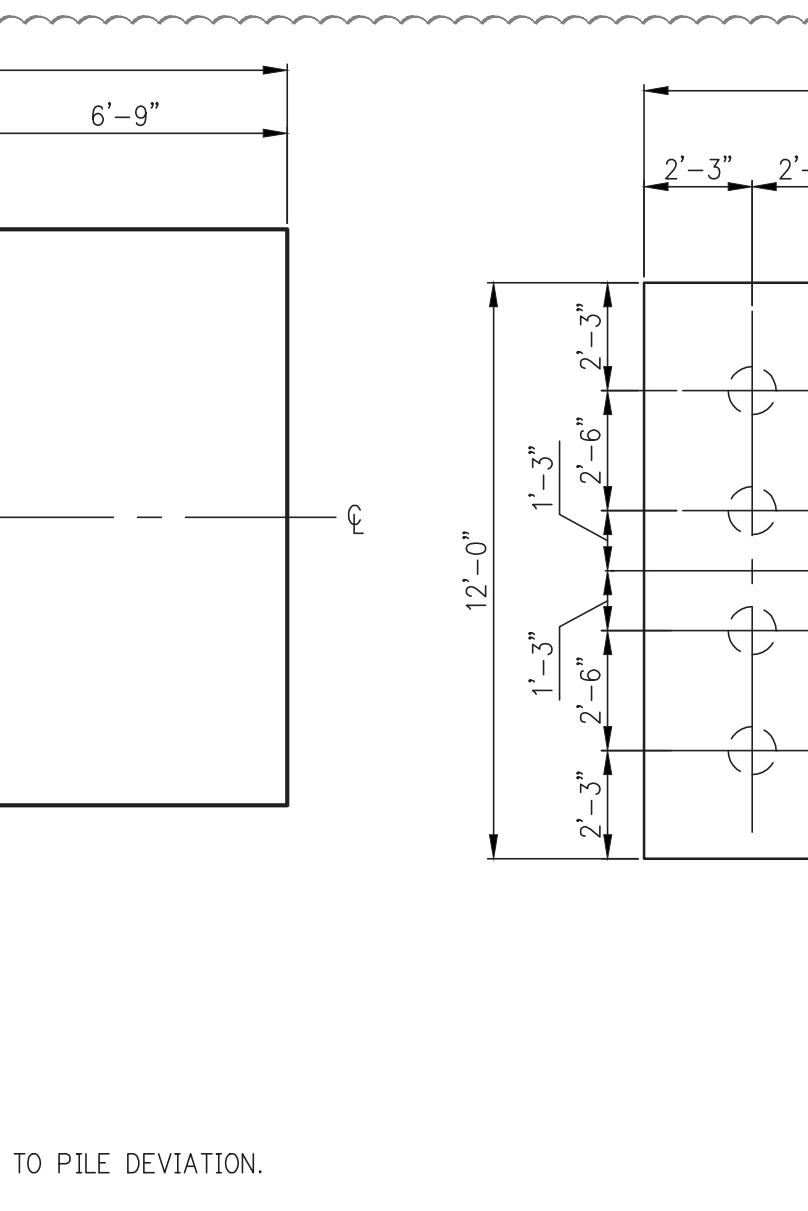
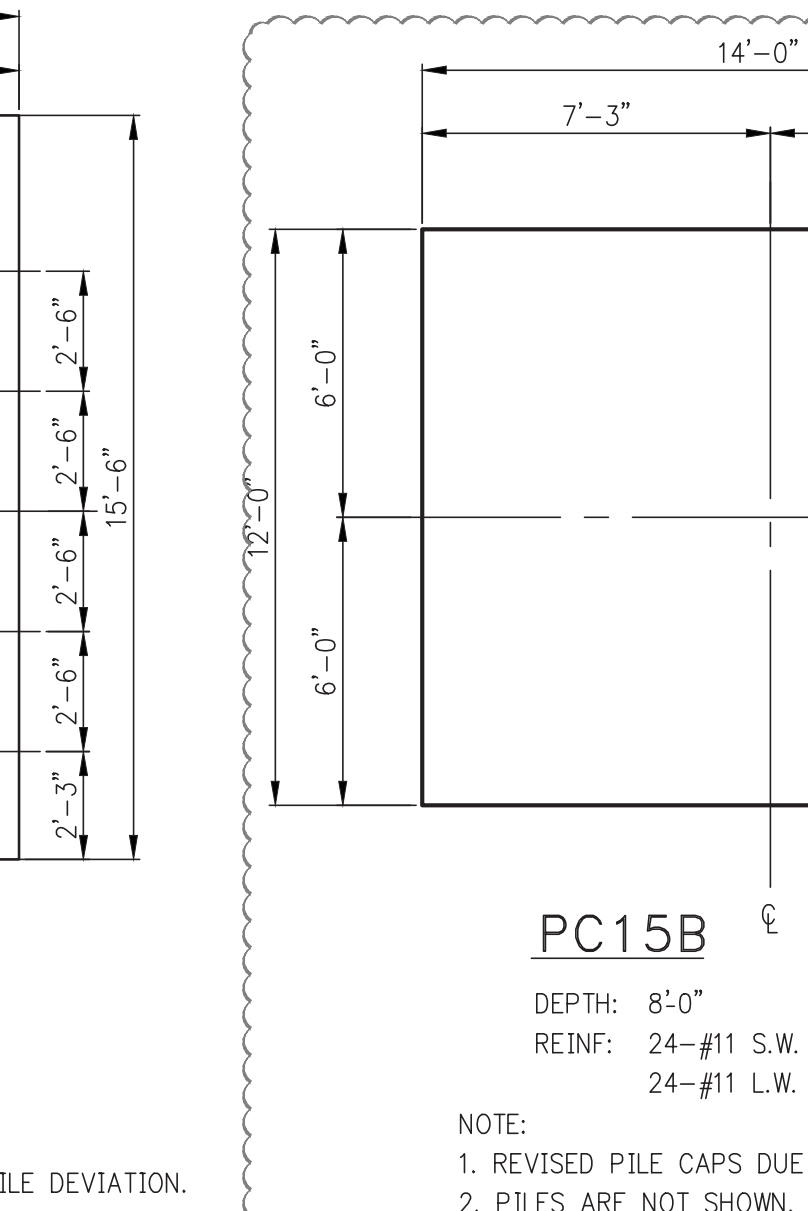
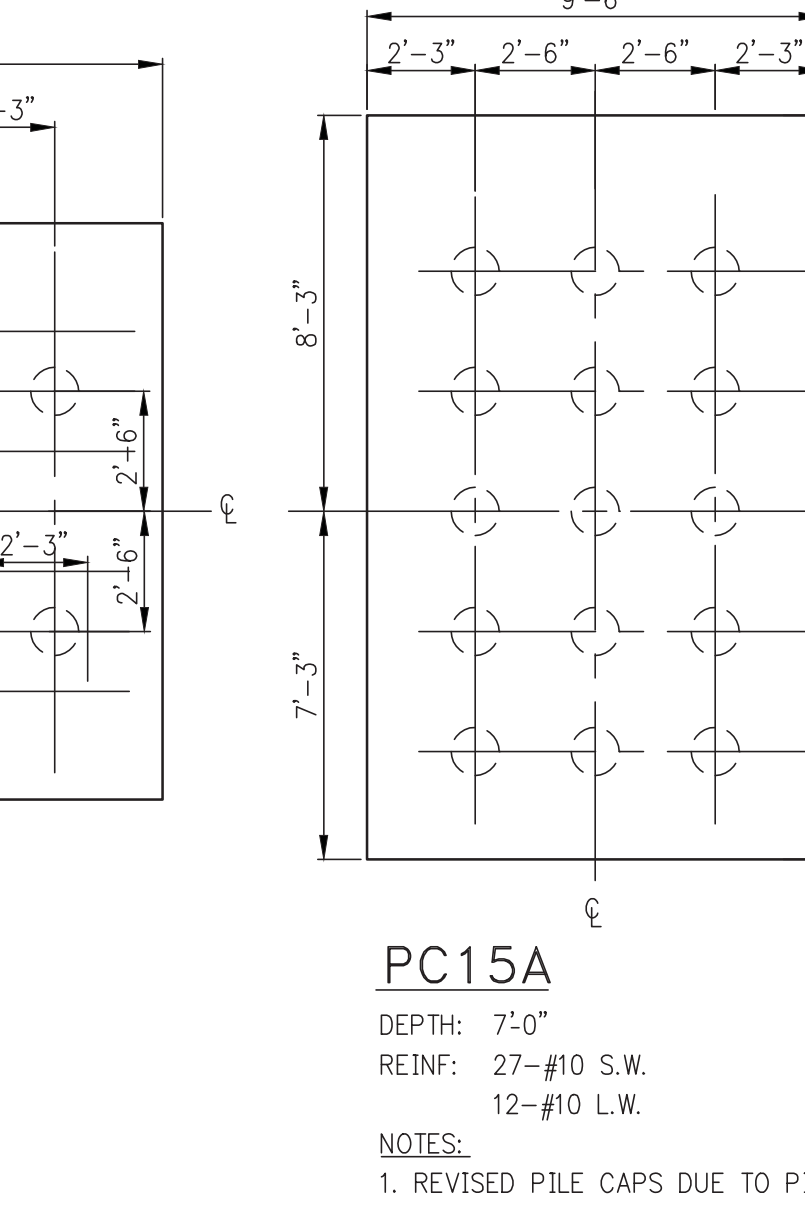
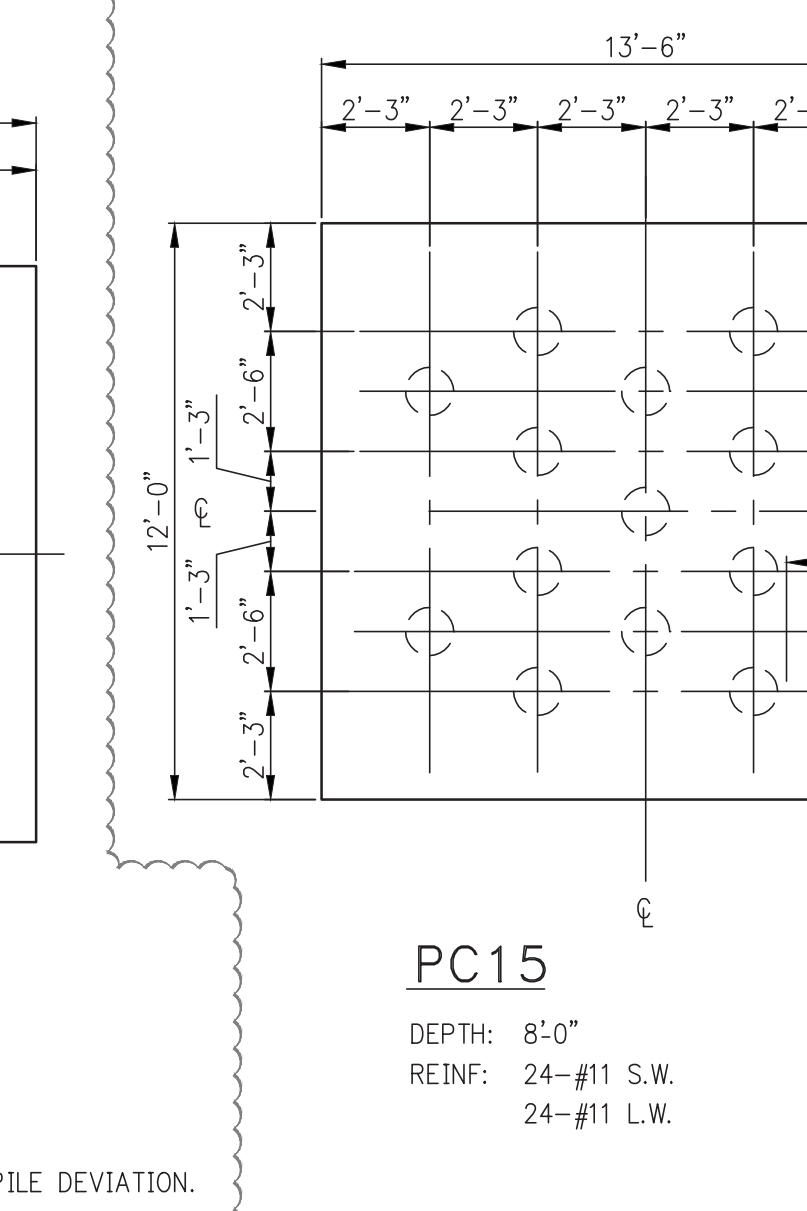
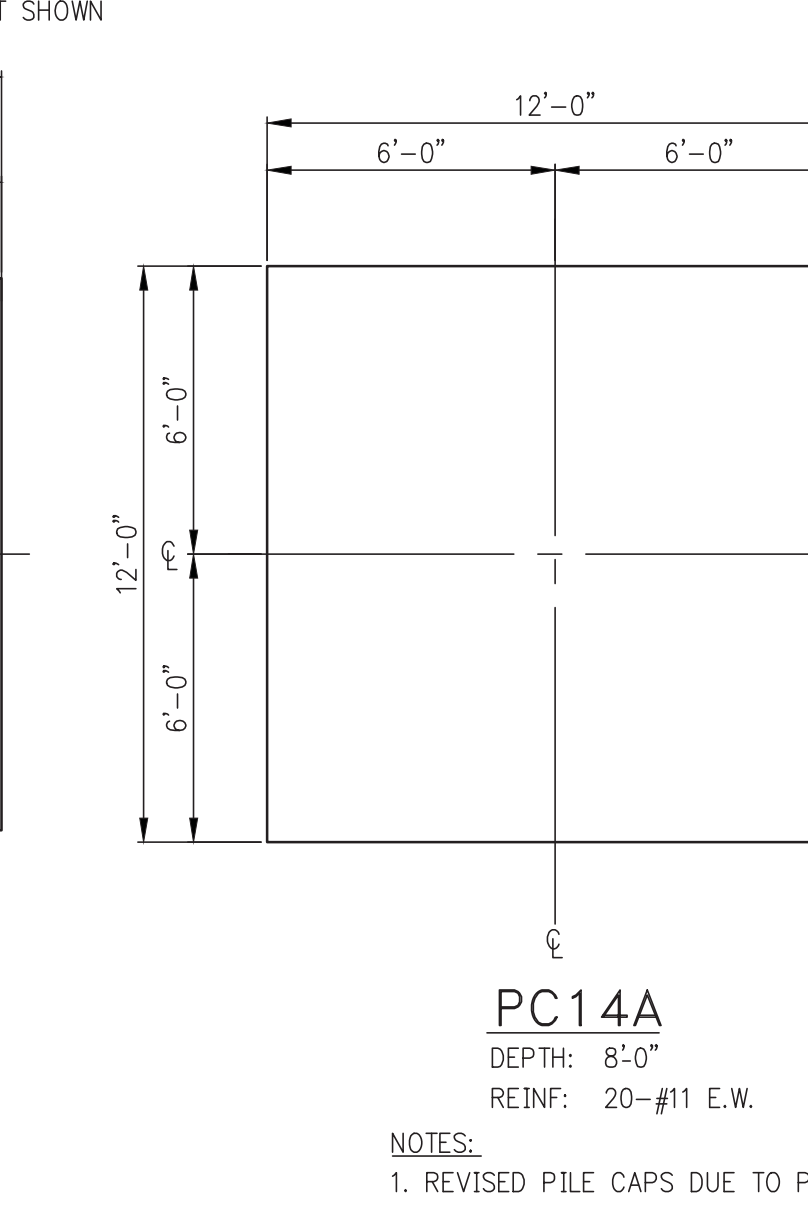
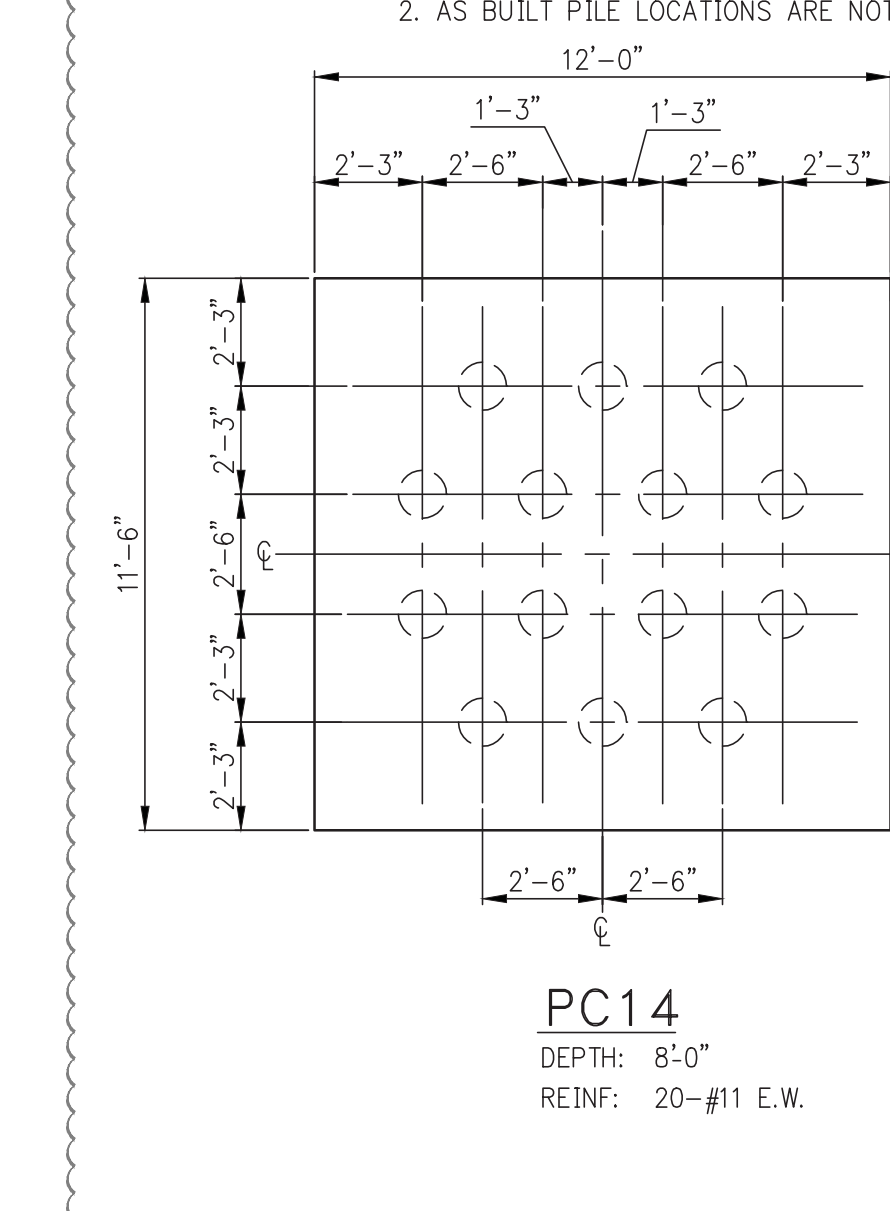
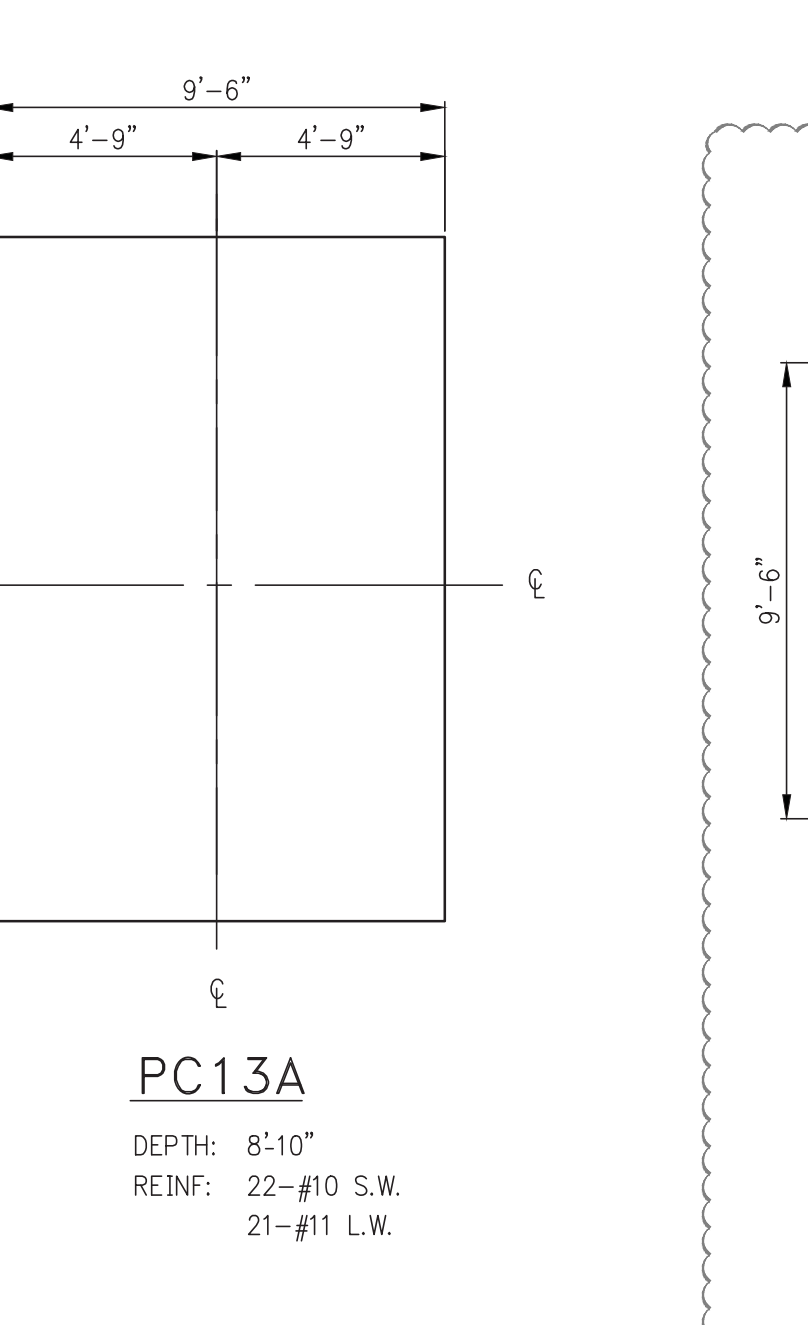
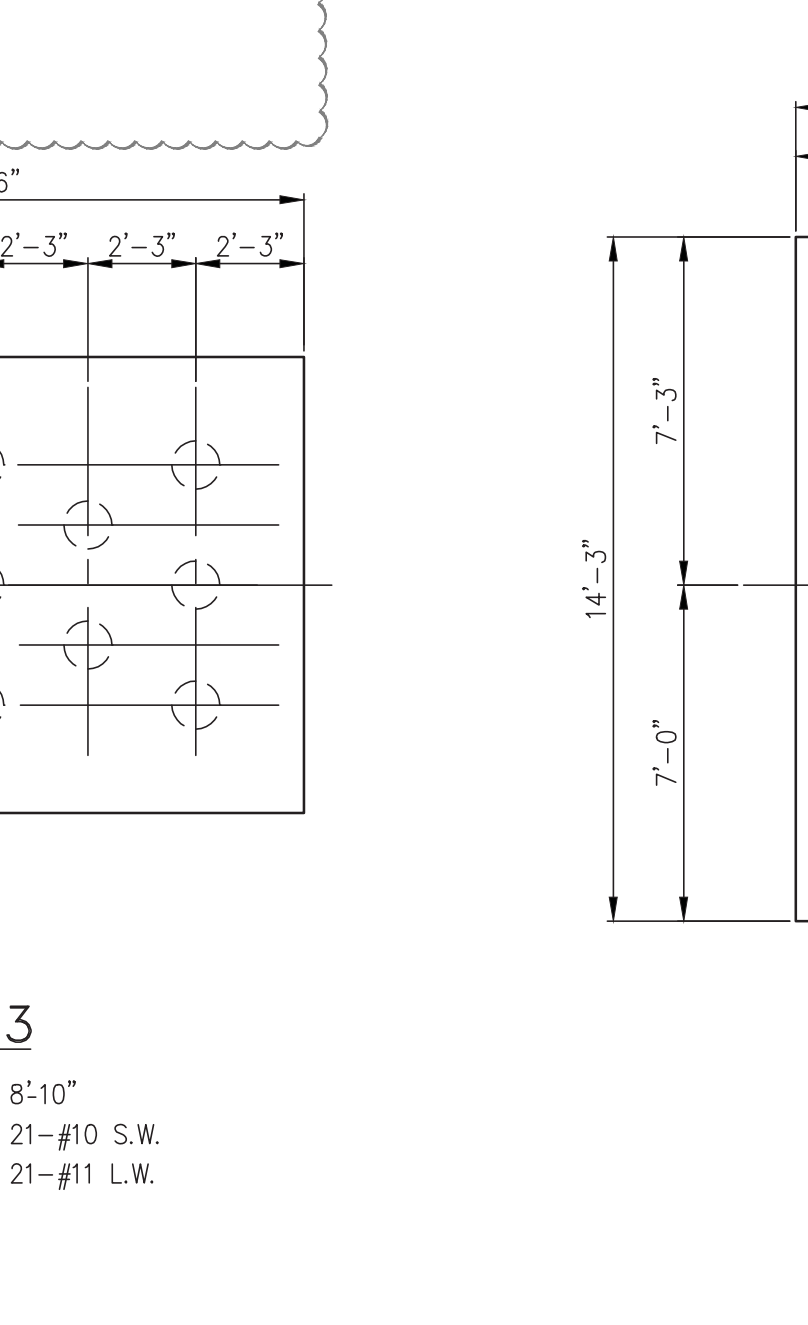
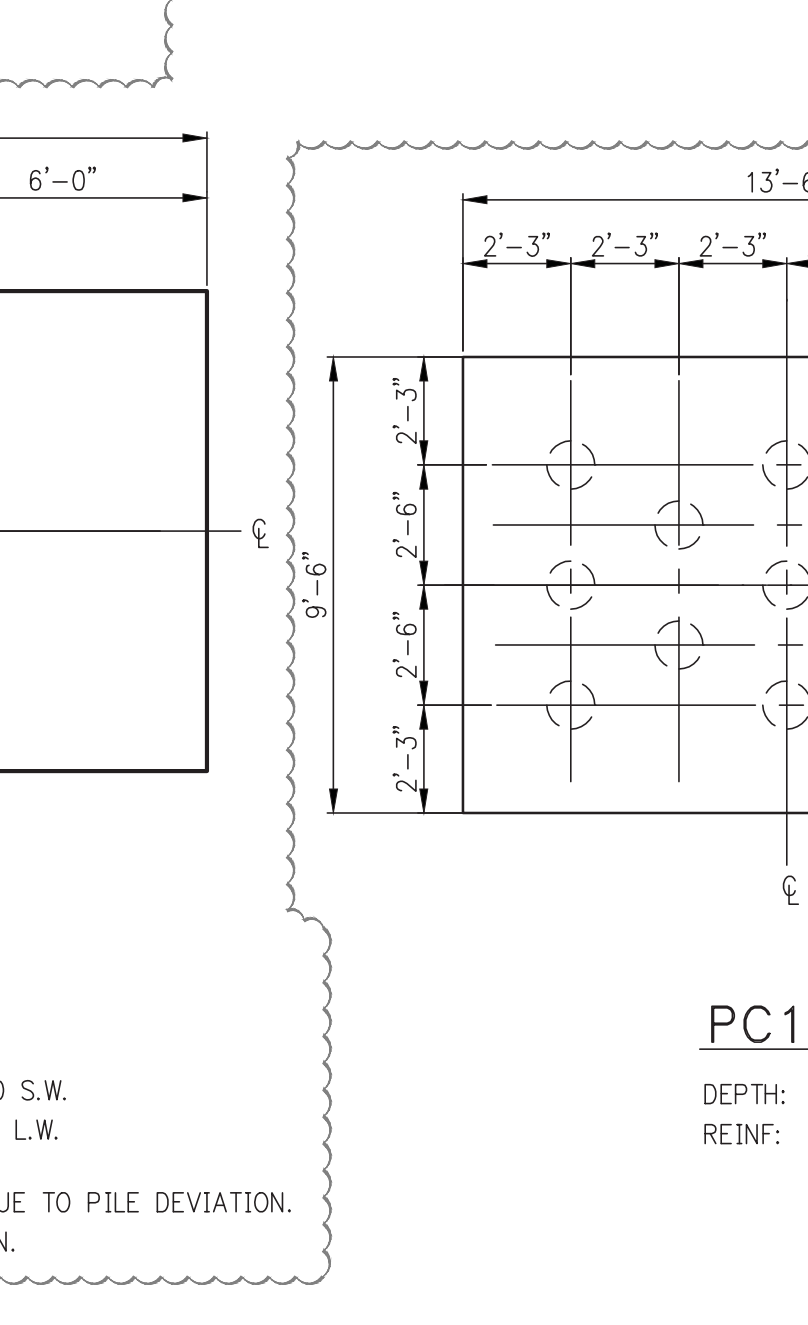
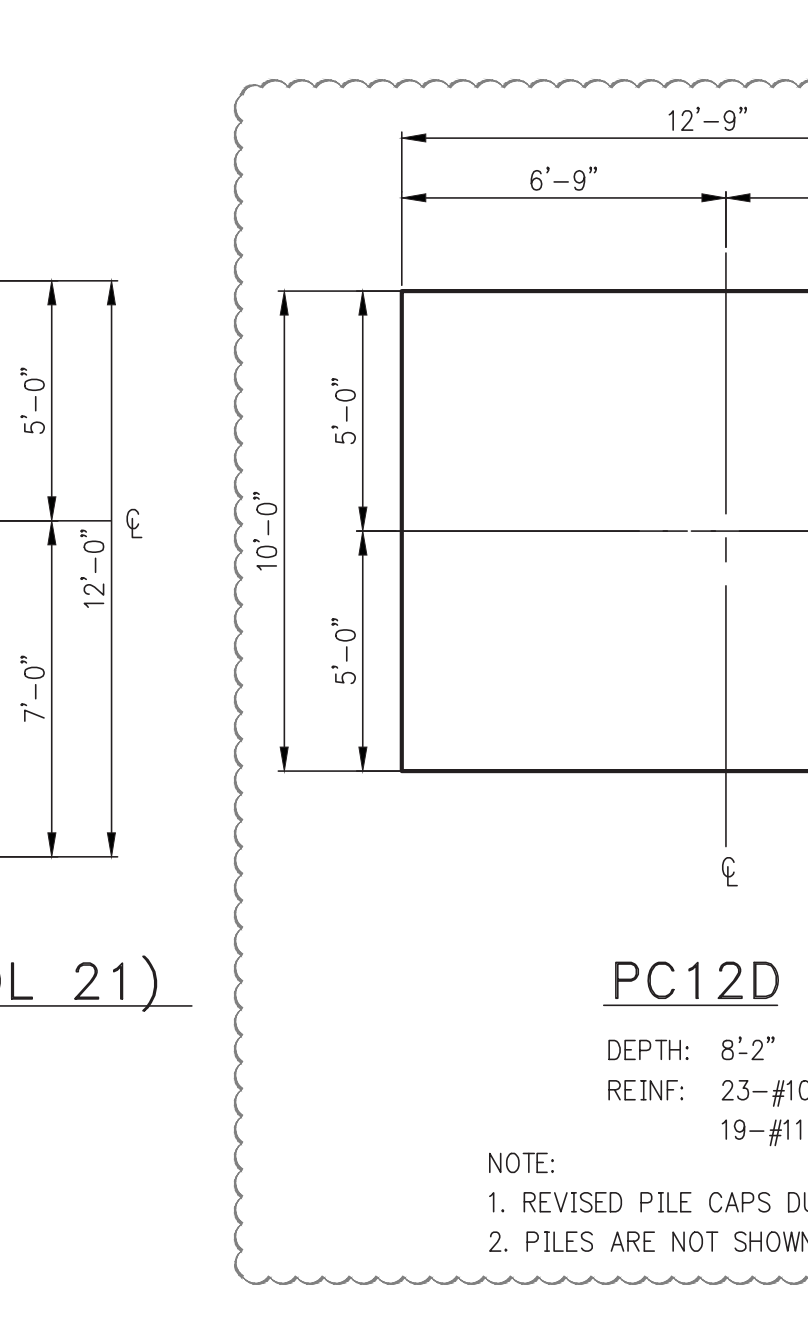
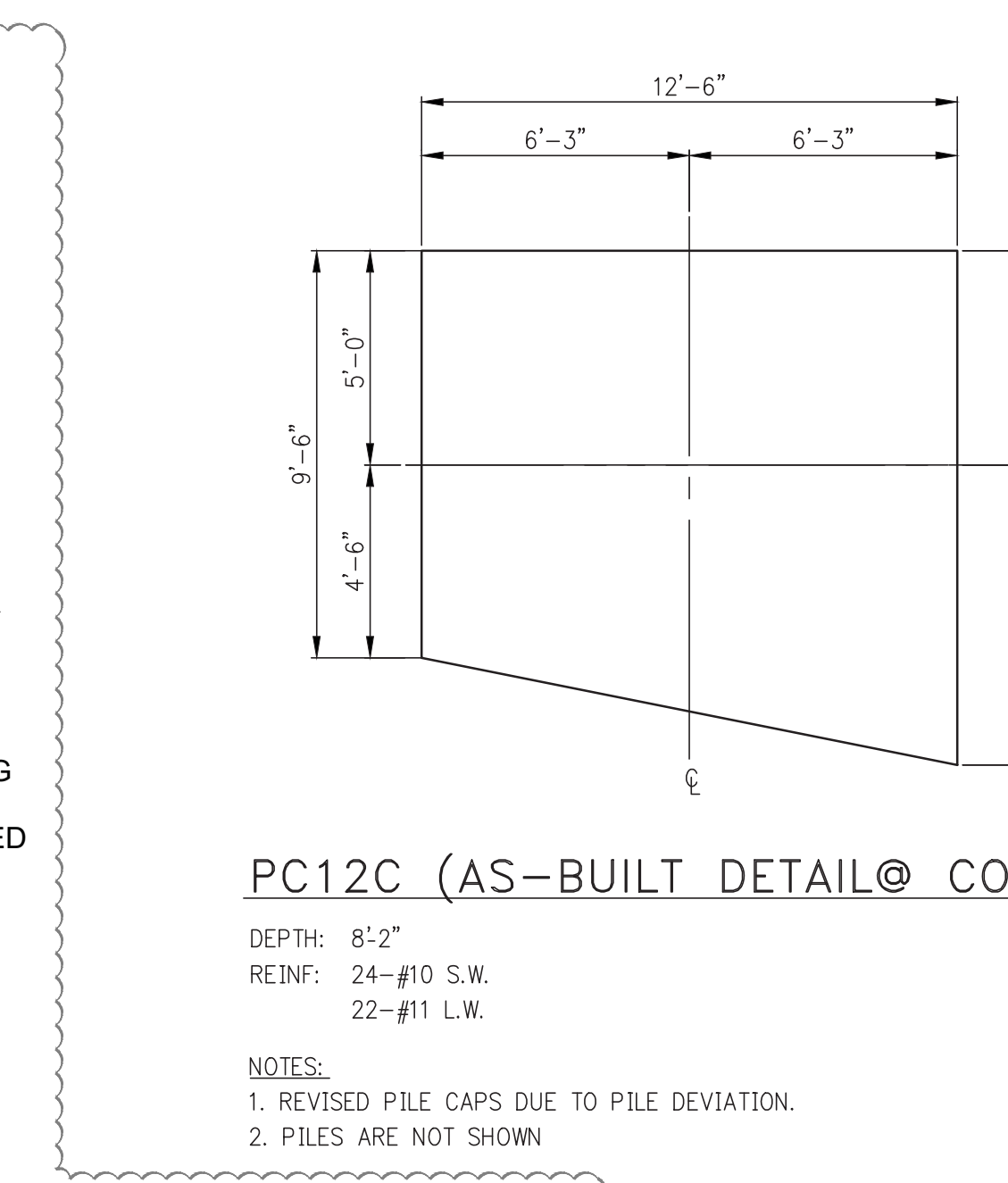
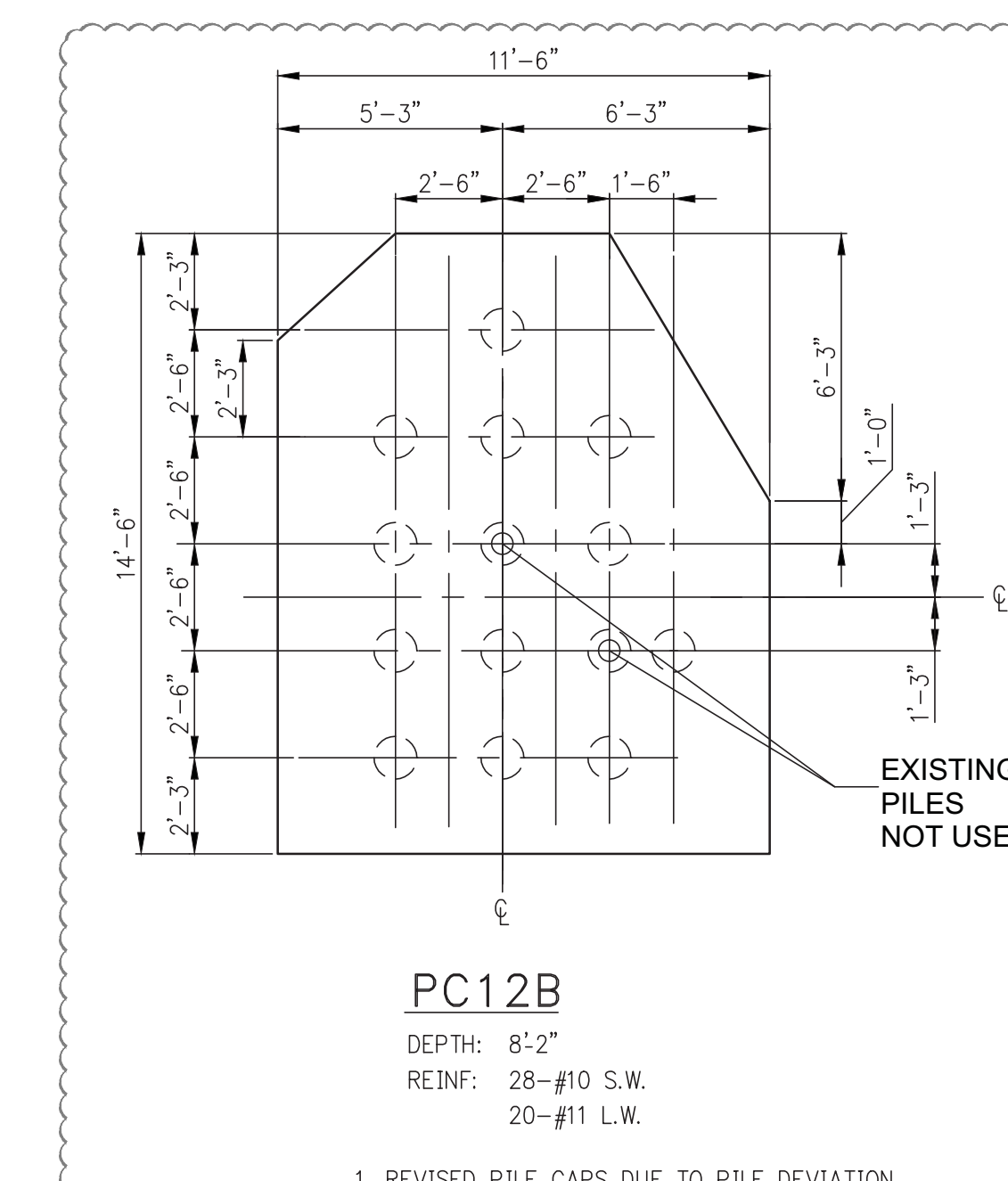
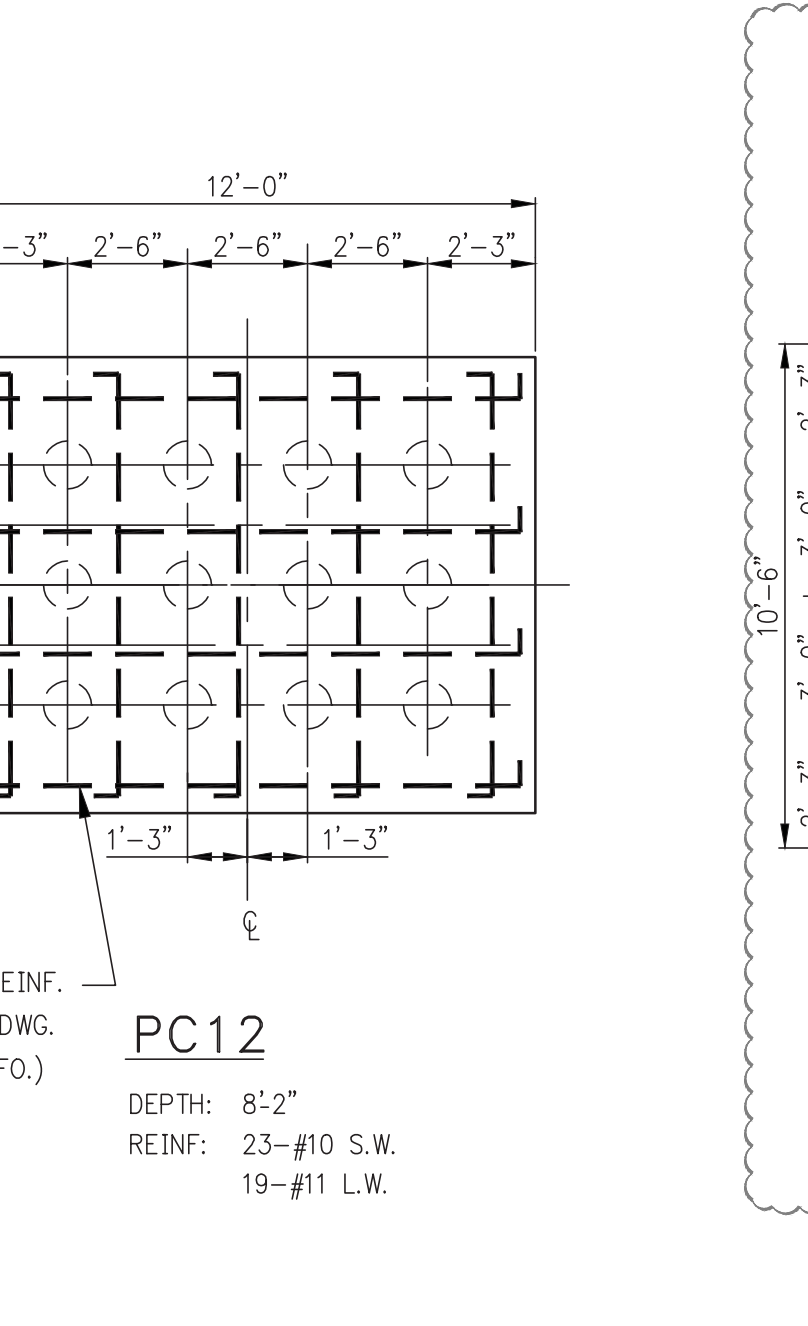
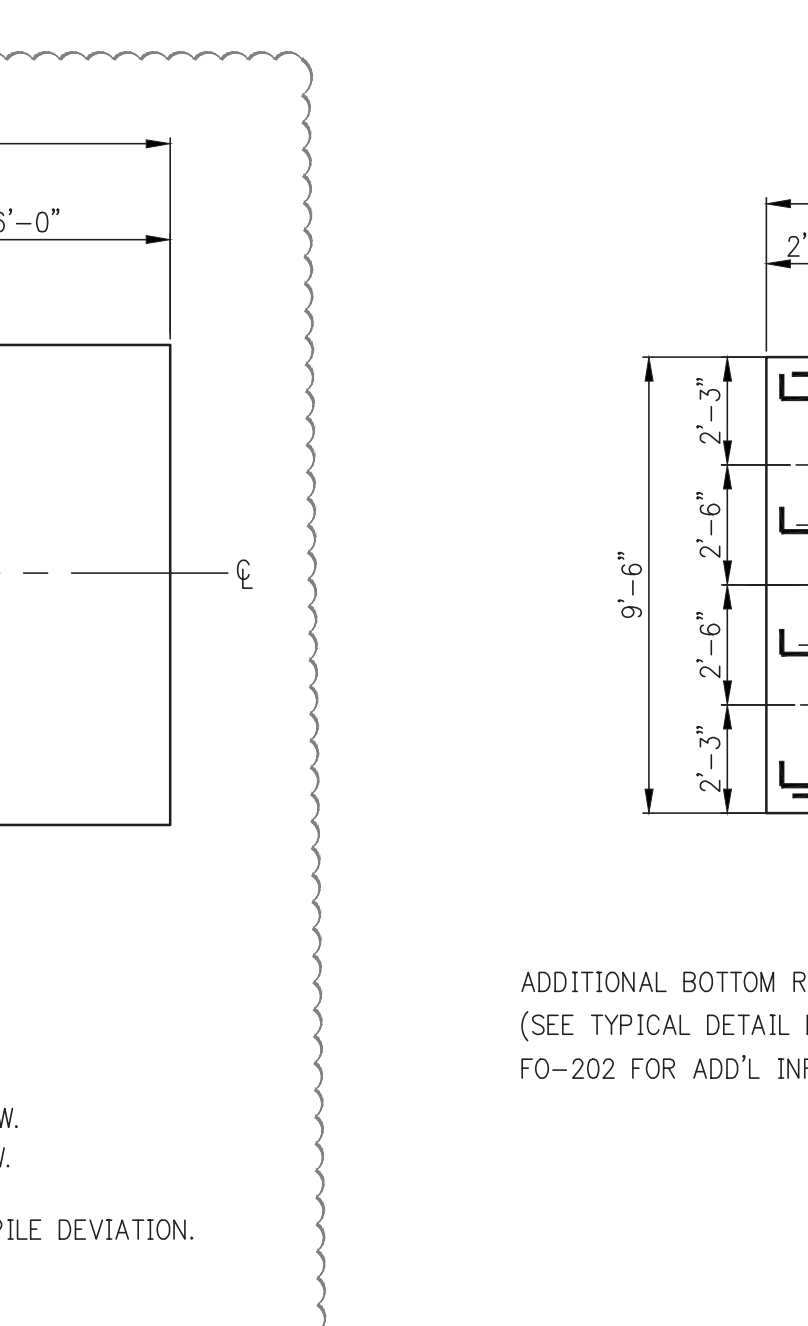
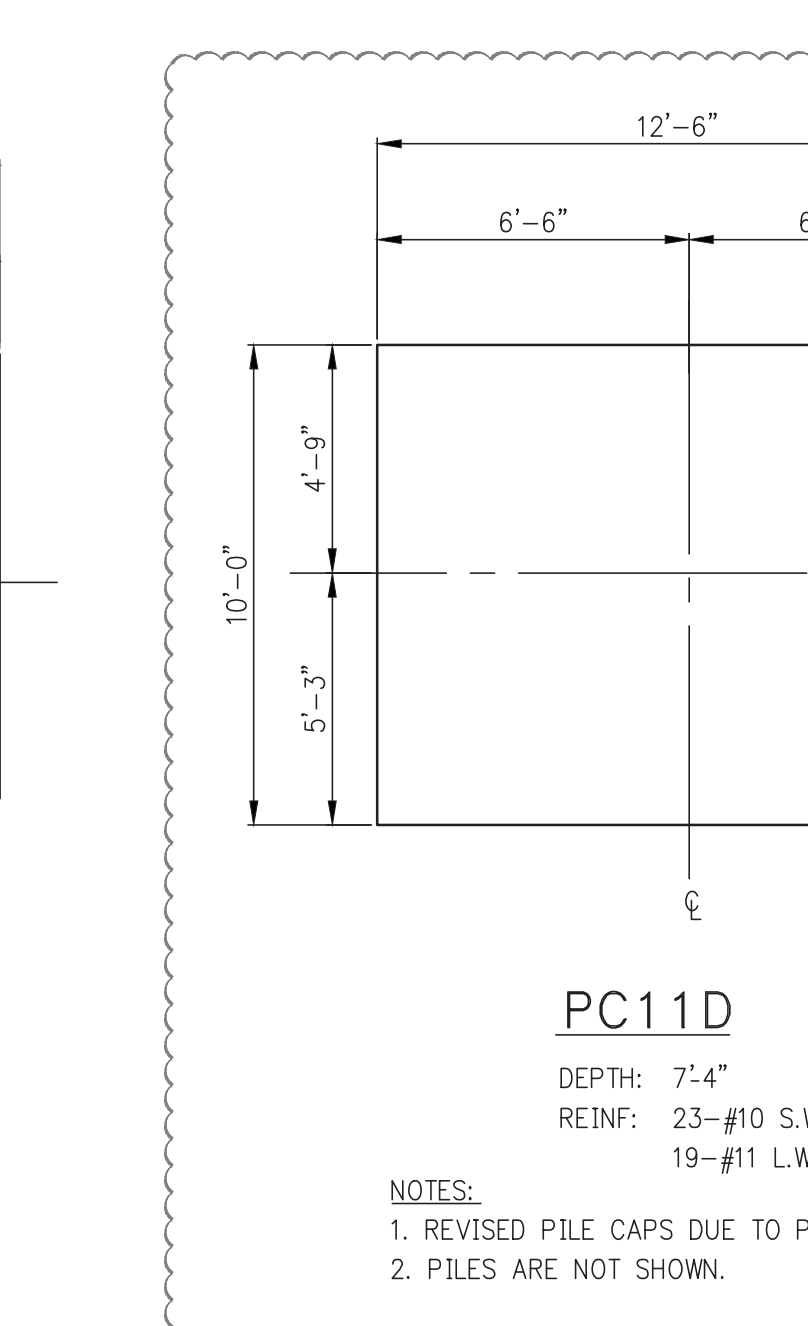
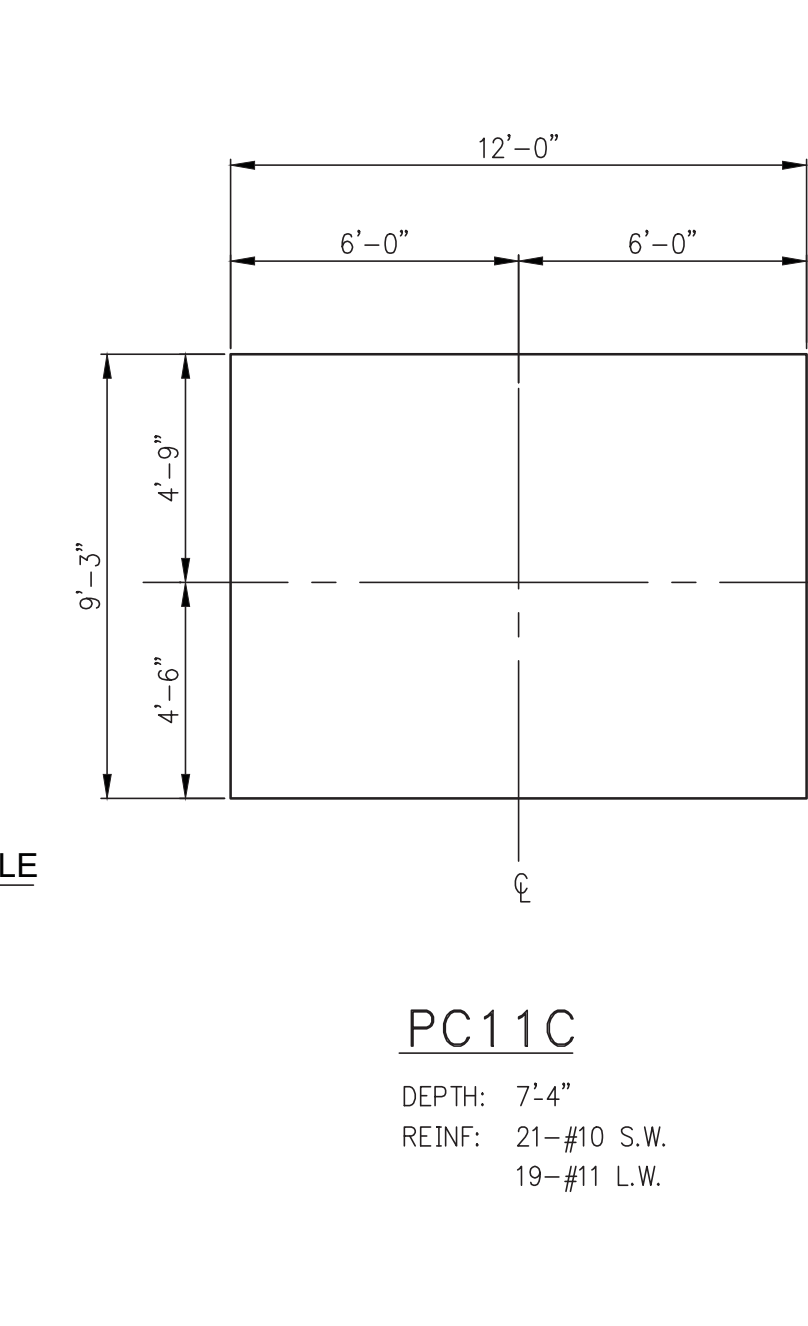
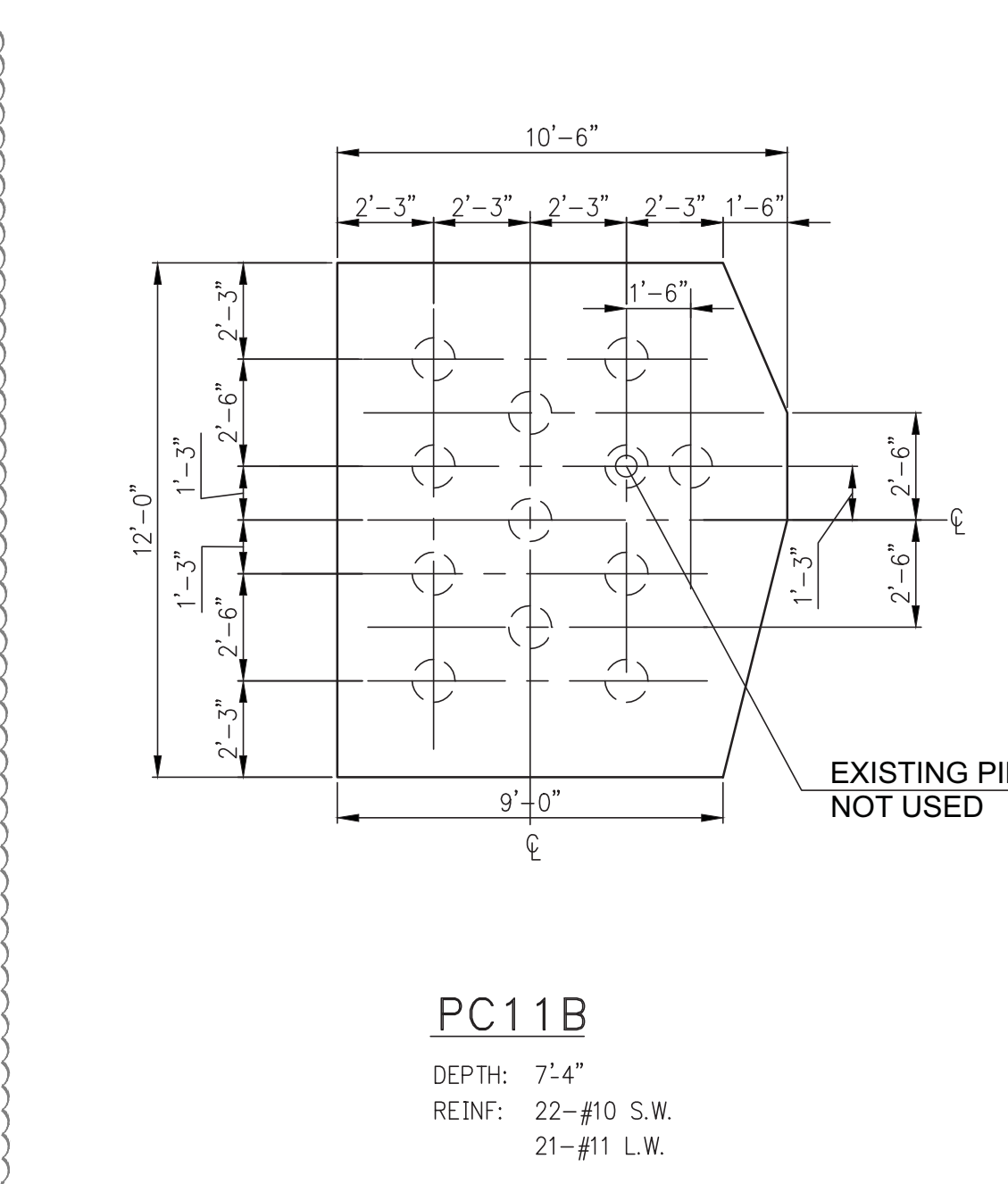
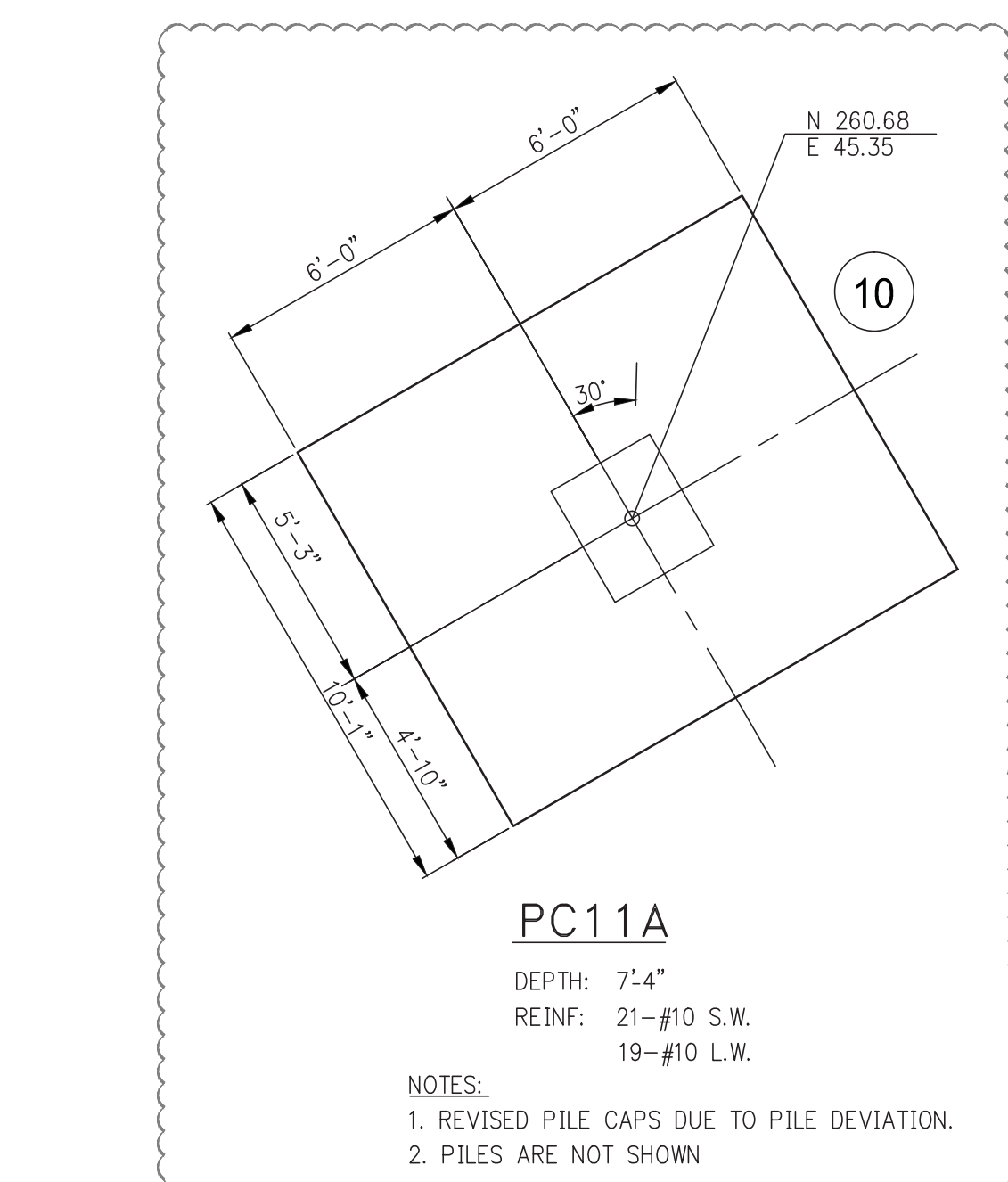
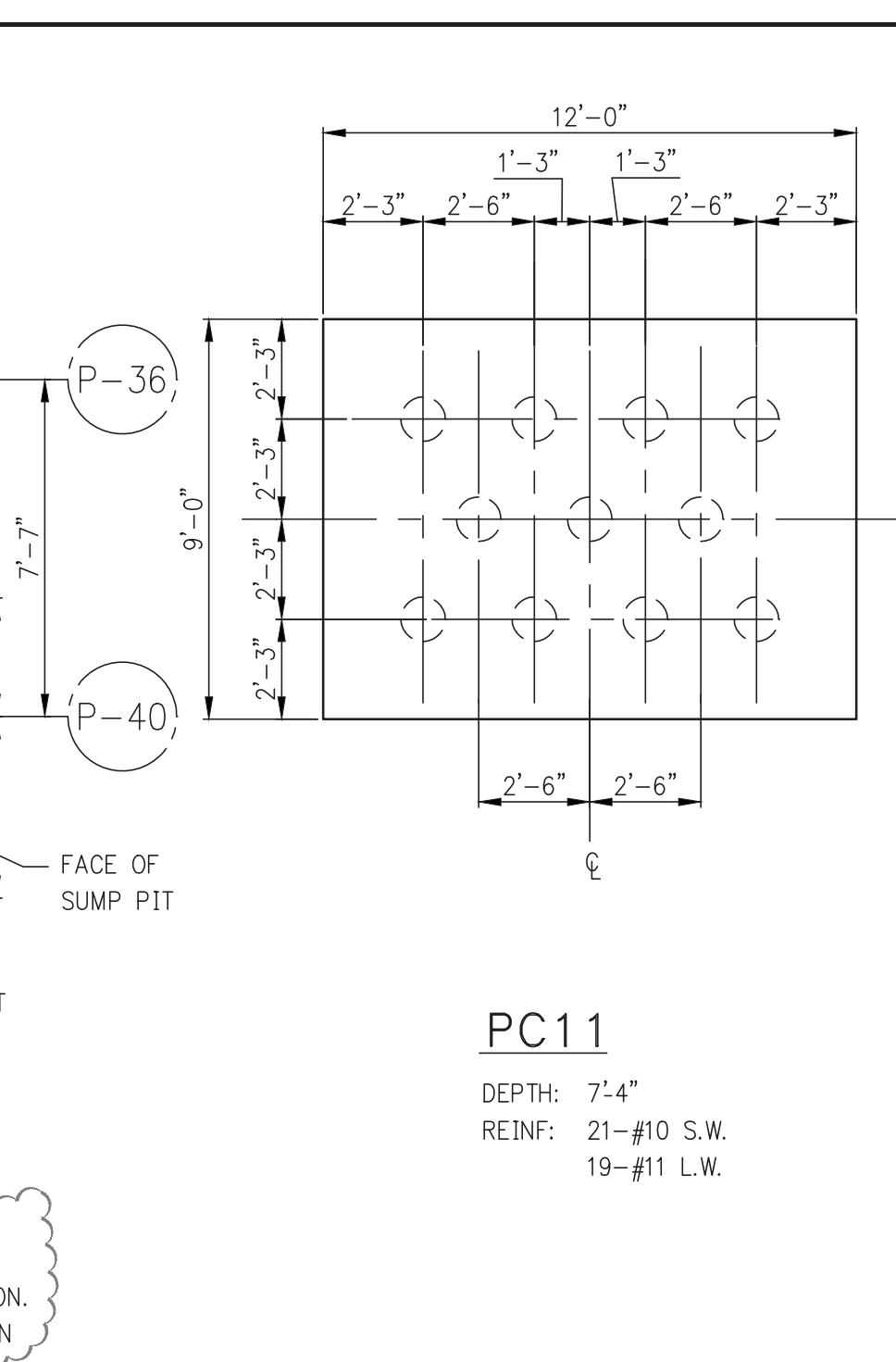
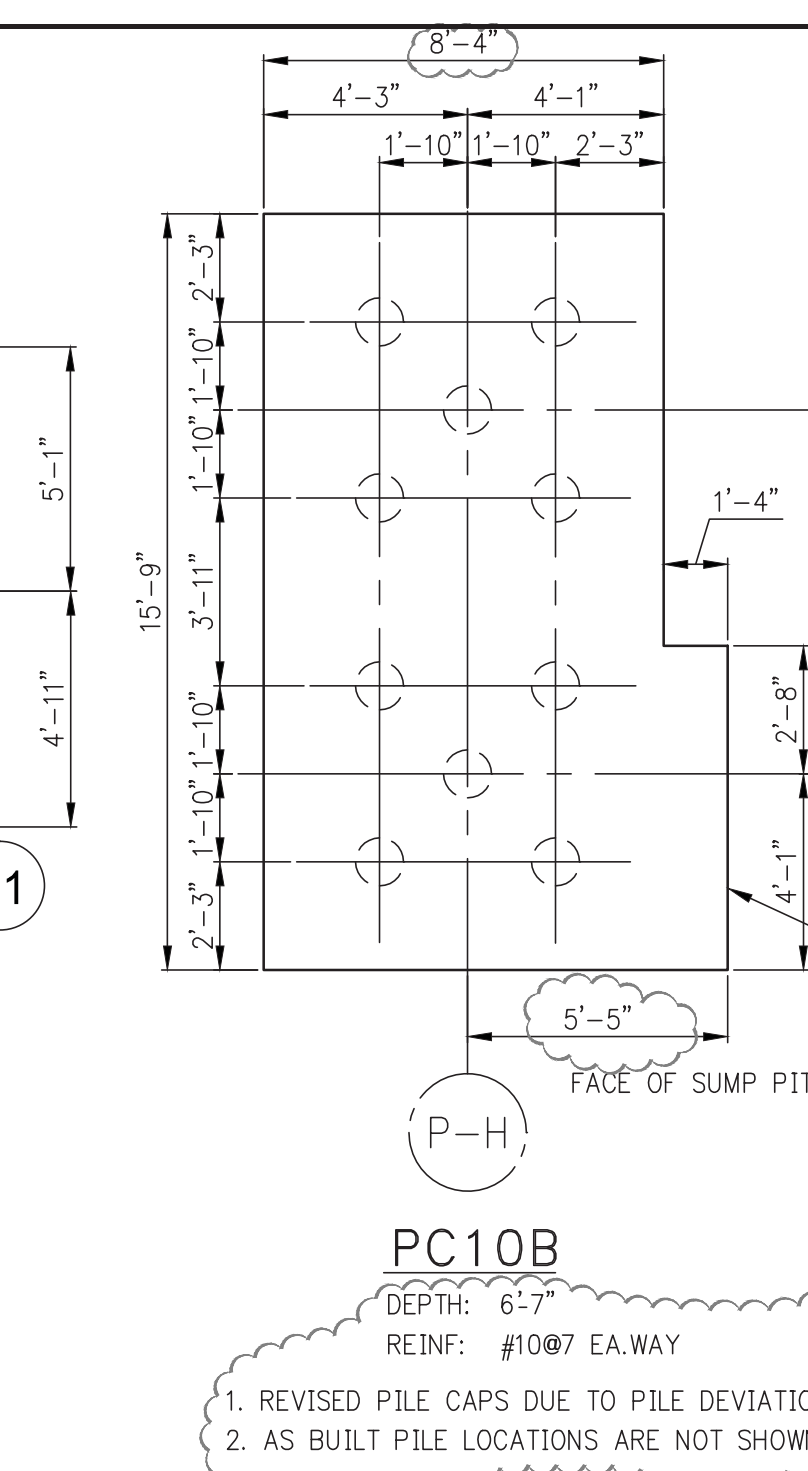
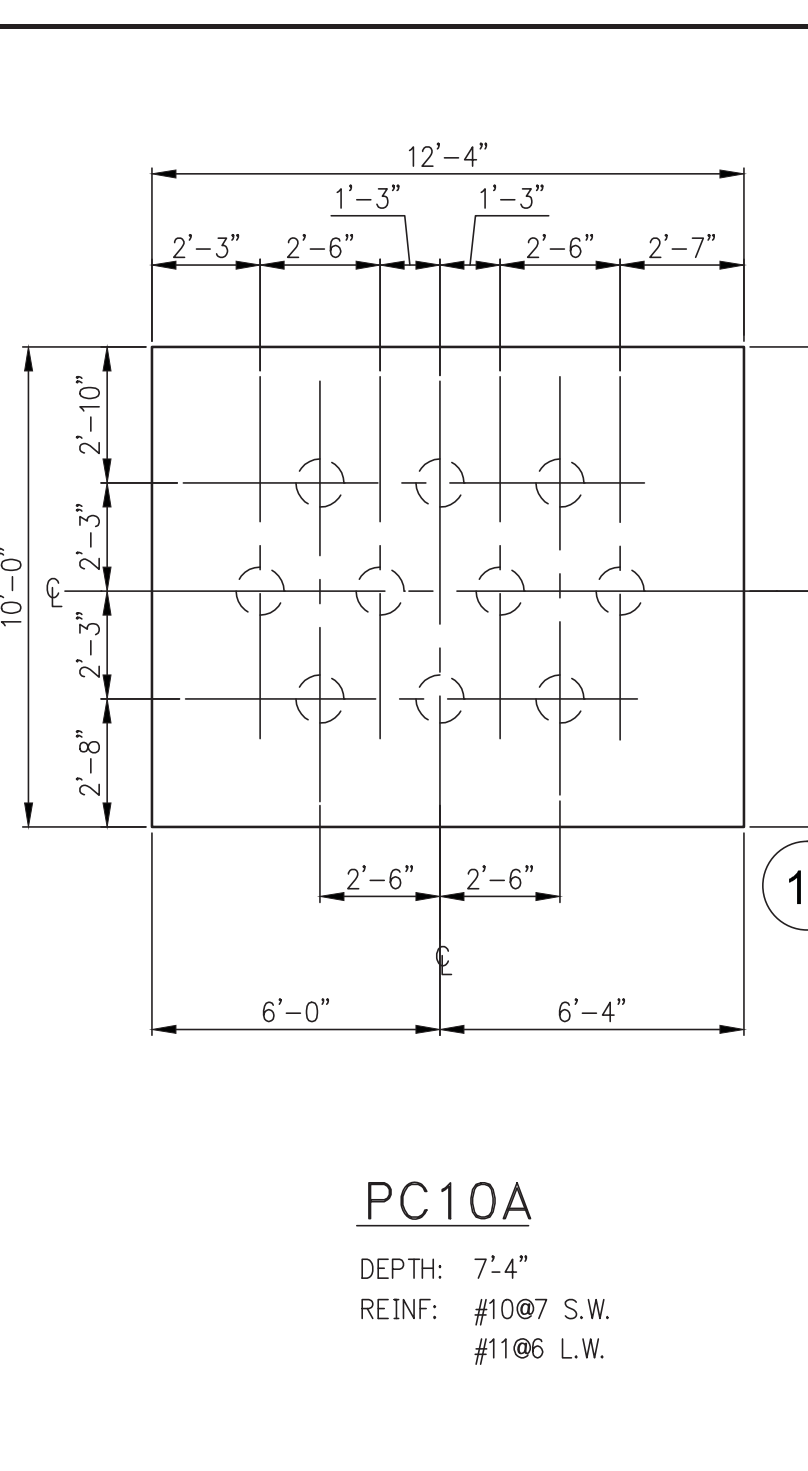
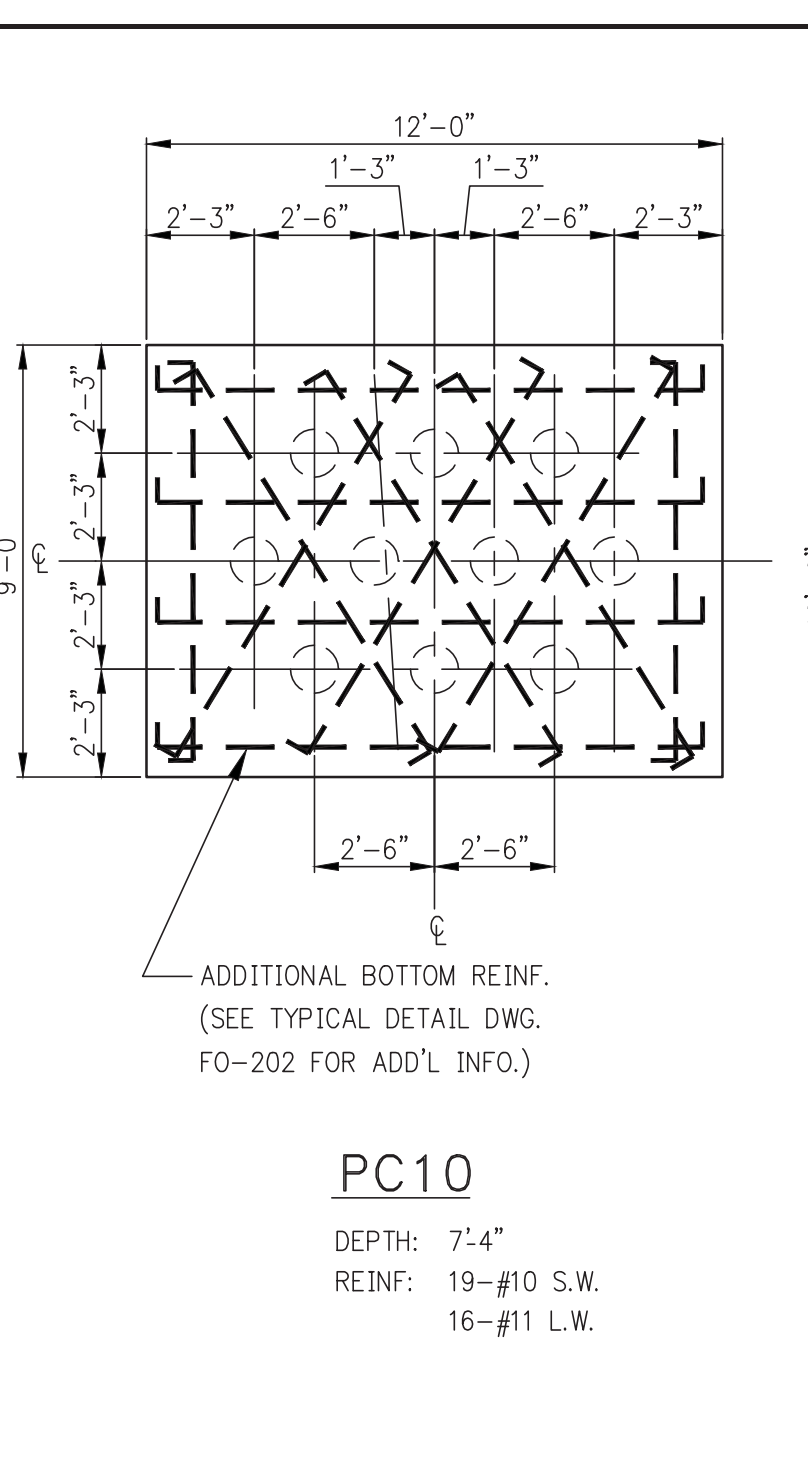
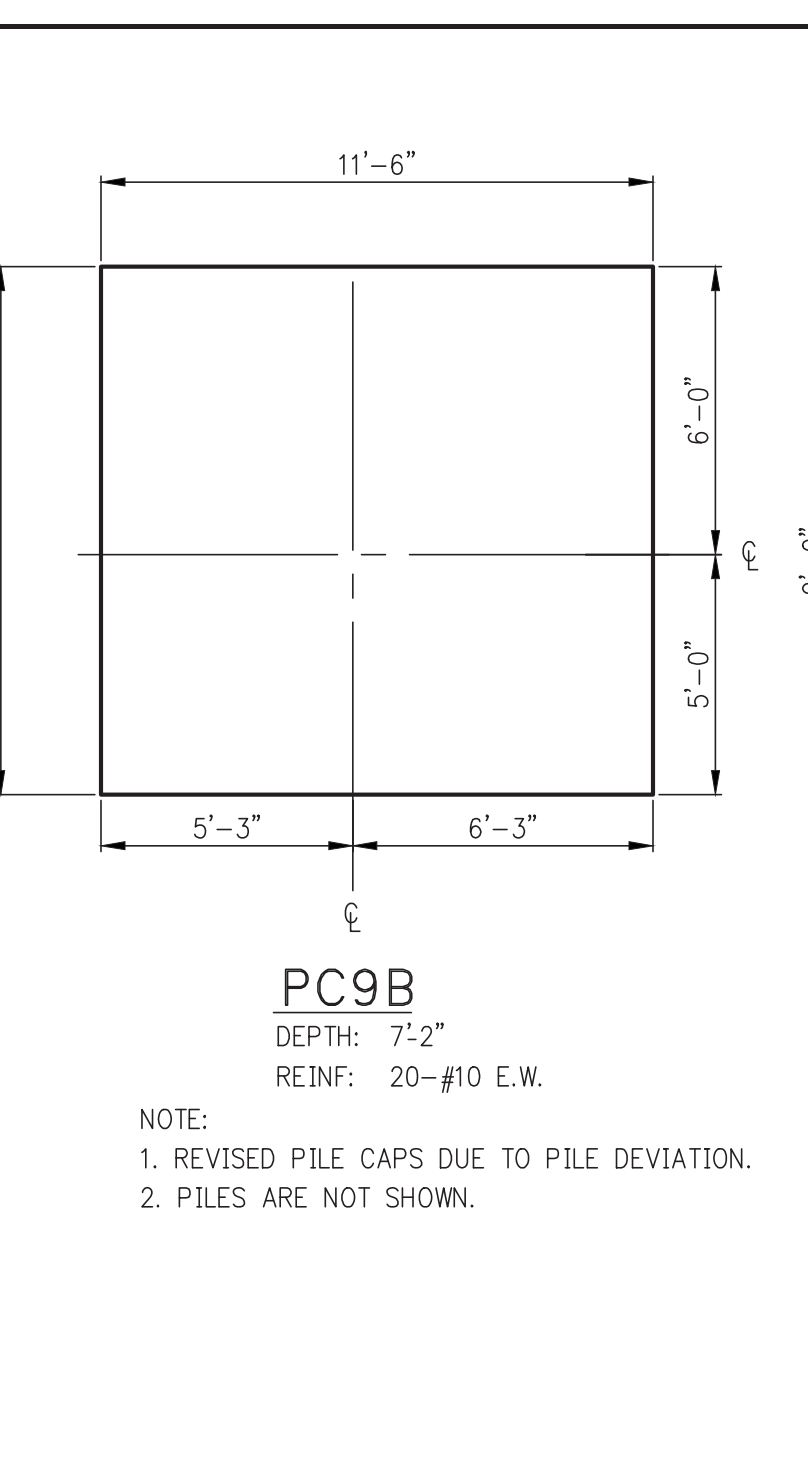
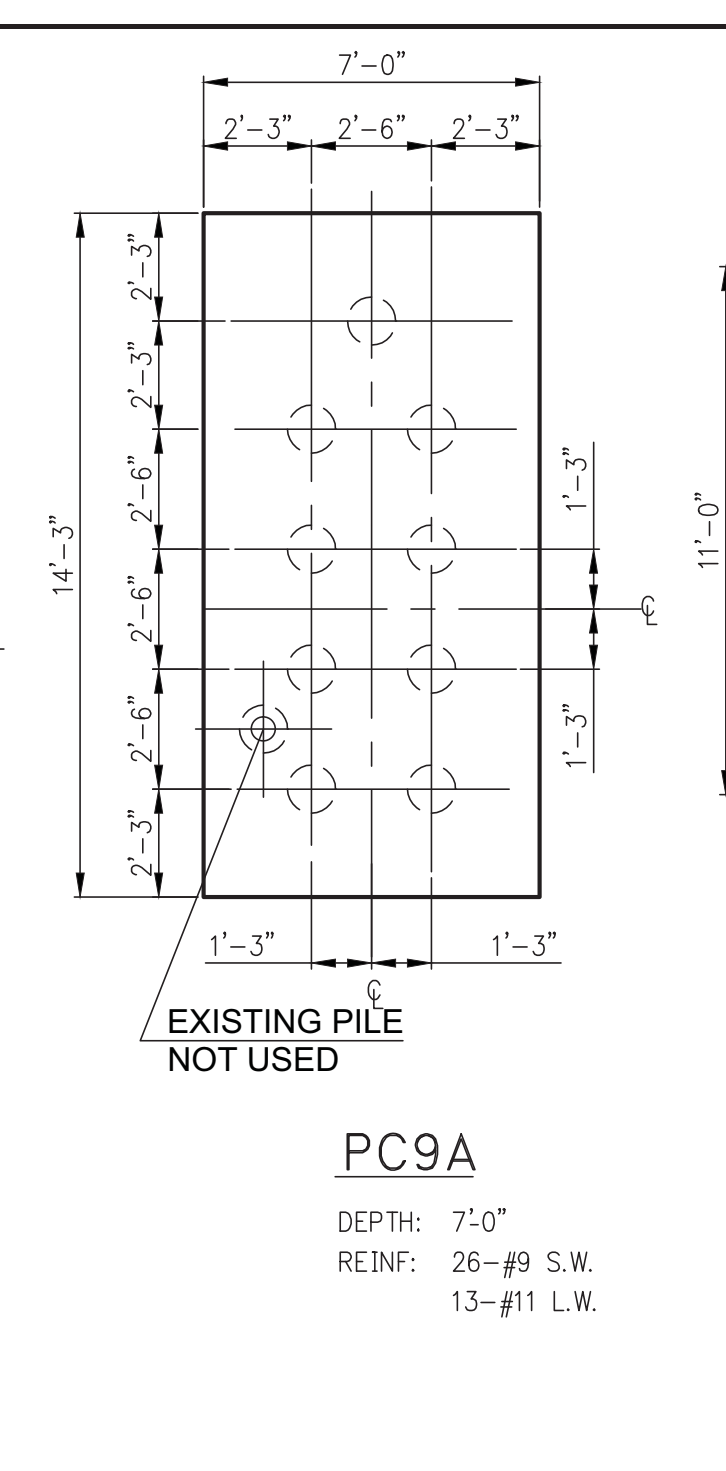
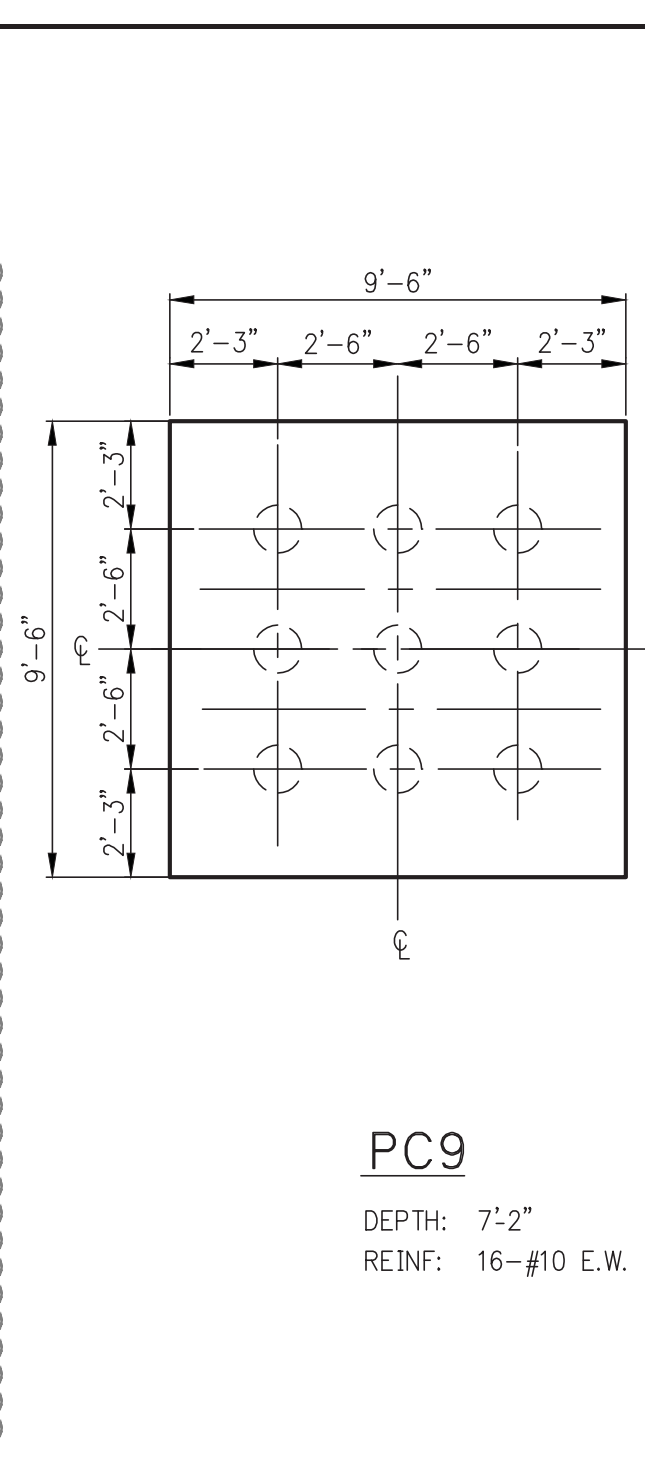
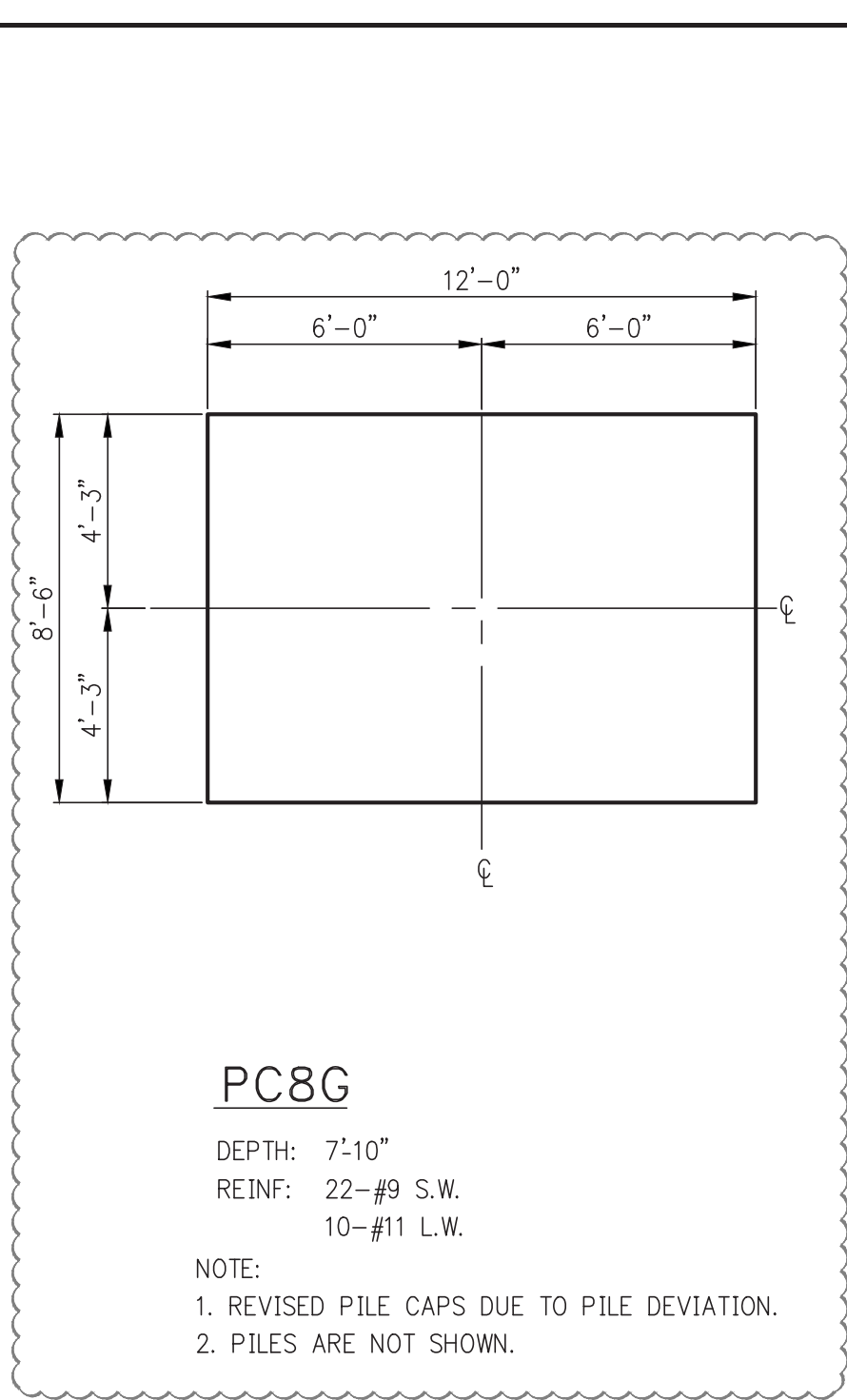


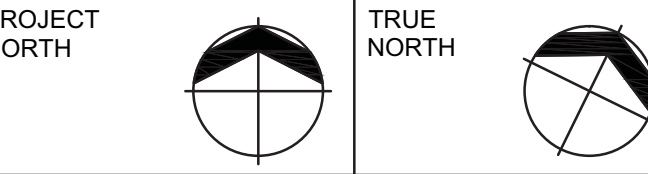
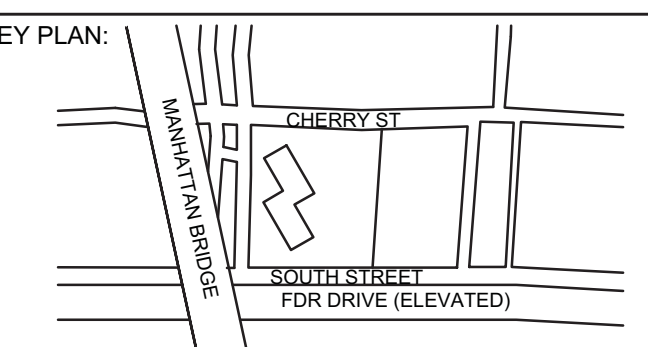
PROJECT:
**252 SOUTH STREET
NEW YORK, NY**

**TYPICAL FOUNDATION
DETAILS 8**

DATE: 07/25/14
PROJECT No: 1302510
DRAWN: CADD REV:
CHK: CL
SCALE: AS SHOWN
DWG No: **FO-207.01**
DOB PAGE No: of
DOB EMPLOYEE STAMP: of
DOB B-SCAN:

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
NYC Development Hub
Date: 04/11/2016





DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD: **AAI ARCHITECTS, P.C.**
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER: **MEYER DAVIS**
180 Varick St, suite 404
New York, NY 10014
TEL: 212-627-5574

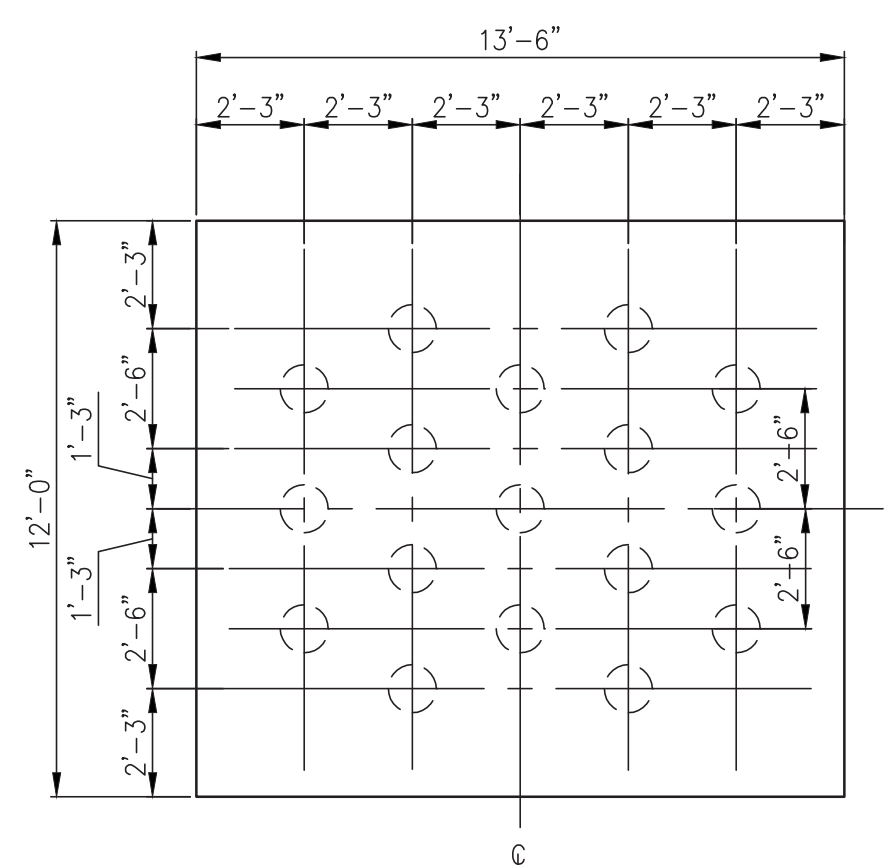
LANDSCAPE DESIGNER: **WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.**
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS: **WSP**
228 East 45th Street
New York, NY 10017
TEL: 212-687-8888 FAX: 646-487-5501

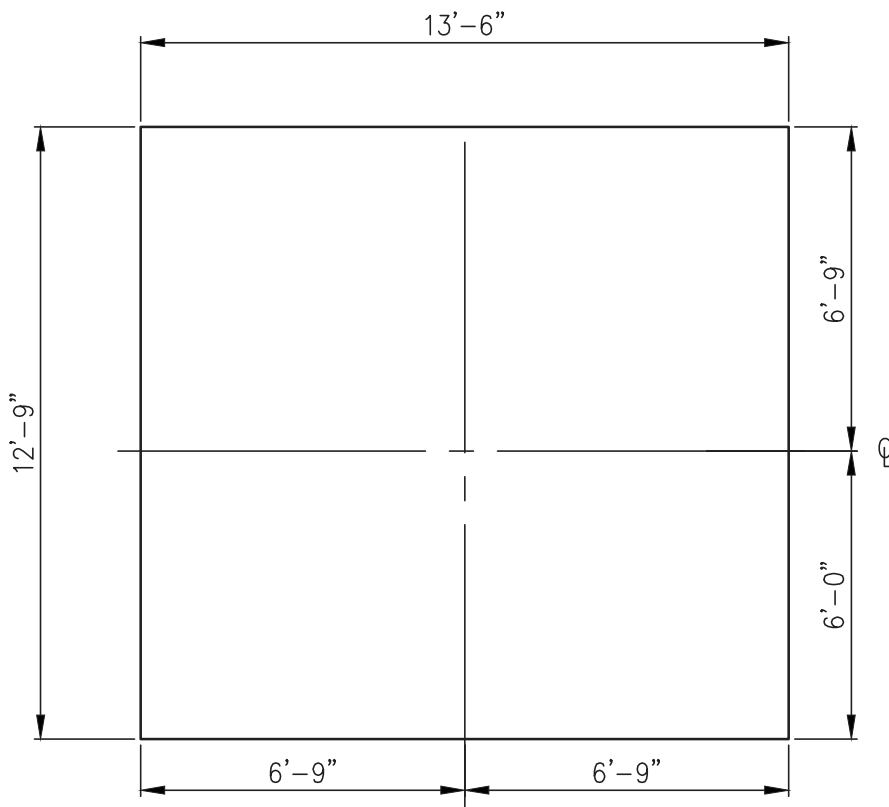
MEP ENGINEERS: **ICOR ASSOCIATES, LLC**
485 C Route 1 South, Suite 209
Iselin, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS: **LANGAN ENGINEERING & ENVIRONMENTAL SERVICES**
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

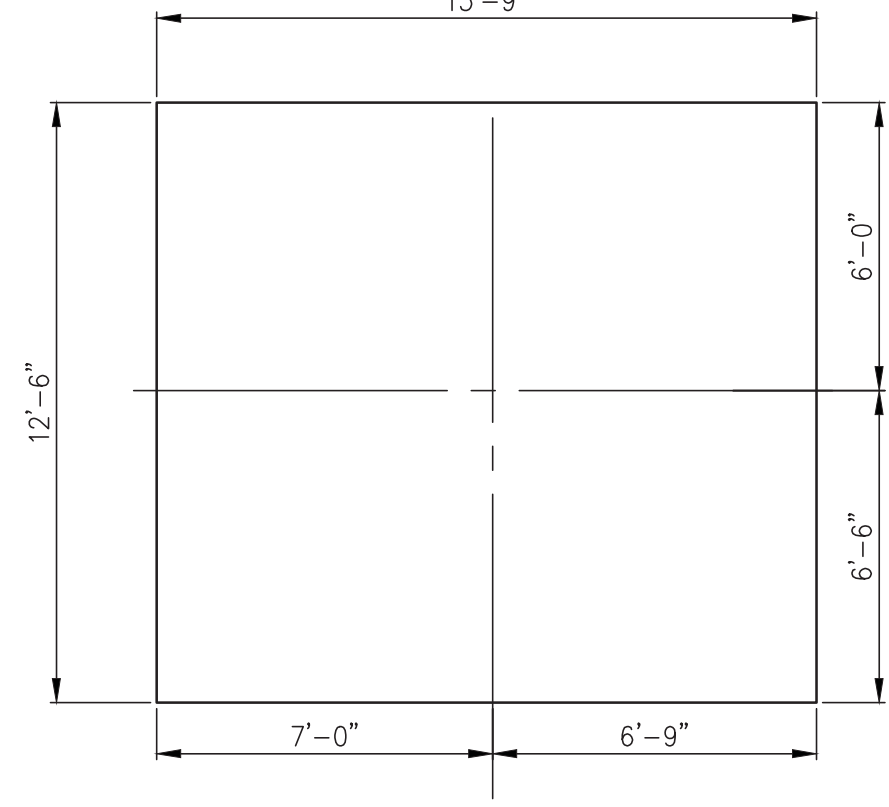
| No. | DESCRIPTION: | DATE: |
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| 1 | ADDENDUM #15 | 11-18-15 |
| 2 | ISSUED FOR FILING | 03-07-16 |



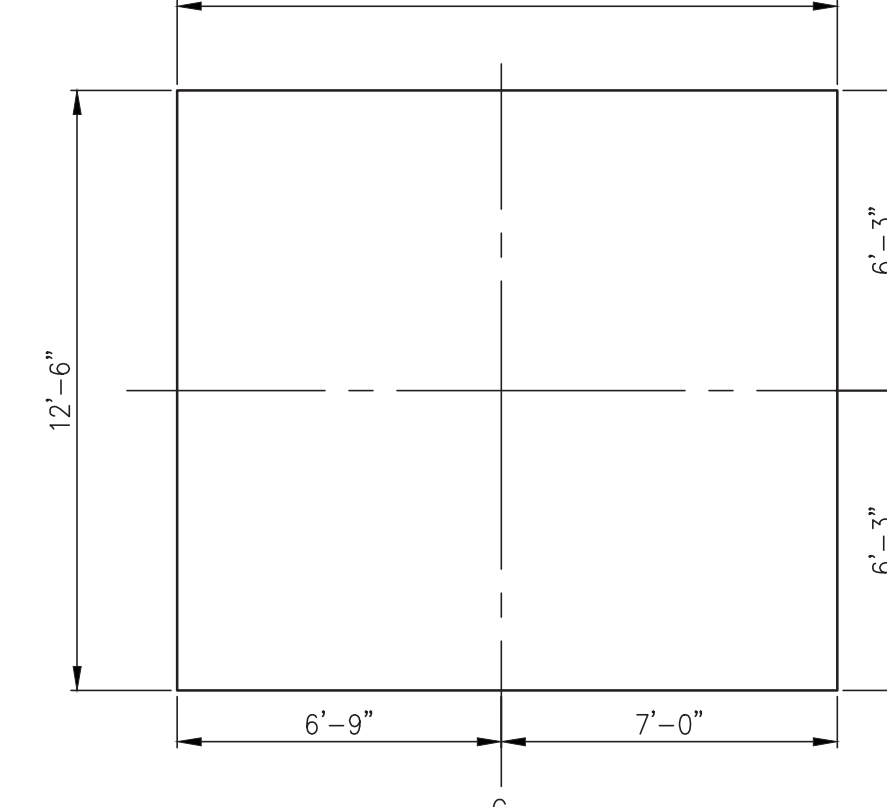
PC17
DEPTH: 9'-2"
REINF: 23-#11 S.W.
29-#11 L.W.



PC17A
DEPTH: 9'-2"
REINF: 23-#11 S.W.
29-#11 L.W.



PC17B
DEPTH: 9'-2"
REINF: 23-#11 S.W.
29-#11 L.W.

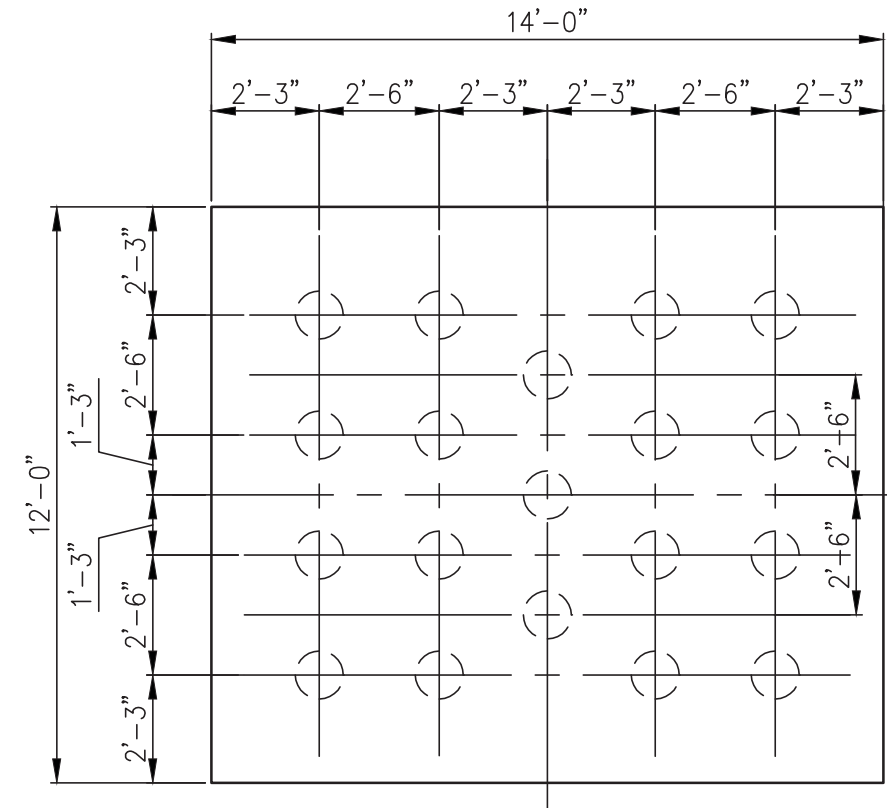


PC17C
DEPTH: 9'-2"
REINF: 23-#11 S.W.
29-#11 L.W.

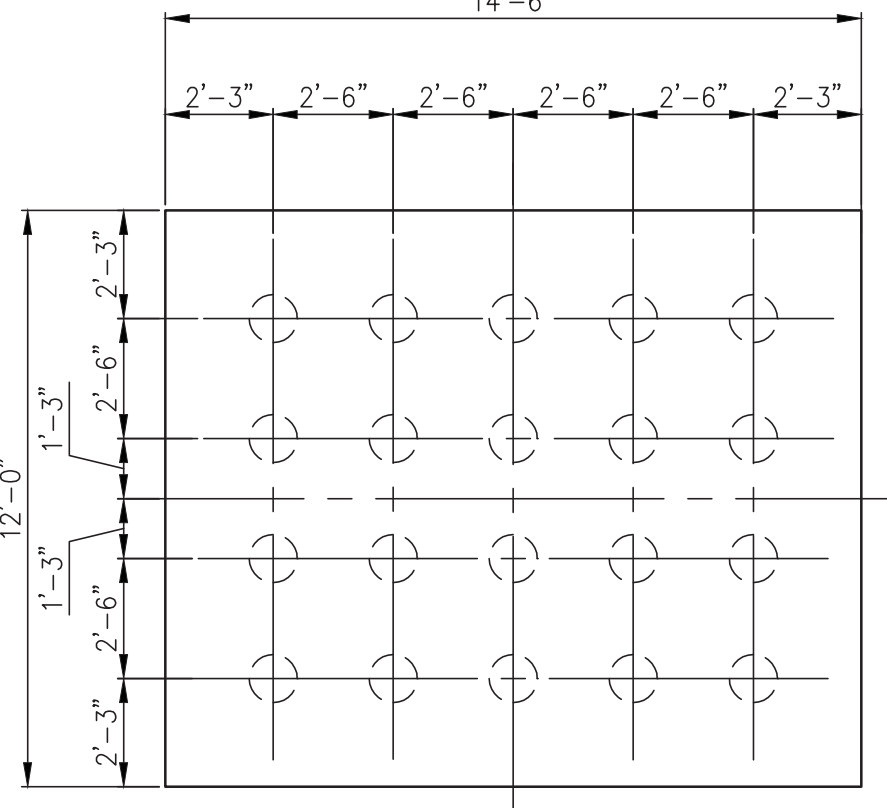
NOTES:
1. REVISED PILE CAPS DUE TO PILE DEVIATION.
2. PILES ARE NOT SHOWN.

NOTES:
1. REVISED PILE CAPS DUE TO PILE DEVIATION.
2. PILES ARE NOT SHOWN.

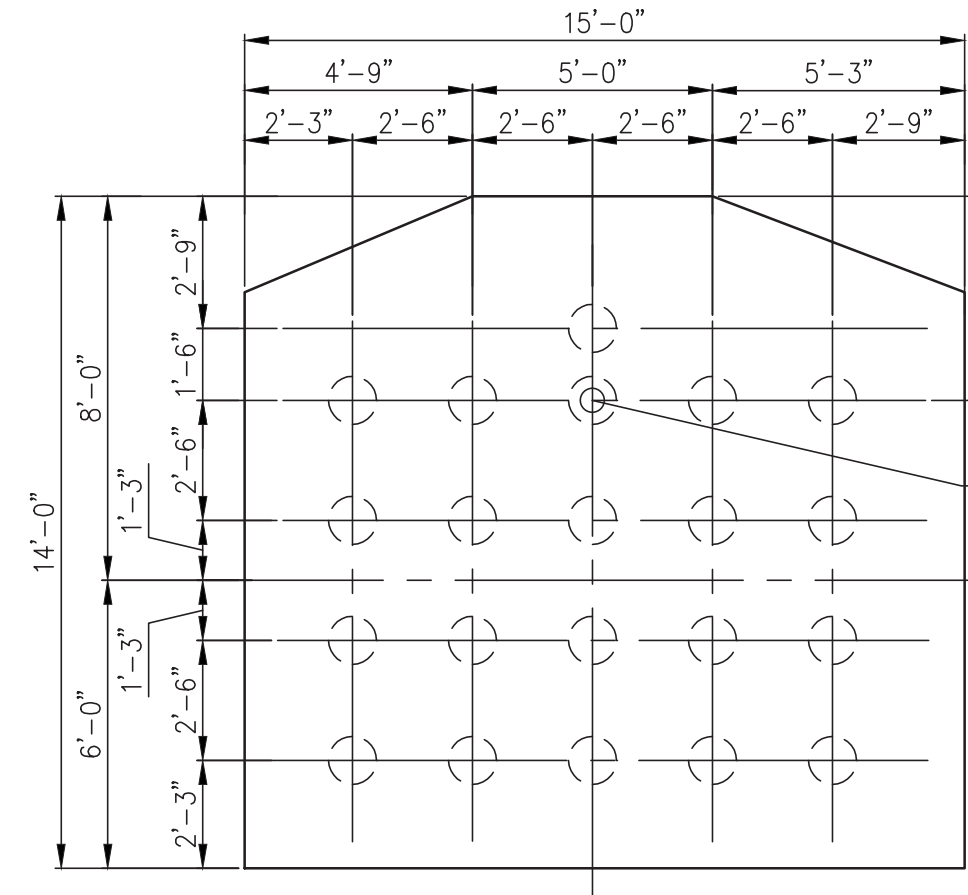
NOTES:
1. REVISED PILE CAPS DUE TO PILE DEVIATION.
2. PILES ARE NOT SHOWN.



PC19
DEPTH: 9'-0"
REINF: 27-#11 S.W.
31-#11 L.W.

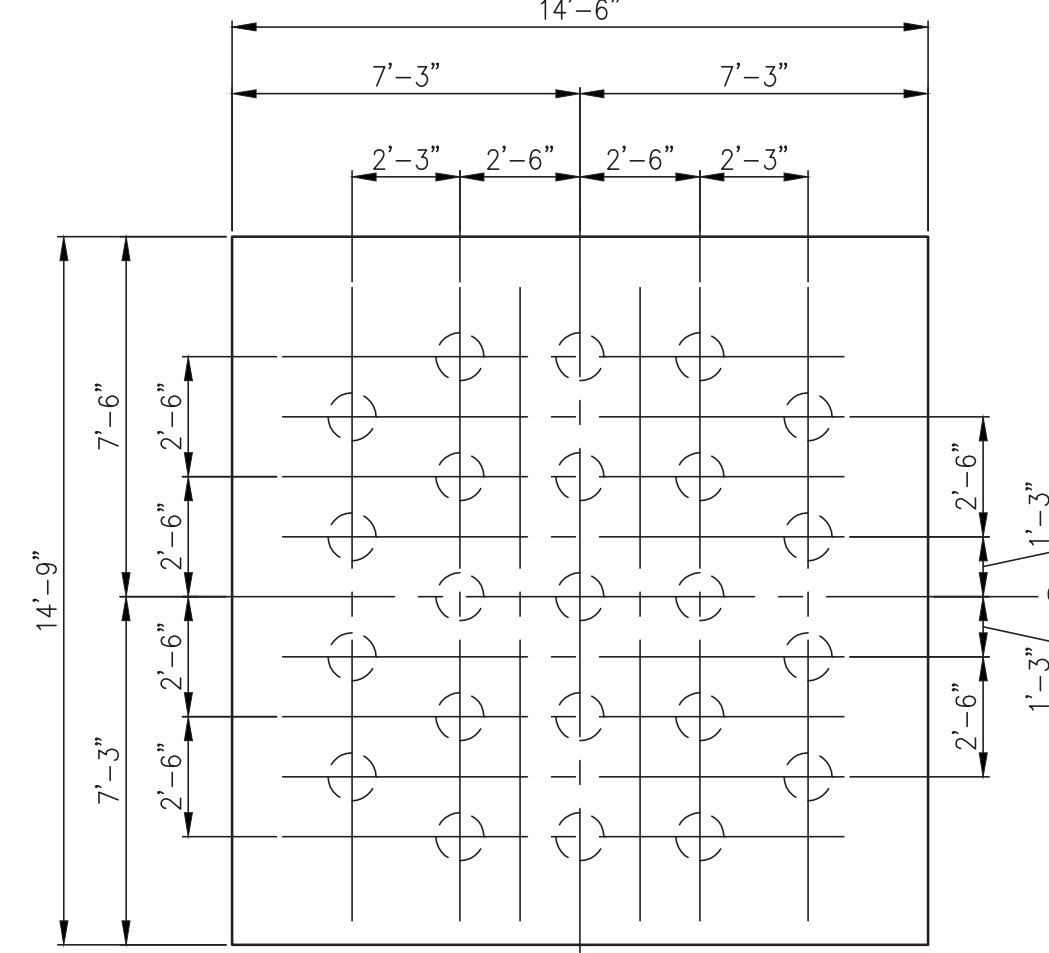


PC20
DEPTH: 9'-2"
REINF: 29-#11 S.W.
32-#11 L.W.



PC20A
DEPTH: 9'-2"
REINF: 30-#11 S.W.
33-#11 L.W.

NOTES:
1. REVISED PILE CAPS DUE TO PILE DEVIATION.
2. AS BUILT PILE LOCATIONS ARE NOT SHOWN.



PC23
DEPTH: 9'-2"
REINF: 34-#11 E.W.

NOTES:
1. REVISED PILE CAPS DUE TO PILE DEVIATION.
2. AS BUILT PILE LOCATIONS ARE NOT SHOWN.

EXISTING PILE NOT USED

200 TON CAPACITY PILE CAP DETAILS

NOTES:
1. ALL REINFORCEMENTS ARE BOTTOM REINFORCEMENT, WITH 90° HOOK U.O.N.
2. FOR DETAIL OF PC45 SEE FO-103.

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.



PROJECT: **252 SOUTH STREET**
NEW YORK, NY

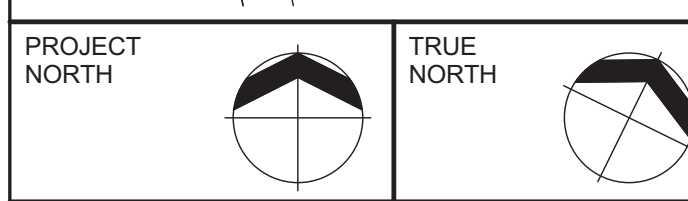
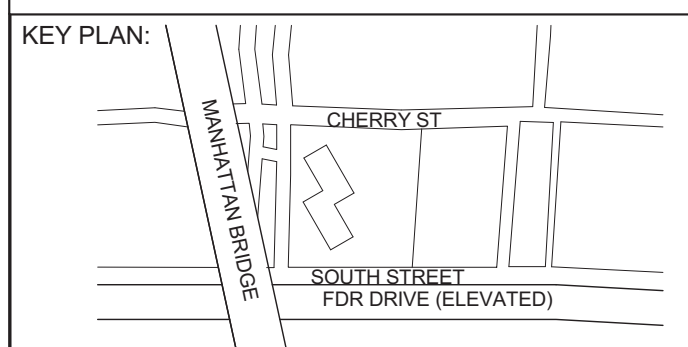
DRAWING TITLE: **TYPICAL FOUNDATION DETAILS 9**

| | |
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| | PROJECT No: 1302510 |
| | DRAWN: CADD REV: |
| | CHK: CL |
| | SCALE: AS SHOWN |
| DWG No: | FO-208.00 |
| DOB PAGE No: of | |

DOB EMPLOYEE STAMP:

DOB B-SCAN:

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
REVISIONS/DEVIATION
Date: 04/11/2016
NYC Development Hub



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
805 Third Ave, 7th Floor
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TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD: **AAI ARCHITECTS, P.C.**
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STRUCTURAL ENGINEERS: **WSP**
228 East 45th Street
New York, NY 10017
TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS: **ICOR ASSOCIATES, LLC**
485 C Route 1 South, Suite 200
Iselin, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS: **LANGAN ENGINEERING & ENVIRONMENTAL SERVICES**
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 2 | DESIGN DEVELOPMENT | 10-07-14 |
| 3 | COORDINATION | 10-16-14 |
| 4 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 5 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 6 | ISSUED FOR FILING | 02-13-15 |
| 7 | CONCRETE BID PACKAGE | 03-06-15 |
| 8 | 50% CONSTRUCTION DOCUMENTS | 04-08-15 |
| 9 | ADDENDUM #6 | 06-03-15 |
| 10 | ISSUED FOR FILING | 07-28-15 |
| 11 | ADDENDUM #11 | 09-25-15 |
| 12 | ADDENDUM #14 | 10-22-15 |
| 13 | ADDENDUM #16 | 02-04-16 |
| 14 | ASI #55 | 02-12-16 |
| 15 | ASI #57 | 02-26-16 |
| 16 | ASI #58 | 03-04-16 |
| 17 | ISSUED FOR FILING | 03-07-16 |

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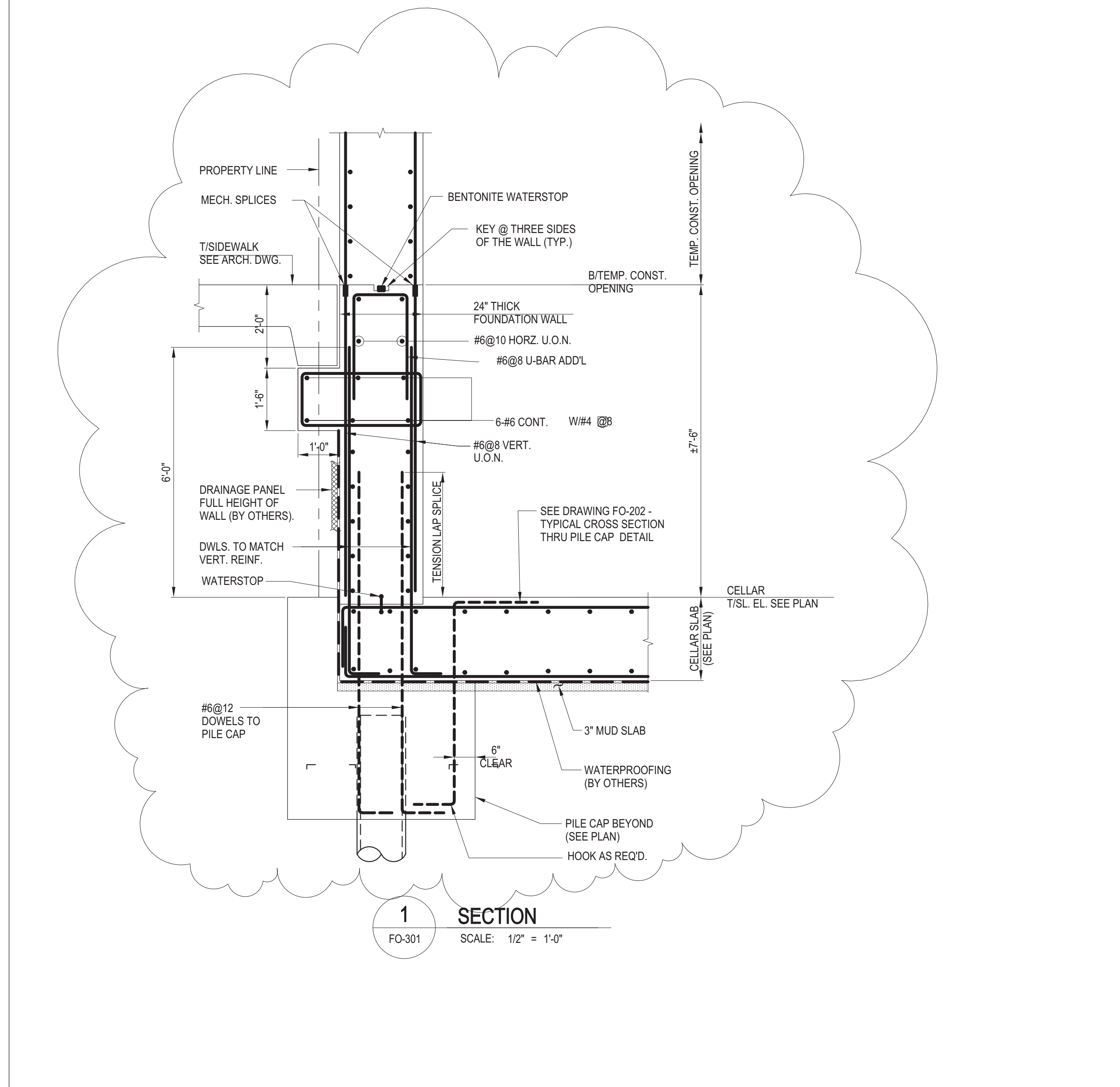
PROJECT: **252 SOUTH STREET**
NEW YORK, NY

DRAWING TITLE: **FOUNDATION SECTIONS 2**

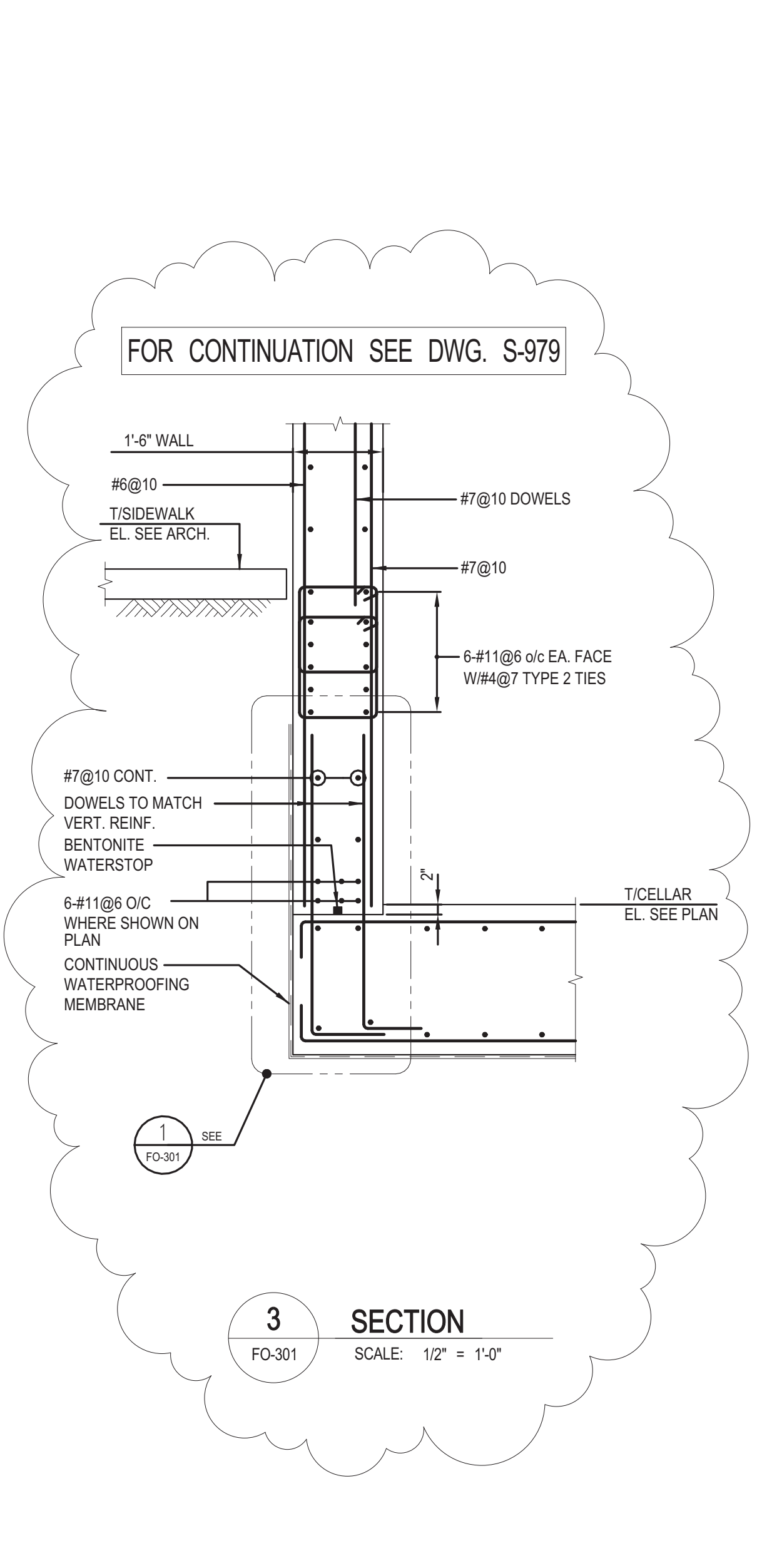
SEAL & SIGNATURE: DATE: 08/06/14

PROJECT No: 1302610
DRAWN: CAD REV:
CHK: CL
SCALE:
DWG No: **FO-301.01**
DOB PAGE No: of
DOB EMPLOYEE STAMP: DOB B-SCAN:

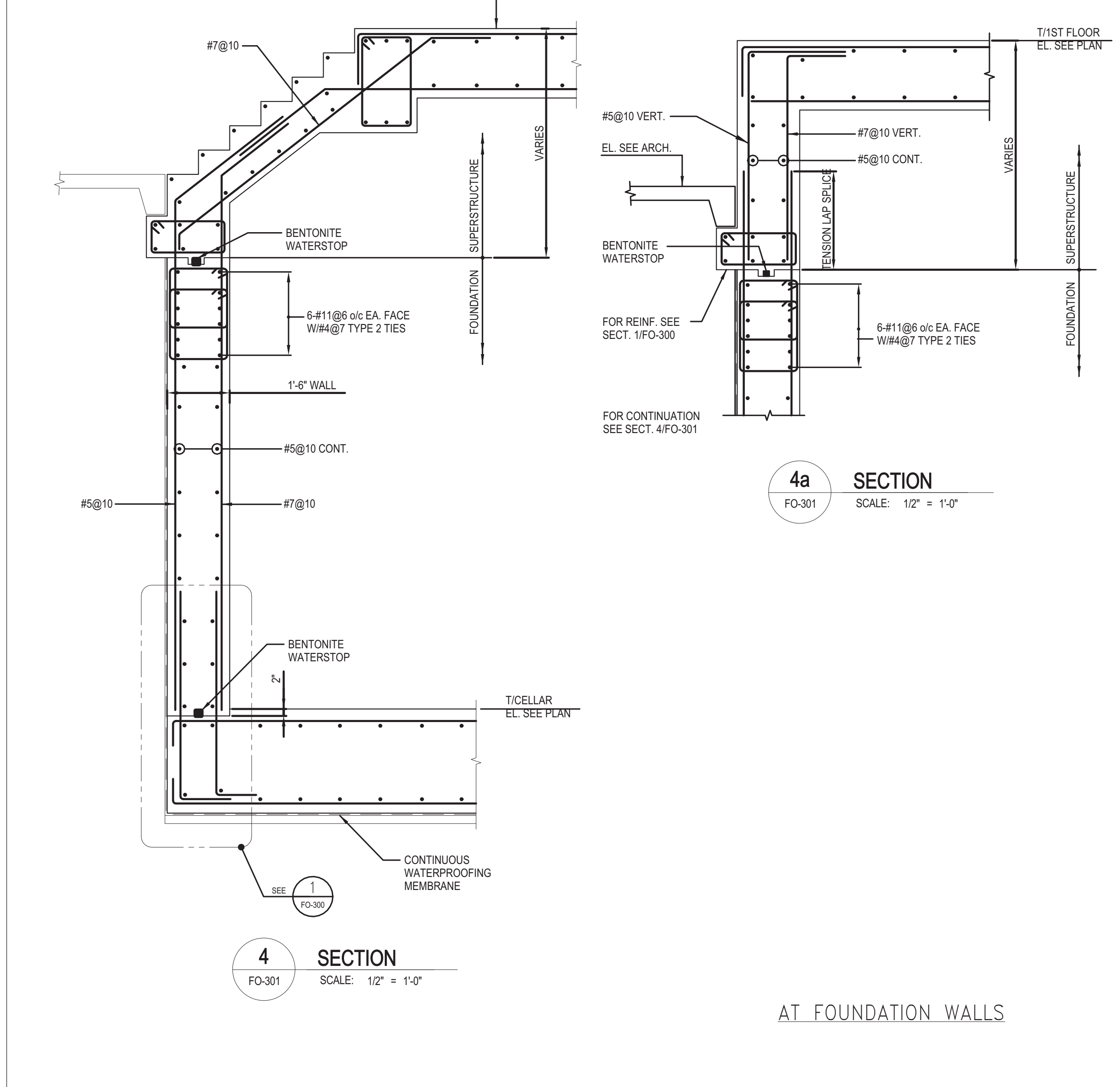
Damian Titus
Buildings APPROVED
Under Directive 2 of 1915
NYC DEPARTMENT OF BUILDINGS
Date: 04/11/2016
NYC Development Hub



1 SECTION
FO-301 SCALE: 1/2" = 1'-0"

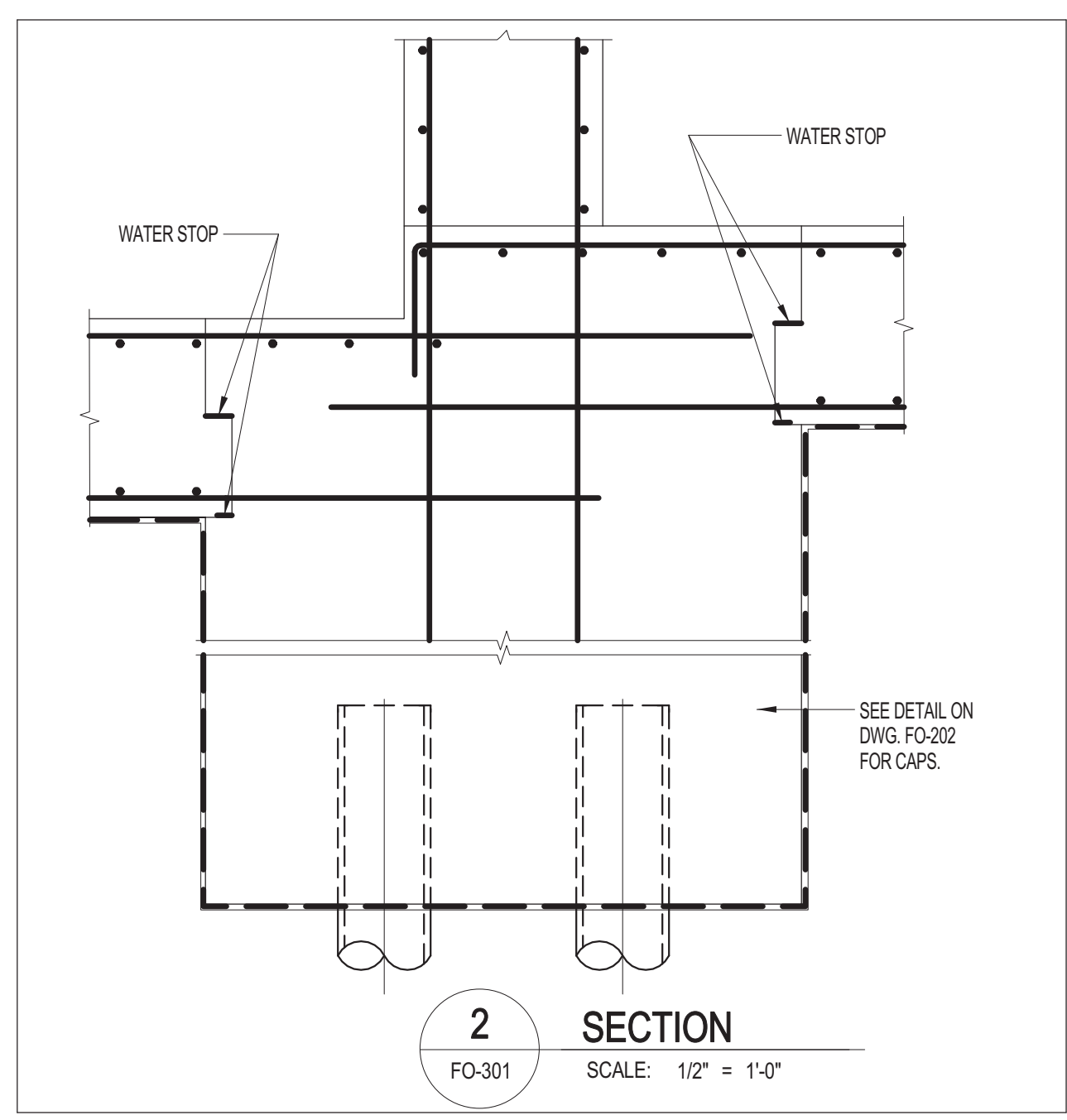


3 SECTION
FO-301 SCALE: 1/2" = 1'-0"

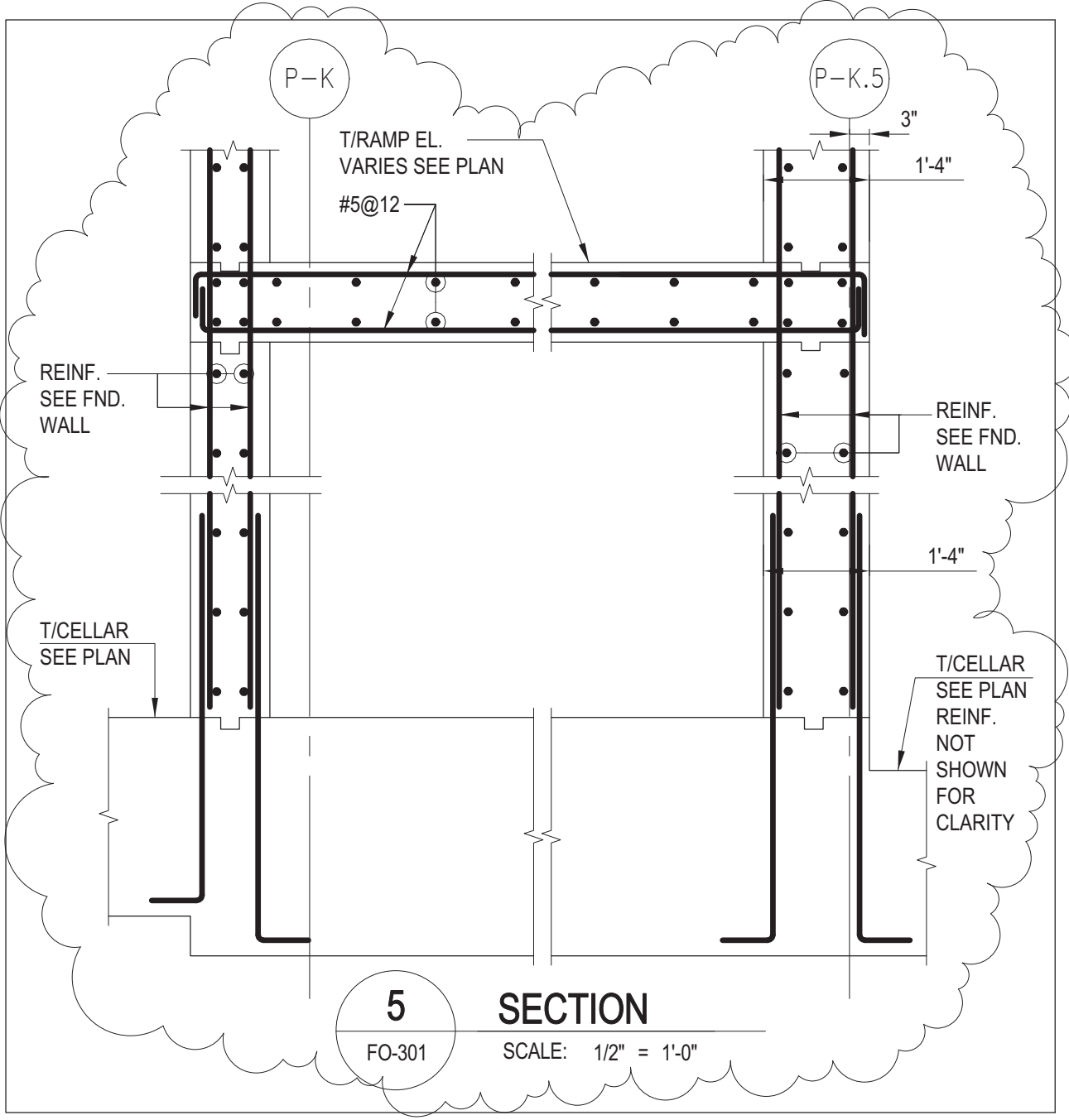


4a SECTION
FO-301 SCALE: 1/2" = 1'-0"

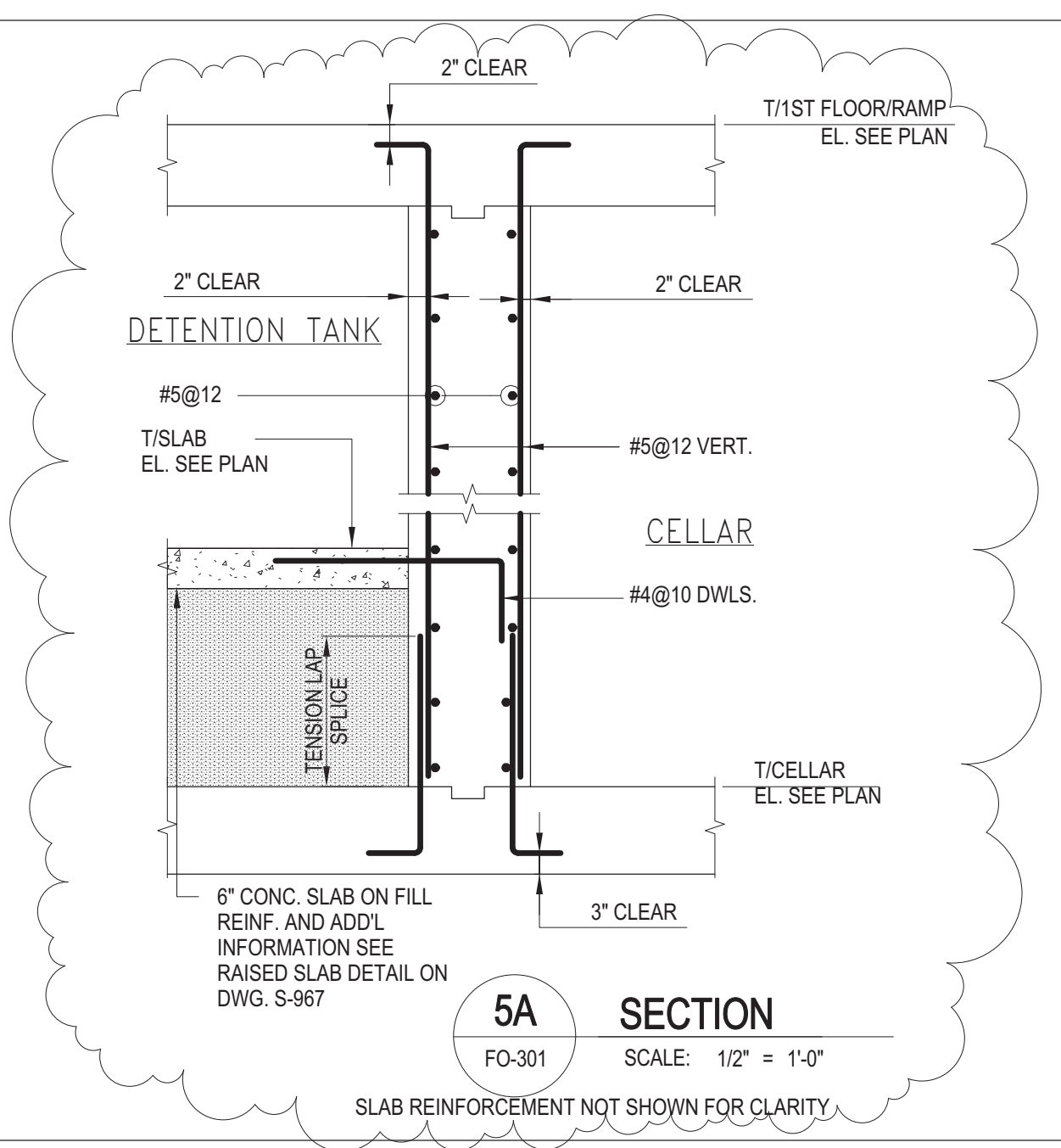
AT FOUNDATION WALLS



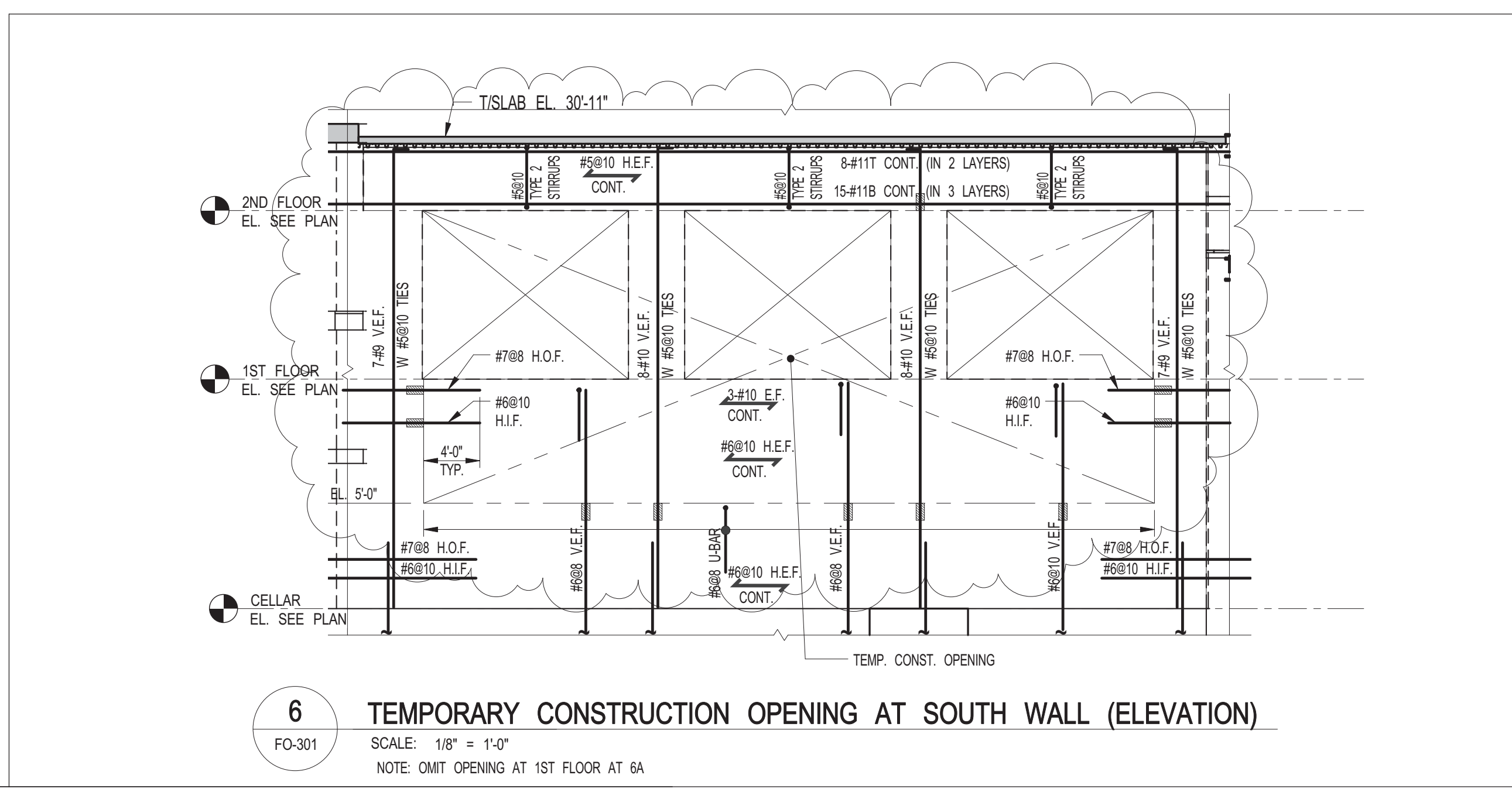
2 SECTION
FO-301 SCALE: 1/2" = 1'-0"



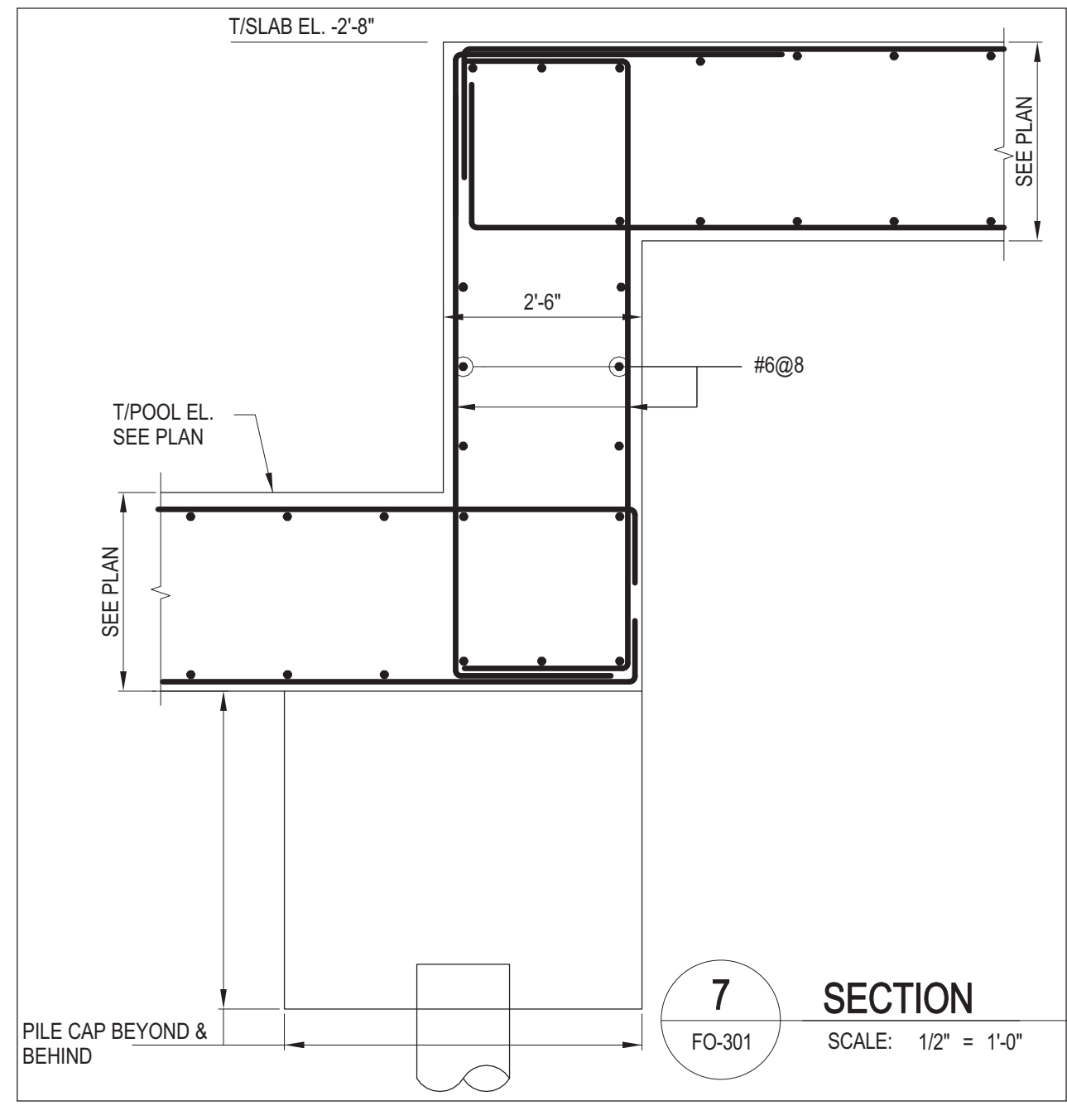
5 SECTION
FO-301 SCALE: 1/2" = 1'-0"



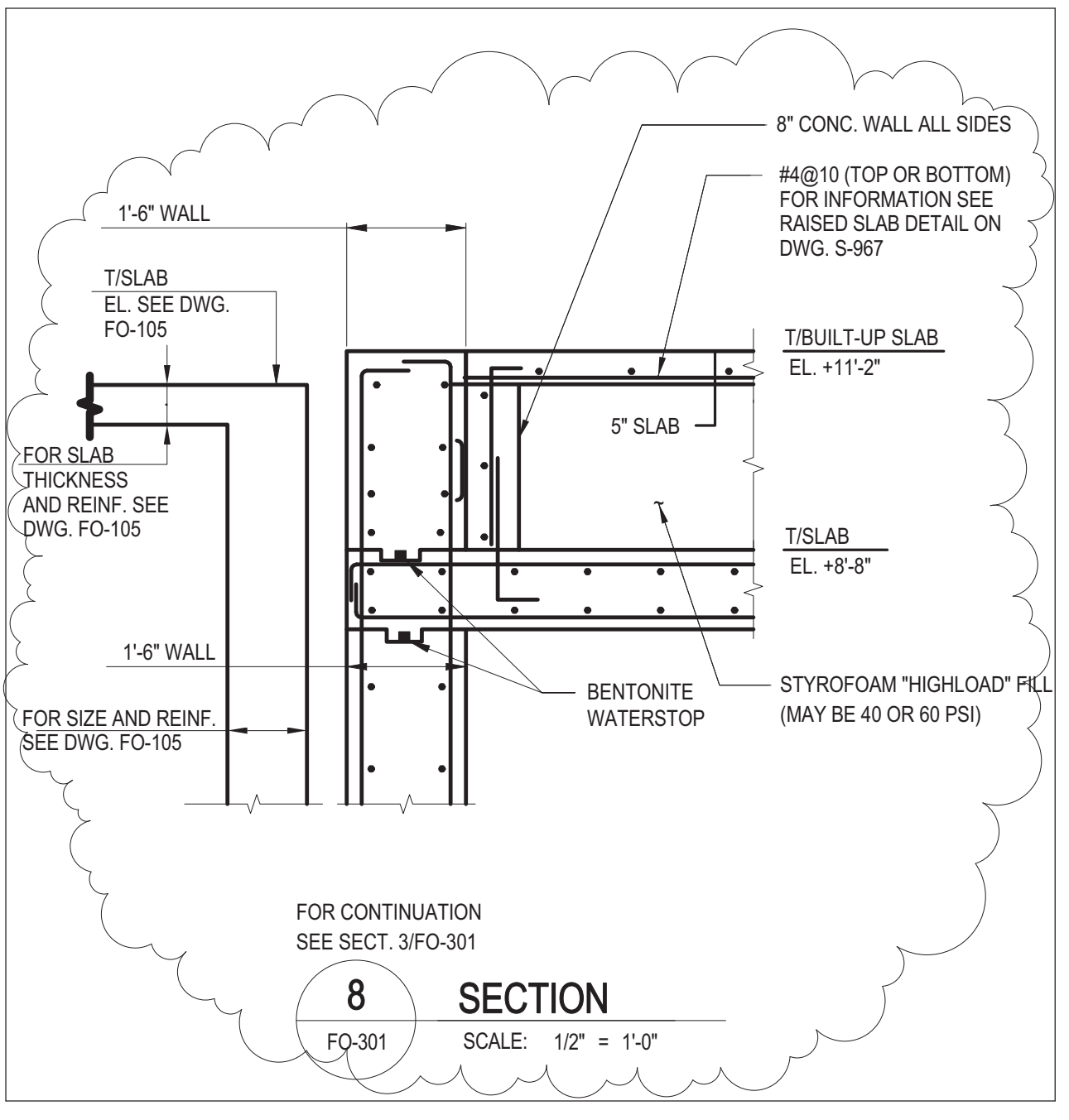
5A SECTION
FO-301 SCALE: 1/2" = 1'-0"



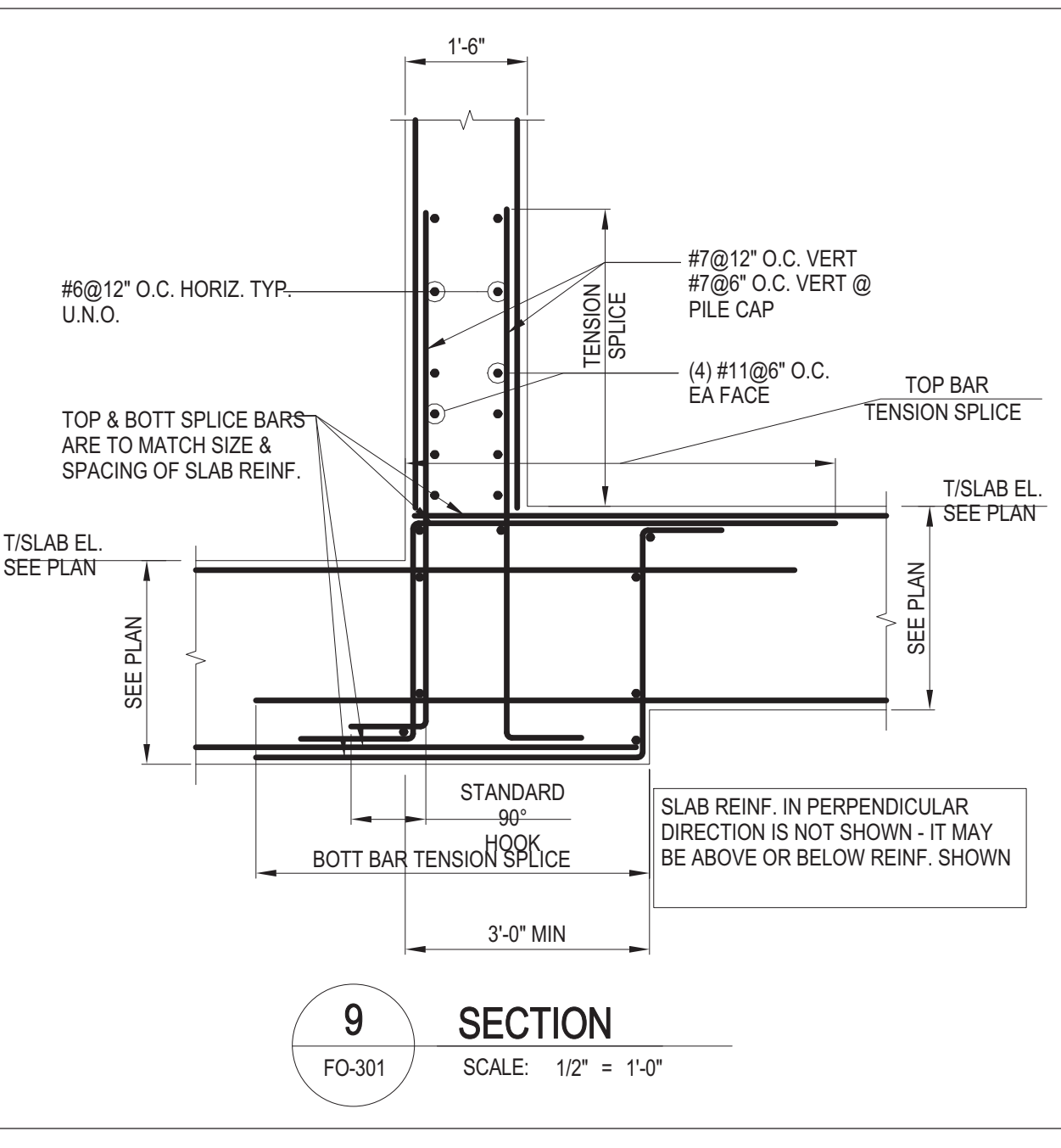
6 TEMPORARY CONSTRUCTION OPENING AT SOUTH WALL (ELEVATION)
FO-301 SCALE: 1/8" = 1'-0"
NOTE: OMIT OPENING AT 1ST FLOOR AT 6A



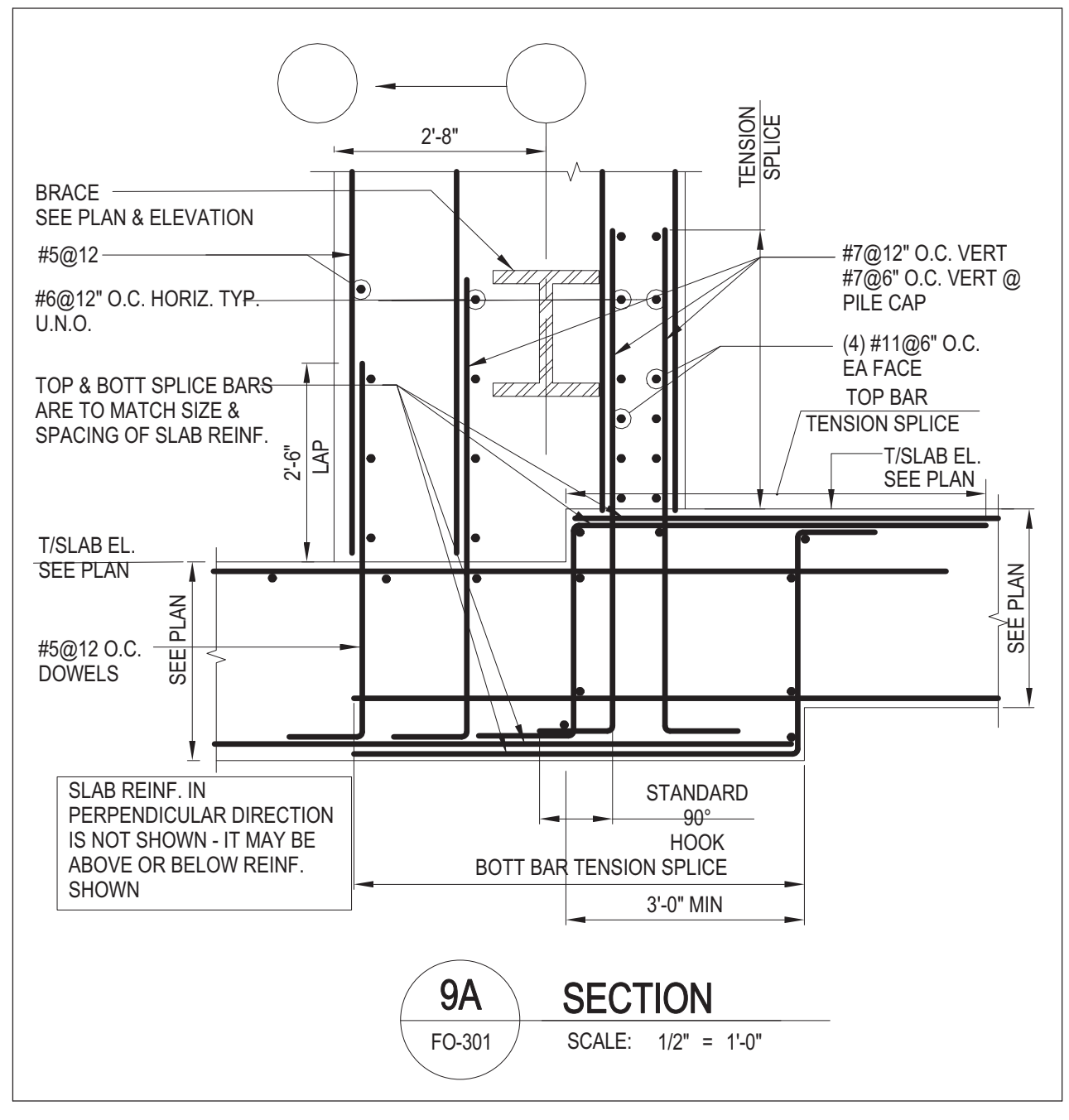
7 SECTION
FO-301 SCALE: 1/2" = 1'-0"



8 SECTION
FO-301 SCALE: 1/2" = 1'-0"



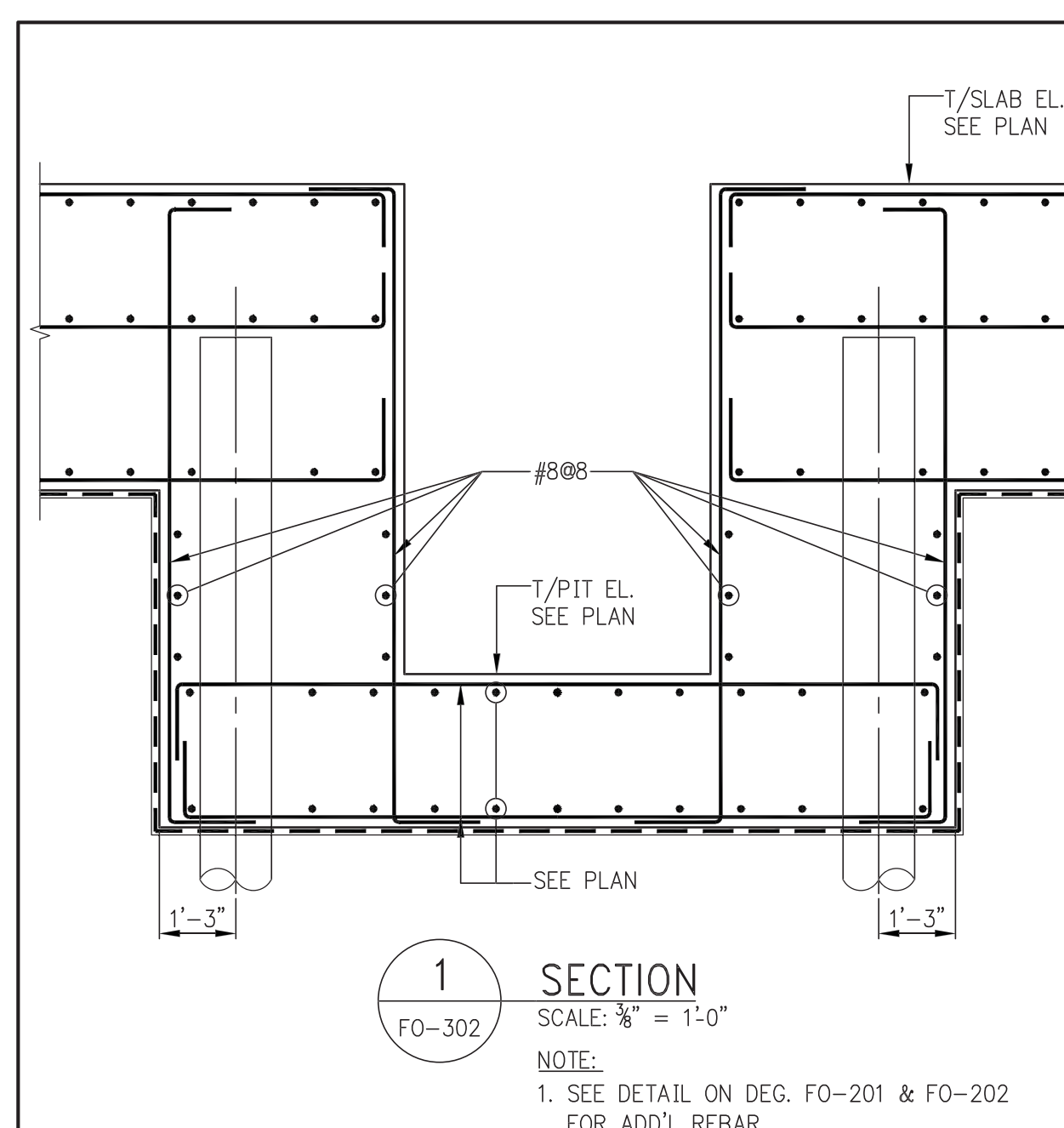
9 SECTION
FO-301 SCALE: 1/2" = 1'-0"



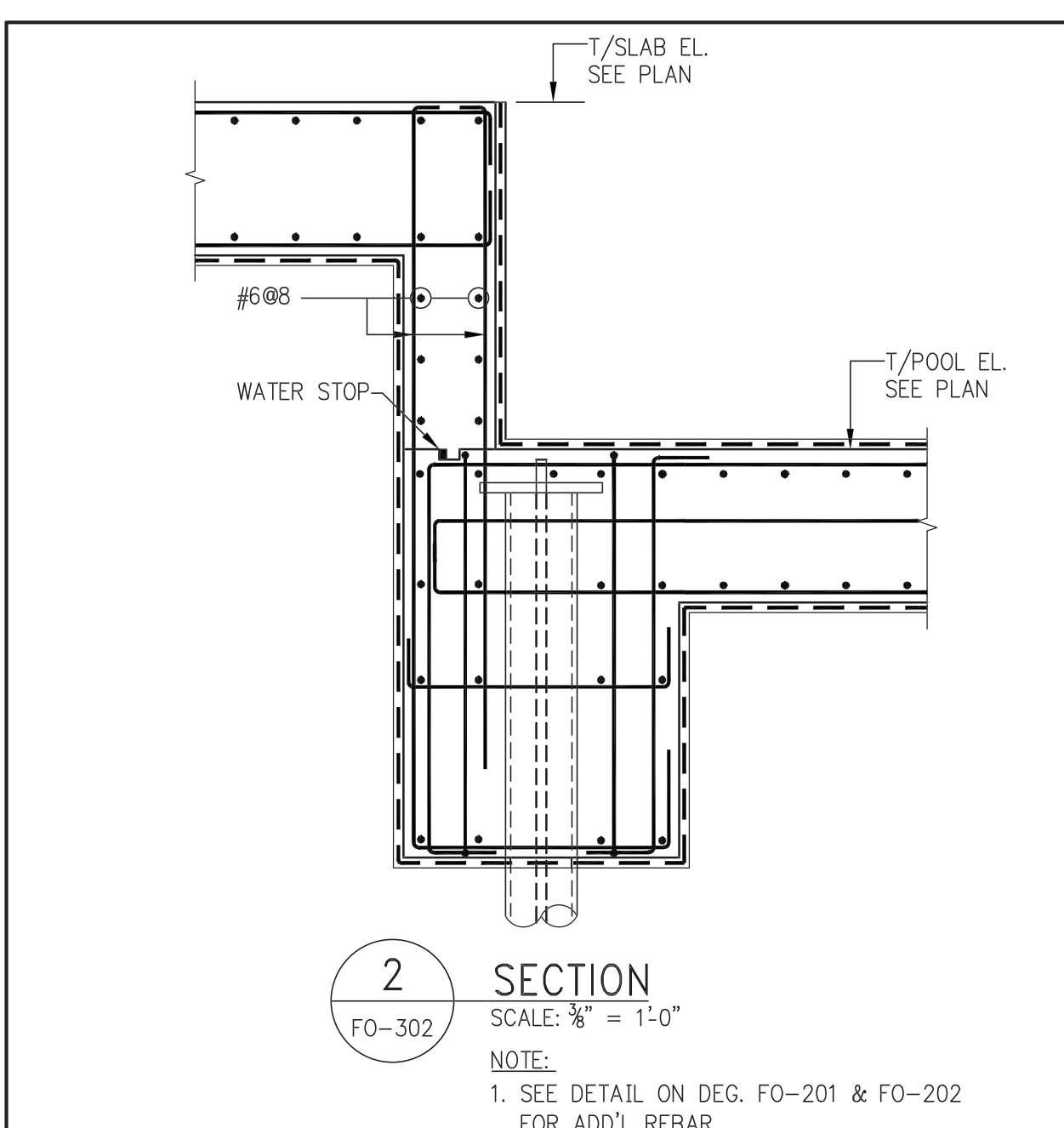
9A SECTION
FO-301 SCALE: 1/2" = 1'-0"

30" x 42" PANEL SHEET SIZE

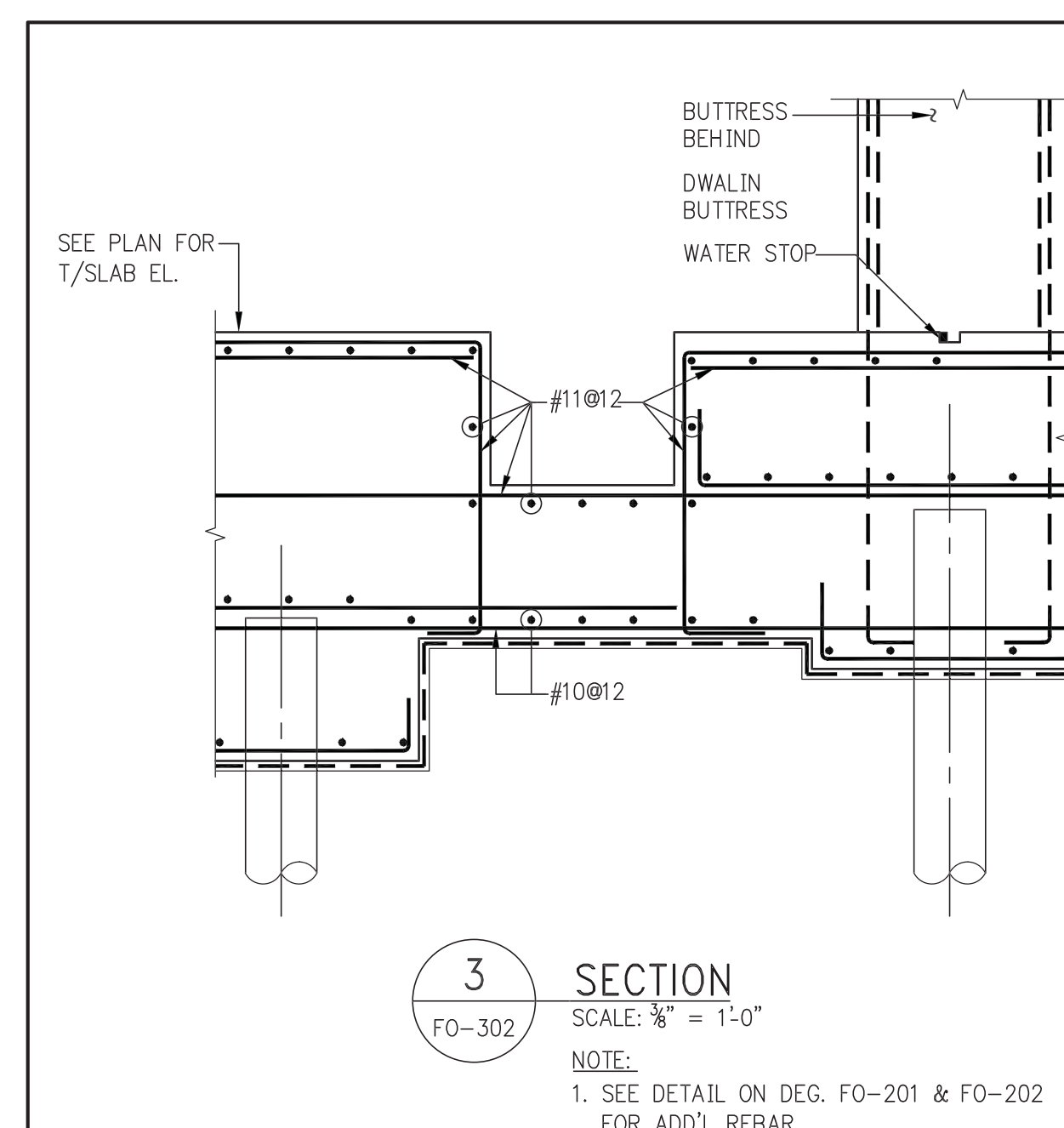
DEPT OF BUILDINGS 119322



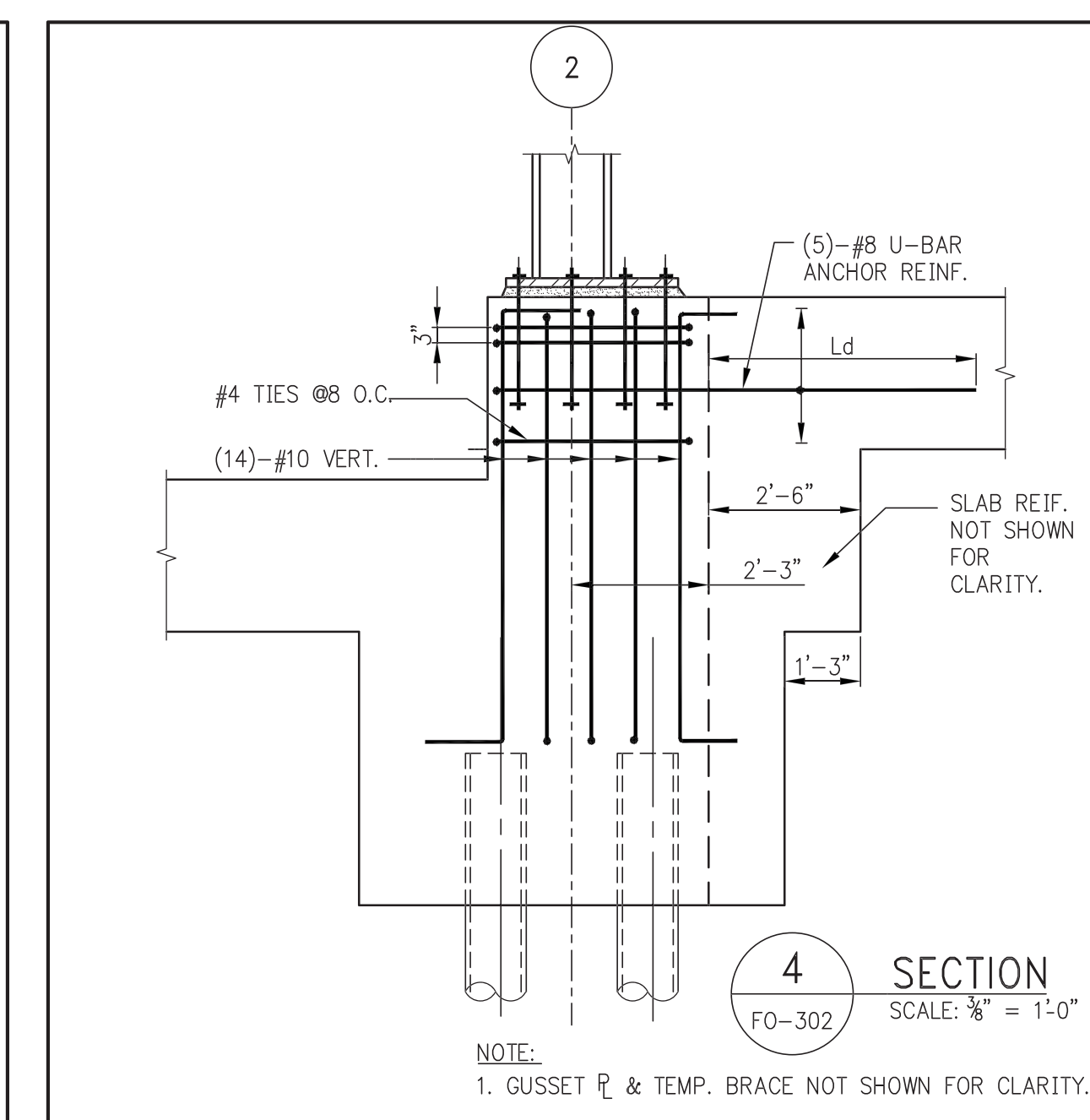
1 SECTION
FO-302 SCALE: 1/2" = 1'-0"
NOTE:
1. SEE DETAIL ON DEG. FO-201 & FO-202 FOR ADD'L REBAR.



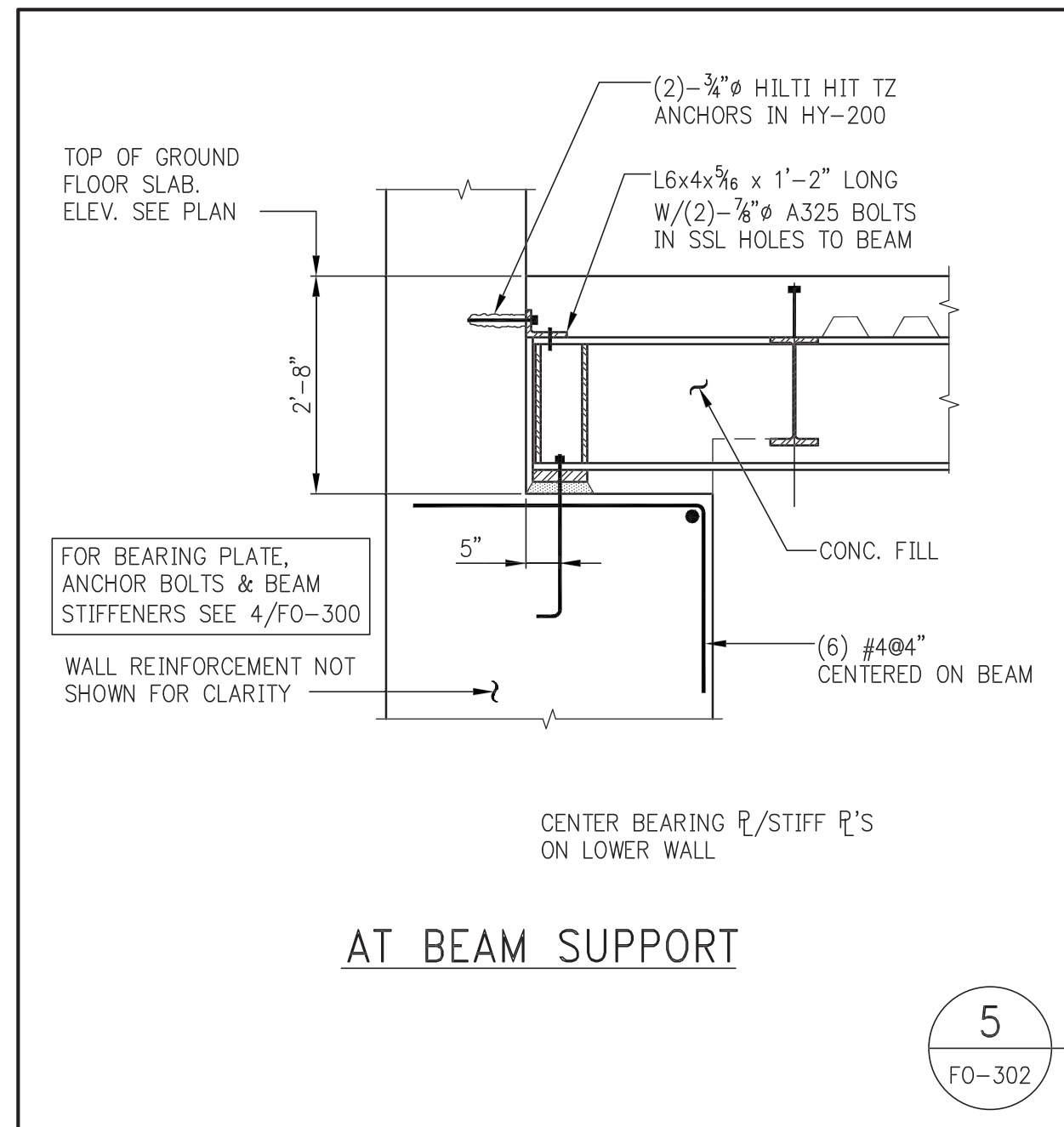
2 SECTION
FO-302 SCALE: 1/2" = 1'-0"
NOTE:
1. SEE DETAIL ON DEG. FO-201 & FO-202 FOR ADD'L REBAR.



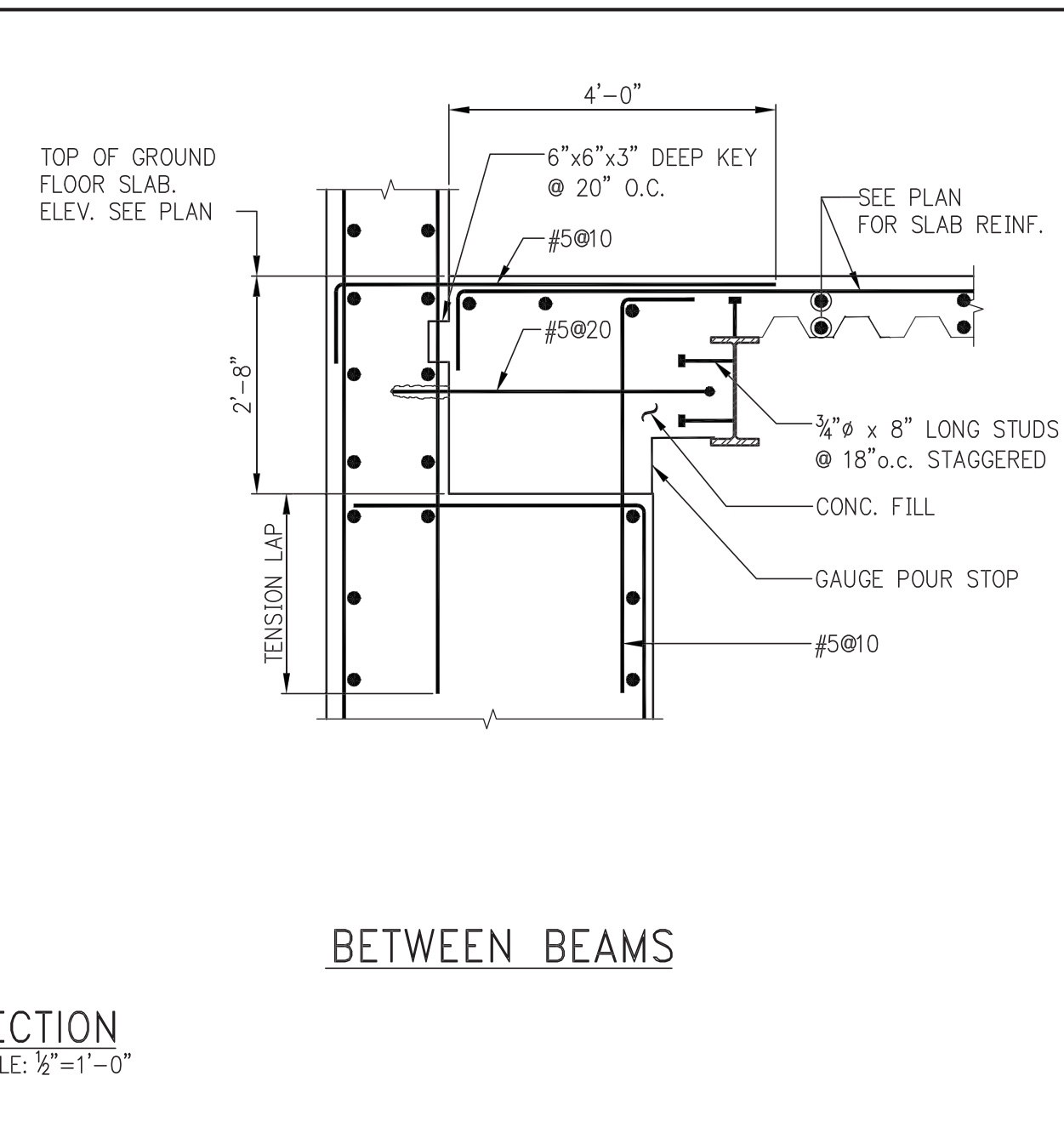
3 SECTION
FO-302 SCALE: 1/2" = 1'-0"
NOTE:
1. SEE DETAIL ON DEG. FO-201 & FO-202 FOR ADD'L REBAR.



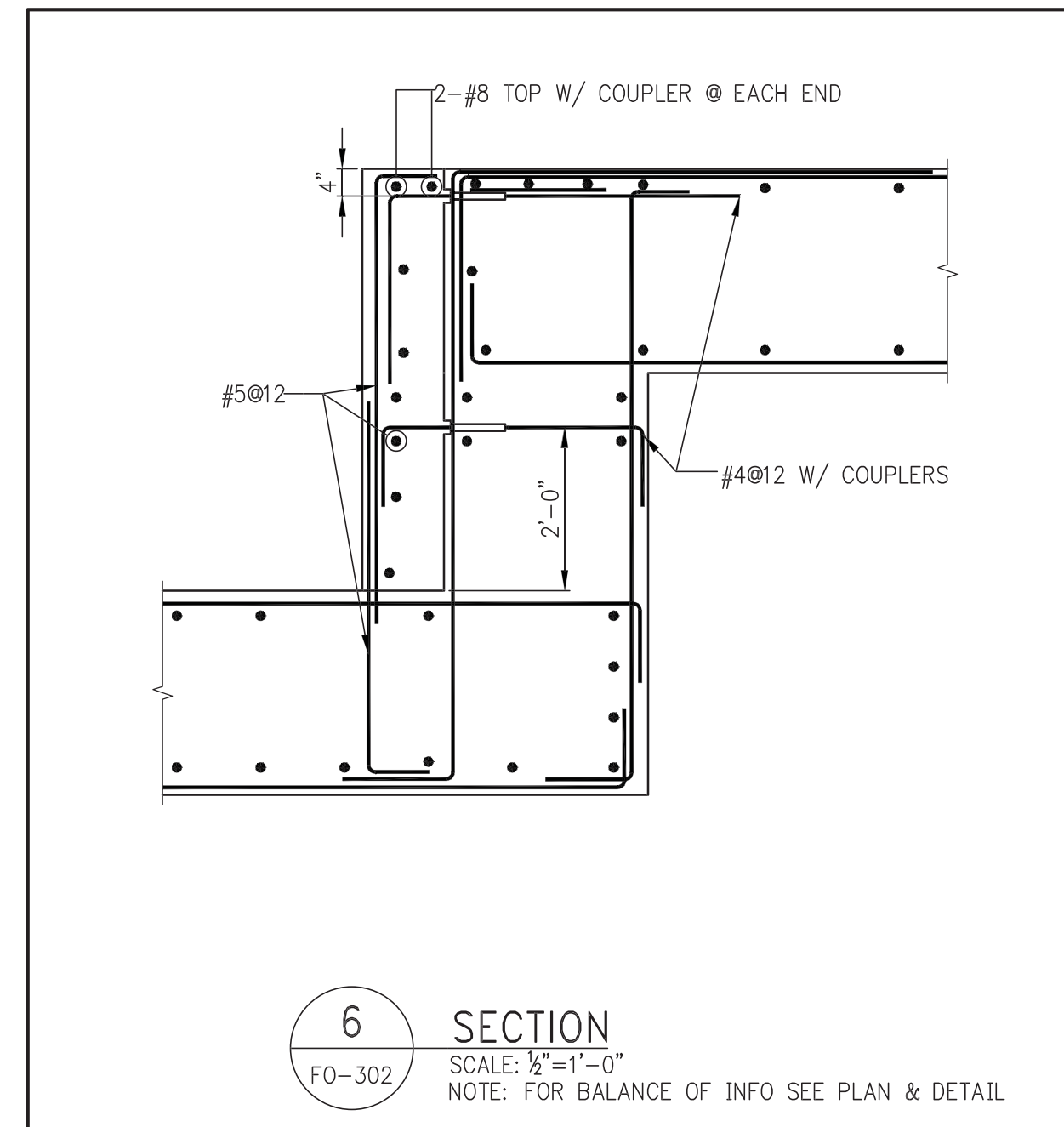
4 SECTION
FO-302 SCALE: 1/2" = 1'-0"
NOTE:
1. GUSSET P & TEMP. BRACE NOT SHOWN FOR CLARITY.



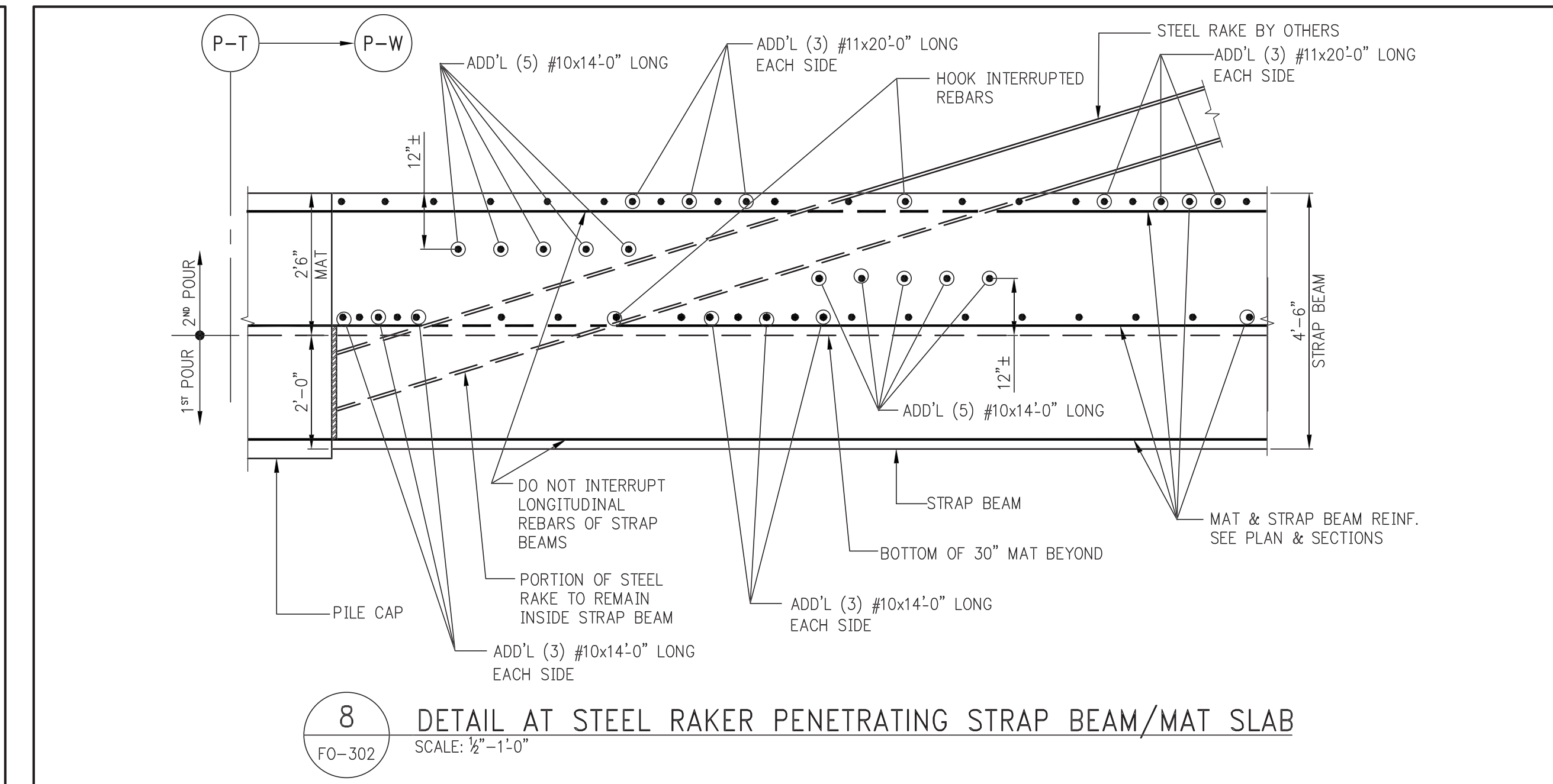
5 SECTION
FO-302 SCALE: 1/2" = 1'-0"



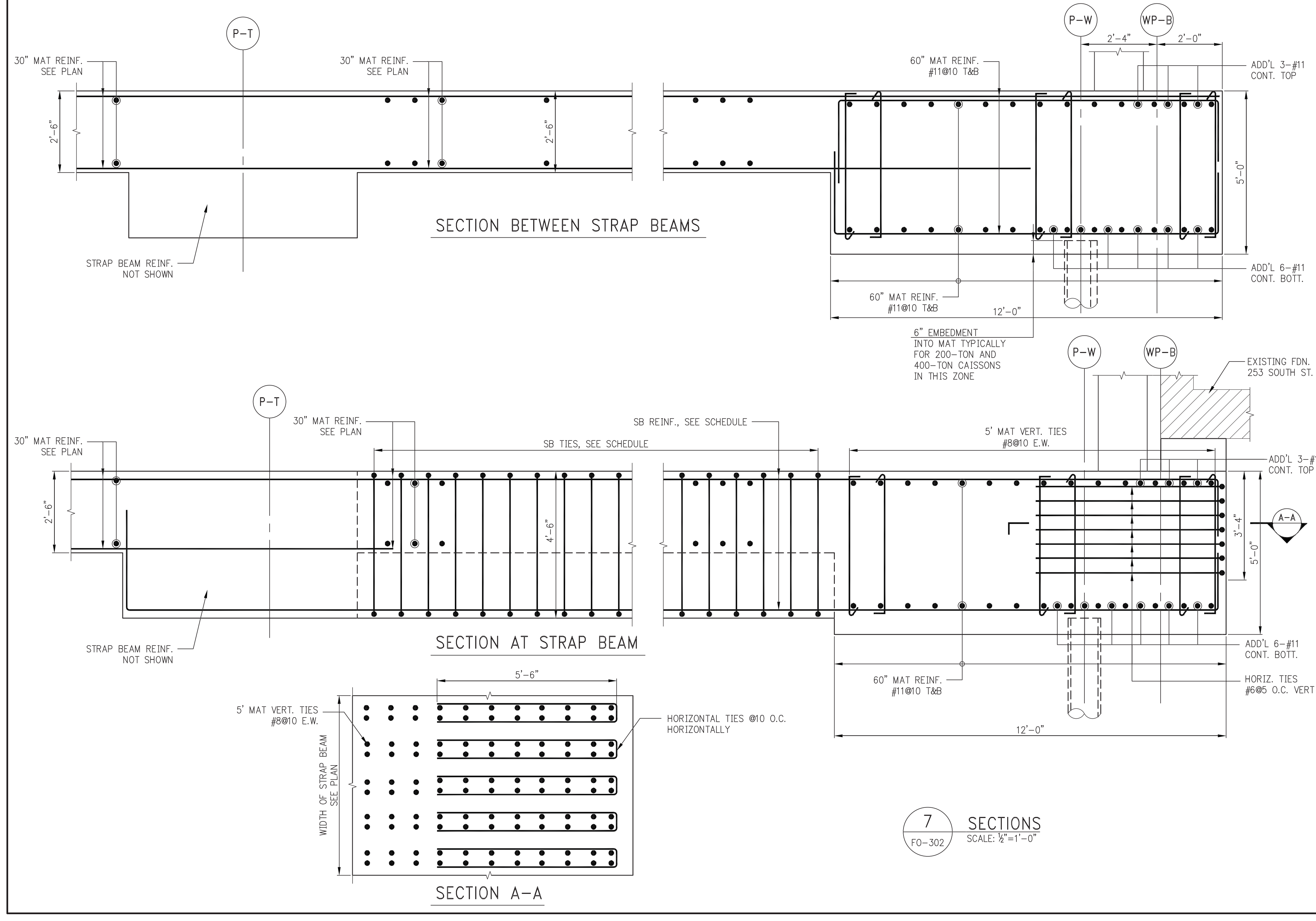
6 SECTION
FO-302 SCALE: 1/2" = 1'-0"



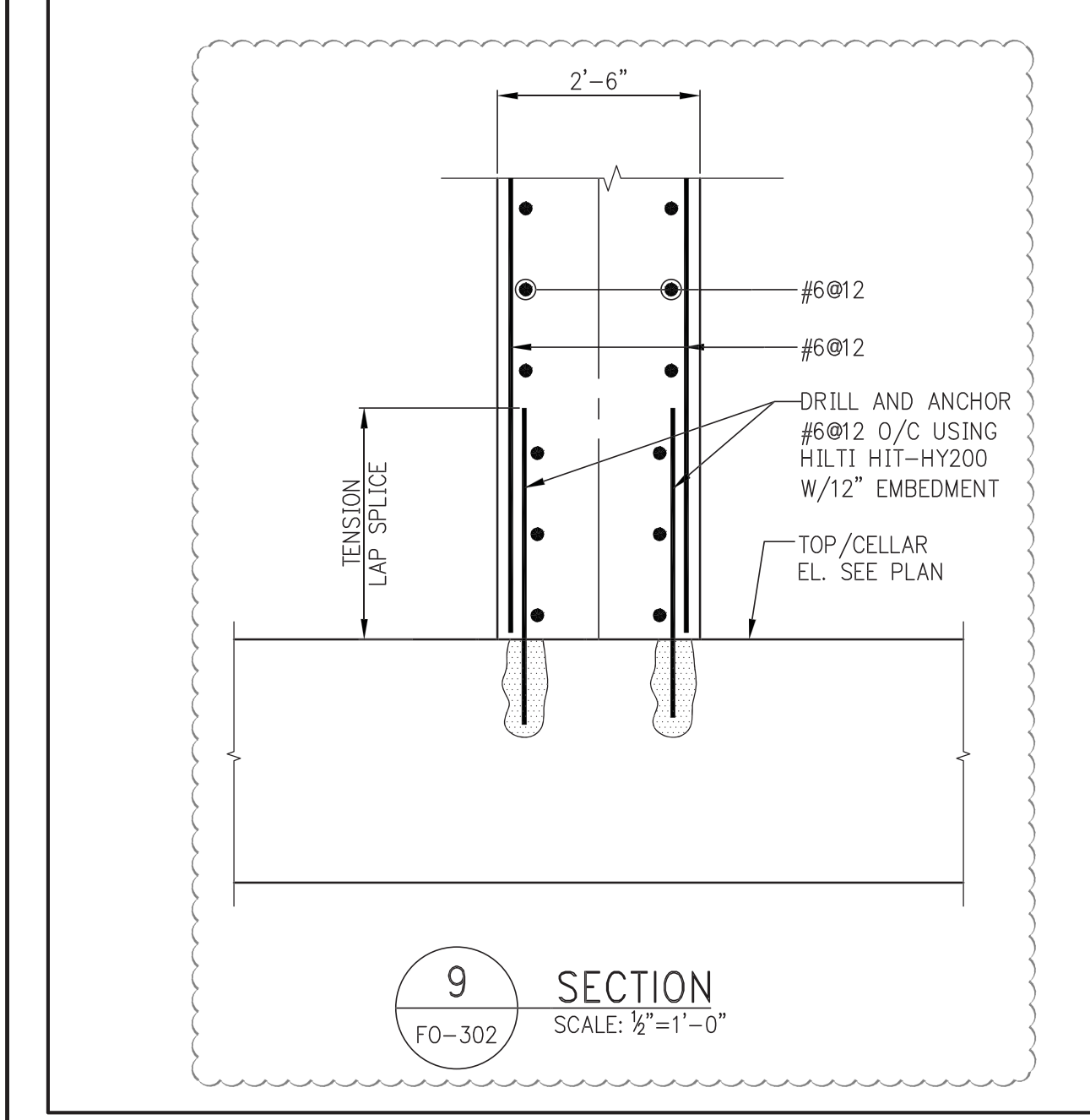
7 SECTION
FO-302 SCALE: 1/2" = 1'-0"
NOTE: FOR BALANCE OF INFO SEE PLAN & DETAIL.



8 DETAIL AT STEEL RAKER PENETRATING STRAP BEAM/MAT SLAB
FO-302 SCALE: 1/2" = 1'-0"



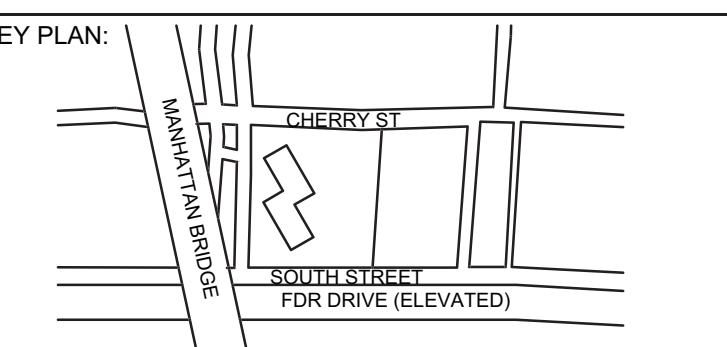
9 SECTIONS
FO-302 SCALE: 1/2" = 1'-0"



10 SECTION
FO-302 SCALE: 1/2" = 1'-0"



11 SECTION
FO-302 SCALE: 1/2" = 1'-0"



PROJECT NORTH TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

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INTERIOR DESIGNER:
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TEL: 212-627-5574

LANDSCAPE DESIGNER:
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LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | ADDENDUM #6 | 06-03-15 |
| 2 | ADDENDUM #7 | 06-17-15 |
| 3 | ADDENDUM #8 | 07-10-15 |
| 4 | ISSUED FOR FILING | 07-28-15 |
| 5 | 80% CONSTRUCTION DOCUMENTS | 08-14-15 |
| 6 | ADDENDUM #11 | 09-25-15 |
| 7 | ISSUED FOR FILING | 02-09-16 |
| 8 | ASI #55 | 02-12-16 |
| 9 | ISSUED FOR FILING | 03-07-16 |

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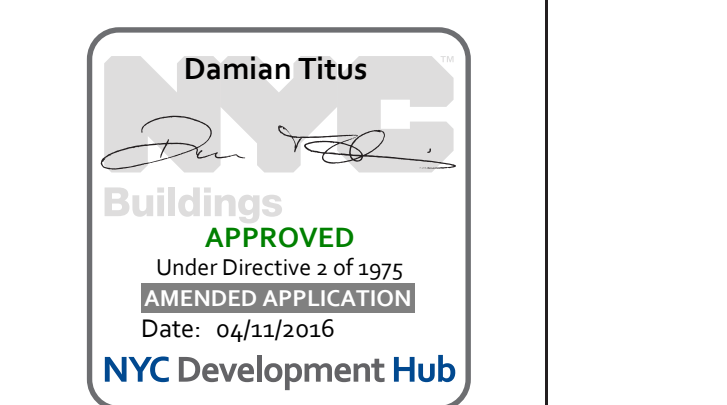
ALL DIMENSIONS ARE SHOWN IN IMPERIAL.



PROJECT:
252 SOUTH STREET
NEW YORK, NY

DRAWING TITLE:
FOUNDATION SECTIONS 2

SEAL & SIGNATURE: [Signature] DATE: 07/25/14
PROJECT No: 1302510
DRAWN: CADD REV: [Signature]
CHK: CL
SCALE:
DWG No: **FO-302.02**
DOB PAGE No: of
DOB EMPLOYEE STAMP: [Signature] DOB B-SCAN:



FILE NAME: [Blank] PLOT DATE: [Blank]

ABBREVIATIONS:

Table of abbreviations for construction terms, including ANCHOR BOLT, AIR CONDITIONER, AMERICAN CONCRETE INSTITUTE, etc.

NON-STRUCTURAL ITEMS SHOWN ON THE STRUCTURAL/FOUNDATION DRAWINGS

- 1. THE FOLLOWING NON-STRUCTURAL ITEMS MAY BE SHOWN ON THE STRUCTURAL AND/OR FOUNDATION DRAWINGS FOR THE PURPOSE OF CLARITY IN INTERFACE WITH STRUCTURAL AND/OR FOUNDATION WORK...

- GEOTECHNICAL ENGINEER: FOUNDATION/UNDERSLAB WATERPROOFING, DAMPROOFING SYSTEMS, WALL DRAINAGE SYSTEM, ROCK ANCHORS, CAISSONS AND PILES, INCLUDING REINFORCEMENT, ROCK CONTOURS

CONTROLLED INSPECTIONS

Table with columns: (TERMINOLOGY PER CURRENT TR-1) SPECIAL INSPECTION, CURRENT CODE REFERENCES, (PREVIOUS TERMINOLOGY) "CONTROLLED INSPECTION"

* THESE TESTS MUST BE PERFORMED BY A LICENSED CONCRETE TESTING LAB.

- NOTES: 1. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SCOPE AND DETAILED REQUIREMENTS FOR INSPECTIONS. 2. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN APPROVED SPECIAL INSPECTION AGENCY ACCEPTABLE TO THE ENGINEER OF RECORD.

PILE NOTES:

- 1. FOUNDATION DESIGN AND PILE STRENGTH ARE BASED ON GEOTECHNICAL REPORT BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C. DATED JANUARY 2, 2014. 2. PILE CAPACITIES SEE FW-100.

STRUCTURAL STEEL NOTES:

- 1. STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE. ALL STEEL TO BE ASTM A992 FOR ROLLED SECTIONS & A572 FOR PLATES HAVING A MINIMUM YIELD OF 50,000 PSI U.O.N. 2. ALL STRUCTURAL RECTANGULAR AND SQUARE HSS TO BE A500 GR. B (Fy = 46KSI) STRUCTURAL ROUND HSS TO BE A500 GR. B (Fy = 46KSI) STRUCTURAL CHANNELS TO BE A36 (Fy = 36KSI) ANCHOR BOLTS TO BE F1554 GR. 55 WELDABLE (Fy = 56KSI) STRUCTURAL ANGLES TO BE A36 (Fy = 36KSI) ALL PLATES SHALL BE ASTM A572 GR. 50 (Fy=50 ksi) U.O.N.

- 22. DESIGN OF ALL TEMPORARY STEEL COLUMN BRACING REQUIRED DURING ERECTION SHALL BE THE RESPONSIBILITY OF THE STEEL CONTRACTOR. 23. ALL STEEL BEAMS AND COLUMNS SHALL BE SPRAY FIREPROOFED U.O.N ON ARCH. DWGS. AND SPECS (WITH THE EXCEPTION OF COLUMNS & BEAMS ENCASED IN CONCRETE) SEE ARCH. DRAWINGS FOR APPROPRIATE RATING.

CAISSON NOTES:

- 1. THE DESIGN AND INSTALLATION OF CAISSONS, CAISSON CAPS, AND RELATED CONSTRUCTION IS TO CONFORM TO THE REQUIREMENTS SET FORTH IN THE NEW YORK CITY BUILDING CODE AND THE SPECIFICATIONS. 2. FOR DRILLED CAISSONS SEE PLAN.

GENERAL NOTES:

- 1. ALL WORK TO BE PERFORMED IN COMPLIANCE WITH THE NEW YORK CITY BUILDING CODE, 2008 EDITION AND ALL SUPPLEMENTS. 2. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD AND BE RESPONSIBLE FOR ACCURATE COORDINATION WHERE POSSIBLE. EXISTING DRAWING DIMENSIONS WAS TAKEN FROM EXISTING DWGS. AND SHALL BE VERIFIED ON SITE. DISCREPANCIES SHALL BE REPORTED TO ARCH. AND ENGINEER BEFORE PROCEEDING.

A. EXCAVATION NOTES:

- 1. ALL FOUNDATIONS SHALL BEAR ON PILES AND CAISSONS (SEE PILE AND CAISSON NOTES) 2. WHERE EXISTING FOUNDATIONS OF ADJACENT PROPERTY IS LOWER THAN ELEVATIONS SHOWN, NEW MAT FOUNDATION IS TO BE LOWERED TO SAME ELEVATION. WHERE NEW MAT FOUNDATION IS LOWER THAN EXISTING CONTRACTOR IS TO ESTABLISH EXISTING CONDITIONS BEFORE FOUNDATIONS, COMMENCING WORK AND NOTIFY THE ENGINEER.

B. CONCRETE AND STEEL REINFORCEMENT

- 1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, U.O.N. AND COMPLY WITH A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE. 2. CONCRETE STRENGTH SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED: -FOUNDATION PIERS, PILE CAPS 8600 PSI -BUTTRESSES AND FOUNDATION WALLS 8600 PSI MIN. "SEE COLUMN SCHEDULE" -COLUMN PIERS IF ANY 8600 PSI MIN. "SEE COLUMN SCHEDULE" -SLAB ON GROUND 8600 PSI FOUNDATION WALLS AND BUTTRESSES CAST INTEGRALLY WITH SHEAR WALLS 8600 PSI. SEE PLAN.

LEGEND:

- a. [Symbol] INDICATES ADDITIONAL WIND BARS b. [Symbol] INDICATES THE BOTTOM OF FOUNDATION WALL ELEVATION c. [Symbol] INDICATES THE TOP OF FOUNDATION WALL ELEVATION d. [Symbol] INDICATES BOTTOM OF PILE CAP ELEVATION e. [Symbol] INDICATES SIZE OF PIER IN INCHES, FIRST DIMENSION SHOWN IS IN THE EAST-WEST DIRECTION.

- 9. CONTRACTOR TO INSTALL ALL PIPE SLEEVES, BOXED OPENINGS, ANCHOR BOLTS, ETC., AS REQUIRED FOR THE VARIOUS TRADES. WALL POCKETS TO RECEIVE BEAMS AND SLABS SHALL BE PROVIDED AS REQUIRED FOR THE SUPERSTRUCTURE. SHOP DRAWINGS SHOWING THE POSITION OF OPENINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.

C. CODES AND TESTS

- 1. THIS STRUCTURE HAS BEEN DESIGNED UNDER THE PROVISIONS OF THE NEW YORK CITY BUILDING CODE AS AMENDED AND A.C.I. 318. 2. ALL CONTROLLED CONCRETE SHALL COMPLY WITH THE A.C.I. 318 BUILDING CODE. APPLICATION FOR CONTROLLED CONCRETE WITH CONCRETE TESTS AND CURVES OF TESTS FOR THE PRELIMINARY DESIGN MIX PREPARED BY AN APPROVED LABORATORY MUST BE SUBMITTED TO THE ENGINEER FOR FILING WITH THE BUILDING DEPARTMENT. NO CONCRETE SHALL BE PLACED WITHOUT THE DESIGN MIX BEING APPROVED BY THE BUILDING DEPARTMENT.

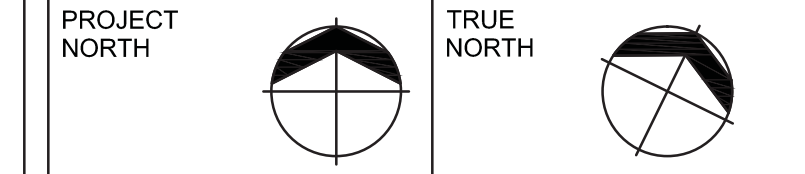
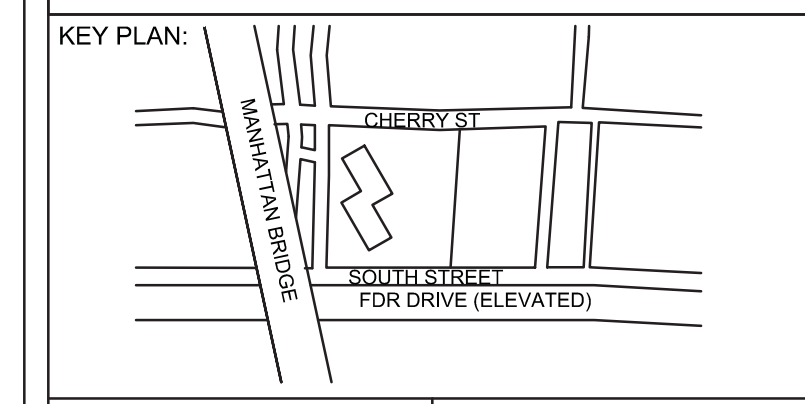
MASONRY NOTES

- 1. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COMPLETE REQUIREMENTS FOR C.M.U. MASONRY CONSTRUCTION AND APPEARANCE. DETAILS AND NOTES SHOWN ON THE STRUCTURAL DRAWINGS ARE INTENDED TO SUPPLEMENT ARCHITECTURAL REQUIREMENTS AND TO DEFINE ELEMENTS WHICH PROVIDE STRUCTURAL STRENGTH AND STABILITY. 2. DETAILS, SECTIONS, SCHEDULES, ETC. AND THESE NOTES, REPRESENT THE MINIMUM REQUIREMENTS FOR STRUCTURAL ADEQUACY. WHERE ARCHITECTURAL REQUIREMENTS DIFFER FROM STRUCTURAL, THE MORE STRINGENT SHALL BE FOLLOWED.

LOADING SCHEDULE

Table with columns: OCCUPANCY, PARTITION/FILL &/OR FINISHES (PSF), CEIL. & MECH. (PSF), LIVE LOAD

NOTE: 1. LOADS ARE AS SHOWN ABOVE U.O.N. ON PLAN



DEVELOPER: EXTELL DEVELOPMENT COMPANY 805 Third Ave, 7th Floor New York, NY 10022 TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD: AAI ARCHITECTS, P.C. 14 Wall Street, 2nd Floor New York, NY 10005 TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER: MEYER DAVIS 180 Varick St, suite 404 New York, NY 10014 TEL: 212-627-6574

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MEP ENGINEER: ICOR ASSOCIATES, LLC 485 C Route 1 South, Suite 200 Iselme, NJ 08830 TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEER: LANGAN ENGINEERING & ENVIRONMENTAL SERVICES 21 Penn Plaza - 360 West 31st Street, 8th Floor New York, NY 10001 TEL: 212-479-5400 FAX: 212-479-5444

Table with columns: No., DESCRIPTION, DATE

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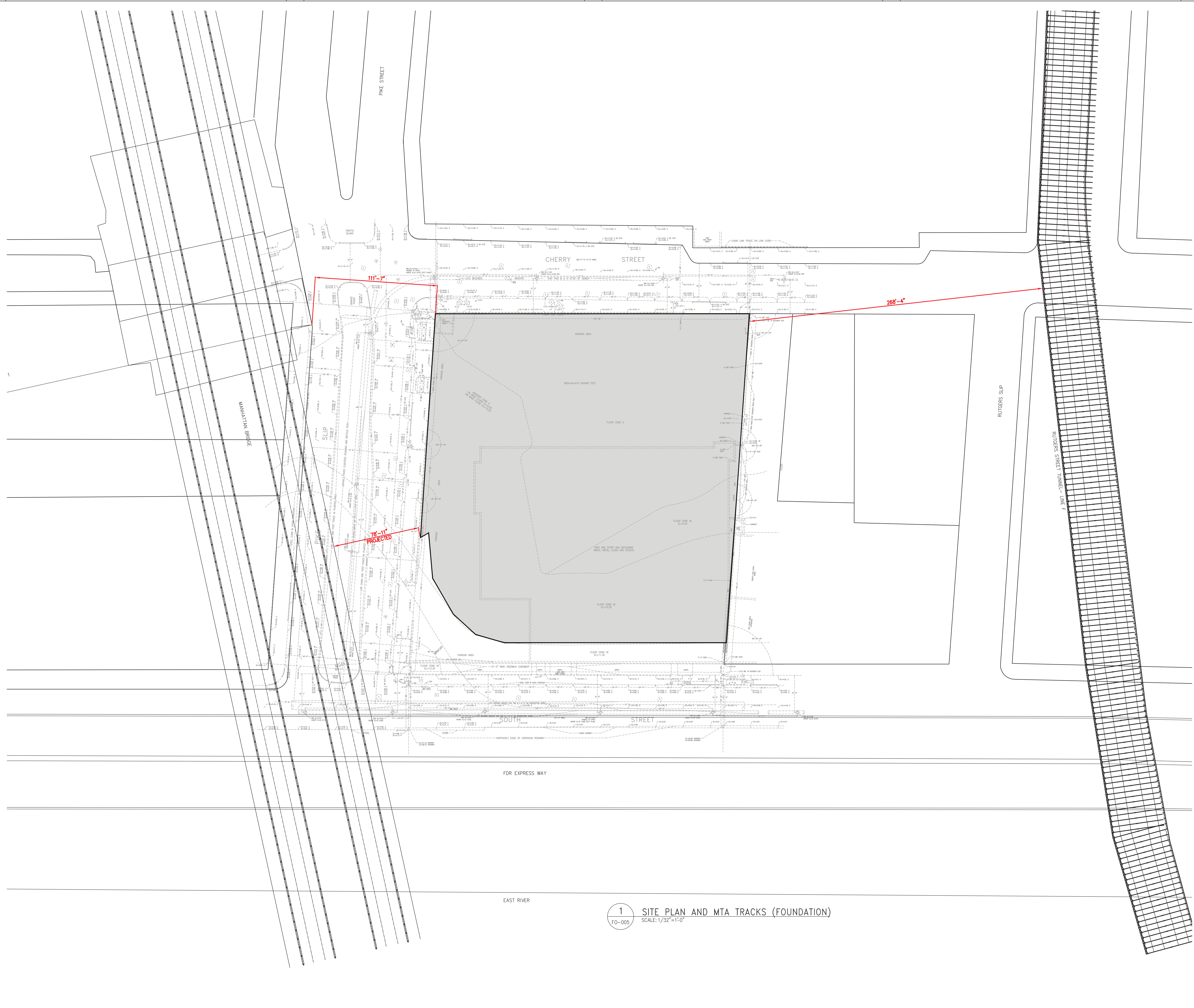
CONSULTANT: WSP PROJECT: 250 SOUTH STREET NEW YORK, NY

DRAWING TITLE: GENERAL NOTES, LEGEND AND ABBREVIATIONS 1

DATE: 07/25/14 PROJECT No: 1302510 DRAWN: CAD REV: CHK: CL SCALE: N.T.S. DWG No: FO-001.01

Professional Engineer Seal for Damian Titus, State of New York, License No. 00527, Exp. 08/31/15.

DOB EMPLOYEE STAMP: DOB B-SCAN: APPROVED Under Directive # of 1975 NYC Department of Buildings Date: 10/08/2014 NYC Development Hub



DEPT OF BUILDINGS 193222 10/17

KEY PLAN:

PROJECT NORTH TRUE NORTH

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EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
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ARCHITECT OF RECORD:
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| No. | DESCRIPTION: | DATE: |
|-----|---------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | 50% DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 7 | DESIGN DEVELOPMENT | 10-07-14 |
| 8 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 9 | ISSUED FOR FILING | 02-13-15 |
| 10 | ISSUED FOR FILING | 07-28-15 |

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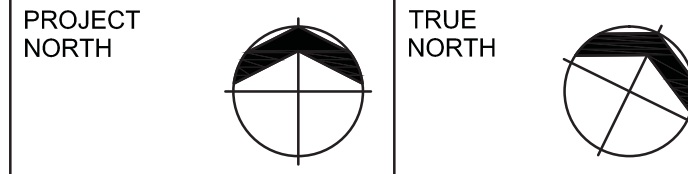
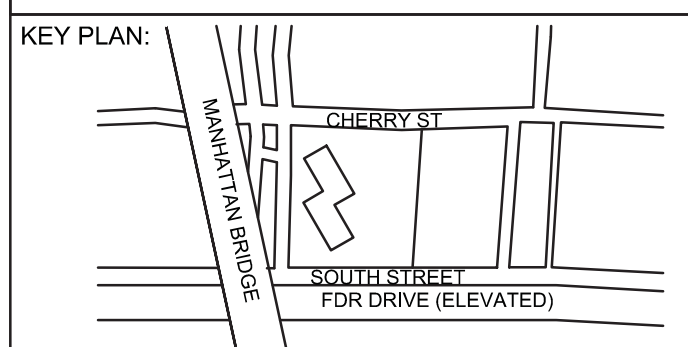
PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
**SITE PLAN AND MTA TRACKS
(FOUNDATION)**

SEAL & SIGNATURE: DATE: 07/29/14
PROJECT No: 1302510
DRAWN: CADD REV: CL
CHK: CL
SCALE: 1/32" = 1'-0"
DWG No: **FO-005.00**
DOB PAGE No: of

DOB EMPLOYEE STAMP: DOB B-SCAN:

1 SITE PLAN AND MTA TRACKS (FOUNDATION)
FO-005 SCALE: 1/32"=1'-0"



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TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|---------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | ISSUED FILING | 07-28-15 |


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PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

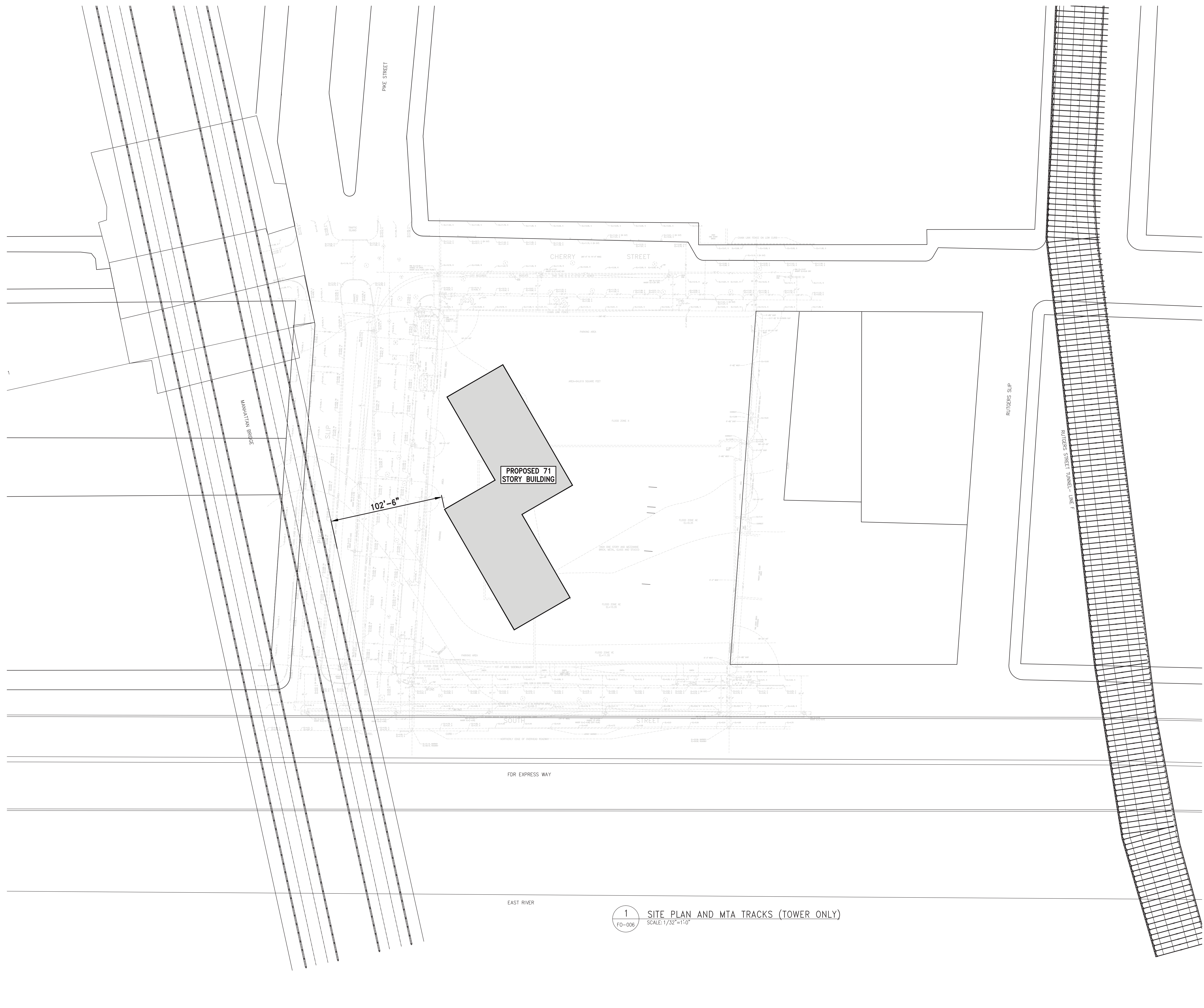
DRAWING TITLE:
**SITE PLAN AND MTA TRACKS
(TOWER ONLY)**

SEAL & SIGNATURE:  DATE: 07/25/14

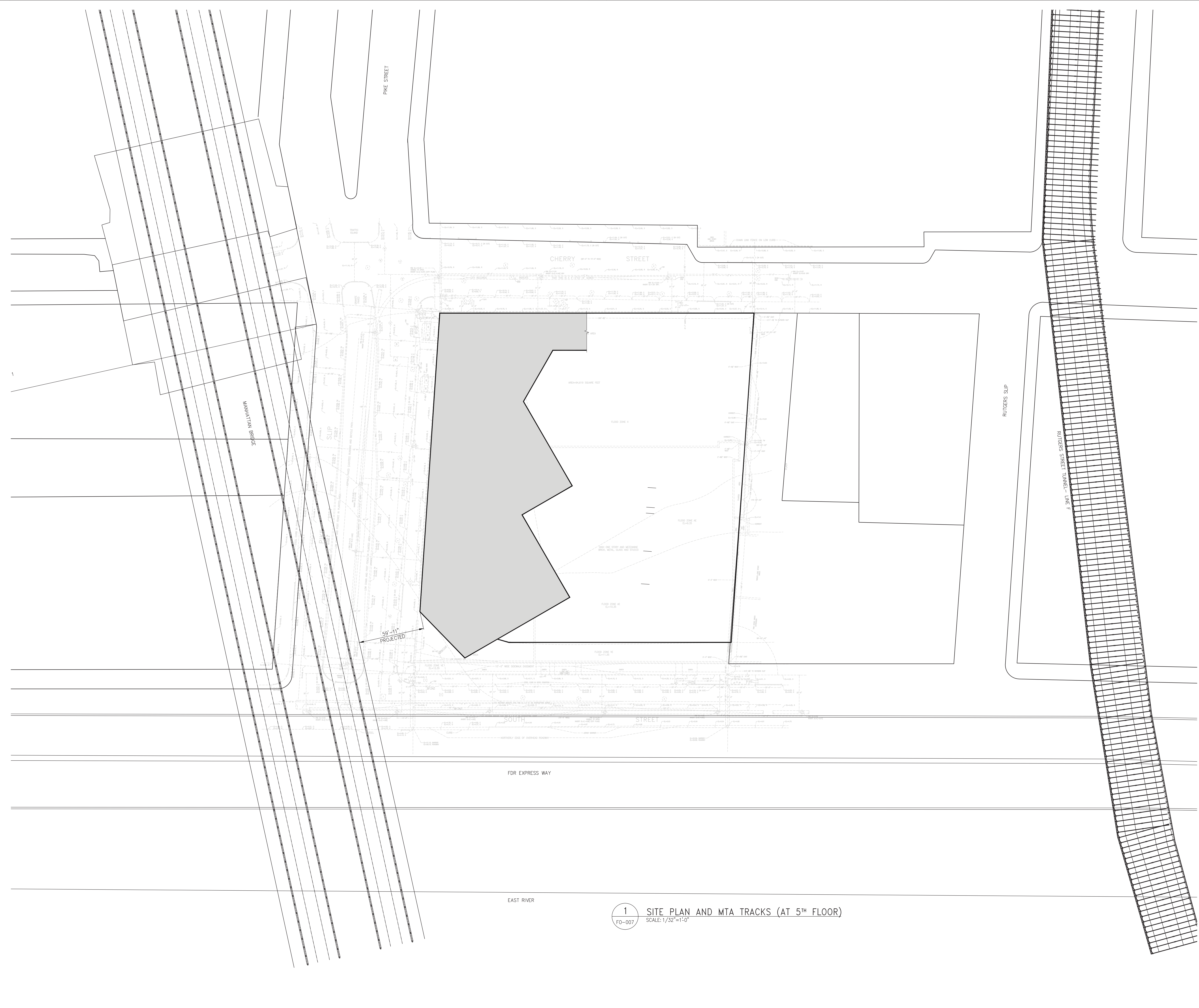
PROJECT No: 1302510
DRAWN: CADD REV:
CHK: CL
SCALE: 1/32" = 1'-0"
DWG No: **FO-006.00**

DOB PAGE No: of
DOB EMPLOYEE STAMP: DOB B-SCAN:

Damian Titus
Buildings
APPROVED
Under Directive 2 of 2015
DATE OF INSPECTION
Date: 10/08/2015
NYC Development Hub



1 SITE PLAN AND MTA TRACKS (TOWER ONLY)
FO-006 SCALE: 1/32" = 1'-0"



DEPT OF BLDGS & FIRE

KEY PLAN:

PROJECT NORTH: TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
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New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
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| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | ISSUED FOR FILING | 02-13-15 |
| 5 | ISSUED FOR FILING | 07-28-15 |

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CONSULTANT: **WSP**

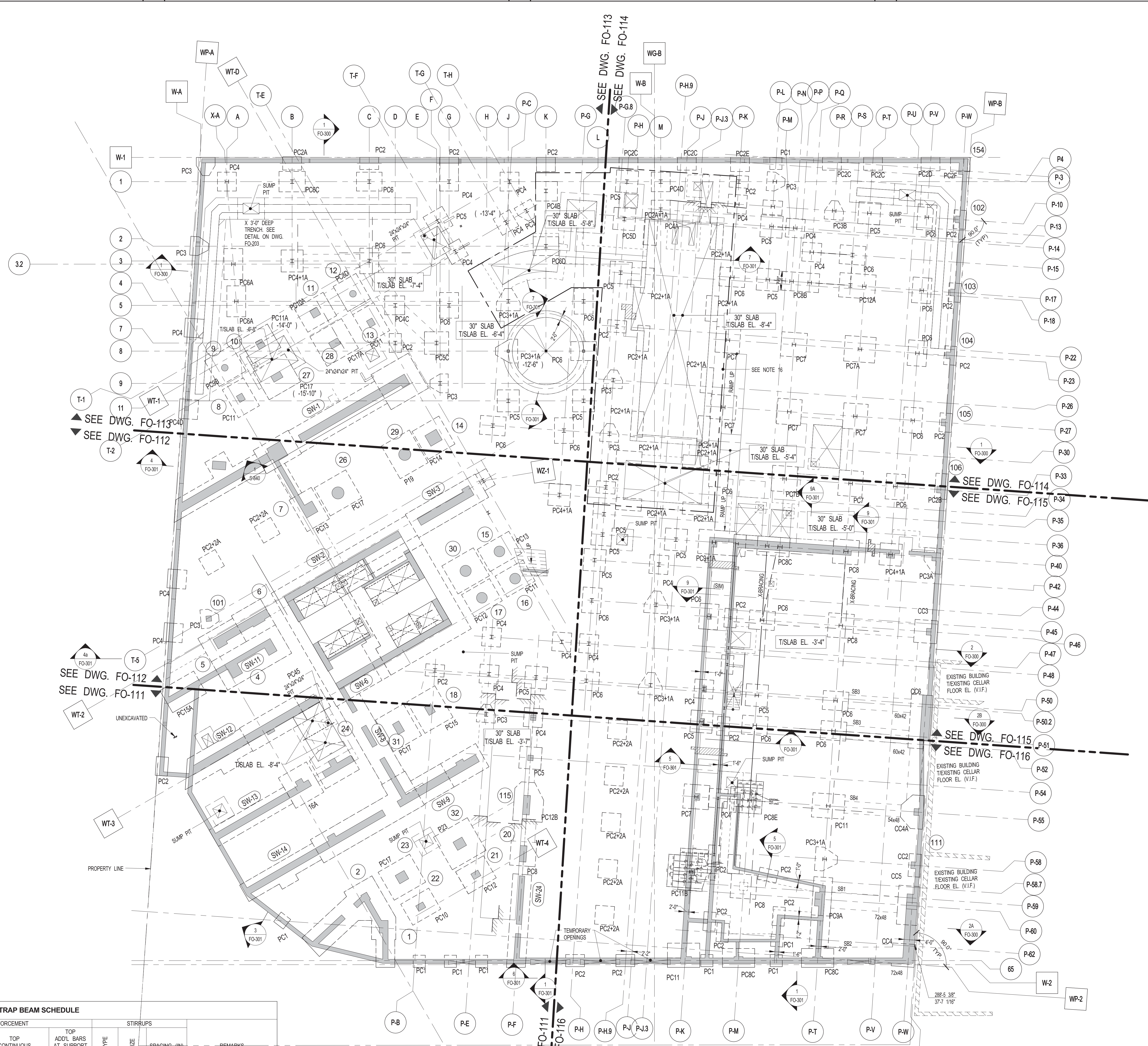
PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
**SITE PLAN AND MTA TRACKS
(AT 5th FLOOR)**

SEAL & SIGNATURE: [Professional Seal] DATE: 07/29/14
PROJECT No: 1302510
DRAWN: CADD REV:
CHK: CL
SCALE: 1/32" = 1'-0"
DWG No: **FO-007.00**
DOB PAGE No: of
DOB EMPLOYEE STAMP: [Stamp] DOB B-SCAN:

Damian Titus
Buildings
APPROVED
Under Directive 2 of 2015
DATE OF INSPECTION
Date: 10/08/2015
NYC Development Hub

1 SITE PLAN AND MTA TRACKS (AT 5th FLOOR)
FO-007 SCALE: 1/32" = 1'-0"



SEE DWG. FO-113
SEE DWG. FO-114

SEE DWG. FO-112
SEE DWG. FO-111

SEE DWG. FO-114
SEE DWG. FO-115

SEE DWG. FO-112
SEE DWG. FO-111

SEE DWG. FO-115
SEE DWG. FO-116

1 FOUNDATION PLAN
SCALE: 1/16" = 1'-0"

- NOTES:**
- TOP OF PRESSURE SLAB ELEVATION TO BE 2'-8" U.O.N. THRU() ON PLAN.
 - PRESSURE SLAB TO BE 3" MIN THICK U.O.N. THRU() ON PLAN.
 - REIN. TO BE #11@12 CONT. E.W. TOP.
 - ALL PRESSURE SLAB TO BE POURED ON WATERPROOF MEMBRANE PLACED ON 7" MUD SLAB.
 - EXISTING SLAB ON GROUND EXISTING FOOTINGS AND WALLS SHALL BE REMOVED AS REQUIRED TO PERMIT THE INSTALLATION OF THE NEW STRUCTURE SYSTEM (AS PART OF FOUNDATION SCOPE).
 - TOP OF PILE CAP ELEVATION IS THE SAME AS TOP OF SLAB ELEVATION AT CELLAR U.O.N.
 - CENTER OF COLUMN IS THE SAME AS CENTER OF PILE CAP U.O.N.
 - ALL BOTTOM REINFORCEMENT TO BE EPOXY COATED.
 - FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND SEE DRAWING FO-101.
 - FOR FOUNDATION TYPICAL DETAILS, PILE/CAissons/CD/CAP DETAIL SEE FO-200 SERIES DRAWINGS.
 - FOR FOUNDATION SECTIONS SEE FO-300 SERIES DRAWINGS.
 - FOR LINK BEAM SCHEDULE AND SHEARWALL DETAILS SEE S-940 SERIES DRAWINGS.

- FOR COLUMN SIZES, REINFORCEMENT AND DETAILS SEE S-960 SERIES DRAWINGS.
- FOR SHEARWALL PILE CAPS SEE DWG. FO-101 THRU FO-104.
- ALL BOTTOM REINFORCEMENT TO BE EPOXY COATED.
- ADDITIONAL REQUIREMENTS FOR CONCRETE IN SWIMMING POOL AREA:
 - WATER/CEMENT RATIO TO BE 0.5 MAX.
 - USE SILICA FUME (MIN. 10% BY THE WEIGHT OF CEMENT).
 - USE HIGH RANGE WATER REDUCER (S.P.) MIN. 15 oz / 100 lbs OF CEMENT.
 - USE LOW ALKALI CONTENT CEMENT (MAX. TOTAL ALKALI CONTENT .6%).
 - REPLACE 40% CEMENT WITH SLAG CEMENT.
 - USE 1-1.5 lbs OF FIBER MESH PER CUBIC YARD OF CONCRETE.
 - AT LEAST 50% OF SUPERPLASTICIZER SHALL BE ADDED AT THE BATCH PLANT.
 - THE CONCRETE SHALL BE CURED FOR A MIN. OF THREE (3) DAYS.
 - ALL REBAR AROUND THE POOL AREA (BEAM, WALL & SLAB ABOVE THE POOL) SHALL BE EPOXY COATED. CLEAR CONCRETE COVER SHALL BE 2" FOR ALL REBAR AROUND THE POOL AREA.

ELEVATIONS ARE ACTUAL AND REFER TO NAVD DATUM

| BEAM MARK | SIZE | | REINFORCEMENT | | TOP ADDL BARS AT SUPPORT | STIRRUPS | REMARKS |
|-----------|-------|-------|----------------------------|----------------------------|--------------------------|----------|------------------|
| | WIDTH | DEPTH | BOTTOM CONTINUOUS | TOP CONTINUOUS | | | |
| SB1 | 72 | 48 | 9-#11 | 15-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB2 | 72 | 48 | 9-#11 | 15-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB3 | 60 | 42 | 6-#11 | 12-#11 | | #4 @12 | #4@6 HORIZ. E.F. |
| SB4 | 54 | 48 | 8-#11 | 14-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB5 | 60 | 40 | 10-#11 | 20-#11(2 LAYERS) | | #4 @12 | #4@7 HORIZ. E.F. |
| SB6 | 60 | 40 | 12-#11 | 12-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB7 | 60 | 40 | 8-#11 | 8-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB8 | 60 | 40 | 12-#11(2-#11 IN 2ND LAYER) | 12-#11(2-#11 IN 2ND LAYER) | | #4 @12 | #4@7 HORIZ. E.F. |
| SB9 | 108 | 30 | 15-#11 | 12-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB10 | 105 | 30 | 20-#10 (2 LAYERS) | 12-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB11 | 30 | 58 | 8-#11 | 8-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB12 | 36 | 58 | 8-#11 | 8-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB13 | 36 | 58 | 8-#11 | 8-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB14 | 58 | 58 | 8-#11 | 8-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB15 | 60 | 48 | 10-#11 | 10-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB16 | 84 | 54 | 15-#11 | 8-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB17 | 96 | 54 | 15-#11 | 9-#11 | | #4 @12 | #4@7 HORIZ. E.F. |
| SB18 | 60 | 30 | 9-#11 | 9-#11 | | #4 @12 | #4@6 HORIZ. E.F. |



NOTE:
1. FOR ADDITIONAL INFORMATION AT HORIZONTAL CONSTRUCTION JOINT SEE ALT SECTION AA ON DWG FO-203

KEY PLAN
CHERRY ST
SOUTH STREET FOR DRIVE (ELEVATED)
WALL STREET BRIDGE

PROJECT NORTH
TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
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TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS:
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485 C Route 1 South, Suite 209
Iselin, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | 50% SD | 02-28-14 |
| 2 | 100% SD | 04-25-14 |
| 3 | ISSUED FOR DOT | 04-28-14 |
| 4 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 5 | 50% DD | 08-01-14 |
| 6 | ISSUED FOR DOT | 08-07-14 |
| 7 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 8 | DESIGN DEVELOPMENT | 10-07-14 |
| 9 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 10 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 11 | ISSUED FOR FILING | 02-13-15 |
| 12 | CONCRETE BID PACKAGE | 03-06-15 |
| 13 | ADDENDUM #1 | 03-20-15 |
| 14 | ADDENDUM #2 | 03-23-15 |
| 15 | ADDENDUM #3 | 03-27-15 |
| 16 | ADDENDUM #4 | 04-24-15 |
| 17 | ADDENDUM #5 | 05-01-15 |
| 18 | ADDENDUM #6 | 06-03-15 |
| 19 | ADDENDUM #10 | 07-20-15 |
| 20 | ISSUED FOR FILING | 07-28-15 |

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ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:
WSP

PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

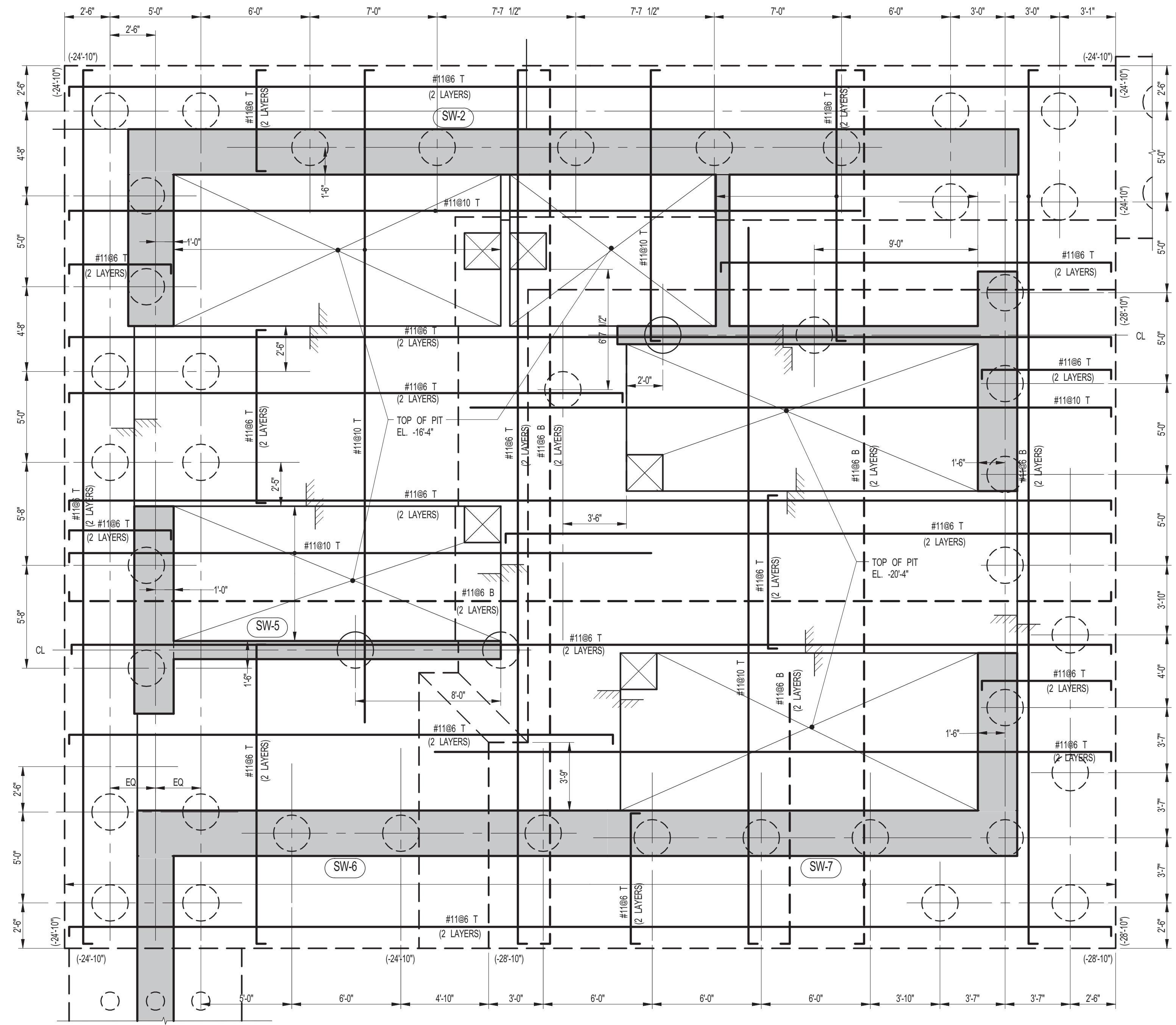
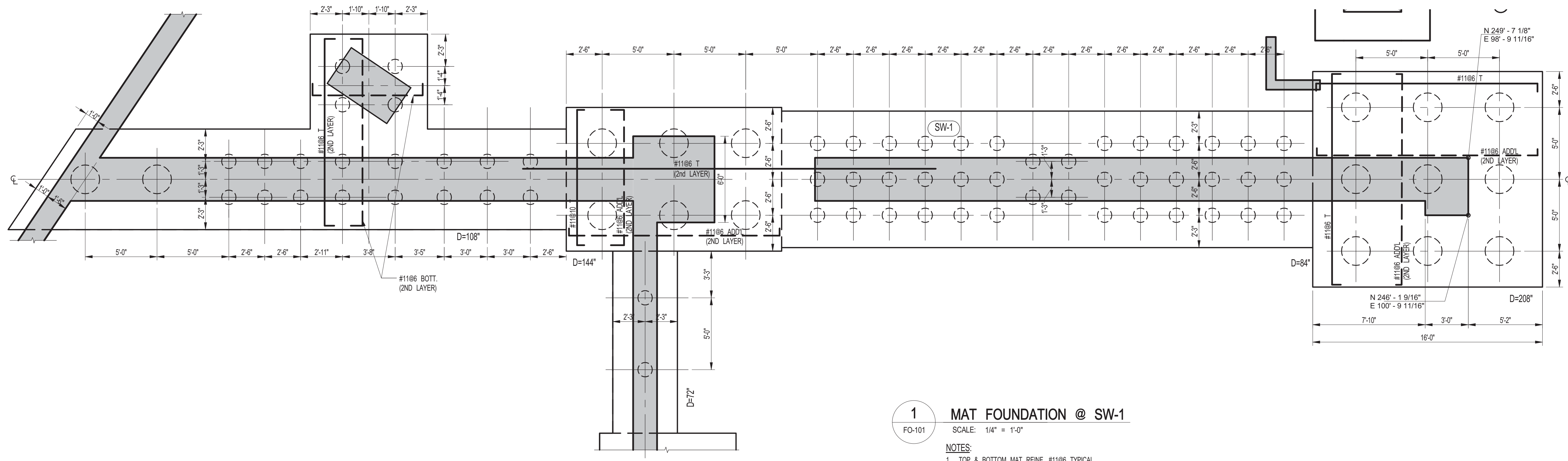
DRAWING TITLE:
OVERALL FOUNDATION PLAN

SEAL & SIGNATURE:
Damian Titus
Professional Engineer
No. 08557
Exp. 12/31/2017

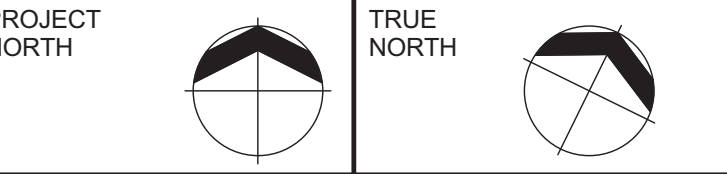
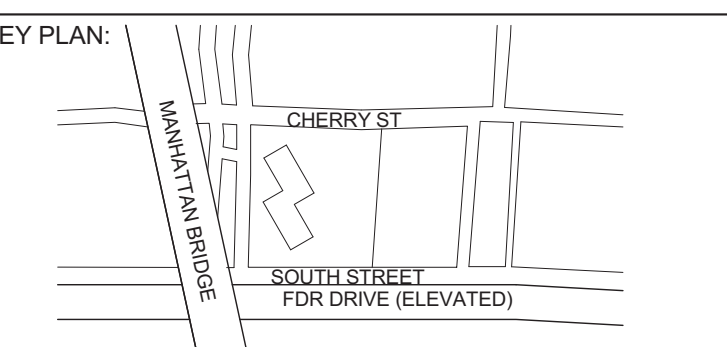
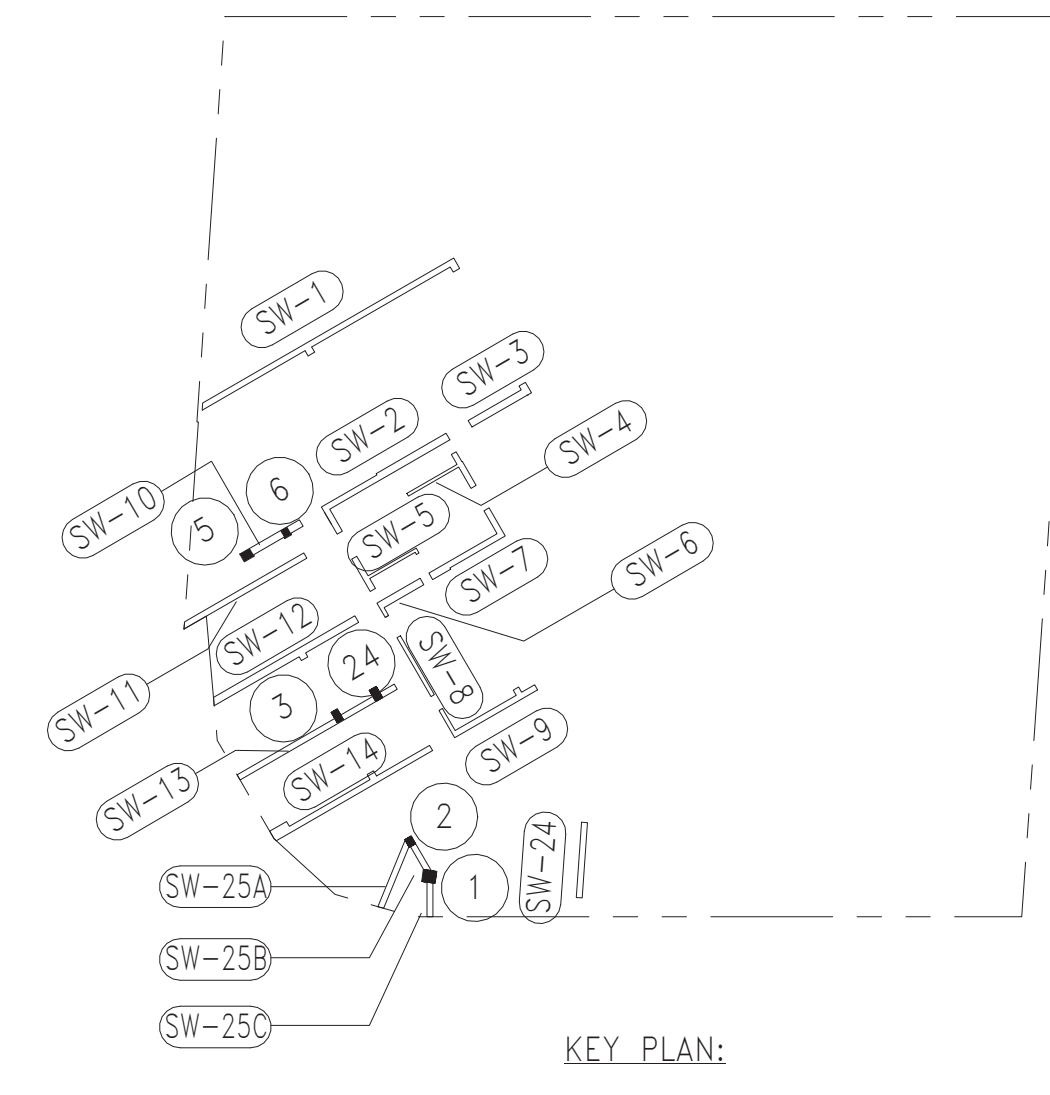
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PROJECT No: 1302510
DRAWN: CAD REV: CL
CHK: CL
SCALE:
DWG No: **FO-100.00**
DOB PAGE No: of

DOB EMPLOYEE STAMP:
DOB B-SCAN:

APPROVED
Under Directive 2 of 2015
NY State Professional Engineer
Date: 02/08/2015
NYC Development Hub



LEGEND:
 INDICATES 1500 TON CAISSON
 INDICATES 200 TON PILE



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EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
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| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | 50% DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 7 | DESIGN DEVELOPMENT | 10-07-14 |
| 8 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 9 | ISSUED FOR COORDINATION | 02-05-15 |
| 10 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 11 | ISSUED FOR FILING | 02-13-15 |
| 12 | CONCRETE BID PACKAGE | 03-06-15 |
| 13 | ADDENDUM #1 | 03-20-15 |
| 14 | ADDENDUM #2 | 03-23-15 |
| 15 | ADDENDUM #7 | 06-17-15 |
| 16 | ADDENDUM #10 | 07-20-15 |
| 17 | ISSUED FOR FILING | 07-28-15 |

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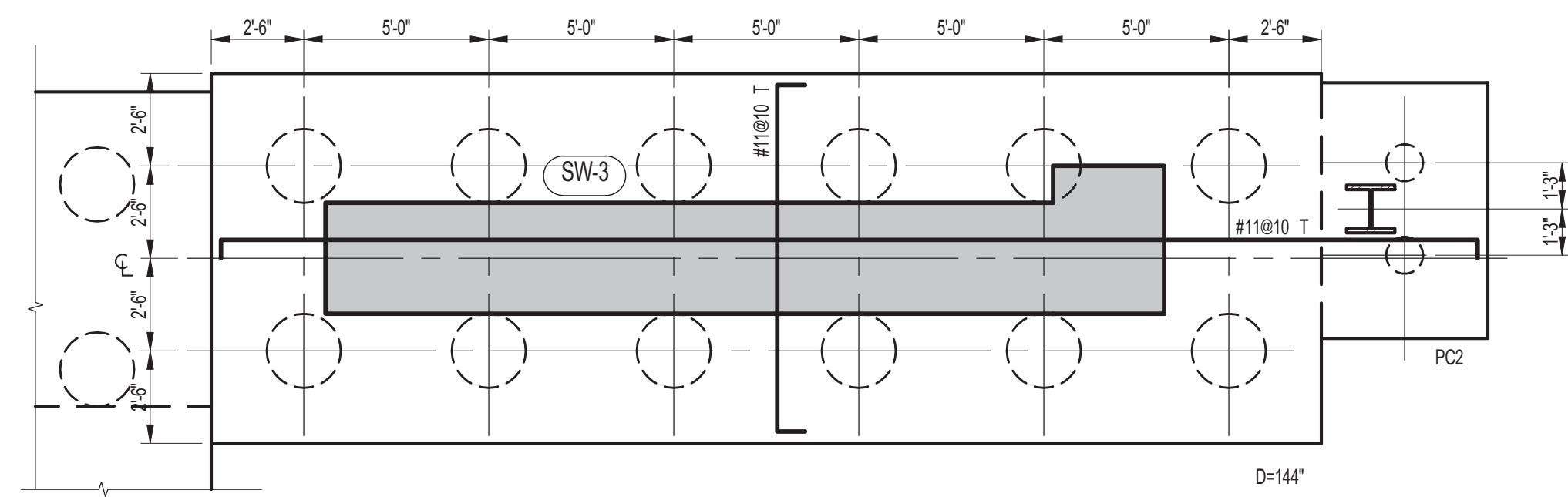


PROJECT:
250 SOUTH STREET
NEW YORK, NY

DRAWING TITLE:
MAT FOUNDATION PLAN 1

SEAL & SIGNATURE:
DATE: 07/25/14
PROJECT No: 1302510
DRAWN: CAD **REV:**
CHK: CL
SCALE: As indicated
DWG No: **FO-101.00**
DOB PAGE No: of

DOB EMPLOYEE STAMP:
DOB B-SCAN:

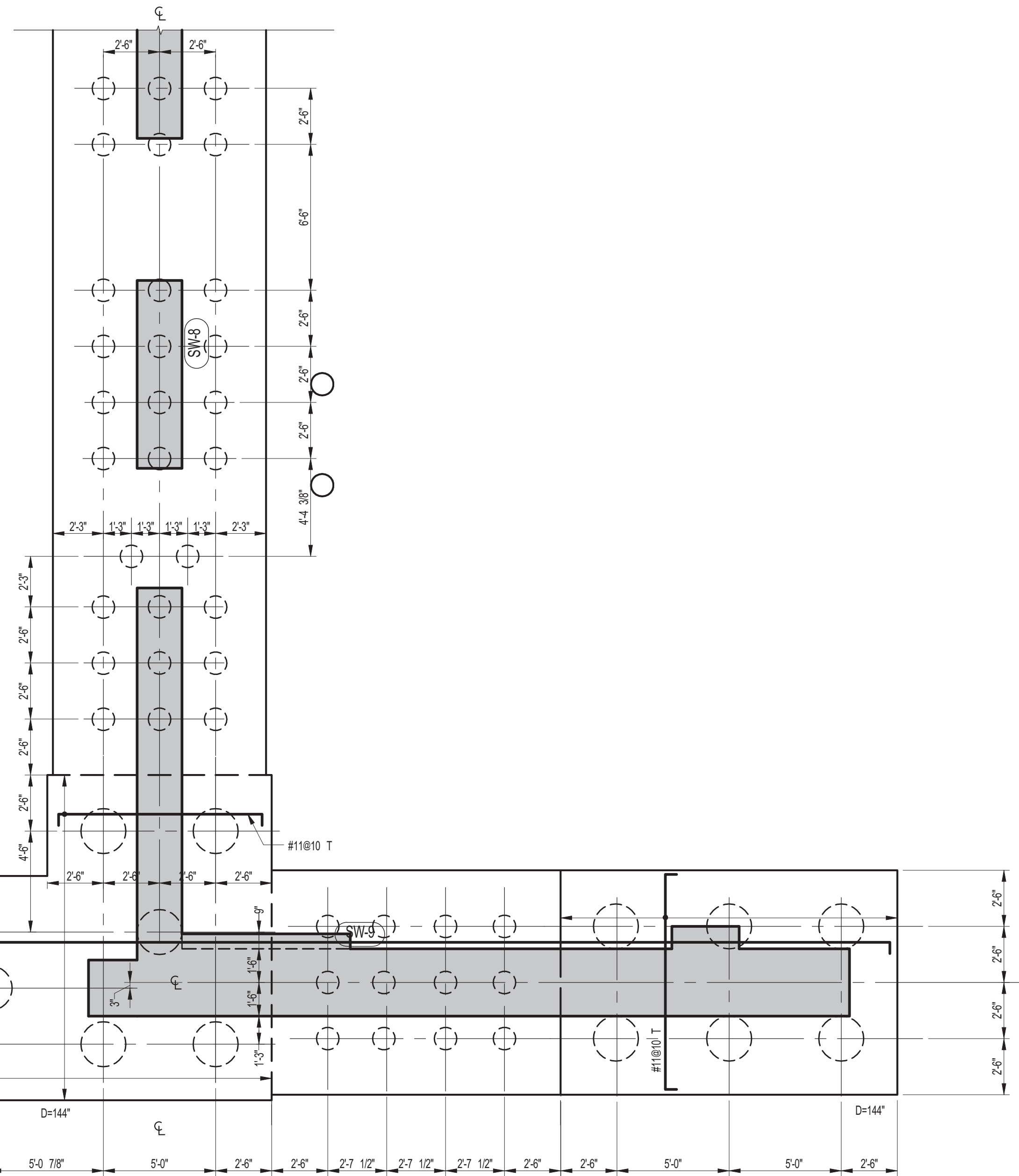


1 MAT FOUNDATION @ SW-3

FO-102 SCALE: 1/4" = 1'-0"

NOTES:

- D=78
- TOP MAT REINF. TO BE #1186 E.W.
- BOTTOM MAT REINF. TO BE #1186 E.W. (2 LAYERS)
- FOR BALANCE OF INFORMATION SEE DWG. FO-100



2 MAT FOUNDATION @ SW-8, SW-9 AND SW-14

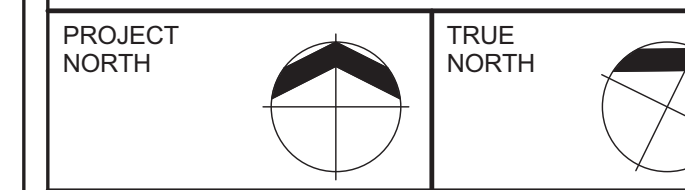
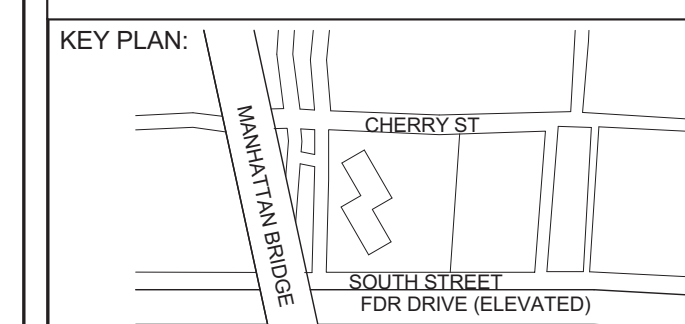
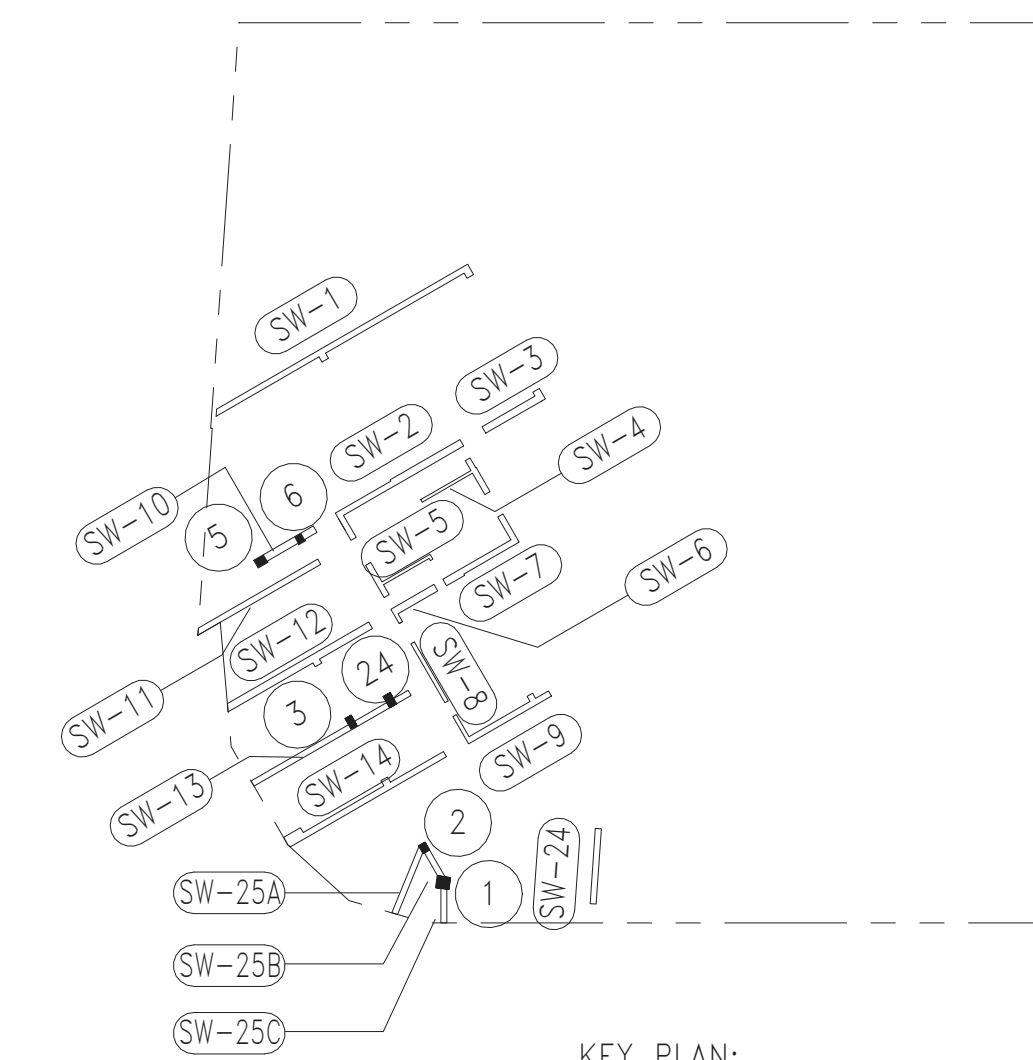
FO-102 SCALE: 1/4" = 1'-0"

NOTES:

- D=78 U.O.N.
- TOP & BOTTOM MAT REINF. TO BE #1186 E.W. TYPICAL
- #1186 E.W. (2 LAYERS) @ 10" PILE CAP
- FOR BALANCE OF INFORMATION SEE DWG. FO-100

LEGEND:

- INDICATES 1500 TON CAISSON
- INDICATES 200 TON PILE



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
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| No. | DESCRIPTION: | DATE: |
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| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | 50% DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 7 | DESIGN DEVELOPMENT | 10-07-14 |
| 8 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 9 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 10 | ISSUED FOR FILING | 02-13-15 |
| 11 | ADDENDUM #6 | 06-03-15 |
| 12 | ADDENDUM #10 | 07-20-15 |
| 13 | ISSUED FOR FILING | 07-28-15 |

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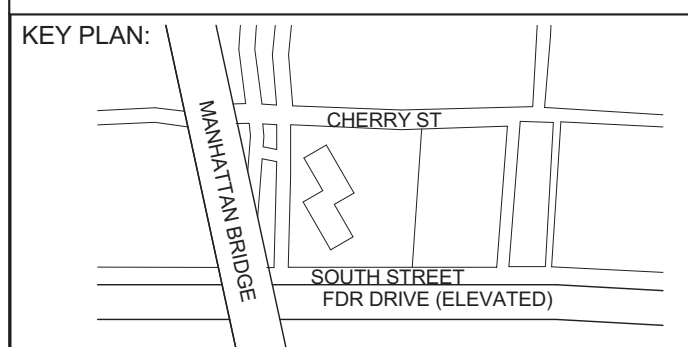
CONSULTANT:
WSP

PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
MAT FOUNDATION PLAN 2

SEAL & SIGNATURE: [Signature] DATE: 07/25/14
PROJECT No: 1302610
DRAWN: CAD REV:
CHK: CL
SCALE: As indicated
DWG No: **FO-102.00**
DOB PAGE No: of

DOB EMPLOYEE STAMP: [Stamp] DOB B-SCAN:
Damian Titus
Buildings
APPROVED
Under Directive 2 of 2015
EXERCISE OF PROFESSION
Date: 10/08/2015
NYC Development Hub



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
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INTERIOR DESIGNER:
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21 Penn Plaza - 360 West 31st Street, 8th Floor
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| No. | DESCRIPTION: | DATE: |
|-----|---------------------------|----------|
| 1 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 2 | 50% DD | 08-01-14 |
| 3 | DESIGN DEVELOPMENT | 10-07-14 |
| 4 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 5 | ISSUED FOR FILING | 07-28-15 |

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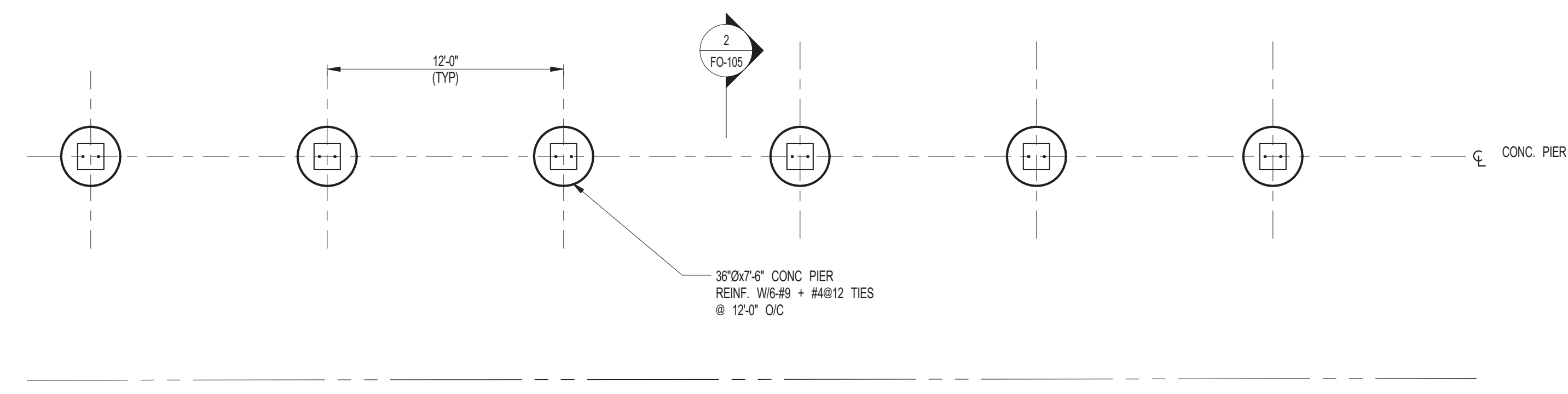
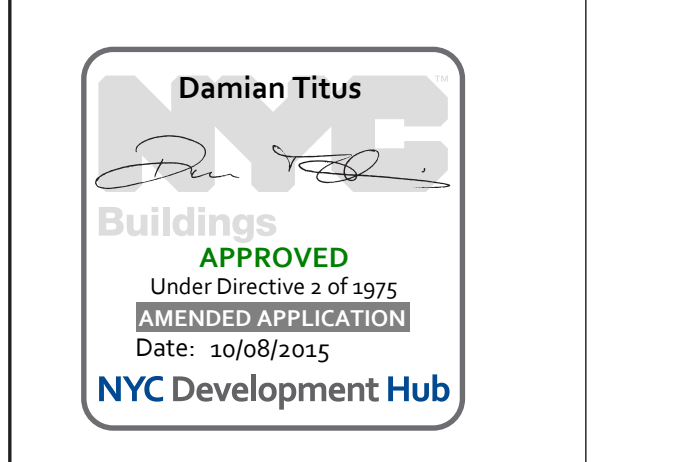
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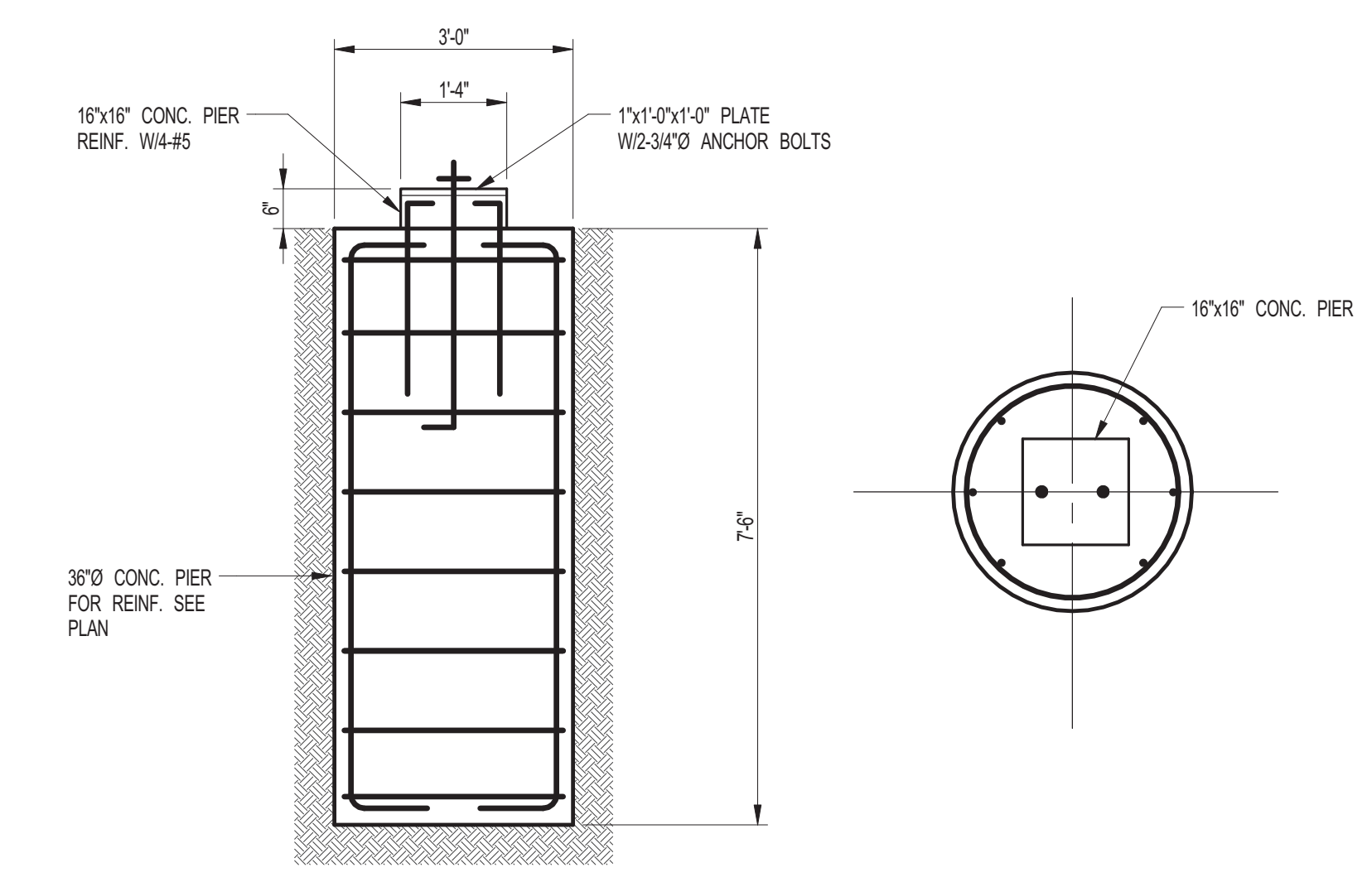
PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
FENCE FOUNDATION PLAN AND DETAILS

| | |
|--------------------------|---------------------|
| SEAL & SIGNATURE: | DATE: 07/25/14 |
| | PROJECT No: 1302510 |
| | DRAWN: CAD REV: |
| | CHK: CL |
| | SCALE: As indicated |
| DWG No: FO-105.00 | |
| DOB PAGE No: of | |



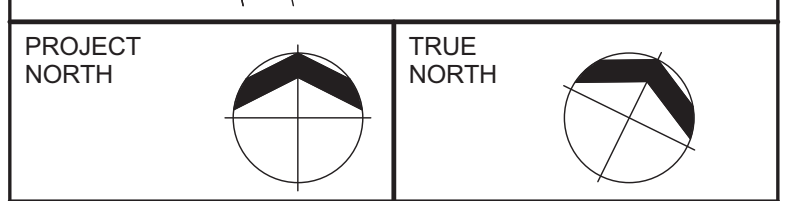
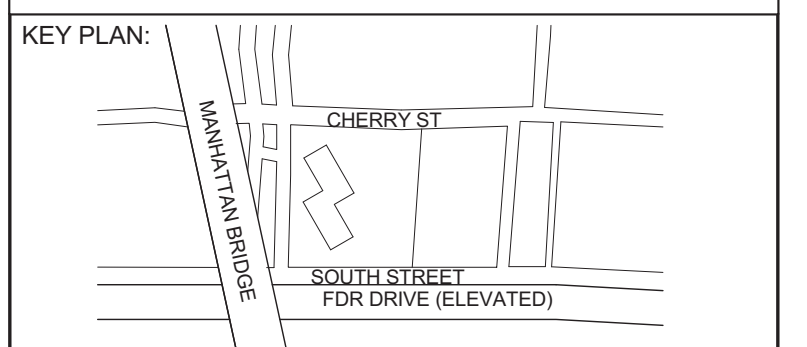
1 PARTIAL FOUNDATION PLAN FOR FENCE
SCALE: 3/16" = 1'-0"
NOTE:
1. SEE ARCH DRAWINGS FOR LOCATIONS OF FENCE.
INSTALLATION OF FENCE CAN NOT OCCUR BEFORE CONCRETE PIER SETTLES (APPROXIMATELY 6 MONTHS)



2 SECTION
SCALE: 1/2" = 1'-0"

30" x 42" PANEL SHEET SIZE

DEPT OF BUILDINGS 1955201 10/11/16



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
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TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
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21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
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| 2 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 3 | ISSUED FOR COORDINATION | 01-30-15 |
| 4 | ISSUED FOR COORDINATION | 02-02-15 |
| 5 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 6 | ISSUED FOR FILING | 02-13-15 |
| 7 | REVISED FND. PACKAGE | 02-27-15 |
| 8 | CONCRETE BID PACKAGE | 03-06-15 |
| 9 | ADDENDUM #5 | 05-01-15 |
| 10 | ADDENDUM #6 | 06-03-15 |
| 11 | ADDENDUM #9 | 07-10-15 |
| 12 | ADDENDUM #10 | 07-20-15 |
| 13 | ISSUED FOR FILING | 07-28-15 |

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CONSULTANT:
WSP

PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
FOUNDATION PLAN - PART 1

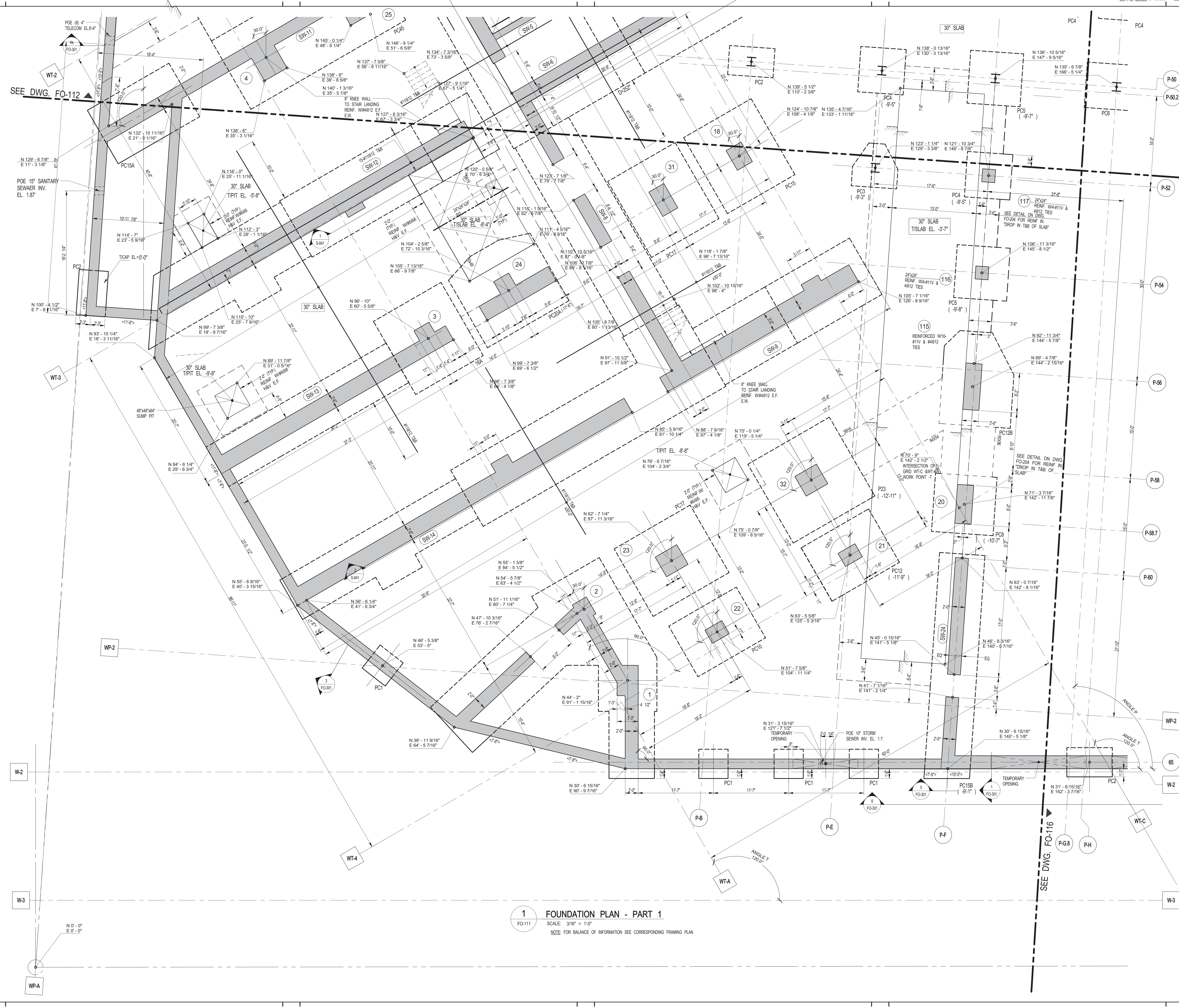
SEAL & SIGNATURE:

DATE: 10/03/14
PROJECT No: 1302610
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DWG No: **FO-111.00**
DOB PAGE No: of

DOB EMPLOYEE STAMP:

DOB B-SCAN: _____

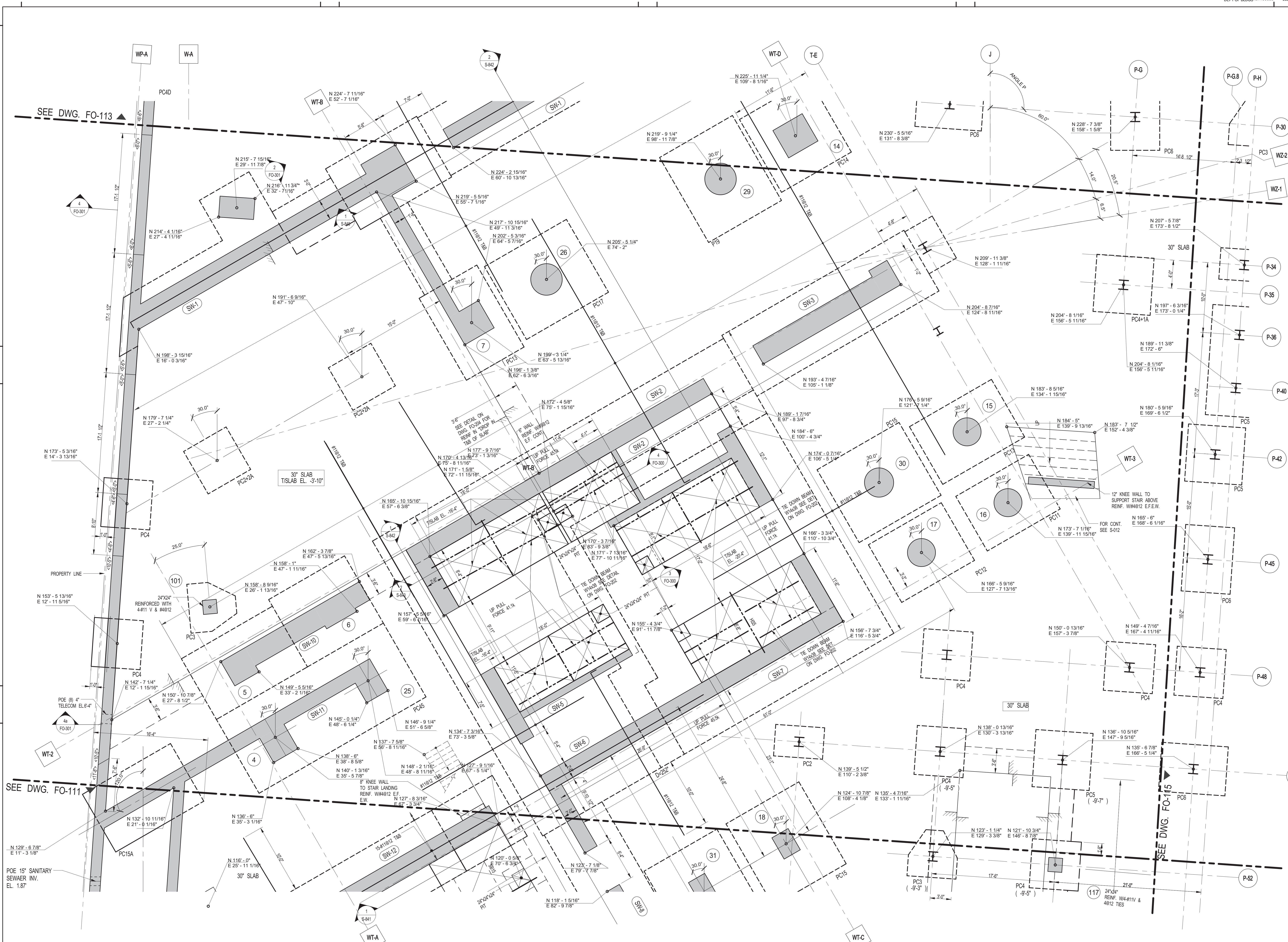
Damian Titus
Buildings
APPROVED
Under Directive 2 of 2015
EXERCISE OF JURISDICTION
Date: 10/08/2015
NYC Development Hub



1 FOUNDATION PLAN - PART 1
SCALE: 3/16" = 1'-0"
NOTE: FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN

FILE NAME:
PLOT DATE:

30" x 42" ARCH. EIT SHEET SIZE



1 FOUNDATION PLAN - PART 2
 FO-112 SCALE: 3/16" = 1'-0"
 NOTE: FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN

KEY PLAN: CHERRY ST, SOUTH STREET (FOR DRIVE ELEVATED), VAN ANSTADT AVENUE

PROJECT: NORTH TRUE NORTH

DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
 805 Third Ave, 7th Floor
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MEP ENGINEERS: **ICOR ASSOCIATES, LLC**
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 New York, NY 10001
 TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | DESIGN DEVELOPMENT | 10-07-14 |
| 2 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 3 | ISSUED FOR COORDINATION | 02-05-15 |
| 4 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 5 | ISSUED FOR FILING | 02-13-15 |
| 6 | REVISED FND. PACKAGE | 02-27-15 |
| 7 | CONCRETE BID PACKAGE | 03-06-15 |
| 8 | ADDENDUM #1 | 03-20-15 |
| 9 | ADDENDUM #5 | 05-01-15 |
| 10 | ADDENDUM #6 | 06-03-15 |
| 11 | ADDENDUM #7 | 06-17-15 |
| 12 | ADDENDUM #9 | 07-10-15 |
| 13 | ADDENDUM #10 | 07-20-15 |
| 14 | ISSUED FOR FILING | 07-28-15 |

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ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT: **WSP**

PROJECT: **250 SOUTH STREET NEW YORK, NY**

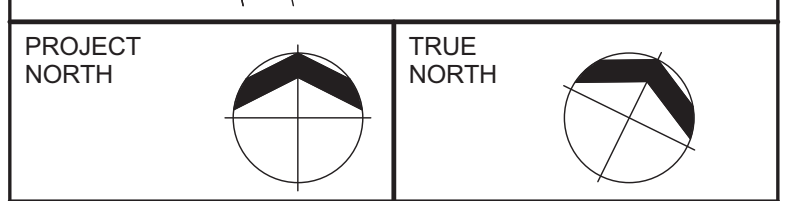
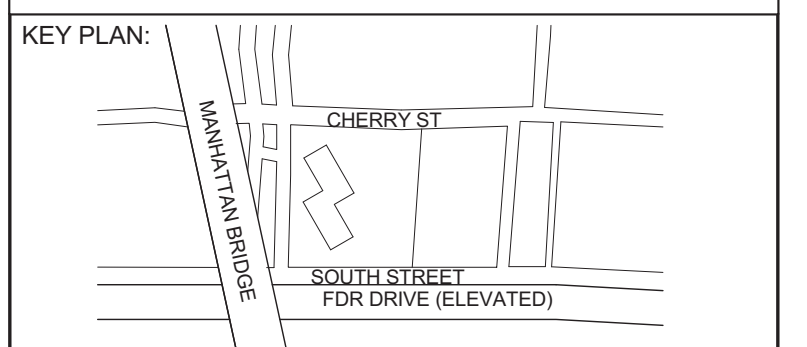
DRAWING TITLE: **FOUNDATION PLAN - PART 2**

| | |
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| SEAL & SIGNATURE: | DATE: 10/03/14 |
| | PROJECT No: 1302510 |
| | DRAWN: CAD REV: |
| | CHK: CL |
| | SCALE: DWG No: FO-112.00 |
| DOB PAGE No: of | DOB B-SCAN: |

Damian Titus
 Buildings
 APPROVED Under Directive 2 of 2015
 EXERCISE OF PROFESSIONAL JUDGMENT
 Date: 10/08/2015
 NYC Development Hub

30" x 42" PLOT SIZE

KEY PLAN



PROJECT: 250 SOUTH STREET, NEW YORK, NY

DEVELOPER: EXTELL DEVELOPMENT COMPANY

ARCHITECT OF RECORD: AAI ARCHITECTS, P.C.

INTERIOR DESIGNER: MEYER DAVIS

LANDSCAPE DESIGNER: WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.

STRUCTURAL ENGINEERS: WSP

MEP ENGINEERS: ICOR ASSOCIATES, LLC

GEOTECHNICAL ENGINEERS: LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

Table with 3 columns: No., DESCRIPTION, DATE. Lists project milestones from design development to issued for filing.

Discrepancies must be reported immediately to the Architect before proceeding.

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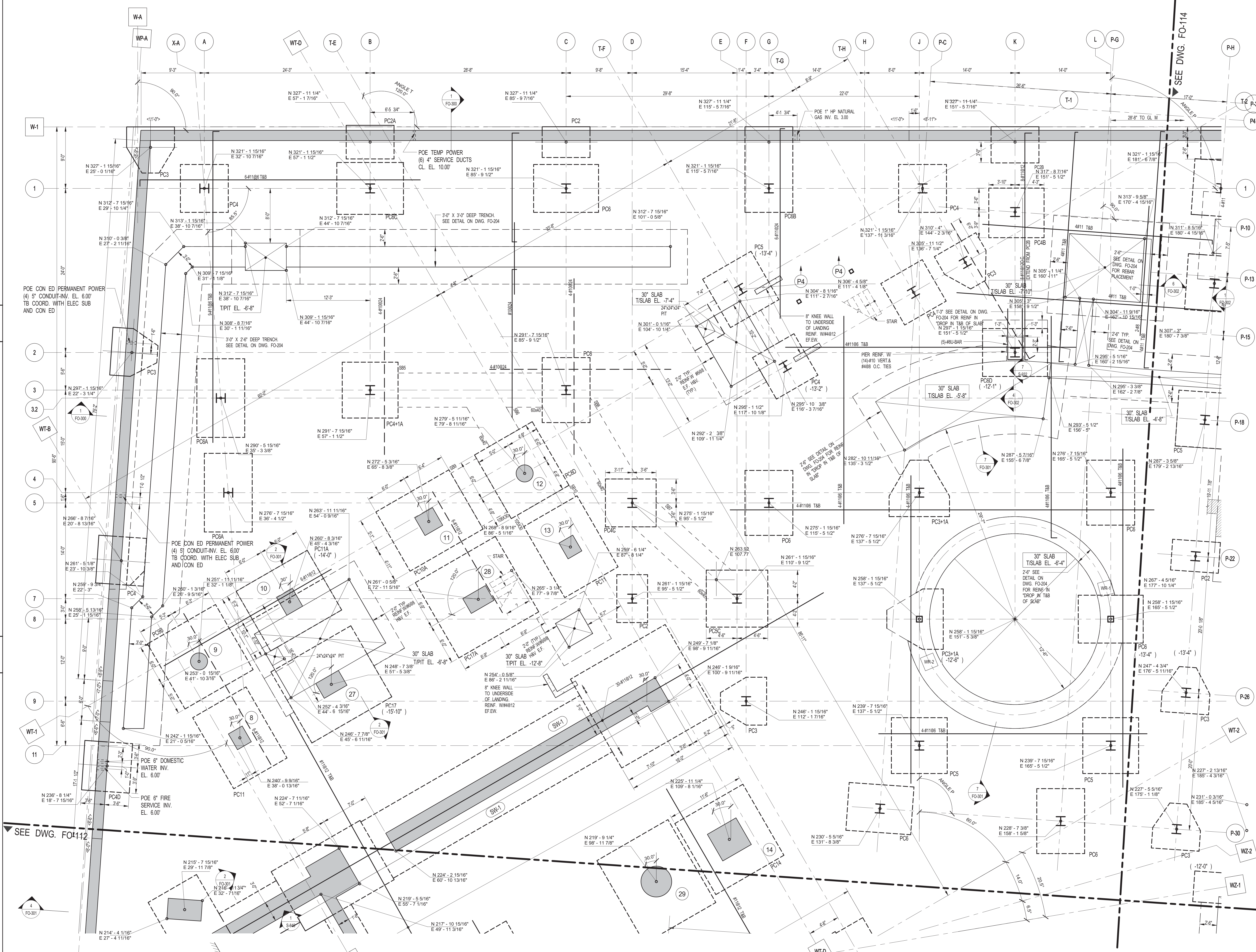
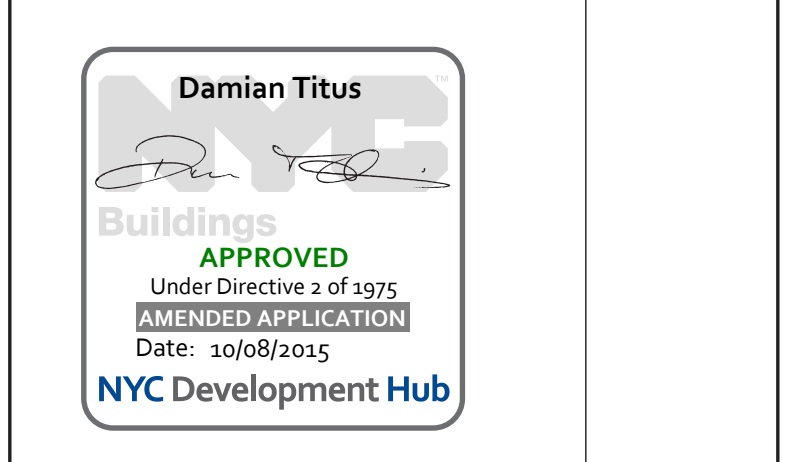
CONSULTANT: WSP

PROJECT: 250 SOUTH STREET, NEW YORK, NY

DRAWING TITLE: FOUNDATION PLAN - PART 3

SEAL & SIGNATURE: Damian Titus

DATE: 10/03/14, PROJECT No: 1302510, DRAWN: CAD, REV: CHK: CL, SCALE: DWG No: FO-113.00, DOB PAGE No: of, DOB EMPLOYEE STAMP: DOB B-SCAN:

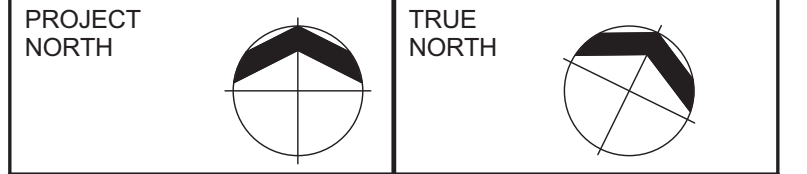
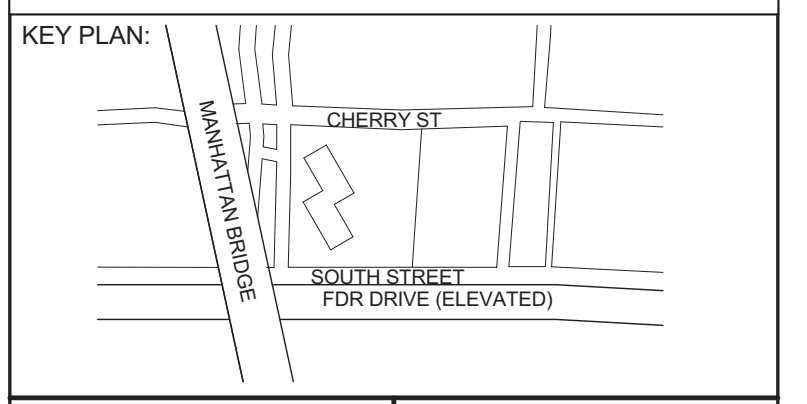


1 FOUNDATION PLAN - PART 3, SCALE: 3/16" = 1'-0", NOTE: FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN

FILE NAME: PLOT DATE:

30" x 42" PANEL SHEET SIZE
 FILE NAME: PLOT DATE:

DEPT OF BLDGS & FIRE
 10/03/14
 10/08/2015



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
 805 Third Ave, 7th Floor
 New York, NY 10022
 TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
 14 Wall Street, 2nd Floor
 New York, NY 10005
 TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER:
MEYER DAVIS
 180 Varick St, suite 404
 New York, NY 10014
 TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
 333 Hudson Street, Suite 905
 New York, NY 10013
 TEL: 212-285-0888 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
WSP
 228 East 45th Street
 New York, NY 10017
 TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS:
ICOR ASSOCIATES, LLC
 485 C Route 1 South, Suite 209
 Iselin, NJ 08830
 TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
 21 Penn Plaza - 360 West 31st Street, 8th Floor
 New York, NY 10001
 TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|---------------------------|----------|
| 1 | DESIGN DEVELOPMENT | 10-07-14 |
| 2 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 3 | ISSUED FOR FILING | 02-13-15 |
| 4 | REVISED FND. PACKAGE | 02-27-15 |
| 5 | CONCRETE BID PACKAGE | 03-06-15 |
| 6 | ADDENDUM #5 | 05-01-15 |
| 7 | ADDENDUM #6 | 06-03-15 |
| 8 | ADDENDUM #7 | 06-17-15 |
| 9 | ADDENDUM #9 | 07-10-15 |
| 10 | ADDENDUM #10 | 07-20-15 |
| 11 | ISSUED FOR FILING | 07-28-15 |

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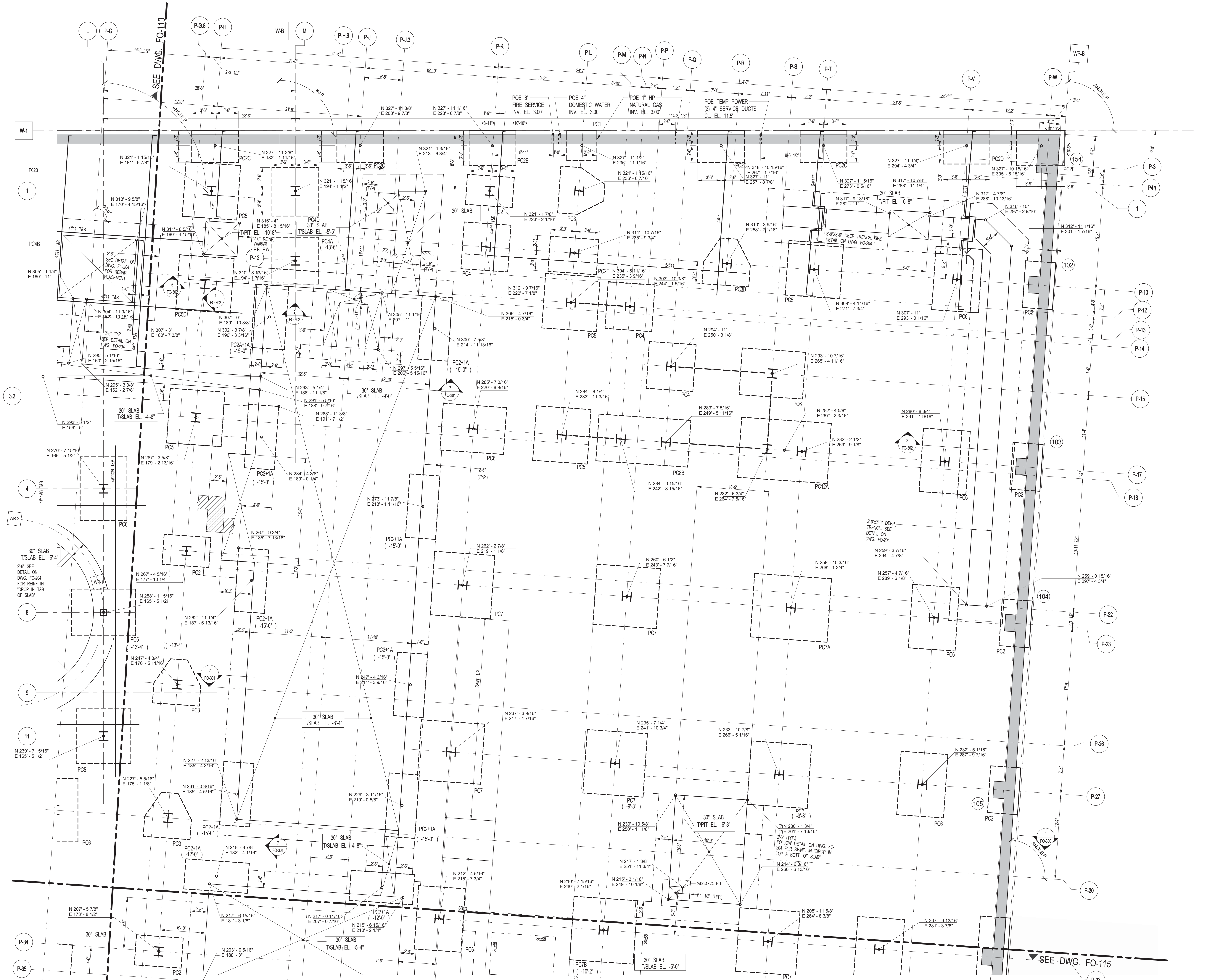
CONSULTANT:

PROJECT:
**250 SOUTH STREET
 NEW YORK, NY**

DRAWING TITLE:
FOUNDATION PLAN - PART 4

SEAL & SIGNATURE: DATE: 10/03/14
 PROJECT No: 1302510
 DRAWN: CAD REV: CL
 CHK: CL
 SCALE: 3/16" = 1'-0"
 DWG No: **FO-114.00**
 DOB PAGE No: of
 DOB EMPLOYEE STAMP: DOB B-SCAN:

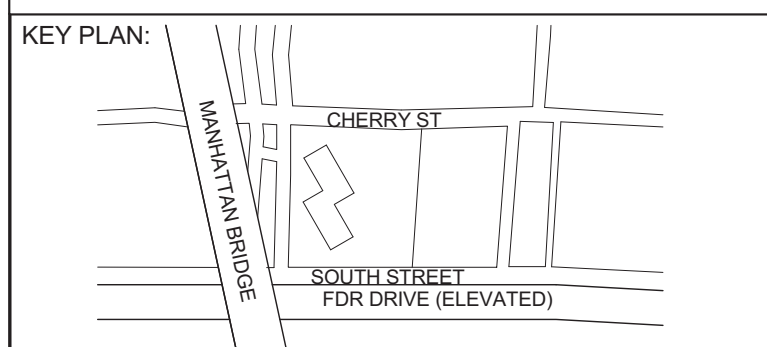
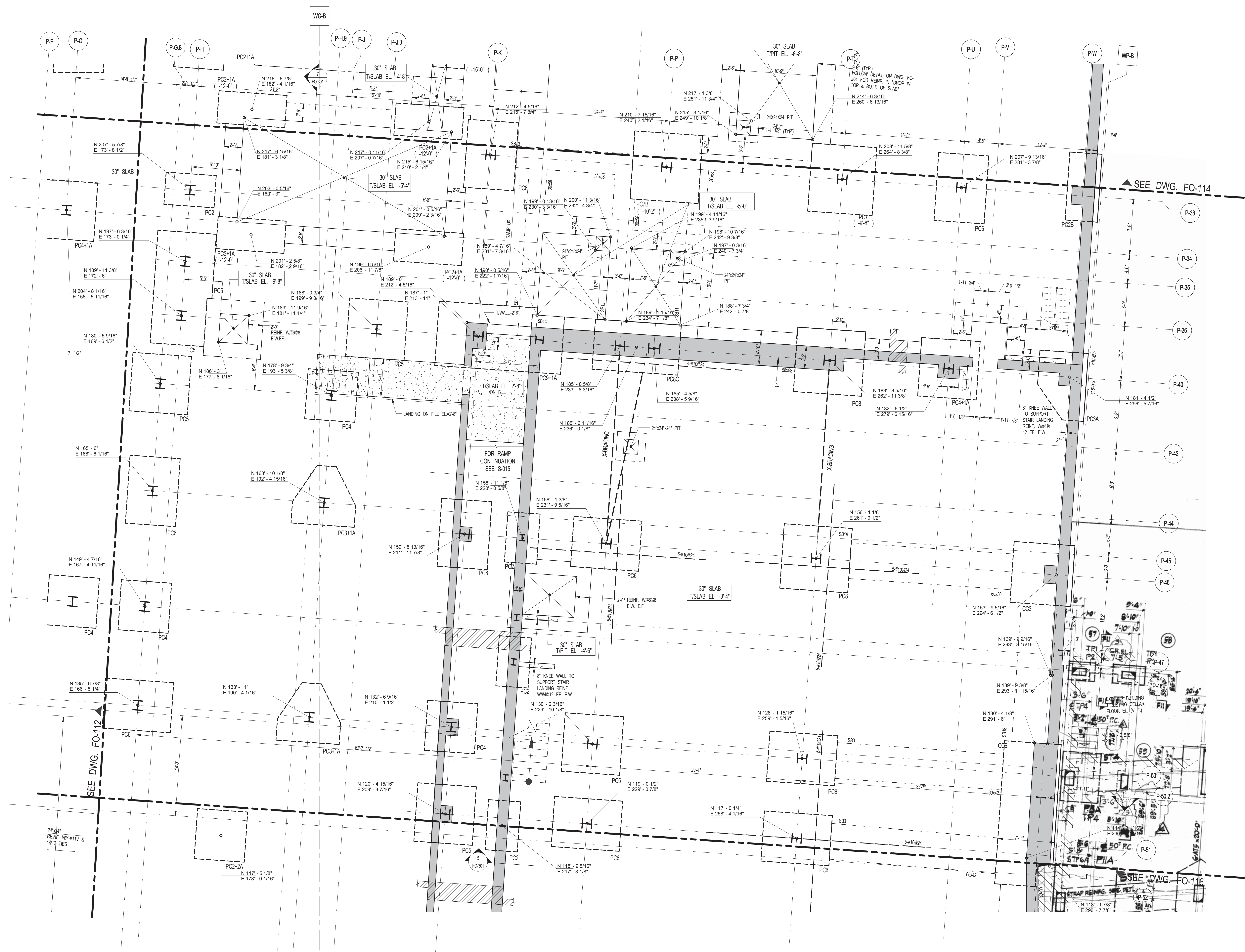
APPROVED Under Directive 2 of 2015
 Date: 10/08/2015
 NYC Development Hub



1 FOUNDATION PLAN - PART 4
 FO-114 SCALE: 3/16" = 1'-0"
 NOTE: FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN

30" x 42" ARCH. E.T. SHEET SIZE

DEPT. OF BLDGS. & FIRE
100 NASSAU ST. 10001
NEW YORK, NY 10002
EX-115-00000



PROJECT NORTH
TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER:
MEYER DAVIS
180 Varick St, suite 404
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LANDSCAPE DESIGNER:
WEST 9 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
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New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
WSP
228 East 45th Street
New York, NY 10017
TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS:
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485 C Route 1 South, Suite 209
Iselin, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|---------------------------|----------|
| 1 | DESIGN DEVELOPMENT | 10-07-14 |
| 2 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 3 | ISSUED FOR FILING | 02-13-15 |
| 4 | REVISED FND. PACKAGE | 02-27-15 |
| 5 | CONCRETE BID PACKAGE | 03-06-15 |
| 6 | ADDENDUM #1 | 03-20-15 |
| 7 | ADDENDUM #6 | 06-03-15 |
| 8 | ADDENDUM #7 | 06-17-15 |
| 9 | ADDENDUM #9 | 07-10-15 |
| 10 | ISSUED FOR FILING | 07-28-15 |

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CONSULTANT:
WSP

PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
FOUNDATION PLAN - PART 5

SEAL & SIGNATURE: [Signature] DATE: 10/03/14
PROJECT No: 1302510
DRAWN: CAD REV:
CHK: CL
SCALE:
DWG No: **FO-115.00**
DOB PAGE No: of

DOB EMPLOYEE STAMP: [Stamp] DOB B-SCAN:
Damian Titus
Buildings
APPROVED
Under Directive 2 of 2015
EXERCISE OF PROFESSION
Date: 10/08/2015
NYC Development Hub

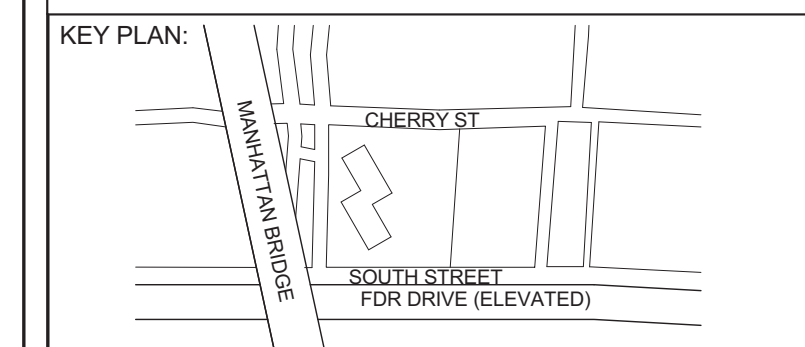
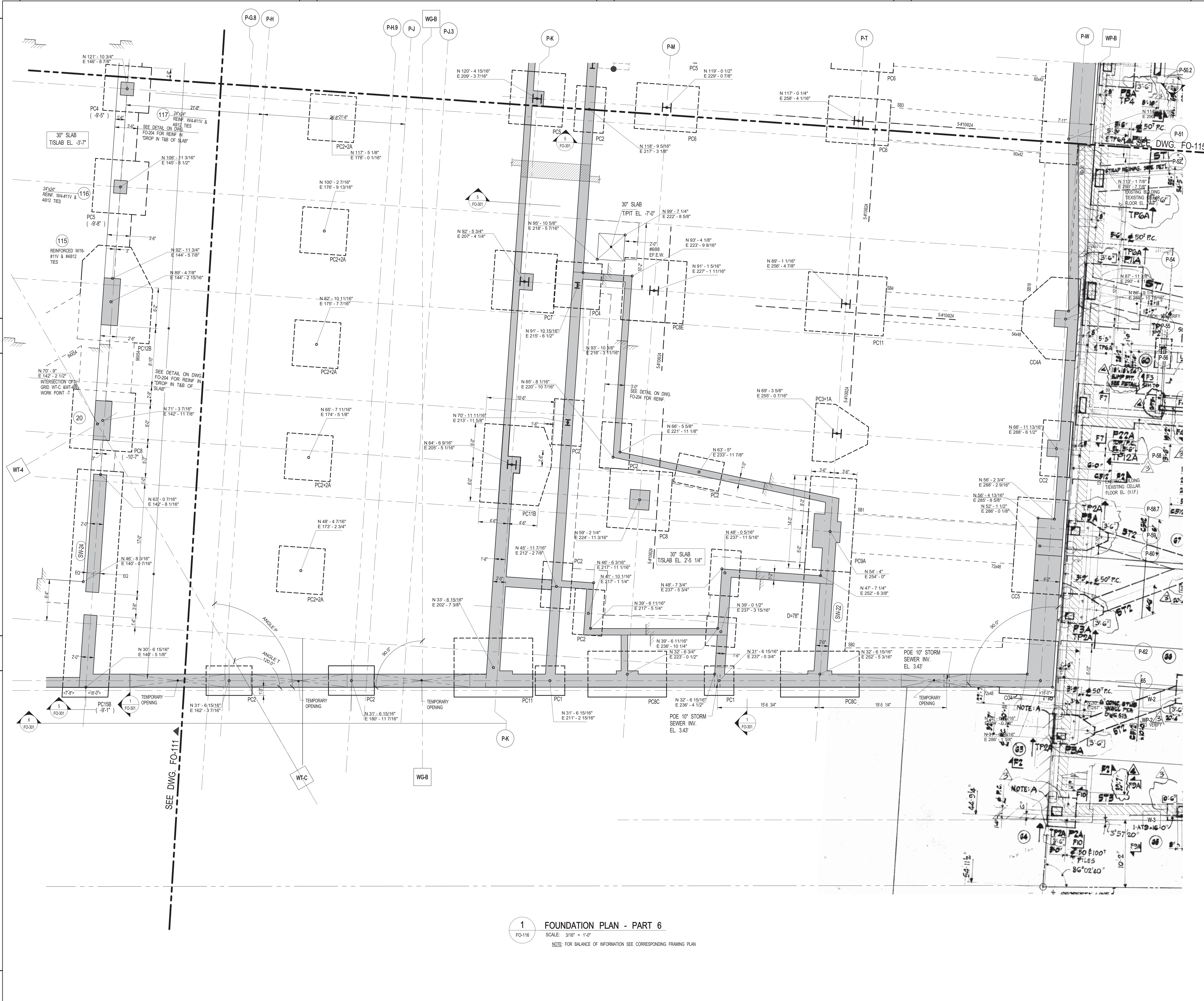
1 FOUNDATION PLAN - PART 5
FO-115 SCALE: 3/16" = 1'-0"
NOTE: FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN

FILE NAME:
PLOT DATE:

30" x 42" PANEL SHEET SIZE

DEPT OF BLDGS & FIRE

FO-116.00



PROJECT NORTH TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER:
MEYER DAVIS
180 Varick St, suite 404
New York, NY 10014
TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
WSP
228 East 45th Street
New York, NY 10017
TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS:
ICOR ASSOCIATES, LLC
485 C Route 1 South, Suite 209
Iselme, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 380 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|---------------------------|----------|
| 1 | DESIGN DEVELOPMENT | 10-07-14 |
| 2 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 3 | ISSUED FOR FILING | 02-13-15 |
| 4 | REVISED FND. PACKAGE | 02-27-15 |
| 5 | CONCRETE BID PACKAGE | 03-06-15 |
| 6 | ADDENDUM #1 | 03-20-15 |
| 7 | ADDENDUM #2 | 03-23-15 |
| 8 | ADDENDUM #6 | 06-03-15 |
| 9 | ADDENDUM #9 | 07-10-15 |
| 10 | ISSUED FOR FILING | 07-28-15 |

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CONSULTANT:
WSP

PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
FOUNDATION PLAN - PART 6

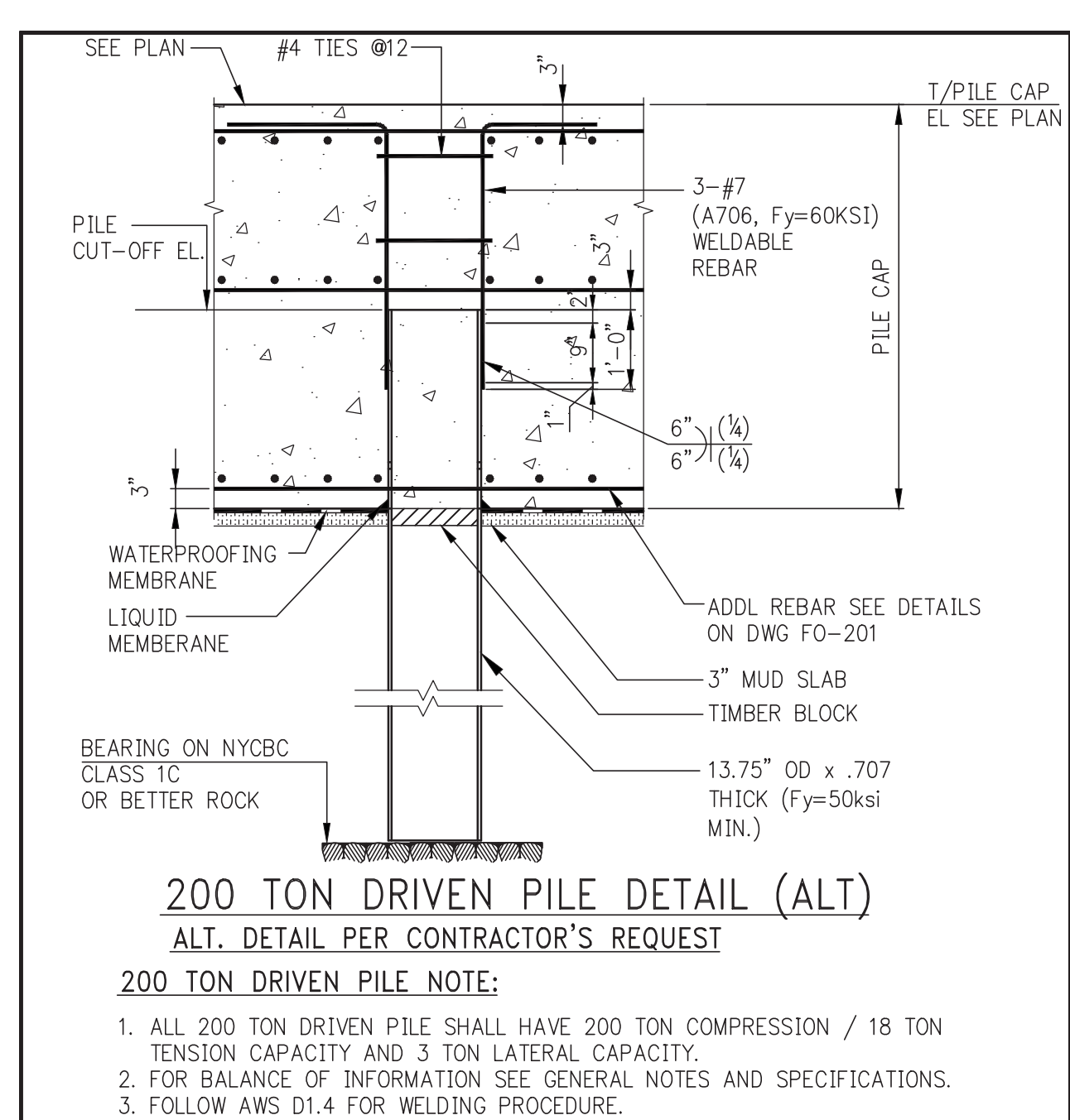
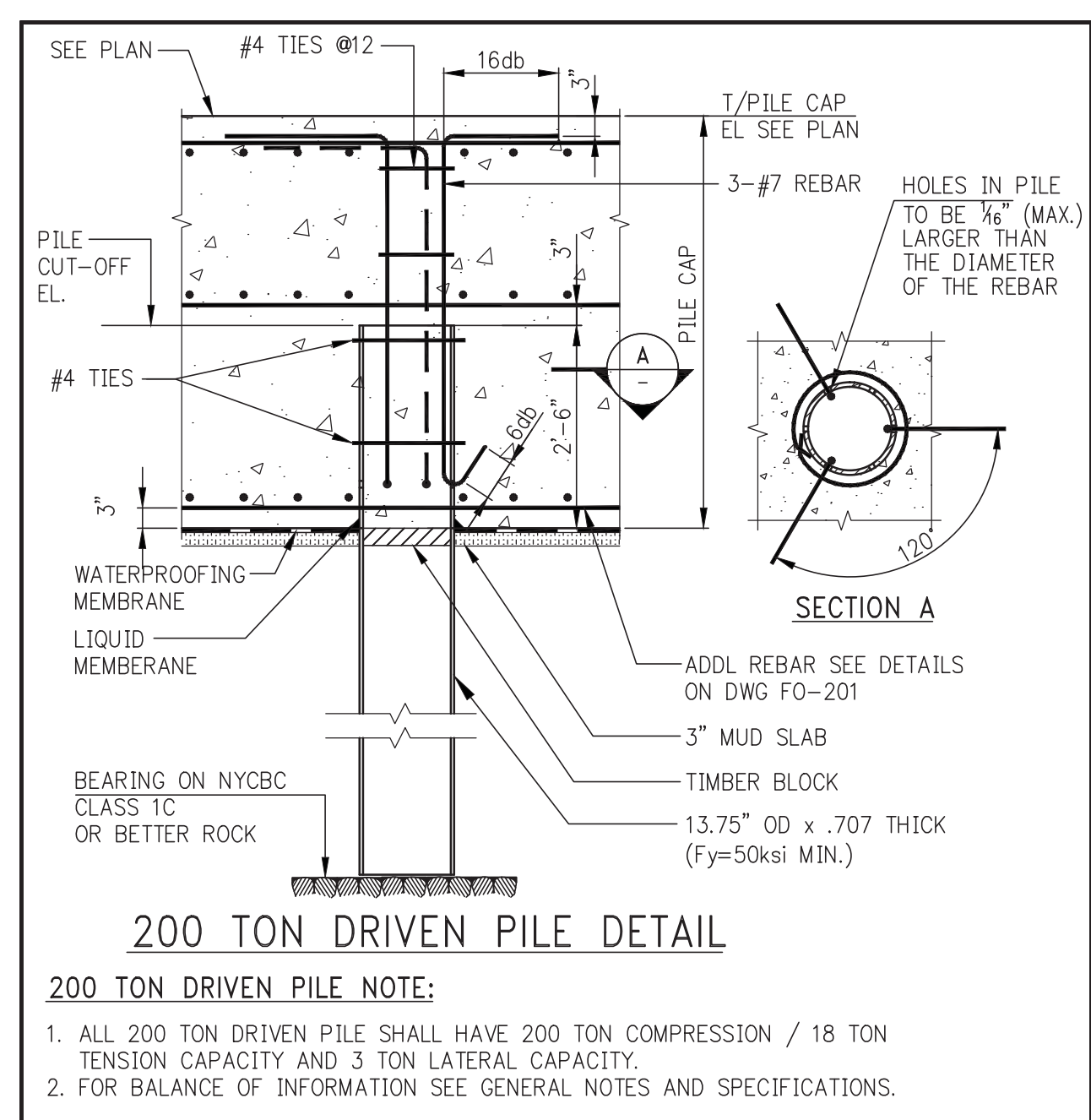
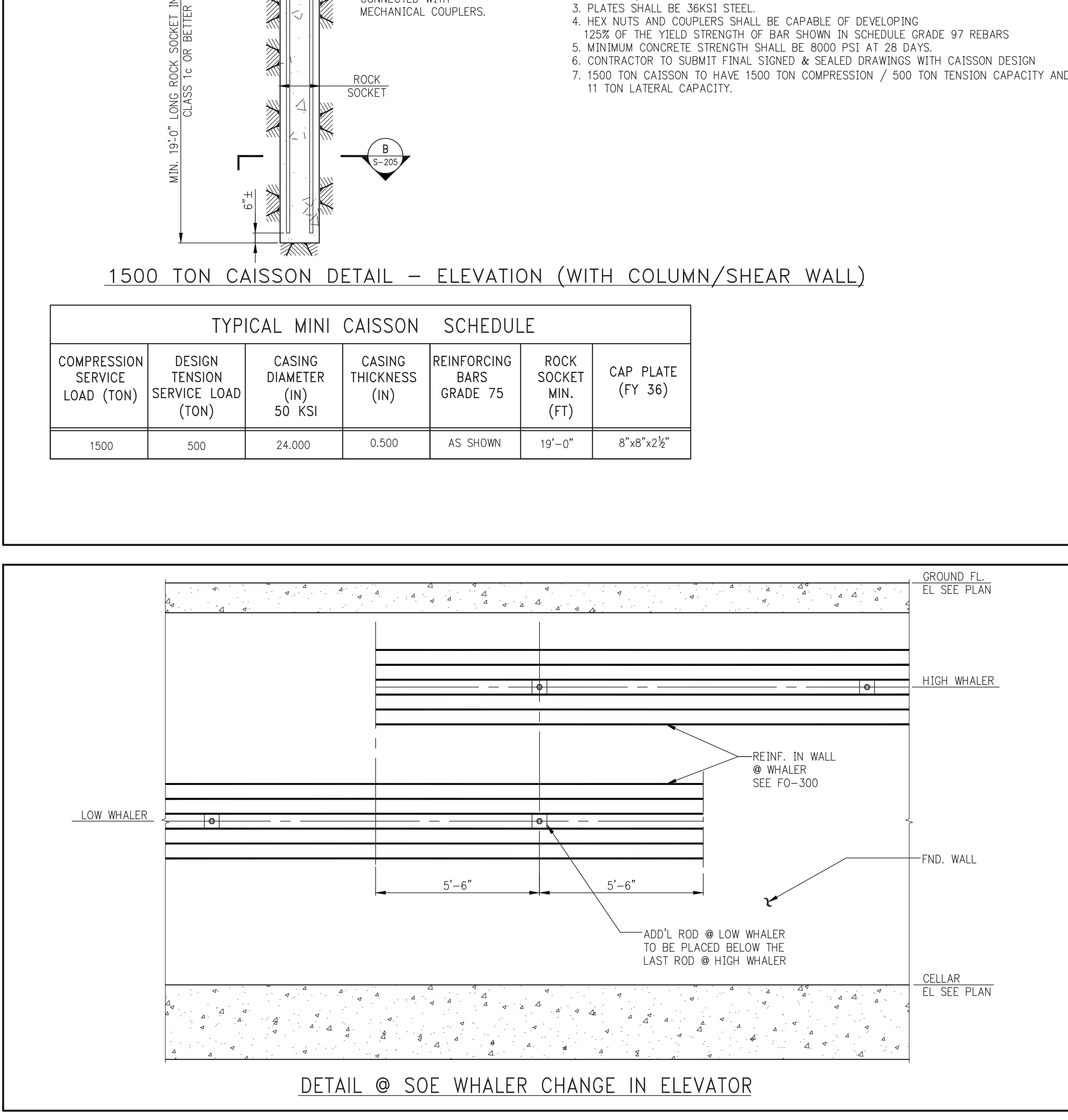
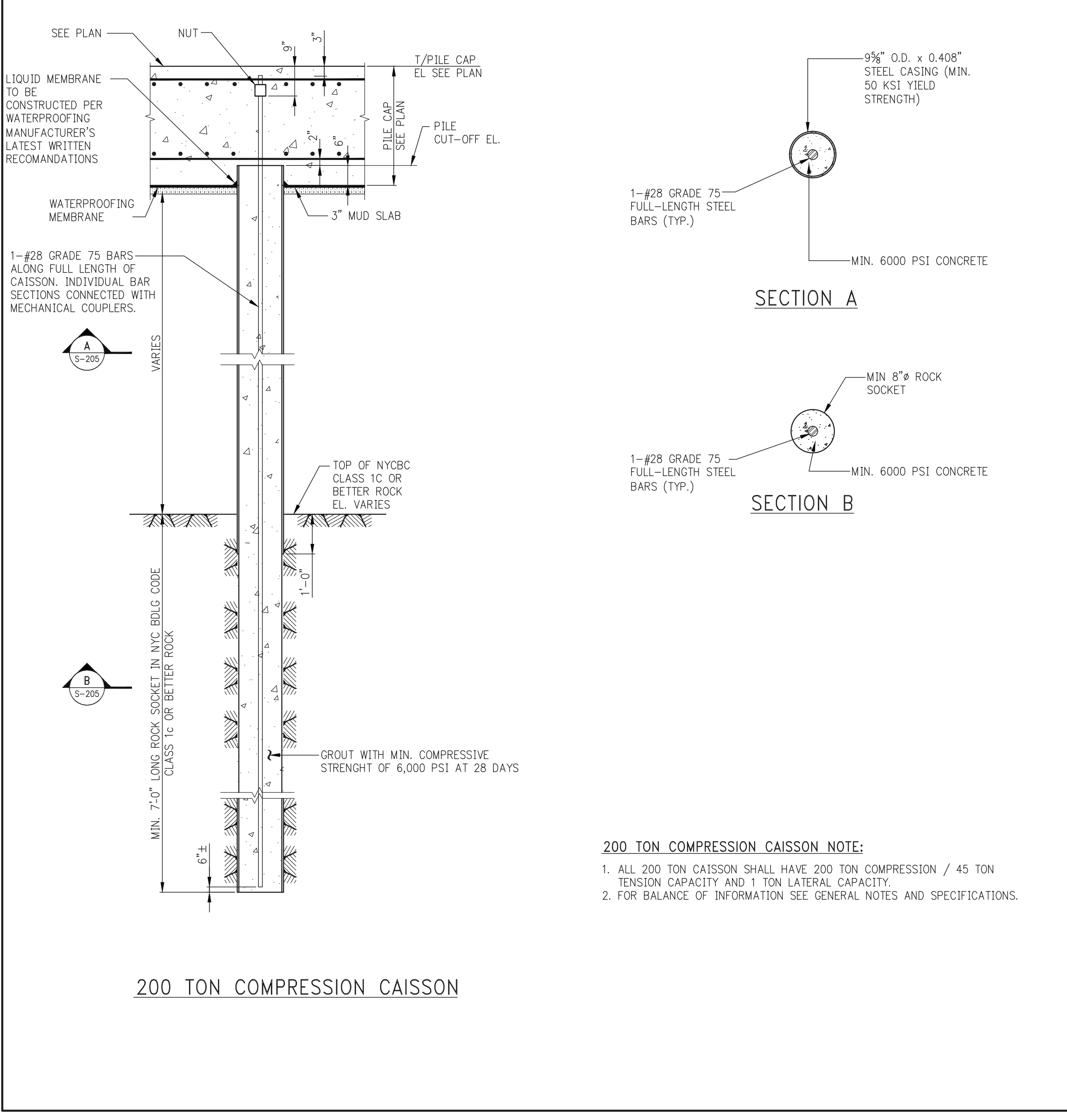
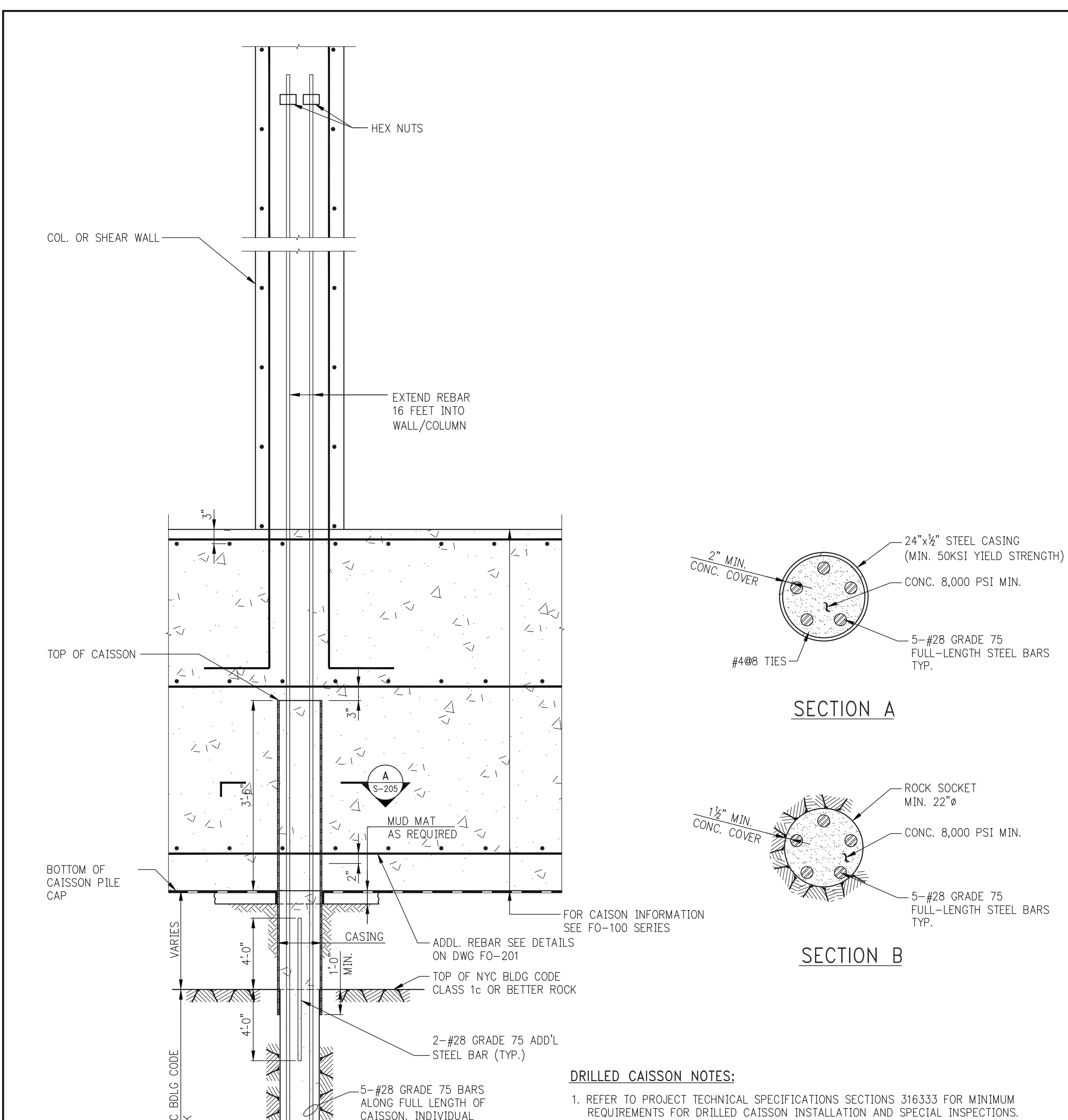
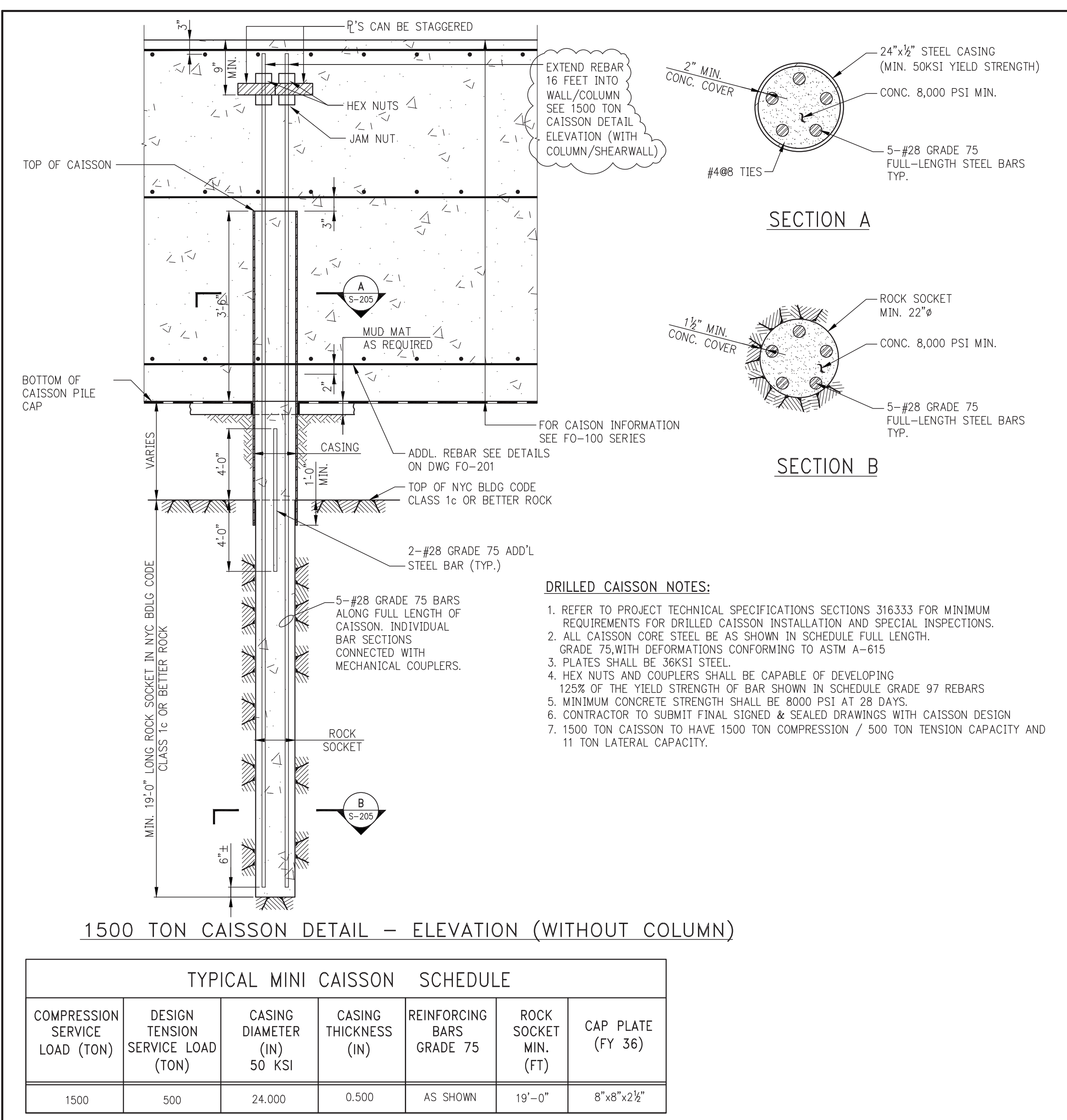
SEAL & SIGNATURE: [Signature] DATE: 10/03/14
PROJECT No: 1302510
DRAWN: CAD REV: []
CHK: CL
SCALE: []
DWG No: **FO-116.00**
DOB PAGE No: of

DOB EMPLOYEE STAMP: [Stamp] DOB B-SCAN: [Stamp]
Damian Titus
Buildings
APPROVED
Under Directive 2 of 2015
NYC DEVELOPMENT HUB
Date: 10/08/2015
NYC Development Hub

1 FOUNDATION PLAN - PART 6
FO-116 SCALE: 3/16" = 1'-0"

NOTE: FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN

FILE NAME:
PLOT DATE:



KEY PLAN:

PROJECT: **250 SOUTH STREET NEW YORK, NY**

DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
 805 Third Ave, 7th Floor
 New York, NY 10022
 TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD: **AAI ARCHITECTS, P.C.**
 14 Wall Street, 2nd Floor
 New York, NY 10005
 TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER: **MEYER DAVIS**
 180 Varick St, suite 404
 New York, NY 10014
 TEL: 212-627-5574

LANDSCAPE DESIGNER: **WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.**
 333 Hudson Street, Suite 905
 New York, NY 10013
 TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS: **WSP**
 228 East 45th Street
 New York, NY 10017
 TEL: 212-697-8888 FAX: 646-487-5501

MEP ENGINEERS: **ICOR ASSOCIATES, LLC**
 485 C Route 1 South, Suite 200
 Iselin, NJ 08830
 TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS: **LANGAN ENGINEERING & ENVIRONMENTAL SERVICES**
 21 Penn Plaza - 360 West 31st Street, 8th Floor
 New York, NY 10001
 TEL: 212.479.5400 FAX: 212.479.5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | SOB DO | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR COORDINATION | 08-15-14 |
| 7 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 8 | DESIGN DEVELOPMENT | 10-07-14 |
| 9 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 10 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 11 | ISSUED FOR FILING | 02-13-15 |
| 12 | CONCRETE BID PACKAGE | 03-06-15 |
| 13 | SOB CONSTRUCTION DOCUMENTS | 04-08-15 |
| 14 | ADDENDUM #6 | 06-03-15 |
| 15 | ISSUED FOR FILING | 07-28-15 |

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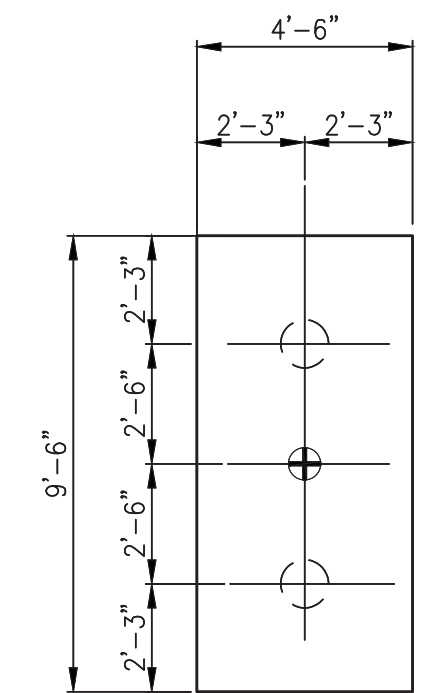
CONSULTANT: **WSP**

PROJECT: **250 SOUTH STREET NEW YORK, NY**

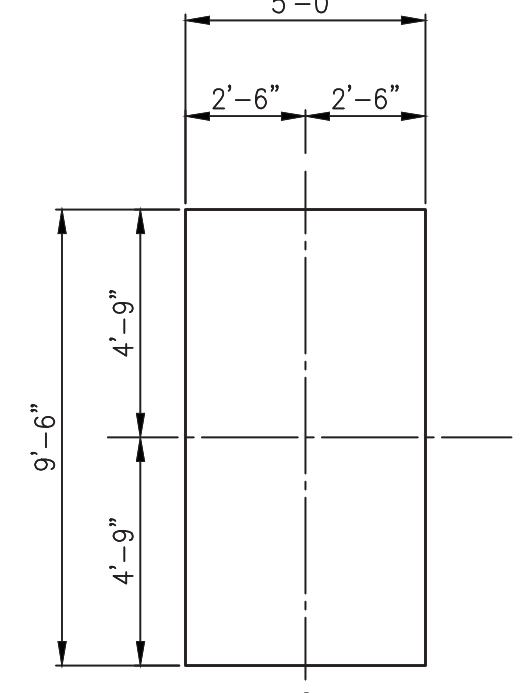
DRAWING TITLE: **TYPICAL FOUNDATION DETAILS 1**

SEAL & SIGNATURE: **Damian Titus**
 DATE: 07/25/14
 PROJECT No: 1302510
 DRAWN: CADD REV: CL
 CHK: CL
 SCALE: N.T.S.
 DWG No: **FO-200.00**
 DOB PAGE No: of
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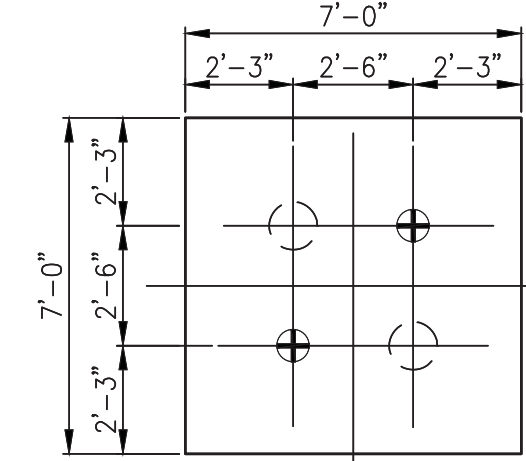
CAISSON AND PILE PENETRATION DETAILS TO BE CONSTRUCTED PER WATERPROOFING MANUFACTURER'S LATEST WRITTEN RECOMMENDATIONS.



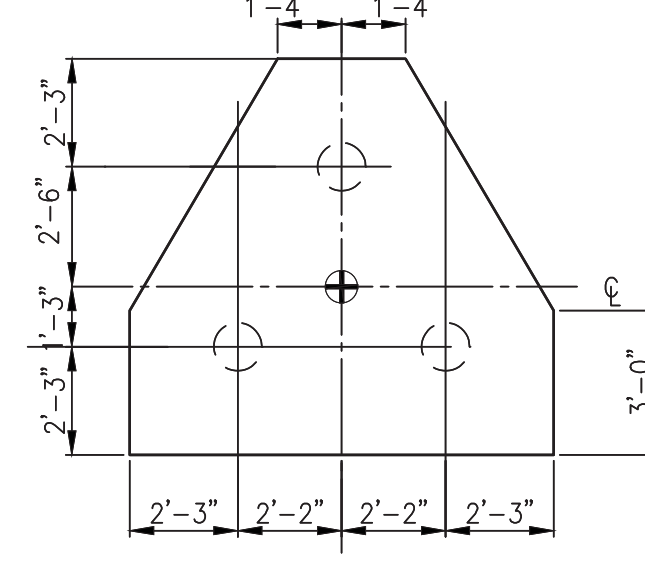
PC2+1A
DEPTH: 6'-8"
REINF: 13-#9 BOTT. S.W.
8-#9 BOTT. L.W.



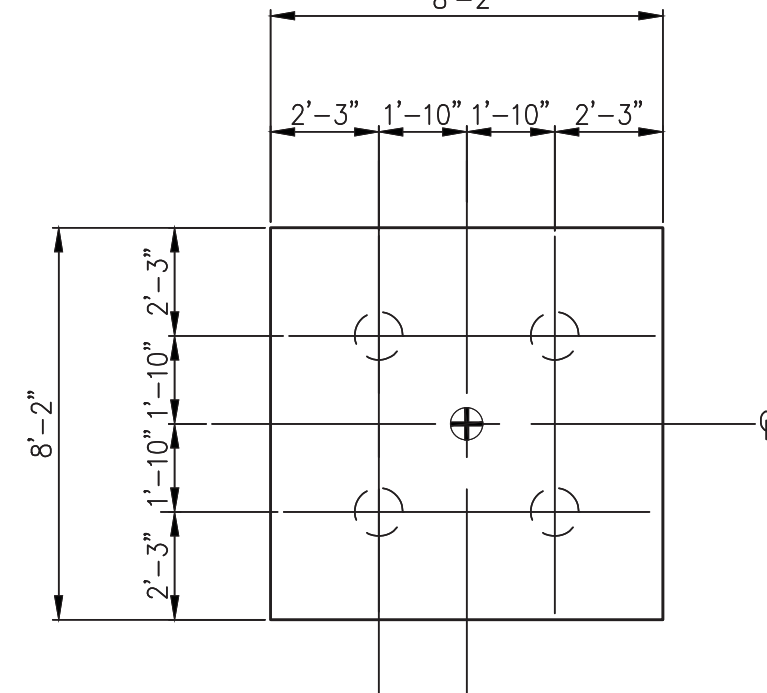
PC2A+1A
DEPTH: 6'-8"
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10-#9 BOTT. L.W.



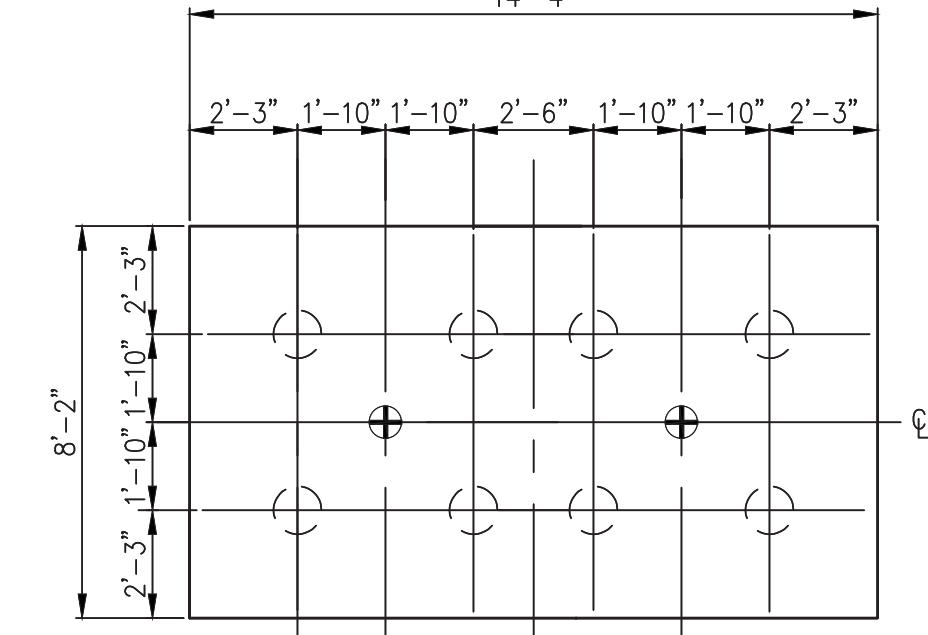
PC2+2A
DEPTH: 5'-4"
REINF: 12-#9 T&B E.W.



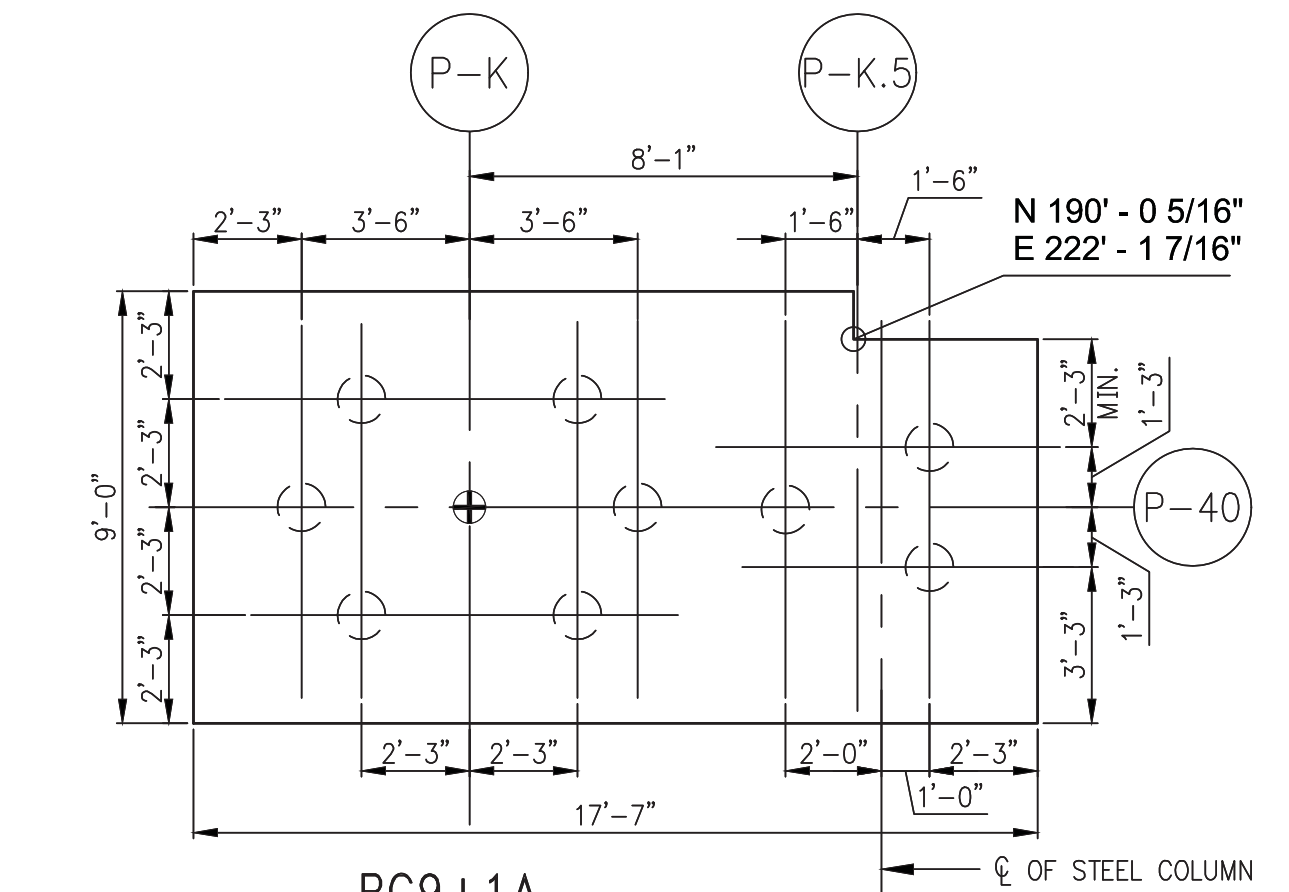
PC3+1A
DEPTH: 6'-2"
REINF: 12-#9 BOTT. E.W.
(3 WAYS)



PC4+1A
DEPTH: 6'-0"
REINF: 13-#10 BOTT. E.W.



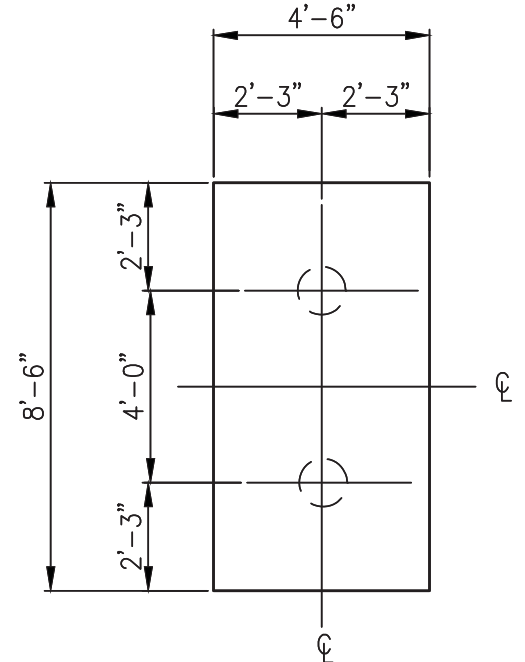
PC8+2A
DEPTH: 6'-0"
REINF: 13-#10 B.S.W.
26-#10 B.S.W.



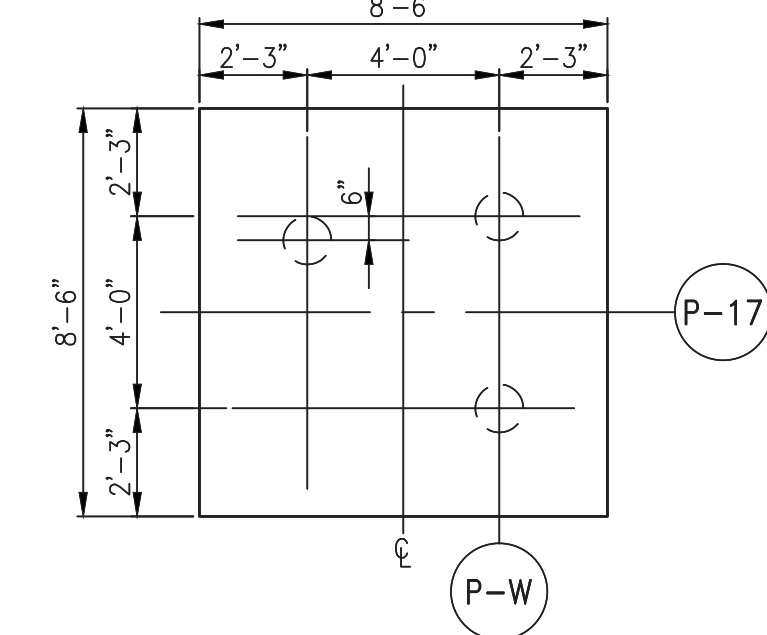
PC9+1A
DEPTH: 7'-4"
REINF: #1008 B.S.W.
#1108 B.L.W.

PILE CAP DETAILS FOR 200 TON CAPACITY PILE WITH ROCK ANCHOR

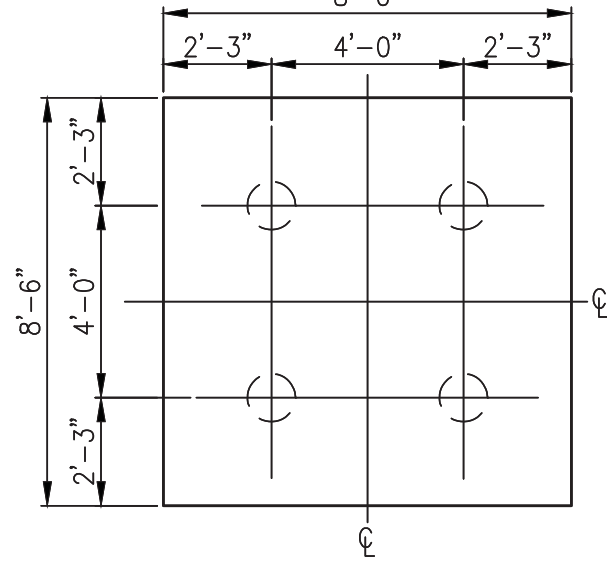
NOTE:
1. FOR ADD'L BOTTOM REINF. SEE TYPICAL DETAIL DWG. FO-203
○ INDICATES 200 TON PILE
⊕ INDICATES 122.5 TON TIE DOWN ANCHOR



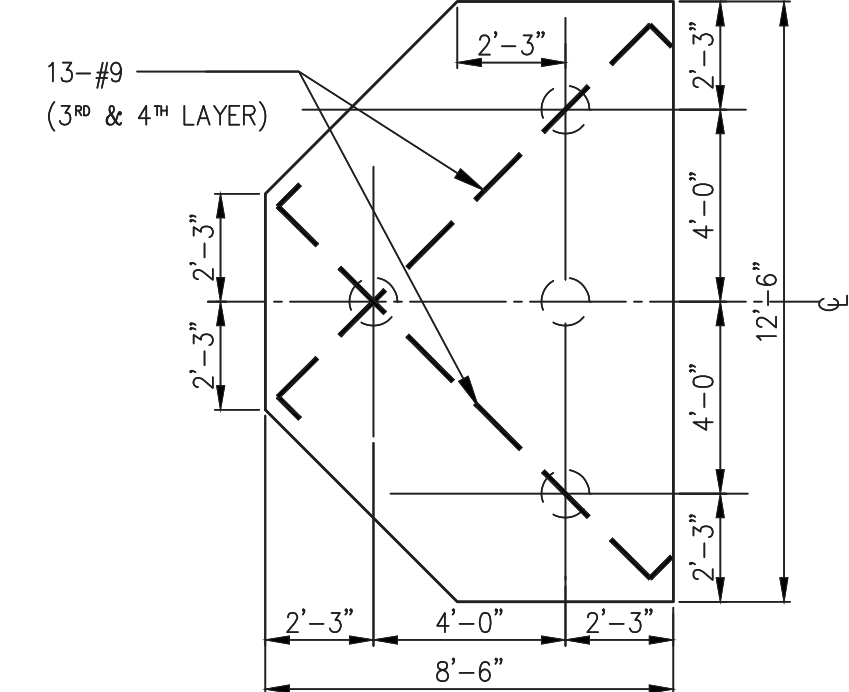
CC2
DEPTH: 4'-0"
REINF: 10-#9 S.W.
7-#9 L.W.



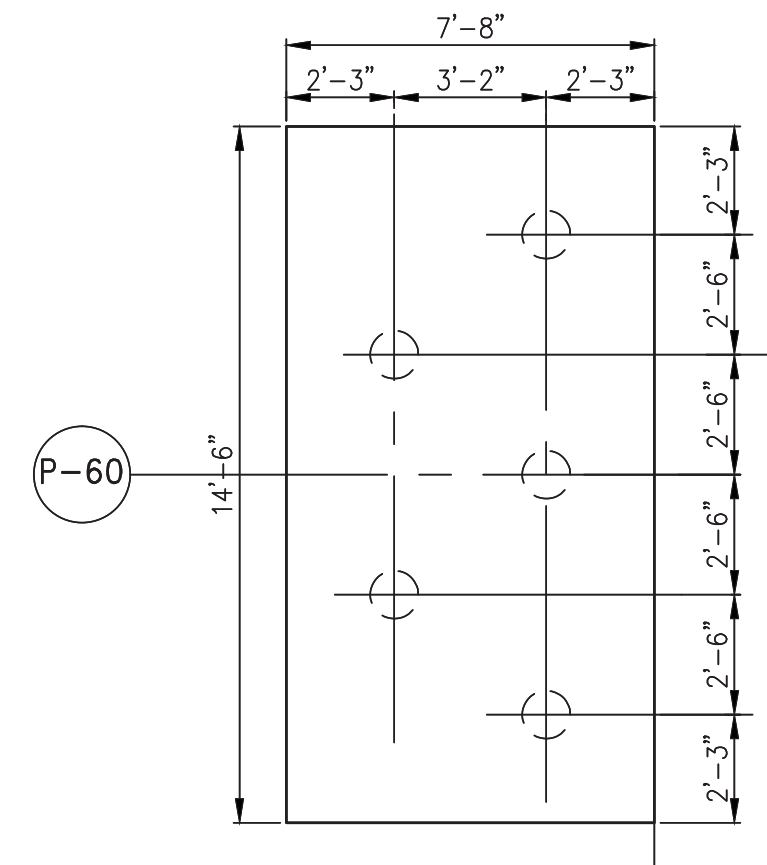
CC3
DEPTH: 4'-6"
REINF: 12-#10 E.W.



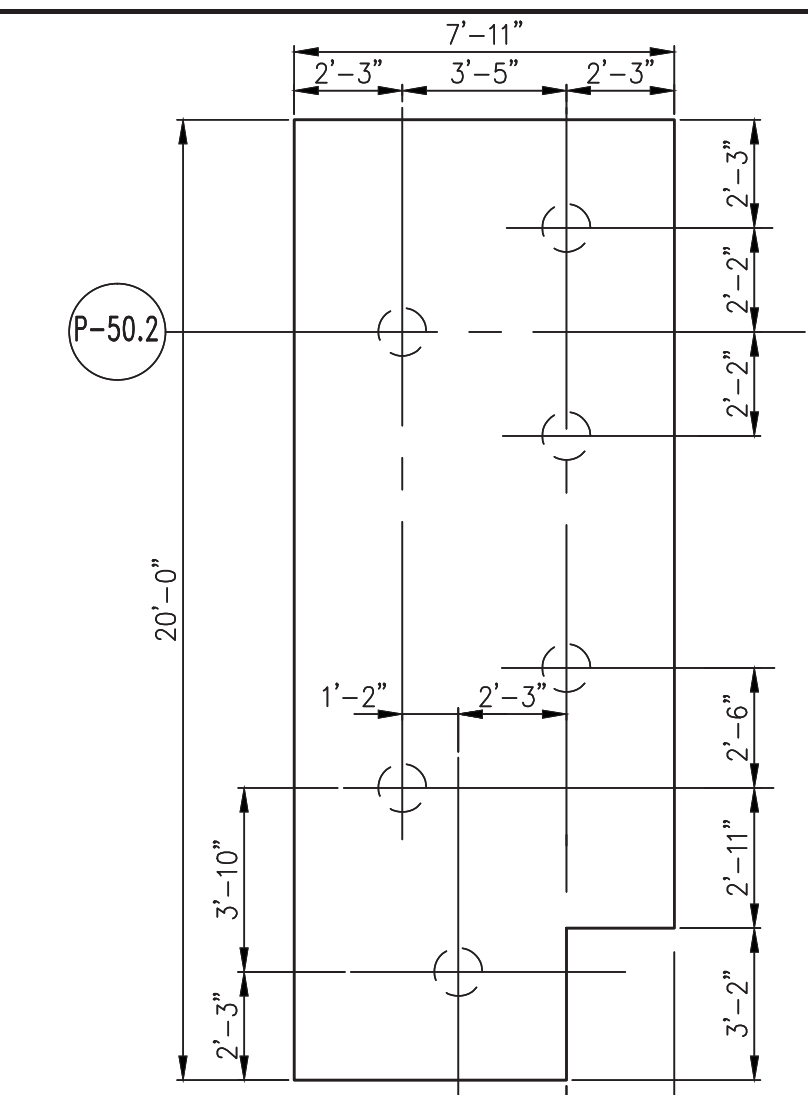
CC4
DEPTH: 5'-0"
REINF: 10-#11 E.W.



CC4A
DEPTH: 5'-6"
REINF: 16-#11 S.W.
13-#9 L.W.



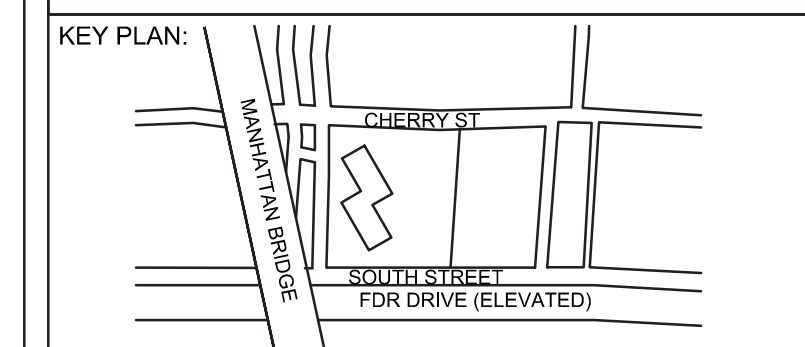
CC5
DEPTH: 5'-0"
REINF: 19-#9 B. S.W.
10-#9 B. L.W.



CC6
DEPTH: 5'-0"
REINF: #1008 S.W.
#908 L.W.

200 TON CAPACITY CAISSON CAP DETAILS

NOTE: ALL REINFORCEMENT IS BOTTOM REINFORCEMENT, WITH 90° HOOK U.O.N.



PROJECT NORTH TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER:
MEYER DAVIS
180 Varck St, suite 404
New York, NY 10014
TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
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TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS:
ICOR ASSOCIATES, LLC
485 C Route 1 South, Suite 209
Iselin, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | 50% SD | 02-28-14 |
| 2 | 100% SD | 04-25-14 |
| 3 | ISSUED FOR DOT | 04-28-14 |
| 4 | FOUNDATION FILING | 06-10-14 |
| 5 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 6 | 50% DD | 08-01-14 |
| 7 | ISSUED FOR DOT | 08-07-14 |
| 8 | ISSUED FOR COORDINATION | 08-15-14 |
| 9 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 10 | DESIGN DEVELOPMENT | 10-07-14 |
| 11 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 12 | ISSUED FOR COORDINATION | 02-05-15 |
| 13 | ISSUED FOR FILING | 02-13-15 |
| 14 | REVISED FND. PACKAGE | 02-27-15 |
| 15 | CONCRETE BID PACKAGE | 03-06-15 |
| 16 | ADDENDUM #1 | 03-20-15 |
| 17 | ADDENDUM #2 | 03-23-15 |
| 18 | ADDENDUM #3 | 03-27-15 |
| 19 | 50% CONSTRUCTION DOCUMENTS | 04-08-15 |
| 20 | ADDENDUM #6 | 06-03-15 |
| 21 | ADDENDUM #10 | 07-22-15 |
| 22 | ISSUED FOR FILING | 07-28-15 |

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PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

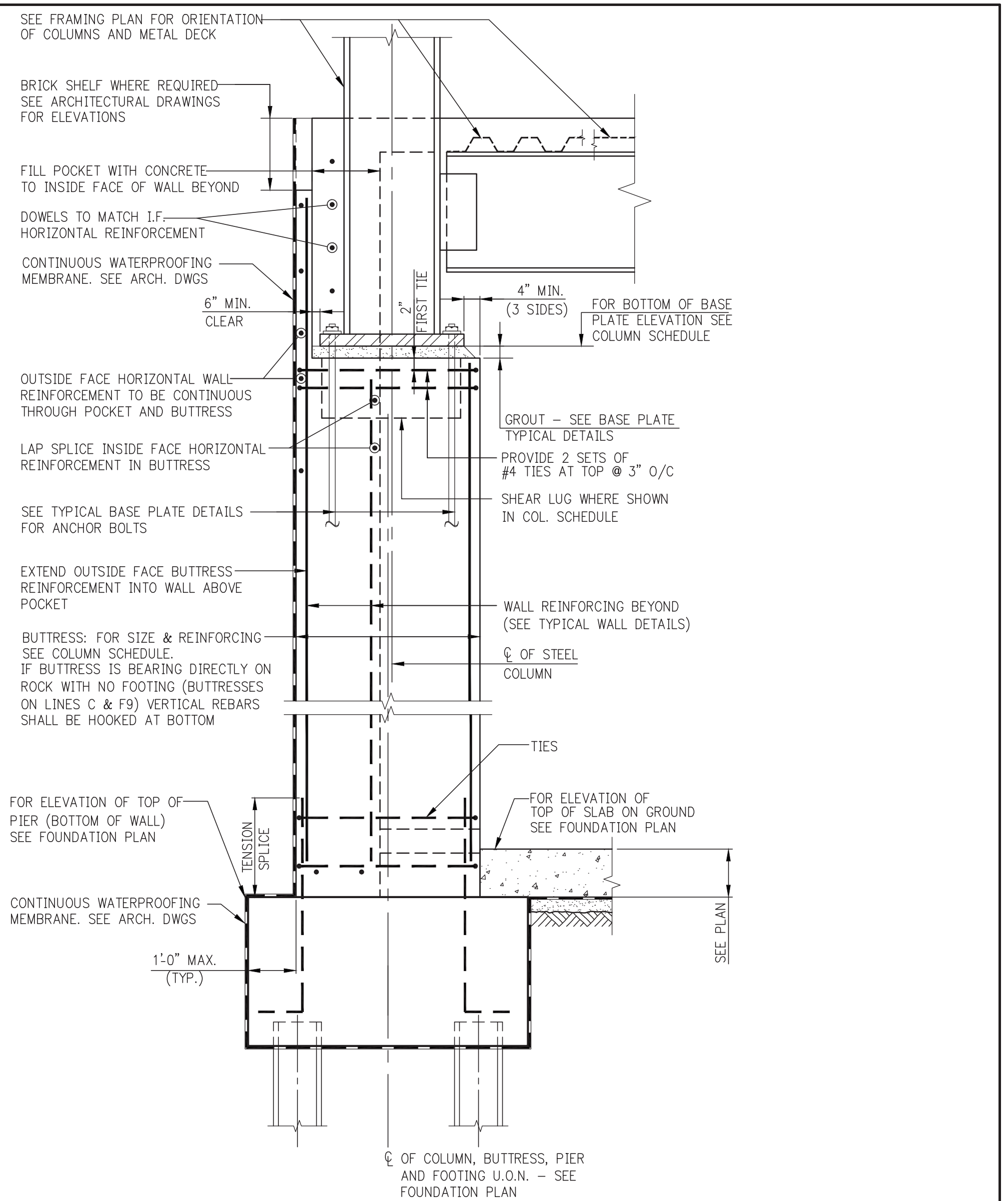
DRAWING TITLE:
**TYPICAL FOUNDATION
DETAILS 2**

| | |
|--------------------------|---------------------|
| SEAL & SIGNATURE: | DATE: 07/29/14 |
| | PROJECT No: 1302510 |
| | DRAWN: CADD REV: |
| | CHK: CL |
| | SCALE: AS SHOWN |
| DWG No: FO-201.00 | |
| DOB PAGE No: of | |

DOB EMPLOYEE STAMP:

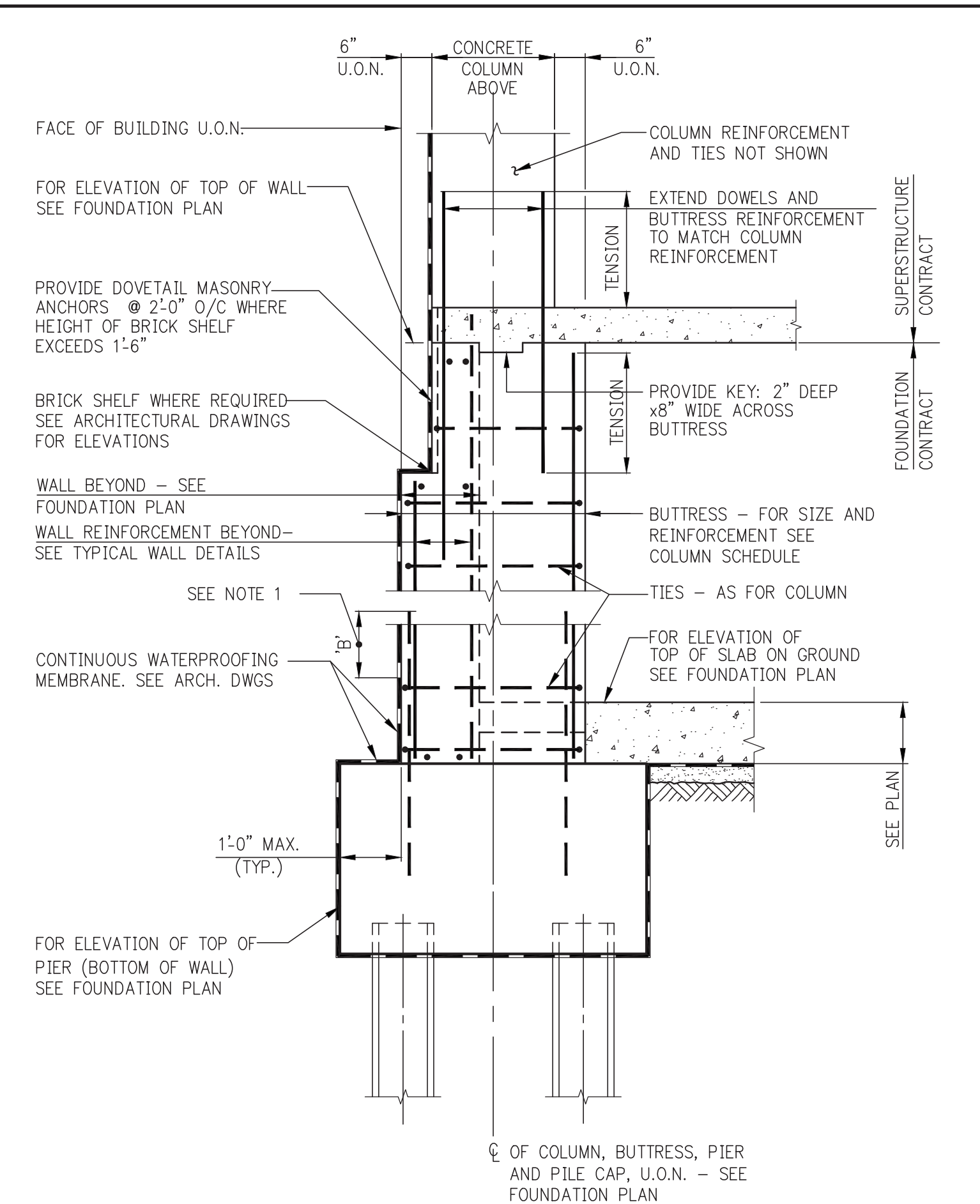
DOB B-SCAN:

Damian Titus
Buildings
APPROVED
Under Directive 2 of 2015
EXERCISING JURISDICTION
Date: 10/08/2015
NYC Development Hub



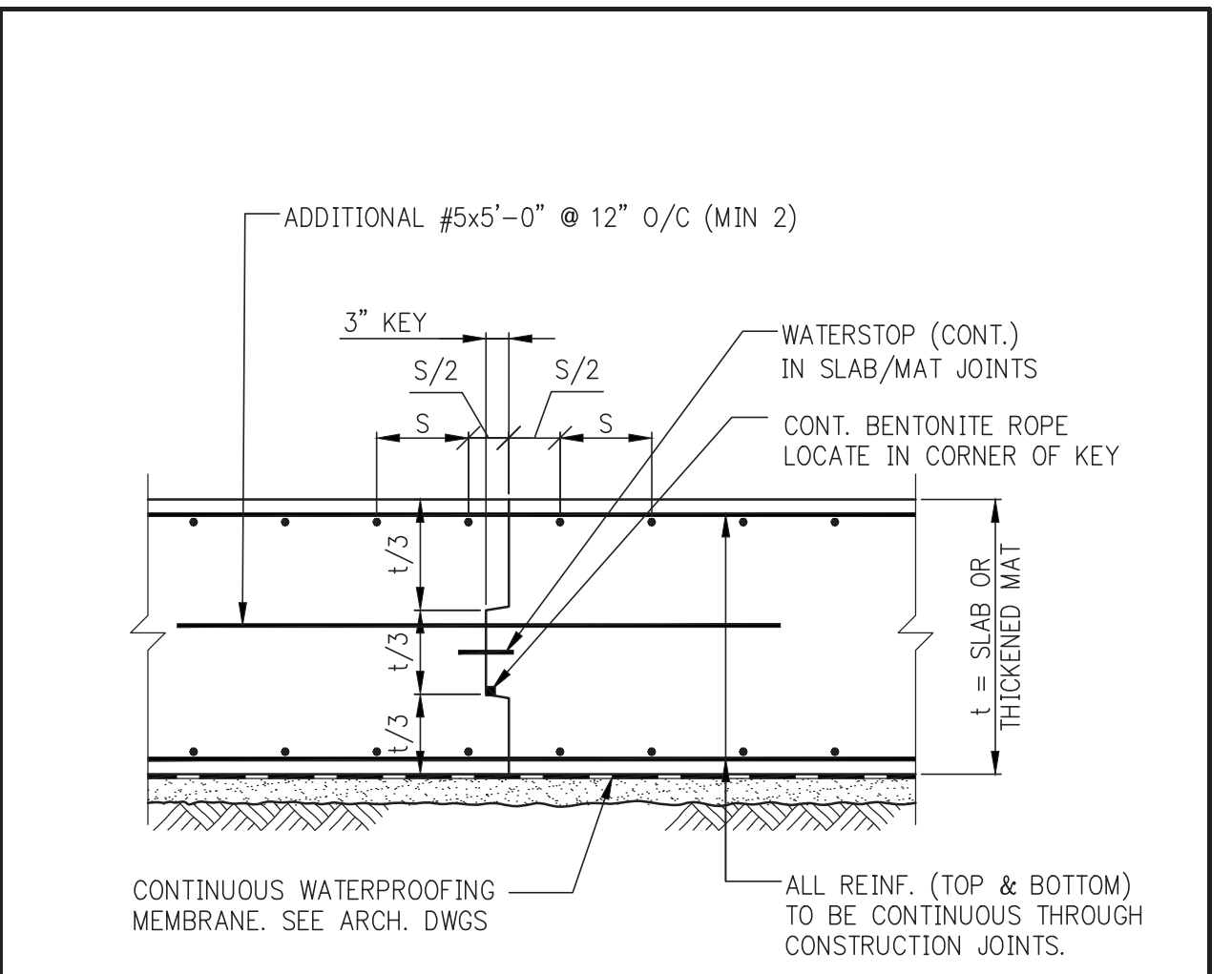
BUTTRESS AT STEEL COLUMN

- NOTES:**
- FOR FOOTING REINFORCING SEE FOOTING SCHEDULE.
 - FOR ADDITIONAL INFORMATION SEE TYPICAL DETAIL AT PERIMETER FOOTING AND TYPICAL FOUNDATION WALL DETAIL.

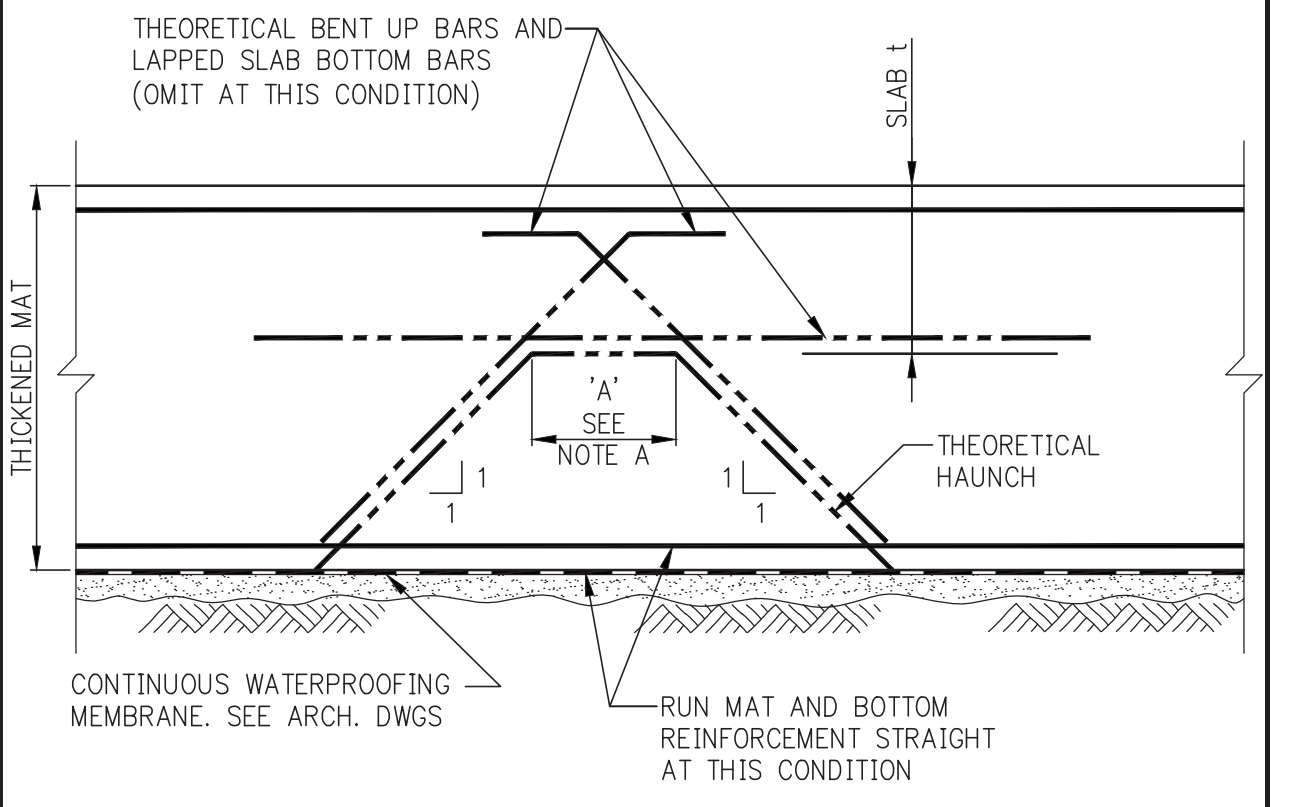


- NOTE:**
- WHEN SLAB ON GROUND IS POURED BEFORE COLUMN, INCREASE LENGTH OF DOWELS BY DIMENSION 'B'. IN ADDITION, IF COLUMN CONCRETE STRENGTH IS GREATER THAN 1.4 TIMES SLAB CONCRETE STRENGTH, THE SLAB CONCRETE STRENGTH MUST BE INCREASED LOCALLY TO MATCH COLUMN CONCRETE STRENGTH FOR A DISTANCE OF 2 FEET IN ALL DIRECTIONS FROM COLUMN FACES.

BUTTRESS AT CONCRETE COLUMN

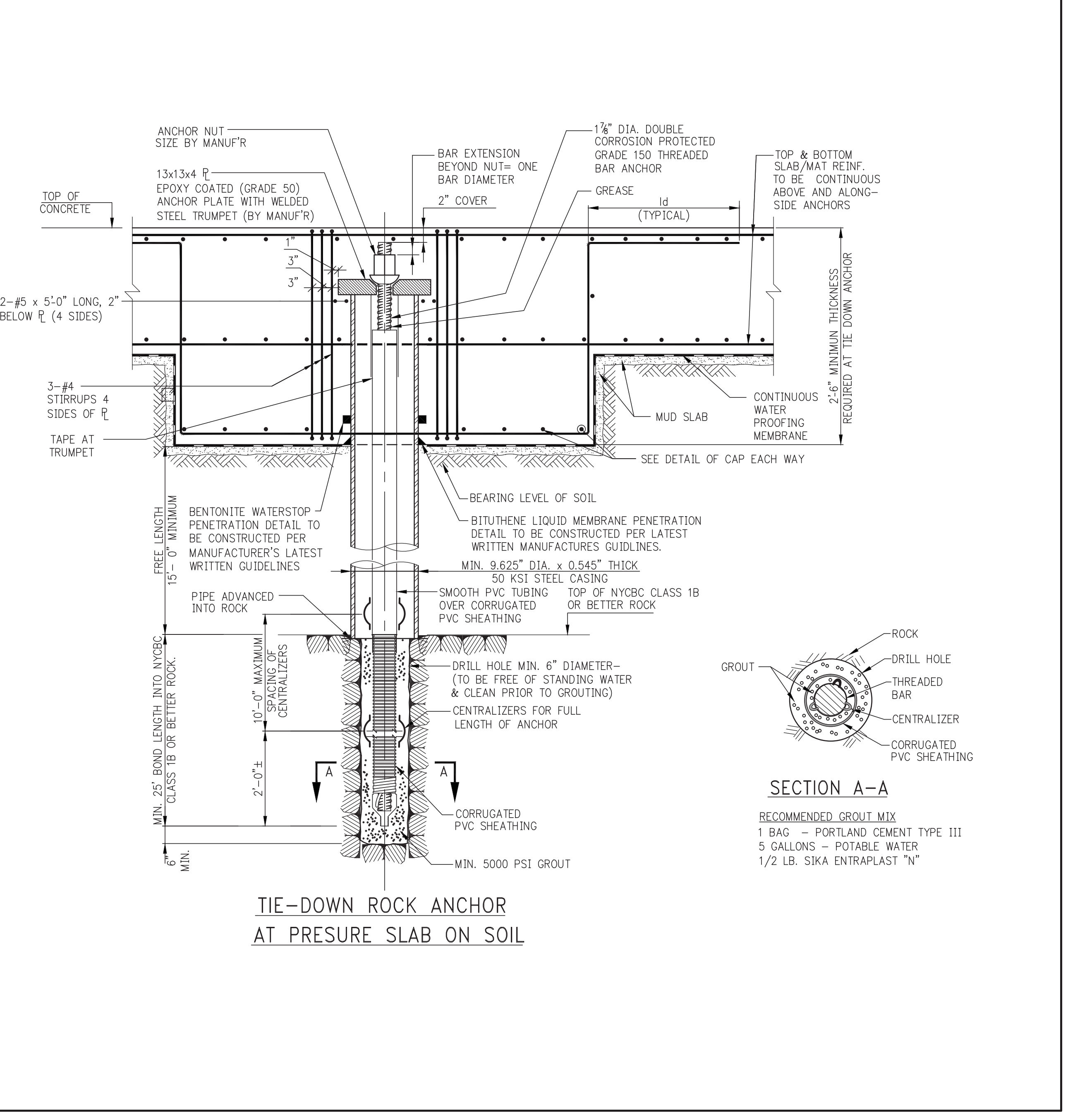


MAT FOUNDATION CONSTRUCTION JOINT

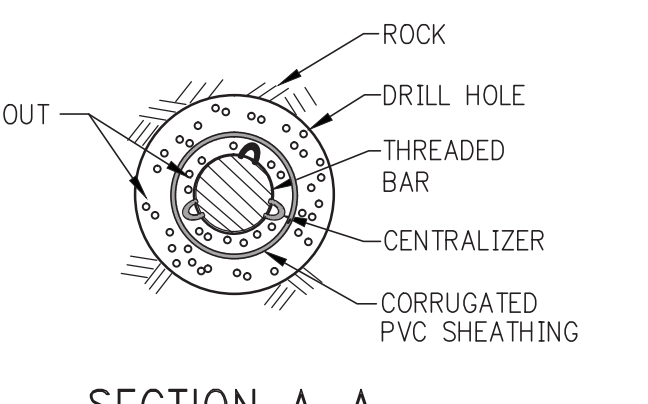


MAT FOUNDATION CONDITION WHERE THEORETICAL HAUNCHES ARE TO BE OMITTED

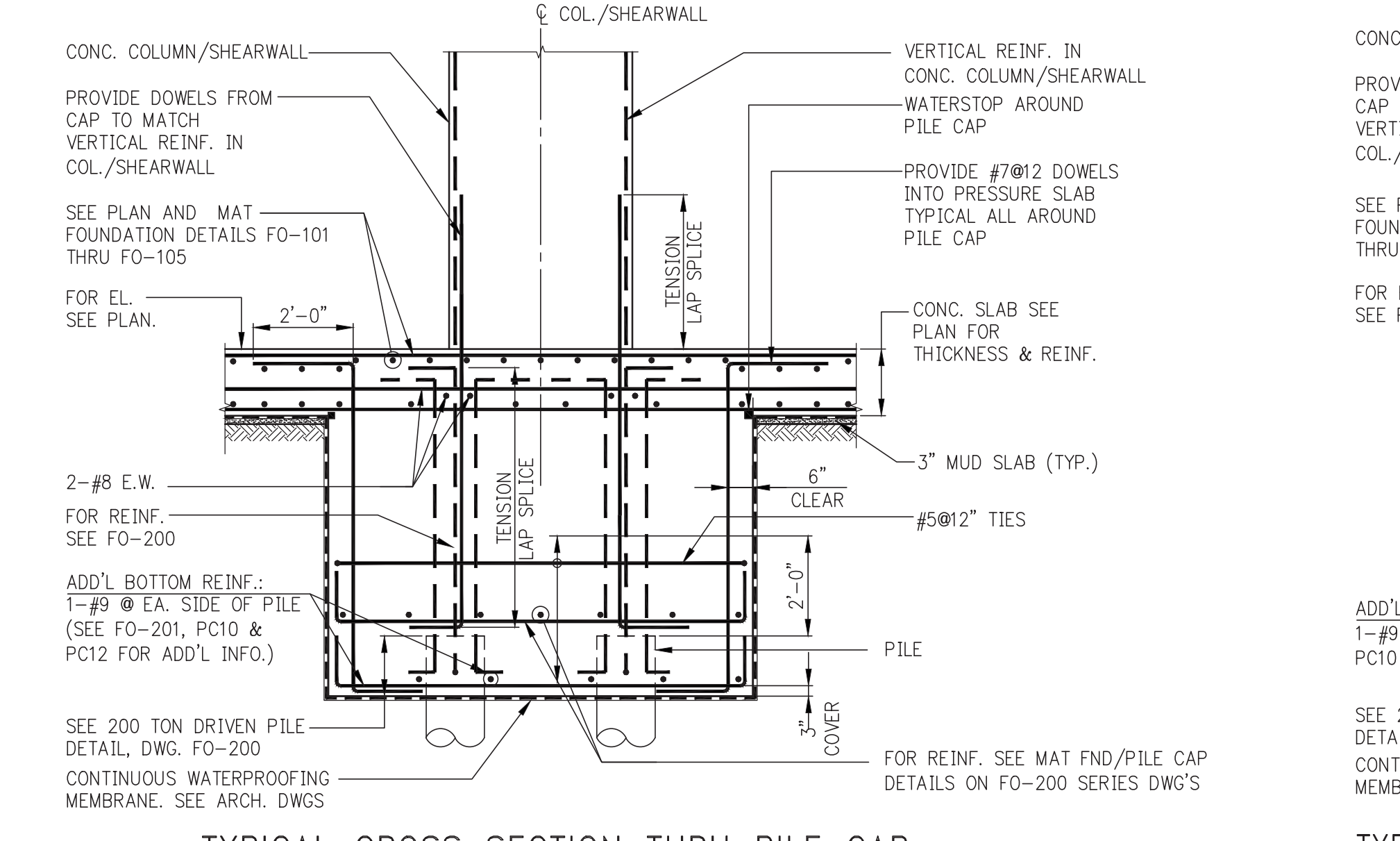
- NOTE A:**
WHEN THEORETICAL DIMENSION 'A' IS LESS THAN 1'-6", OMIT HAUNCHES REPRESENTED BY DASHED LINES



TIE-DOWN ROCK ANCHOR AT PRESSURE SLAB ON SOIL

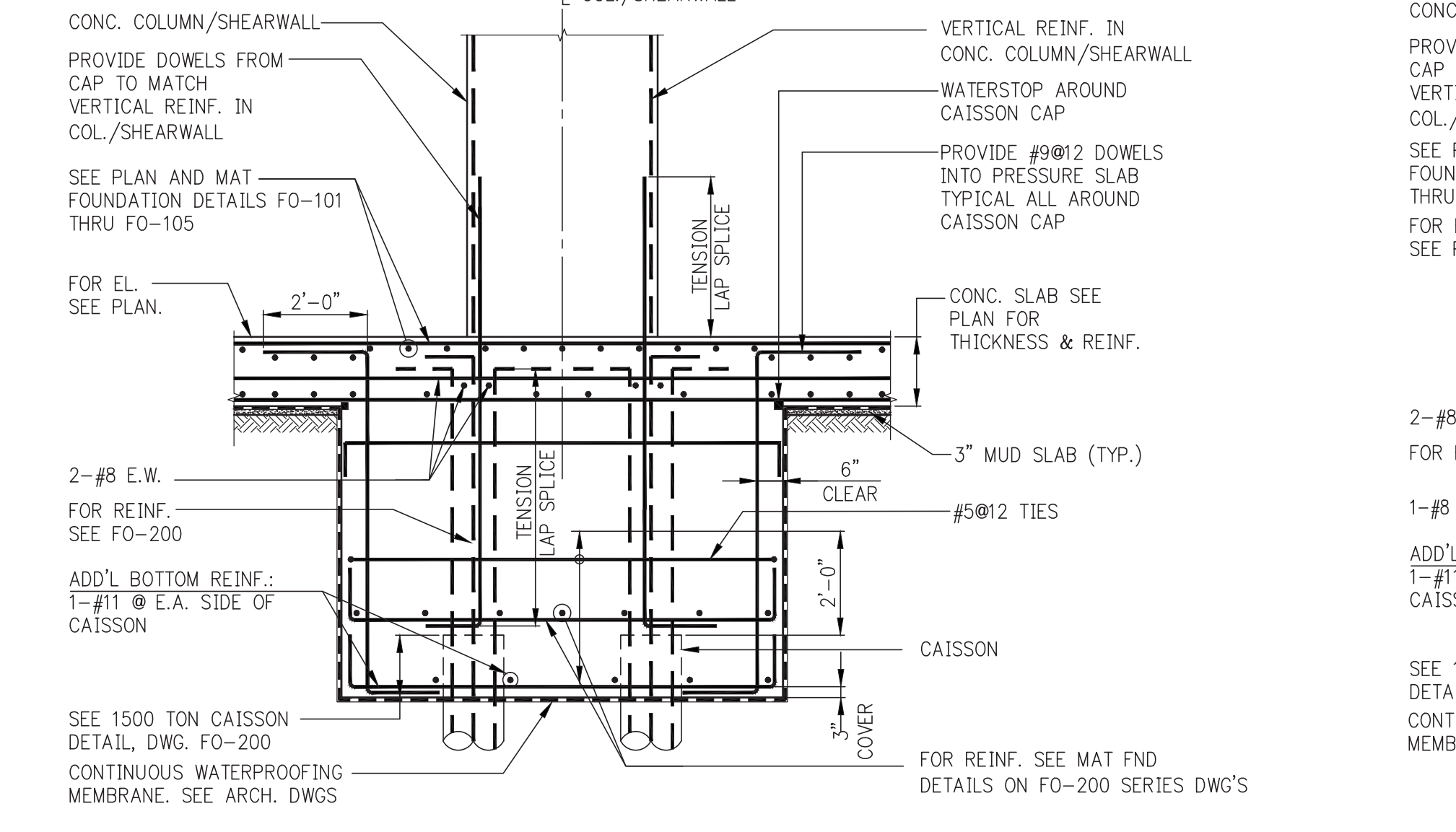


- RECOMMENDED GROUT MIX**
- 1 BAG - PORTLAND CEMENT TYPE III
 - 5 GALLONS - PORTLAND WATER
 - 1/2 LB. SIKA ENTRAPLAST "N"



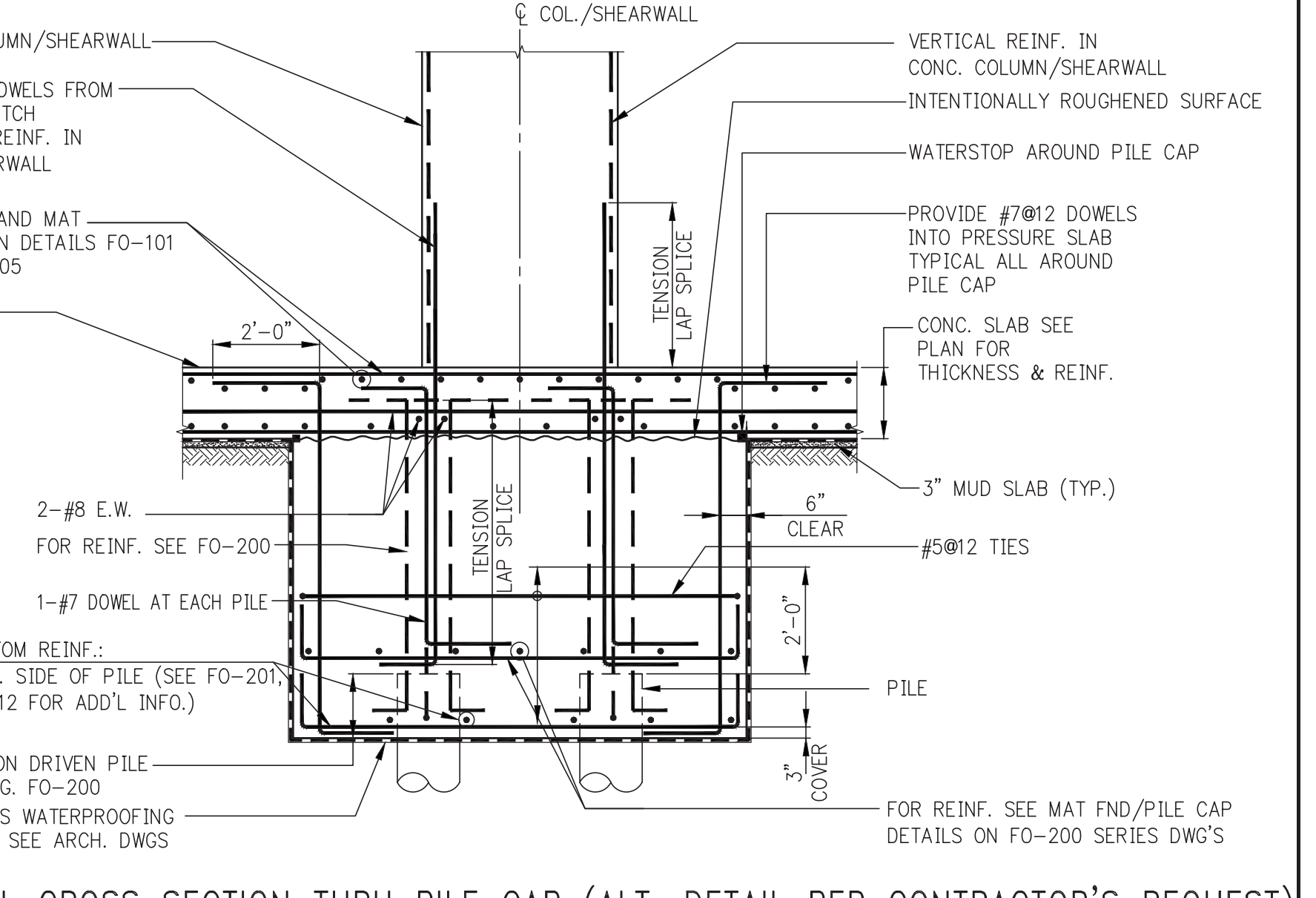
TYPICAL CROSS SECTION THRU PILE CAP DETAIL 1

SCALE: 3/8" = 1'-0"



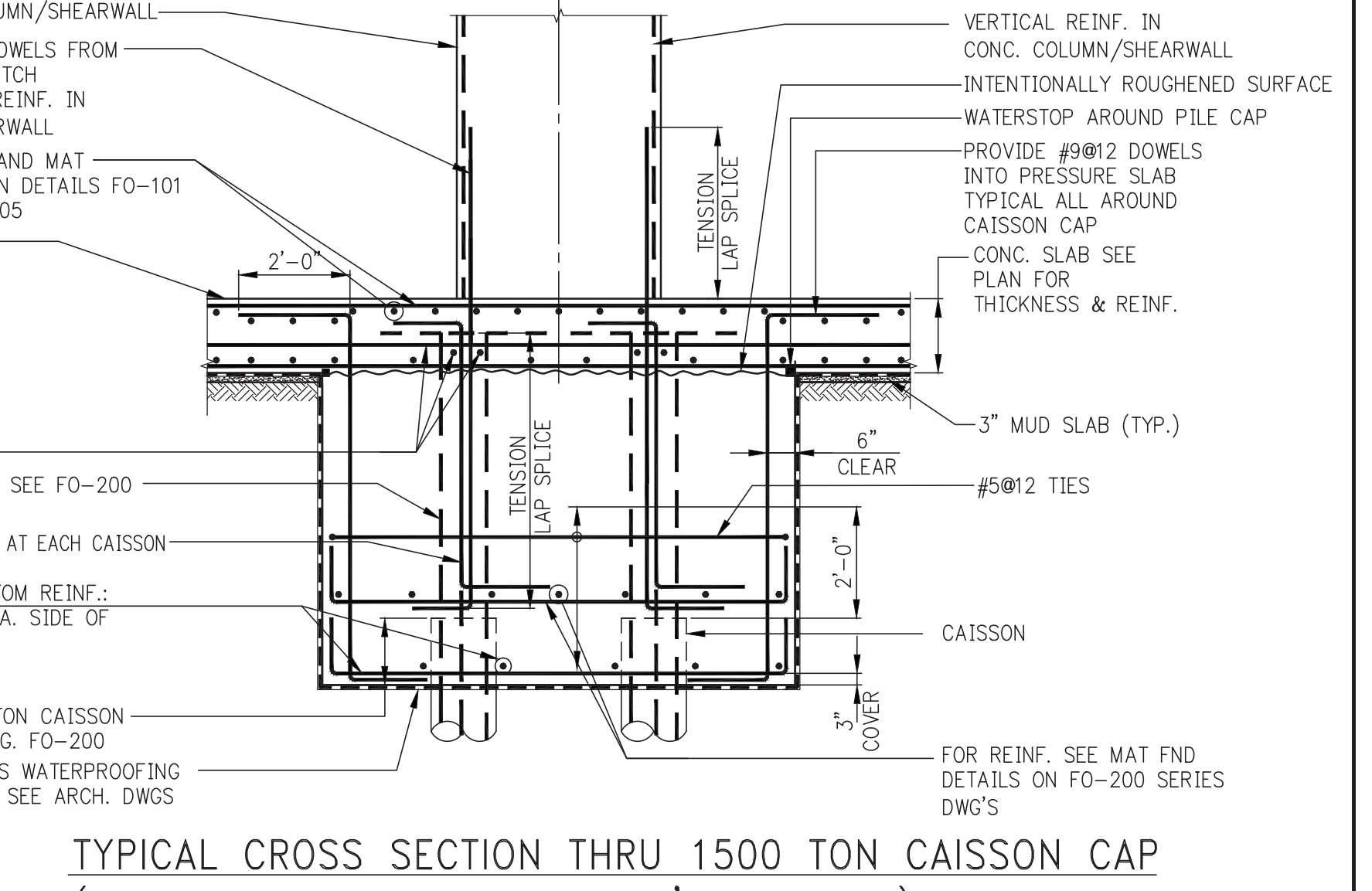
TYPICAL CROSS SECTION THRU 1500 TON CAISSON DETAIL 2

SCALE: 3/8" = 1'-0"



TYPICAL CROSS SECTION THRU PILE CAP (ALT. DETAIL PER CONTRACTOR'S REQUEST) DETAIL 1A

SCALE: 3/8" = 1'-0"



TYPICAL CROSS SECTION THRU 1500 TON CAISSON (ALT. DETAIL PER CONTRACTOR'S REQUEST) DETAIL 2A

SCALE: 3/8" = 1'-0"

KEY PLAN: [Map showing project location at 250 South Street, New York, NY]

PROJECT NORTH: [North arrow]

TRUE NORTH: [North arrow]

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
14 Wall Street, 2nd Floor
New York, NY 10005
TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER:
MEYER DAVIS
180 Varick St, suite 404
New York, NY 10014
TEL: 212-627-8574

LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
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21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | FOUNDATION BID PACKAGE | 06-10-14 |
| 4 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 5 | 50% DD | 08-01-14 |
| 6 | ISSUED FOR DOT | 08-07-14 |
| 7 | ISSUED FOR COORDINATION | 08-15-14 |
| 8 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 9 | DESIGN DEVELOPMENT | 10-07-14 |
| 10 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 11 | ISSUED FOR FILING | 02-13-15 |
| 12 | STEEL BID PACKAGE | 02-24-15 |
| 13 | CONCRETE BID PACKAGE | 03-06-15 |
| 14 | 50% CONSTRUCTION DOCUMENTS | 04-08-15 |
| 15 | ADDENDUM #6 | 06-03-15 |
| 16 | ISSUED FOR FILING | 07-28-15 |

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CONSULTANT: **WSP**

PROJECT:
250 SOUTH STREET
NEW YORK, NY

DRAWING TITLE:
TYPICAL FOUNDATION DETAILS 3

SEAL & SIGNATURE: [Signature of Damian Titus]

DATE: 07/29/14

PROJECT No: 1302510

DRAWN: CADD REV: []

CHK: CL

SCALE: N.T.S.

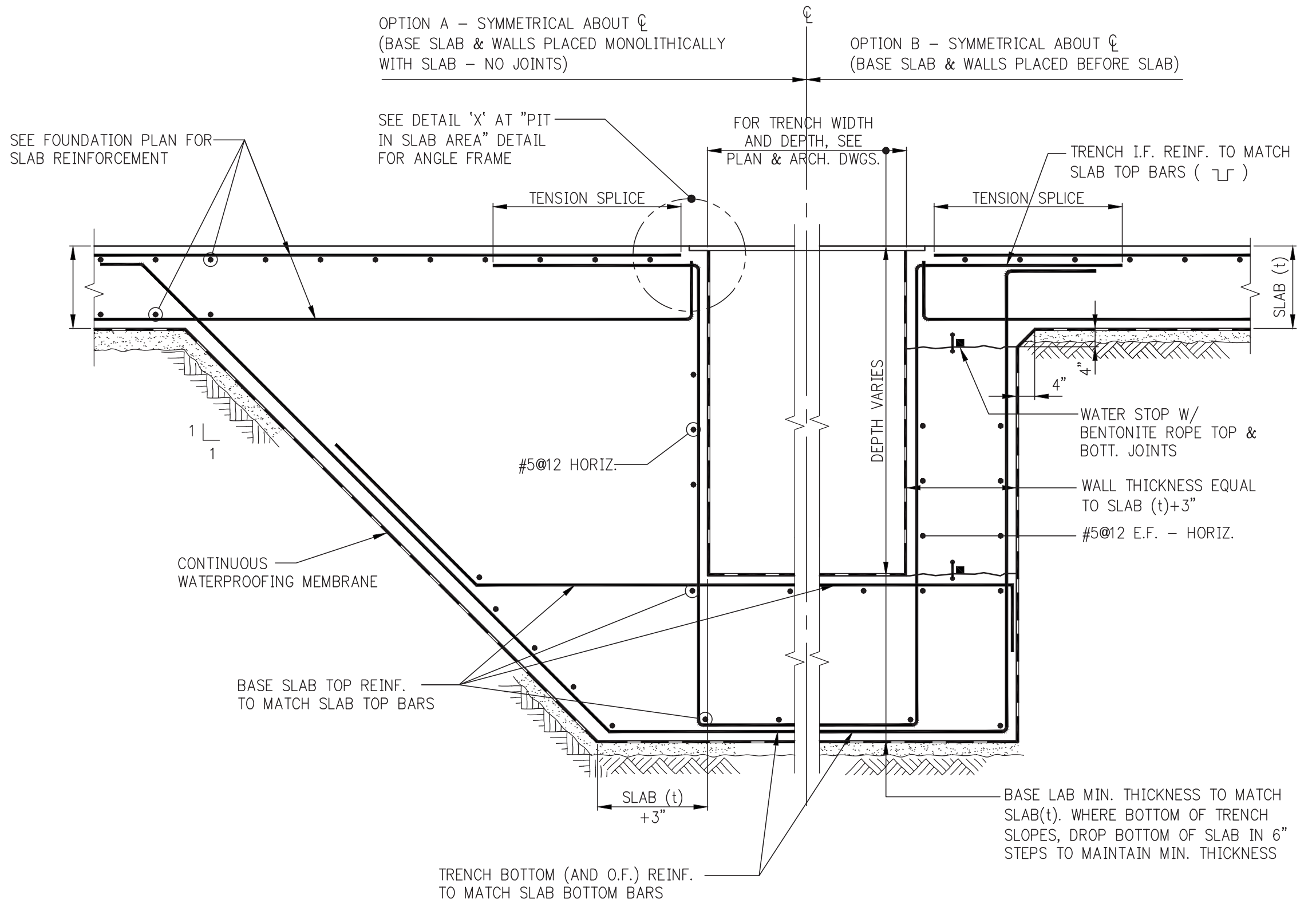
DWG No: **FO-202.00**

DOB PAGE No: of

DOB EMPLOYEE STAMP: [Stamp]

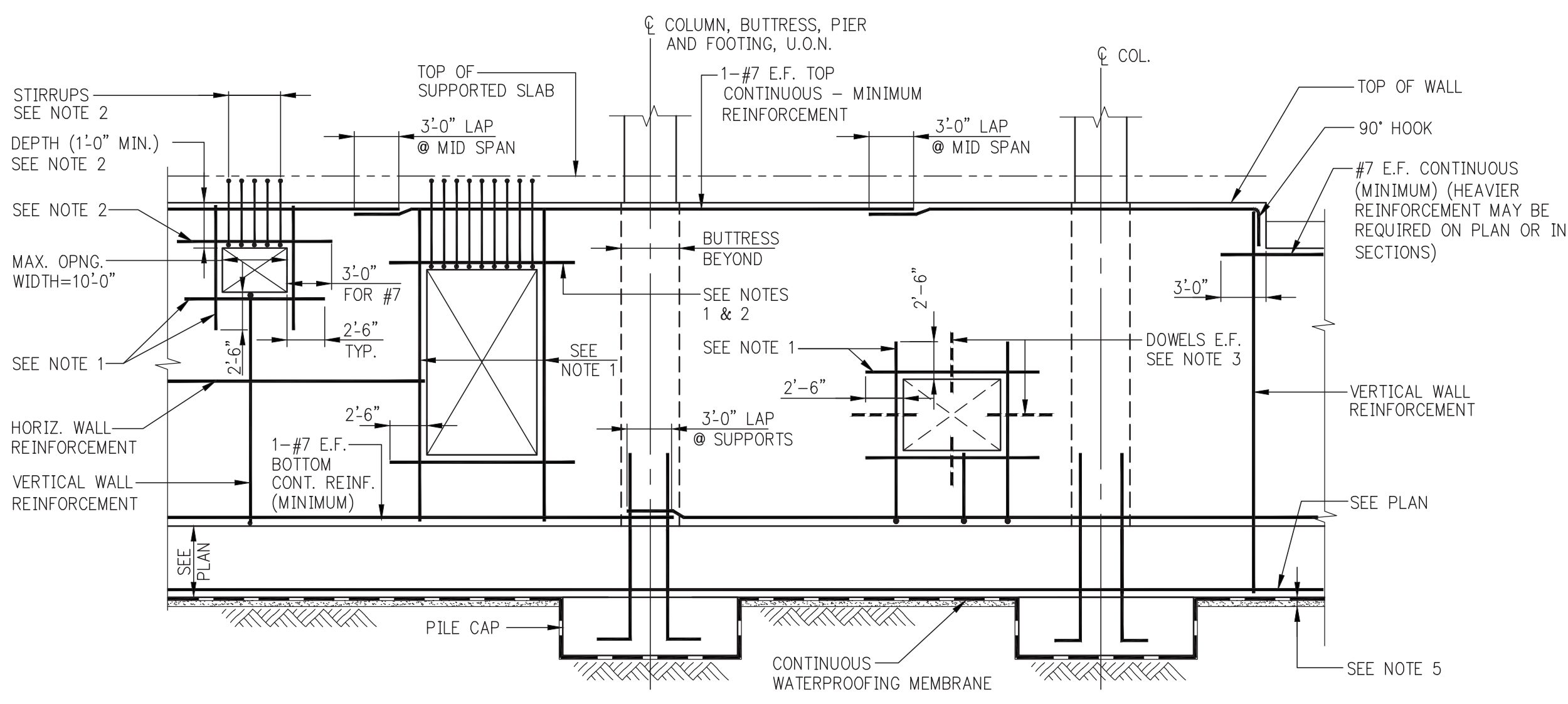
DOB B-SCAN: [Stamp]

APPROVED: Under Directive 2 of 1975
DATE: 10/08/2015
NYC Development Hub



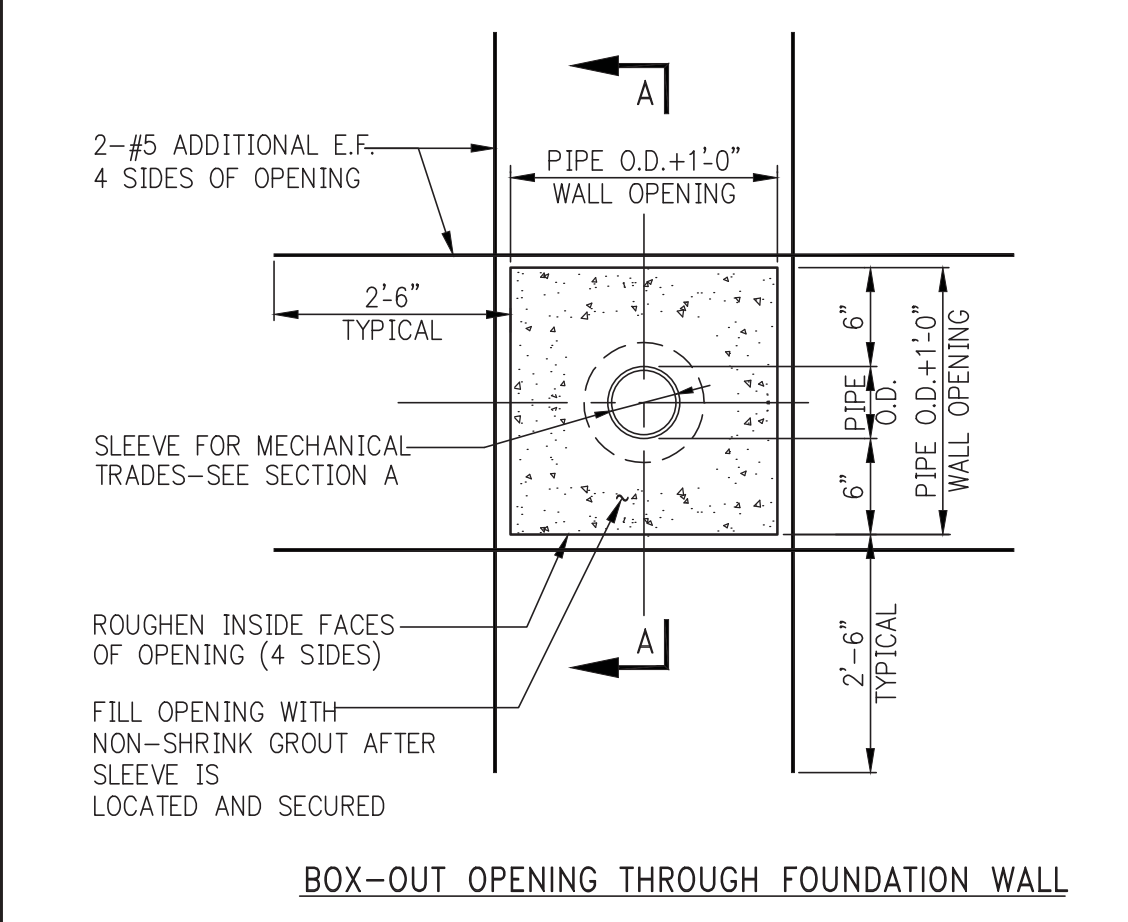
MAT FOUNDATION TRENCH IN SLAB AREA (DEEPER THAN SLAB)

NOTE:
 TOP AND BOTTOM SLAB REINF. MUST BE LAP SPLICED AND HOOKED AS SHOWN TO MAINTAIN MOMENT CAPACITY CONTINUITY.

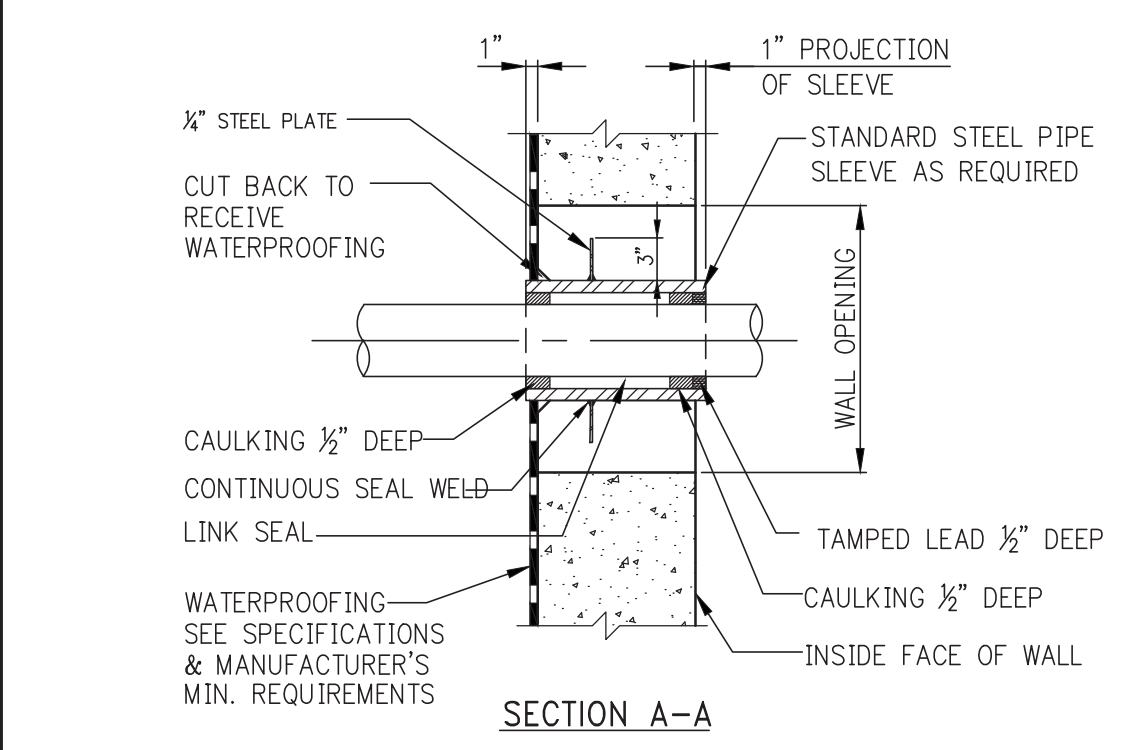


FOUNDATION WALL ELEVATION SHOWING REINFORCEMENT AT OPENINGS AND MISCELLANEOUS DETAILS

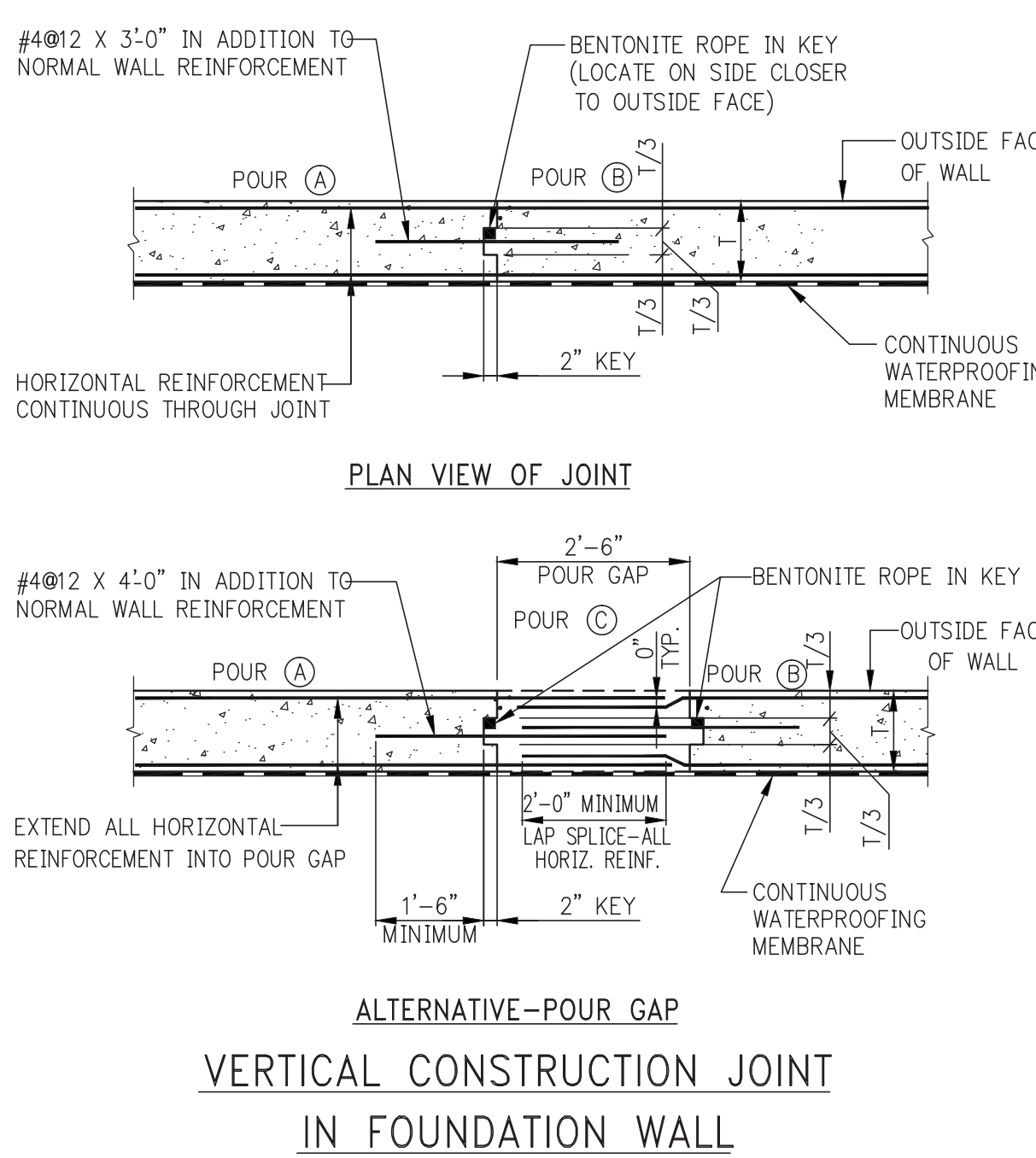
- NOTES:**
- ADD #5 BARS (HORIZ. & VERT.) AT ALL FOUR EDGES OF OPENINGS. AREA OF ADDED BARS AT EACH EDGE TO BE EQUAL TO ONE HALF OF AREA OF INTERRUPTED BARS IN THE CORRESPONDING DIRECTION. PROVIDE A MINIMUM OF 1-#5 E.F.
 - WHERE TOP EDGE OF OPENING IS LESS THAN 2'-6" FROM TOP OF WALL ADD 1-#7 E.F. (IN LIEU OF #5) OVER OPENING. PROVIDE #4 [] STIRRUPS @ 8" - EXTEND INTO SLAB WITH 2" COVER AT TOP OF STIRRUPS.
 - AT UTILITY ACCESS OPENINGS WHICH ARE TO BE FILLED IN WITH CONCRETE, PROVIDE DOWELS PROJECTING 1'-0" INTO OPENING, EITHER EXTEND HORIZONTAL AND VERTICAL WALL REINFORCEMENT, OR ADD #4@12 E.F. DOWELS x2'-6" LONG.
 - FOR ACTUAL OPENING SIZES AND LOCATIONS, SEE PLANS, SECTIONS, ARCHITECTURAL DWGS., AND MEP DWGS. SUBMIT SHOP DRAWINGS WITH WALL ELEVATIONS SHOWING ALL OPENINGS AND REINFORCEMENT.
 - PROVIDE FOOTING OR CONCRETE MUD SLAB TO SUPPORT WALL FORMS AND NET CONCRETE. SEE FOUNDATION SECTIONS ON FS-300 SERIES DRAWINGS FOR ADDITIONAL DETAILS.



BOX-OUT OPENING THROUGH FOUNDATION WALL

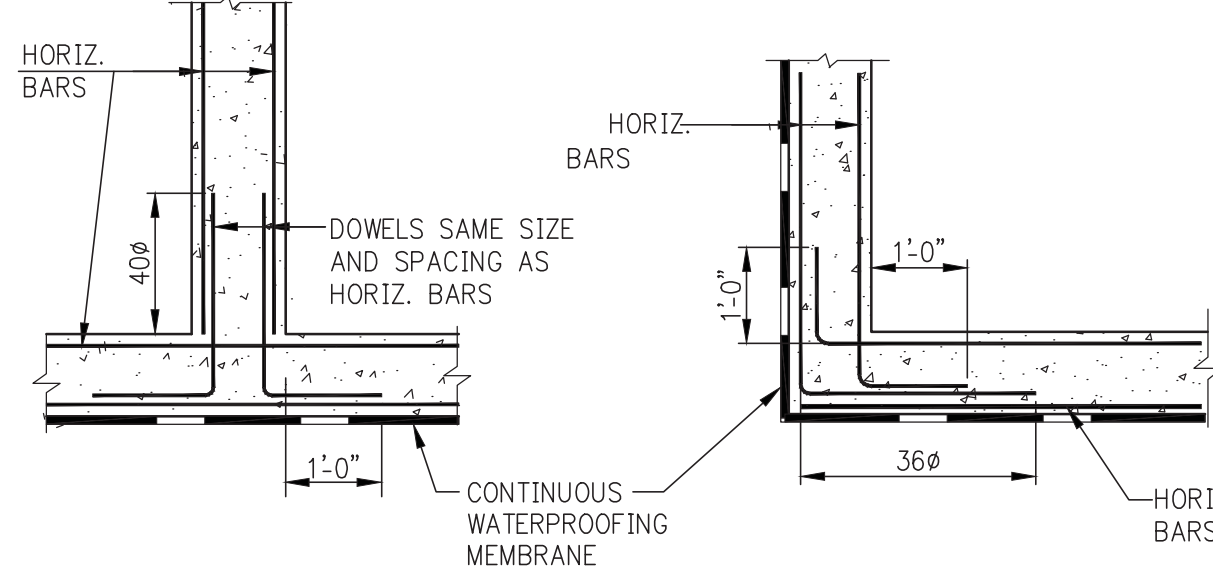


WATERPROOFED SLEEVE THROUGH WALL WITH WATERPROOFING

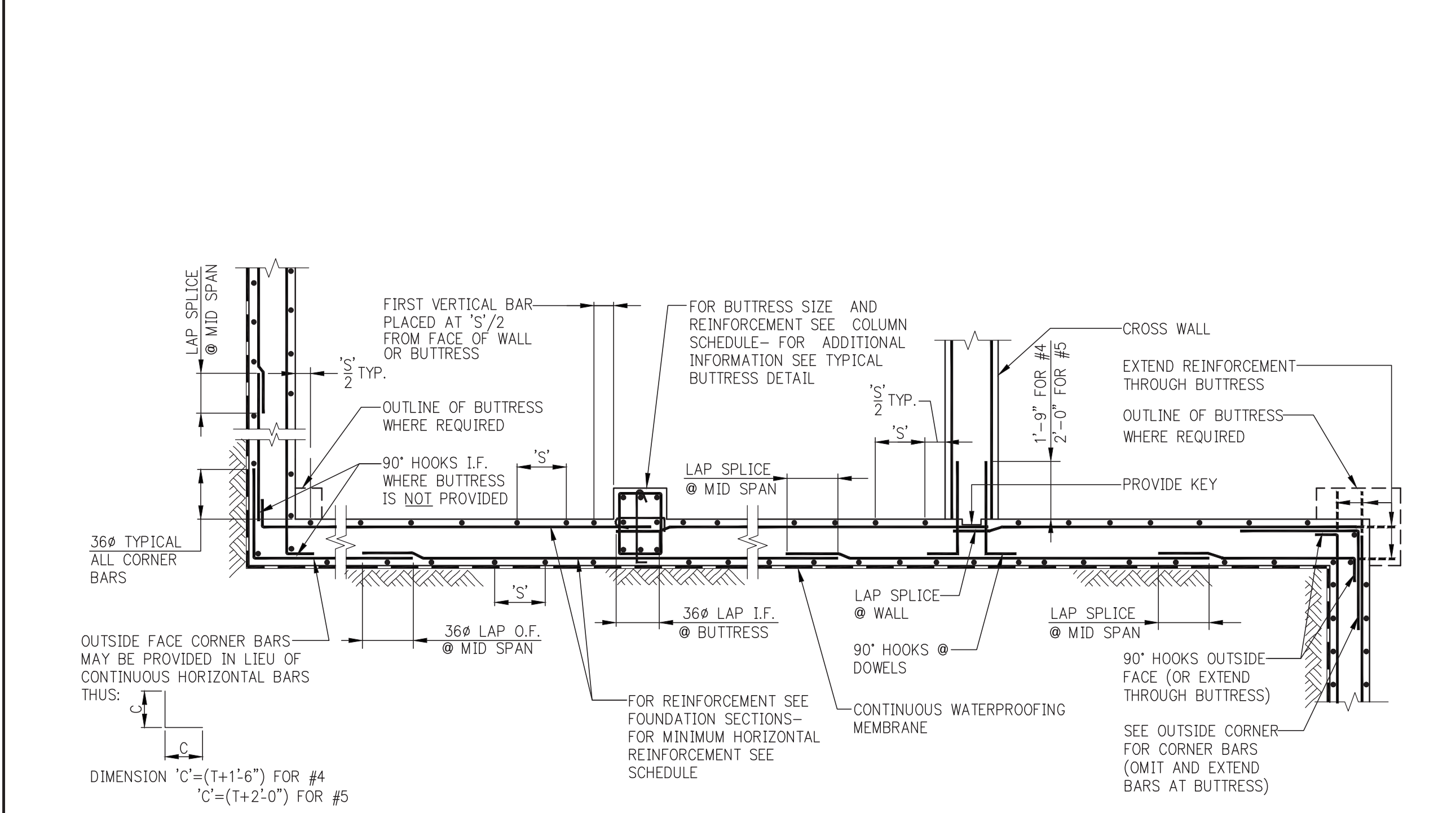


VERTICAL CONSTRUCTION JOINT IN FOUNDATION WALL

- NOTES:**
- CONSTRUCTION JOINTS IN WALLS SHALL BE LOCATED AT LEAST FOUR FEET FROM FACE OF SUPPORTING PIER, FOOTING, PILE CAP, ETC. OR FROM WALL OPENING.
 - MAXIMUM SPACING BETWEEN JOINTS SHALL BE FORTY FEET UNLESS NOTED OTHERWISE ON THE FOUNDATION DRAWINGS.
 - CONCRETE SHALL NOT BE PLACED IN THE POUR GAP UNTIL 24 HOURS AFTER PLACEMENT OF THE MOST RECENT ADJACENT SECTION.
 - FOR JOINTS IN SHEARWALLS SEE DETAILS IN FS-400 OR S-400 SERIES.



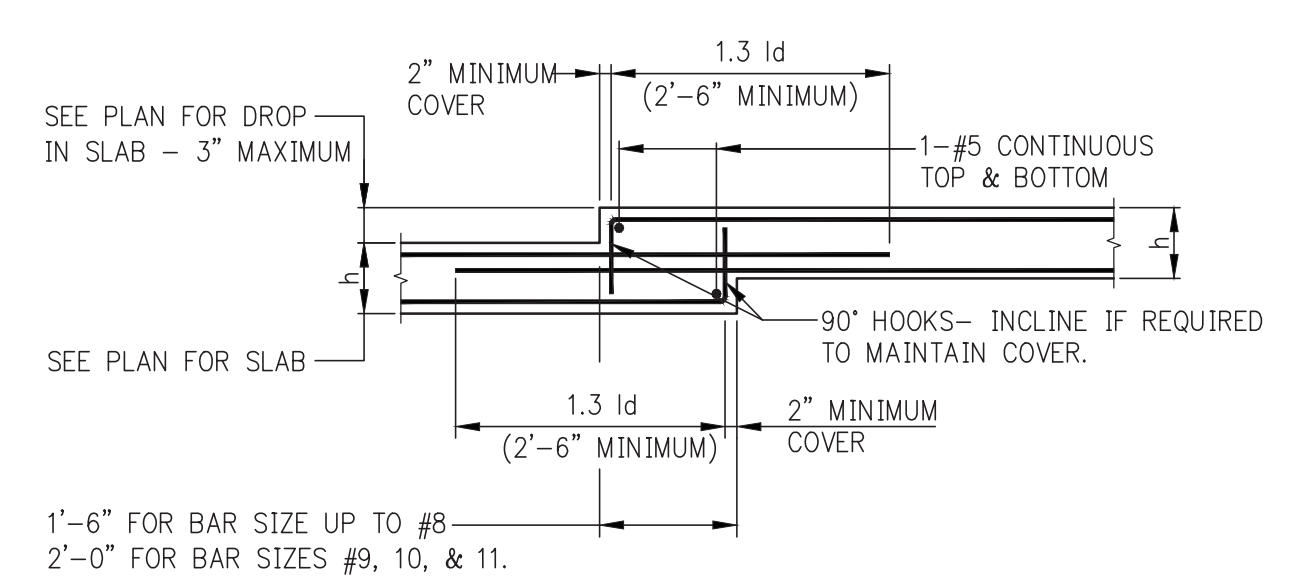
TYPICAL WALL INTERSECTION DETAILS



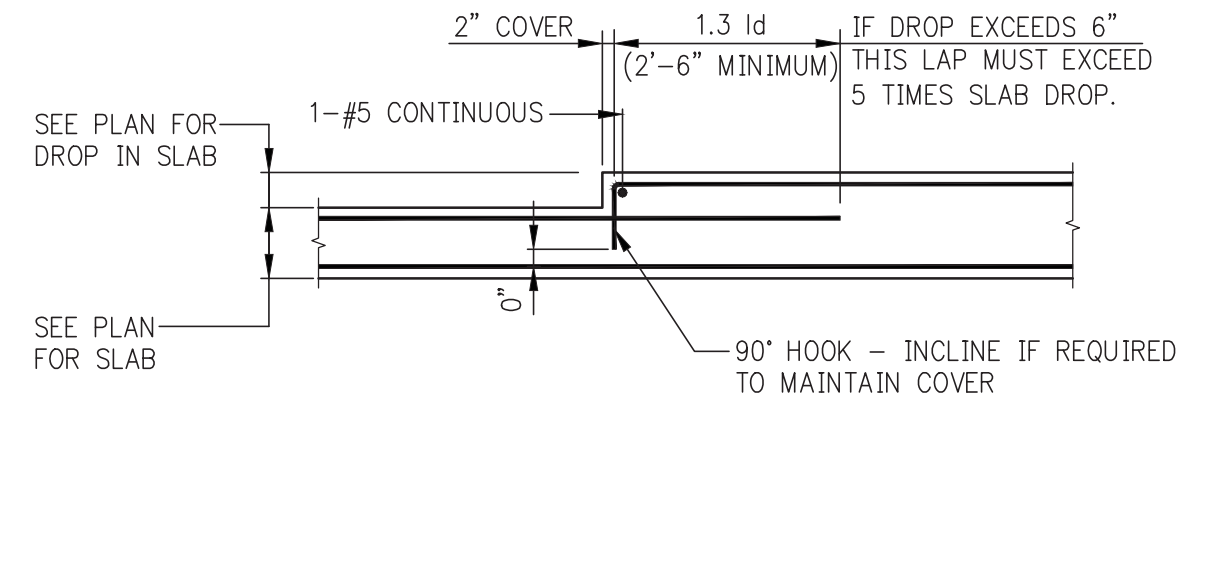
HORIZONTAL SECTION SHOWING PLACEMENT OF FOUNDATION WALL REINFORCEMENT

NOTE:
 VERTICAL CONSTRUCTION JOINT IN WALL IS NOT SHOWN HERE - SEE TYPICAL CONSTRUCTION JOINT DETAIL.

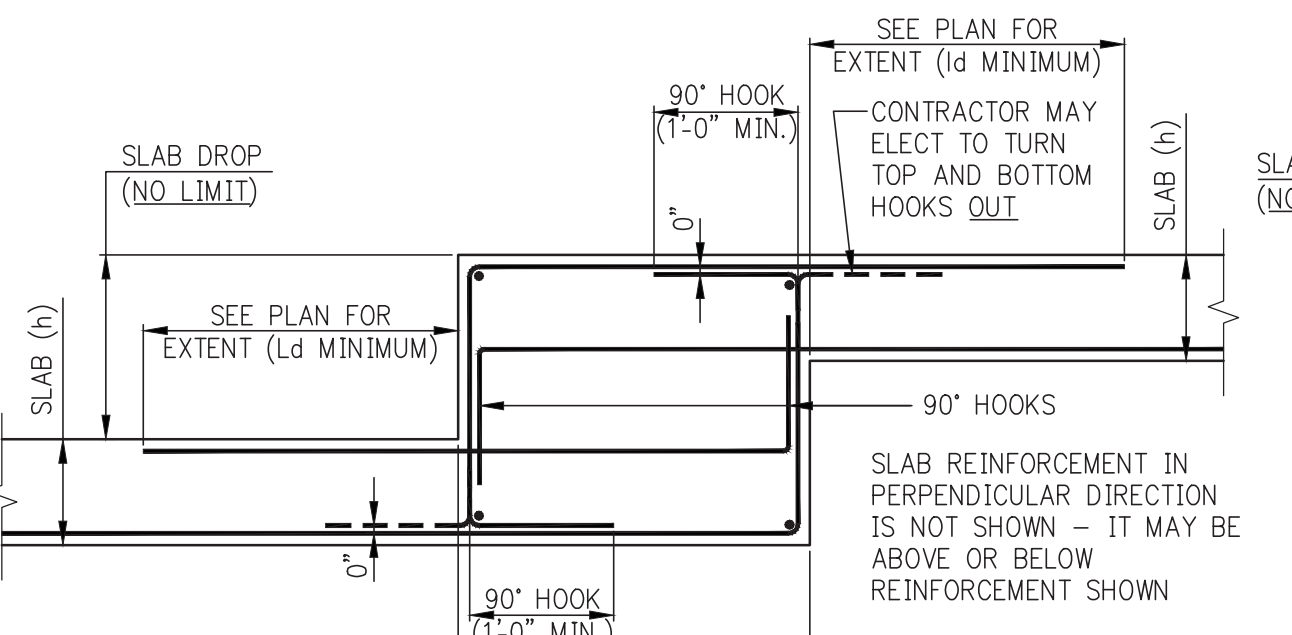
| T = WALL THICKNESS | HORIZONTAL REINFORCEMENT |
|--------------------|--------------------------|
| UP TO 10" | #4@18 E.F. |
| 11" TO 12" | #4@16 E.F. |
| 13" TO 16" | #4@12 E.F. |
| 17" TO 20" | #4@10 OR #5@15 E.F. |
| 21" TO 22" | #4@9 OR #5@12 E.F. |
| 23" TO 24" | #4@8 OR #5@12 E.F. |
| OVER 24" | SEE PLANS AND SECTIONS |



DROP IN TOP AND BOTTOM OF SLAB (MAXIMUM DROP = 3")

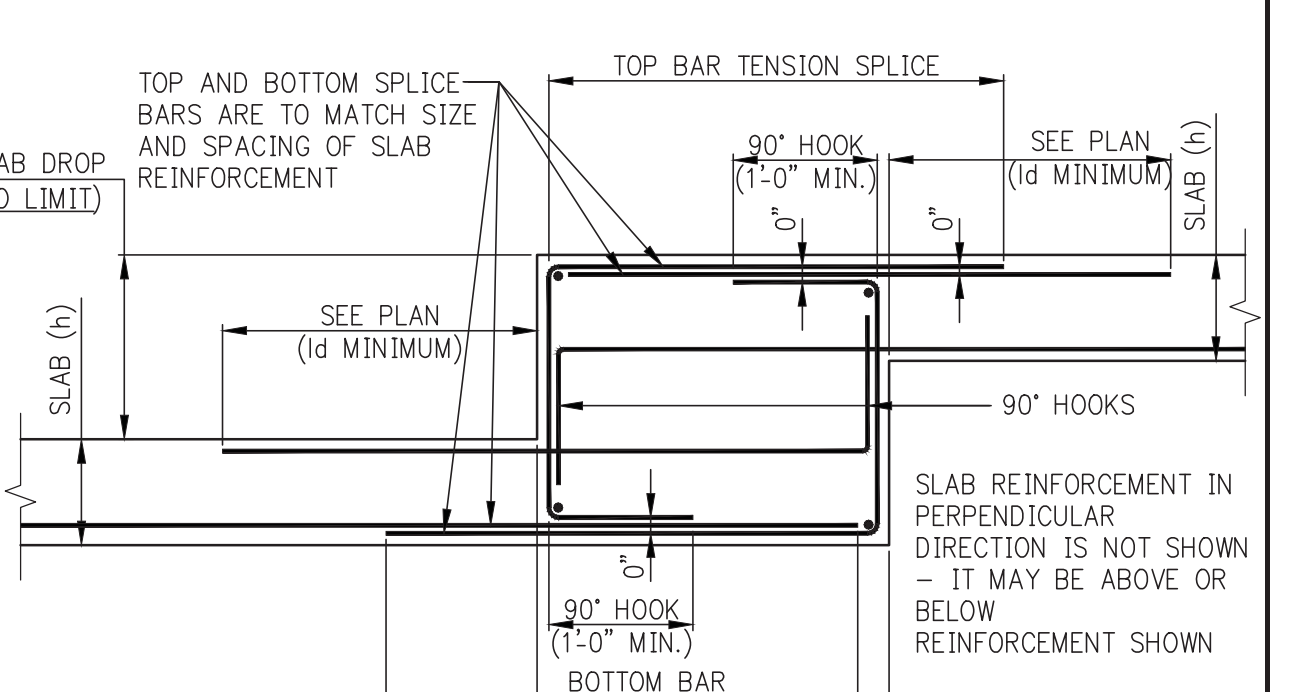


DROP IN TOP OF SLAB

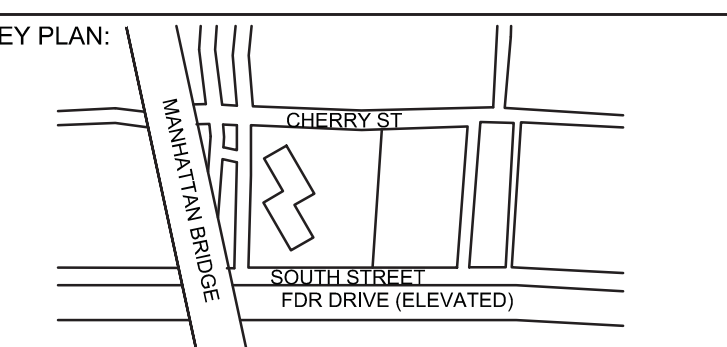


DROP IN TOP AND BOTTOM OF SLAB (DROP GREATER THAN 3")

| SLAB THICKNESS | WIDTH "W" |
|----------------|-----------|
| UP TO 8" | 2'-0" |
| 8" TO 10" | 2'-6" |
| OVER 10" | 3'-0" |



ALTERNATIVE DROP IN TOP AND BOTTOM OF SLAB (DROP GREATER THAN 3")



PROJECT NORTH
 TRUE NORTH

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ARCHITECT OF RECORD:
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 New York, NY 10005
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INTERIOR DESIGNER:
MEYER DAVIS
 180 Varick St, suite 404
 New York, NY 10014
 TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
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 TEL: 908-272-3300 FAX: 908-272-4440

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 21 Penn Plaza - 360 West 31st Street, 8th Floor
 New York, NY 10001
 TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
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| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | SOI DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 7 | DESIGN DEVELOPMENT | 10-07-14 |
| 8 | ISSUED FOR FOUNDATION BID | 01-07-15 |
| 9 | ISSUED FOR FILING | 02-13-15 |
| 10 | REVISED FND. PACKAGE | 02-27-15 |
| 11 | CONCRETE BID PACKAGE | 03-06-15 |
| 12 | ADDENDUM #6 | 06-03-15 |
| 13 | ISSUED FOR FILING | 07-28-15 |

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CONSULTANT:

PROJECT:
250 SOUTH STREET
 NEW YORK, NY

DRAWING TITLE:
TYPICAL FOUNDATION DETAILS 5

SEAL & SIGNATURE:

 DATE: 07/29/14
 PROJECT No: 1302510
 DRAWN: CADD REV: CL
 CHK: SCALE: N.T.S.
 DWG No: **FO-204.00**
 DOB PAGE No: of DOB B-SCAN:

Damian Titus
 Buildings
 APPROVED
 Under Directive 2 of 2015
 EXERCISING PROFESSIONAL JURISDICTION
 Date: 10/08/2015
 NYC Development Hub

TABLE #1: TENSION LAP SPlices (CLASS B MINIMUM)

Table with 2 columns: TABLE 1.A: 3/4" COVER TO OUTER LAYER BARS and TABLE 1.C: 1 1/2" COVER TO OUTER LAYER BARS. Rows include bar size and concrete strength (f'c).

Table with 2 columns: TABLE 1.B: 3/4" COVER TO OUTER LAYER BARS and TABLE 1.D: 1 1/2" COVER TO OUTER LAYER BARS. Rows include bar size and concrete strength (f'c).

TABLE #2: TENSION DEVELOPMENT LENGTHS (Ld) (IN INCHES)

Table with 2 columns: TABLE 2.A: 3/4" COVER TO OUTER LAYER BARS and TABLE 2.C: 1 1/2" COVER TO OUTER LAYER BARS. Rows include bar size and concrete strength (f'c).

Table with 2 columns: TABLE 2.B: 3/4" COVER TO OUTER LAYER BARS and TABLE 2.D: 1 1/2" COVER TO OUTER LAYER BARS. Rows include bar size and concrete strength (f'c).

TABLE #3: TENSION DEVELOPMENT LENGTHS FOR STANDARD END HOOKS (ldh)

Table with 2 columns: BAR SIZE and CONCRETE STRENGTH (PSI). Rows include bar sizes #3 through #18.

NOTES: 1. TABLE 3 CONFORMS TO ACI 318-2002 (AND 2005). TABULATED VALUES ARE BASED UPON ACI 12.5.2... 2. PER ACI 12.5.3 (a), FOR #11 AND SMALLER BARS...

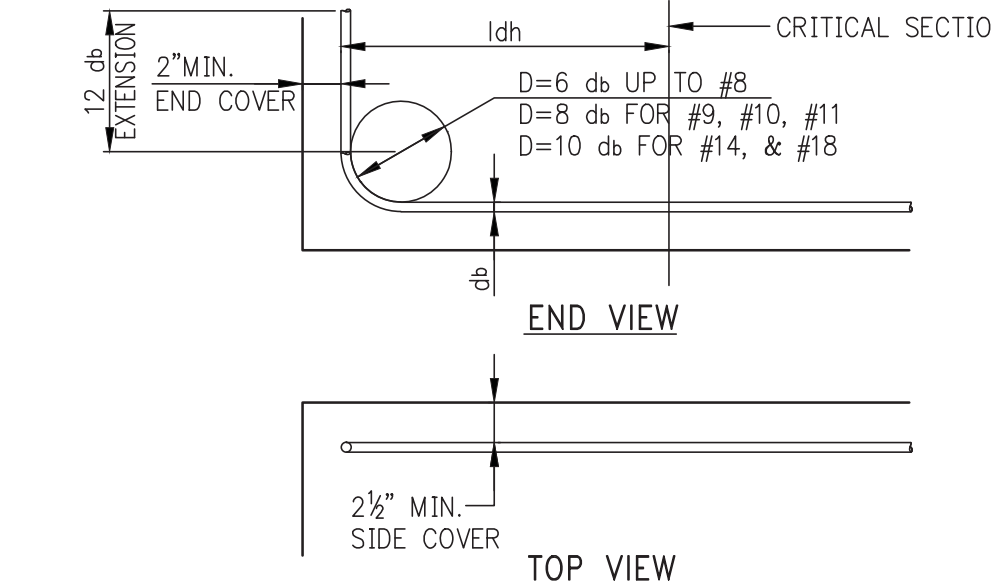


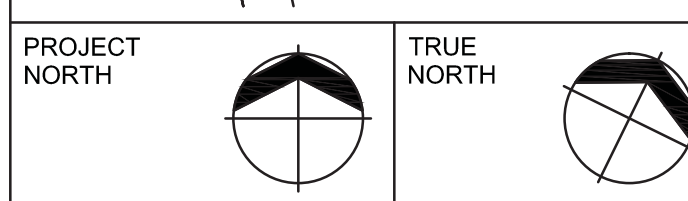
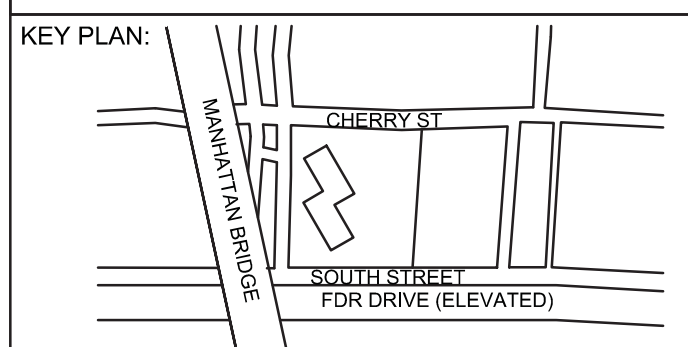
TABLE #4: COMPRESSION LAP SPICES (LENGTHS IN INCHES)

Table with 2 columns: BAR SIZE and GRADE OF REINFORCEMENT. Rows include bar sizes #3 through #18.

NOTES: 1. LAP SPICES ARE NOT PERMITTED... 2. LAP SPICES OF #14 AND #18 BARS TO #11 AND SMALLER BARS ARE PERMITTED... 3. FOR BARS OF DIFFERENT SIZE, USE LARGER OF: SPLICE LENGTH OF SMALLER BAR...

TABLE #5: DEVELOPMENT LENGTHS FOR BARS IN COMPRESSION (LENGTHS IN INCHES)

Table with 3 columns: BAR SIZE, fy = 60,000 PSI, fy = 75,000 PSI, and fy = 80,000 PSI. Rows include bar sizes #3 through #18.



DEVELOPER: EXTCELL DEVELOPMENT COMPANY, 805 Third Ave, 7th Floor, New York, NY 10022

ARCHITECT OF RECORD: AAI ARCHITECTS, P.C., 14 Wall Street, 2nd Floor, New York, NY 10005

INTERIOR DESIGNER: MEYER DAVIS, 180 Varck St, suite 404, New York, NY 10014

LANDSCAPE DESIGNER: WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C., 333 Hudson Street, Suite 905, New York, NY 10013

STRUCTURAL ENGINEERS: WSP, 228 East 45th Street, New York, NY 10017

MEP ENGINEERS: ICOR ASSOCIATES, LLC, 485 C Route 1 South, Suite 200, Iselin, NJ 08830

GEOTECHNICAL ENGINEERS: LANGAN ENGINEERING & ENVIRONMENTAL SERVICES, 21 Penn Plaza - 360 West 31st Street, 8th Floor, New York, NY 10001

Table with 3 columns: No., DESCRIPTION, and DATE. Lists project milestones from 04-28-14 to 07-28-15.

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT: WSP logo and name.

PROJECT: 250 SOUTH STREET NEW YORK, NY

DRAWING TITLE: TYPICAL FOUNDATION DETAILS 6

SEAL & SIGNATURE: Damian Titus, State of New York Professional Engineer No. 08527

DATE: 07/25/14, PROJECT No: 1302510, DRAWN: CADD, REV: CL, SCALE: N.T.S., DWG No: FO-205.00, DOB PAGE No: of

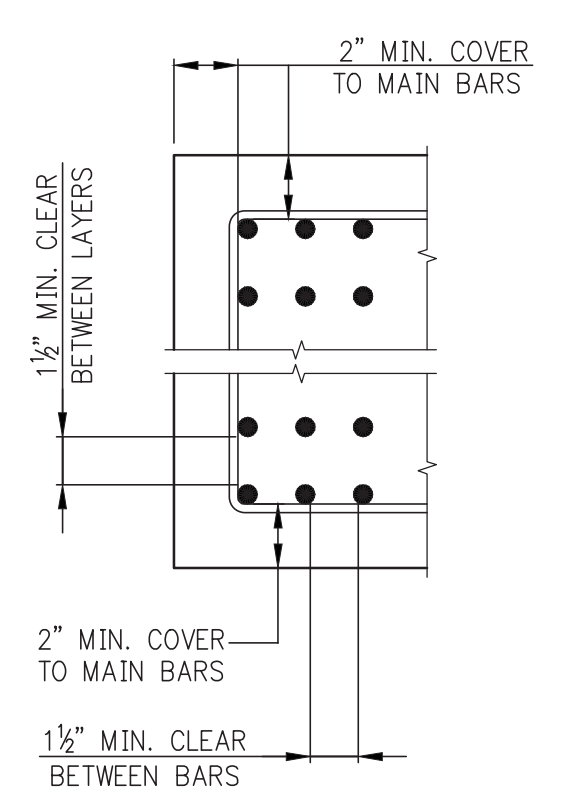
DOB EMPLOYEE STAMP: Damian Titus, Buildings, APPROVED Under Directive 2 of 2015, Date: 10/08/2015, NYC Development Hub

NOTES FOR TENSION LAP SPICES

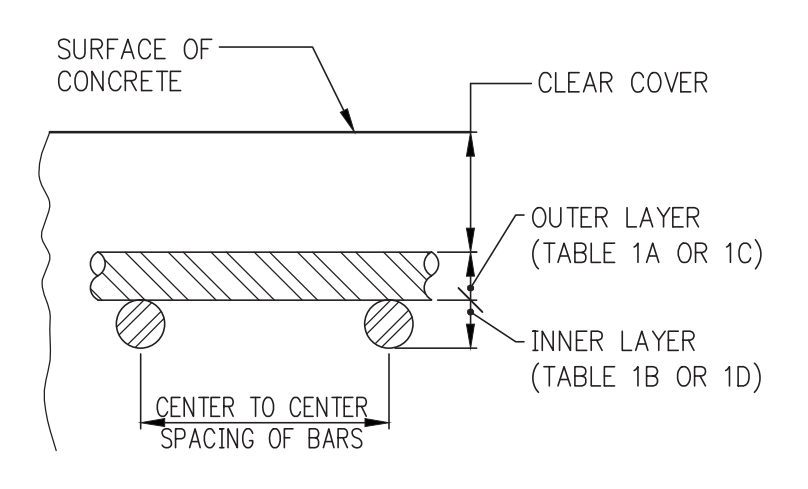
- 1. REINFORCEMENT IS UNCOATED, WITH Fy=60,000 PSI. 2. CONCRETE IS NORMAL WEIGHT (144-150#/C.F.). 3. FOR "TOP" BAR SPICE LENGTHS ("TOP" IS DEFINED BY ACI 318 AS HAVING MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE BAR)...

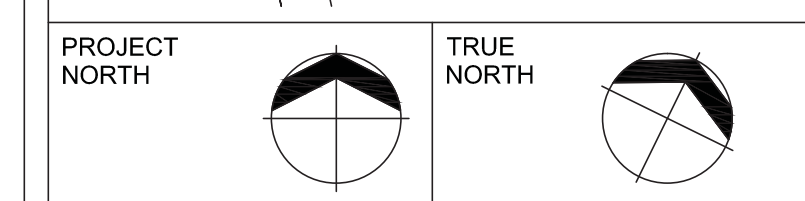
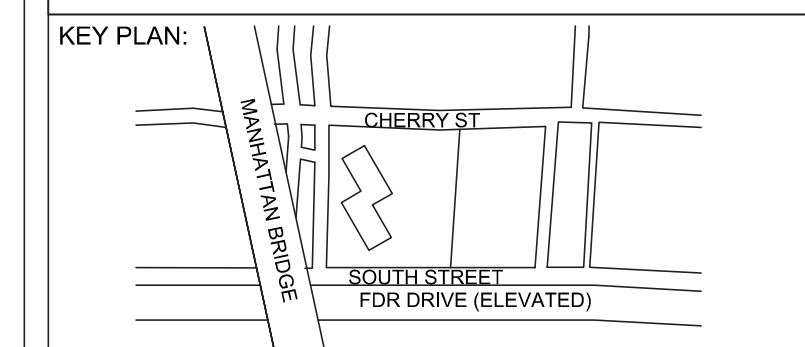
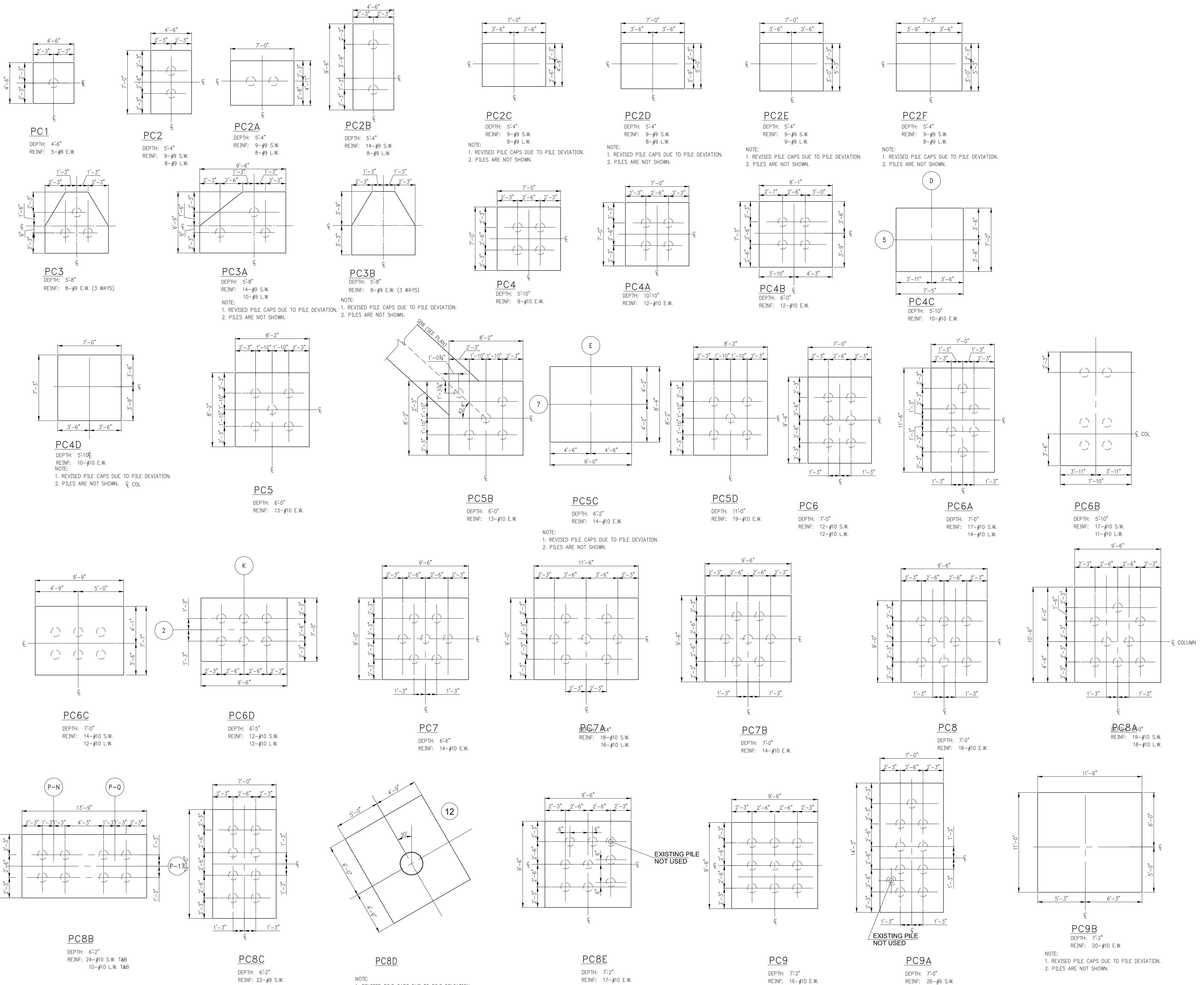
NOTES FOR TENSION DEVELOPMENT LENGTHS (Ld)

- 1. REINFORCEMENT IS UNCOATED, WITH Fy=60,000 PSI. 2. CONCRETE IS NORMAL WEIGHT (144-150#/C.F.). 3. FOR "TOP" BAR DEVELOPMENT LENGTHS ("TOP" IS DEFINED BY ACI 318 AS HAVING MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE BAR)...



MULTIPLE LAYERS: PROVIDE MINIMUM COVER AND CLEARANCES SHOWN, USE TABLE 1.A FOR LAP SPICE LENGTHS.





DEVELOPER:
EXTELL DEVELOPMENT COMPANY
 805 Third Ave, 7th Floor
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LANDSCAPE DESIGNER:
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MEP ENGINEERS:
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 Iselme, NJ 08830
 TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
 21 Penn Plaza - 360 West 31st Street, 8th Floor
 New York, NY 10001
 TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|-------------------|----------|
| 1 | ADDENDUM #4 | 04-24-15 |
| 2 | ADDENDUM #6 | 06-03-15 |
| 3 | ADDENDUM #7 | 06-17-15 |
| 4 | ADDENDUM #9 | 07-10-15 |
| 5 | ADDENDUM #10 | 07-22-15 |
| 6 | ISSUED FOR FILING | 07-28-15 |

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PROJECT:
**250 SOUTH STREET
 NEW YORK, NY**

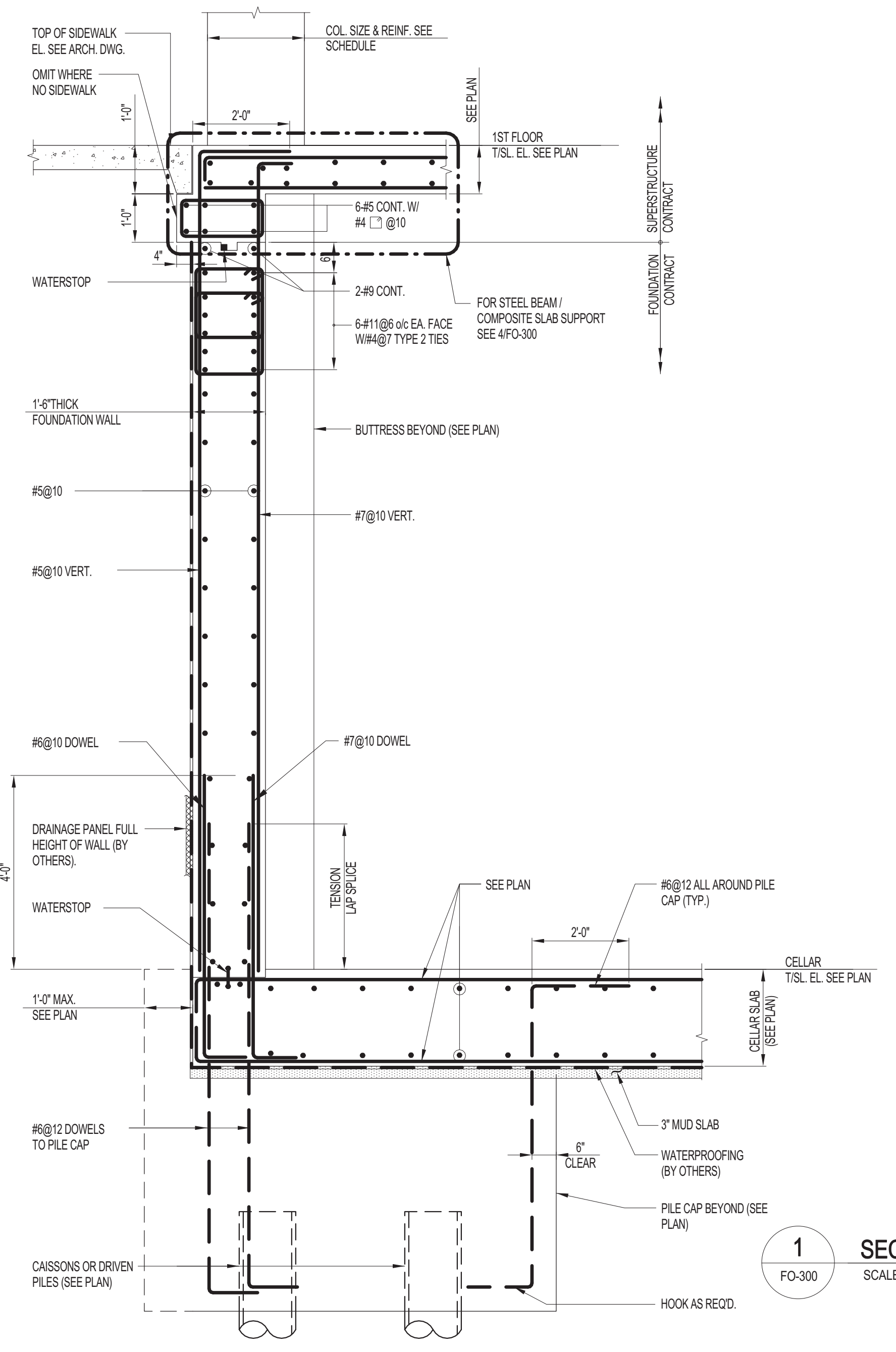
DRAWING TITLE:
**TYPICAL FOUNDATION
 DETAILS 7**

SEAL & SIGNATURE: [Signature] DATE: 07/29/14
 PROJECT No: 1302510
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 CHK: CL
 SCALE: AS SHOWN
 DWG No: **FO-206.00**
 DOB PAGE No: of DOB B-SCAN:

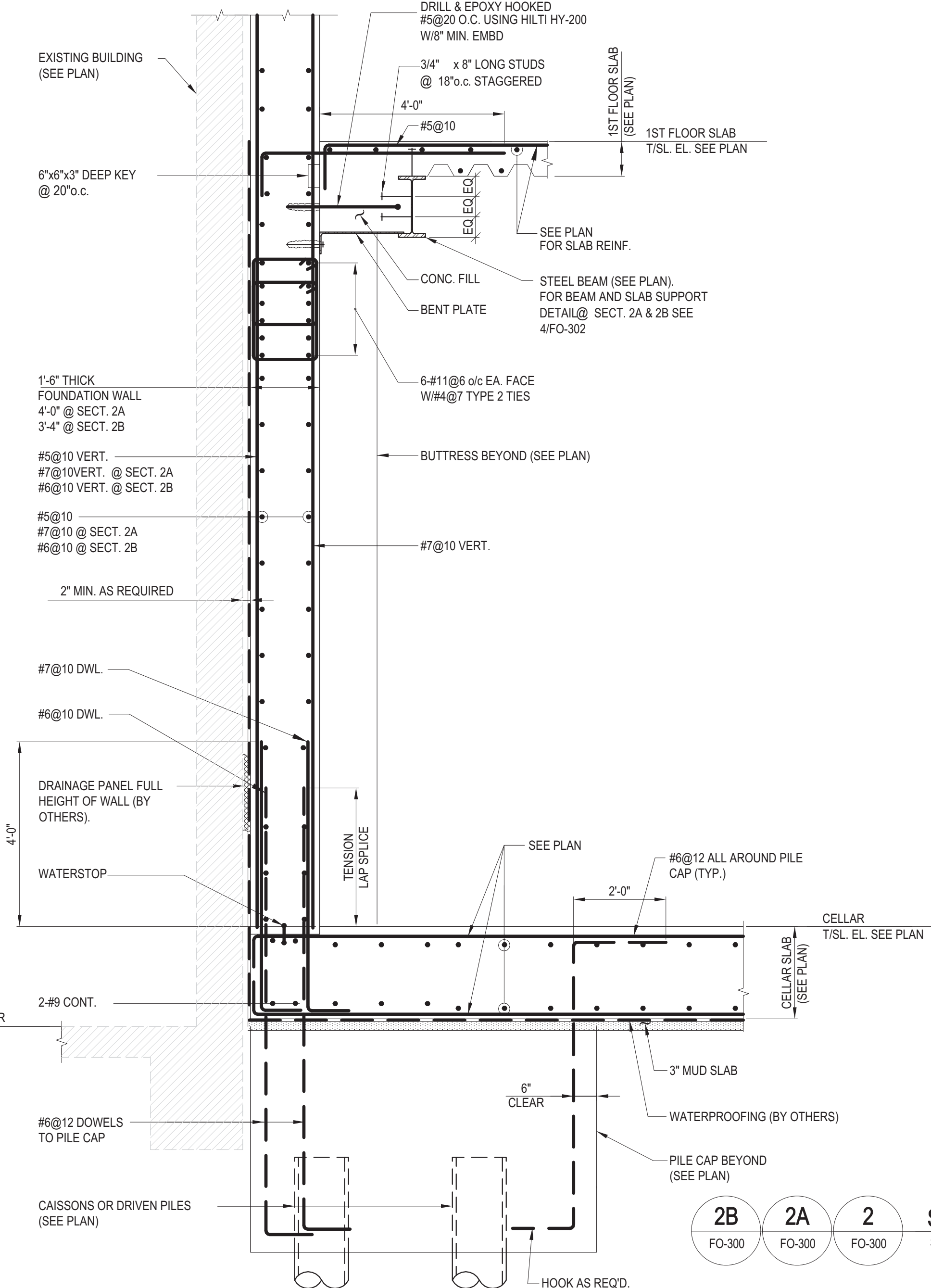
DOB EMPLOYEE STAMP: [Stamp]
 DOB B-SCAN: [Stamp]
 Damian Titus
 Buildings
 APPROVED
 Under Directive 2 of 2015
 DATE OF EXPIRATION
 Date: 10/08/2015
 NYC Development Hub

200 TON CAPACITY PILE CAP DETAILS

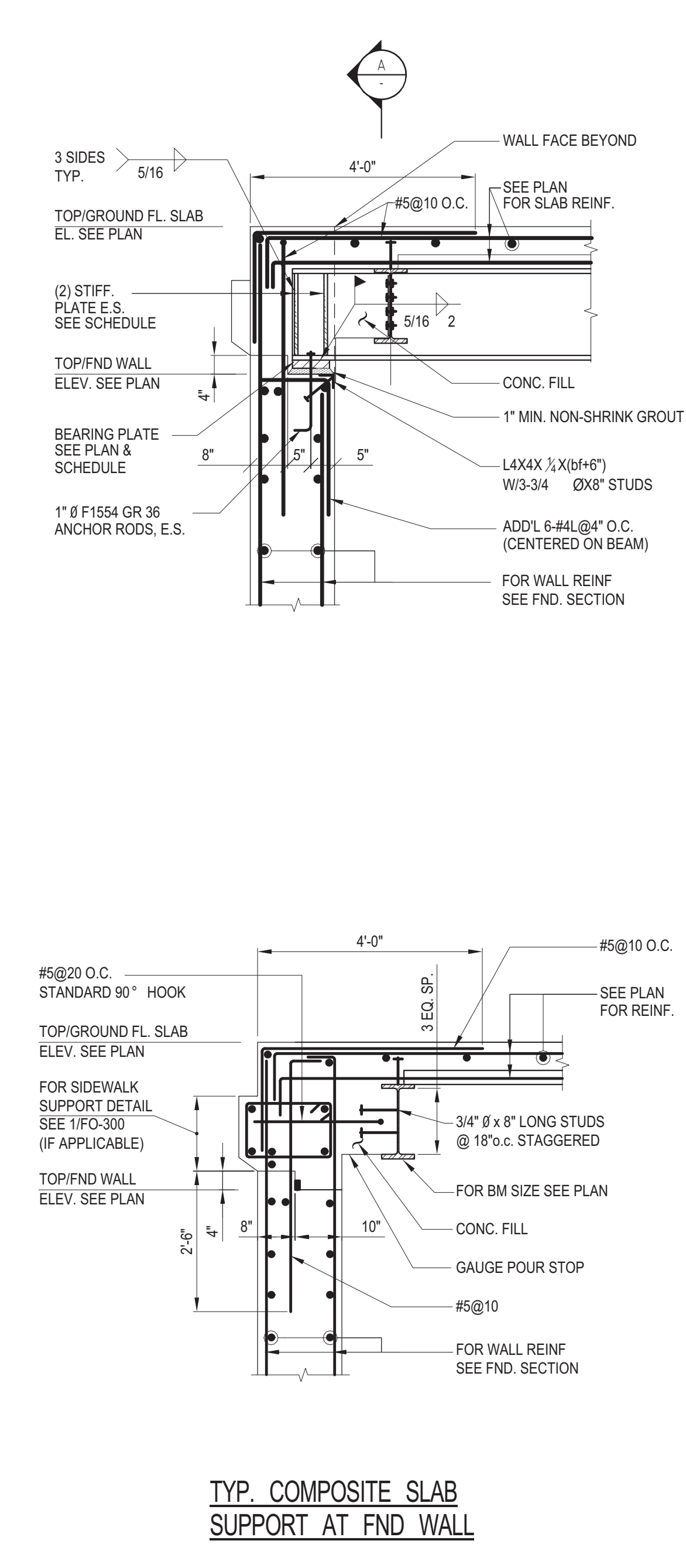
NOTE:
 1. ALL REINFORCEMENTS ARE BOTTOM REINFORCEMENT, WITH 90° HOOK U.O.N.
 2. FOR DETAIL OF PC45 SEE FO-103.



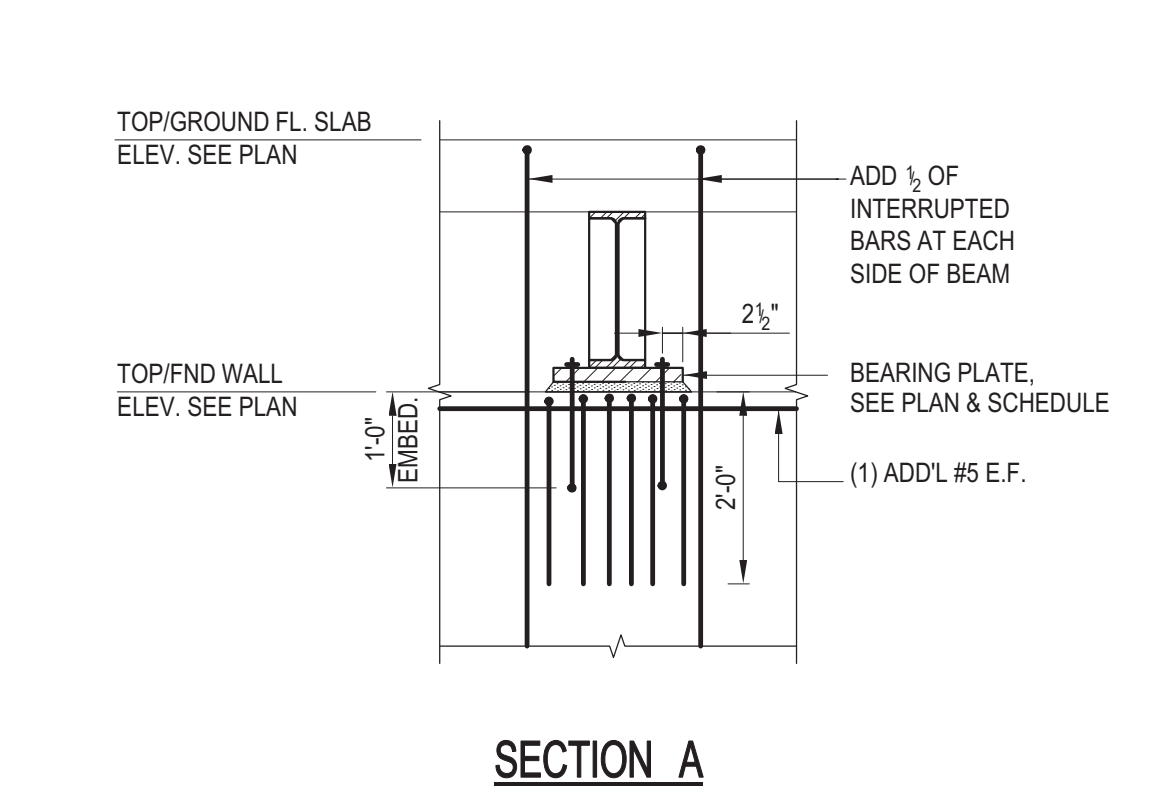
1 SECTION
 FO-300 SCALE: 1/2" = 1'-0"



2B SECTION
 FO-300 SCALE: 1/2" = 1'-0"



TYP. COMPOSITE SLAB SUPPORT AT FND WALL

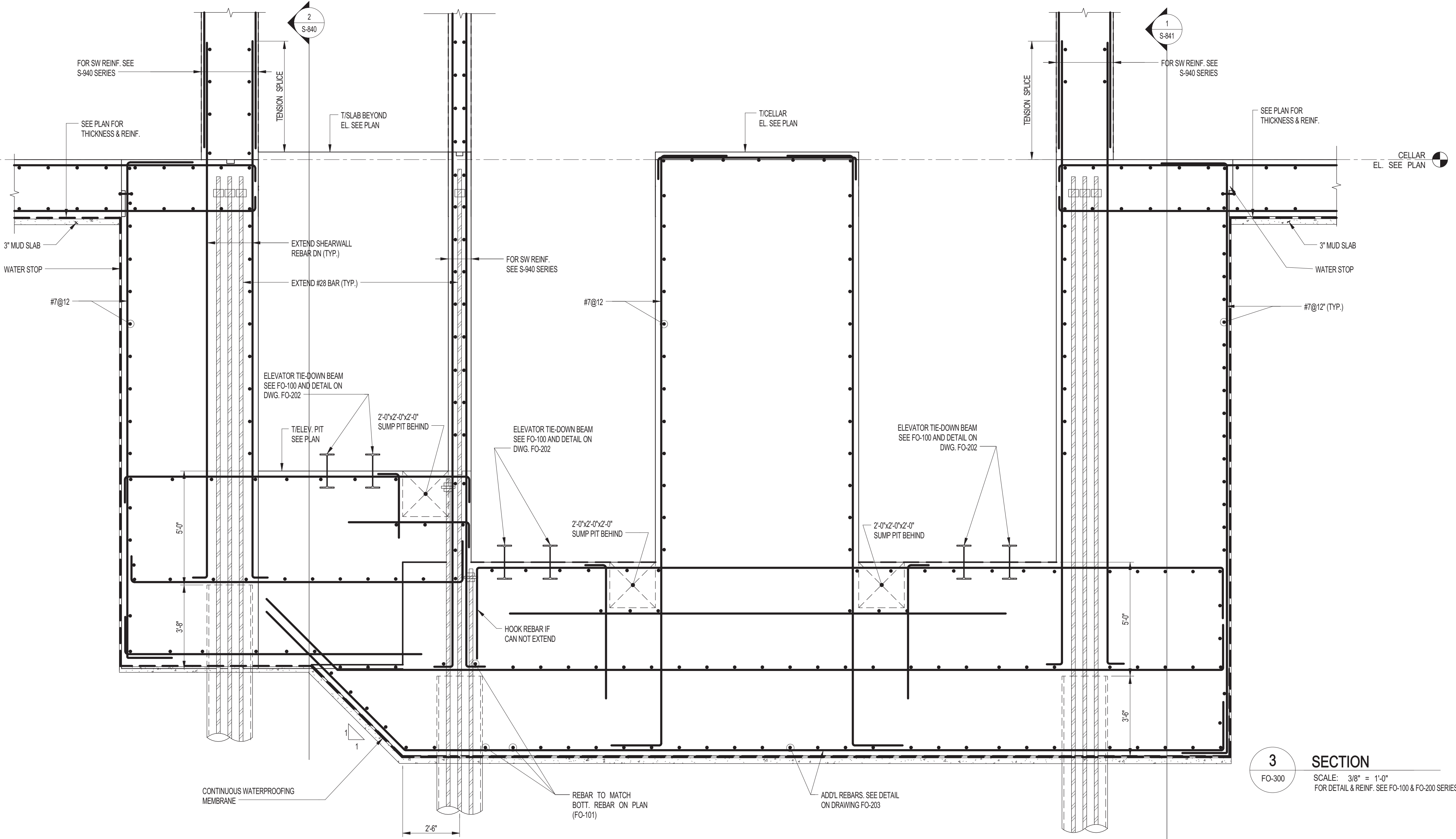


SECTION A

BEAM BEARING PLATE AND STIFFENER SCHEDULE

| PLATE/BM SIZE | PLATE SIZE (DxWxH) | STIFF PLATE THICKNESS |
|-----------------|--------------------|-----------------------|
| BP1 / W12 - W18 | 8"x16"x1 1/4" | 1/2" |
| BP2 / W18 - W30 | 8"x20"x1 3/4" | 3/4" |

4 TYPICAL STEEL BEAM SUPPORT AT FND. WALL
 FO-300 SCALE: 1/2" = 1'-0"



3 SECTION
 FO-300 SCALE: 3/8" = 1'-0"
 FOR DETAIL & REINF. SEE FO-100 & FO-200 SERIES DWGS.

KEY PLAN

PROJECT
 NORTH TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
 805 Third Ave, 7th Floor
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 TEL: 212-712-6000 FAX: 212-712-6100

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 21 Penn Plaza - 360 West 31st Street, 8th Floor
 New York, NY 10001
 TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | 50% SD | 02-28-14 |
| 2 | 100% SD | 04-25-14 |
| 3 | ISSUED FOR DOT | 04-28-14 |
| 4 | FOUNDATION FILING | 06-10-14 |
| 5 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 6 | 50% DD | 08-01-14 |
| 7 | ISSUED FOR DOT | 08-07-14 |
| 8 | ISSUED FOR FOUNDATION BID | 08-29-14 |
| 9 | DESIGN DEVELOPMENT | 10-07-14 |
| 10 | COORDINATION | 10-16-14 |
| 11 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 12 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 13 | ISSUED FOR FILING | 02-13-15 |
| 14 | CONCRETE BID PACKAGE | 03-06-15 |
| 15 | ADDENDUM #9 | 07-10-15 |
| 16 | ISSUED FOR FILING | 07-28-15 |

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ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:

PROJECT:
250 SOUTH STREET
 NEW YORK, NY

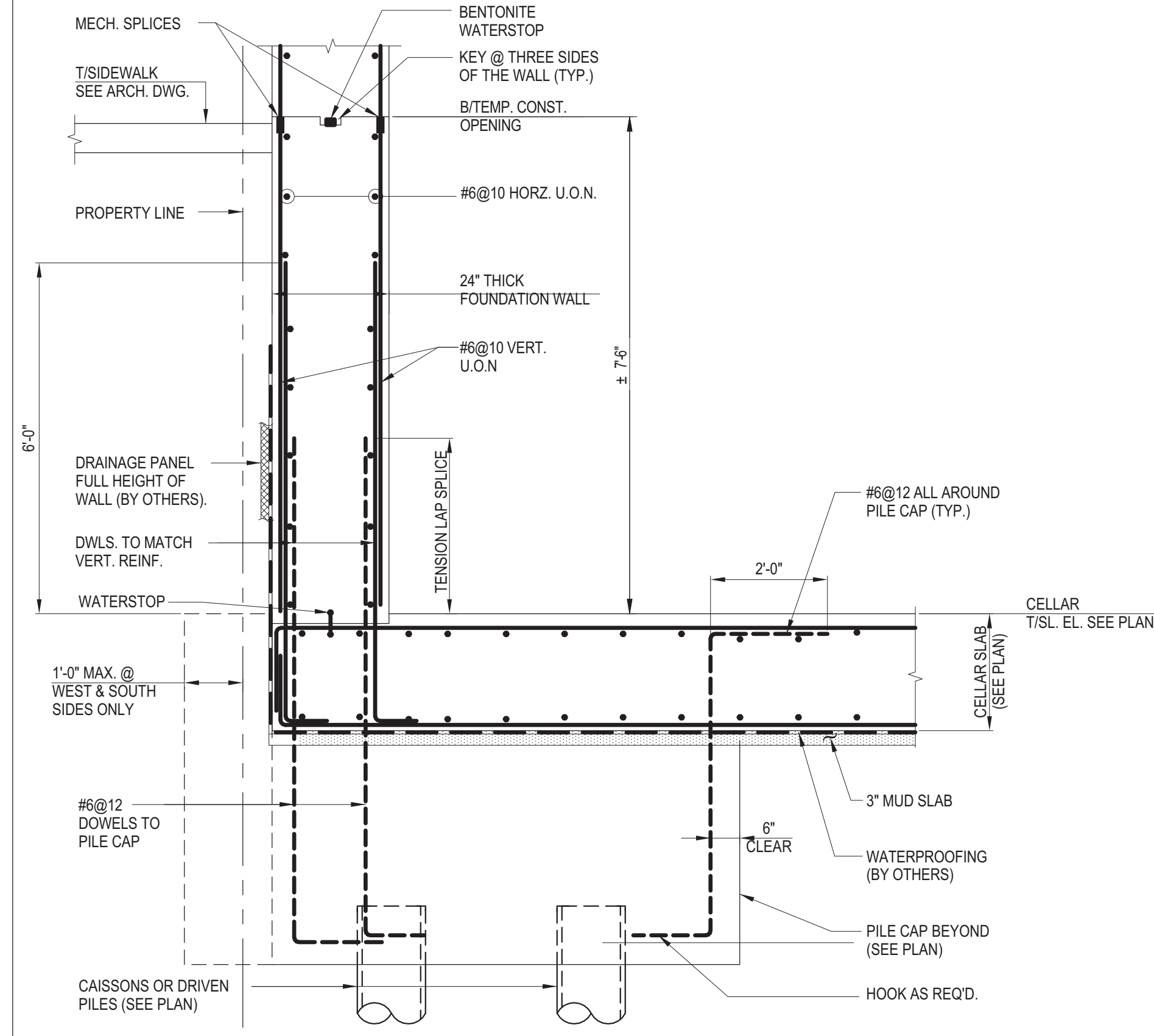
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FOUNDATION SECTIONS 1

SEAL & SIGNATURE: **DATE:** 02/28/14

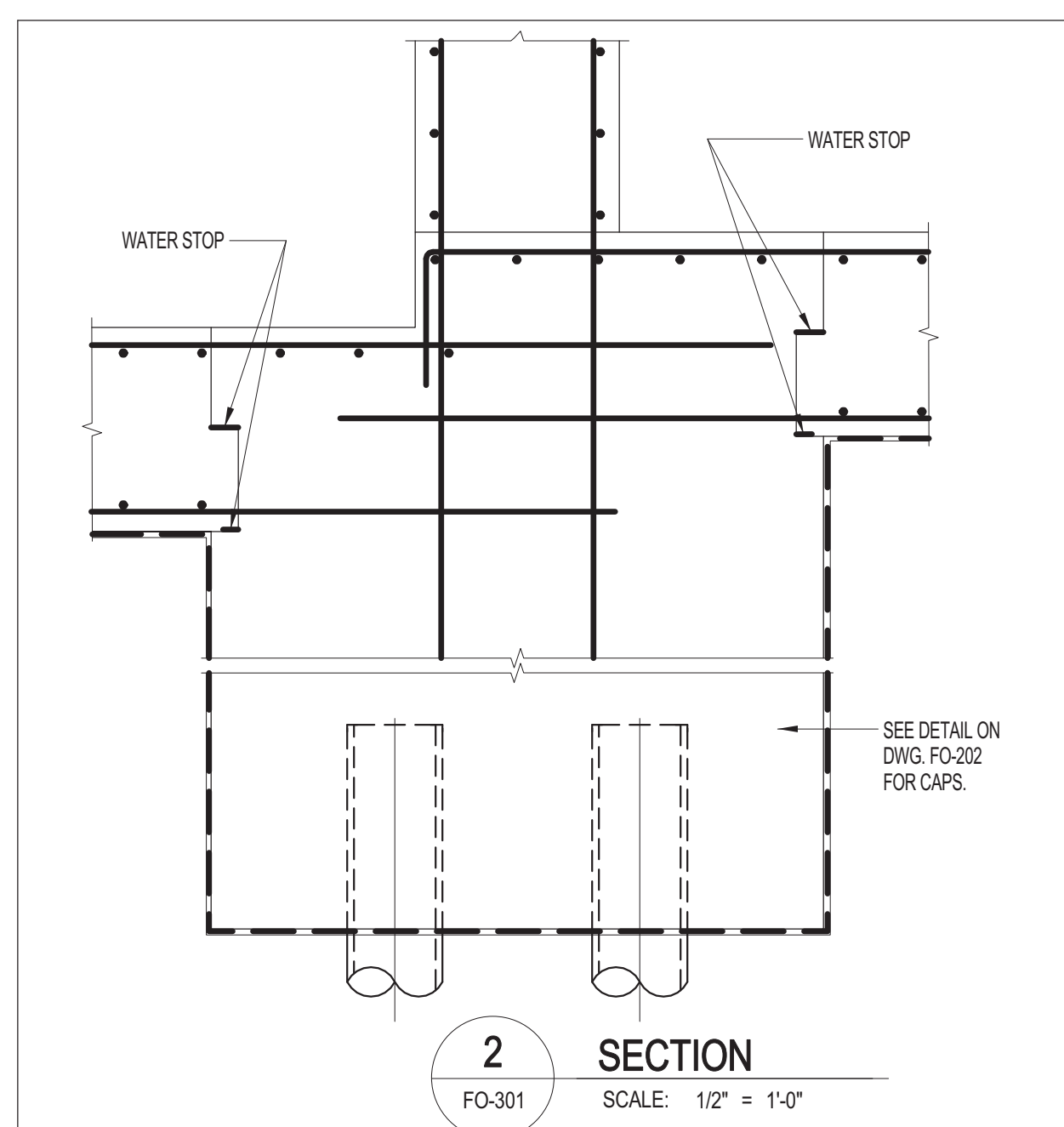
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DRAWN: CAD **REV:**
CHK: CL
SCALE:
DWG No: **FO-300.00**
DOB PAGE No: of

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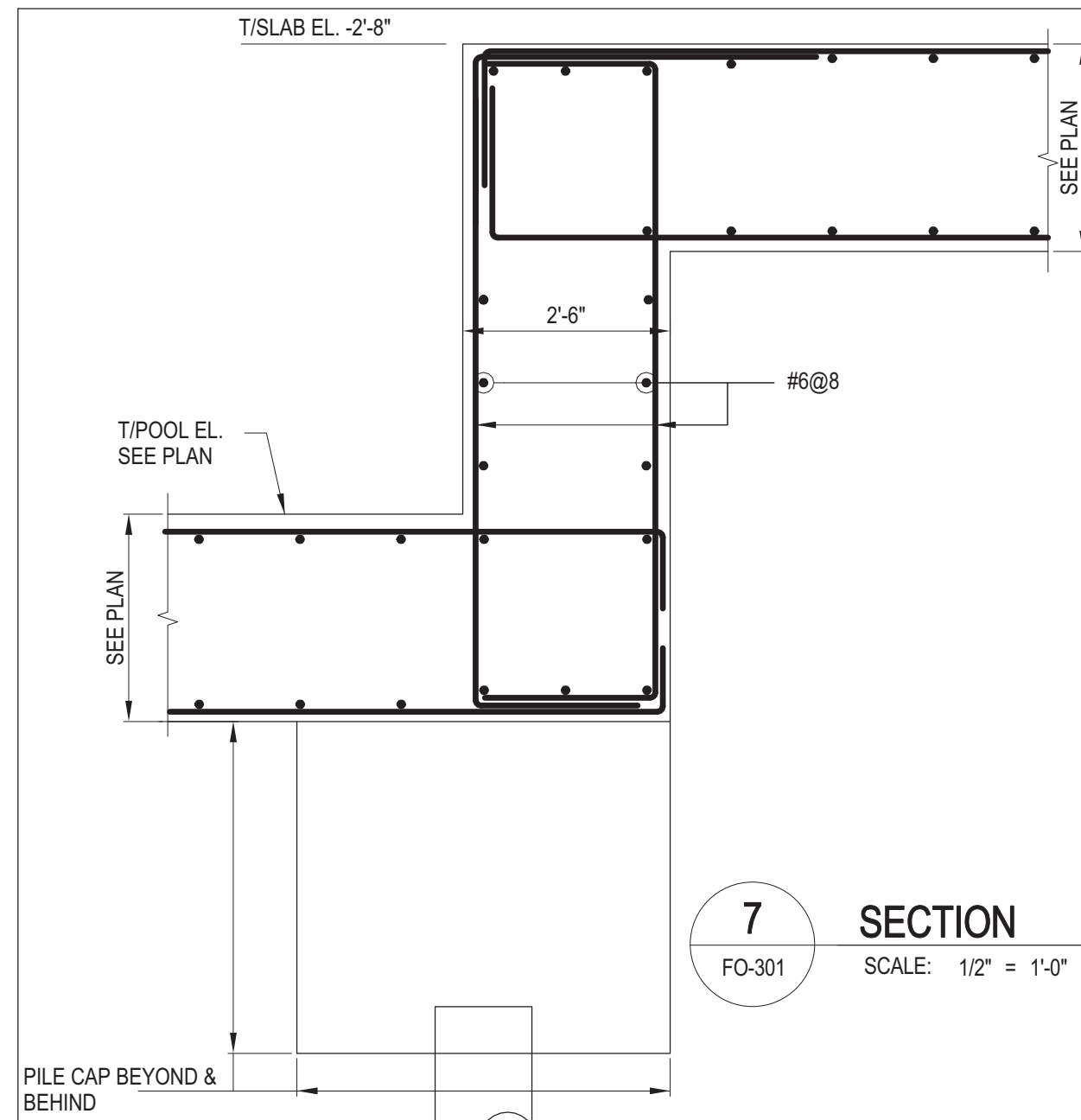
Damian Titus
 Buildings
 APPROVED
 Under Directive 2 of 2015
 EXERCISE OF PROFESSIONAL JUDGMENT
 Date: 10/08/2015
 NYC Development Hub



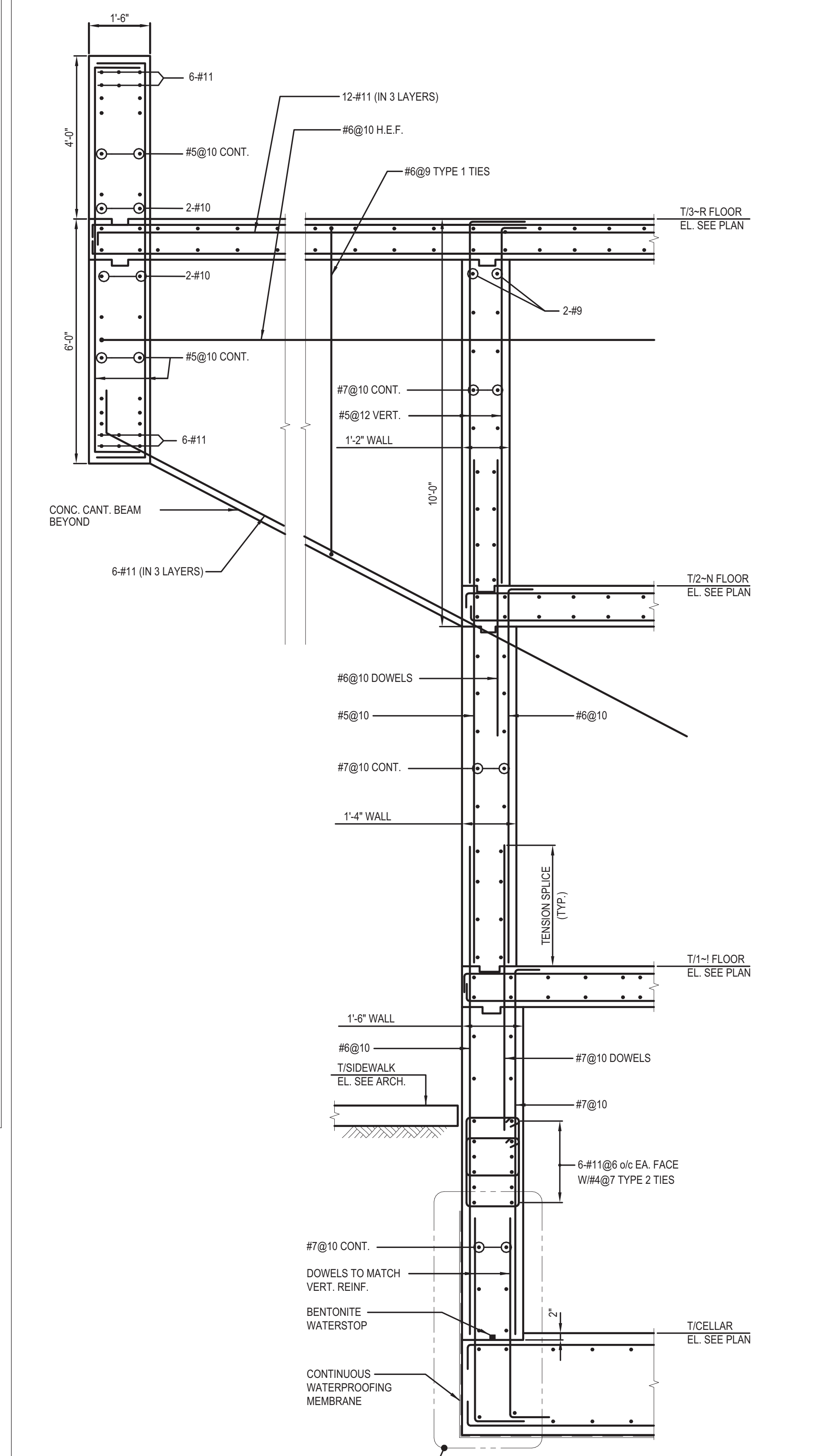
1 SECTION
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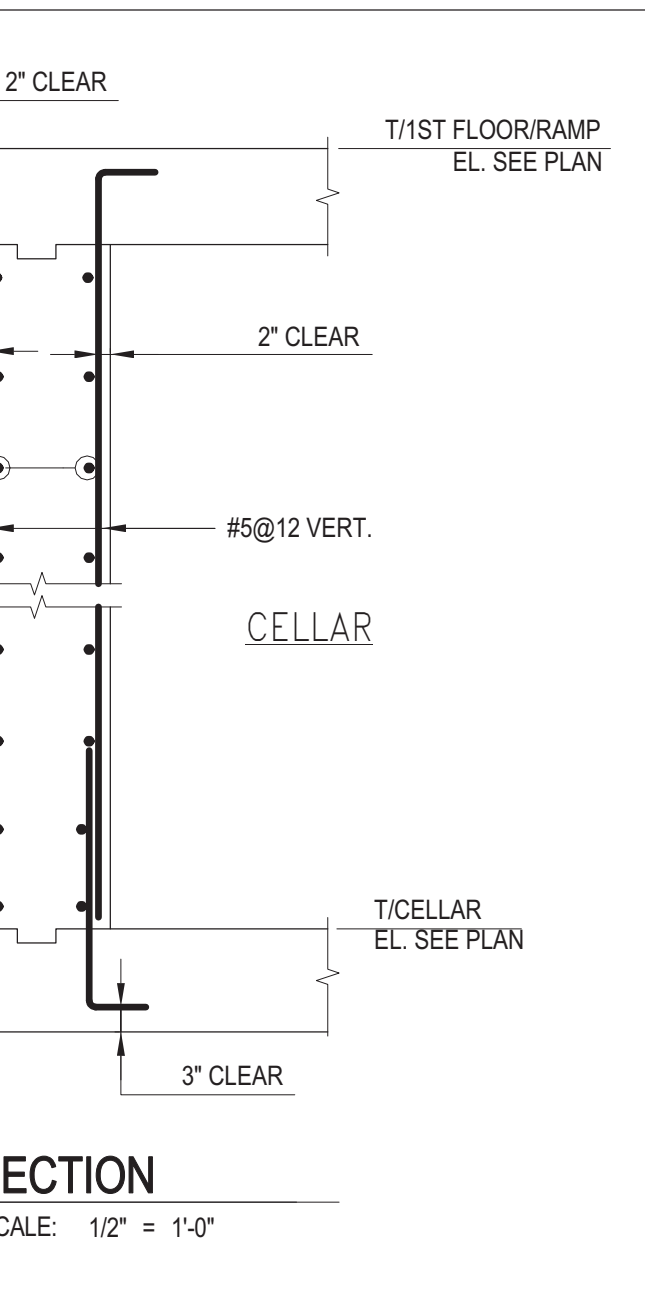
2 SECTION
FO-301 SCALE: 1/2" = 1'-0"



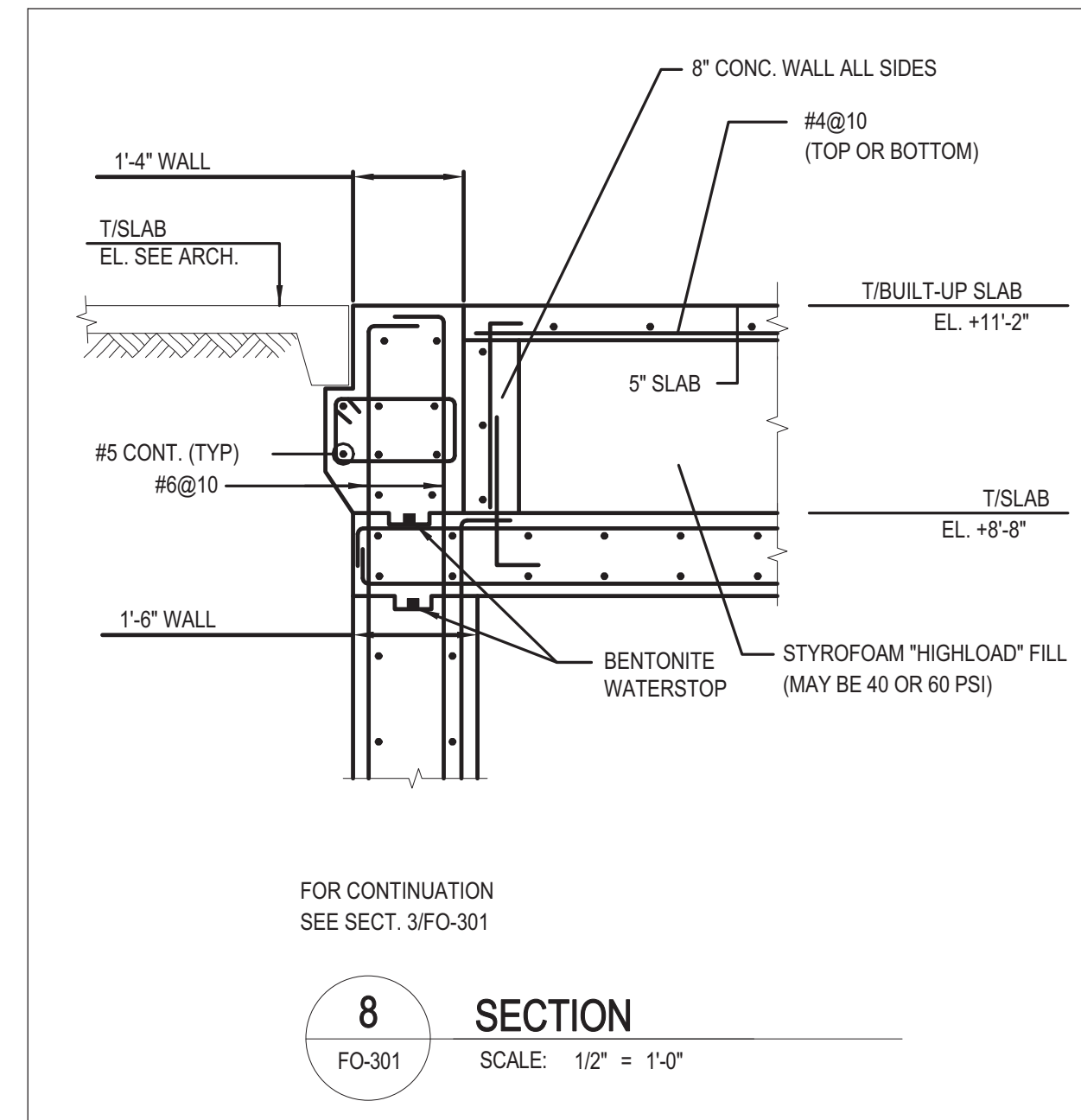
7 SECTION
FO-301 SCALE: 1/2" = 1'-0"



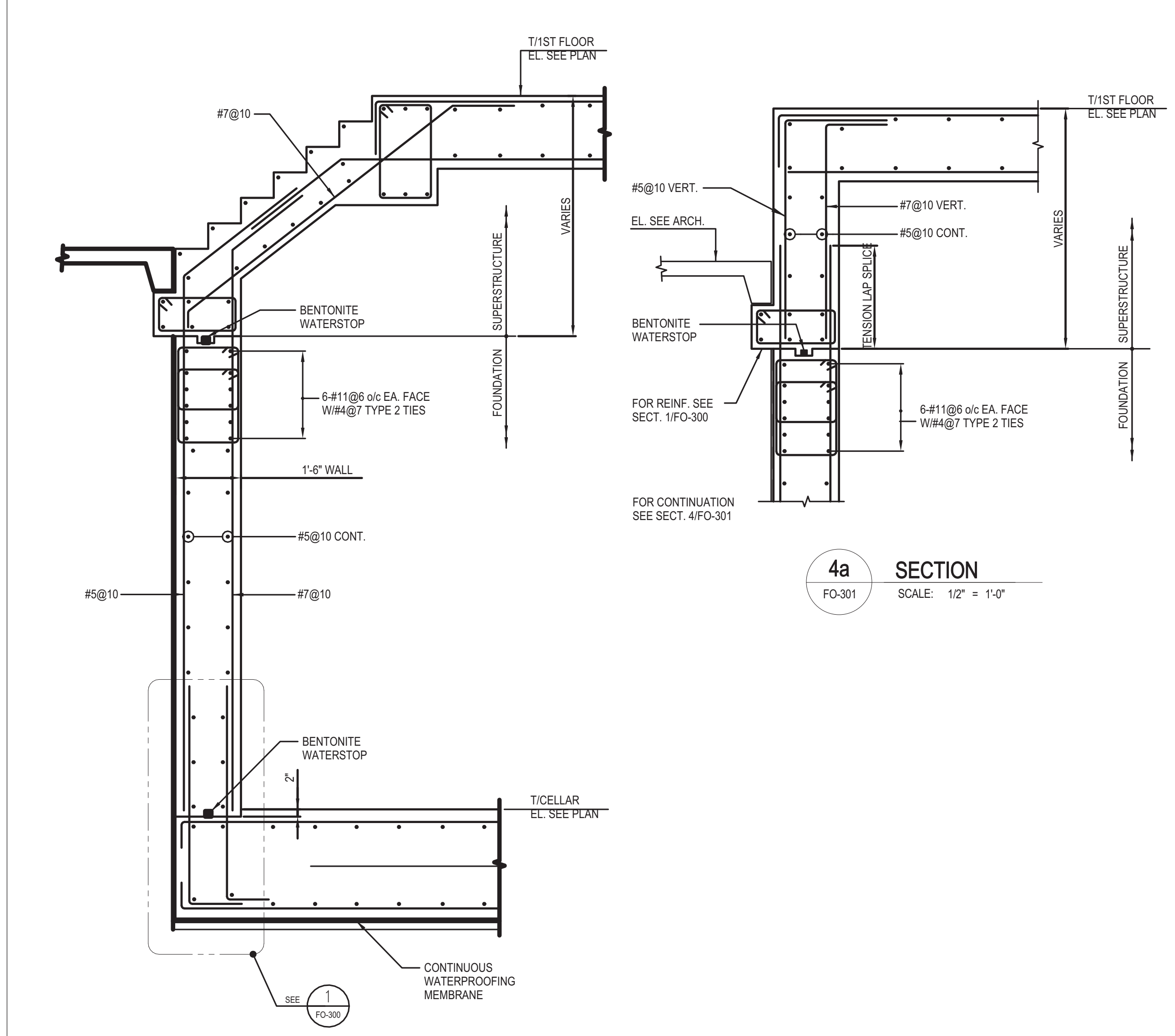
3 SECTION
FO-301 SCALE: 1/2" = 1'-0"



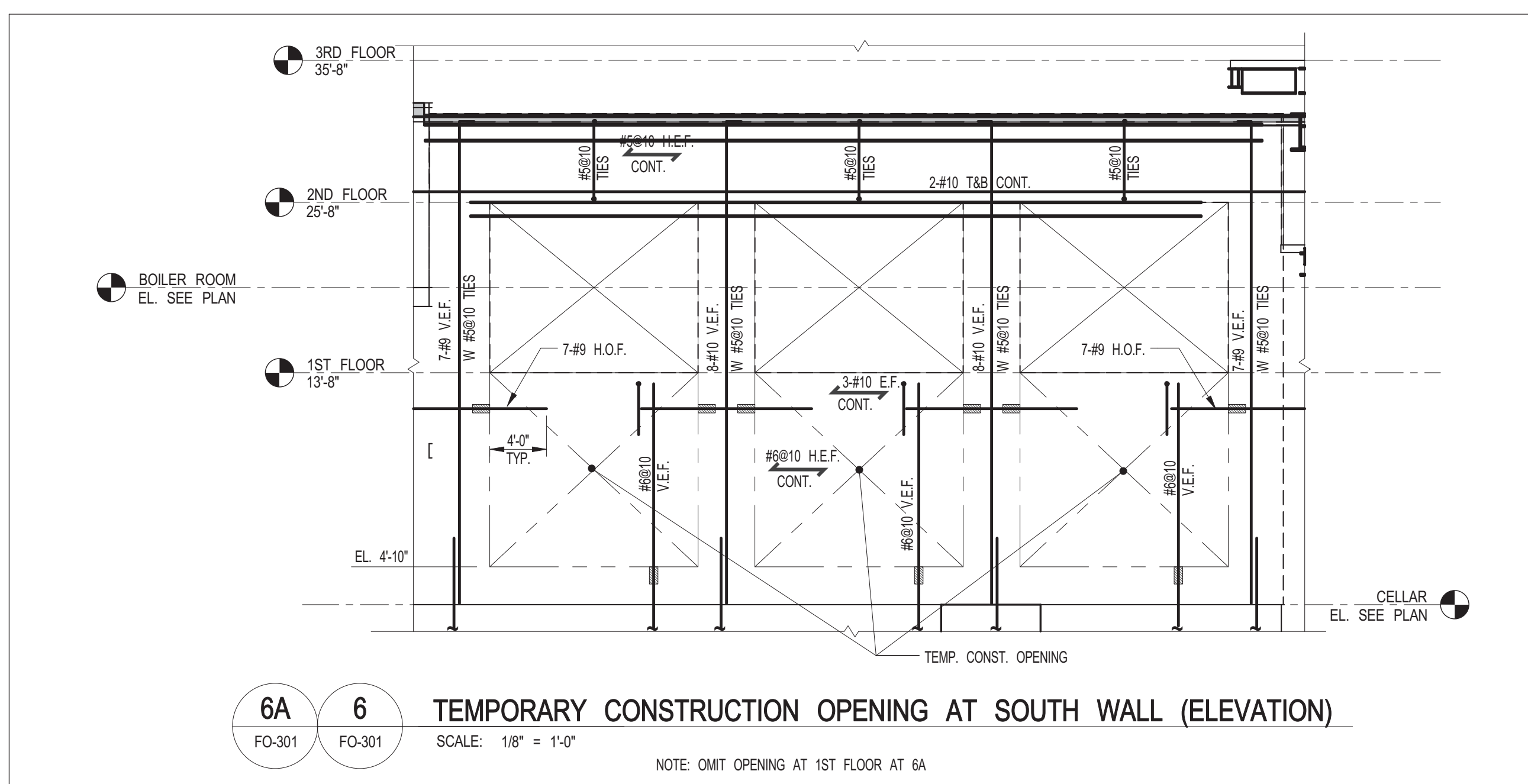
5 SECTION
FO-301 SCALE: 1/2" = 1'-0"



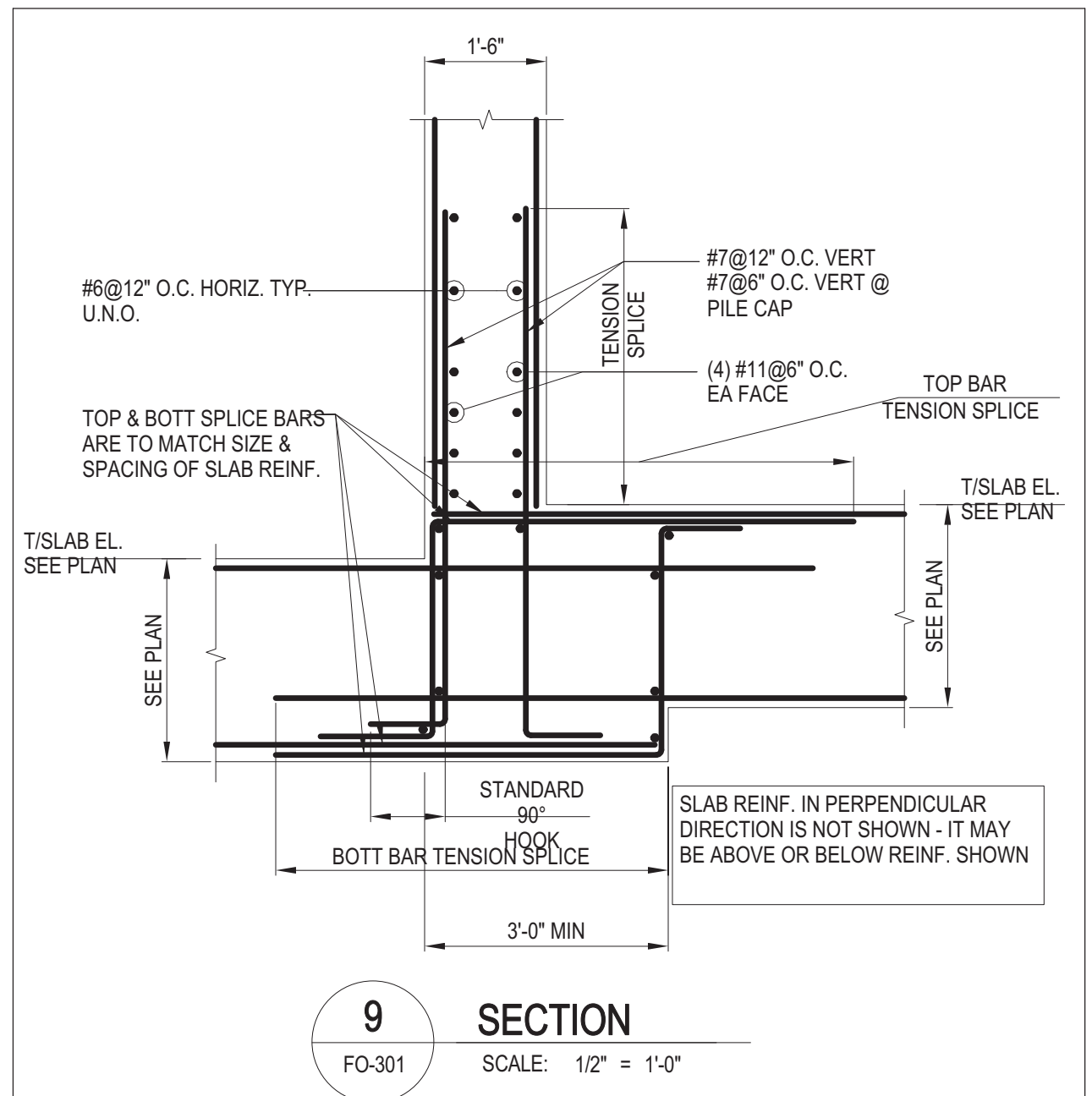
8 SECTION
FO-301 SCALE: 1/2" = 1'-0"



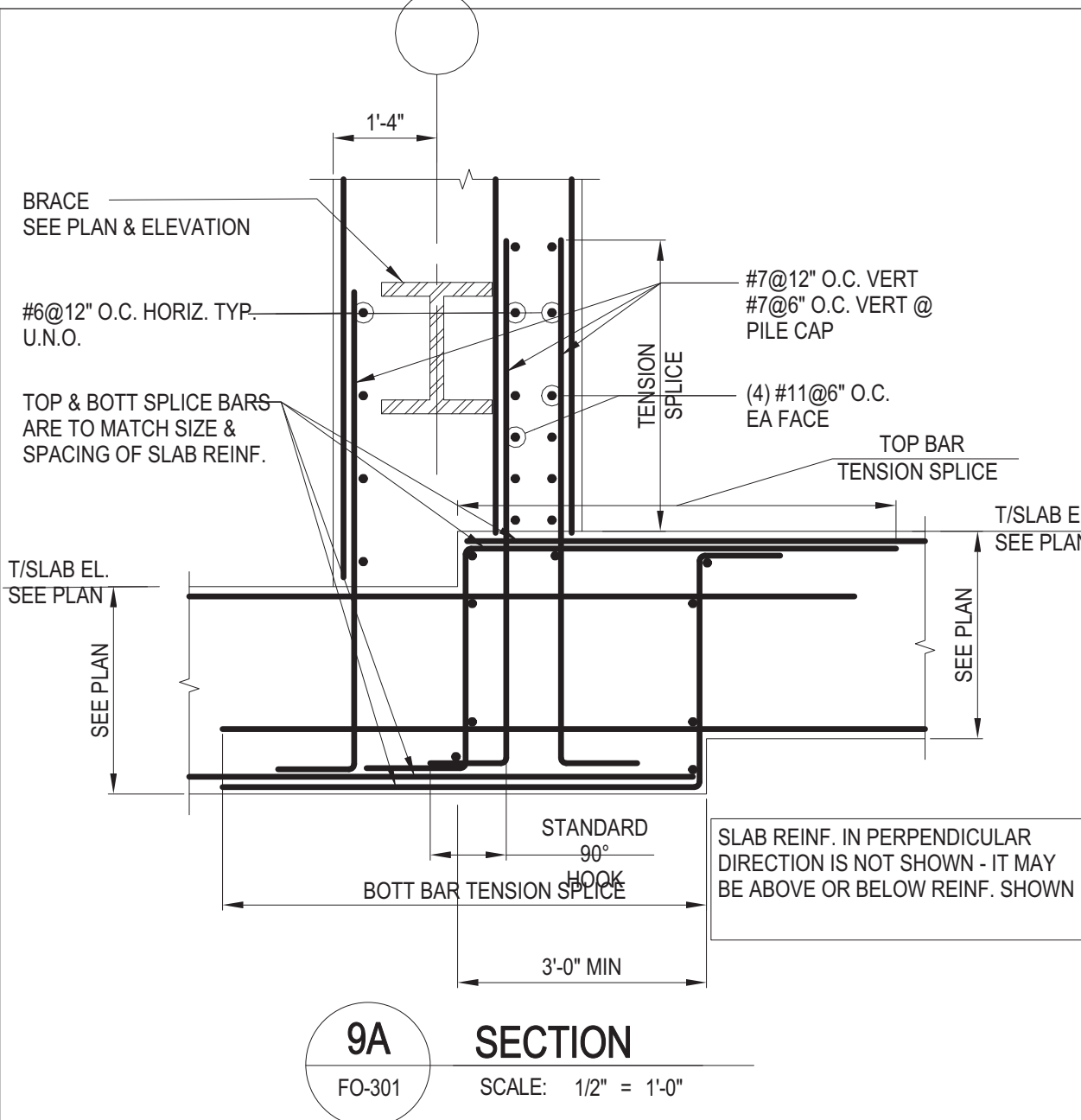
4 SECTION
FO-301 SCALE: 1/2" = 1'-0"



6A 6A 6 TEMPORARY CONSTRUCTION OPENING AT SOUTH WALL (ELEVATION)
FO-301 FO-301 SCALE: 1/8" = 1'-0"

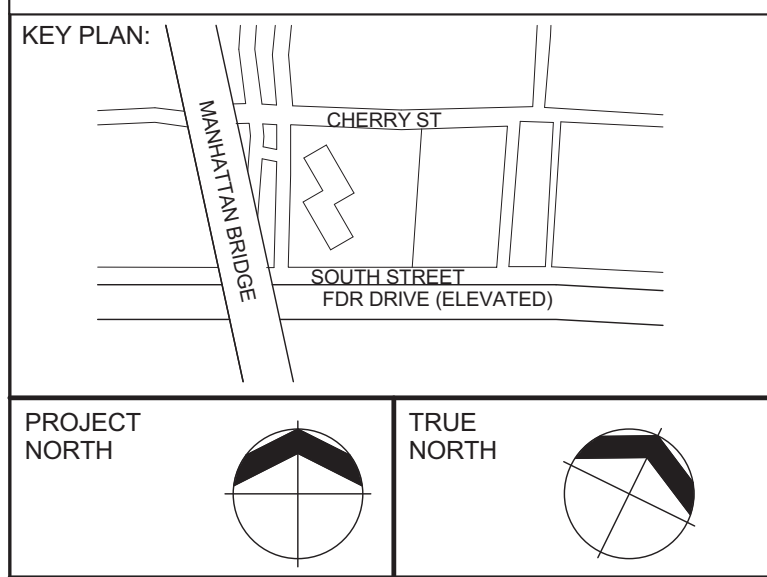


9 SECTION
FO-301 SCALE: 1/2" = 1'-0"



9A SECTION
FO-301 SCALE: 1/2" = 1'-0"

AT FOUNDATION WALLS



PROJECT NORTH TRUE NORTH

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805 Third Ave, 7th Floor
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LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|----------------------------|----------|
| 1 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 2 | DESIGN DEVELOPMENT | 10-07-14 |
| 3 | COORDINATION | 10-16-14 |
| 4 | ISSUED FOR FOUNDATION BID | 01-09-15 |
| 5 | REVISED FOUNDATION PACKAGE | 02-12-15 |
| 6 | ISSUED FOR FILING | 02-13-15 |
| 7 | CONCRETE BID PACKAGE | 03-06-15 |
| 8 | 50% CONSTRUCTION DOCUMENTS | 04-08-15 |
| 9 | ADDENDUM #6 | 06-03-15 |
| 10 | ISSUED FOR FILING | 07-28-15 |

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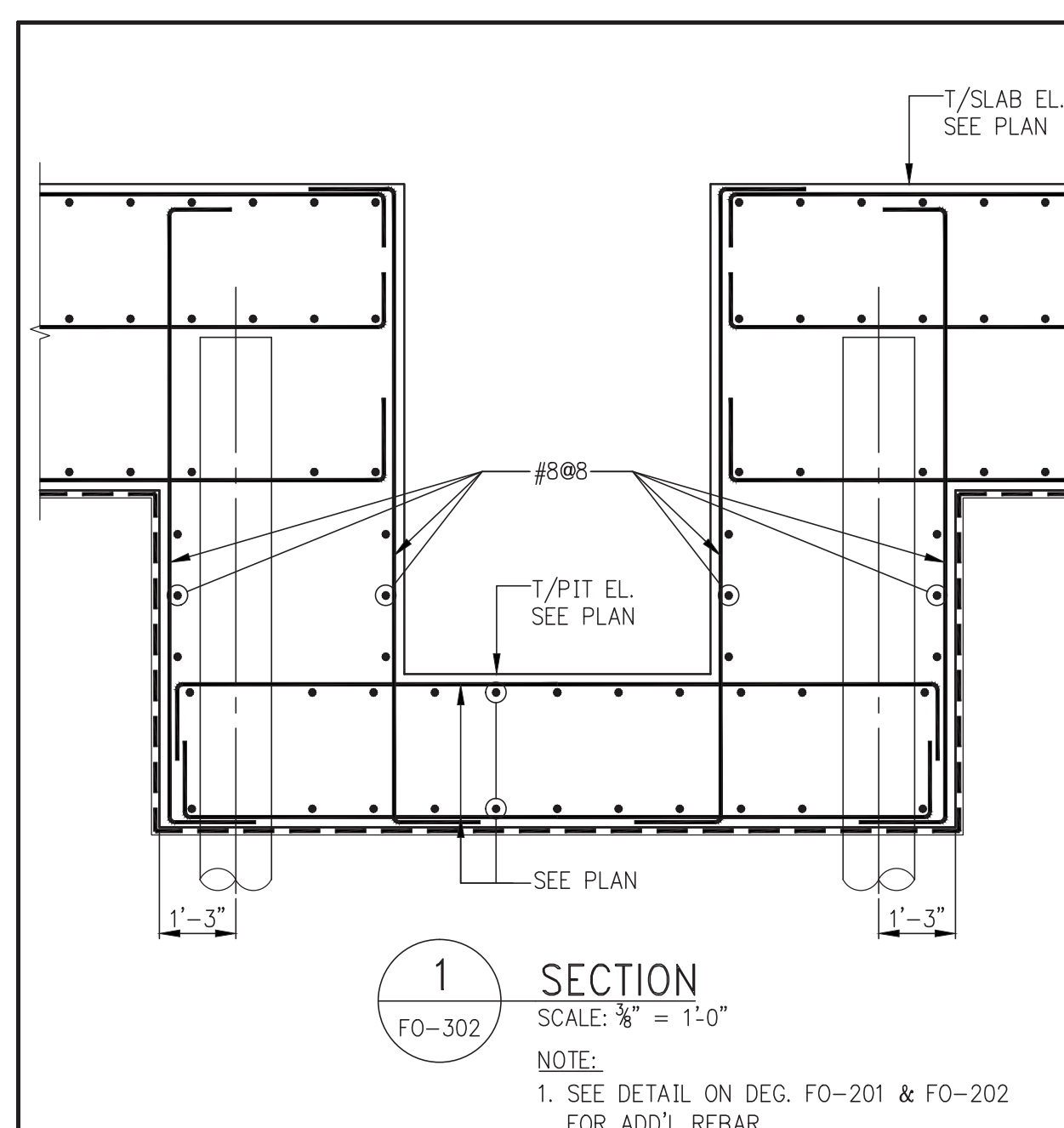
CONSULTANT:
WSP

PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

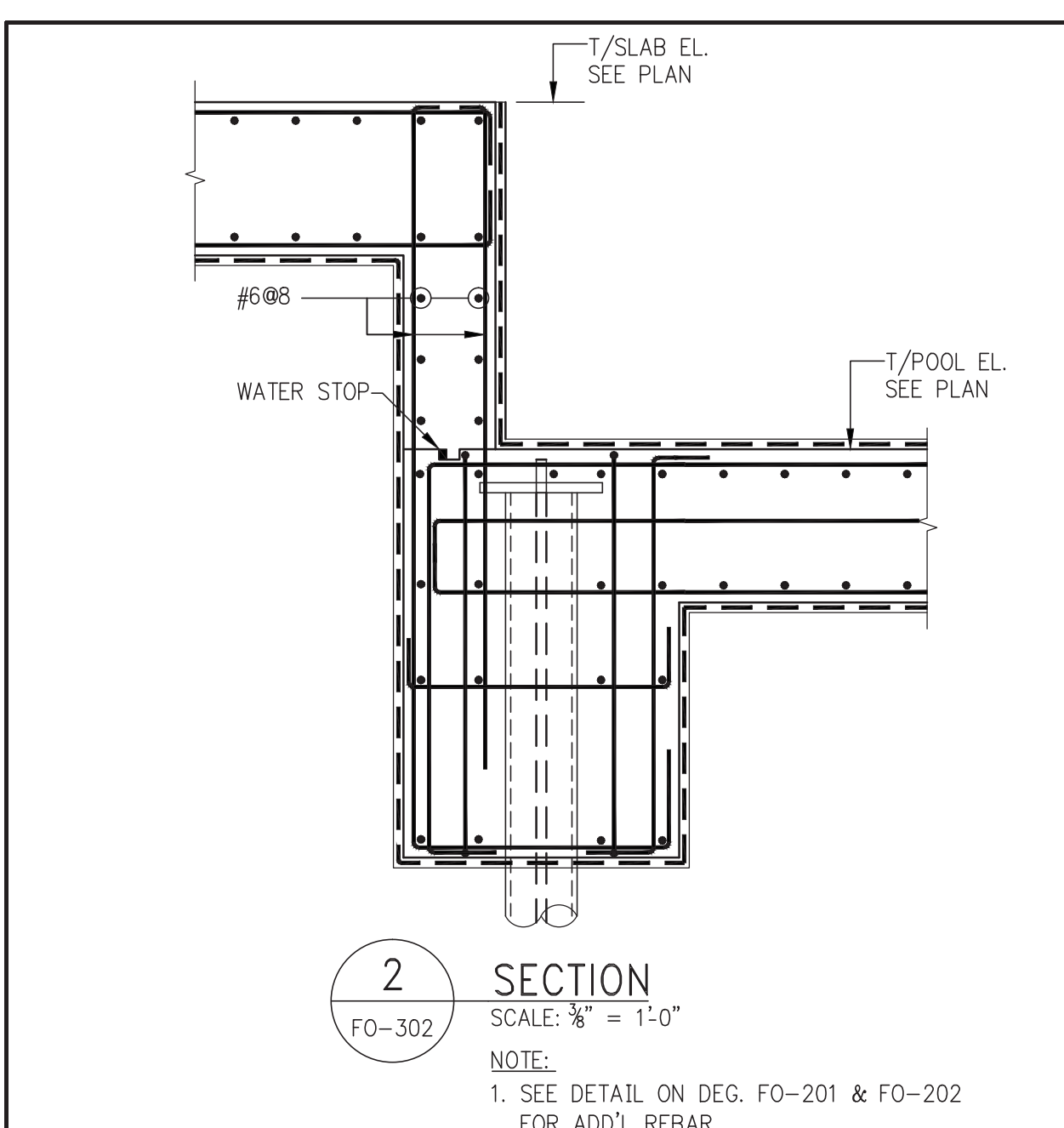
DRAWING TITLE:
FOUNDATION SECTIONS 2

SEAL & SIGNATURE: DATE: 08/06/14
PROJECT No: 1302510
DRAWN: CAD REV:
CHK: CL
SCALE: DWG No:
FO-301.00
DOB PAGE No: of
DOB EMPLOYEE STAMP: DOB B-SCAN:

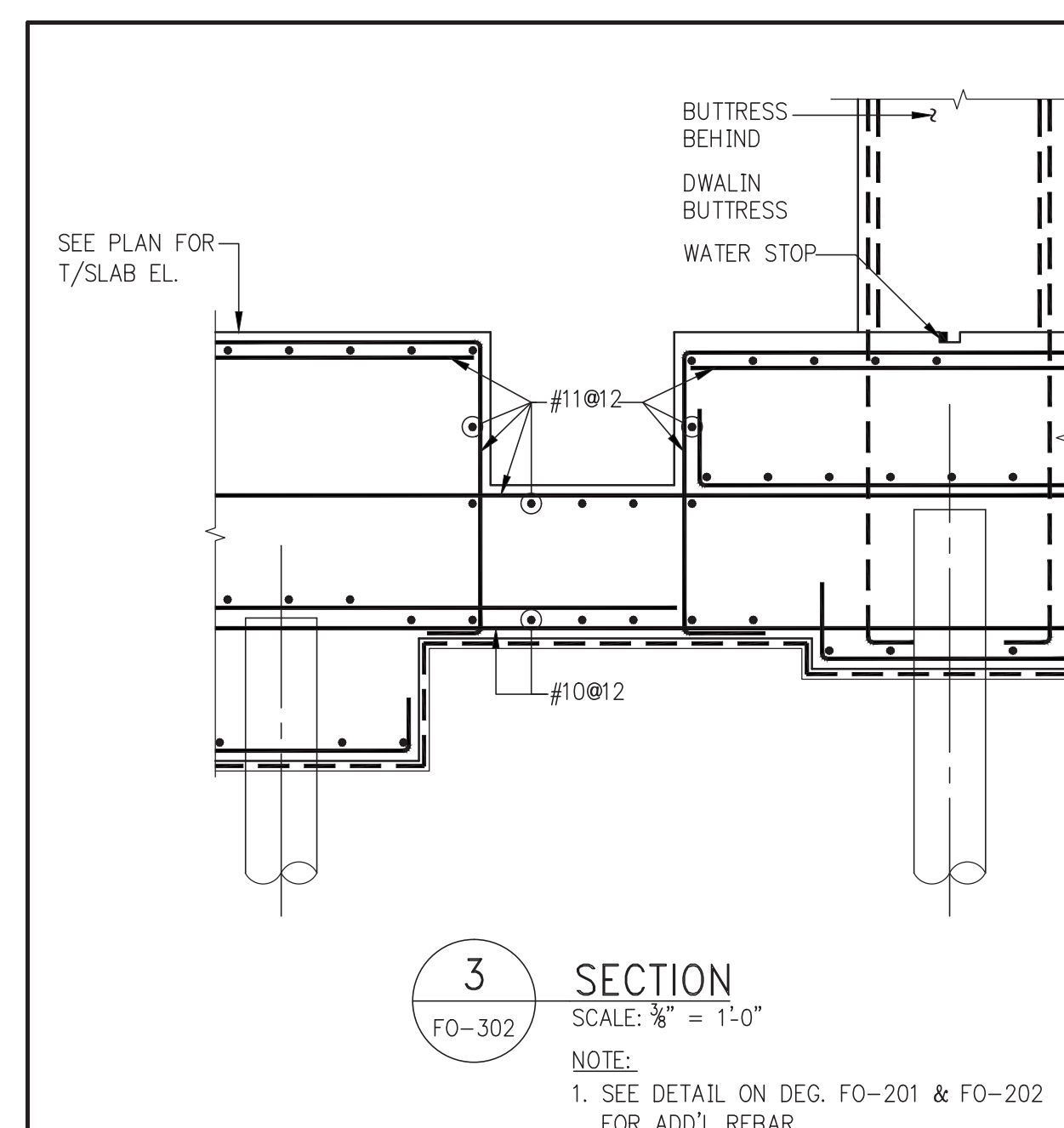
Damian Titus
Professional Engineer
APPROVED
Under Directive 2 of 2015
Date: 10/08/2015
NYC Development Hub



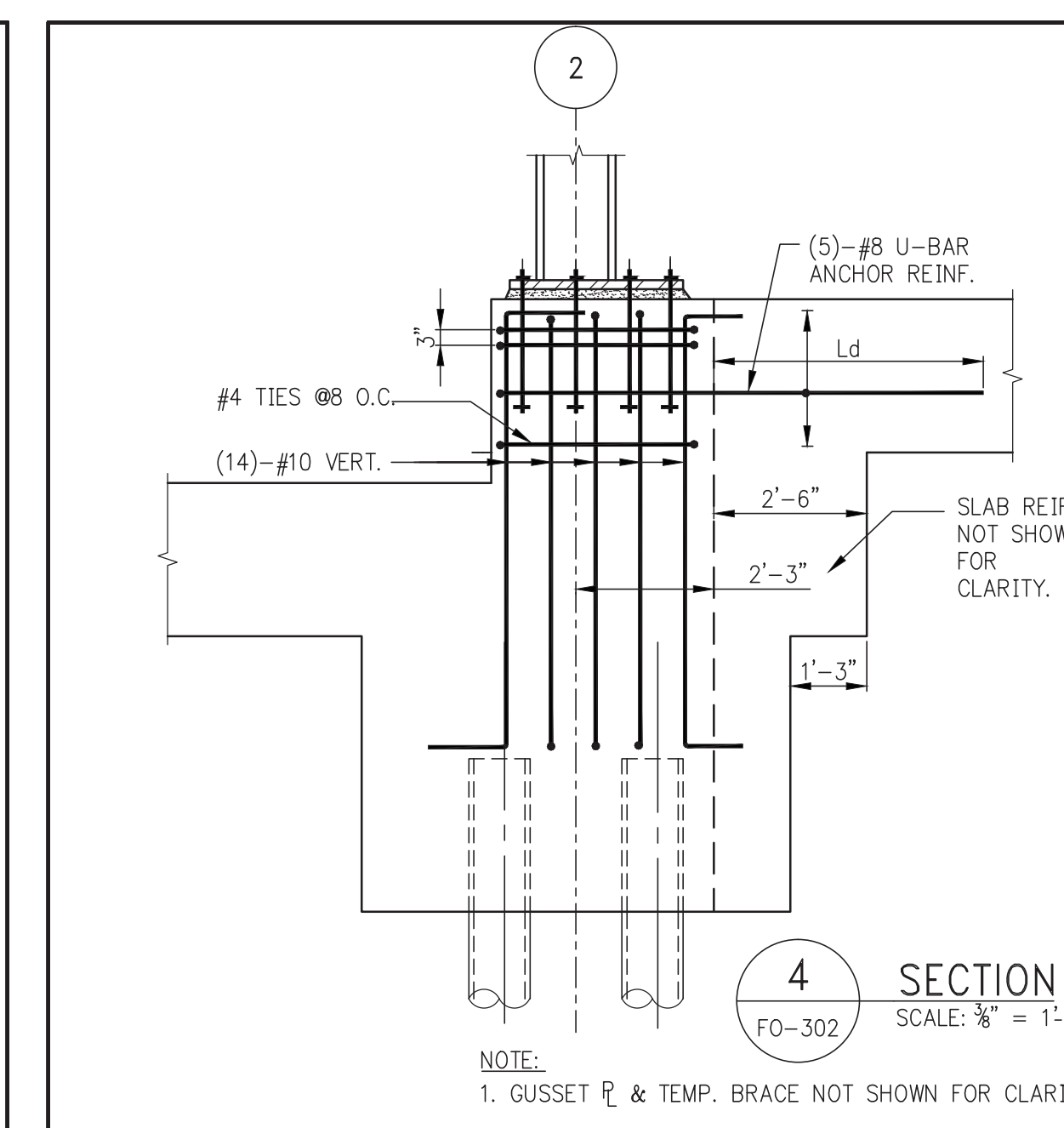
1 SECTION
FO-302
SCALE: 3/8" = 1'-0"
NOTE:
1. SEE DETAIL ON DEG. FO-201 & FO-202 FOR ADD'L REBAR.



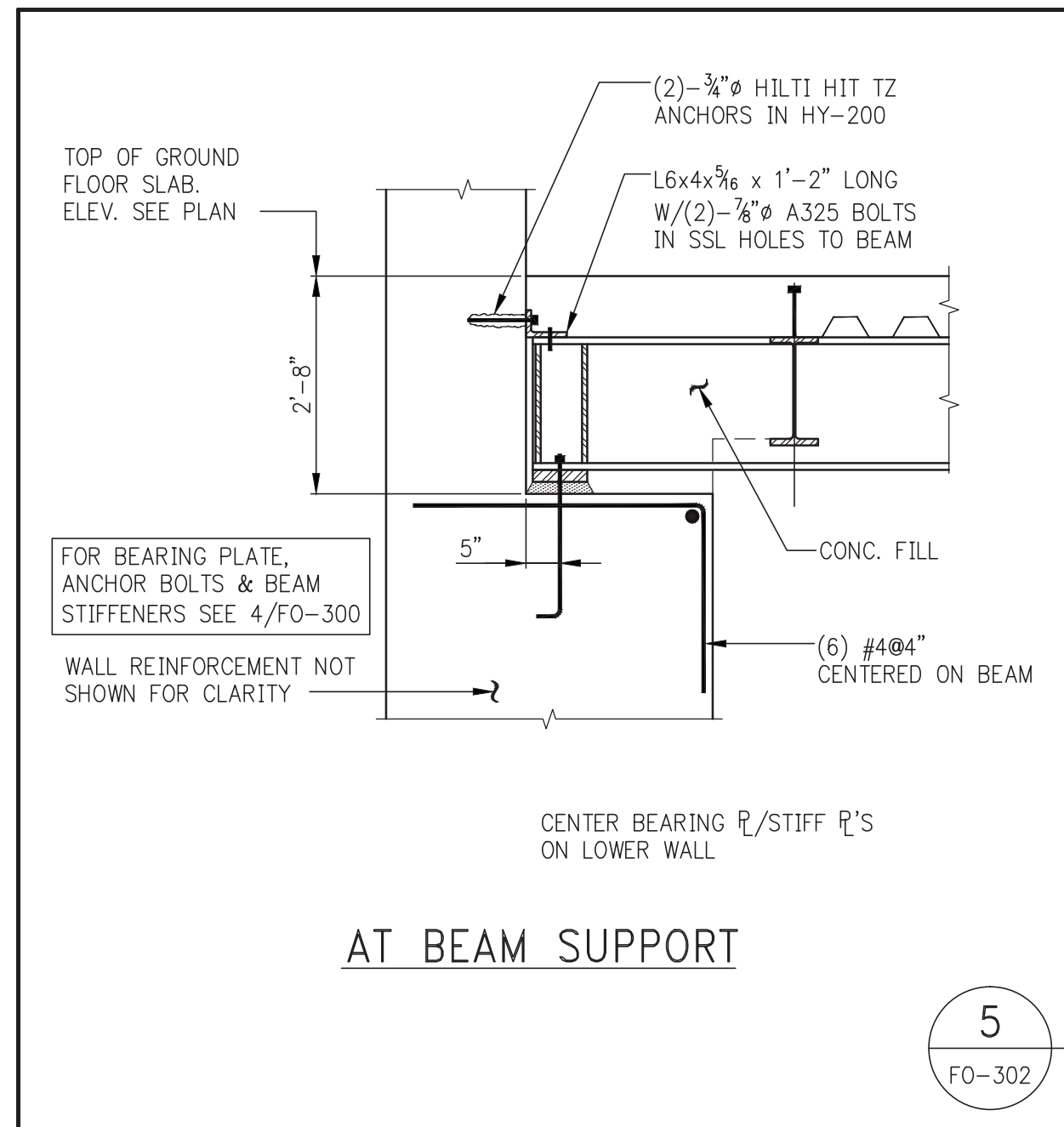
2 SECTION
FO-302
SCALE: 3/8" = 1'-0"
NOTE:
1. SEE DETAIL ON DEG. FO-201 & FO-202 FOR ADD'L REBAR.



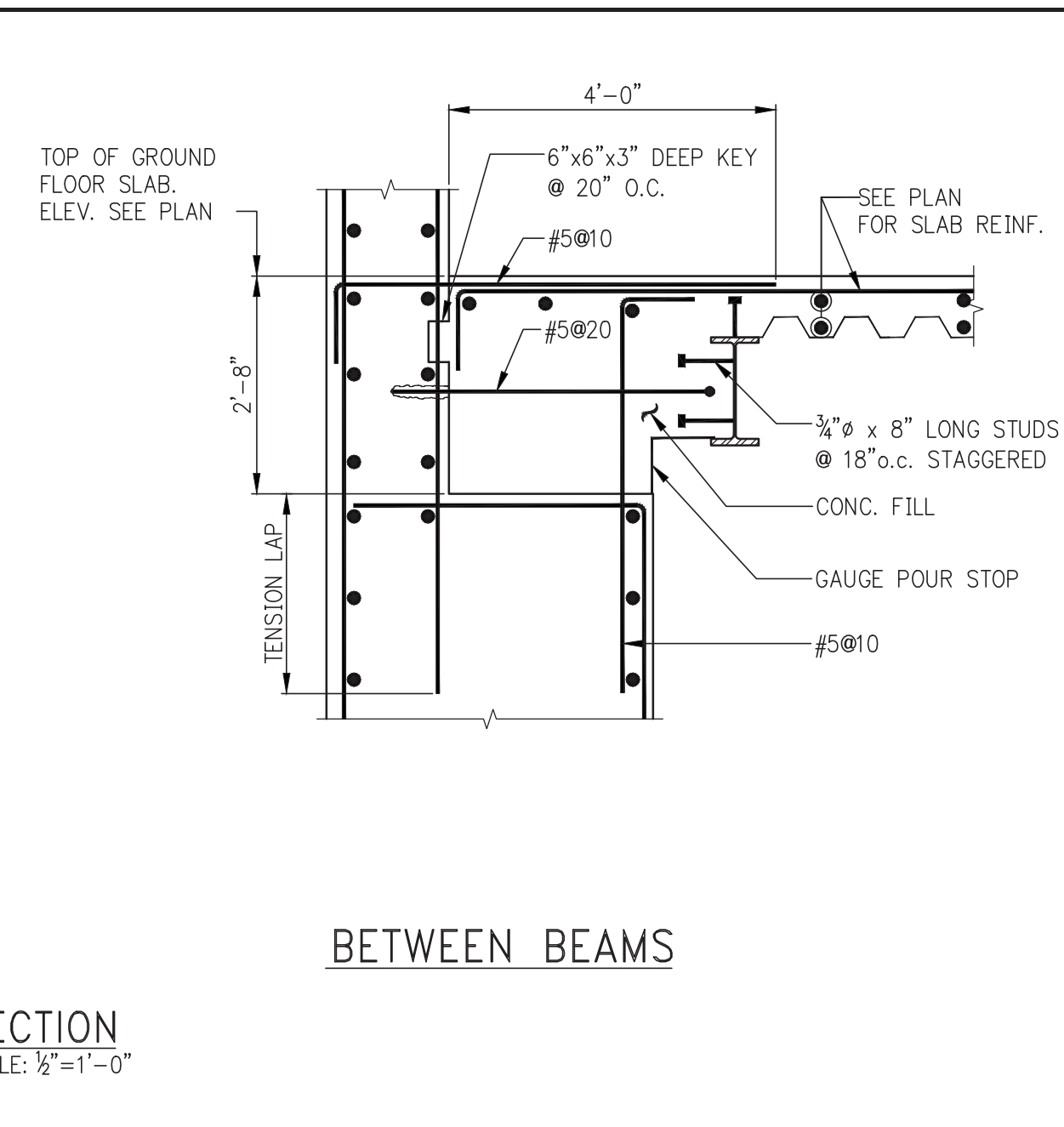
3 SECTION
FO-302
SCALE: 3/8" = 1'-0"
NOTE:
1. SEE DETAIL ON DEG. FO-201 & FO-202 FOR ADD'L REBAR.



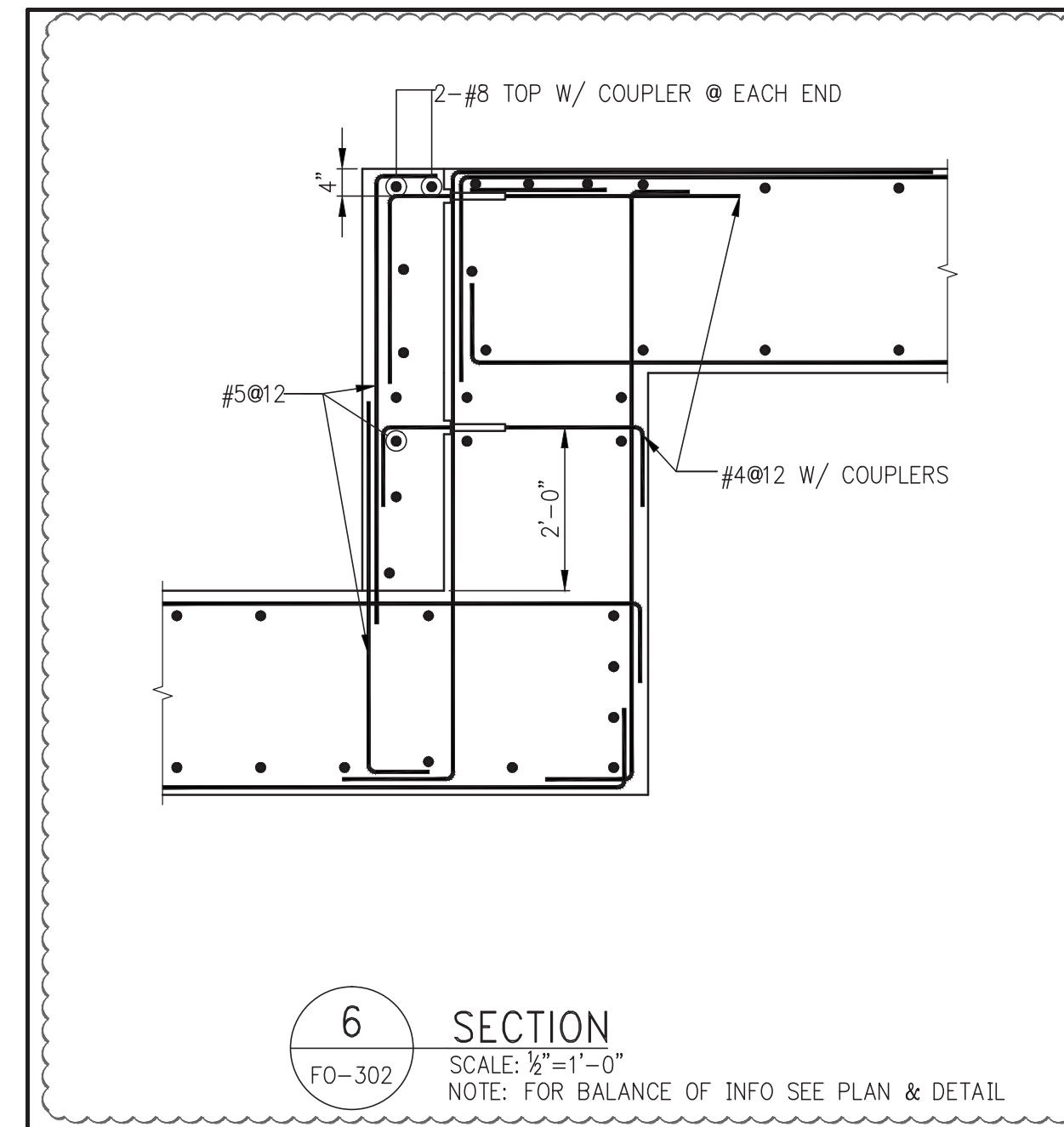
4 SECTION
FO-302
SCALE: 3/8" = 1'-0"
NOTE:
1. GUSSET & TEMP. BRACE NOT SHOWN FOR CLARITY.



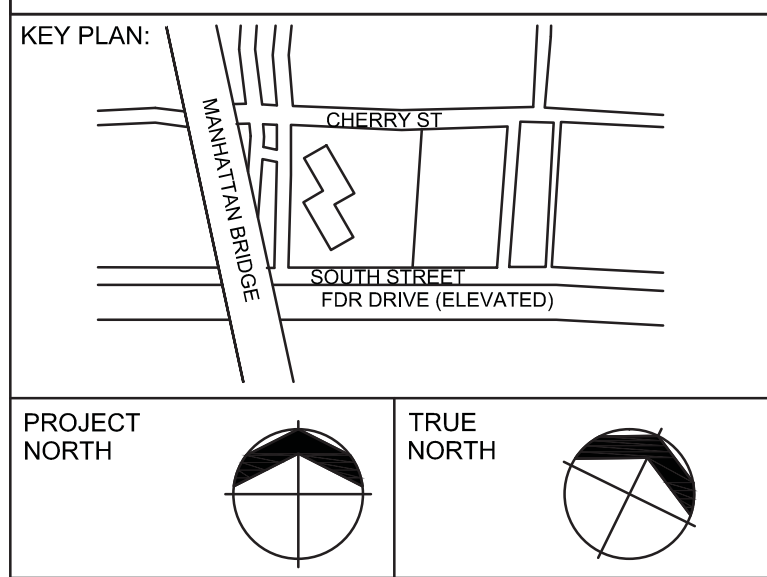
5 SECTION
FO-302
SCALE: 3/8" = 1'-0"
AT BEAM SUPPORT



5 SECTION
FO-302
SCALE: 3/8" = 1'-0"
BETWEEN BEAMS



6 SECTION
FO-302
SCALE: 3/8" = 1'-0"
NOTE: FOR BALANCE OF INFO SEE PLAN & DETAIL.



PROJECT NORTH TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
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| No. | DESCRIPTION: | DATE: |
|-----|-------------------|----------|
| 1 | ADDENDUM #6 | 06-03-15 |
| 2 | ADDENDUM #7 | 06-17-15 |
| 3 | ADDENDUM #9 | 07-10-15 |
| 4 | ISSUED FOR FILING | 07-28-15 |

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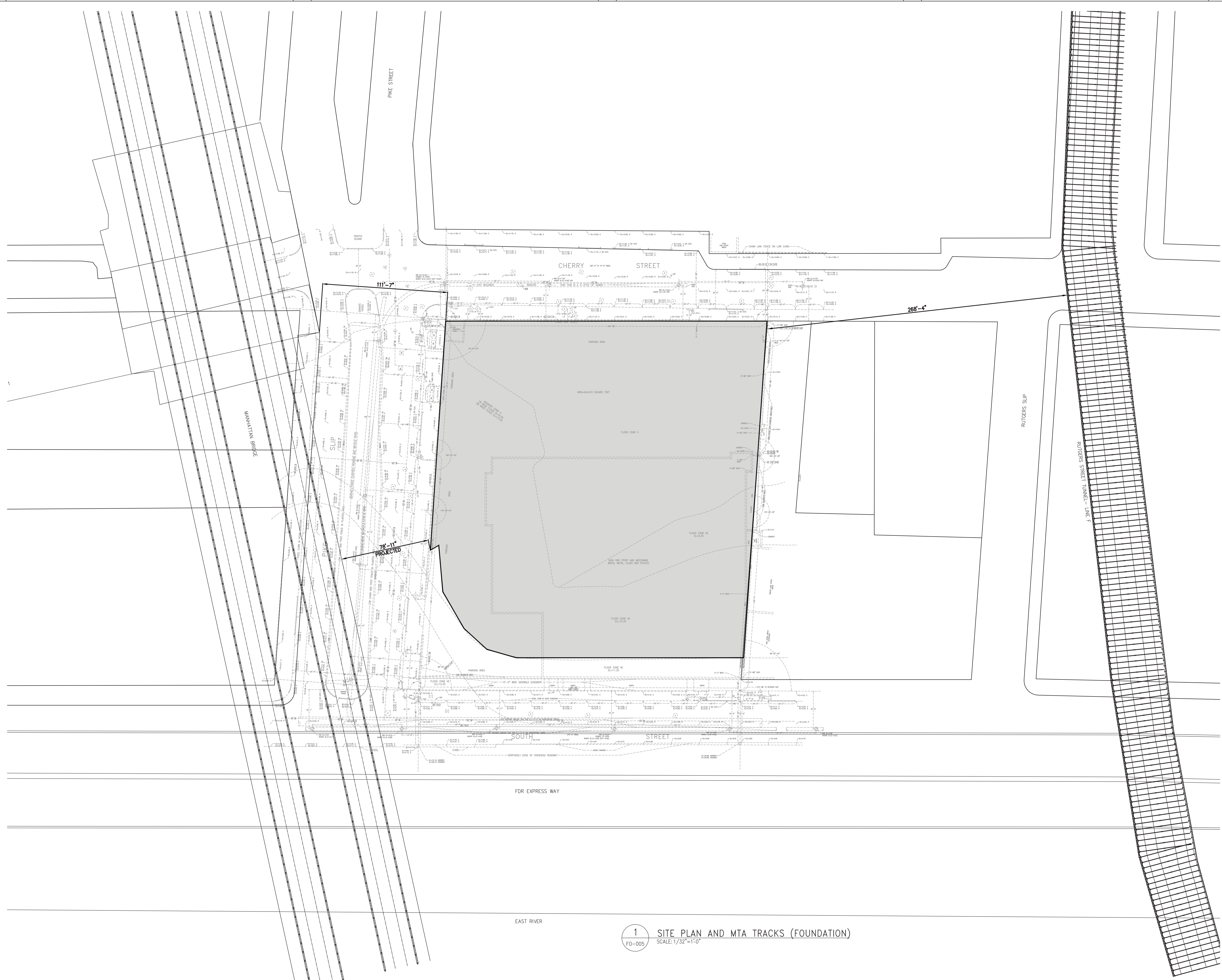


PROJECT:
250 SOUTH STREET
NEW YORK, NY

DRAWING TITLE:
FOUNDATION SECTIONS 2

SEAL & SIGNATURE: [Signature] DATE: 07/25/14
PROJECT No: 1302510
DRAWN: CADD REV:
CHK: CL
SCALE:
DWG No:
FO-302.00
DOB PAGE No: of

DOB EMPLOYEE STAMP:
Damian Titus
APPROVED
Under Directive 2 of 2015
EXERCISE OF PROFESSIONAL JUDGMENT
Date: 10/08/2015
NYC Development Hub



KEY PLAN:

PROJECT NORTH **TRUE NORTH**

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| No. | DESCRIPTION: | DATE: |
|-----|---------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | 50% DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |

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CONSULTANT:

PROJECT:
250 SOUTH STREET
NEW YORK, NY

DRAWING TITLE:
SITE PLAN AND MTA TRACKS (FOUNDATION)

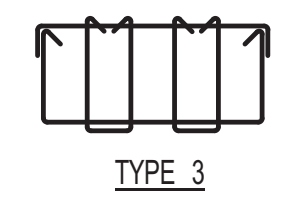
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| SEAL & SIGNATURE | DATE: 07/25/14 |
| PROJECT No: 1302510 | DRAWN: CADD REV: |
| CHK: CL | SCALE: 1/32" = 1'-0" |
| DWG No: | FO-005.00 |
| DOB PAGE No: of | DOB B-SCAN: |

DOB EMPLOYEE STAMP:

1 SITE PLAN AND MTA TRACKS (FOUNDATION)
 FO-005 SCALE: 1/32" = 1'-0"



| BEAM MARK | SIZE | | REINFORCEMENT | | STIRRUPS | | | REMARKS |
|-----------|-------|-------|-------------------|-------------------|----------|------|--------------|---------|
| | WIDTH | DEPTH | BOTTOM CONTINUOUS | TOP CONTINUOUS | TYPE | SIZE | SPACING (IN) | |
| SB1 | 108 | 60 | 15-#11 | 30-#11 (2 LAYERS) | 3 | #4 | 12 | |
| SB2 | 132 | 60 | 15-#11 | 26-#11 | 3 | #4 | 12 | |



1 FOUNDATION PLAN
FO-100 SCALE: 1/16" = 1'-0"

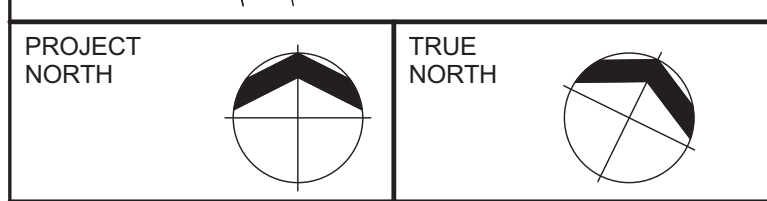
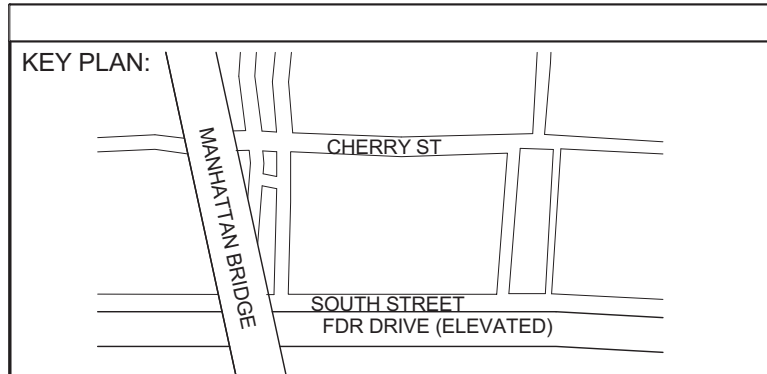
NOTES:

- TOP OF PRESSURE SLAB ELEVATION TO BE 2'-0" U.O.N. THIS ON PLAN.
- PRESSURE SLAB TO BE 3" MIN. THICK U.O.N. THIS ON PLAN.
- REIN. TO BE: #11@12 CONT. E.W. TOP #10@12 CONT. BOTTOM
- ALL PRESSURE SLAB TO BE POURED ON WATERPROOF MEMBRANE PLACED ON 3" MUD SLAB.
- FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND SEE DRAWING FO-001.
- FOR FOUNDATION TYPICAL DETAILS SEE FO-200 SERIES DRAWINGS.
- FOR FOUNDATION SECTIONS SEE FO-300 SERIES DRAWINGS.
- FOR LINK BEAM SCHEDULE AND SHEARWALL DETAILS SEE S-400 SERIES DRAWINGS.
- FOR COLUMN SIZES, REINFORCEMENT AND DETAILS SEE S-600 SERIES DRAWINGS.
- FOR SHEARWALL PILE CAPS SEE DWG. FO-101 THRU FO-104
- ALL BOTTOM REINFORCEMENT TO BE EPOXY COATED.

ELEVATIONS ARE ACTUAL AND REFER TO NAVD DATUM

LEGEND:

- PC ON PLAN INDICATES 200 TON COMPRESSION / 45 TON TENSION CAPACITY PILE, LATERAL CAPACITY 4 TON W/ 90 KIP-FT MOMENT @ PILE HEAD
- CC ON PLAN INDICATES 200 TON COMPRESSION / 45 TON TENSION CAPACITY CAISSON, LATERAL CAPACITY 2.5 TON W/ 90 KIP-FT MOMENT @ CAISSON HEAD
- ON PLAN INDICATES 1000 TON COMPRESSION / 500 TON TENSION CAPACITY CAISSON, LATERAL CAPACITY 11 TON W/ 350 KIP-FT MOMENT @ CAISSON HEAD
- CB ON PLAN INDICATES 122.5 TON TIE DOWN ANCHOR



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
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88 Yuqing Road
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MEP ENGINEERS:
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Iselme, NJ 08830
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21 Penn Plaza - 360 West 31st Street, 8th Floor
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TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
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| 1 | 50% SD | 02-28-14 |
| 2 | 100%SD | 04-25-14 |
| 3 | ISSUED FOR DOT | 04-28-14 |
| 4 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 5 | 50% DD | 08-01-14 |
| 6 | ISSUED FOR DOT | 08-07-14 |
| 7 | ISSUED FOR FOUNDATION BID | 08-29-14 |

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CONSULTANT:
AAI ARCHITECTS, P.C.

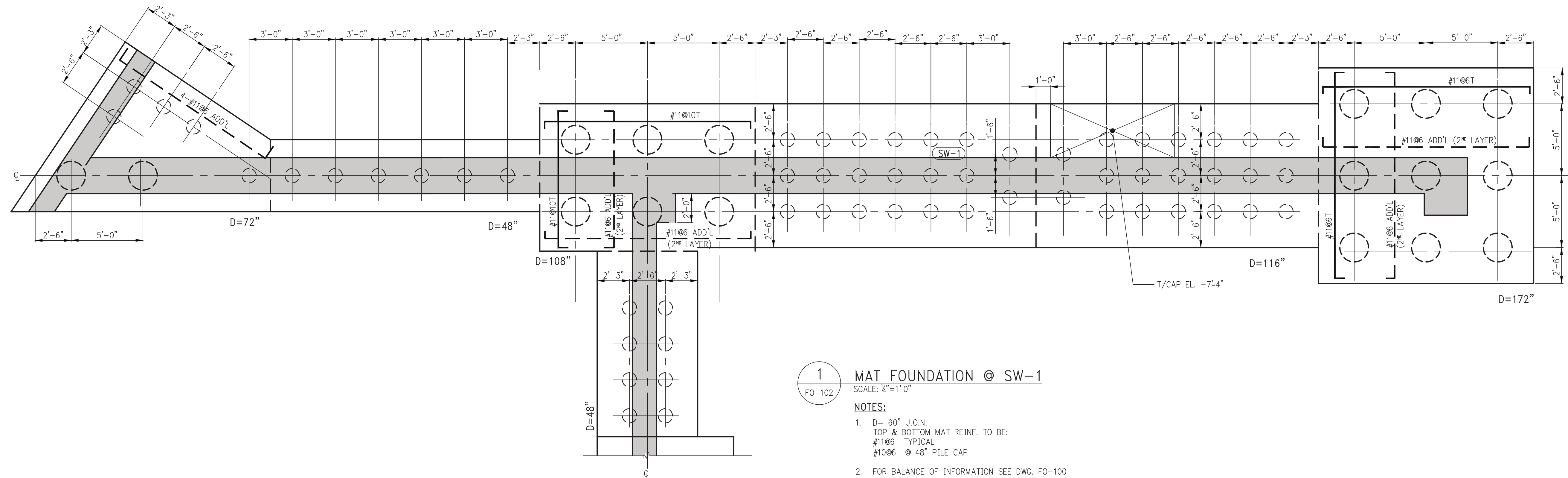
PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
FOUNDATION PLAN

SEAL & SIGNATURE: [Signature] DATE: 01 NOV 2013
PROJECT No: 1339-00
DRAWN: TEAM REV:
CHK: CHECKER
SCALE: As indicated
DWG No: **FO-100.00**

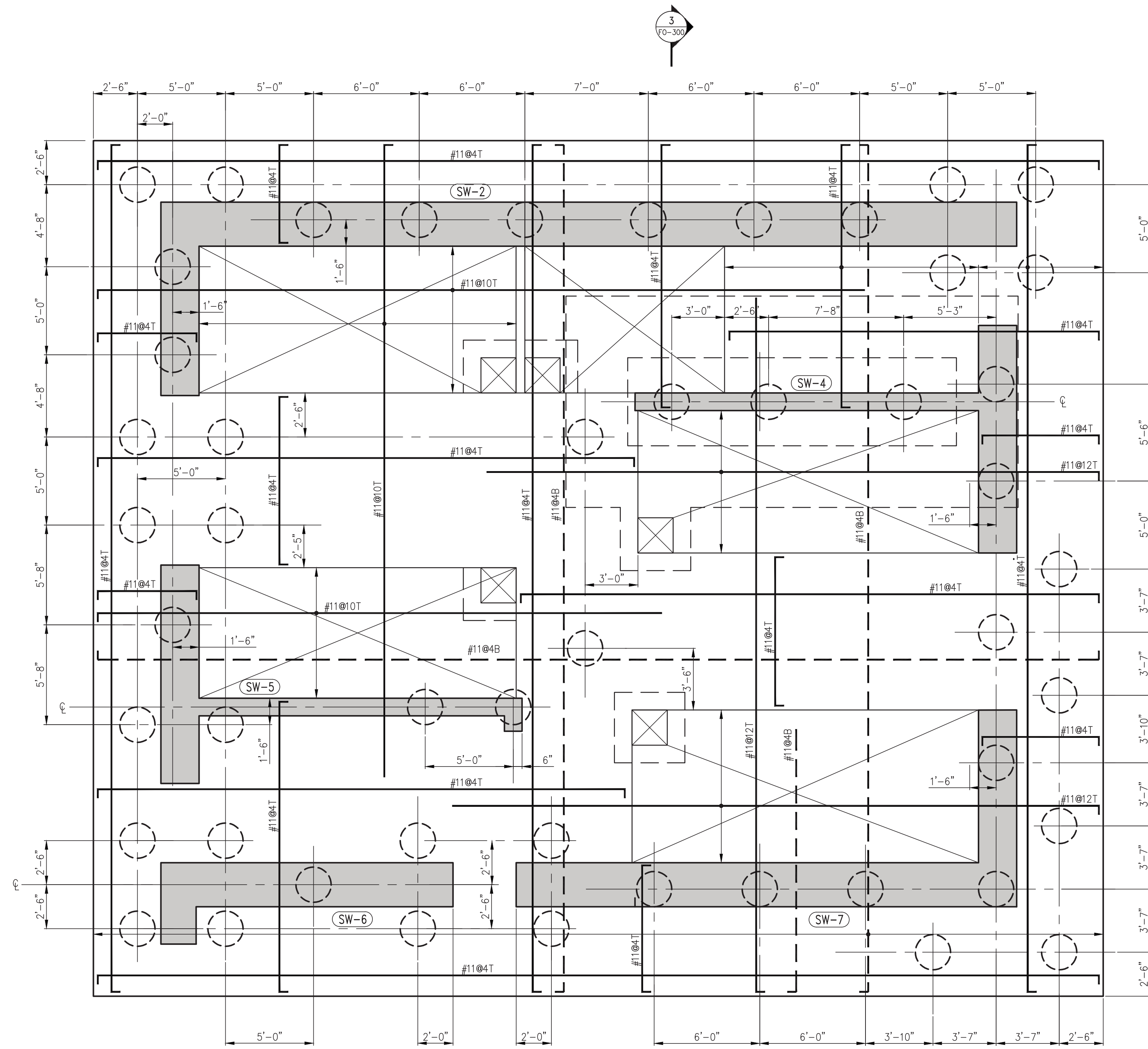
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Seal of the State of New York Professional Engineer
Damian Titus
APPROVED
Under Directive 2 of 1975
Date: 10/15/2014
NYC Development Hub



1 MAT FOUNDATION @ SW-1
 SCALE: 1/4"=1'-0"

- NOTES:**
 1. D = 60" U.O.N.
 TOP & BOTTOM MAT REINF. TO BE:
 #1106 TYPICAL
 #1086 @ 48" PILE CAP
 2. FOR BALANCE OF INFORMATION SEE DWG. FO-100

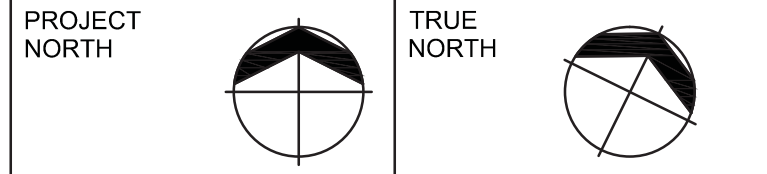
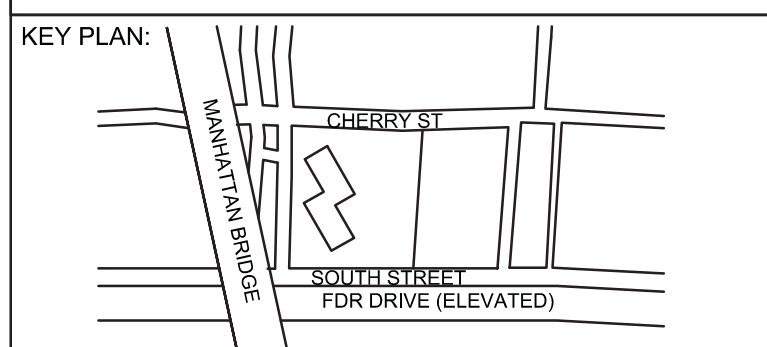
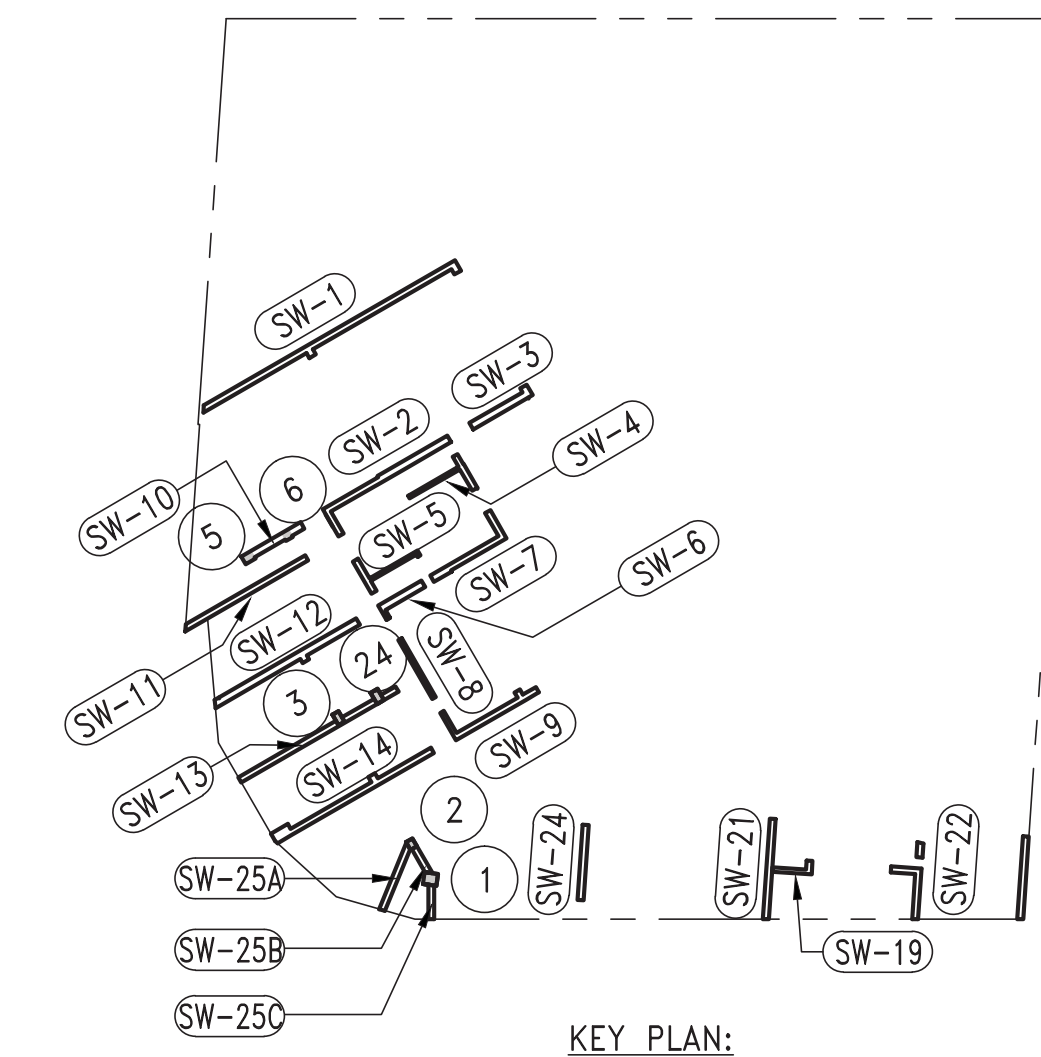


2 MAT FOUNDATION @ SW-2, SW-4, SW-5, SW-6 AND SW-7
 SCALE: 1/4"=1'-0"

- NOTES:**
 1. D = 20'-2" U.O.N.
 2. FOR BALANCE OF INFORMATION SEE DWG. FO-100

LEGEND:

- INDICATE 1500 TON CAISSON
- INDICATE 200 TON PILE



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
 805 Third Ave, 7th Floor
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LANDSCAPE DESIGNER:
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MEP ENGINEERS:
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GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
 21 Penn Plaza - 360 West 31st Street, 8th Floor
 New York, NY 10001
 TEL: 212.479.5400 FAX: 212.479.5444

| No. | DESCRIPTION: | DATE: |
|-----|---------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | SOF DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |

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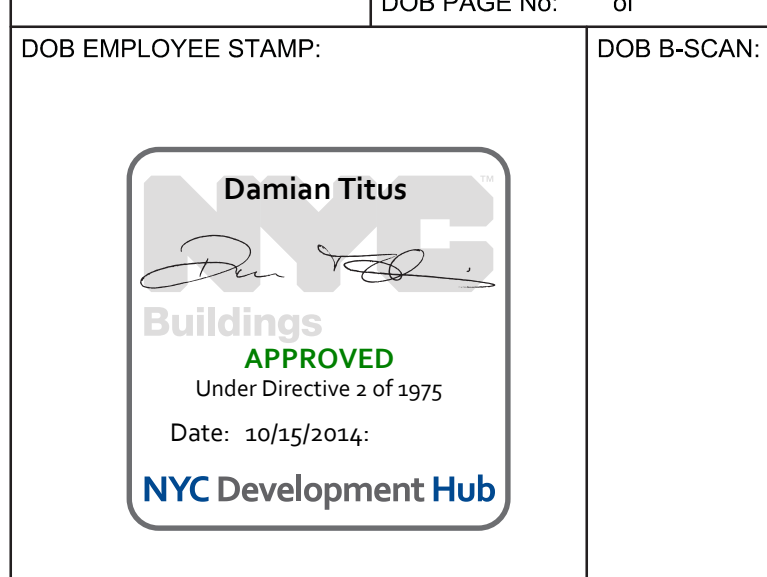
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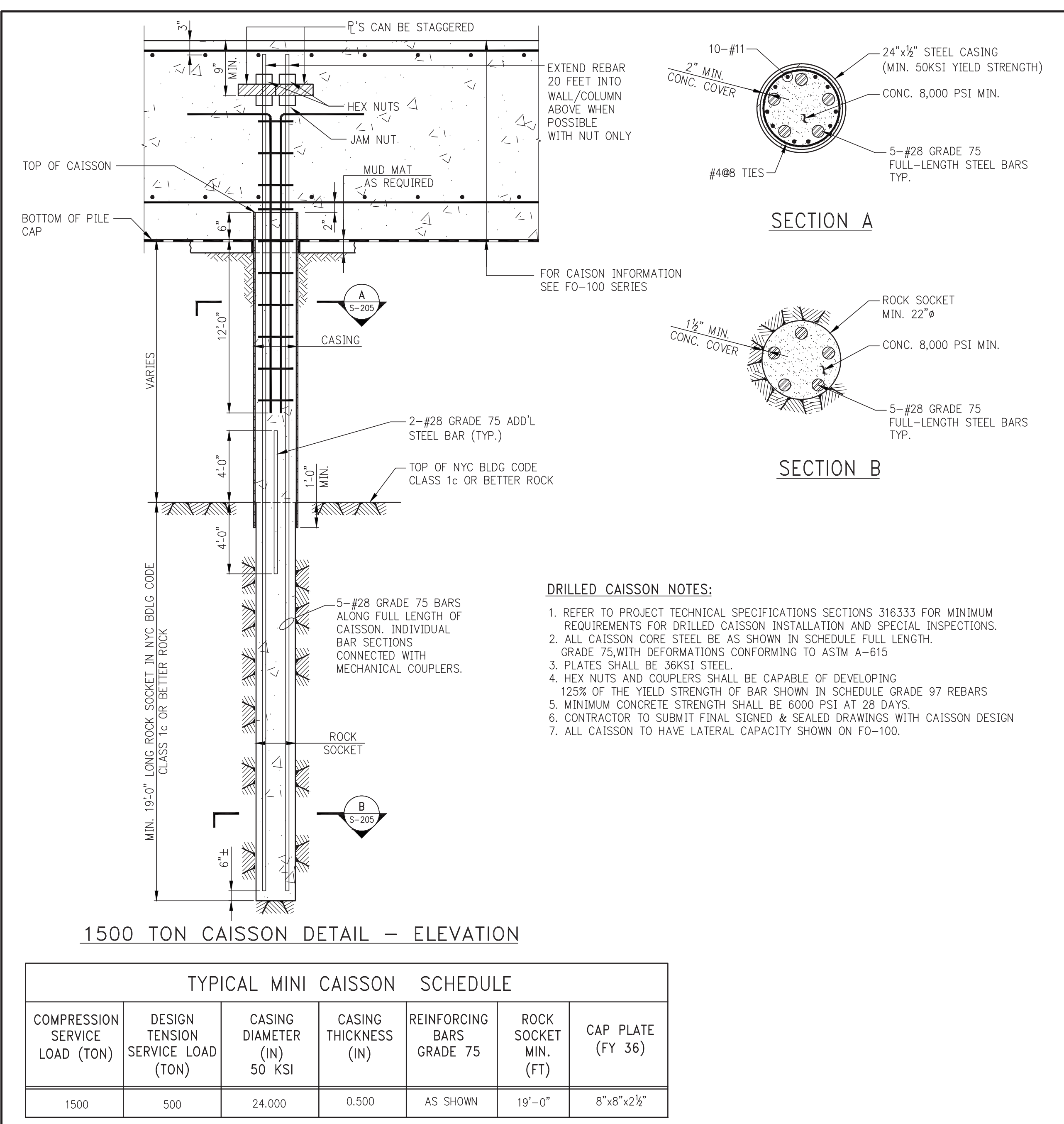
CONSULTANT:
AAI ARCHITECTS, P.C.

PROJECT:
250 SOUTH STREET
NEW YORK, NY

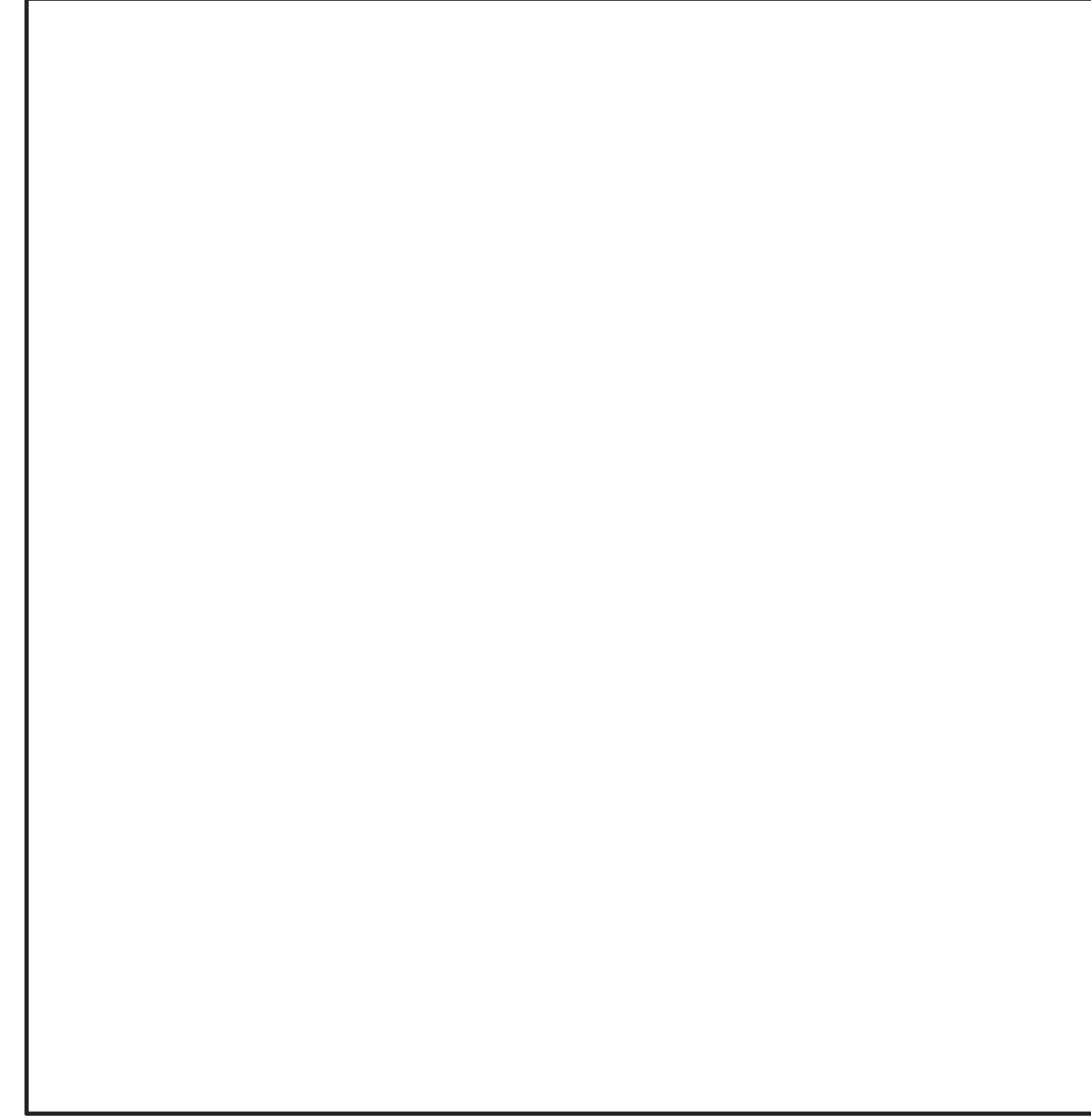
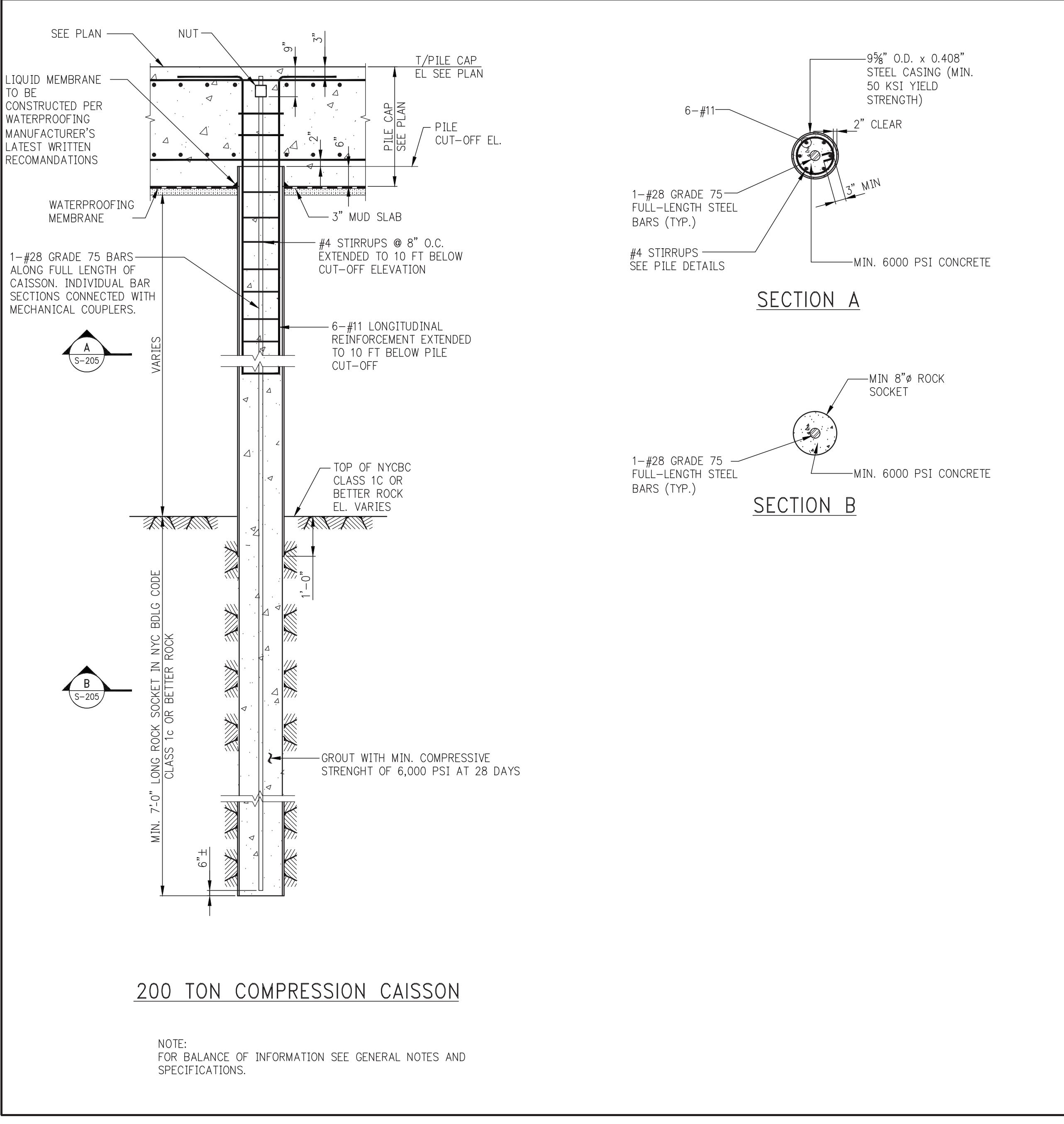
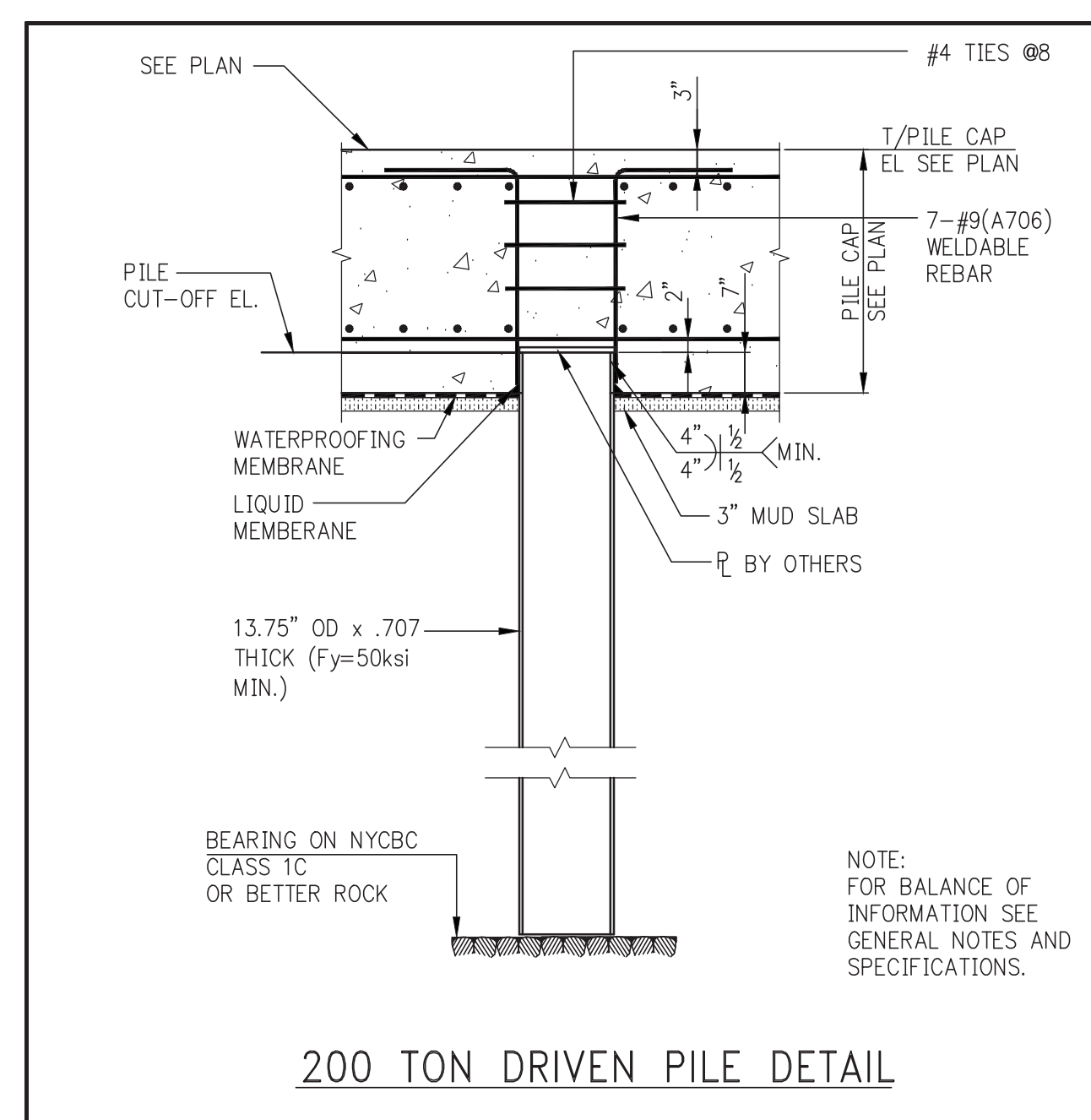
DRAWING TITLE:
MAT FOUNDATION 1

SEAL & SIGNATURE:
 PROJECT No: 1302510
 DRAWN: CADD REV:
 CHK: CL
 SCALE: 1/4" = 1'-0"
 DWG No: **FO-101.00**
 DOB PAGE No: of
 DOB EMPLOYEE STAMP: DOB B-SCAN:





- DRILLED CAISSON NOTES:**
- REFER TO PROJECT TECHNICAL SPECIFICATIONS SECTIONS 316.333 FOR MINIMUM REQUIREMENTS FOR DRILLED CAISSON INSTALLATION AND SPECIAL INSPECTIONS.
 - ALL CAISSON CORE STEEL BE AS SHOWN IN SCHEDULE FULL LENGTH, GRADE 75, WITH DEFORMATIONS CONFORMING TO ASTM A-615
 - PLATES SHALL BE 36KSI STEEL
 - HEX NUTS AND COUPLERS SHALL BE CAPABLE OF DEVELOPING 125% OF THE YIELD STRENGTH OF BAR SHOWN IN SCHEDULE GRADE 97 REBARS
 - MINIMUM CONCRETE STRENGTH SHALL BE 6000 PSI AT 28 DAYS
 - CONTRACTOR TO SUBMIT FINAL SIGNED & SEALED DRAWINGS WITH CAISSON DESIGN
 - ALL CAISSON TO HAVE LATERAL CAPACITY SHOWN ON FO-100.



KEY PLAN:

PROJECT NORTH **TRUE NORTH**

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CONSULTANT:

PROJECT:
250 SOUTH STREET
 NEW YORK, NY

DRAWING TITLE:
TYPICAL FOUNDATION DETAILS 1

| | |
|------------------------------|--------------------------------|
| SEAL & SIGNATURE: | DATE: 07/25/14 |
| | PROJECT No: 1302610 |
| | DRAWN: CADD REV: |
| | SCALE: N.T.S. |

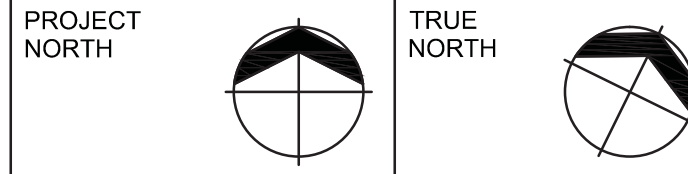
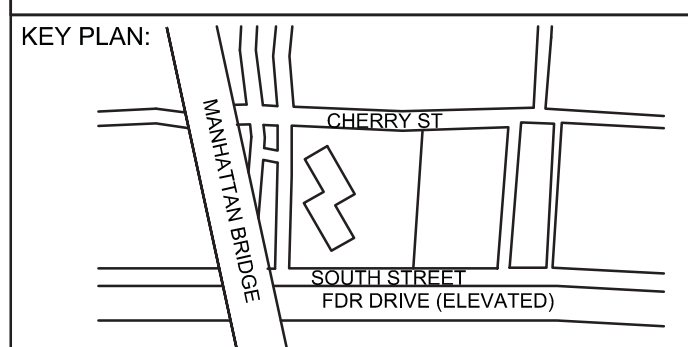
DWG No: **FO-200.00**

DOB PAGE No: of

DOB EMPLOYEE STAMP: of **DOB B-SCAN:**

Damian Titus
 Buildings **APPROVED**
 Under Directive 2 of 1975
 Date: 10/15/2014
 NYC Development Hub

CAISSON AND PILE PENETRATION DETAILS TO BE CONSTRUCTED PER WATERPROOFING MANUFACTURER'S LATEST WRITTEN RECOMMENDATIONS.



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CONSULTANT:

PROJECT:
**250 SOUTH STREET
 NEW YORK, NY**

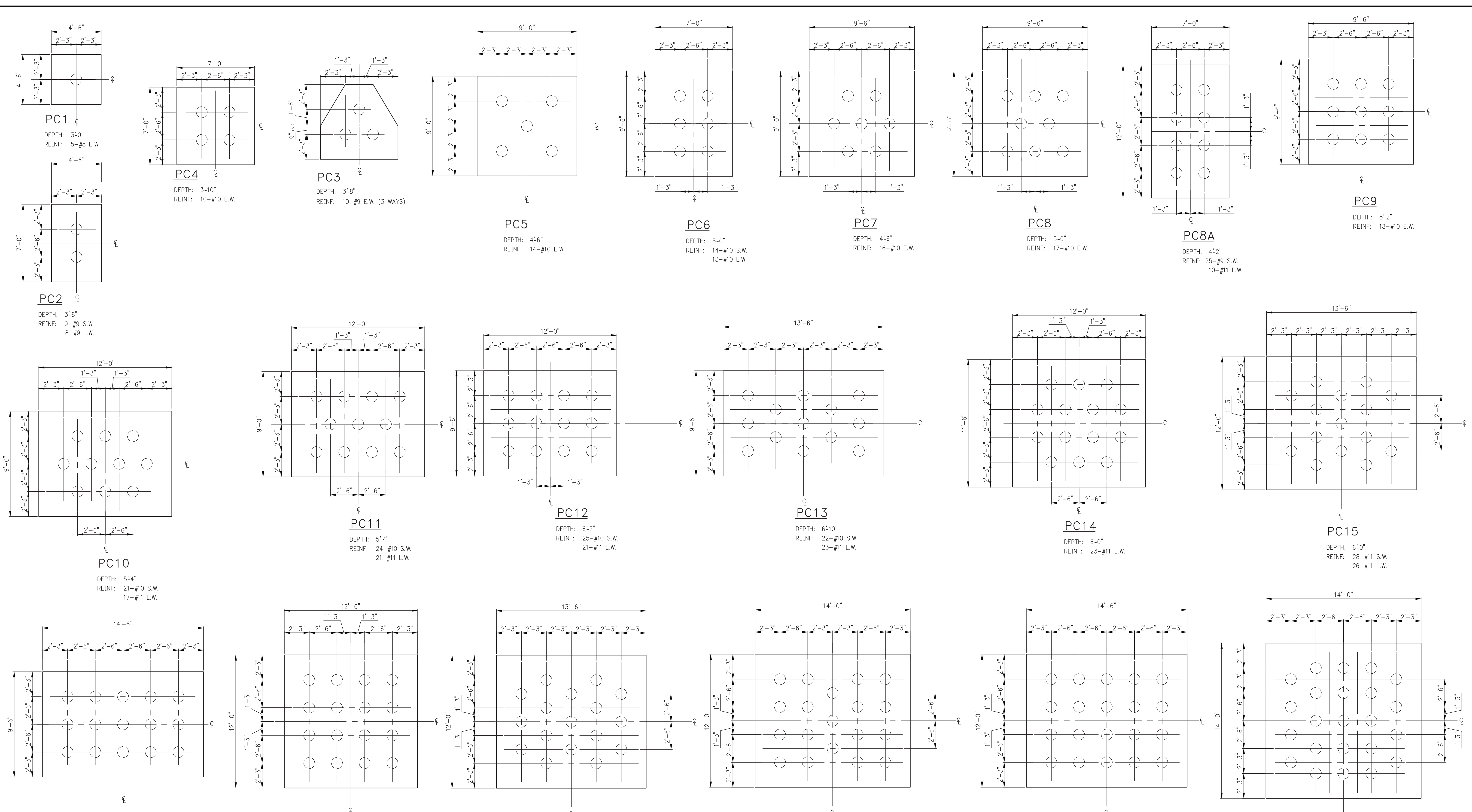
DRAWING TITLE:
**TYPICAL FOUNDATION
 DETAILS 2**

SEAL & SIGNATURE: DATE: 07/25/14

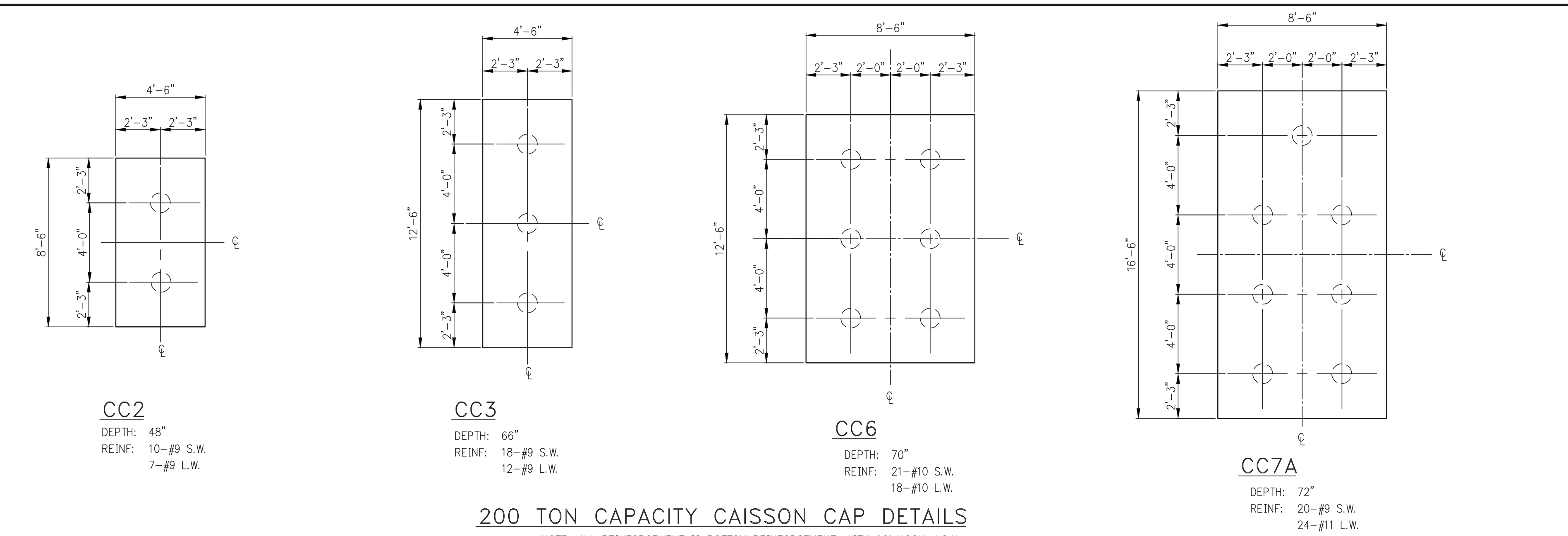
PROJECT No: 1302510
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 SCALE: AS SHOWN
 DWG No: **FO-201.00**
 DOB PAGE No: of

DOB EMPLOYEE STAMP:

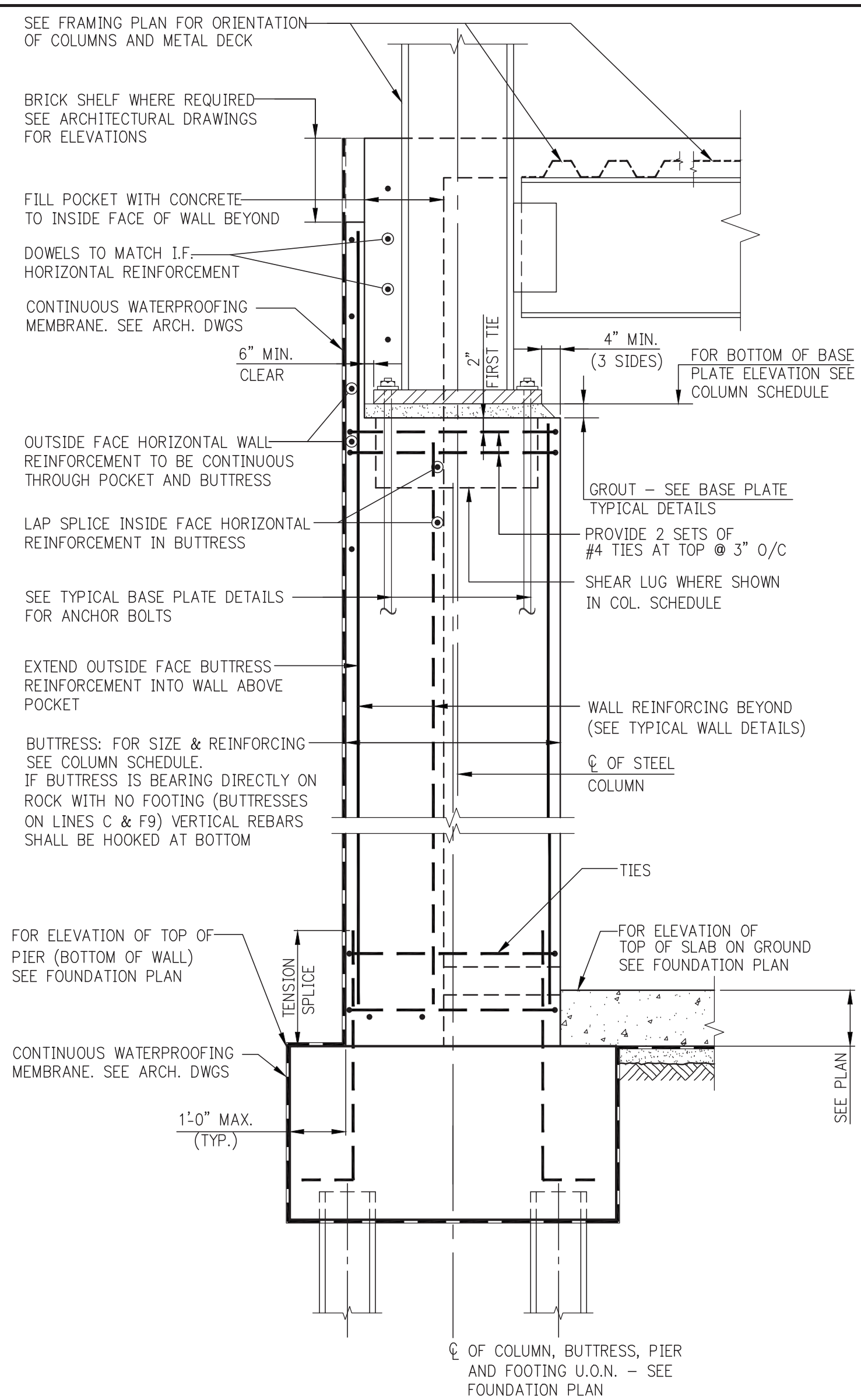
DOB B-SCAN:



200 TON CAPACITY PILE CAP DETAILS
 NOTE:
 1. ALL REINFORCEMENT IS BOTTOM REINFORCEMENT, WITH 90° HOOK U.O.N.
 2. FOR DETAIL OF PC61 SEE FO-101 SERIES.

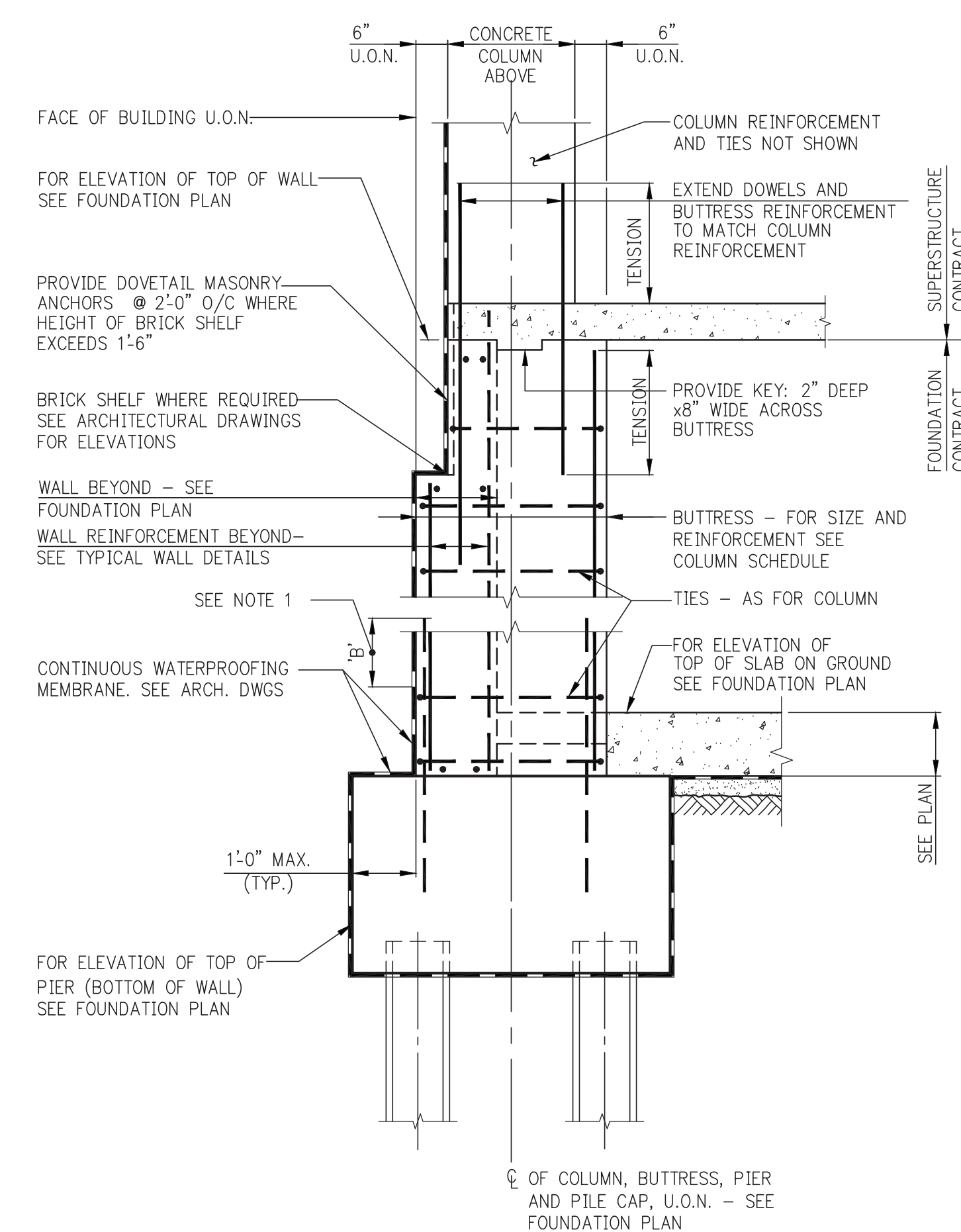


200 TON CAPACITY CAISSON CAP DETAILS
 NOTE: ALL REINFORCEMENT IS BOTTOM REINFORCEMENT, WITH 90° HOOK U.O.N.



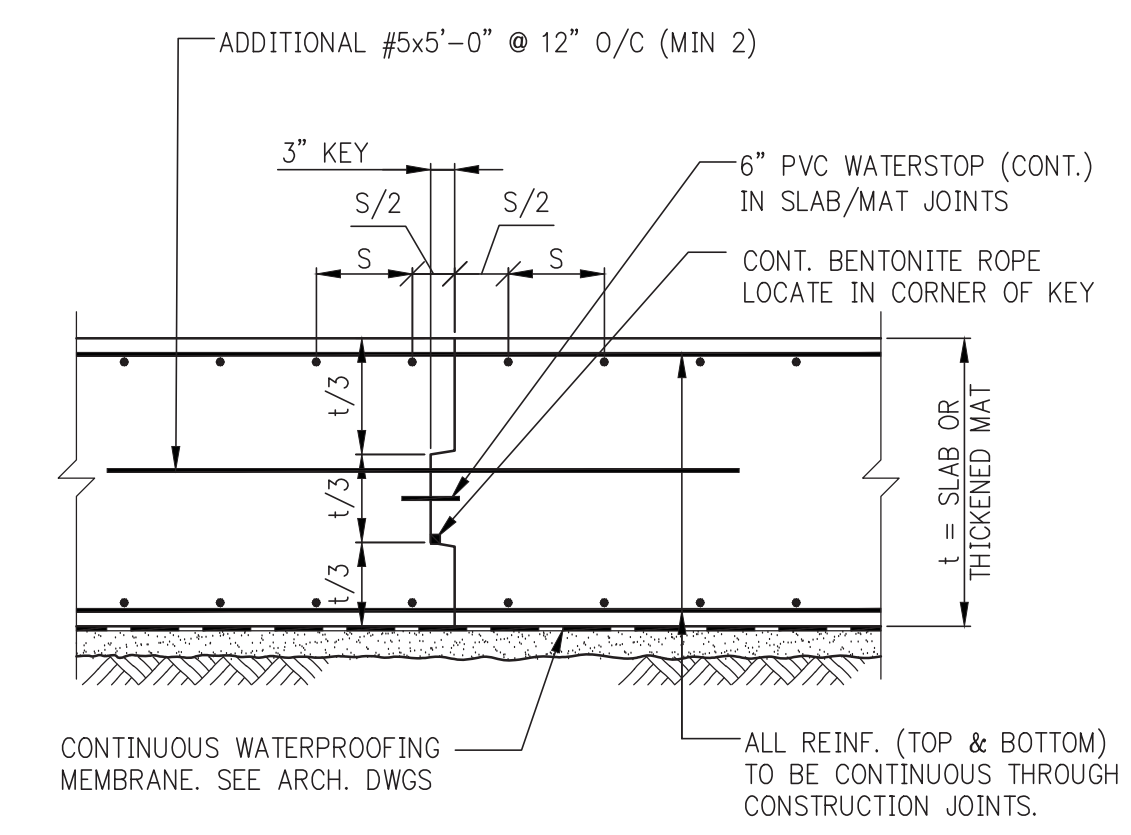
BUTTRESS AT STEEL COLUMN

- NOTES:**
1. FOR FOOTING REINFORCING SEE FOOTING SCHEDULE.
 2. FOR ADDITIONAL INFORMATION SEE TYPICAL DETAIL AT PERIMETER FOOTING AND TYPICAL FOUNDATION WALL DETAIL.

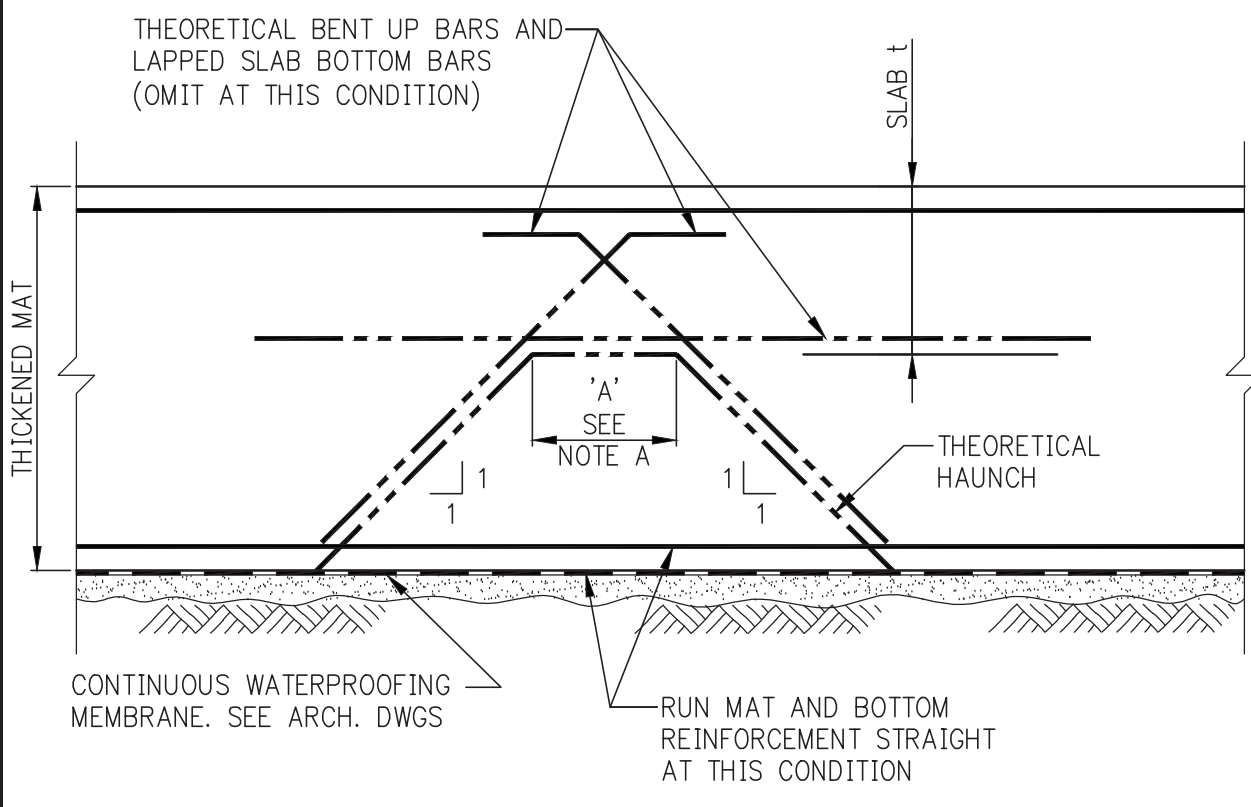


- NOTE:**
1. WHEN SLAB ON GROUND IS POURED BEFORE COLUMN, INCREASE LENGTH OF DOWELS BY DIMENSION 'B'. IN ADDITION, IF COLUMN CONCRETE STRENGTH IS GREATER THAN 1.4 TIMES SLAB CONCRETE STRENGTH, THE SLAB CONCRETE STRENGTH MUST BE INCREASED LOCALLY TO MATCH COLUMN CONCRETE STRENGTH FOR A DISTANCE OF 2 FEET IN ALL DIRECTIONS FROM COLUMN FACES.

BUTTRESS AT CONCRETE COLUMN

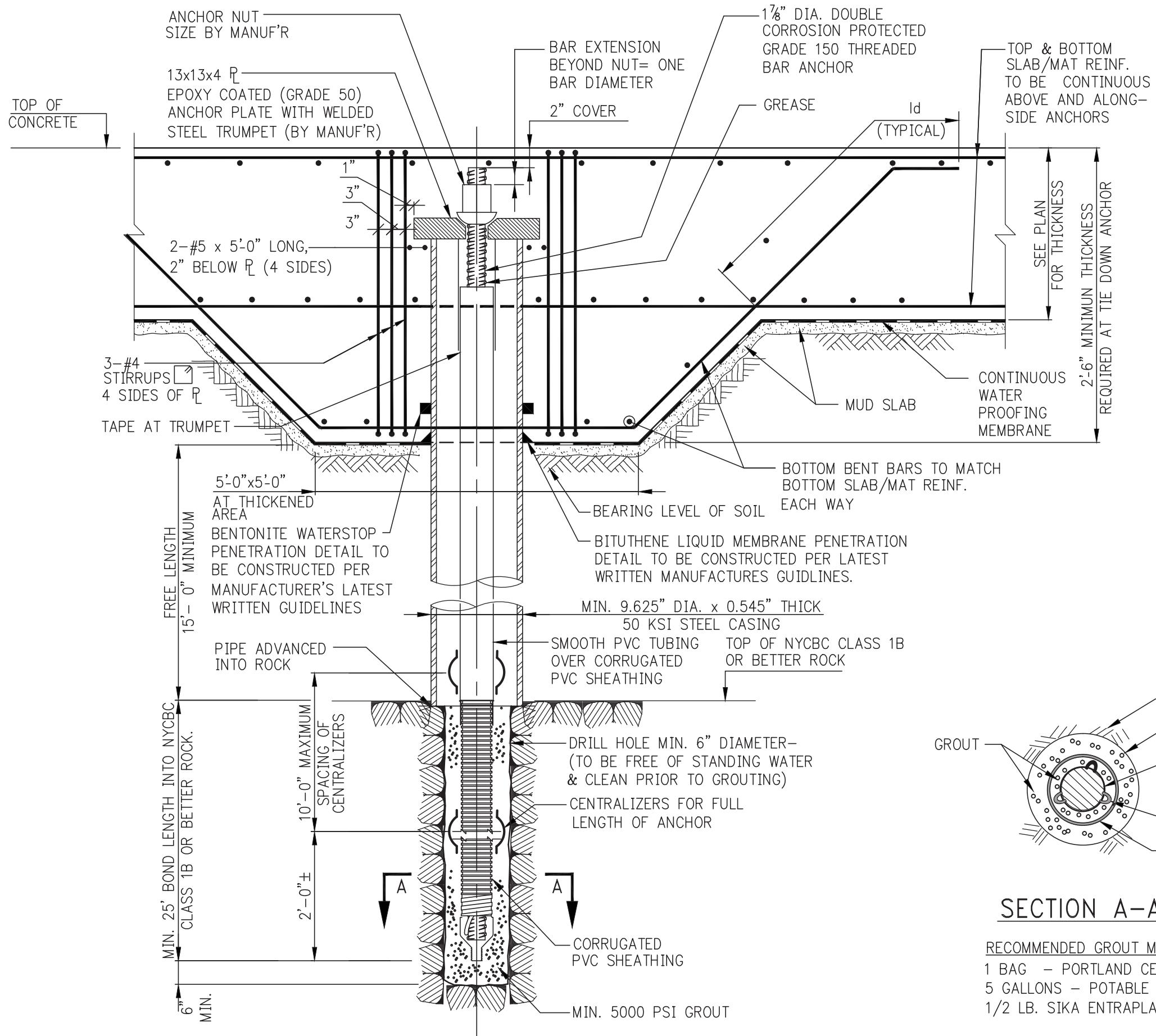


MAT FOUNDATION CONSTRUCTION JOINT

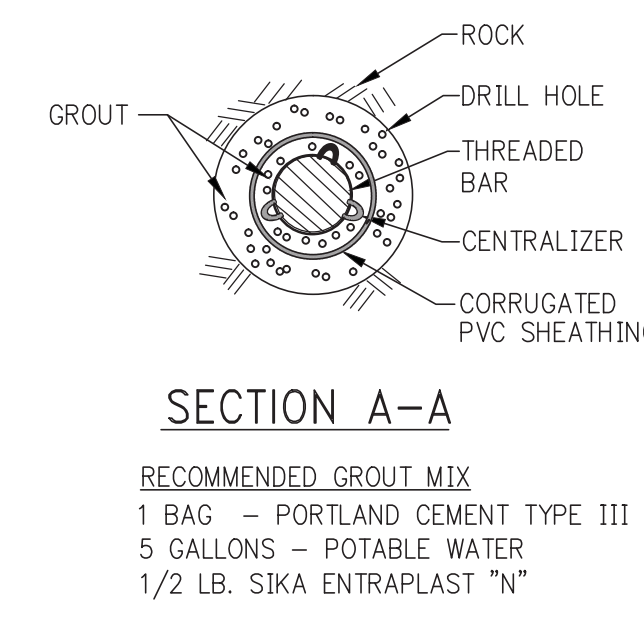


MAT FOUNDATION CONDITION WHERE THEORETICAL HAUNCHES ARE TO BE OMITTED

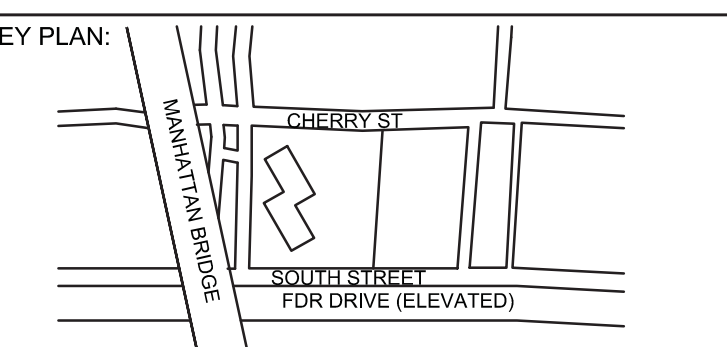
- NOTE A:**
 WHEN THEORETICAL DIMENSION 'A' IS LESS THAN 1'-6", OMIT HAUNCHES REPRESENTED BY DASHED LINES



TIE-DOWN ROCK ANCHOR AT PRESSURE SLAB ON SOIL



- SECTION A-A**
- RECOMMENDED GROUT MIX**
- 1 BAG - PORTLAND CEMENT TYPE III
 - 5 GALLONS - POTABLE WATER
 - 1/2 LB. SIKKA ENTRAPLAST "N"



PROJECT NORTH
 TRUE NORTH

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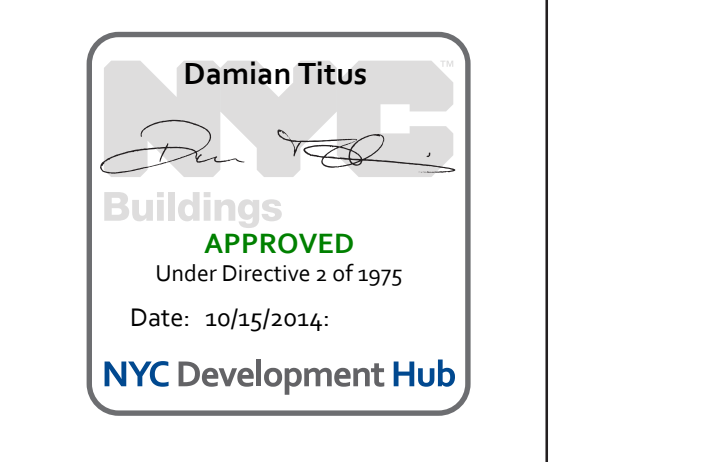
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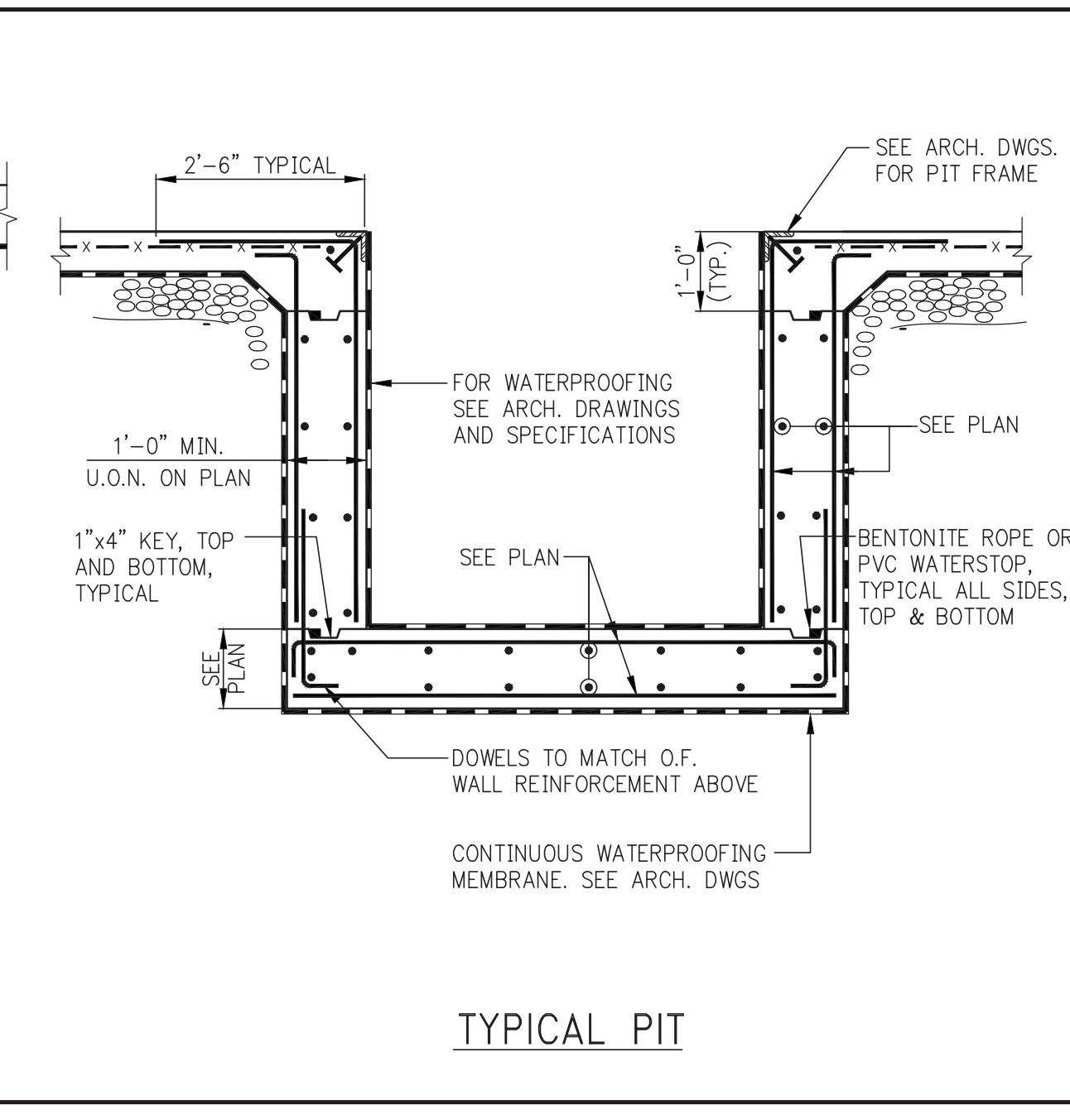
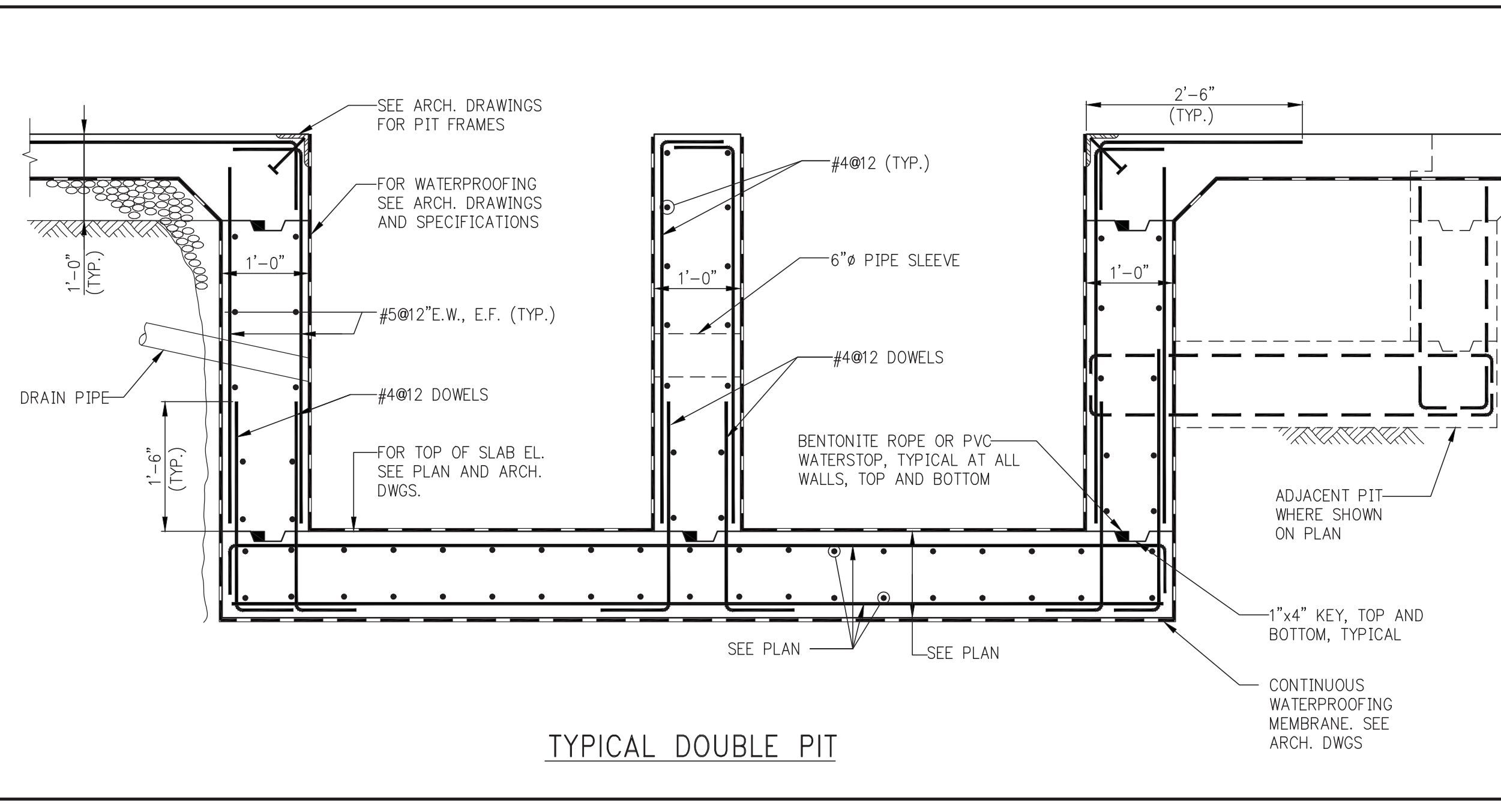
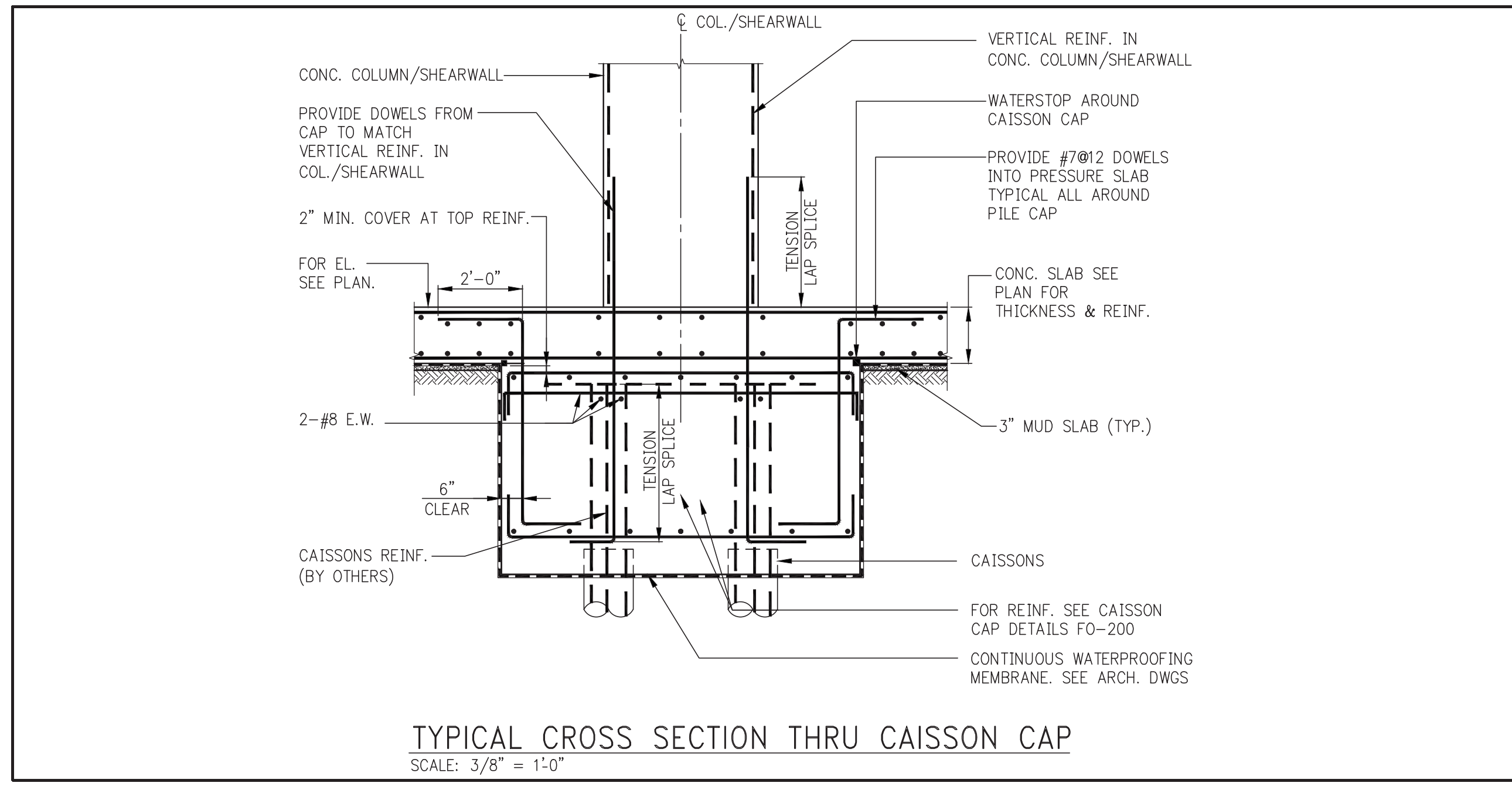
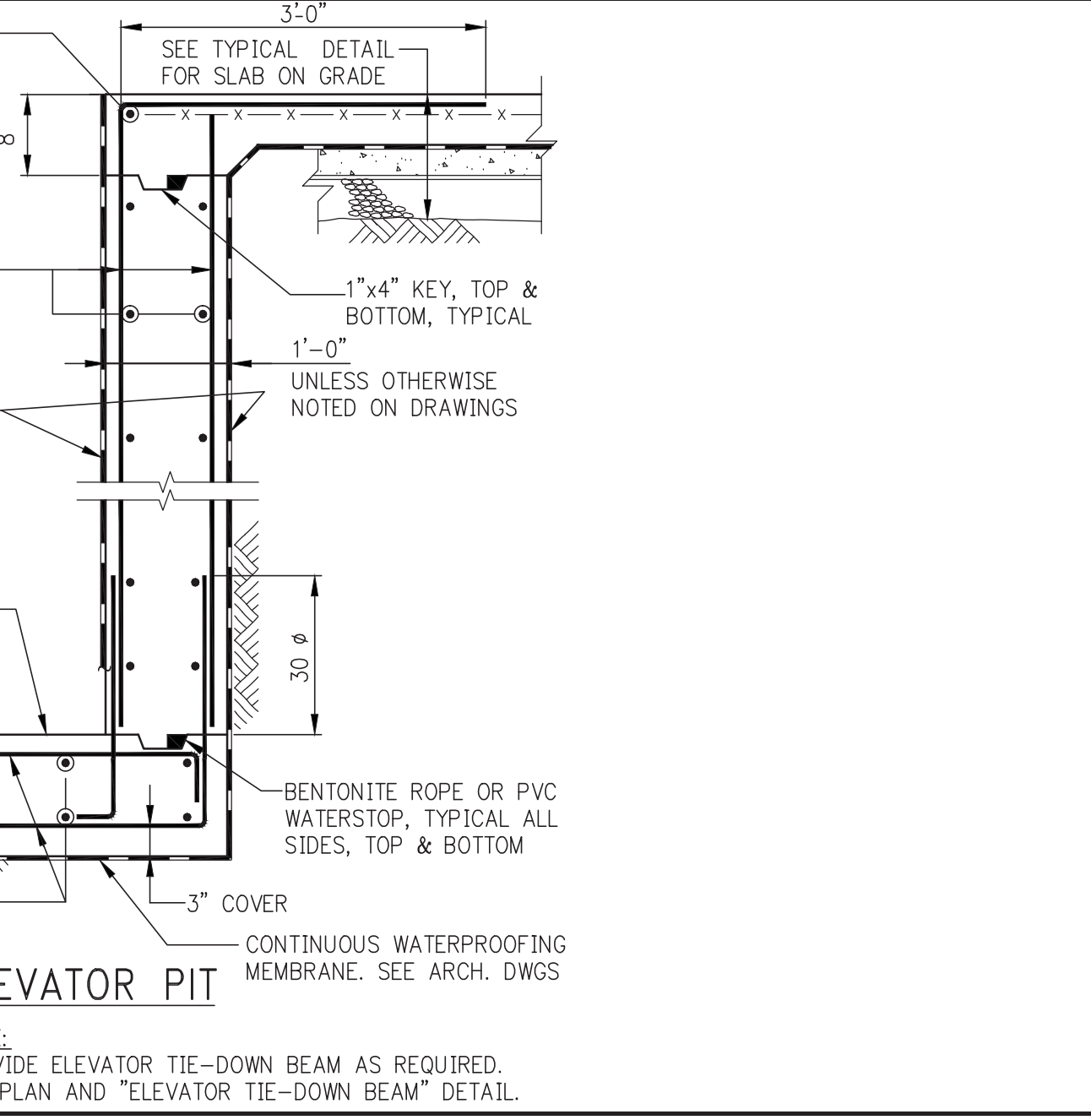
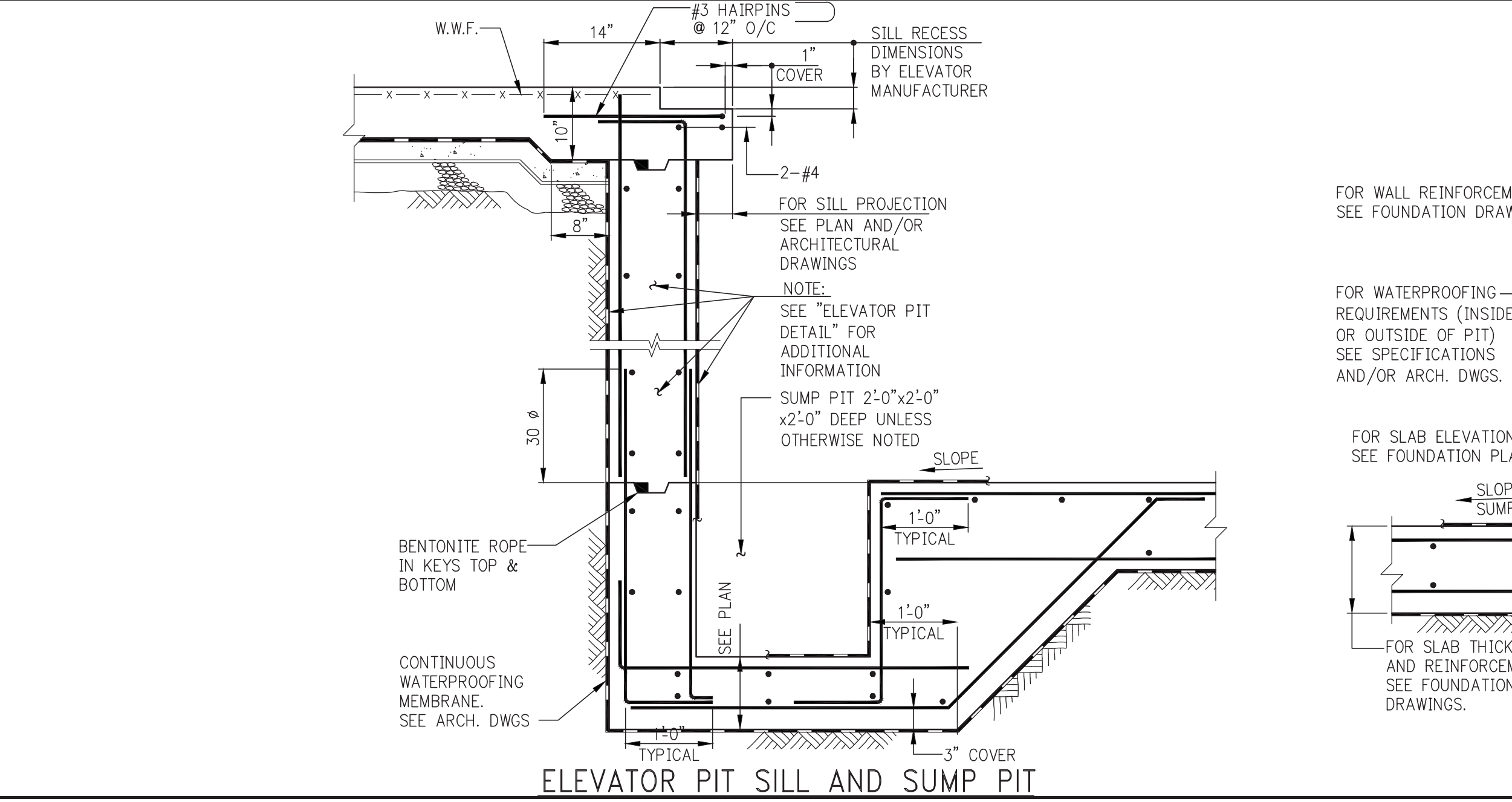
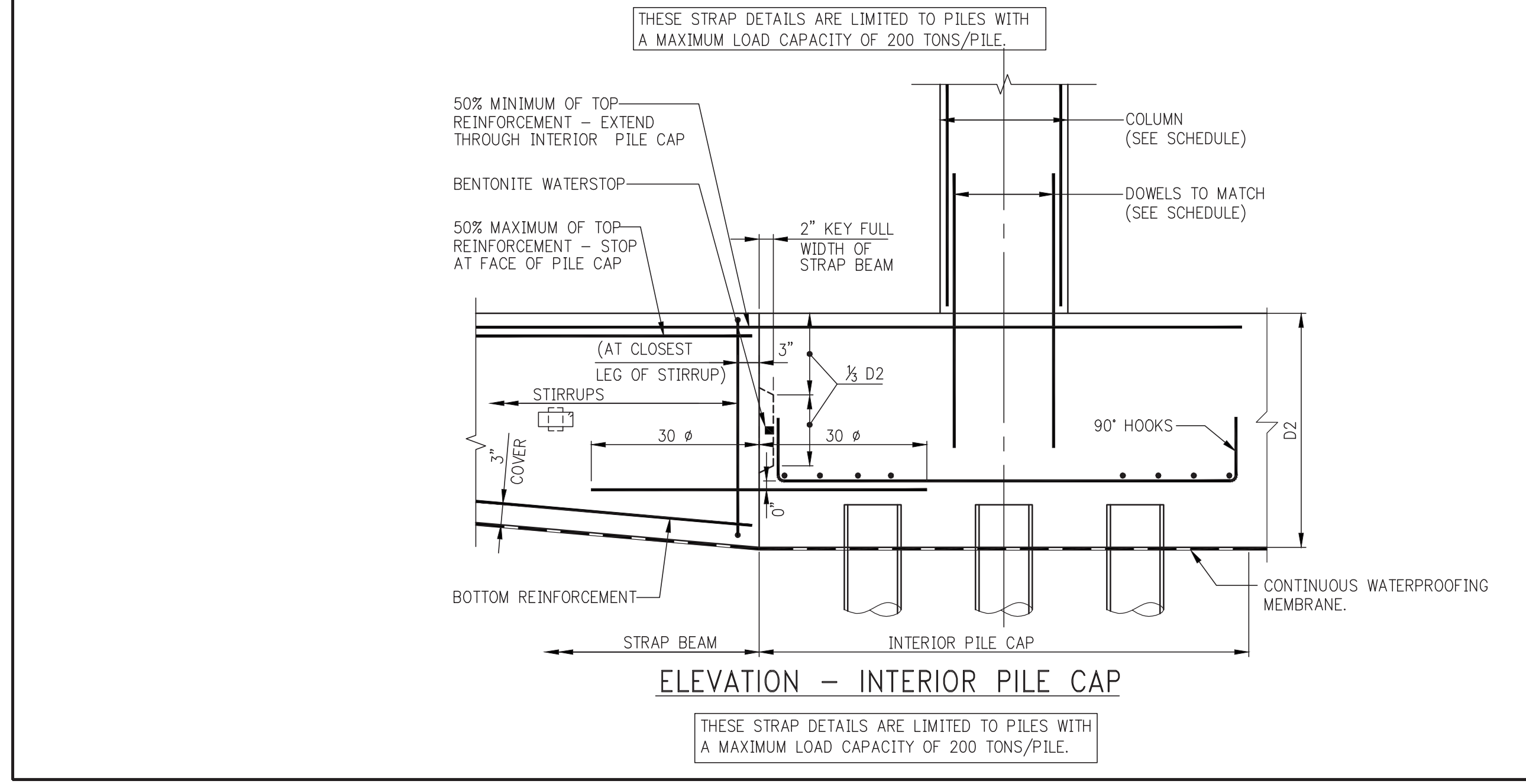
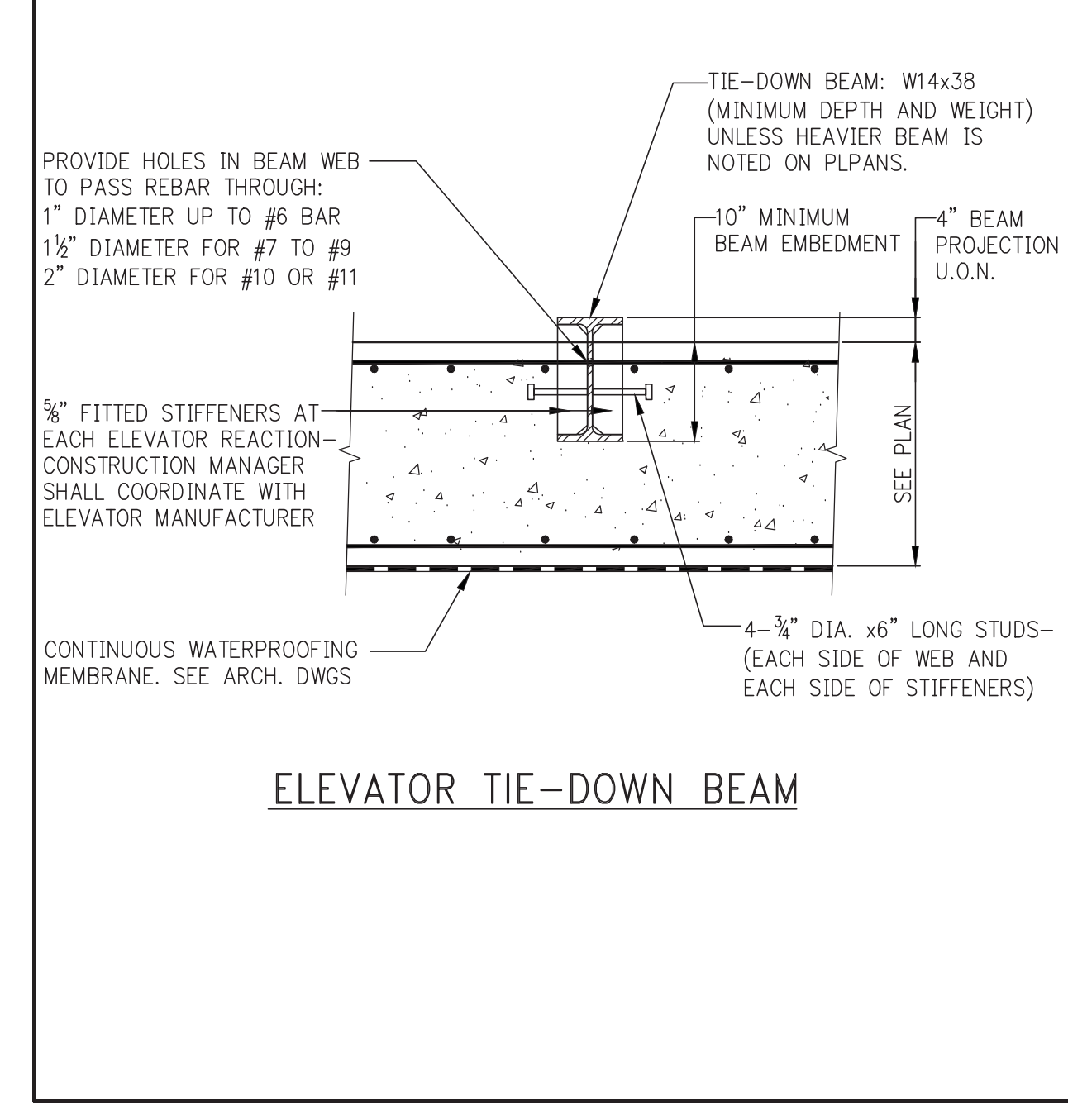
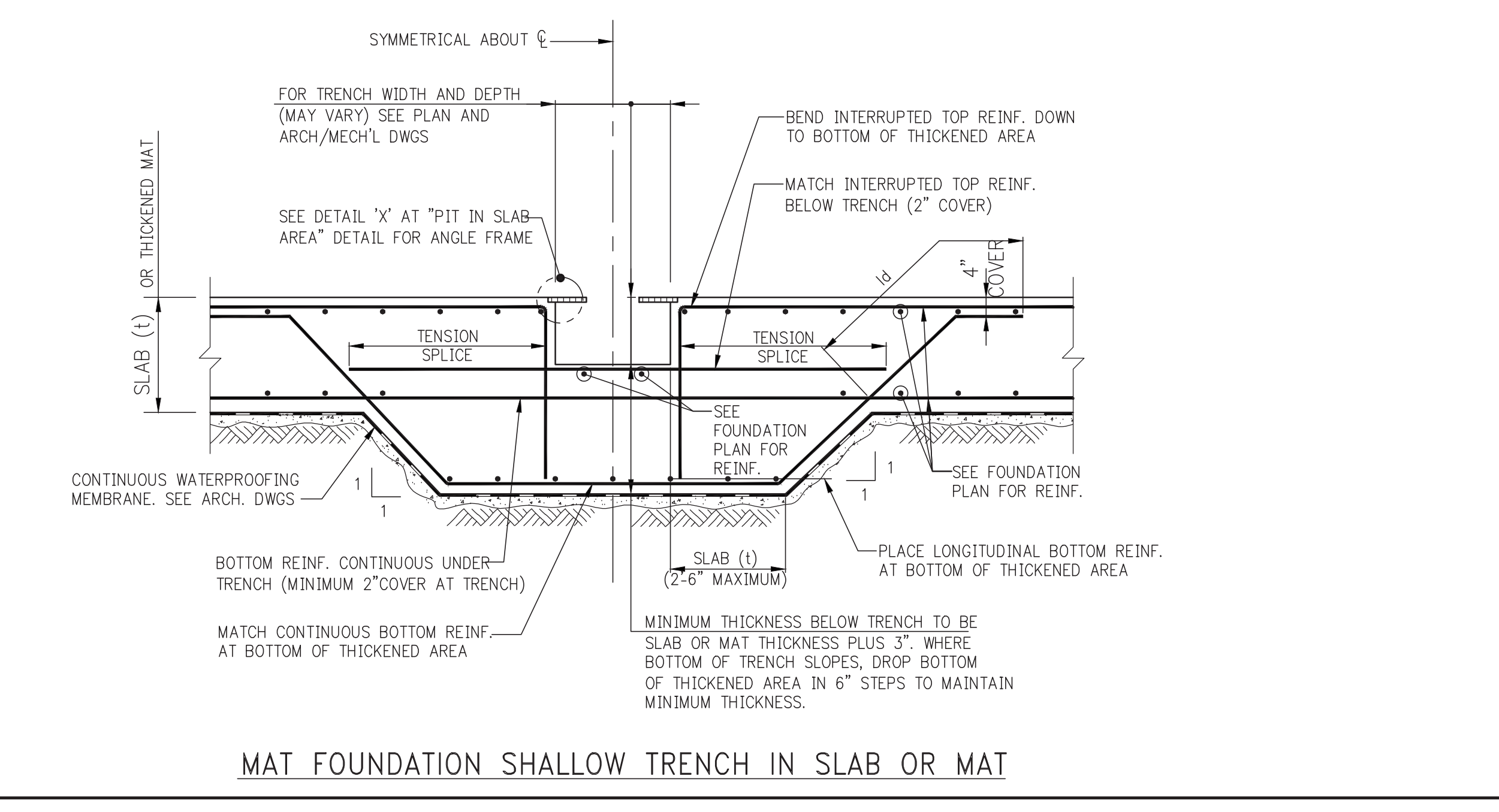
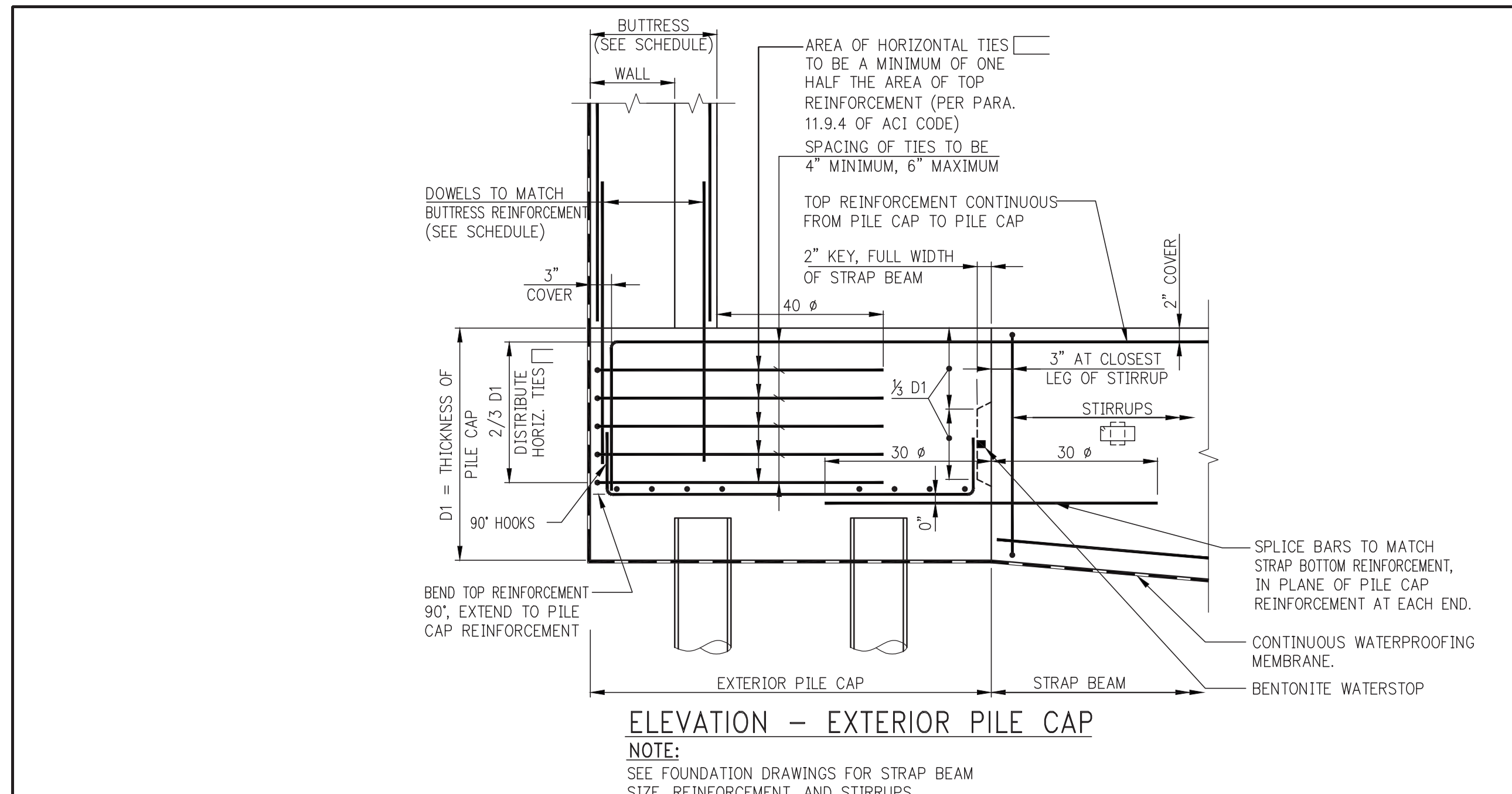
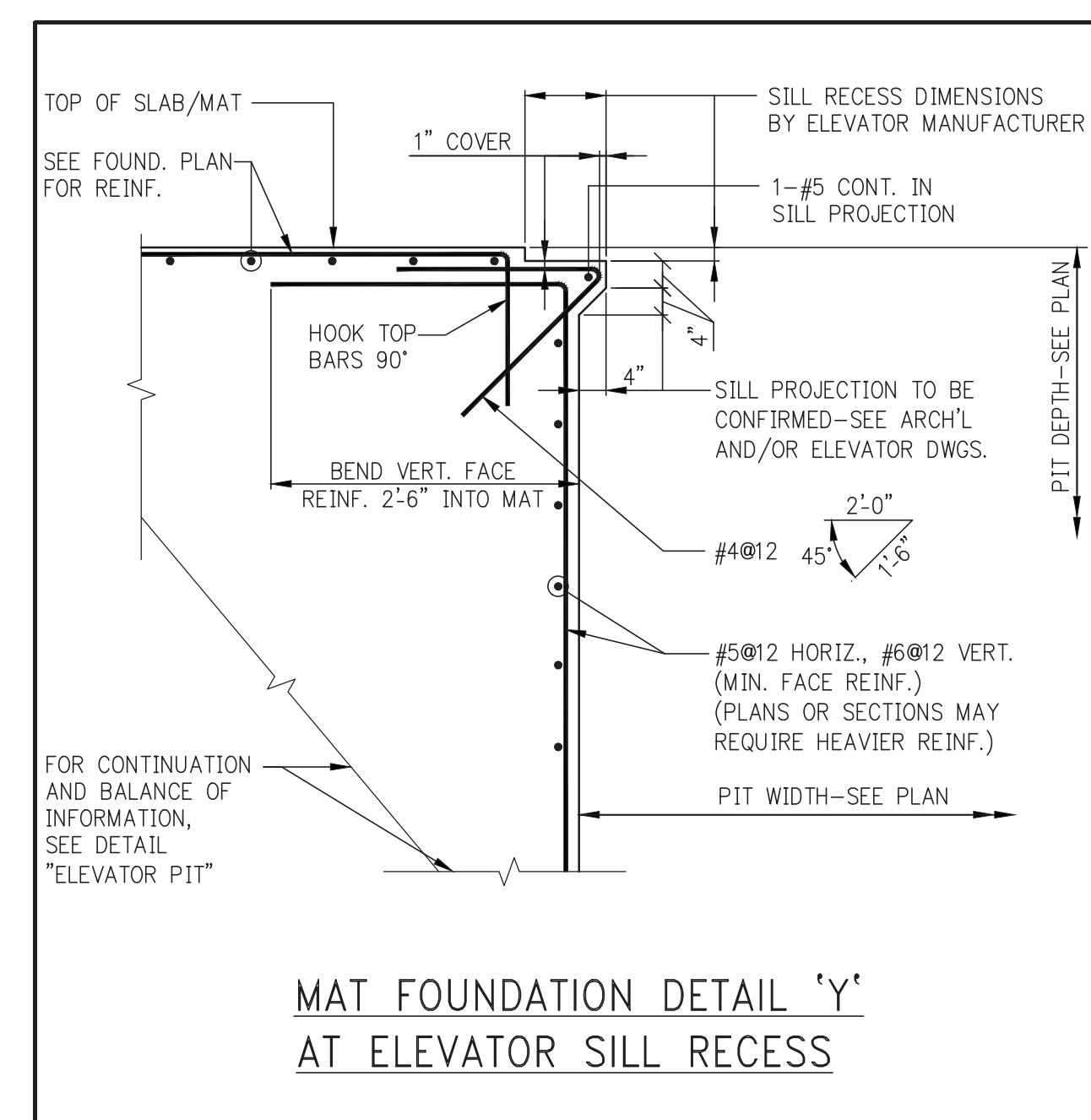
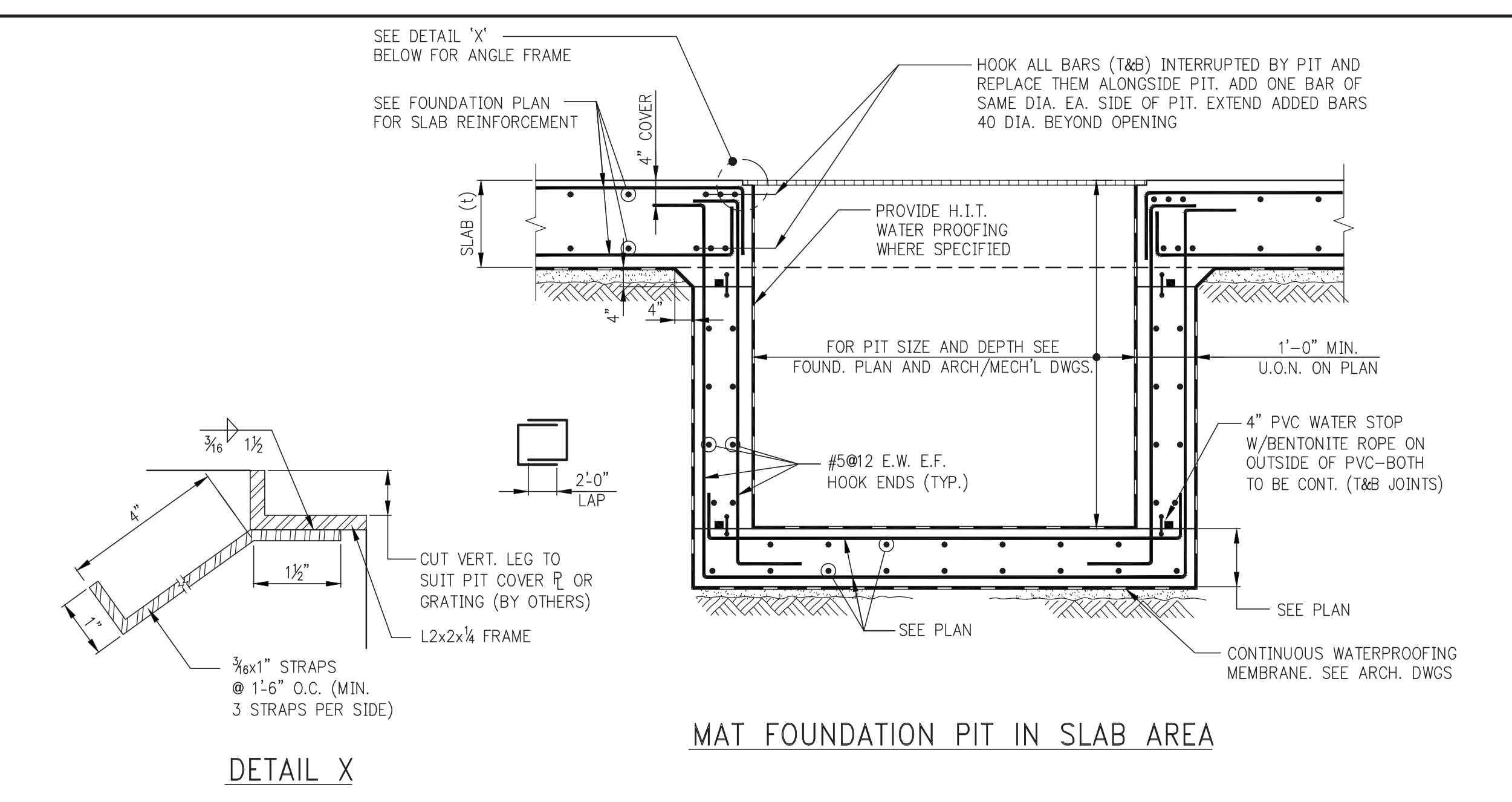
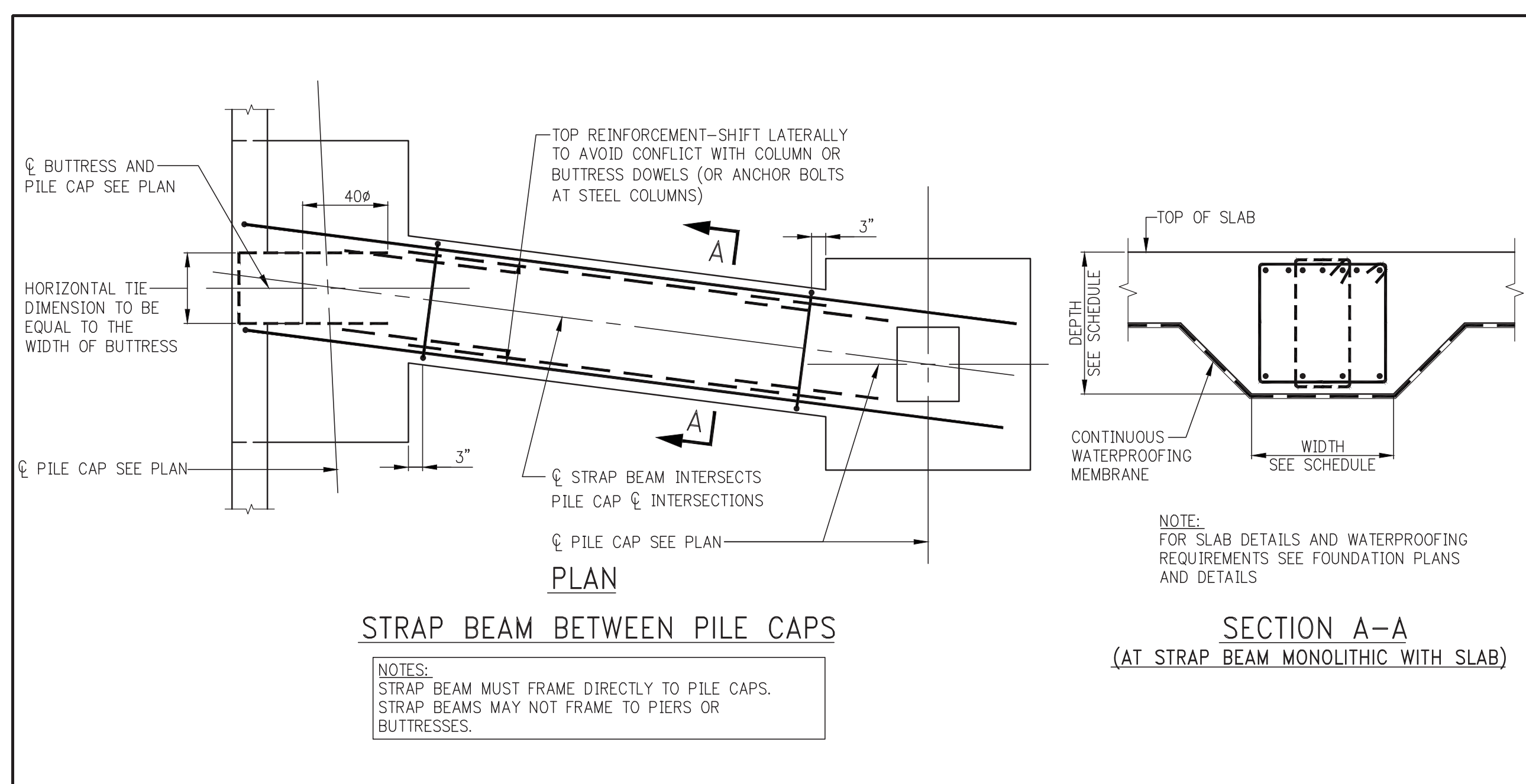
CONSULTANT:
AAI ARCHITECTS, P.C.

PROJECT:
**250 SOUTH STREET
 NEW YORK, NY**

DRAWING TITLE:
**TYPICAL FOUNDATION
 DETAILS 3**

SEAL & SIGNATURE: [Signature]
 DATE: 07/25/14
 PROJECT No: 1302510
 DRAWN: CADD REV:
 CHK: CL
 SCALE: N.T.S.
 DWG No: **FO-202.00**
 DOB PAGE No: of
 DOB EMPLOYEE STAMP: [Stamp] DOB B-SCAN:





KEY PLAN

PROJECT: NORTH TRUE NORTH

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 805 Third Ave, 7th Floor
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| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | SOF DO | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR COORDINATION | 08-15-14 |
| 7 | ISSUED FOR FOUNDATION BID | 08-29-14 |

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ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT: **AAI ARCHITECTS, P.C.**

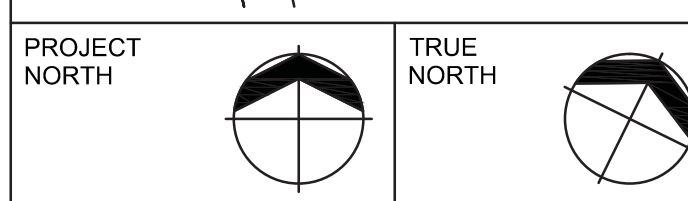
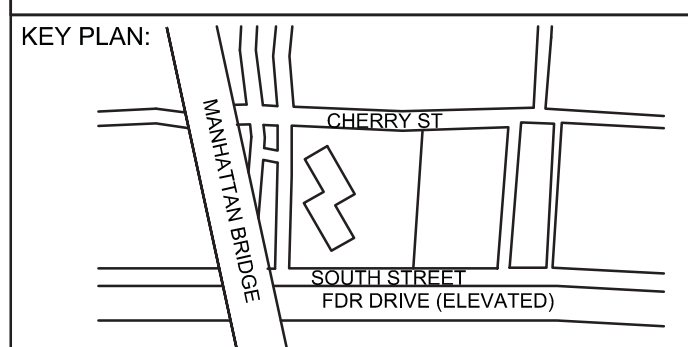
PROJECT: **250 SOUTH STREET NEW YORK, NY**

DRAWING TITLE: **TYPICAL FOUNDATION DETAILS 4**

SEAL & SIGNATURE: **FO-203.00**

DATE: 07/25/14
 PROJECT No: 1302510
 DRAWN: CADD REV: CL
 CHK: CL
 SCALE: N.T.S.
 DWG No: **FO-203.00**
 DOB PAGE No: of
 DOB EMPLOYEE STAMP: of DOB B-SCAN:

Damian Titus
 Buildings APPROVED Under Directive 2 of 1975
 Date: 10/15/2014
 NYC Development Hub



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10022
TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD:
AAI ARCHITECTS, P.C.
14 Wall Street, 2nd Floor
New York, NY 10005
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INTERIOR DESIGNER:
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LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
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GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|---------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | SOF DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |

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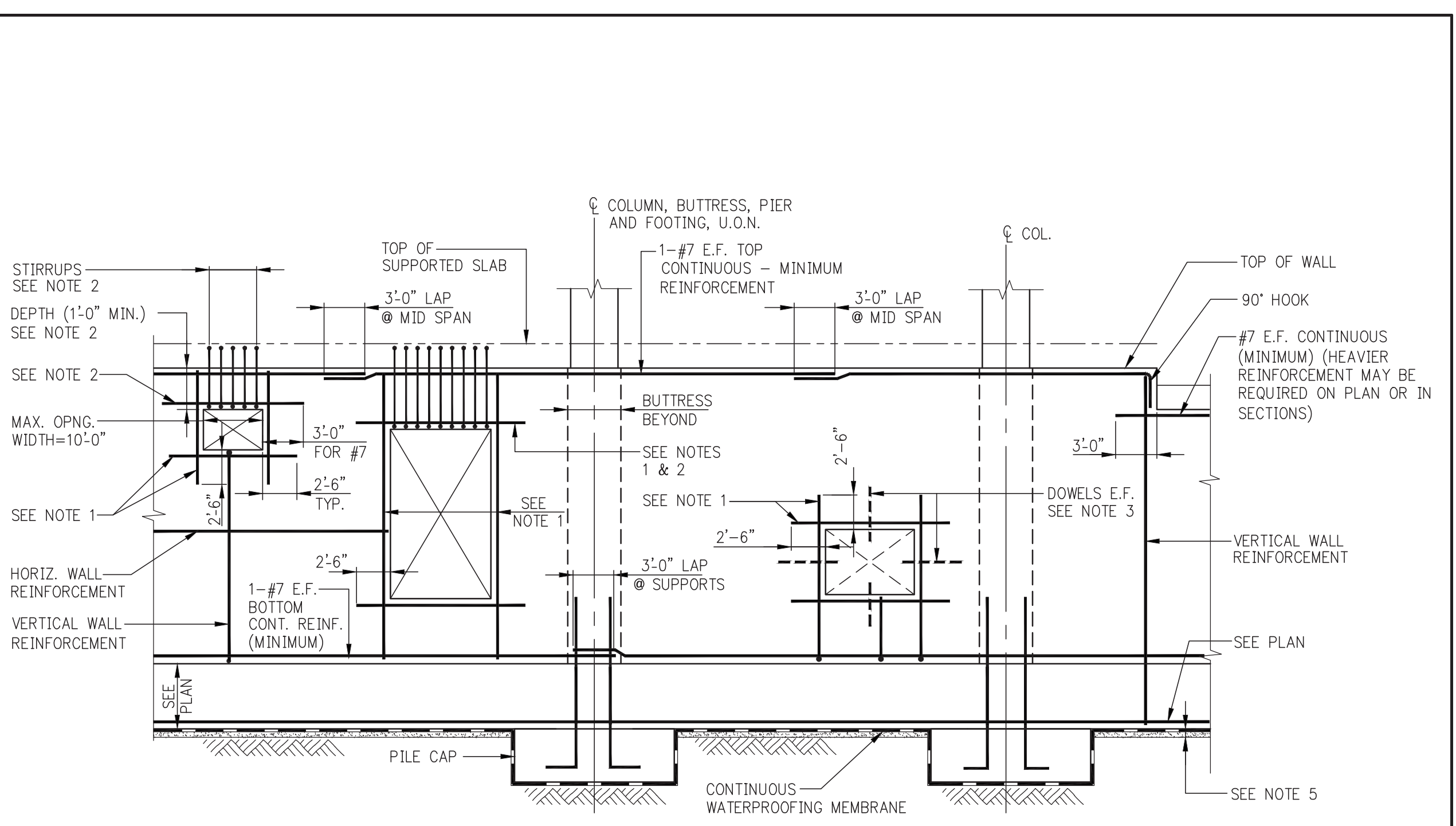
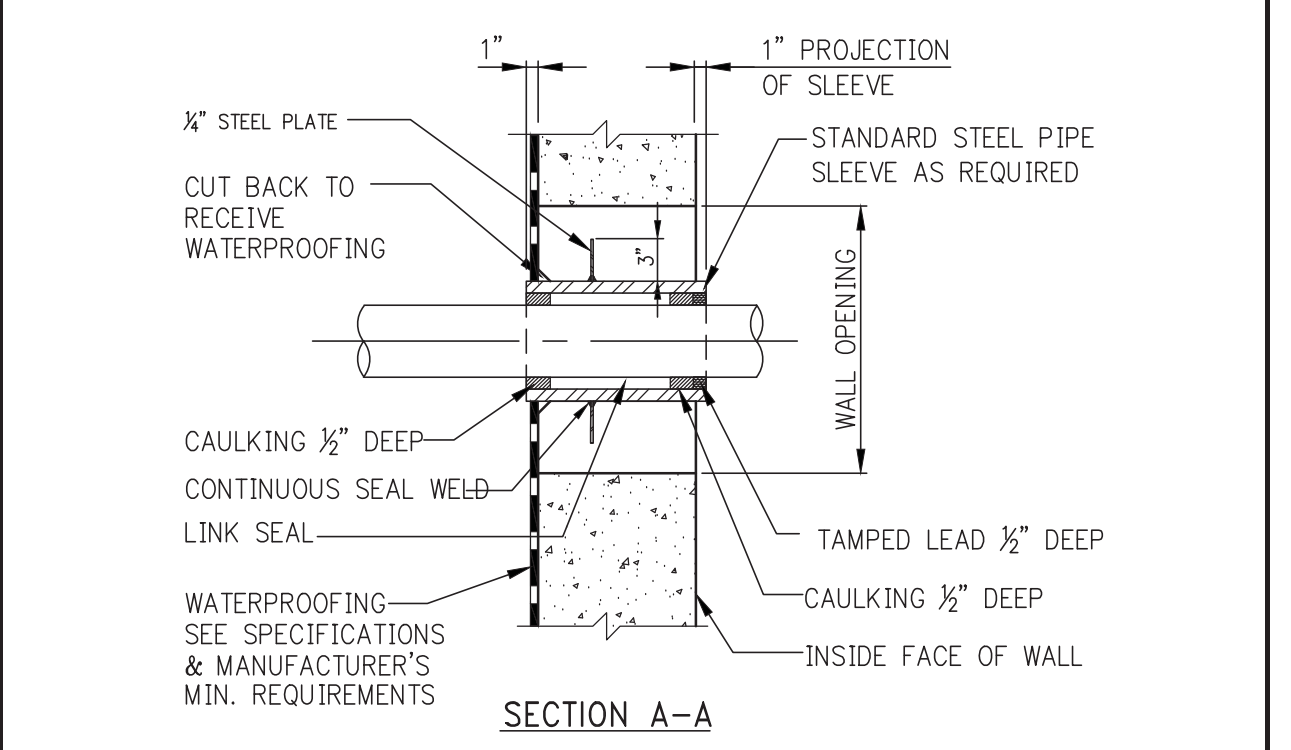
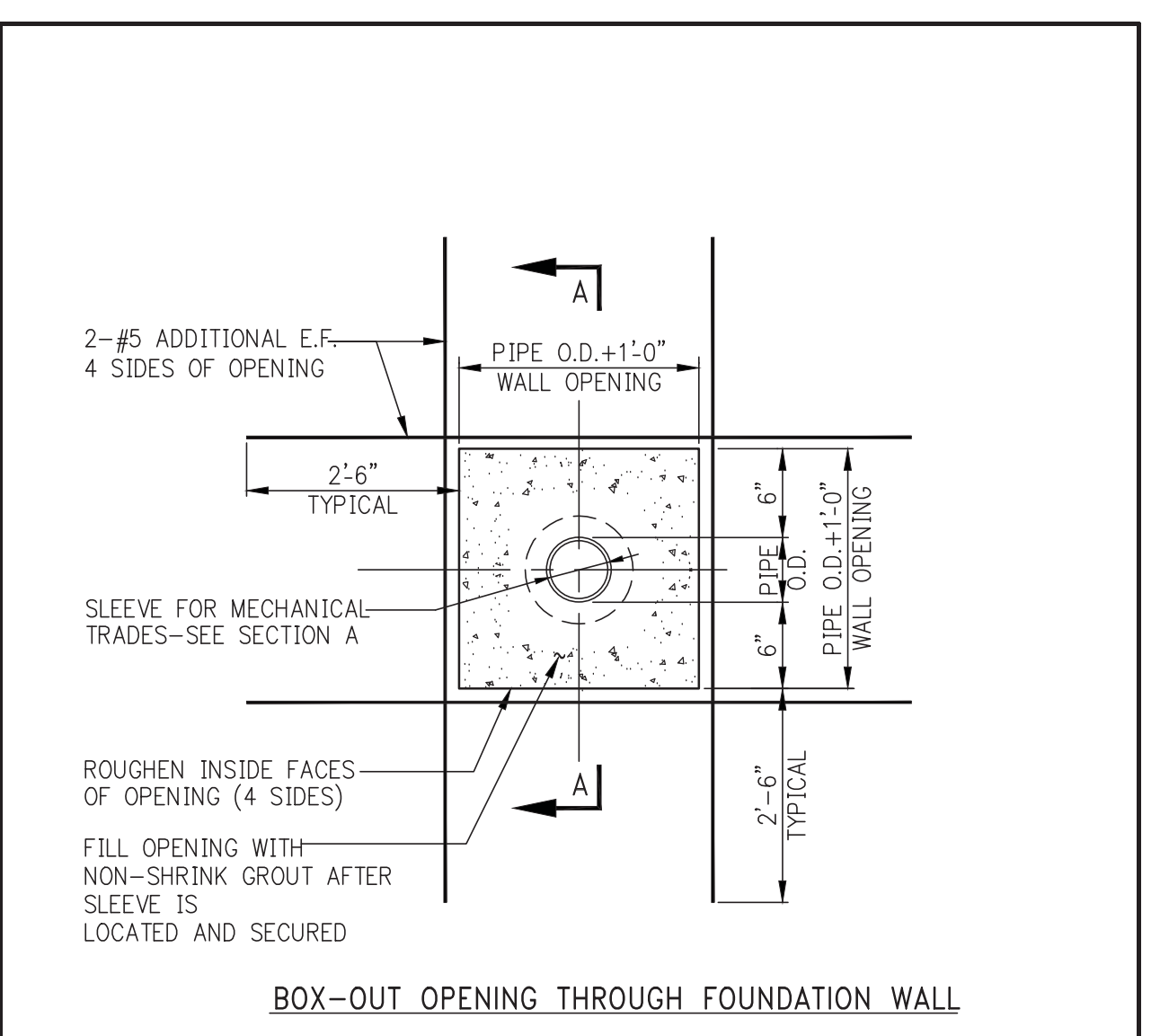
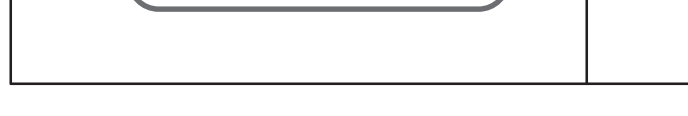
CONSULTANT:
AAI ARCHITECTS, P.C.

PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
**TYPICAL FOUNDATION
DETAILS 5**

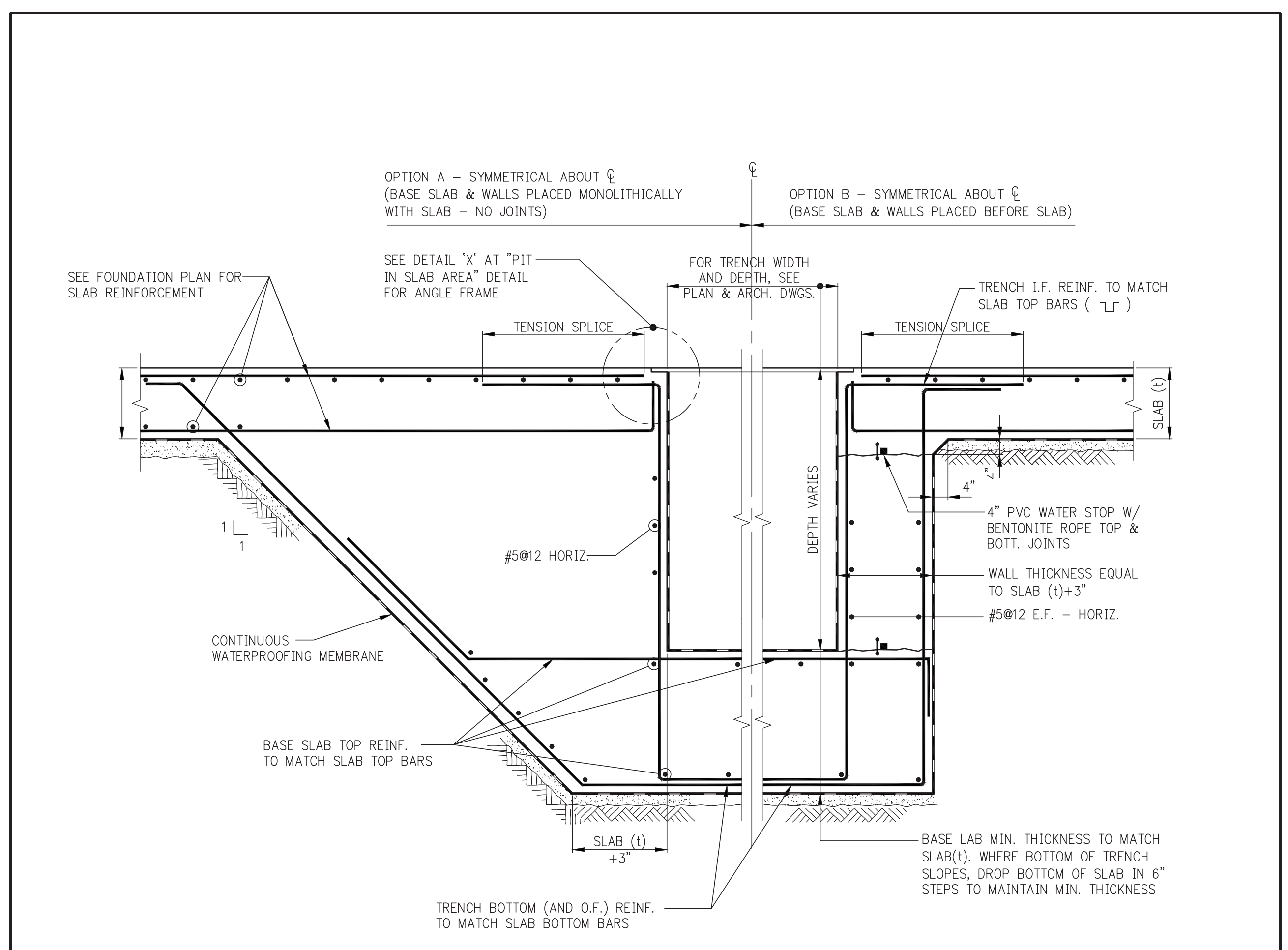
DATE: 07/25/14
PROJECT No: 1302510
DRAWN: CADD REV:
CHK: CL
SCALE: N.T.S.
DWG No:
FO-204.00

DOB EMPLOYEE STAMP: **Damian Titus**
DOB B-SCAN:



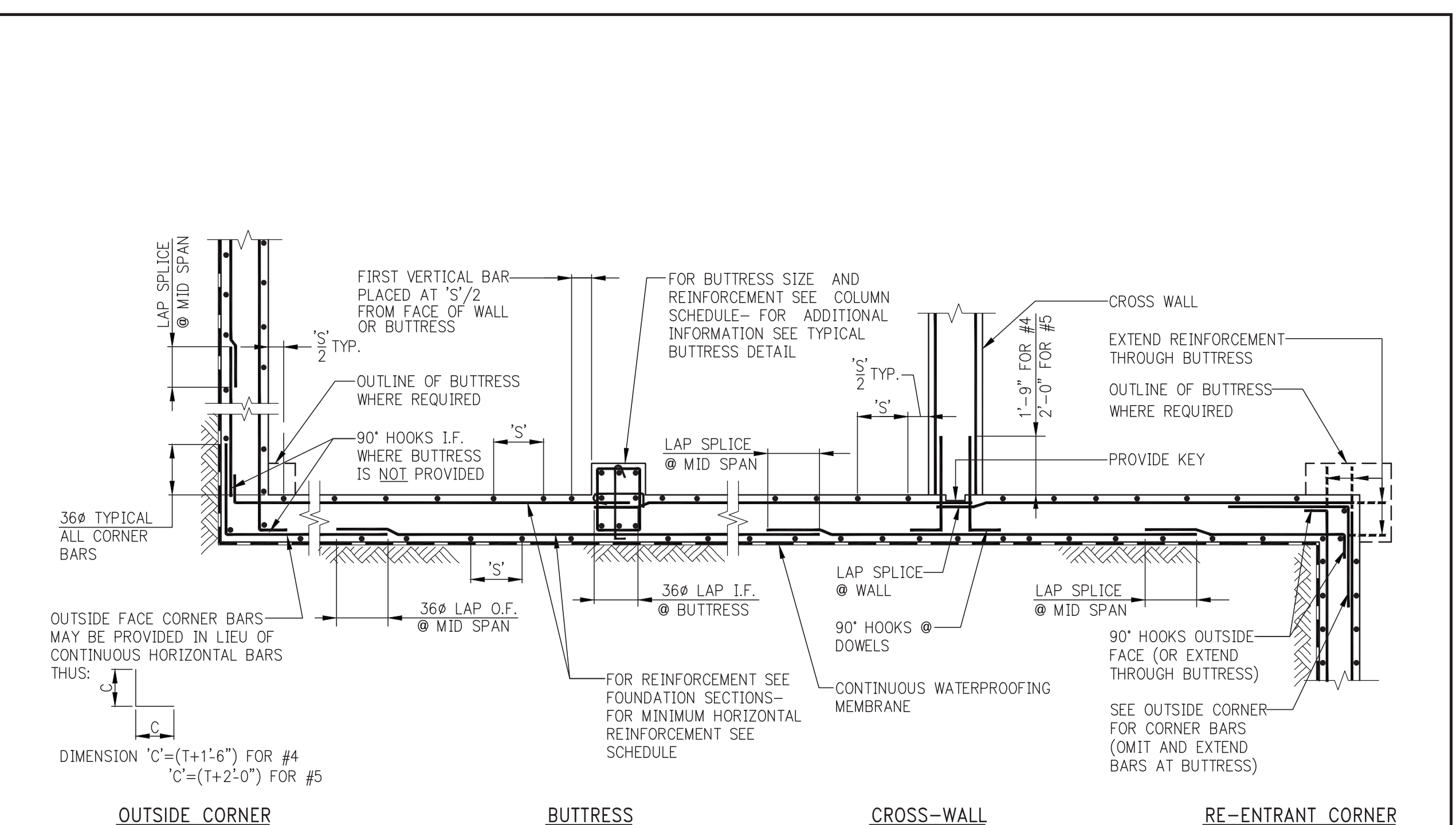
FOUNDATION WALL ELEVATION SHOWING REINFORCEMENT AT OPENINGS AND MISCELLANEOUS DETAILS

- NOTES:
- ADD #5 BARS (HORIZ. & VERT.) AT ALL FOUR EDGES OF OPENINGS. AREA OF ADDED BARS AT EACH EDGE TO BE EQUAL TO ONE HALF OF AREA OF INTERRUPTED BARS IN THE CORRESPONDING DIRECTION. PROVIDE A MINIMUM OF 1-#5 E.F.
 - WHERE TOP EDGE OF OPENING IS LESS THAN 2'-6" FROM TOP OF WALL ADD 1-#7 E.F. (IN LIEU OF #5) OVER OPENING. PROVIDE #4 [L] STIRRUPS @ 8" - EXTEND INTO SLAB WITH 2" COVER AT TOP OF STIRRUPS.
 - AT UTILITY ACCESS OPENINGS WHICH ARE TO BE FILLED IN WITH CONCRETE, PROVIDE DOWELS PROJECTING 1'-0" INTO OPENING, EITHER EXTEND HORIZONTAL AND VERTICAL WALL REINFORCEMENT, OR ADD #4@12 E.F. DOWELS x2'-6" LONG.
 - FOR ACTUAL OPENING SIZES AND LOCATIONS, SEE PLANS, SECTIONS, ARCHITECTURAL DWGS., AND MEP DWGS. SUBMIT SHOP DRAWINGS WITH WALL ELEVATIONS SHOWING ALL OPENINGS AND REINFORCEMENT.
 - PROVIDE FOOTING OR CONCRETE MUD SLAB TO SUPPORT WALL FORMS AND WET CONCRETE. SEE FOUNDATION SECTIONS ON FS-300 SERIES DRAWINGS FOR ADDITIONAL DETAILS.



MAT FOUNDATION TRENCH IN SLAB AREA (DEEPER THAN SLAB)

NOTE:
TOP AND BOTTOM SLAB REINF. MUST BE LAP SPICED AND HOOKED AS SHOWN TO MAINTAIN MOMENT CAPACITY CONTINUITY.



VERTICAL CONSTRUCTION JOINT IN FOUNDATION WALL

- NOTES:
- CONSTRUCTION JOINTS IN WALLS SHALL BE LOCATED AT LEAST FOUR FEET FROM FACE OF SUPPORTING PIER, FOOTING, PILE CAP, ETC. OR FROM WALL OPENING.
 - MAXIMUM SPACING BETWEEN JOINTS SHALL BE FORTY FEET UNLESS NOTED OTHERWISE ON THE FOUNDATION DRAWINGS.
 - CONCRETE SHALL NOT BE PLACED IN THE POUR GAP UNTIL 24 HOURS AFTER PLACEMENT OF THE MOST RECENT ADJACENT SECTION.
 - FOR JOINTS IN SHEARWALLS SEE DETAILS IN FS-400 OR S-400 SERIES.

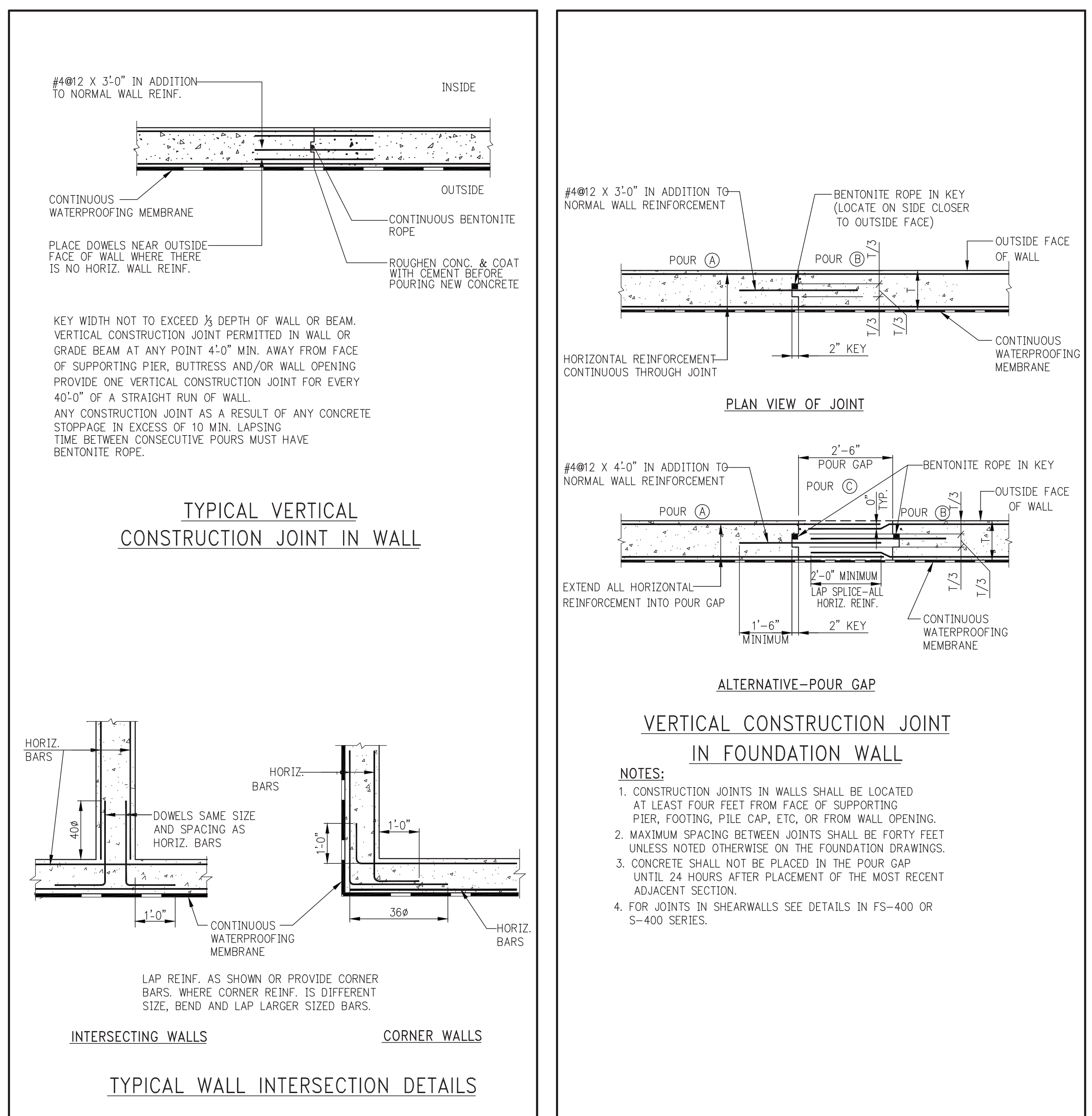


TABLE #1: TENSION LAP SPLICES (CLASS B MINIMUM)

Table with 2 columns: TABLE 1.A: 3/4" COVER TO OUTER LAYER BARS and TABLE 1.C: 1 1/2" COVER TO OUTER LAYER BARS. Rows include bar size and concrete strength (f'c).

Table with 2 columns: TABLE 1.B: 3/4" COVER TO OUTER LAYER BARS and TABLE 1.D: 1 1/2" COVER TO OUTER LAYER BARS. Rows include bar size and concrete strength (f'c).

TABLE #2: TENSION DEVELOPMENT LENGTHS (Ld) (IN INCHES)

Table with 2 columns: TABLE 2.A: 3/4" COVER TO OUTER LAYER BARS and TABLE 2.C: 1 1/2" COVER TO OUTER LAYER BARS. Rows include bar size and concrete strength (f'c).

Table with 2 columns: TABLE 2.B: 3/4" COVER TO OUTER LAYER BARS and TABLE 2.D: 1 1/2" COVER TO OUTER LAYER BARS. Rows include bar size and concrete strength (f'c).

TABLE #3: TENSION DEVELOPMENT LENGTHS FOR STANDARD END HOOKS (ldh) (LENGTHS IN INCHES)

Table with 2 columns: BAR SIZE and CONCRETE STRENGTH (PSI). Rows include bar sizes #3 through #18.

NOTES: 1. TABLE 3 CONFORMS TO ACI 318-2002 (AND 2005). TABULATED VALUES ARE BASED UPON ACI 12.5.2... 2. PER ACI 12.5.3 (c), FOR #11 AND SMALLER BARS...

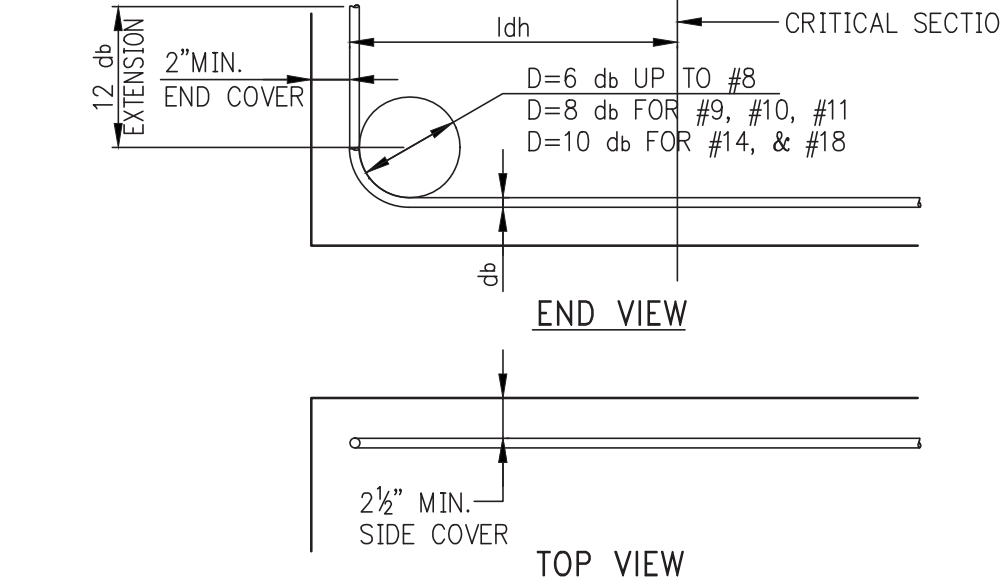


TABLE #4: COMPRESSION LAP SPLICES (LENGTHS IN INCHES)

Table with 2 columns: BAR SIZE and GRADE OF REINFORCEMENT. Rows include bar sizes #3 through #18.

NOTES: 1. LAP SPLICES ARE NOT PERMITTED... 2. LAP SPLICES OF #14 AND #18 BARS TO #11 AND SMALLER BARS ARE PERMITTED... 3. FOR BARS OF DIFFERENT SIZE, USE LARGER OF: SPLICE LENGTH OF SMALLER BAR (TABLE #4) OR DEVELOPMENT LENGTH OF LARGER BAR (FROM TABLE #5) PER ACI 318 (12.16.2).

NOTE: TABLE #4 APPLIES FOR NORMALWEIGHT CONCRETE WITH f'c = 3,000 PSI OR GREATER.

TABLE #5: DEVELOPMENT LENGTHS FOR BARS IN COMPRESSION (LENGTHS IN INCHES)

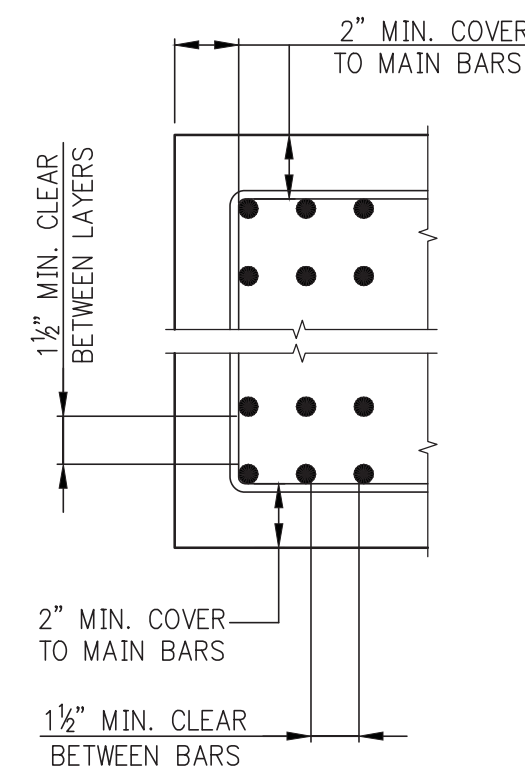
Table with 3 columns: BAR SIZE, fy = 60,000 PSI, fy = 75,000 PSI, and fy = 80,000 PSI. Rows include bar sizes #3 through #18.

NOTES FOR TENSION LAP SPLICES

- 1. REINFORCEMENT IS UNCOATED, WITH Fy=60,000 PSI. 2. CONCRETE IS NORMAL WEIGHT (144-150#/C.F.). 3. FOR "TOP" BAR SPLICE LENGTHS ("TOP" IS DEFINED BY ACI 318 AS HAVING MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE BAR)...

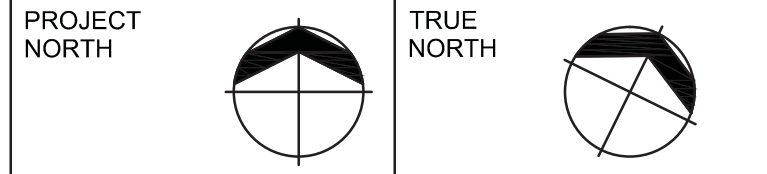
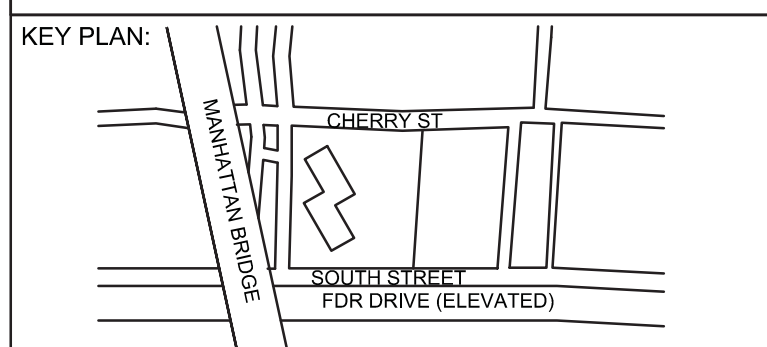
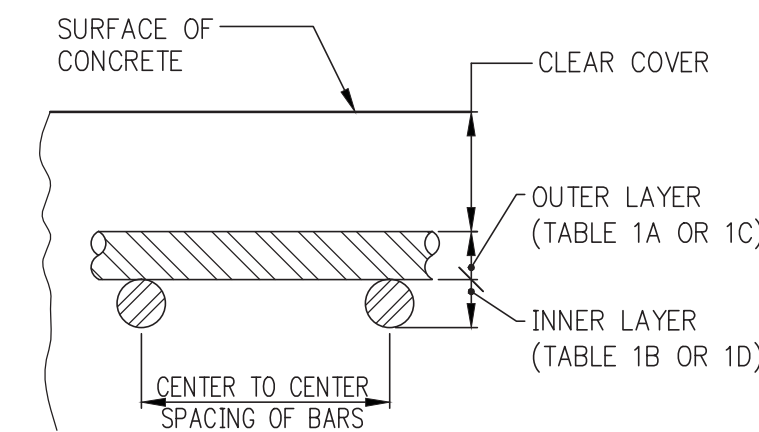
NOTES FOR TENSION DEVELOPMENT LENGTHS (Ld)

- 1. REINFORCEMENT IS UNCOATED, WITH Fy=60,000 PSI. 2. CONCRETE IS NORMAL WEIGHT (144-150#/C.F.). 3. FOR "TOP" BAR DEVELOPMENT LENGTHS ("TOP" IS DEFINED BY ACI 318 AS HAVING MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE BAR)...



MULTIPLE LAYERS

PROVIDE MINIMUM COVER AND CLEARANCES SHOWN, USE TABLE 1.A FOR LAP SPLICE LENGTHS.



DEVELOPER: EXTCELL DEVELOPMENT COMPANY 805 Third Ave, 7th Floor New York, NY 10022 TEL: 212-712-6000 FAX: 212-712-6100

ARCHITECT OF RECORD: AAI ARCHITECTS, P.C. 14 Wall Street, 2nd Floor New York, NY 10005 TEL: 212-964-4040 FAX: 212-964-4090

INTERIOR DESIGNER: MEYER DAVIS 180 Varick St, suite 404 New York, NY 10014 TEL: 212-627-6574

LANDSCAPE DESIGNER: WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C. 333 Hudson Street, Suite 905 New York, NY 10013 TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS: WSP 228 East 45th Street New York, NY 10017 TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS: ICOR ASSOCIATES, LLC 485 C Route 1 South, Suite 200 Iselin, NJ 08830 TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS: LANGAN ENGINEERING & ENVIRONMENTAL SERVICES 21 Penn Plaza - 360 West 31st Street, 8th Floor New York, NY 10001 TEL: 212.479.5400 FAX: 212.479.5444

Table with 3 columns: No., DESCRIPTION, and DATE. Rows include ISSUED FOR DOT, FOUNDATION FILING, ISSUED FOR FOUNDATION BID, SOI DD, ISSUED FOR DOT, and ISSUED FOR FOUNDATION BID.

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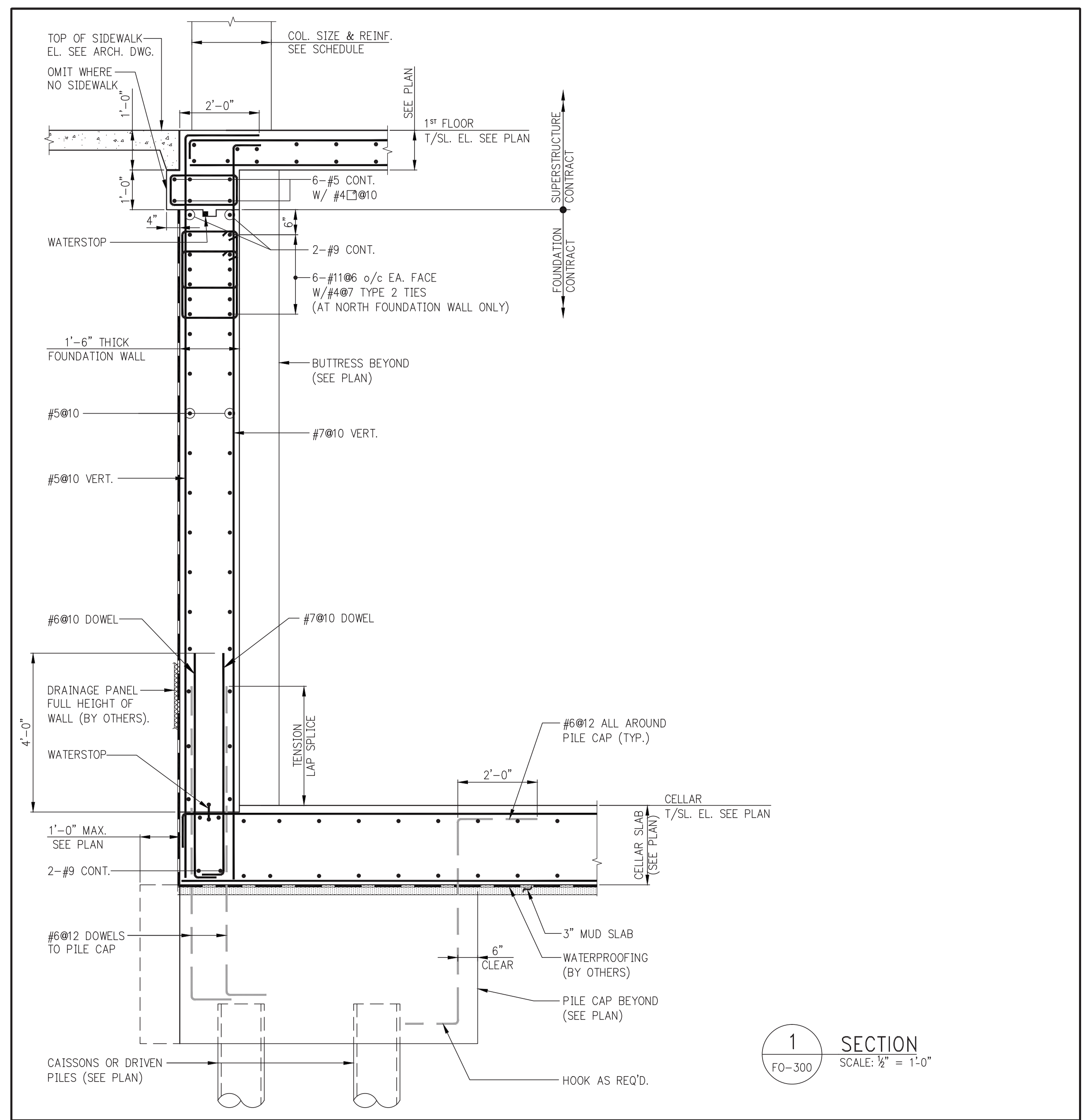
CONSULTANT: AAI ARCHITECTS, P.C.

PROJECT: 250 SOUTH STREET NEW YORK, NY

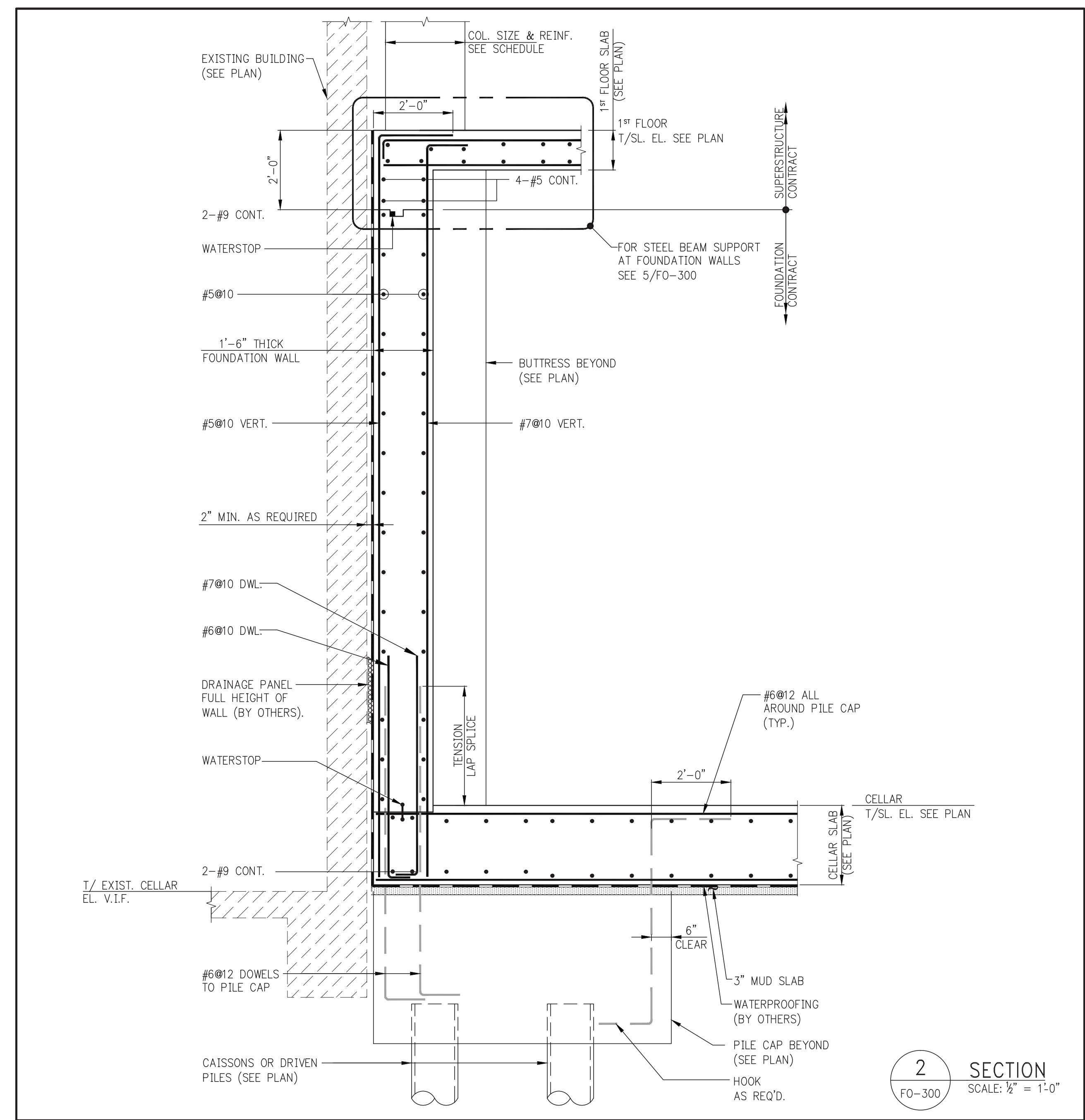
DRAWING TITLE: TYPICAL FOUNDATION DETAILS 6

SEAL & SIGNATURE: [Professional Engineer Seal] DATE: 07/25/14 PROJECT No: 1302510 DRAWN: CADD REV: CHK: CL SCALE: N.T.S. DWG No: FO-205.00 DOB PAGE No: of DOB EMPLOYEE STAMP: DOB B-SCAN:

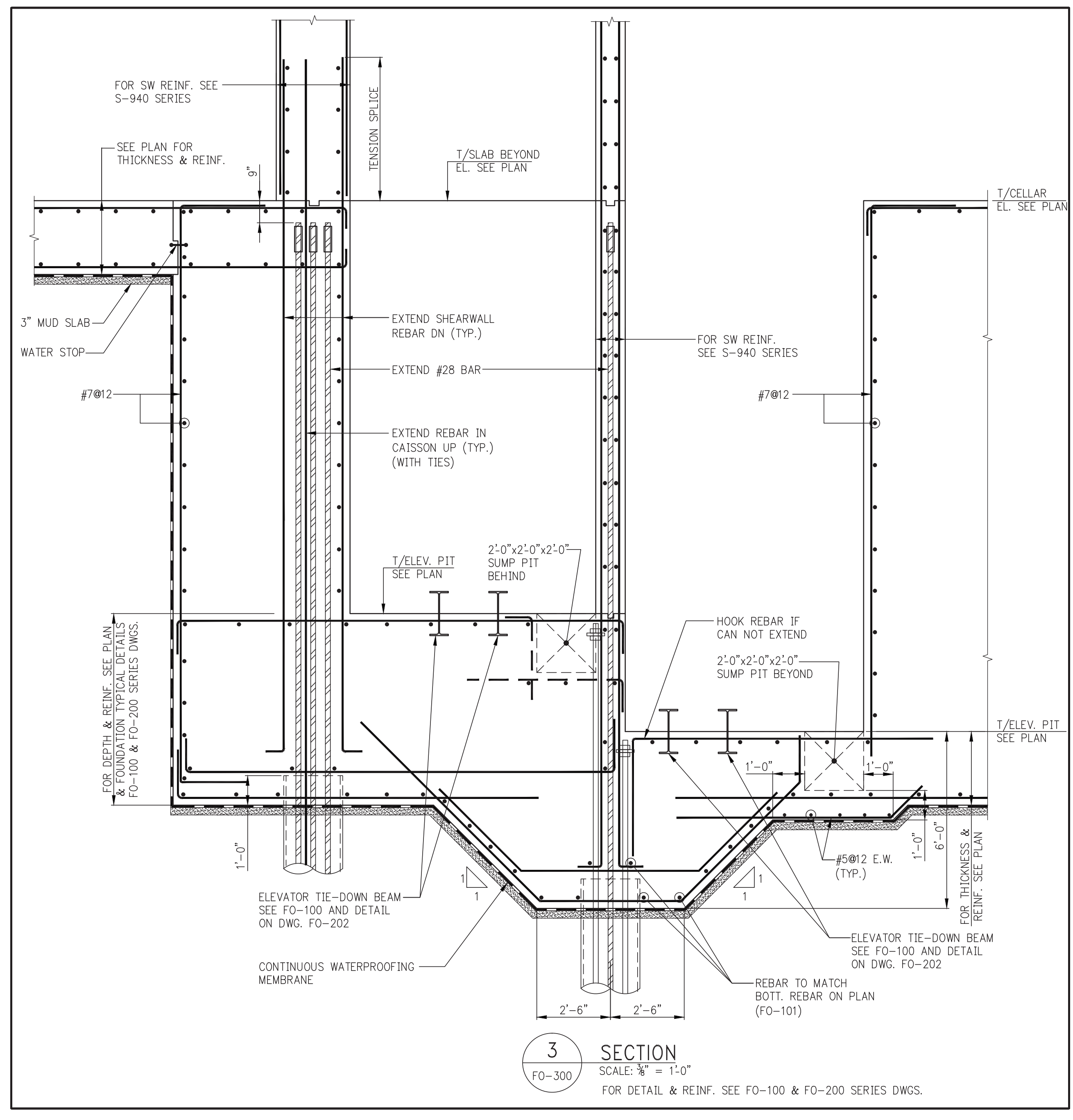
Damian Titus Buildings APPROVED Under Directive 2 of 1975 Date: 10/15/2014 NYC Development Hub



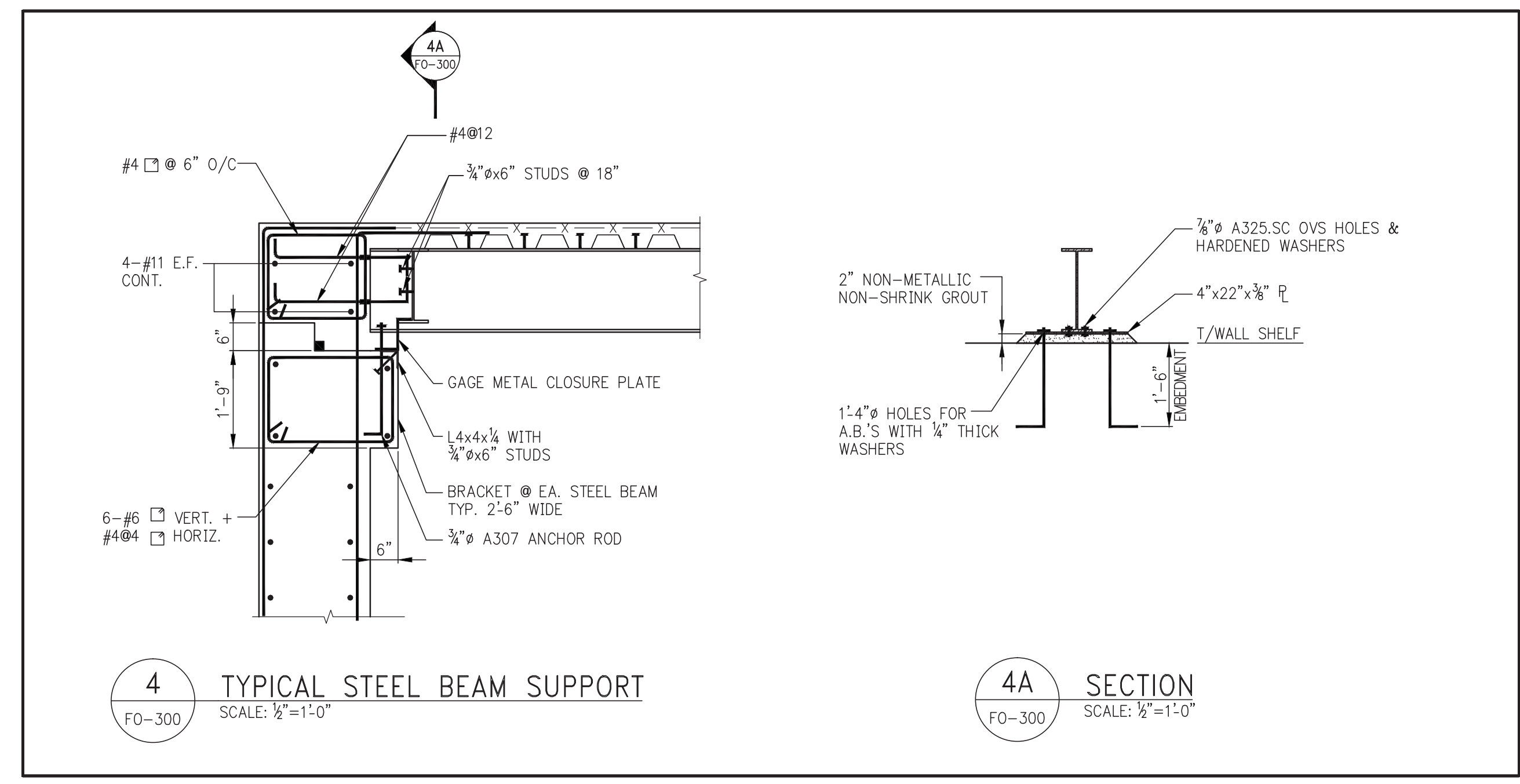
1 SECTION
FO-300 SCALE: 1/2" = 1'-0"



2 SECTION
FO-300 SCALE: 1/2" = 1'-0"

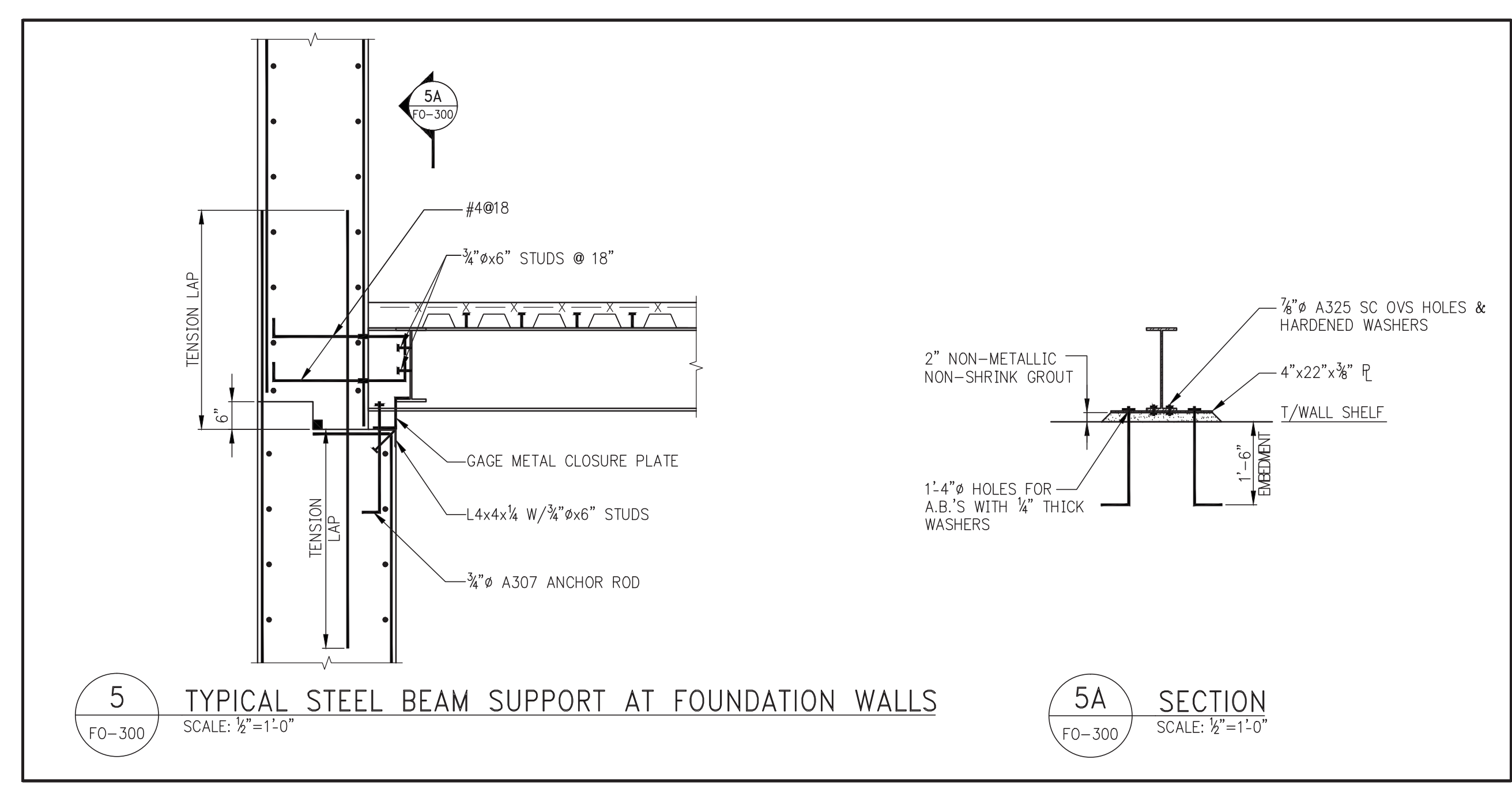


3 SECTION
FO-300 SCALE: 1/2" = 1'-0"
FOR DETAIL & REINF. SEE FO-100 & FO-200 SERIES DWGS.



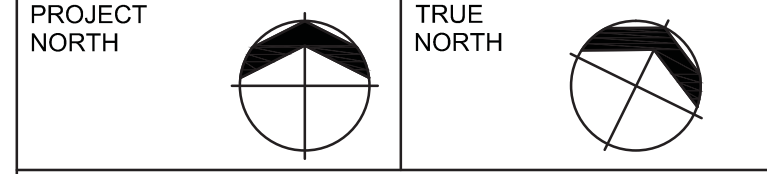
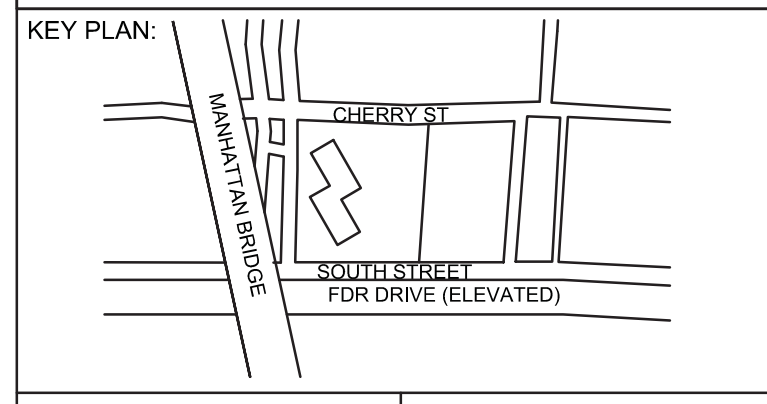
4 TYPICAL STEEL BEAM SUPPORT
FO-300 SCALE: 1/2" = 1'-0"

4A SECTION
FO-300 SCALE: 1/2" = 1'-0"



5 TYPICAL STEEL BEAM SUPPORT AT FOUNDATION WALLS
FO-300 SCALE: 1/2" = 1'-0"

5A SECTION
FO-300 SCALE: 1/2" = 1'-0"



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New York, NY 10001
TEL: 212.479.5400 FAX: 212.479.5444

| No. | DESCRIPTION: | DATE: |
|-----|---------------------------|----------|
| 1 | 50% SD | 02-28-14 |
| 2 | 100% SD | 04-25-14 |
| 3 | ISSUED FOR DOT | 04-28-14 |
| 4 | FOUNDATION FILING | 06-10-14 |
| 5 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 6 | 50% DD | 08-01-14 |
| 7 | ISSUED FOR DOT | 08-07-14 |
| 8 | ISSUED FOR FOUNDATION BID | 08-29-14 |

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CONSULTANT:
AAI ARCHITECTS, P.C.

PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
FOUNDATION SECTIONS 1

SEAL & SIGNATURE: [Professional Engineer Seal] DATE: 07/25/14
 PROJECT No: 1302510
 DRAWN: CDD REV: CL
 CHK: [Signature] SCALE: AS SHOWN
 DWG No: **FO-300.00**
 DOB PAGE No: of DOB B-SCAN:

Damian Titus
 Buildings APPROVED
 Under Directive 2 of 1975
 Date: 10/15/2014
 NYC Development Hub

30" x 42" PANEL SHEET SIZE

ABBREVIATIONS:

Table of abbreviations for construction terms, including ANCHOR BOLT, ABOVE, AIR CONDITIONER, AMERICAN CONCRETE INSTITUTE, etc.

NON-STRUCTURAL ITEMS SHOWN ON THE STRUCTURAL/FOUNDATION DRAWINGS

- List of non-structural items to be shown on drawings, including foundation/underslab waterproofing, dampproofing systems, brick/block tile masonry, etc.

CONTROLLED INSPECTIONS

Table of controlled inspections with columns for (TERMINOLOGY PER SPECIAL INSPECTION), CURRENT CODE REFERENCES, and (PREVIOUS TERMINOLOGY) "CONTROLLED INSPECTION".

* THESE TEST MUST BE PERFORMED BY A LICENSED CONCRETE TESTING LAB.

- NOTES: 1. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SCOPE AND DETAILED REQUIREMENTS FOR INSPECTIONS. 2. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN APPROVED SPECIAL INSPECTION AGENCY ACCEPTABLE TO THE ENGINEER OF RECORD.

PILE NOTES:

- 1. FOUNDATION DESIGN AND PILE STRENGTH ARE BASED ON GEOTECHNICAL REPORT BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C. DATED JANUARY 2, 2014. 2. PILE CAPACITIES SEE DWG. FO-100.

STRUCTURAL STEEL NOTES:

- 1. STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE. ALL STEEL TO BE ASTM A992 FOR ROLLED SECTIONS & A572 FOR PLATES HAVING A MINIMUM YIELD OF 50,000 PSI U.O.N. 2. ALL STRUCTURAL RECTANGULAR AND SQUARE HSS TO BE A500 GR. B (Fy = 46KSI) STRUCTURAL ROUND HSS TO BE A500 GR. B (Fy = 46KSI) STRUCTURAL CHANNELS TO BE A36 (Fy = 36KSI) ANCHOR BOLTS TO BE F1554 GR. 55 WELDABLE (Fy = 55KSI) STRUCTURAL ANGLES TO BE A36 (Fy = 36KSI) ALL PLATES SHALL BE ASTM A572 GR. 50 (Fy=50 KSI) U.O.N.

- 22. DESIGN OF ALL TEMPORARY STEEL COLUMN BRACING REQUIRED DURING ERECTION SHALL BE THE RESPONSIBILITY OF THE STEEL CONTRACTOR. 23. ALL STEEL BEAMS AND COLUMNS SHALL BE SPRAY FIREPROOFED U.O.N ON ARCH. DWGS. AND SPECS (WITH THE EXCEPTION OF COLUMNS & BEAMS ENCASED IN CONCRETE) SEE ARCH. DRAWINGS FOR APPROPRIATE RATING.

CAISSON NOTES:

- 1. THE DESIGN AND INSTALLATION OF CAISSONS, CAISSON CAPS, AND RELATED CONSTRUCTION IS TO CONFORM TO THE REQUIREMENTS SET FORTH IN THE NEW YORK CITY BUILDING CODE AND THE SPECIFICATIONS. 2. FOR DRILLED CAISSONS SEE PLAN.

GENERAL NOTES:

- 1. ALL WORK TO BE PERFORMED IN COMPLIANCE WITH THE NEW YORK CITY BUILDING CODE, 2008 EDITION AND ALL SUPPLEMENTS. 2. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD AND BE RESPONSIBLE FOR ACCURATE COORDINATION WHERE POSSIBLE. EXISTING FRAMING DIMENSIONS WAS TAKEN FROM EXISTING DWGS. AND SHALL BE VERIFIED ON SITE. DISCREPANCIES SHALL BE REPORTED TO ARCH. AND ENGINEER BEFORE PROCEEDING.

A. EXCAVATION NOTES:

- 1. ALL FOUNDATIONS SHALL BEAR ON PILES AND CAISSONS (SEE PILE AND CAISSON NOTES) 2. WHERE EXISTING FOUNDATIONS OF ADJACENT PROPERTY IS LOWER THAN ELEVATIONS SHOWN, NEW MAT FOUNDATION IS TO BE LOWERED TO SAME ELEVATION. WHERE NEW MAT FOUNDATION IS LOWER THAN EXISTING CONTRACTOR IS TO ESTABLISH EXISTING CONDITIONS BEFORE FOUNDATIONS, COMMENCING WORK AND NOTIFY THE ENGINEER.

B. CONCRETE AND STEEL REINFORCEMENT

- 1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, U.O.N., AND COMPLY WITH A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE. 2. CONCRETE STRENGTH SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED: -FOUNDATION PIERS, PILE CAPS 8600 PSI -BUTRESSES AND FOUNDATION WALLS 8600 PSI MIN. "SEE COLUMN SCHEDULE" -COLUMN PIERS IF ANY 8600 PSI MIN. "SEE COLUMN SCHEDULE" -SLAB ON GROUND 8600 PSI FOUNDATION WALLS AND BUTRESSES CAST INTEGRALLY WITH SHEAR WALLS 8600 PSI. SEE PLAN.

LEGEND:

- a. * INDICATES ADDITIONAL WIND BARS b. [...] INDICATES THE BOTTOM OF FOUNDATION WALL ELEVATION c. <-> INDICATES THE TOP OF FOUNDATION WALL ELEVATION d. (...) INDICATES BOTTOM OF PILE CAP ELEVATION e. (XXXX) INDICATES SIZE OF PIER IN INCHES, FIRST DIMENSION SHOWN IS IN THE EAST-WEST DIRECTION.

- 8. CONTRACTOR TO INSTALL ALL PIPE SLEEVES, BOXED OPENINGS, ANCHOR BOLTS, ETC., AS REQUIRED FOR THE VARIOUS TRADES. WALL POCKETS TO RECEIVE BEAMS AND SLABS SHALL BE PROVIDED AS REQUIRED FOR THE SUPERSTRUCTURE. SHOP DRAWINGS SHOWING THE POSITION OF OPENINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE. 9. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 3/4" FOR INTERIOR SLABS AND INTERIOR WALL SURFACES; 1 1/2" FOR BEAMS, GIRDERS, AND COLUMNS (TIES, STIRRUPS OR PRIMARY REINFORCEMENT). FOR ALL CONCRETE EXPOSED TO WEATHER AND EARTH FILL, COVER SHALL BE 2" (1 1/2" FOR STIRRUPS). FOR CONCRETE PLACED AGAINST EARTH, MINIMUM COVER SHALL BE 3".

C. CODES AND TESTS

- 1. THIS STRUCTURE HAS BEEN DESIGNED UNDER THE PROVISIONS OF THE NEW YORK CITY BUILDING CODE AS AMENDED AND A.C.I. 318. 2. ALL CONTROLLED CONCRETE SHALL COMPLY WITH THE A.C.I. 318 BUILDING CODE. APPLICATION FOR CONTROLLED CONCRETE WITH CONCRETE TESTS AND CURVES OF TESTS FOR THE PRELIMINARY DESIGN MIX PREPARED BY AN APPROVED LABORATORY MUST BE SUBMITTED TO THE ENGINEER FOR FILING WITH THE BUILDING DEPARTMENT. NO CONCRETE SHALL BE PLACED WITHOUT THE DESIGN MIX BEING APPROVED BY THE BUILDING DEPARTMENT.

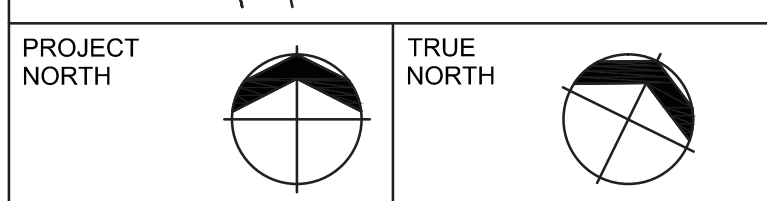
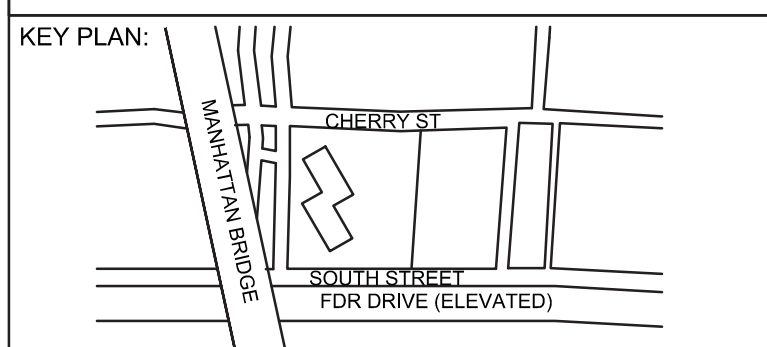
MASONRY NOTES

- 1. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COMPLETE REQUIREMENTS FOR C.M.U. MASONRY CONSTRUCTION AND APPEARANCE. DETAILS AND NOTES SHOWN ON THE STRUCTURAL DRAWINGS ARE INTENDED TO SUPPLEMENT ARCHITECTURAL REQUIREMENTS AND TO DEFINE ELEMENTS WHICH PROVIDE STRUCTURAL STRENGTH AND STABILITY. 2. DETAILS, SECTIONS, SCHEDULES, ETC. AND THESE NOTES, REPRESENT THE MINIMUM REQUIREMENTS FOR STRUCTURAL ADEQUACY. WHERE ARCHITECTURAL REQUIREMENTS DIFFER FROM STRUCTURAL, THE MORE STRINGENT SHALL BE FOLLOWED.

LOADING SCHEDULE

Table with columns: OCCUPANCY, PARTITION/FILL &/OR FINISHES (PSF), CEIL & MECH (PSF), LIVE LOAD. Rows include ROOF, MECHANICAL ROOF, ACCESSIBLE ROOF/TERRACES, LOBBIES/STAIRS/CORRIDORS, MECHANICAL ROOMS, GYM, PARKING, RETAIL, RESIDENTIAL, SWIMMING POOL DECK, SWIMMING POOL.

NOTE: 1. LOADS ARE AS SHOWN ABOVE U.O.N. ON PLAN



DEVELOPER: ETELL DEVELOPMENT COMPANY 805 Third Ave, 7th Floor New York, NY 10022 TEL: 212-712-6000 FAX: 212-712-6100

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MEP ENGINEERS: ICOR ASSOCIATES, LLC 485 C Route 1 South, Suite 209 Iselin, NJ 08830 TEL: 908-272-3300 FAX: 908-272-4440

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Table with columns: No., DESCRIPTION, DATE. Rows include ISSUED FOR DOT, FOUNDATION FILING, ISSUED FOR FOUNDATION BID, 50K DOW, ISSUED FOR DOT, ISSUED FOR FOUNDATION BID.

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CONSULTANT: AAI ARCHITECTS, P.C.

PROJECT: 250 SOUTH STREET NEW YORK, NY

DRAWING TITLE:

GENERAL NOTES, LEGEND AND ABBREVIATIONS 1

SEAL & SIGNATURE: STATE OF NEW YORK ARCHITECTURAL BOARD PROFESSIONAL ENGINEER

DATE: 07/25/14 PROJECT No: 1302510 DRAWN: CADD REV: CL CHK: N.T.S. SCALE: 1/8"=1'-0" DWG No: FO-001.00

DOB PAGE No: of DOB EMPLOYEE STAMP: DOB B-SCAN:

Approval stamp for Damian Titus, Building Approved Under Directive 2 of 1975, Date: 10/08/2014, NYC Development Hub.

FILE NAME: PLOT DATE:

ROCK ANCHOR GENERAL NOTES

- ROCK ANCHORS SHALL BE IN CONFORMANCE WITH LATEST PTI (POST - TENSIONING INSTITUTE) RECOMMENDATIONS FOR PRESTRESSED ROCK AND SOIL ANCHORS. FOR SIZES AND LOCATIONS SEE FOUNDATION DRAWINGS.
- ALL ROCK ANCHORS SHALL BE GRADE 150 THREADED BARS CONFORMING TO ASTM A-722. THREADED BARS SHALL BE PROVIDED WITH SHOP FABRICATED DOUBLE CORROSION PROTECTION, THREADED BARS, ANCHORAGE'S, CENTRALIZERS, ACCESSORIES, CORROSION PROTECTION SYSTEM, ETC. SHALL BE PROVIDED BY SAS STRESSTEEL OR APPROVED EQUAL.
- THREADED BARS SHALL BE ENCAPSULATED WITH HIGH STRENGTH PVC CORRUGATED SHEATHING AND SHALL BE PRE-GROUTED BY THE MANUFACTURER.
- PLATES SHALL CONFORM TO ASTM A-36, UNLESS GRADE 50 IS CALLED FOR IN THE DETAILS.
- ANCHOR NUTS AND COUPLERS SHALL BE CAPABLE OF DEVELOPING 100% OF THE ULTIMATE STRENGTH OF THE THREADED BAR.
- CARE MUST BE TAKEN NOT TO DAMAGE THE TENDONS. KEEP ALL COMPONENTS OF THE SYSTEM FREE OF DIRT OR OTHER DELETERIOUS SUBSTANCES.
- DO NOT WELD IN THE VICINITY OF THE THREADED BARS.
- DO NOT USE ANCHORS AS A GROUND FOR WELDING.
- SEE PROJECT TECHNICAL SPECIFICATIONS SECTION 316800 FOR TIE-DOWN ROCK ANCHOR INSTALLATION AND TESTING REQUIREMENTS.
- CONTRACTOR SHALL SUBMIT ANCHOR SHOP DRAWING(S) FOR APPROVAL PRIOR TO COMMENCING ANCHOR INSTALLATION. SHOP DRAWING(S) SHALL CONTAIN ANCHOR DETAILS, AND INSTALLATION AND TESTING PROCEDURES.

TABLE FOR DOUBLE CORROSION PROTECTION ROCK ANCHORS

| THREADED BAR DIAMETER | DESIGN LOAD (KIPS) | ANCHOR PLATE (Fy=50 ksi) | MINIMUM DRILL HOLE DIAMETER | MINIMUM BOND LENGTH | MINIMUM EMBEDMENT IN FOOTING 'h' | MAXIMUM OFFSET 'f' OR 'g' | MINIMUM EDGE DISTANCE 'e' |
|-----------------------|--------------------|--------------------------|-----------------------------|---------------------|----------------------------------|---------------------------|---------------------------|
| 1 1/8" | 245k | | 6" | 25" | | SEE NOTE 4 | |

NOTES FOR CORROSION PROTECTION TABLE:

- MINIMUM DRILL HOLE DIAMETER ASSUMES COUPLERS ARE NOT REQUIRED. HOLE DIAMETER MAY INCREASE DUE TO USE OF COUPLERS OR ROCK CONDITION.
- ACTUAL BOND LENGTH TO BE DETERMINED BY GEOTECHNICAL CONSULTANT FROM BORINGS AND ROCK SAMPLES. GROUP ACTION EFFECTS ARE TO BE CONSIDERED.
- PLATES FOR LARGE DIAMETER BARS TO BE SUPPLIED BY MANUFACTURER, SUBJECT TO ENGINEER'S APPROVAL. GRADE 50 MAY BE USED AT MANUFACTURER'S OPTION.
- MAXIMUM OFFSET 'f' OR 'g' MAY BE INCREASED IF MINIMUM EMBEDMENT 'h' IS ALSO INCREASED BY AT LEAST THE SAME AMOUNT. PROJECT DESIGNER IS TO ESTABLISH NEW DIMENSIONS.
- MINIMUM BOND LENGTH INTO NYCBC CLASS 1B OR BETTER ROCK.

SUPERSTRUCTURE CONCRETE NOTES

A. CONCRETE

- ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, U.O.N., AND COMPLY WITH THE A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE.
- CONCRETE STRENGTH SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
SLABS AND BEAMS U.O.N. ON PLANS 5000 PSI
SHEAR WALLS & COLUMNS SEE COLUMN SCHEDULE
LINK BEAMS SAME AS SHEARWALL STRUCTURE
- NO CONCRETE SHALL BE PLACED UNTIL THE CONTRACTOR HAS INSTALLED ALL THE INSERTS AND DOVETAILS NECESSARY TO PROVIDE SUPPORT FOR MULLIONS, APPLIED FINISHES, PARTITIONS, PIPES, DUCTS, EQUIPMENT, ETC., AS REQUIRED IN ARCHITECTURAL, H.V.A.C. AND STRUCTURAL DRAWINGS. WHERE BRICK VENEER EXCEEDS 18" IN HEIGHT, PROVIDE DOVETAIL TYPE MASONRY ANCHORS SPACED AT 24" O/C IN ALL BACK UP VERTICAL CONCRETE SURFACES.
- CONTRACTOR SHALL VERIFY LOCATIONS AND DIMENSIONS OF ALL SLOTS, PIPEDE SLEEVES, DUCTS AND ANY OTHER CONCRETE PENETRATIONS AS REQUIRED FOR VARIOUS TRADES BEFORE CONCRETE IS PLACED.

SHOP DRAWINGS SHOWING COMPOSITE LAYOUT OF ALL PENETRATIONS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

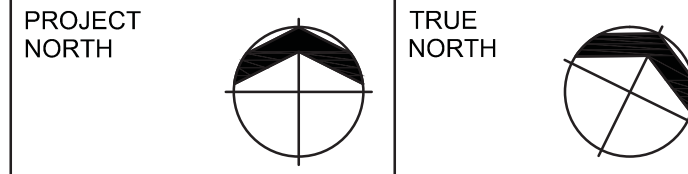
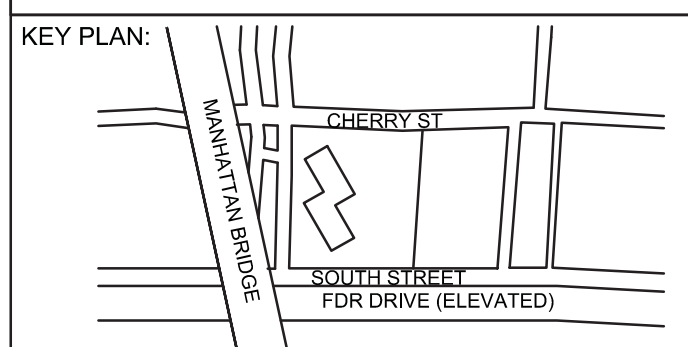
- ALL PLUMBING AND ELECTRICAL SLOTS SHALL BE FILLED WITH CONCRETE TO THE SAME DEPTH AS FLOOR AFTER CONDUITS AND/OR PIPES ARE INSTALLED.
- NO PIPES OR CONDUITS EXCEEDING 1/3 SLAB THICKNESS IN OUTSIDE DIAMETER NOR OVER NOMINAL 2" INSIDE DIAMETER SHALL BE EMBEDDED SHOULD BE PLACED CLOSER THAN 3 DIAMETER ON CENTER NOR PASS WITHIN 24" OF COLUMN FACE, U.O.N. JUNCTION BOXES MAY BE PLACED IN STRUCTURAL CONCRETE SLAB BUT SHALL NOT EXCEED 4 1/2"x4 1/2"x3 1/2" IN DEPTH AND SHALL BE SEPARATED FROM OTHER JUNCTION BOXES BY NOT LESS THAN 8" OF CONCRETE.
- ALL MEMBERS IN THE FLOOR SYSTEM INCLUDING BEAMS, BRACKETS, COLUMN CAPITALS AND HAUNCHES SHALL BE PLACED MONOLITHICALLY. VERTICAL CONSTRUCTION JOINTS NECESSARY MAY BE MADE AT CENTER OF BEAM OR SLAB USING APPROVED BULKHEADS AND ADDITIONAL REINFORCING AS SHOWN ON DETAILS.
- NO CONCRETE FLOOR SYSTEM IS TO BE INSTALLED UNTIL AT LEAST TWO HOURS HAVE PASSED AFTER THE SUPPORTING COLUMNS AND WALLS ARE PLACED.
- WHEN PLACING CONCRETE AGAINST AN ADJACENT BUILDING OR AT EXPANSION JOINT, AT LEAST 1" (U.O.N.) OF HIGH DENSITY STYROFOAM SHALL BE PLACED AT THE INTERFACE BETWEEN THE EXISTING AND NEW CONCRETE. IN ADDITION, THE CONTRACTOR MUST TAKE ALL THE NECESSARY MEASURES SO AS NOT TO CREATE ANY DAMAGE TO THE EXISTING CONSTRUCTION WHILE PLACING THE NEW CONCRETE.
- TEMPORARY SHORING AND RESHORING SHALL REMAIN IN PLACE AT LEAST 28 DAYS AFTER PLACEMENT OF CONCRETE.
- NO DEVIATION FROM THE STRUCTURAL PLANS SHALL BE PERMITTED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE STRUCTURAL ENGINEER.

B. CODES AND TESTS

- THIS STRUCTURE HAS BEEN DESIGNED UNDER THE PROVISIONS OF THE NEW YORK CITY BUILDING CODE AS AMENDED AND A.C.I. 318.
- ALL CONTROLLED CONCRETE SHALL COMPLY WITH THE A.C.I. 318 BUILDING CODE AND THE NEW YORK CITY BUILDING CODE. A SPECIAL AMENDMENT FORM FOR CONTROLLED CONCRETE WITH CONCRETE TESTS AND CURVES OF TESTS FOR THE PRELIMINARY DESIGN MIX PREPARED BY AN APPROVED LABORATORY MUST BE SUBMITTED TO THE ENGINEER FOR FILING WITH THE BUILDING DEPARTMENT. NO CONCRETE IS TO BE PLACED BEFORE SUCH AN AMENDMENT IS APPROVED BY THE BUILDING DEPARTMENT.
- DESIGN AND CONSTRUCTION OF FORMWORK IS TO COMPLY WITH THE A.C.I. 318 BUILDING CODE AND THE NEW YORK CITY BUILDING CODE AS AMENDED.
- TRANSPORTING, PLACING, CURING AND DEPOSITING OF CONCRETE SHALL COMPLY WITH THE A.C.I. BUILDING CODE.
- ALL REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT" A.S.T.M. A615 GRADE 60. THE STEEL SUPPLIER SHALL PROVIDE THE ENGINEER WITH AN AFFIDAVIT OF THE PRODUCER OF STEEL CERTIFYING THAT THE STEEL MEETS THE REQUIREMENTS OF THE A.S.T.M.
- ALL STRUCTURAL STEEL (INTELS, DUNNAGE BEAMS, ETC.) SHALL CONFORM TO A.S.T.M. A-36, U.O.N.

C. SEISMIC AND WIND CRITERIA

- THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE LATEST NEW YORK CITY BUILDING CODE (NYCBC 2008).
- WIND DESIGN DATA:**
 - BASIC WIND SPEED (3 SECOND GUST) = 98 mph
 - WIND IMPORTANCE FACTOR = 1
 - WIND EXPOSURE = C
 - INTERNAL PRESSURE COEFFICIENT = ±0.18
- EARTHQUAKE DESIGN DATA:**
AS PER GEOTECHNICAL REPORT BY LANGAN DATED JANUARY 2, 2014
 - SEISMIC IMPORTANCE FACTOR = 1
 - S_c = 0.365, S₁ = 0.071
 - SITE CLASS D
 - SEISMIC DESIGN CATEGORY = C
 - SEISMIC FORCE RESISTING SYSTEM = ORDINARY REINFORCED CONCRETE SHEARWALLS
 - RESPONSE MODIFICATION FACTORS: R = 5, C_d = 4.5
 - ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE PROCEDURE



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LANDSCAPE DESIGNER:
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| No. | DESCRIPTION: | DATE: |
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| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | SOR DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |

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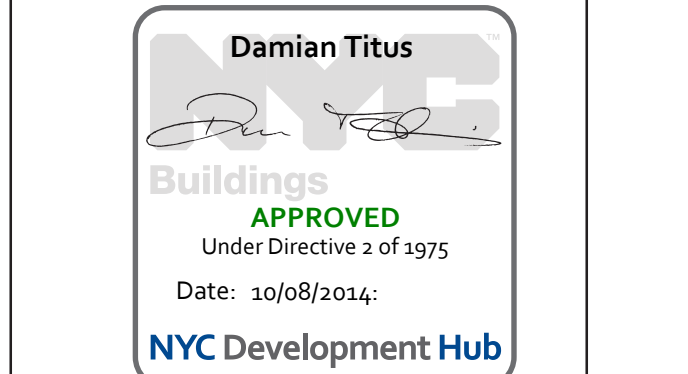


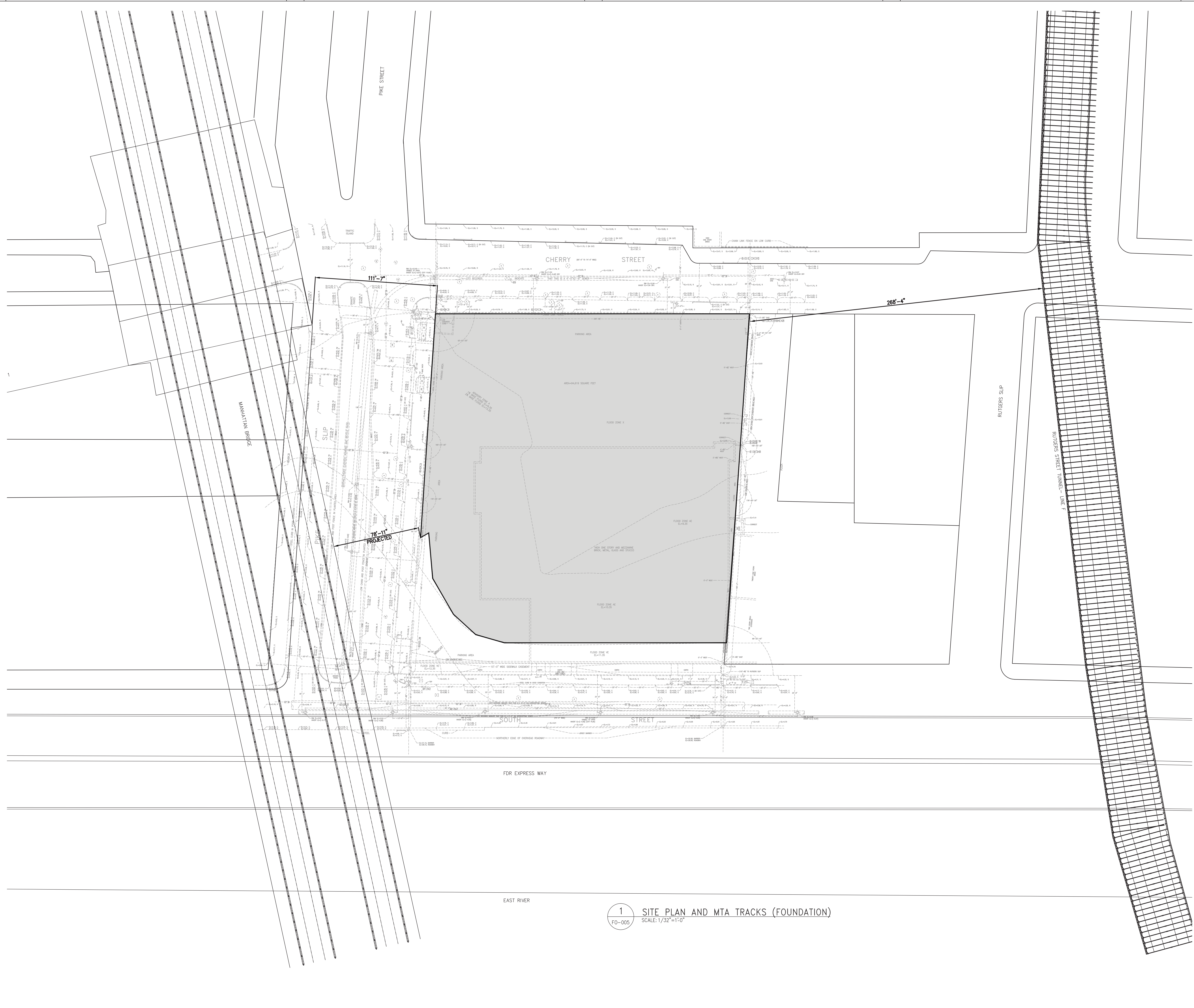
PROJECT:
250 SOUTH STREET
NEW YORK, NY

DRAWING TITLE:
GENERAL NOTES, LEGEND AND ABBREVIATIONS 2

| | |
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| SEAL & SIGNATURE | DATE: 07/25/14 |
| | PROJECT No: 1302510 |
| | DRAWN: CADD REV: |
| | CHK: CL |
| | SCALE: N.T.S. |
| DWG No: | FO-002.00 |
| DOB PAGE No: of | |

DOB EMPLOYEE STAMP: _____ DOB B-SCAN: _____





1 SITE PLAN AND MTA TRACKS (FOUNDATION)
FO-005 SCALE: 1/32" = 1'-0"

DEPT OF BUILDINGS 1302510

KEY PLAN:

PROJECT NORTH TRUE NORTH

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| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | 50% DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |

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 AAI ARCHITECTS, P.C.

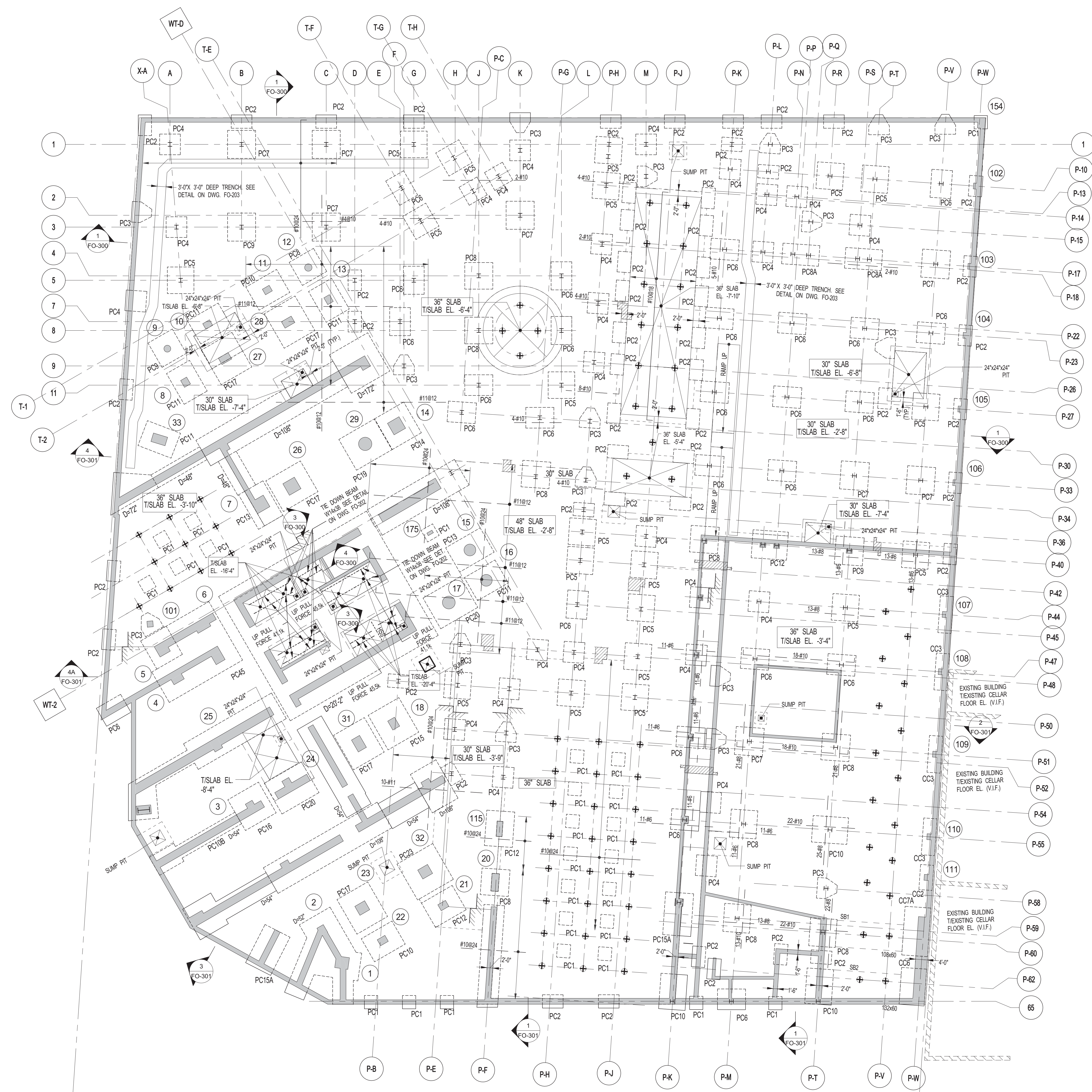
PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
**SITE PLAN AND MTA TRACKS
(FOUNDATION)**

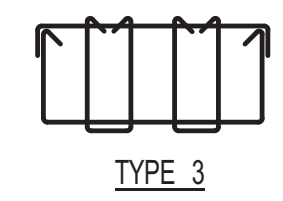
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| SEAL & SIGNATURE | DATE: 07/25/14 |
| PROJECT No: 1302510 | DRAWN: CADD REV: |
| CHK: CL | SCALE: 1/32" = 1'-0" |
| DWG No: | FO-005.00 |
| DOB PAGE No: of | DOB B-SCAN: |

DOB EMPLOYEE STAMP:

APPROVED
Under Directive 2 of 1975
Date: 10/08/2014
NYC Development Hub



| BEAM MARK | SIZE | | REINFORCEMENT | | TOP ADD'L BARS AT SUPPORT | STIRRUPS | | | REMARKS |
|-----------|-------|-------|-------------------|-------------------|---------------------------|----------|------|--------------|---------|
| | WIDTH | DEPTH | BOTTOM CONTINUOUS | TOP CONTINUOUS | | TYPE | SIZE | SPACING (IN) | |
| SB1 | 108 | 60 | 15-#11 | 30-#11 (2 LAYERS) | 3 | #4 | 12 | | |
| SB2 | 132 | 60 | 15-#11 | 26-#11 | 3 | #4 | 12 | | |



1 FOUNDATION PLAN
FO-100 SCALE: 1/16" = 1'-0"

NOTES:

- TOP OF PRESSURE SLAB ELEVATION TO BE 2'-0" U.O.N. THIS ON PLAN.
- PRESSURE SLAB TO BE 3" MIN. THICK U.O.N. THIS ON PLAN.
- REIN. TO BE: #11@12 CONT. E.W. TOP #10@12 CONT. BOTTOM
- ALL PRESSURE SLAB TO BE POURED ON WATERPROOF MEMBRANE PLACED ON 3" MUD SLAB.
- FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND SEE DRAWING FO-01.
- FOR FOUNDATION TYPICAL DETAILS SEE FO-200 SERIES DRAWINGS.
- FOR FOUNDATION SECTIONS SEE FO-300 SERIES DRAWINGS.
- FOR LINK BEAM SCHEDULE AND SHEARWALL DETAILS SEE S-400 SERIES DRAWINGS.
- FOR COLUMN SIZES, REINFORCEMENT AND DETAILS SEE S-600 SERIES DRAWINGS.
- FOR SHEARWALL PILE CAPS SEE DWG. FO-101 THRU FO-104
- ALL BOTTOM REINFORCEMENT TO BE EPOXY COATED.

ELEVATIONS ARE ACTUAL AND REFER TO NAVD DATUM

LEGEND:

- PC ON PLAN INDICATES 200 TON COMPRESSION / 45 TON TENSION CAPACITY PILE, LATERAL CAPACITY 4 TON W/ 90 KIP-FT MOMENT @ PILE HEAD
- CC ON PLAN INDICATES 200 TON COMPRESSION / 45 TON TENSION CAPACITY CAISSON, LATERAL CAPACITY 2.5 TON W/ 90 KIP-FT MOMENT @ CAISSON HEAD
- ON PLAN INDICATES 1000 TON COMPRESSION / 500 TON TENSION CAPACITY CAISSON, LATERAL CAPACITY 11 TON W/ 30 KIP-FT MOMENT @ CAISSON HEAD
- CB ON PLAN INDICATES 122.5 TON TIE DOWN ANCHOR

KEY PLAN

PROJECT NORTH **TRUE NORTH**

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|-----|---------------------------|----------|
| 1 | 50% SD | 02-28-14 |
| 2 | 100%SD | 04-25-14 |
| 3 | ISSUED FOR DOT | 04-28-14 |
| 4 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 5 | 50% DD | 08-01-14 |
| 6 | ISSUED FOR DOT | 08-07-14 |
| 7 | ISSUED FOR FOUNDATION BID | 08-29-14 |

BACKGROUND ISSUE

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CONSULTANT:

PROJECT:
250 SOUTH STREET
NEW YORK, NY

DRAWING TITLE:
FOUNDATION PLAN

SEAL & SIGNATURE: **DATE:** 01 NOV 2013

PROJECT No: 1339-00

DRAWN: TEAM **REV:**

CHK: CHECKER

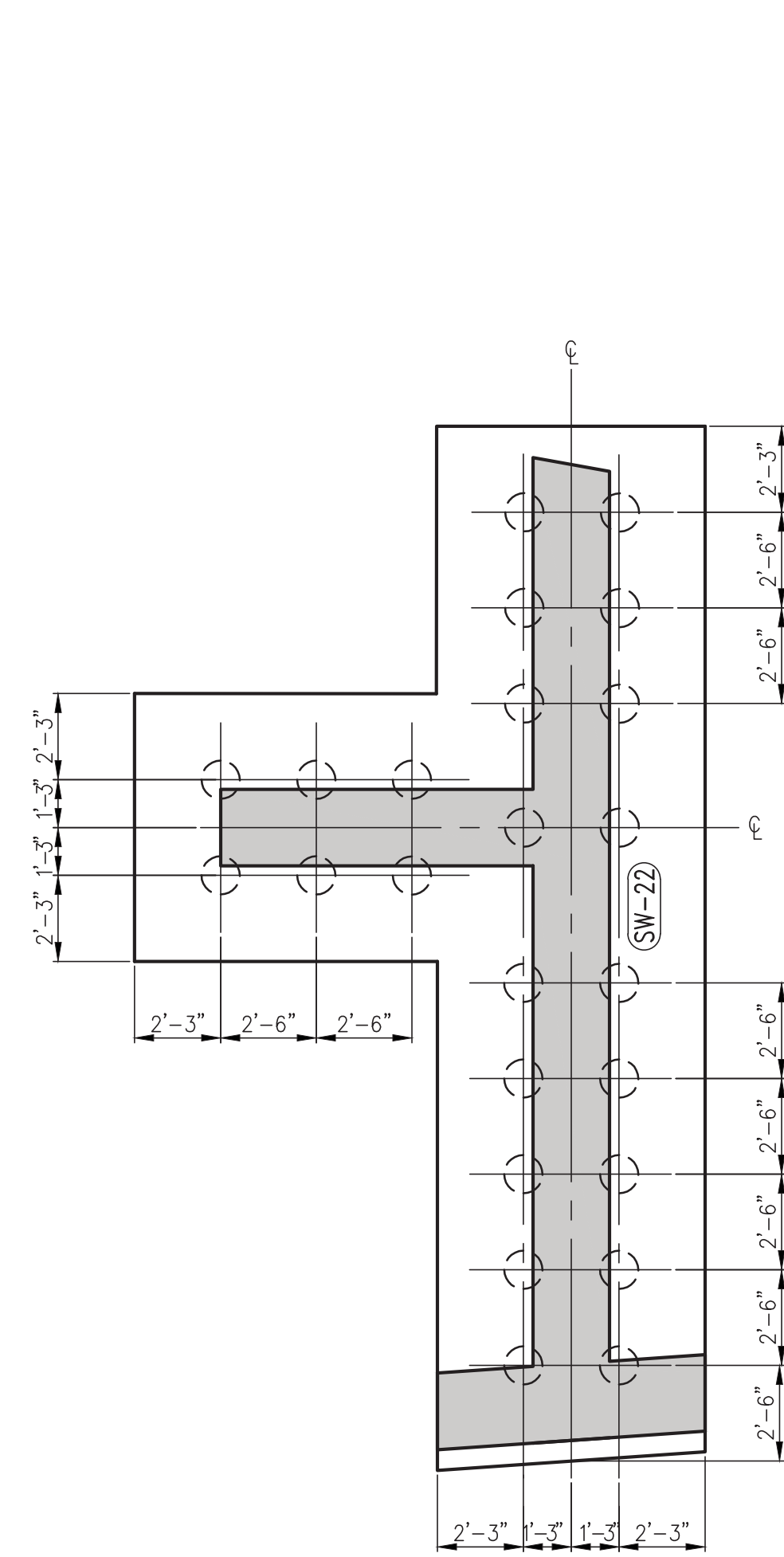
SCALE: As indicated

DWG No: **FO-100.00**

DOB PAGE No: of

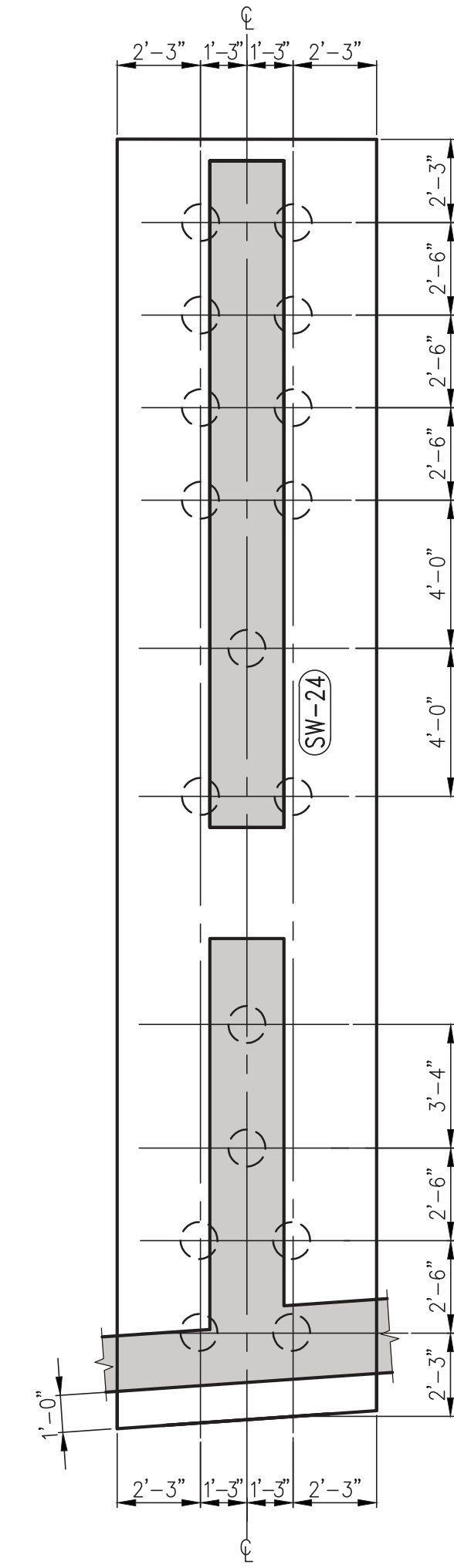
DOB EMPLOYEE STAMP: **DOB B-SCAN:**

Damian Titus
APPROVED
Under Directive 2 of 1975
Date: 10/08/2014
NYC Development Hub



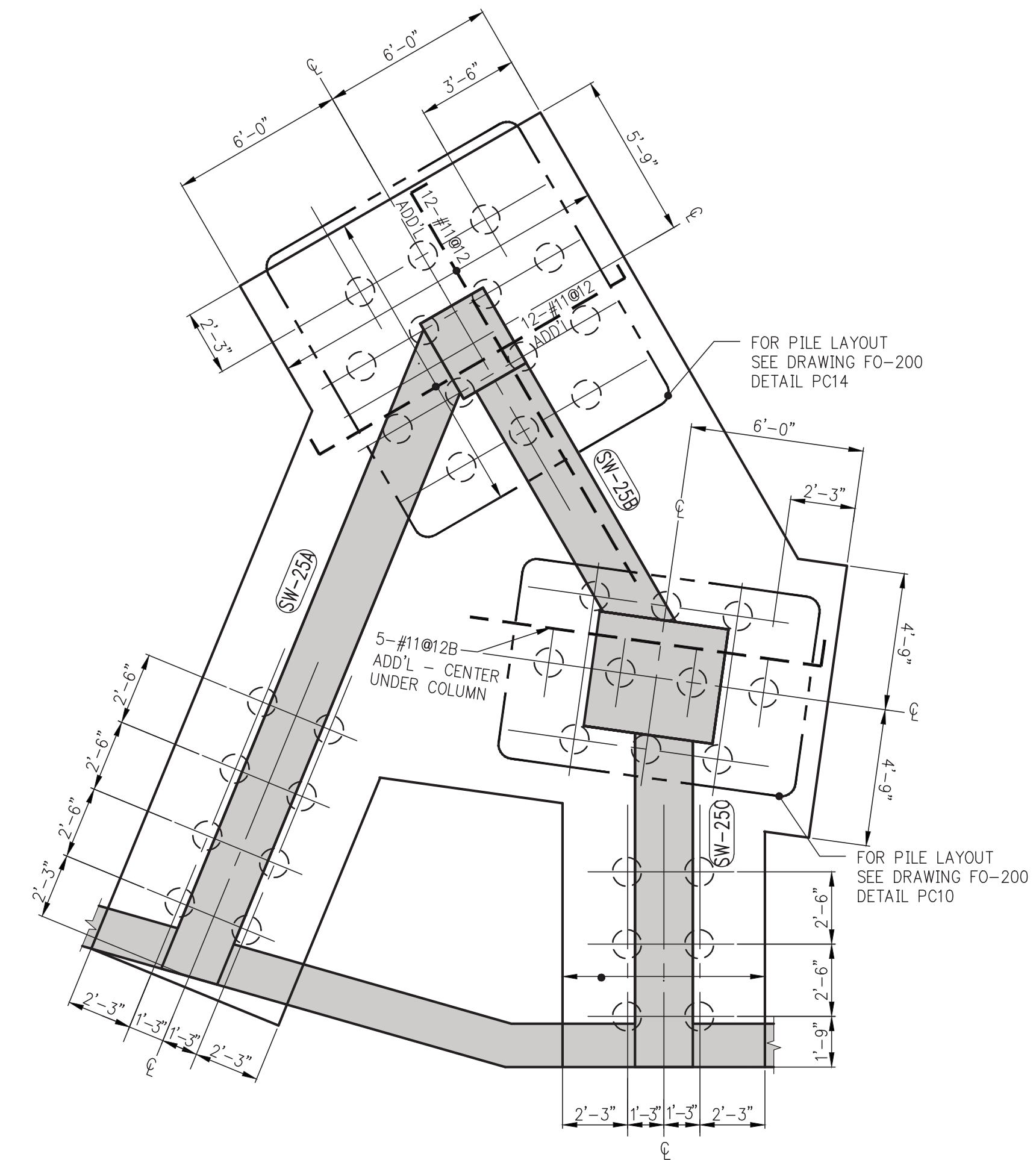
2 MAT FOUNDATION @ SW-22
FO-104
SCALE: 1/4"=1'-0"

1. D= 4'-6" BOTTOM MAT REINF. TO BE #10@12 E.W.
2. FOR BALANCE OF INFORMATION DWG. SEE FO-100



3 MAT FOUNDATION @ SW-24
FO-104
SCALE: 1/4"=1'-0"

NOTES:
1. D= 4'-6" BOTTOM MAT REINF. TO BE #10@12 E.W.
2. FOR BALANCE OF INFORMATION DWG. SEE FO-100



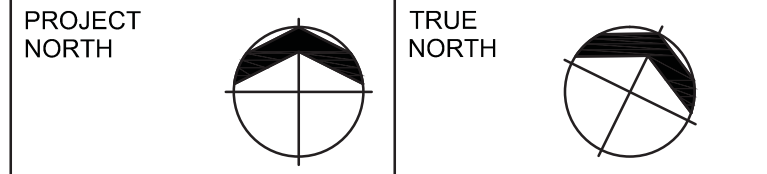
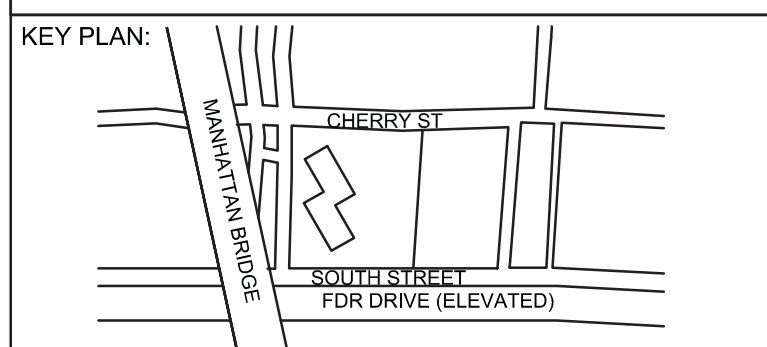
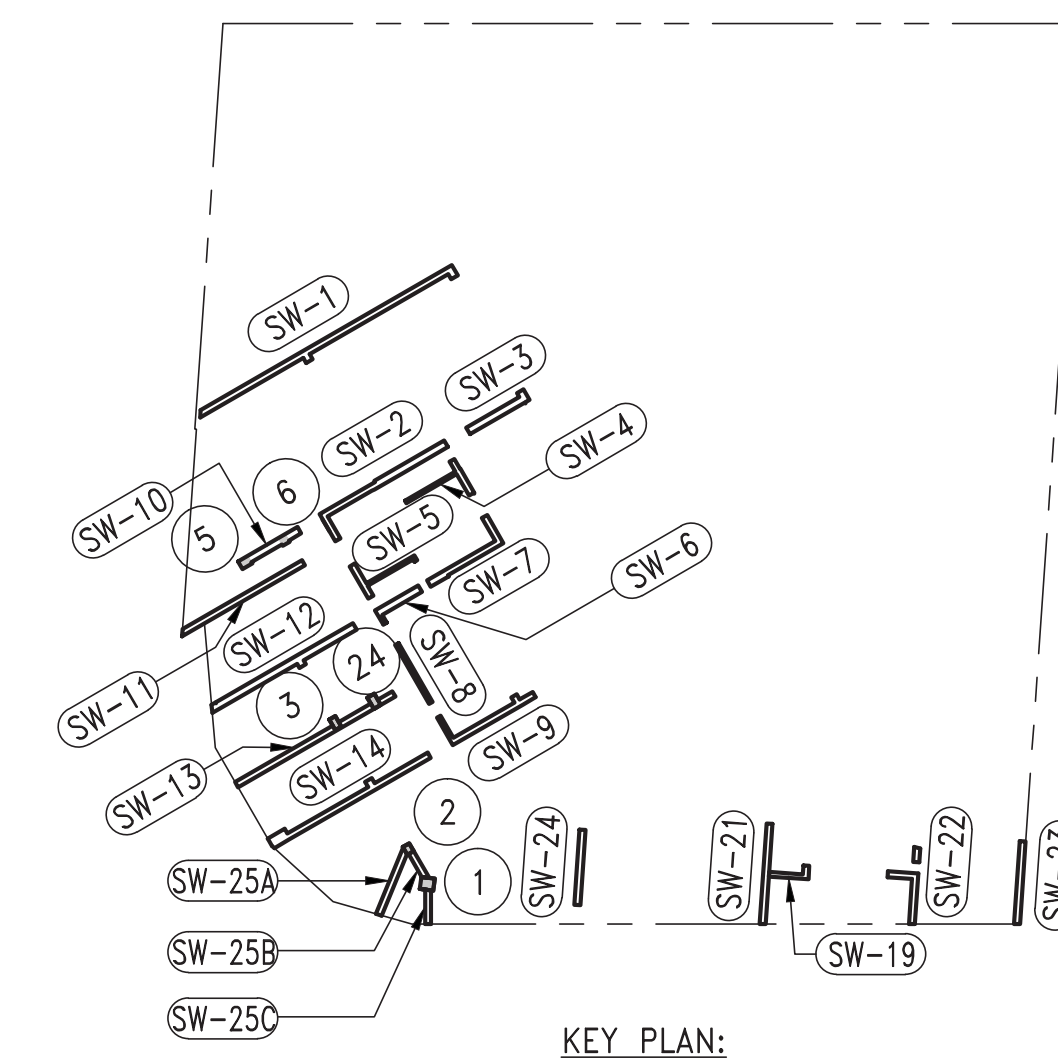
4 MAT FOUNDATION @ SW-25
FO-104
SCALE: 1/4"=1'-0"

NOTES:
1. D= 5'-2" BOTTOM MAT REINF. TO BE #11@12 E.W.
2. FOR BALANCE OF INFORMATION DWG. SEE FO-100

LEGEND:

○ INDICATES 1500 TON CAISSON

○ INDICATES 200 TON PILE



DEVELOPER:
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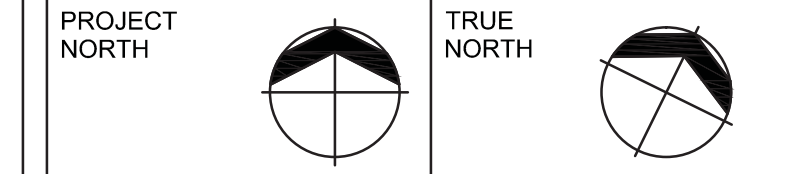
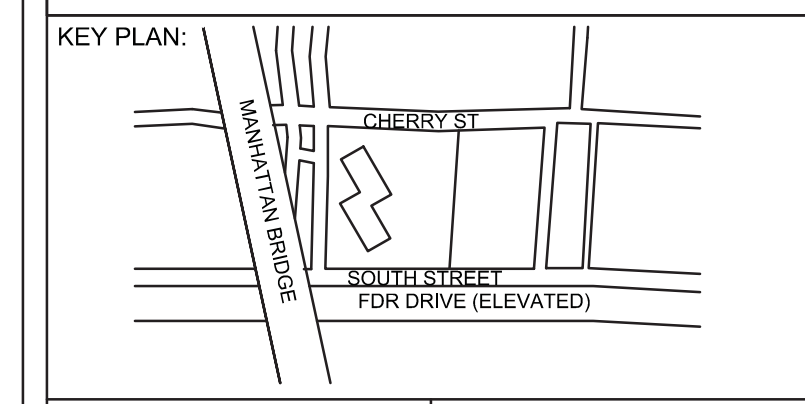
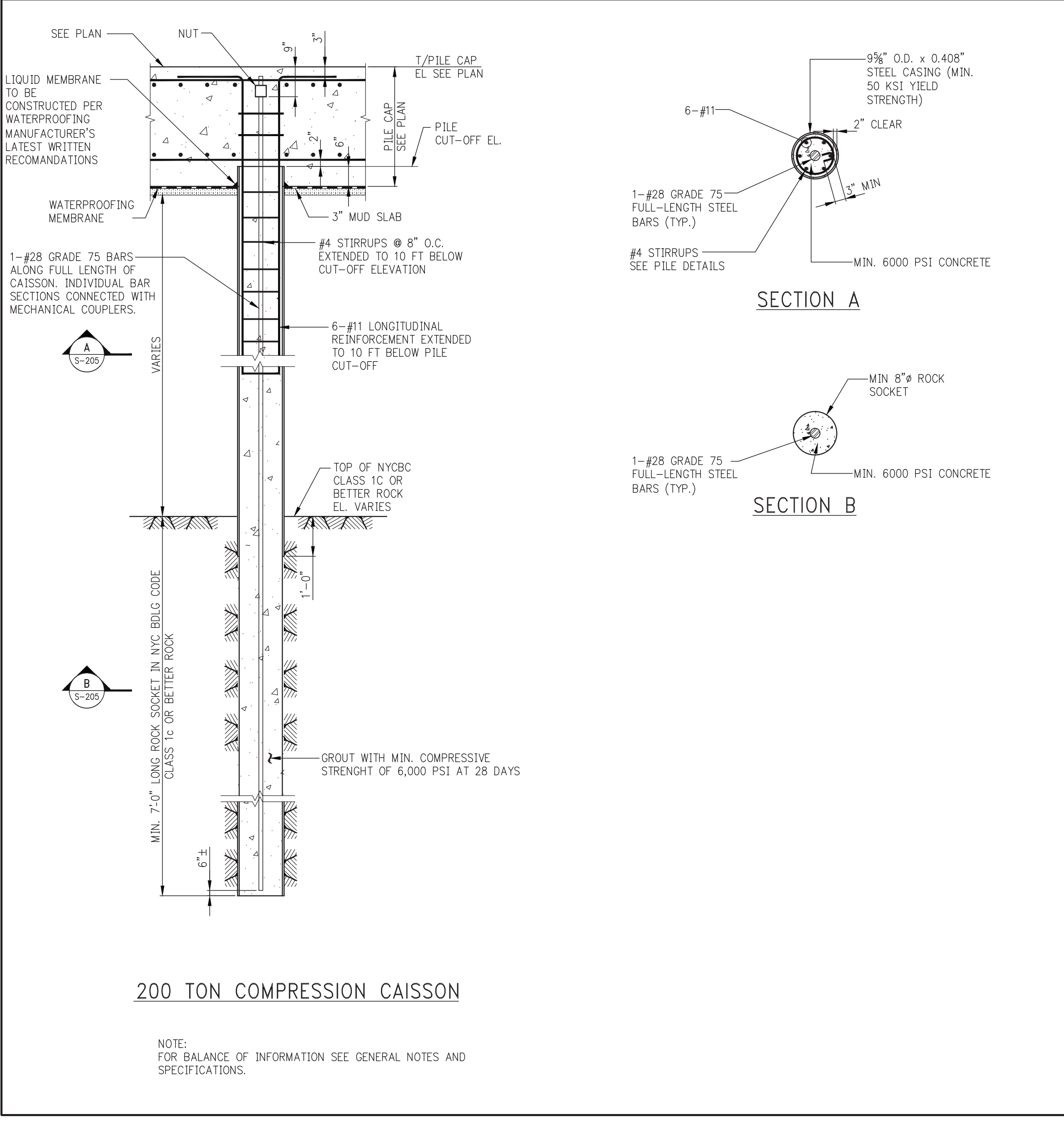
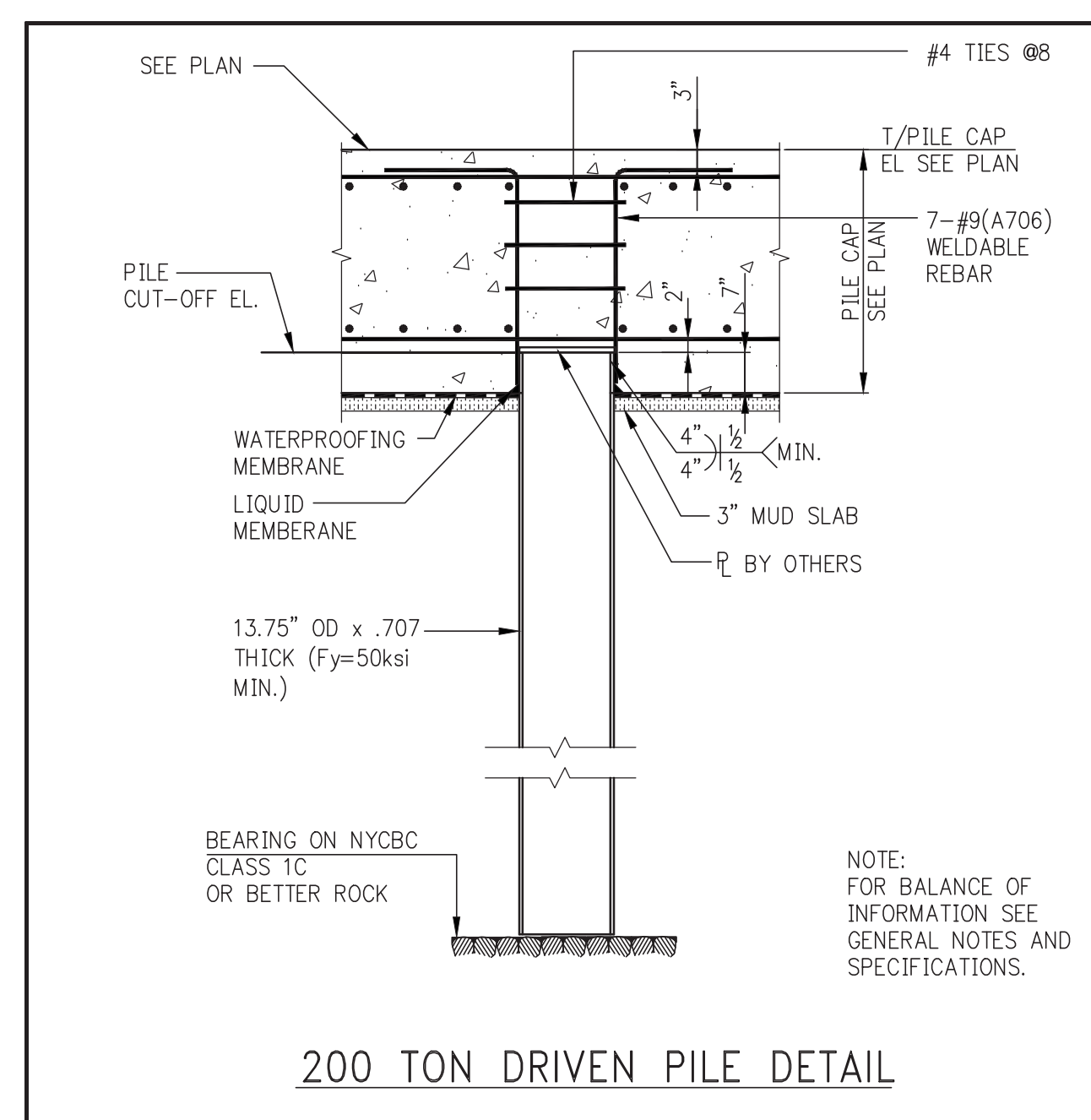
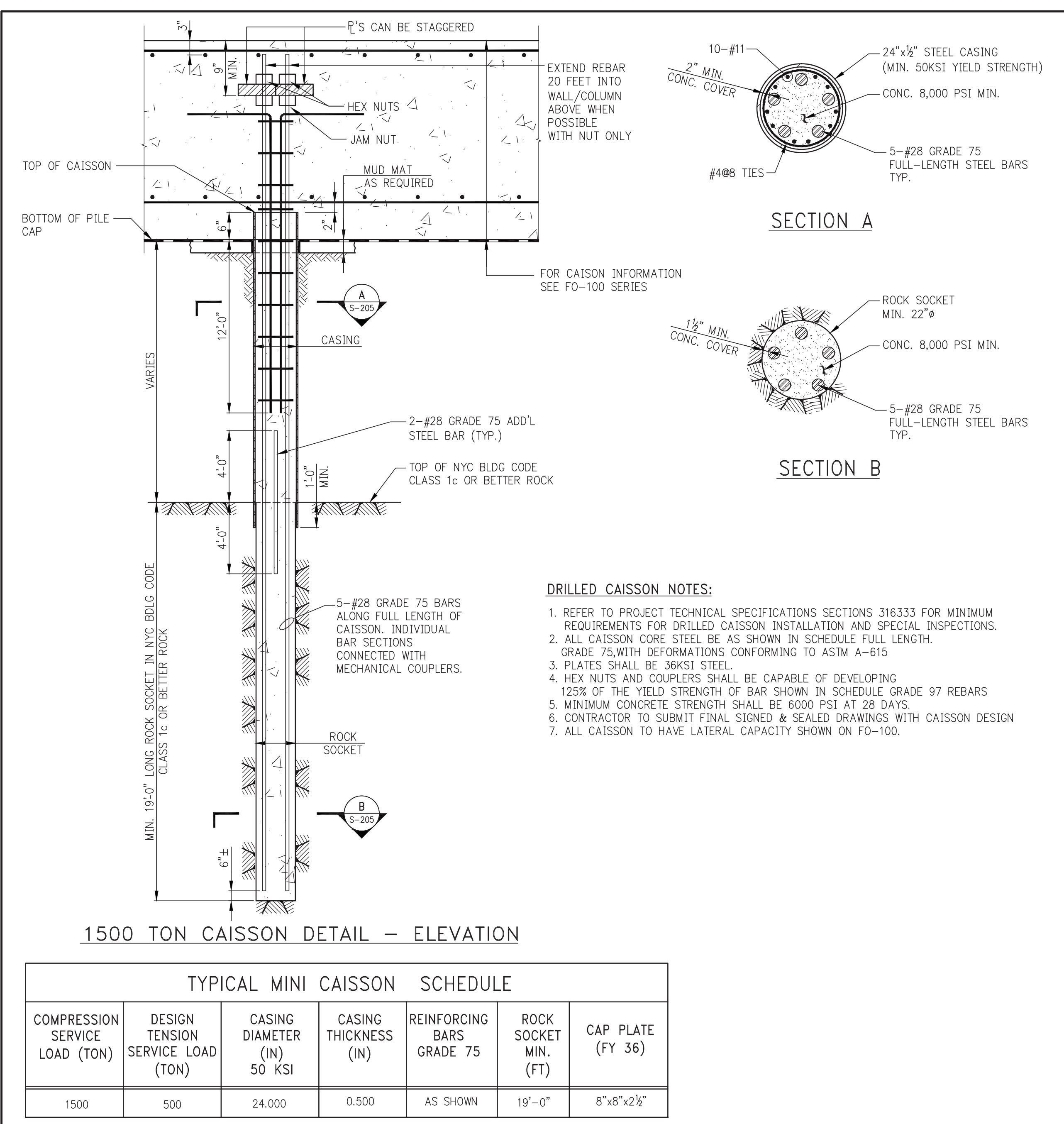
CONSULTANT:
AAI ARCHITECTS, P.C.

PROJECT:
250 SOUTH STREET
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DRAWING TITLE:
MAT FOUNDATION 4

SEAL & SIGNATURE: [Signature]
DATE: 07/25/14
PROJECT No: 1302510
DRAWN: CADD REV:
CHK: CL
SCALE: 1/4" = 1'-0"
DWG No: **FO-104.00**
DOB PAGE No: of
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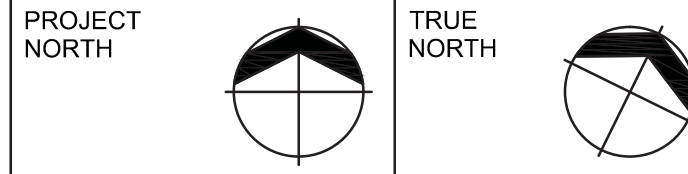
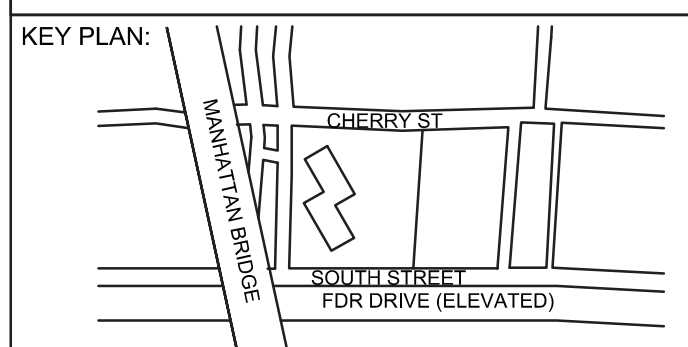
PROJECT:
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DRAWING TITLE:
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DETAILS 1**

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DATE: 07/25/14
PROJECT No: 1302610
DRAWN: CADD REV:
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SCALE: N.T.S.
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CAISSON AND PILE PENETRATION DETAILS TO BE CONSTRUCTED PER WATERPROOFING MANUFACTURER'S LATEST WRITTEN RECOMMENDATIONS.



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| 2 | 100% SD | 04-25-14 |
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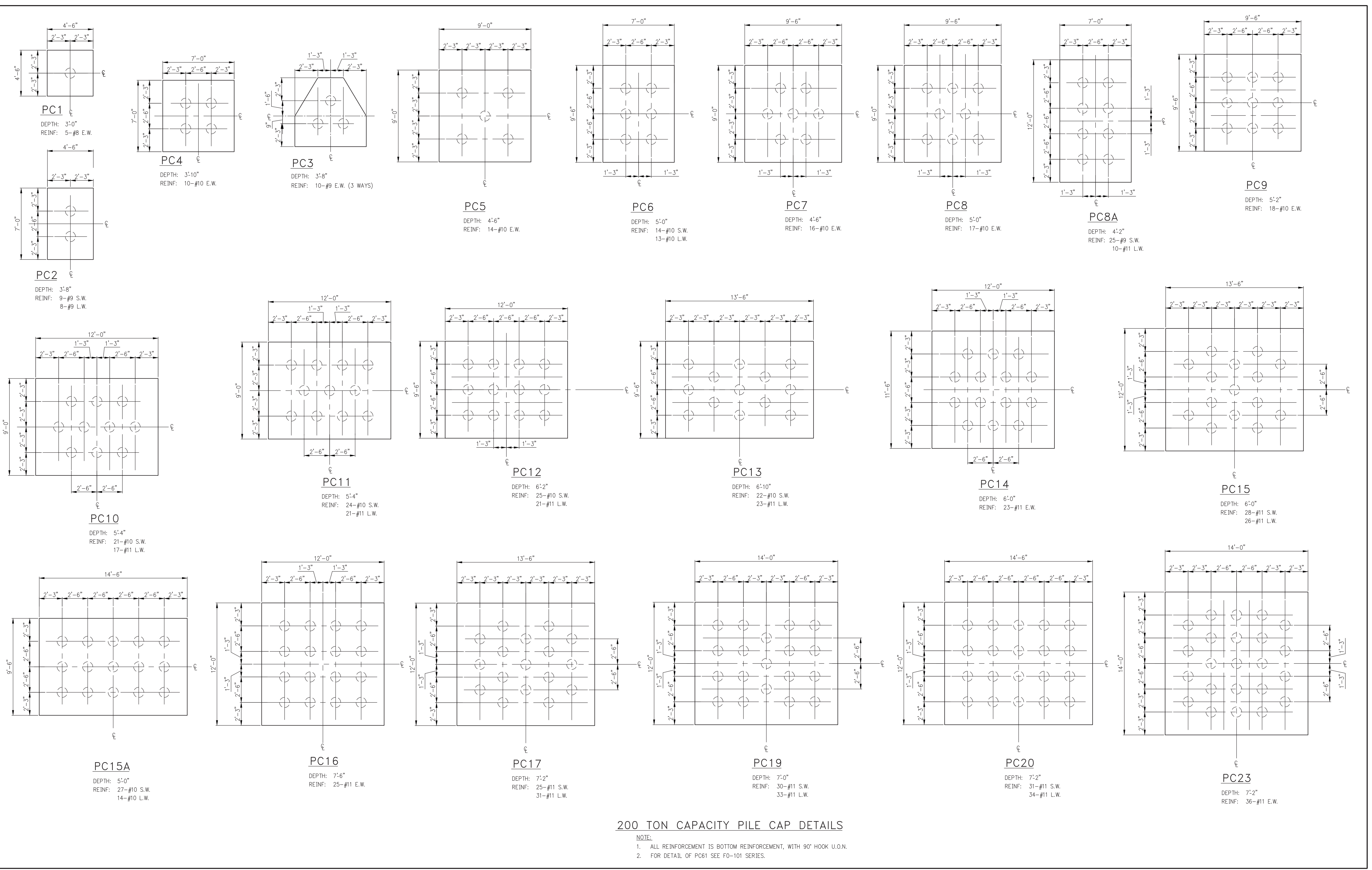
CONSULTANT:

PROJECT:
**250 SOUTH STREET
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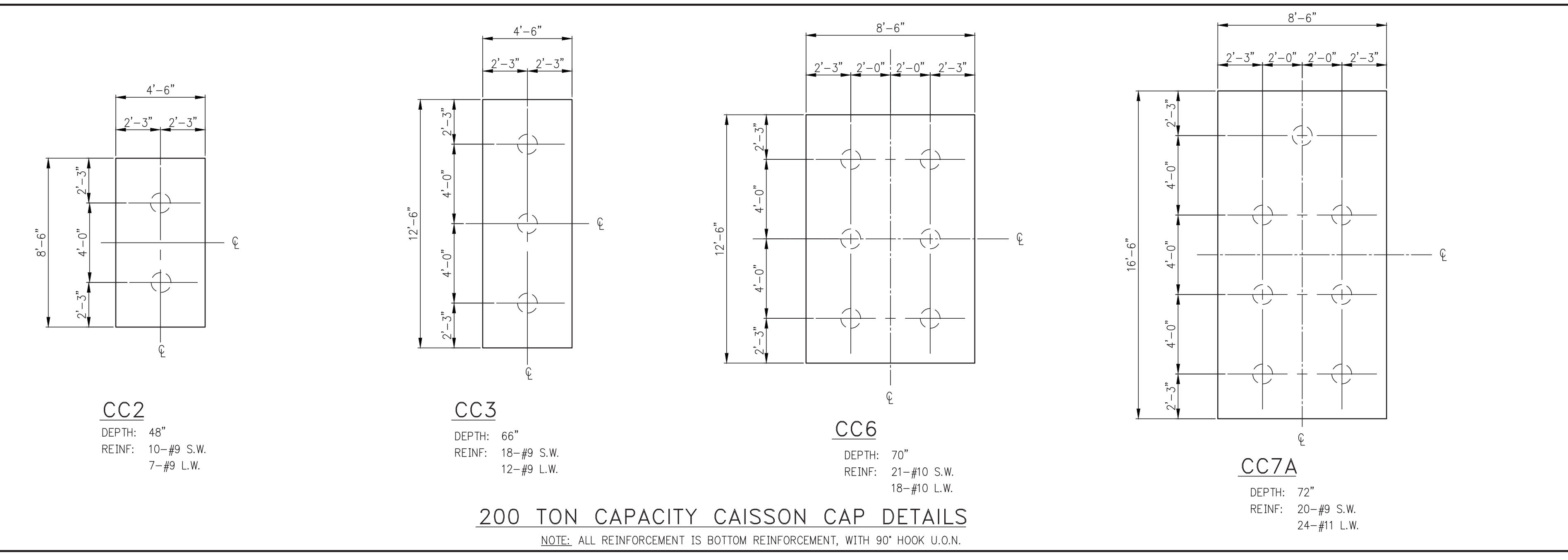
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**TYPICAL FOUNDATION
 DETAILS 2**

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 SCALE: AS SHOWN
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 DOB PAGE No: of

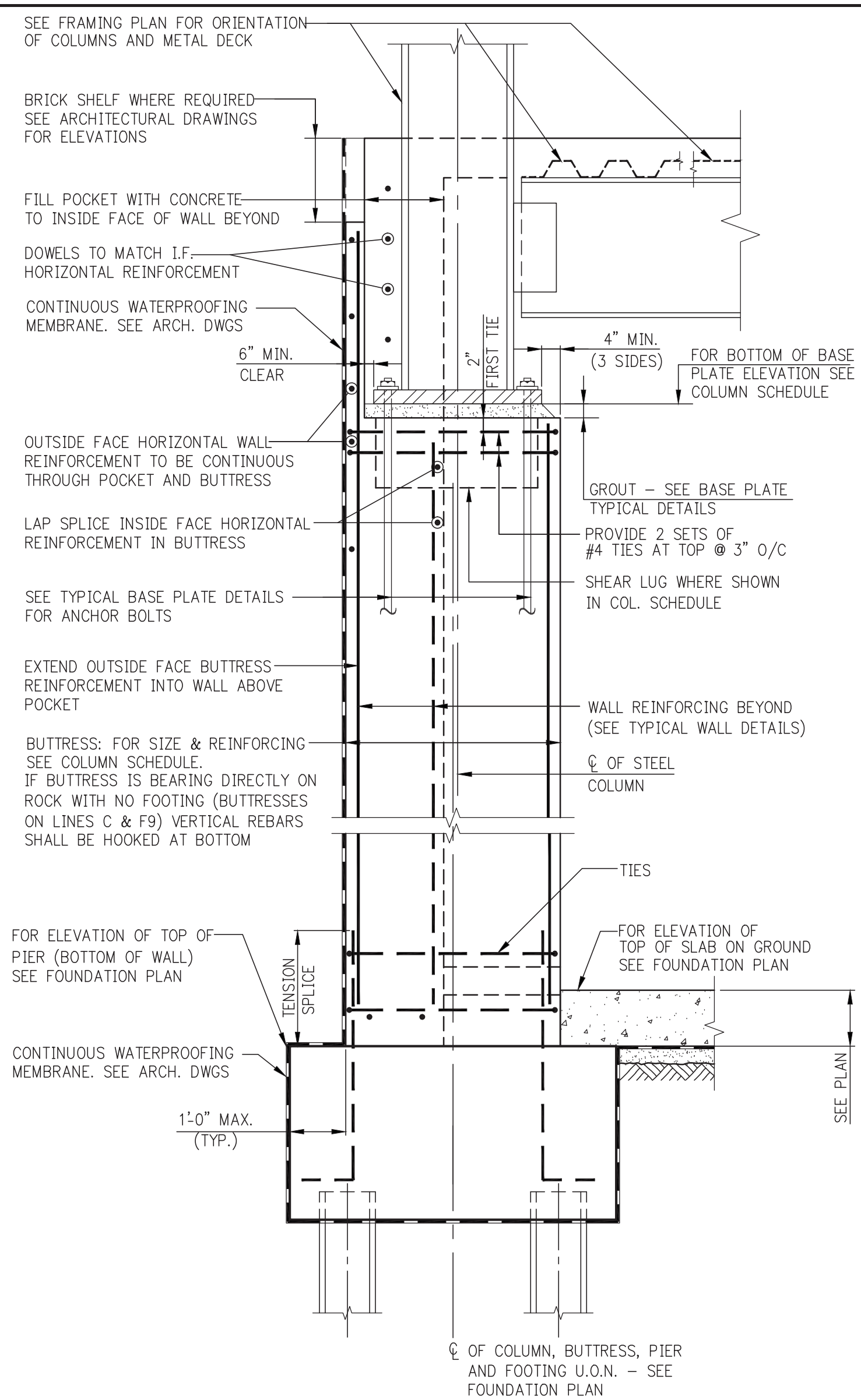
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200 TON CAPACITY PILE CAP DETAILS
 NOTE:
 1. ALL REINFORCEMENT IS BOTTOM REINFORCEMENT, WITH 90° HOOK U.O.N.
 2. FOR DETAIL OF PC61 SEE FO-101 SERIES.

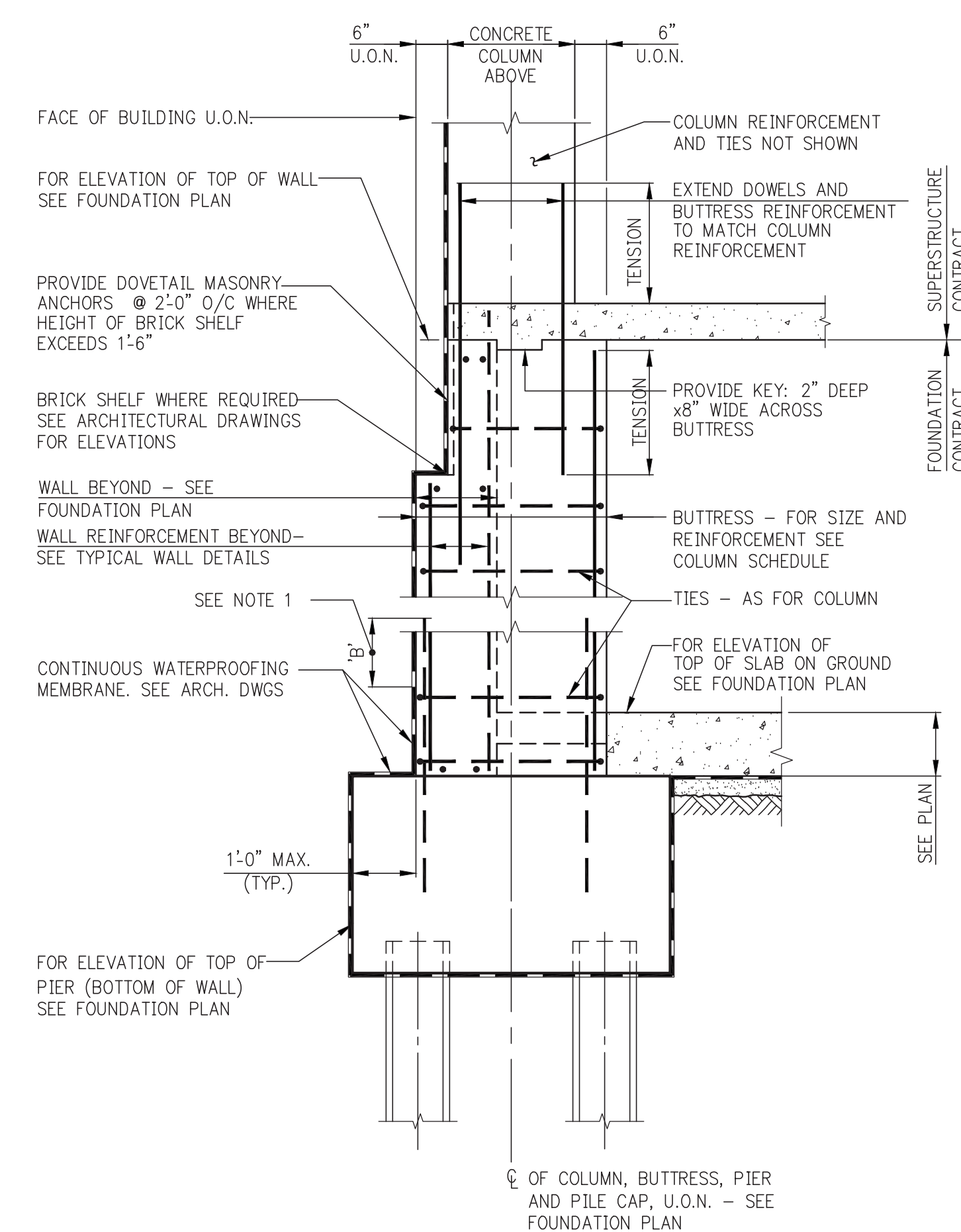


200 TON CAPACITY CAISSON CAP DETAILS
 NOTE: ALL REINFORCEMENT IS BOTTOM REINFORCEMENT, WITH 90° HOOK U.O.N.



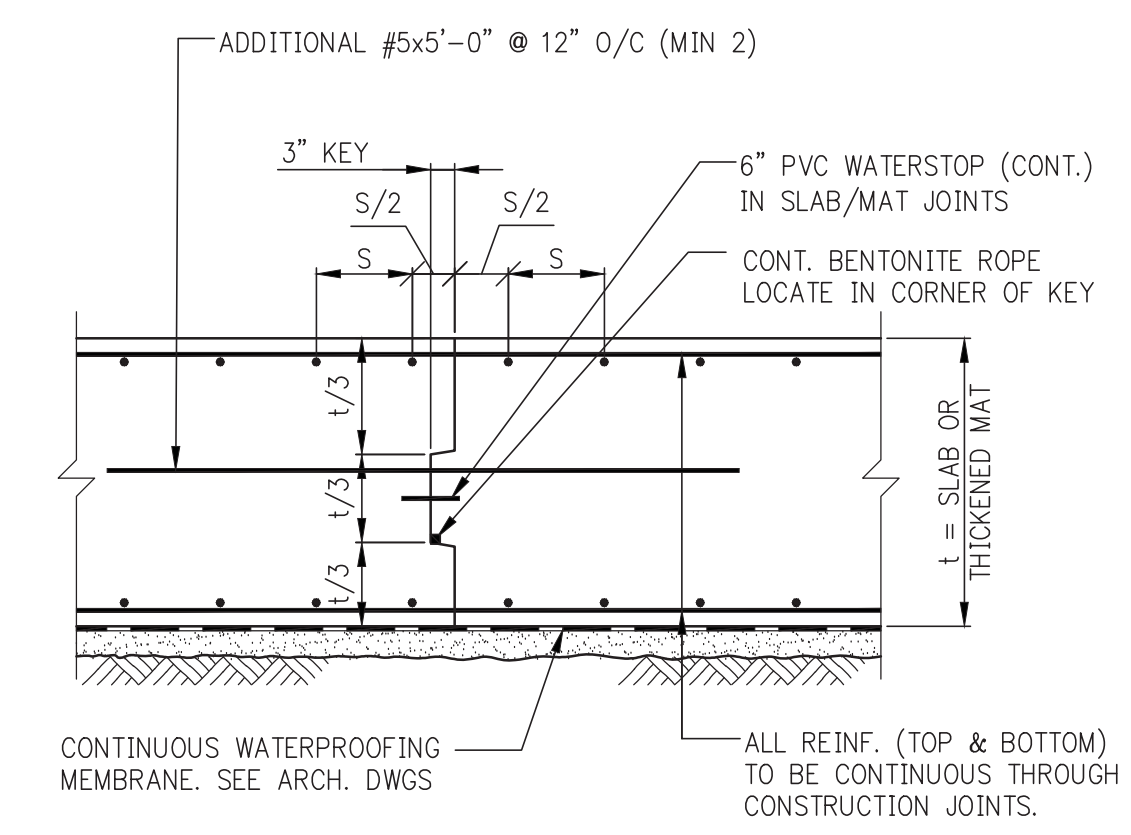
BUTTRESS AT STEEL COLUMN

- NOTES:**
1. FOR FOOTING REINFORCING SEE FOOTING SCHEDULE.
 2. FOR ADDITIONAL INFORMATION SEE TYPICAL DETAIL AT PERIMETER FOOTING AND TYPICAL FOUNDATION WALL DETAIL.

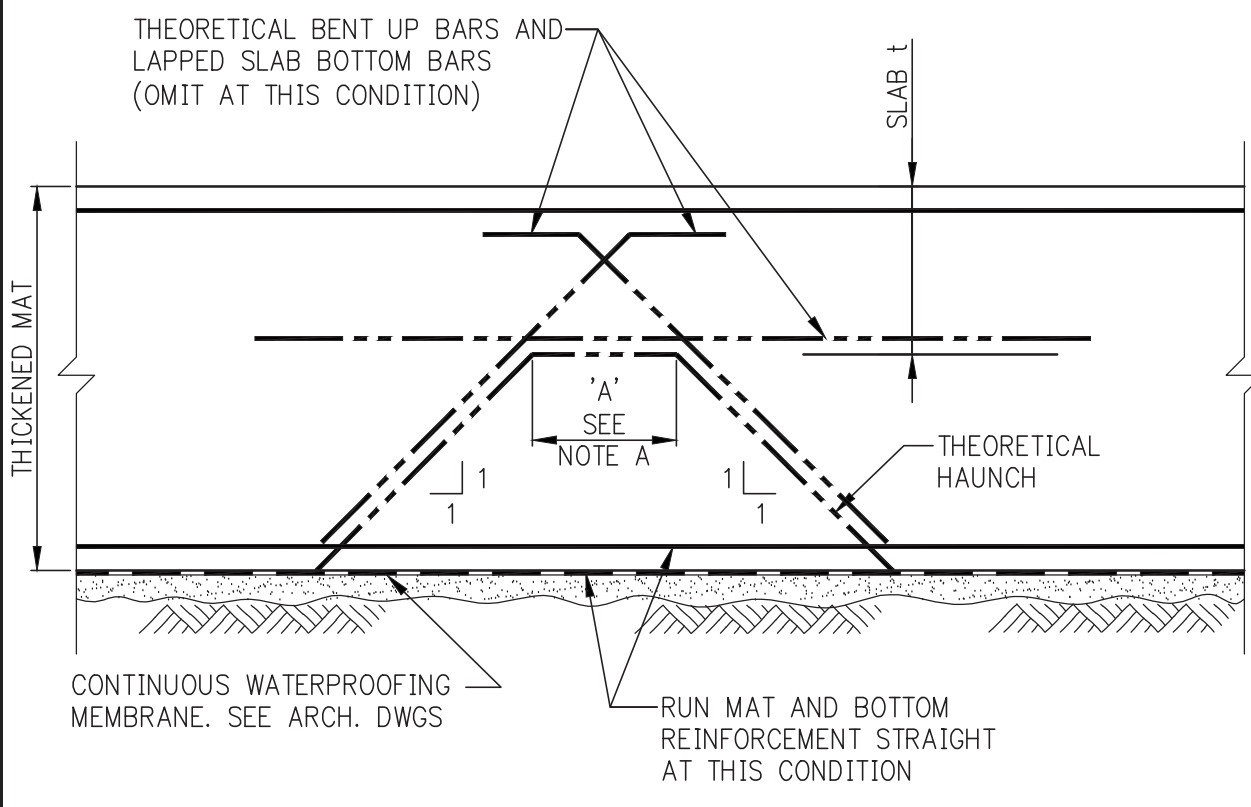


- NOTE:**
1. WHEN SLAB ON GROUND IS POURED BEFORE COLUMN, INCREASE LENGTH OF DOWELS BY DIMENSION 'B'. IN ADDITION, IF COLUMN CONCRETE STRENGTH IS GREATER THAN 1.4 TIMES SLAB CONCRETE STRENGTH, THE SLAB CONCRETE STRENGTH MUST BE INCREASED LOCALLY TO MATCH COLUMN CONCRETE STRENGTH FOR A DISTANCE OF 2 FEET IN ALL DIRECTIONS FROM COLUMN FACES.

BUTTRESS AT CONCRETE COLUMN

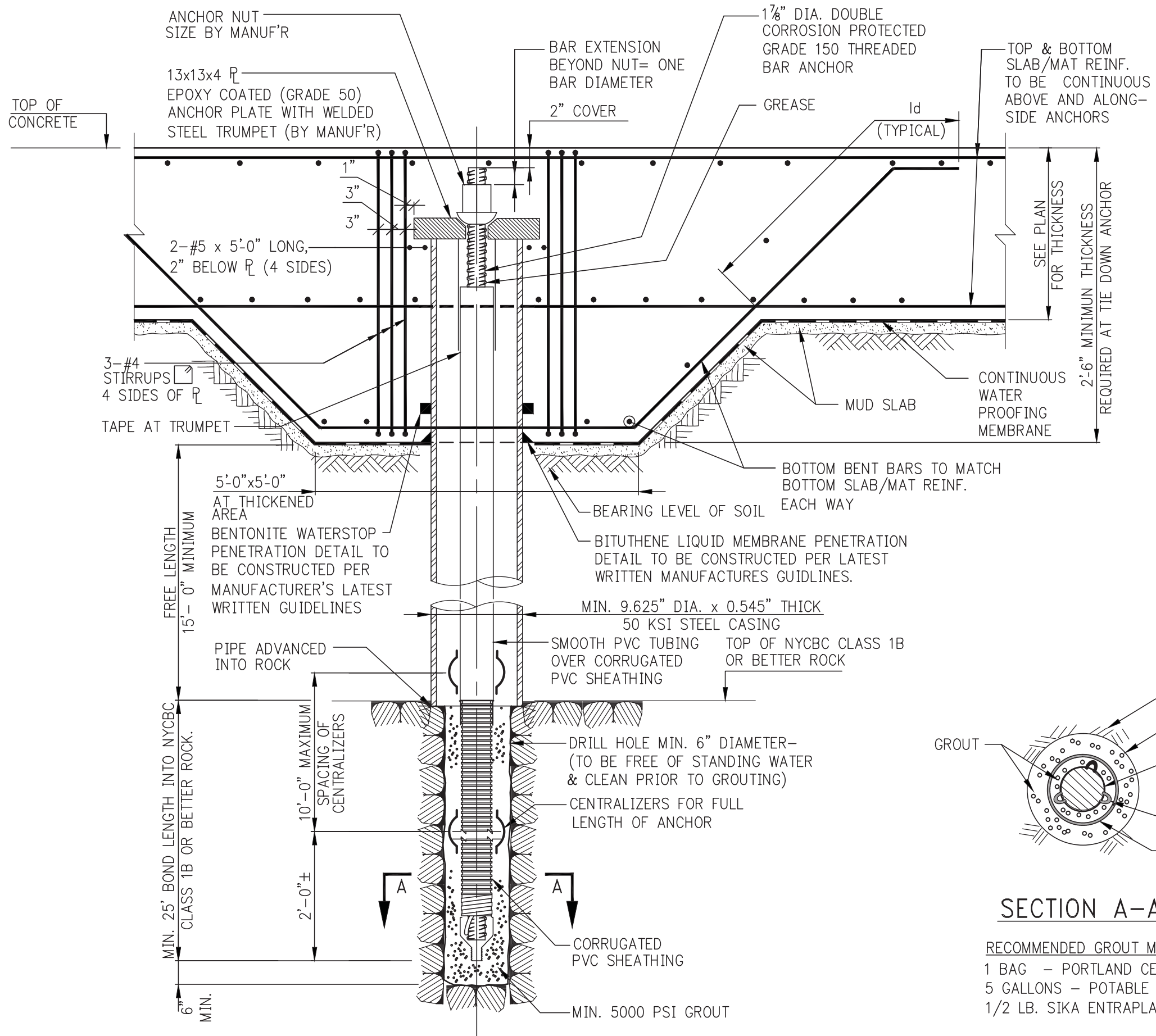


MAT FOUNDATION CONSTRUCTION JOINT

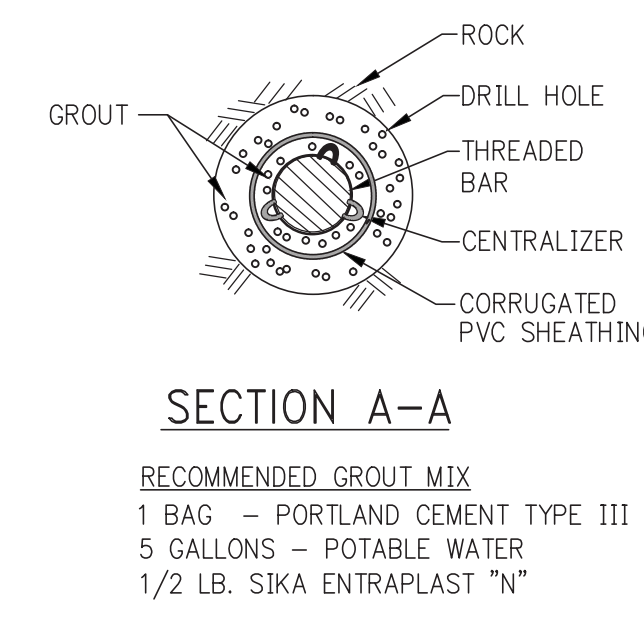


MAT FOUNDATION CONDITION WHERE THEORETICAL HAUNCHES ARE TO BE OMITTED

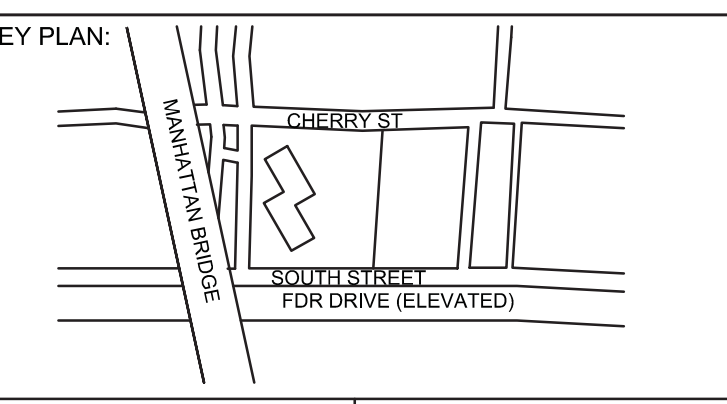
- NOTE A:**
 WHEN THEORETICAL DIMENSION 'A' IS LESS THAN 1'-6", OMIT HAUNCHES REPRESENTED BY DASHED LINES



TIE-DOWN ROCK ANCHOR AT PRESSURE SLAB ON SOIL



- SECTION A-A**
- RECOMMENDED GROUT MIX**
- 1 BAG - PORTLAND CEMENT TYPE III
 - 5 GALLONS - POTABLE WATER
 - 1/2 LB. SIKKA ENTRAPLAST "N"



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| 5 | 50% DD | 08-01-14 |
| 6 | ISSUED FOR DOT | 08-07-14 |
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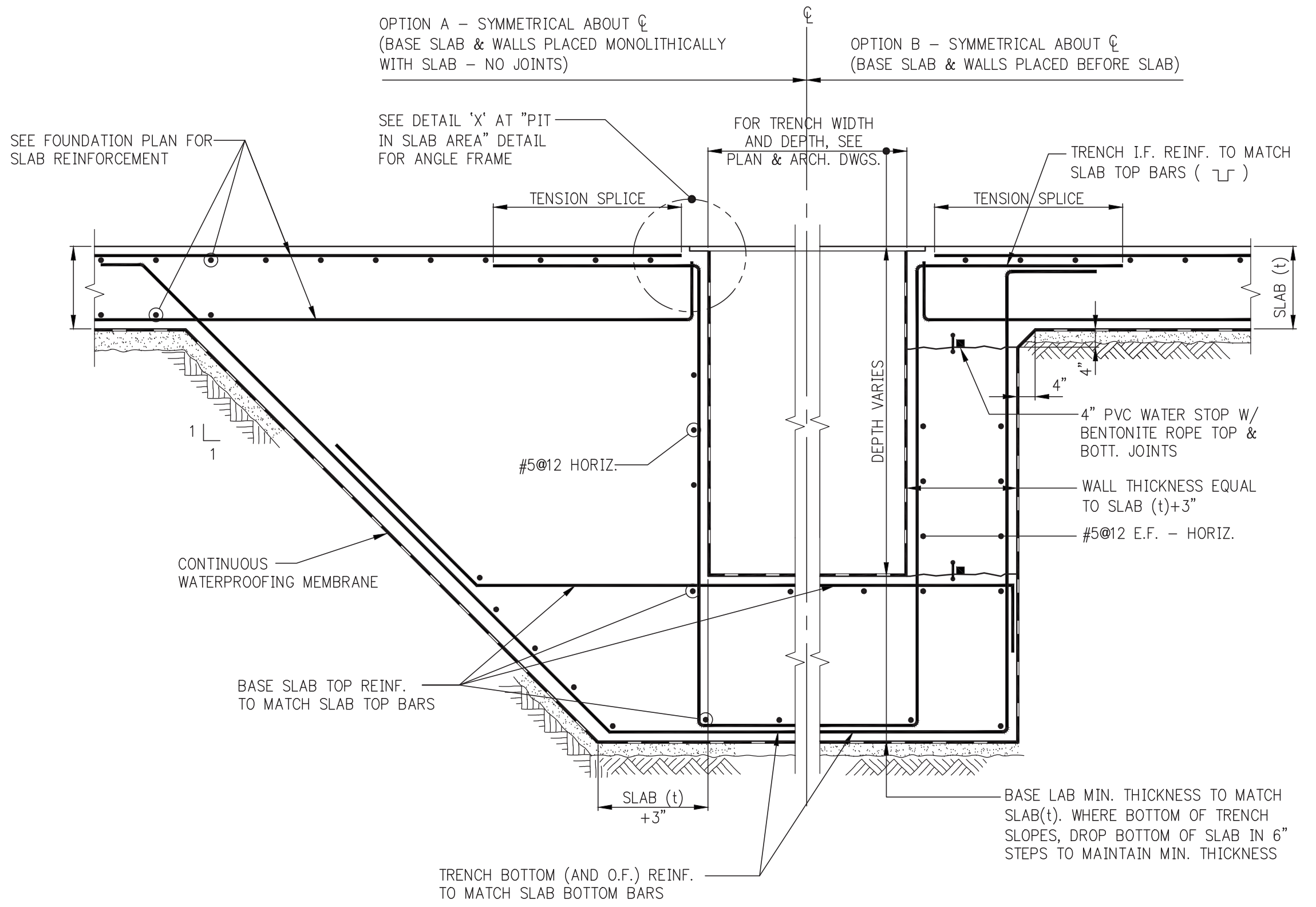
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PROJECT:
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**TYPICAL FOUNDATION
 DETAILS 3**

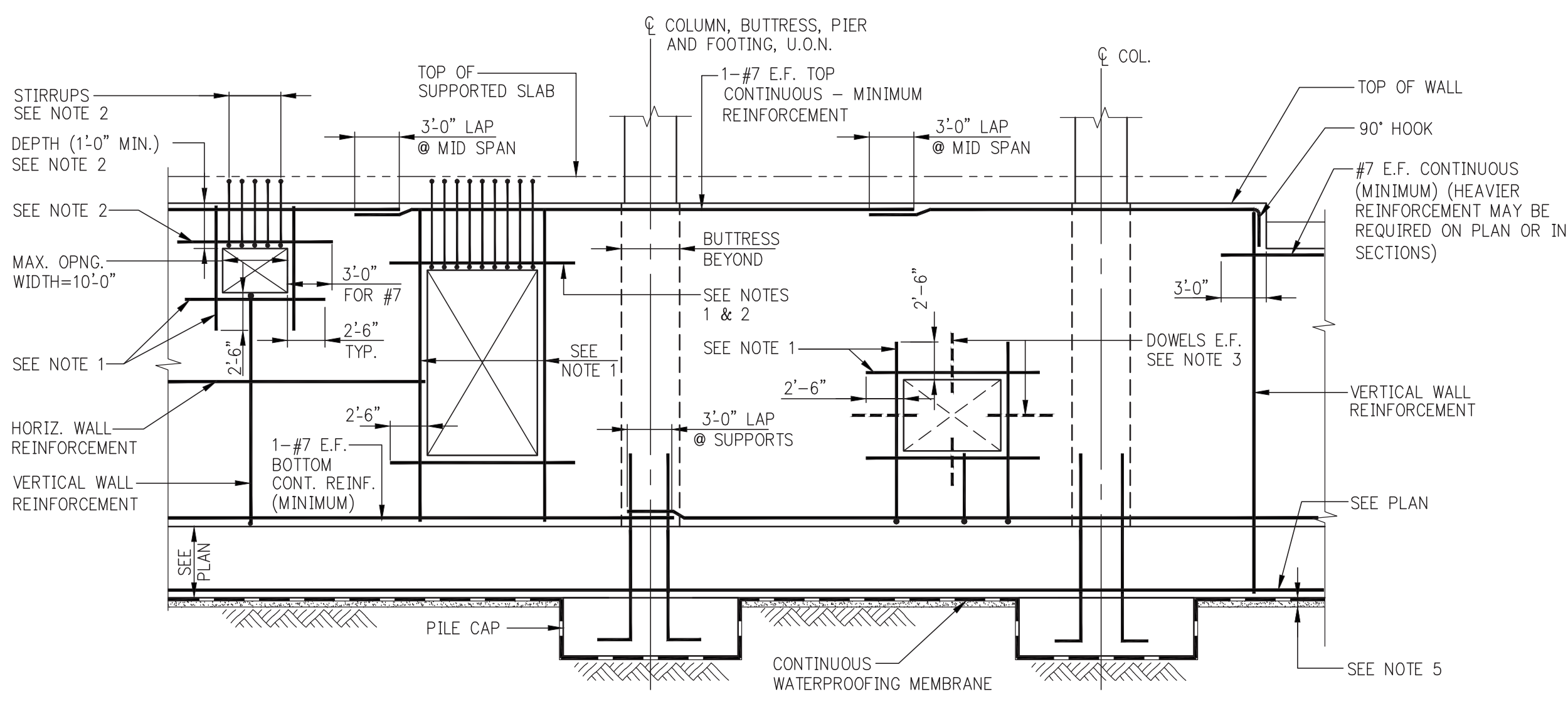
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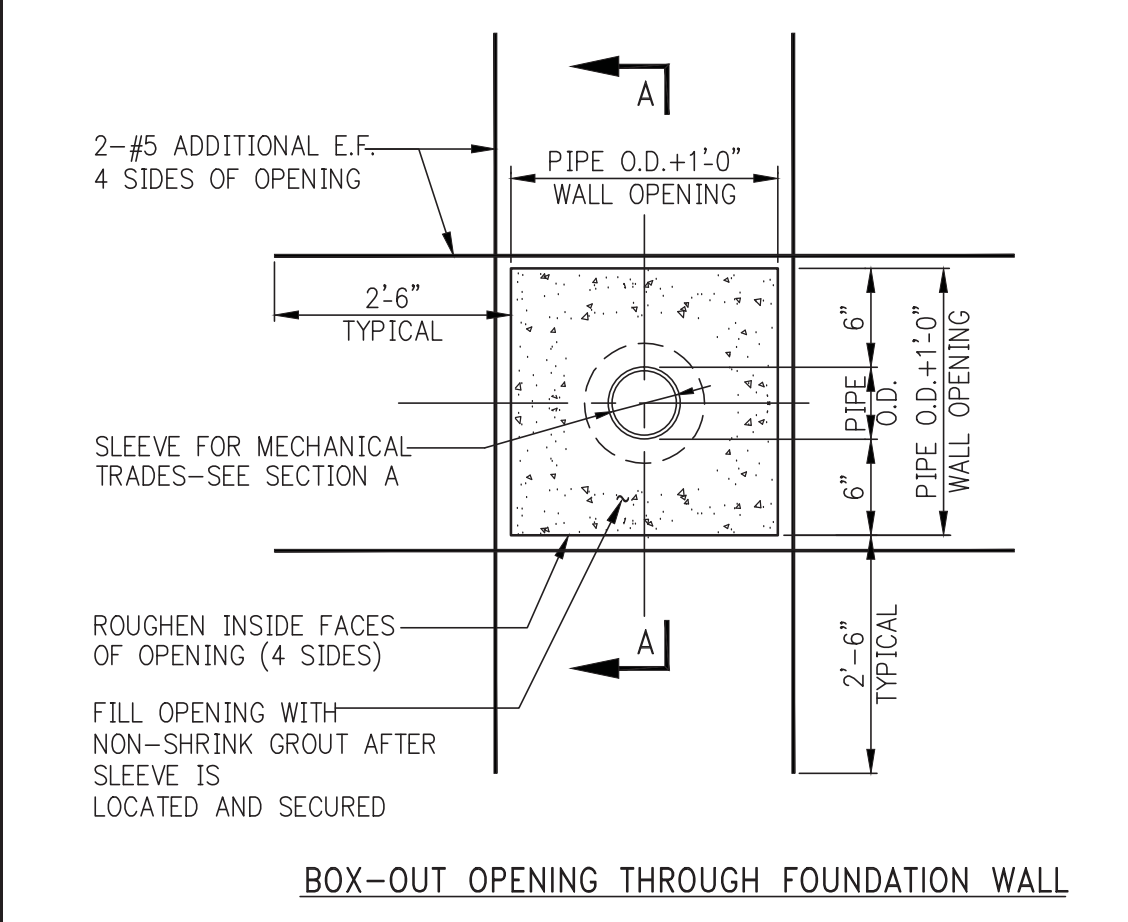
MAT FOUNDATION TRENCH IN SLAB AREA (DEEPER THAN SLAB)

NOTE:
 TOP AND BOTTOM SLAB REINF. MUST BE LAP SPICED AND HOOKED AS SHOWN TO MAINTAIN MOMENT CAPACITY CONTINUITY.

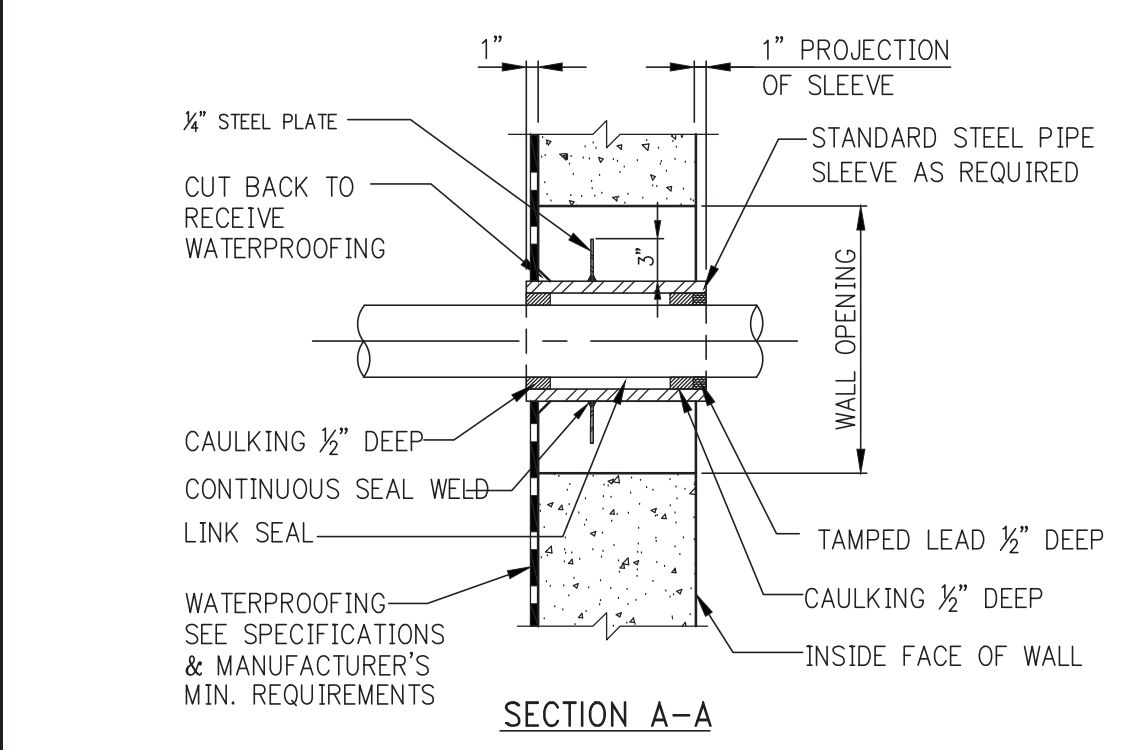


FOUNDATION WALL ELEVATION SHOWING REINFORCEMENT AT OPENINGS AND MISCELLANEOUS DETAILS

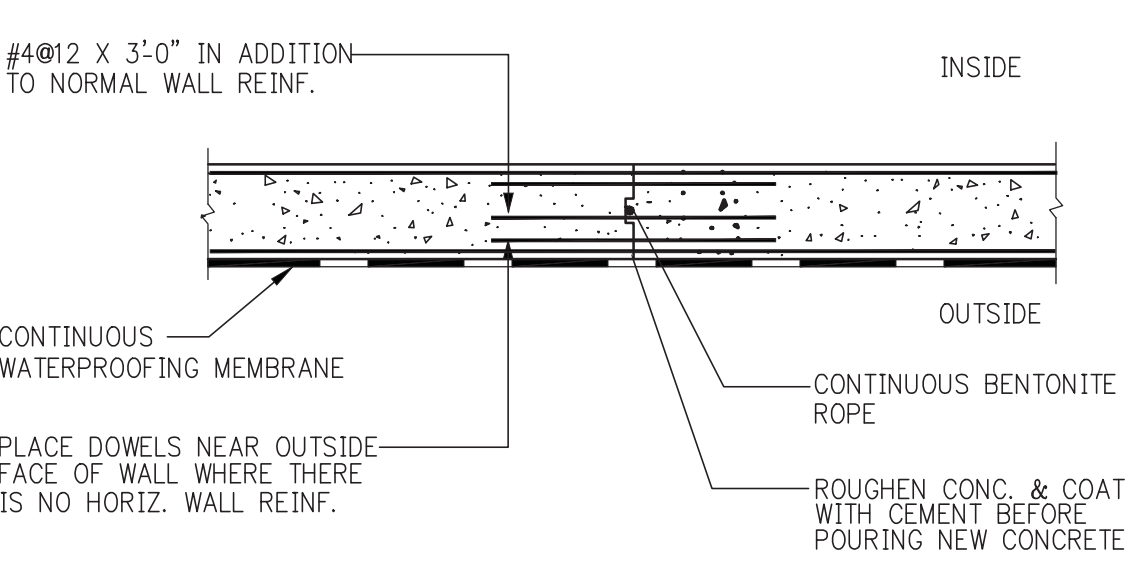
- NOTES:**
- ADD #5 BARS (HORIZ. & VERT.) AT ALL FOUR EDGES OF OPENINGS. AREA OF ADDED BARS AT EACH EDGE TO BE EQUAL TO ONE HALF OF AREA OF INTERRUPTED BARS IN THE CORRESPONDING DIRECTION. PROVIDE A MINIMUM OF 1-#5 E.F.
 - WHERE TOP EDGE OF OPENING IS LESS THAN 2'-6" FROM TOP OF WALL ADD 1-#7 E.F. (IN LIEU OF #5) OVER OPENING. PROVIDE #4 [L] STIRRUPS @ 8" - EXTEND INTO SLAB WITH 2" COVER AT TOP OF STIRRUPS.
 - AT UTILITY ACCESS OPENINGS WHICH ARE TO BE FILLED IN WITH CONCRETE, PROVIDE DOWELS PROJECTING 1'-0" INTO OPENING, EITHER EXTEND HORIZONTAL AND VERTICAL WALL REINFORCEMENT, OR ADD #4@12 E.F. DOWELS x2'-6" LONG.
 - FOR ACTUAL OPENING SIZES AND LOCATIONS, SEE PLANS, SECTIONS, ARCHITECTURAL DWGS., AND MEP DWGS. SUBMIT SHOP DRAWINGS WITH WALL ELEVATIONS SHOWING ALL OPENINGS AND REINFORCEMENT.
 - PROVIDE FOOTING OR CONCRETE MUD SLAB TO SUPPORT WALL FORMS AND WET CONCRETE. SEE FOUNDATION SECTIONS ON FS-300 SERIES DRAWINGS FOR ADDITIONAL DETAILS.



BOX-OUT OPENING THROUGH FOUNDATION WALL

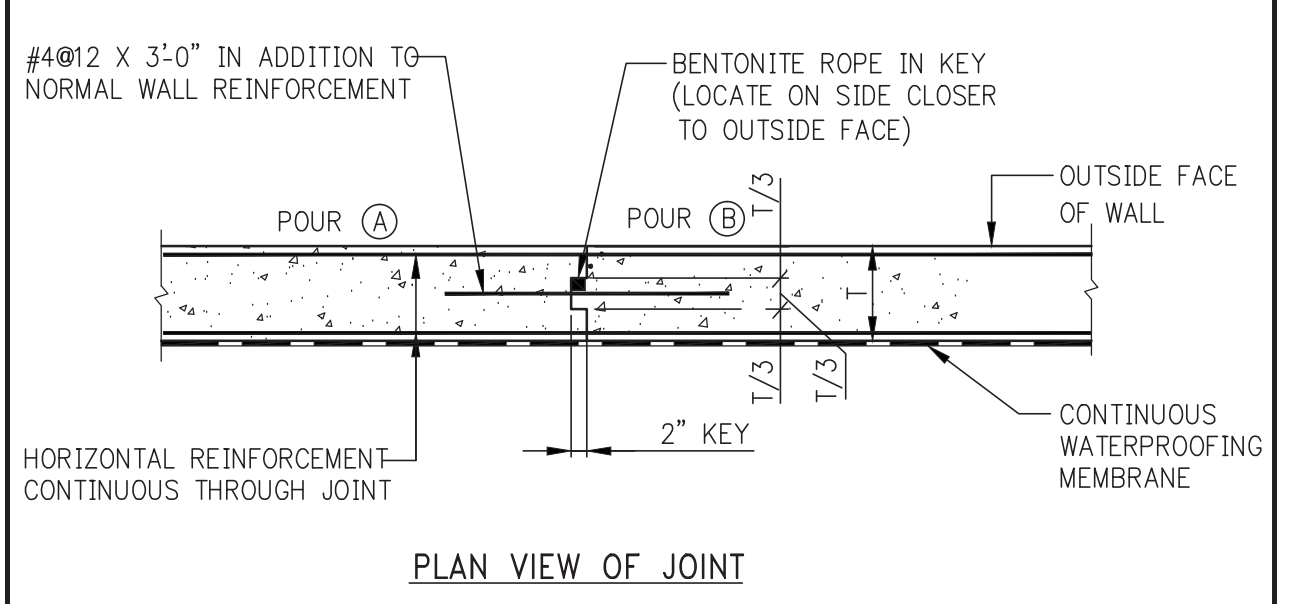


WATERPROOFED SLEEVE THROUGH WALL WITH WATERPROOFING

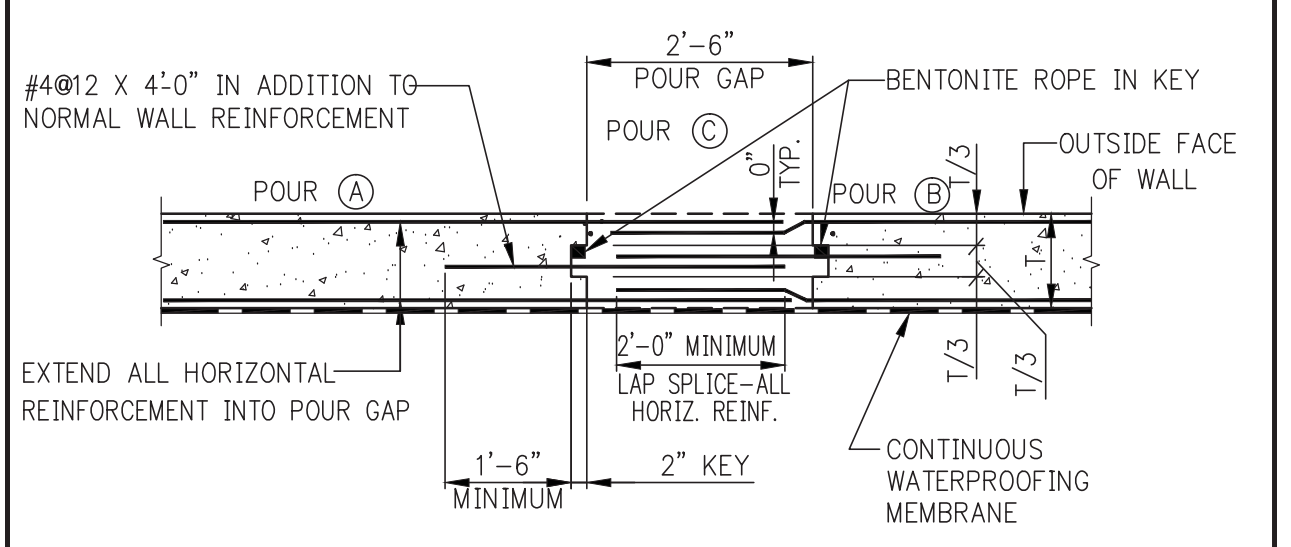


TYPICAL VERTICAL CONSTRUCTION JOINT IN WALL

KEY WIDTH NOT TO EXCEED 1/3 DEPTH OF WALL OR BEAM. VERTICAL CONSTRUCTION JOINT PERMITTED IN WALL OR GRADE BEAM AT ANY POINT 4'-0" MIN. AWAY FROM FACE OF SUPPORTING PIER, BUTTRESS AND/OR WALL OPENING. PROVIDE ONE VERTICAL CONSTRUCTION JOINT FOR EVERY 40'-0" OF A STRAIGHT RUN OF WALL. ANY CONSTRUCTION JOINT AS A RESULT OF ANY CONCRETE STOPPAGE IN EXCESS OF 10 MIN. LAPSING TIME BETWEEN CONSECUTIVE POURS MUST HAVE BENTONITE ROPE.



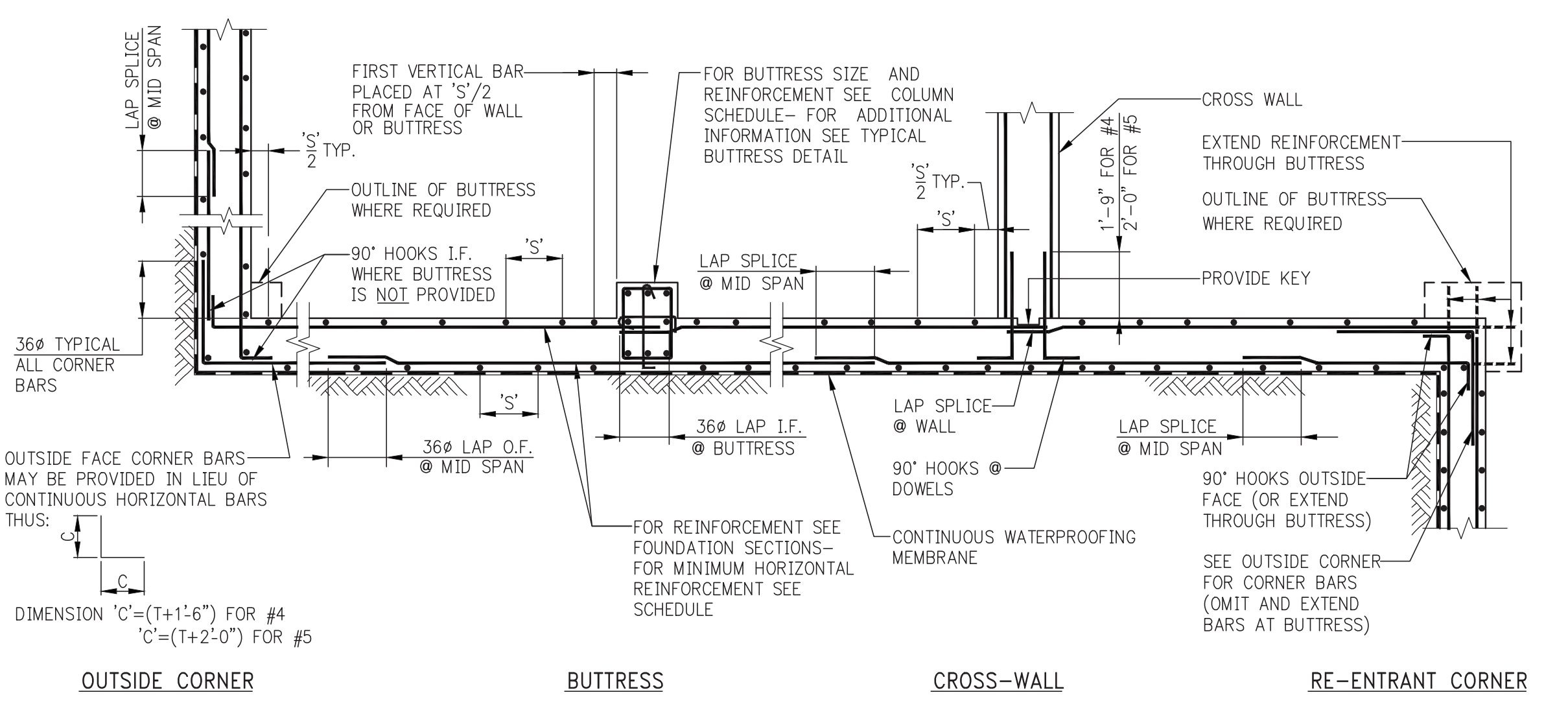
PLAN VIEW OF JOINT



ALTERNATIVE-POUR GAP

VERTICAL CONSTRUCTION JOINT IN FOUNDATION WALL

- NOTES:**
- CONSTRUCTION JOINTS IN WALLS SHALL BE LOCATED AT LEAST FOUR FEET FROM FACE OF SUPPORTING PIER, FOOTING, PILE CAP, ETC. OR FROM WALL OPENING.
 - MAXIMUM SPACING BETWEEN JOINTS SHALL BE FORTY FEET UNLESS NOTED OTHERWISE ON THE FOUNDATION DRAWINGS.
 - CONCRETE SHALL NOT BE PLACED IN THE POUR GAP UNTIL 24 HOURS AFTER PLACEMENT OF THE MOST RECENT ADJACENT SECTION.
 - FOR JOINTS IN SHEARWALLS SEE DETAILS IN FS-400 OR S-400 SERIES.

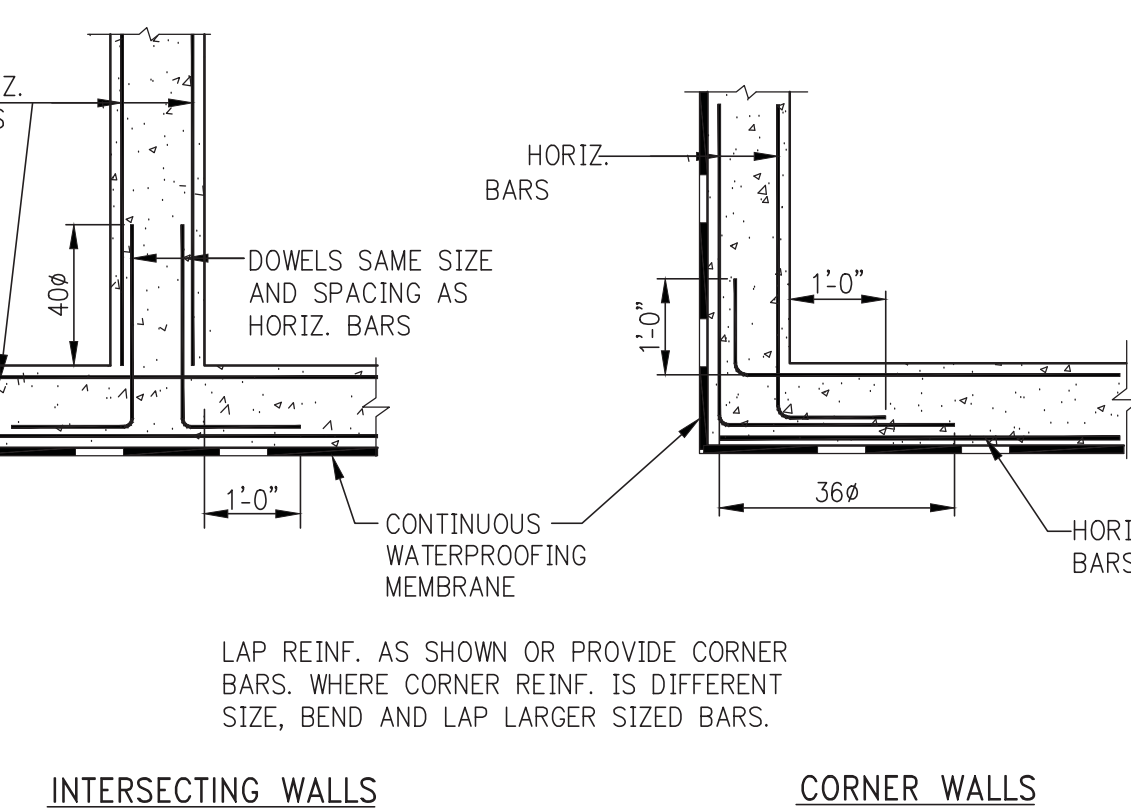


HORIZONTAL SECTION SHOWING PLACEMENT OF FOUNDATION WALL REINFORCEMENT

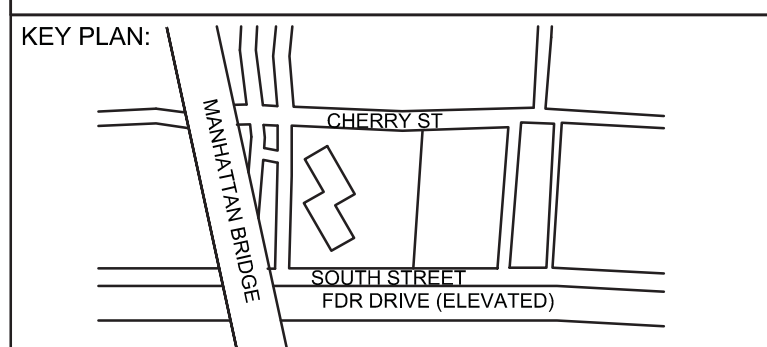
MINIMUM HORIZONTAL WALL REINFORCEMENT REQUIRED AT EACH FACE

| T = WALL THICKNESS | HORIZONTAL REINFORCEMENT |
|--------------------|--------------------------|
| UP TO 10" | #4@18 E.F. |
| 11" TO 12" | #4@16 E.F. |
| 13" TO 16" | #4@12 E.F. |
| 17" TO 20" | #4@10 OR #5@15 E.F. |
| 21" TO 22" | #4@9 OR #5@12 E.F. |
| 23" TO 24" | #4@8 OR #5@12 E.F. |
| OVER 24" | SEE PLANS AND SECTIONS |

NOTE:
 VERTICAL CONSTRUCTION JOINT IN WALL IS NOT SHOWN HERE - SEE TYPICAL CONSTRUCTION JOINT DETAIL.



TYPICAL WALL INTERSECTION DETAILS



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**250 SOUTH STREET
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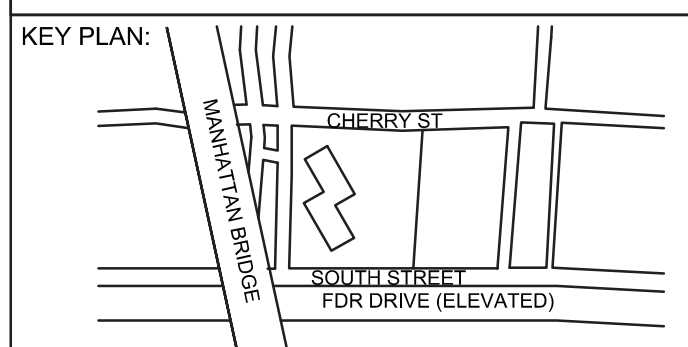
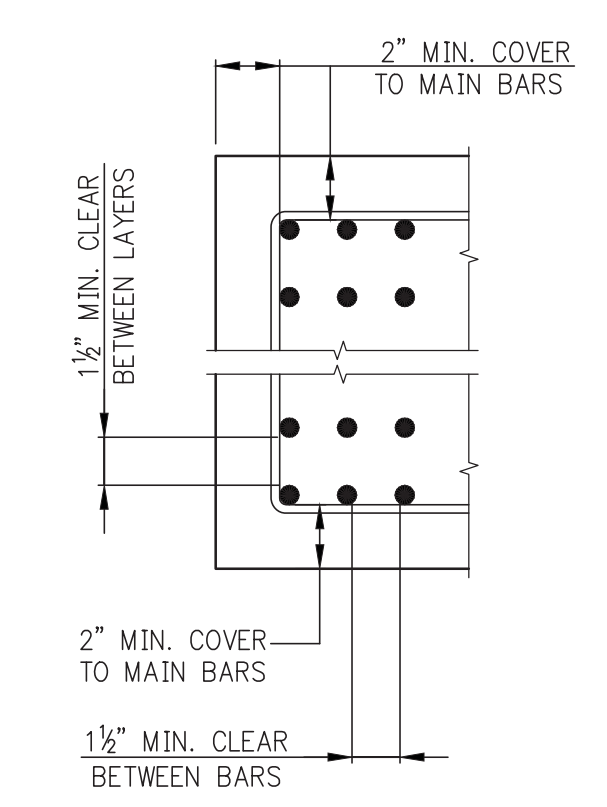


TABLE #1:
TENSION LAP SPLICES (CLASS B MINIMUM)

| TABLE 1.A: 3/4" COVER TO OUTER LAYER BARS OUTER LAYER LAP LENGTHS (IN INCHES) | | TABLE 1.C: 1 1/2" COVER TO OUTER LAYER BARS OUTER LAYER LAP LENGTHS (IN INCHES) | |
|--|--|--|--|
| BAR # | 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000 | BAR # | 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000 |
| #3 | 16 16 16 16 16 16 16 16 | #3 | 16 16 16 16 16 16 16 16 |
| #4 | 21 20 20 20 20 20 20 20 | #4 | 20 20 20 20 20 20 20 20 |
| #5 | 31 27 24 24 24 24 24 24 | #5 | 24 24 24 24 24 24 24 24 |
| #6 | 43 37 33 30 29 29 29 29 | #6 | 29 29 29 29 29 29 29 29 |
| #7 | 69 60 53 49 45 42 40 38 | #7 | 42 37 34 34 34 34 34 34 |
| #8 | 85 74 66 60 56 52 49 47 | #8 | 53 46 41 39 39 39 39 39 |
| #9 | 103 89 80 73 67 63 59 56 | #9 | 66 57 51 46 44 44 44 44 |
| #10 | 121 105 94 86 79 74 70 66 | #10 | 79 68 61 56 51 49 49 49 |
| #11 | 140 122 109 99 92 86 81 77 | #11 | 92 80 72 65 60 57 54 54 |

| TABLE 1.B: 3/4" COVER TO OUTER LAYER BARS INNER LAYER LAP LENGTHS (IN INCHES) | | TABLE 1.D: 1 1/2" COVER TO OUTER LAYER BARS INNER LAYER LAP LENGTHS (IN INCHES) | |
|--|--|--|--|
| BAR # | 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000 | BAR # | 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000 |
| #3 | 16 16 16 16 16 16 16 16 | #3 | 16 16 16 16 16 16 16 16 |
| #4 | 20 20 20 20 20 20 20 20 | #4 | 20 20 20 20 20 20 20 20 |
| #5 | 24 24 24 24 24 24 24 24 | #5 | 24 24 24 24 24 24 24 24 |
| #6 | 30 29 29 29 29 29 29 29 | #6 | 29 29 29 29 29 29 29 29 |
| #7 | 48 42 38 34 34 34 34 34 | #7 | 37 34 34 34 34 34 34 34 |
| #8 | 61 53 47 43 40 39 39 39 | #8 | 43 39 39 39 39 39 39 39 |
| #9 | 75 65 58 53 49 46 44 44 | #9 | 53 46 44 44 44 44 44 44 |
| #10 | 89 77 69 63 58 55 51 49 | #10 | 64 55 49 49 49 49 49 49 |
| #11 | 104 90 81 74 68 64 60 57 | #11 | 75 65 58 54 54 54 54 54 |



- NOTES FOR TENSION LAP SPLICES**
- REINFORCEMENT IS UNCOATED, WITH $F_y=60,000$ PSI.
 - CONCRETE IS NORMAL WEIGHT (144-150#/C.F.).
 - FOR "TOP" BAR SPLICE LENGTHS ("TOP" IS DEFINED BY ACI 318 AS HAVING MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE BAR), TABULATED LENGTHS MUST BE MULTIPLIED BY 1.3.
 - LENGTHS TABULATED MUST BE MULTIPLIED BY THE FOLLOWING MODIFICATION FACTORS:
 - LIGHTWEIGHT CONCRETE1.3
 - EPOXY-COATED BARS:
 - BARS WITH COVER < 3db, OR WITH CLEAR SPACING < 6db ...1.5 FOR BOTTOM & VERTICAL BARS,
 - ALL OTHER CONDITIONS1.2
 - FOR EPOXY-COATED "TOP" BARS THE MAXIMUM FOR COMBINED FACTORS = 1.7
 - WHERE TENSION DEVELOPMENT LENGTH (L_d) IS REQUIRED ON PLANS OR IN DETAILS, SEE TENSION DEVELOPMENT LENGTH TABLES.
 - CLASS A LAP SPLICE LENGTHS ARE EQUAL TO TENSION DEVELOPMENT LENGTHS. SEE TABLES FOR TENSION DEVELOPMENT LENGTHS (L_d). APPLY APPROPRIATE MODIFICATION FACTORS TO CLASS A SPLICE LENGTHS.

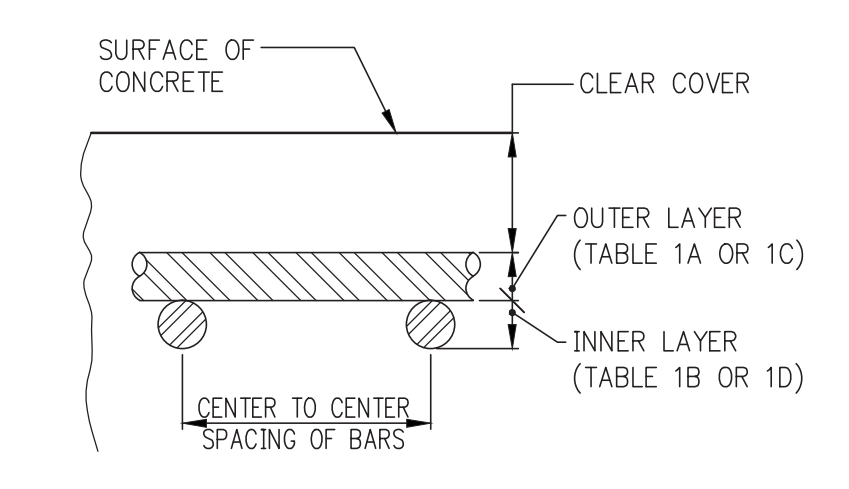


TABLE #2:
TENSION DEVELOPMENT LENGTHS (L_d) (IN INCHES)

| TABLE 2.A: 3/4" COVER TO OUTER LAYER BARS OUTER LAYER DEVELOPMENT LENGTHS | | TABLE 2.C: 1 1/2" COVER TO OUTER LAYER BARS OUTER LAYER DEVELOPMENT LENGTHS | |
|--|--|--|--|
| BAR # | 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000 | BAR # | 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000 |
| #3 | 12 12 12 12 12 12 12 12 | #3 | 12 12 12 12 12 12 12 12 |
| #4 | 16 14 13 12 12 12 12 12 | #4 | 13 12 12 12 12 12 12 12 |
| #5 | 24 21 19 17 16 15 14 13 | #5 | 16 14 13 13 13 13 13 13 |
| #6 | 33 28 25 23 22 20 19 18 | #6 | 20 17 15 15 15 15 15 15 |
| #7 | 53 46 41 37 35 32 31 29 | #7 | 32 28 25 23 21 20 19 18 |
| #8 | 66 57 51 46 43 40 38 36 | #8 | 41 36 32 29 27 25 24 23 |
| #9 | 79 69 61 56 52 49 46 43 | #9 | 50 44 39 36 33 31 29 28 |
| #10 | 93 81 72 66 61 57 54 51 | #10 | 60 52 47 43 40 37 35 33 |
| #11 | 108 94 84 76 71 66 62 59 | #11 | 71 61 55 50 46 43 41 39 |

| TABLE 2.B: 3/4" COVER TO OUTER LAYER BARS INNER LAYER DEVELOPMENT LENGTHS | | TABLE 2.D: 1 1/2" COVER TO OUTER LAYER BARS INNER LAYER DEVELOPMENT LENGTHS | |
|--|--|--|--|
| BAR # | 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000 | BAR # | 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000 |
| #3 | 12 12 12 12 12 12 12 12 | #3 | 12 12 12 12 12 12 12 12 |
| #4 | 13 12 12 12 12 12 12 12 | #4 | 13 12 12 12 12 12 12 12 |
| #5 | 16 14 13 13 13 13 13 13 | #5 | 16 14 13 13 13 13 13 13 |
| #6 | 23 20 18 16 15 15 15 15 | #6 | 20 17 15 15 15 15 15 15 |
| #7 | 37 32 29 26 24 23 22 20 | #7 | 29 25 22 20 19 18 18 18 |
| #8 | 47 41 36 33 31 29 27 26 | #8 | 33 28 25 23 22 20 20 20 |
| #9 | 57 50 44 41 38 35 33 31 | #9 | 41 35 31 29 27 25 23 23 |
| #10 | 68 59 53 48 45 42 40 38 | #10 | 49 42 38 35 32 30 28 27 |
| #11 | 80 69 62 57 52 49 46 44 | #11 | 58 50 45 41 38 35 33 32 |

- NOTES FOR TENSION DEVELOPMENT LENGTHS (L_d)**
- REINFORCEMENT IS UNCOATED, WITH $F_y=60,000$ PSI.
 - CONCRETE IS NORMAL WEIGHT (144-150#/C.F.).
 - FOR "TOP" BAR DEVELOPMENT LENGTHS ("TOP" IS DEFINED BY ACI 318 AS HAVING MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE BAR), TABULATED LENGTHS MUST BE MULTIPLIED BY 1.3.
 - LENGTHS TABULATED MUST BE MULTIPLIED BY THE FOLLOWING MODIFICATION FACTORS:
 - LIGHTWEIGHT CONCRETE1.3
 - EPOXY-COATED BARS:
 - BARS WITH COVER < 3db, OR WITH CLEAR SPACING < 6db ...1.5 FOR BOTTOM & VERTICAL BARS,
 - ALL OTHER CONDITIONS1.2
 - FOR EPOXY-COATED "TOP" BARS THE MAXIMUM FOR COMBINED FACTORS = 1.7
 - WHERE TENSION DEVELOPMENT LENGTH (L_d) IS REQUIRED ON PLANS OR IN DETAILS, SEE TENSION DEVELOPMENT LENGTH TABLES.
 - CLASS A LAP SPLICE LENGTHS ARE EQUAL TO TENSION DEVELOPMENT LENGTHS. SEE TABLES FOR TENSION DEVELOPMENT LENGTHS (L_d). APPLY APPROPRIATE MODIFICATION FACTORS TO CLASS A SPLICE LENGTHS.

TABLE #3:
TENSION DEVELOPMENT LENGTHS FOR STANDARD END HOOKS (l_{dh}) (LENGTHS IN INCHES)

| BAR SIZE | CONCRETE STRENGTH (PSI) | | | | | | | |
|----------|-------------------------|-------|-------|-------|-------|-------|-------|---------|
| | 3,000 | 4,000 | 5,000 | 6,000 | 7,000 | 8,000 | 9,000 | 10,000* |
| #3 | 9 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| #4 | 11 | 10 | 9 | 8 | 7 | 7 | 7 | 6 |
| #5 | 14 | 12 | 11 | 10 | 9 | 9 | 8 | 8 |
| #6 | 17 | 15 | 13 | 12 | 11 | 10 | 10 | 9 |
| #7 | 19 | 17 | 15 | 14 | 13 | 12 | 11 | 11 |
| #8 | 22 | 19 | 17 | 16 | 15 | 14 | 13 | 12 |
| #9 | 25 | 22 | 19 | 18 | 16 | 15 | 15 | 14 |
| #10 | 28 | 24 | 22 | 20 | 19 | 17 | 16 | 16 |
| #11 | 31 | 27 | 24 | 22 | 21 | 19 | 18 | 17 |
| #14 | 37 | 32 | 29 | 27 | 25 | 23 | 22 | 21 |
| #18 | 50 | 43 | 39 | 35 | 33 | 31 | 29 | 27 |

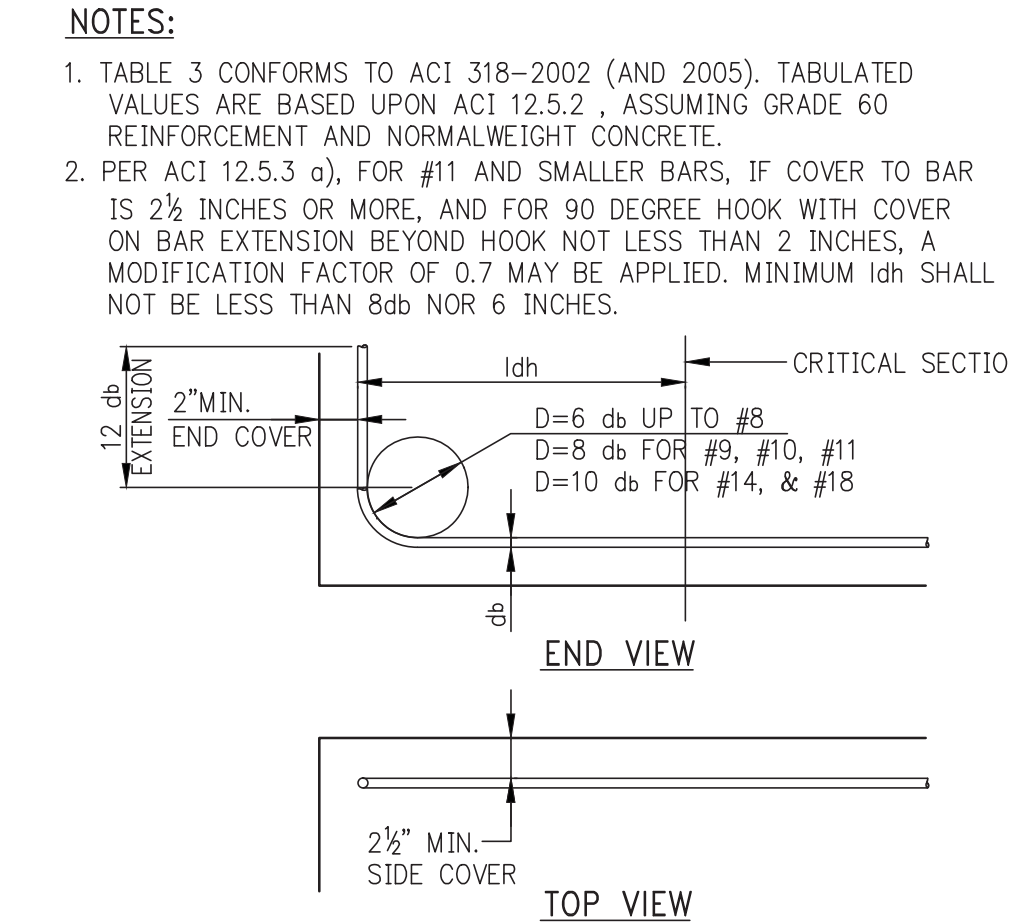


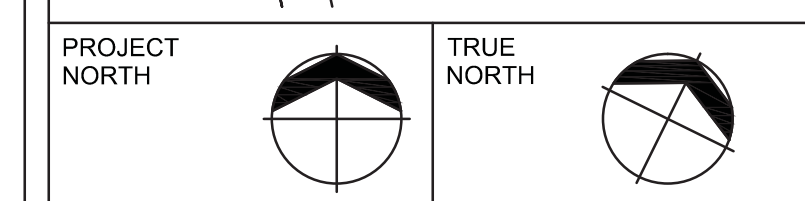
TABLE #4:
COMPRESSION LAP SPLICES (LENGTHS IN INCHES)

| BAR SIZE | GRADE OF REINFORCEMENT | | |
|-------------|------------------------|------------------|------------------|
| | 60 KSI (30 DIA.) | 75 KSI (44 DIA.) | 80 KSI (48 DIA.) |
| #3 | 12 | 17 | 18 |
| #4 | 15 | 22 | 24 |
| #5 | 19 | 28 | 30 |
| #6 | 23 | 33 | 36 |
| #7 | 27 | 39 | 42 |
| #8 | 30 | 44 | 48 |
| #9 | 34 | 50 | 54 |
| #10 | 38 | 56 | 61 |
| #11 | 43 | 62 | 68 |
| #14 AND #18 | | | |

- NOTES:**
- LAP SPLICES ARE NOT PERMITTED. USE MECHANICAL CONNECTIONS OR WELDED SPLICES FOR #14 AND #18, PER ACI 318 (12.14.3).
 - LAP SPLICES OF #14 AND #18 BARS TO #11 AND SMALLER BARS ARE PERMITTED PER ACI 318 (12.16.2).
 - FOR BARS OF DIFFERENT SIZE, USE LARGER OF: SPLICE LENGTH OF SMALLER BAR (TABLE #4) OR DEVELOPMENT LENGTH OF LARGER BAR (FROM TABLE #5) PER ACI 318 (12.16.2).
- NOTE:**
TABLE #4 APPLIES FOR NORMALWEIGHT CONCRETE WITH $f_c = 3,000$ PSI OR GREATER.

TABLE #5:
DEVELOPMENT LENGTHS FOR BARS IN COMPRESSION (LENGTHS IN INCHES)

| BAR SIZE | $f_y = 60,000$ PSI | | | $f_y = 75,000$ PSI | | | $f_y = 80,000$ PSI | | | | | |
|----------|----------------------|-------|-------|--------------------|----------------------|-------|--------------------|---------------|----------------------|-------|-------|---------------|
| | CONC. f_c (IN PSI) | 3,000 | 4,000 | 5,000 OR MORE | CONC. f_c (IN PSI) | 3,000 | 4,000 | 5,000 OR MORE | CONC. f_c (IN PSI) | 3,000 | 4,000 | 5,000 OR MORE |
| #3 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| #4 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| #5 | 14 | 12 | 12 | 12 | 14 | 12 | 12 | 12 | 15 | 13 | 12 | 12 |
| #6 | 17 | 15 | 14 | 12 | 17 | 15 | 14 | 18 | 16 | 15 | 15 | 15 |
| #7 | 19 | 17 | 16 | 14 | 21 | 18 | 17 | 22 | 19 | 18 | 18 | 18 |
| #8 | 19 | 17 | 16 | 14 | 24 | 21 | 20 | 26 | 22 | 21 | 21 | 21 |
| #9 | 22 | 19 | 18 | 16 | 28 | 24 | 23 | 29 | 25 | 24 | 24 | 24 |
| #10 | 25 | 22 | 21 | 18 | 31 | 27 | 25 | 33 | 28 | 27 | 27 | 27 |
| #11 | 28 | 24 | 23 | 19 | 34 | 30 | 28 | 36 | 31 | 30 | 30 | 30 |
| #14 | 31 | 27 | 26 | 23 | 38 | 33 | 31 | 40 | 34 | 33 | 33 | 33 |
| #18 | 37 | 32 | 31 | 28 | 48 | 42 | 39 | 51 | 44 | 42 | 42 | 42 |
| #18 | 50 | 43 | 41 | 36 | 62 | 54 | 51 | 65 | 56 | 54 | 54 | 54 |



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EXTELL DEVELOPMENT COMPANY
805 Third Ave, 7th Floor
New York, NY 10005
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New York, NY 10014
TEL: 212-627-5574

LANDSCAPE DESIGNER:
WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE P.C.
333 Hudson Street, Suite 905
New York, NY 10013
TEL: 212-285-0088 FAX: 212-285-0228

STRUCTURAL ENGINEERS:
WSP
228 East 45th Street
New York, NY 10017
TEL: 212-687-8888 FAX: 646-487-5501

MEP ENGINEERS:
ICOR ASSOCIATES, LLC
485 C Route 1 South, Suite 200
Iselin, NJ 08830
TEL: 908-272-3300 FAX: 908-272-4440

GEOTECHNICAL ENGINEERS:
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
21 Penn Plaza - 360 West 31st Street, 8th Floor
New York, NY 10001
TEL: 212-479-5400 FAX: 212-479-5444

| No. | DESCRIPTION: | DATE: |
|-----|---------------------------|----------|
| 1 | ISSUED FOR DOT | 04-28-14 |
| 2 | FOUNDATION FILING | 06-10-14 |
| 3 | ISSUED FOR FOUNDATION BID | 07-25-14 |
| 4 | SOI DD | 08-01-14 |
| 5 | ISSUED FOR DOT | 08-07-14 |
| 6 | ISSUED FOR FOUNDATION BID | 08-29-14 |

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AAI ARCHITECTS, P.C.

PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
**TYPICAL FOUNDATION
DETAILS 6**

| | |
|---------------------|--------------------------|
| SEAL & SIGNATURE | DATE: 07/25/14 |
| | PROJECT No: 1302510 |
| | DRAWN: CADD REV: |
| | CHK: CL |
| | SCALE: N.T.S. |
| | DWG No: FO-205.00 |
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AAI ARCHITECTS, P.C.

PROJECT:
**250 SOUTH STREET
NEW YORK, NY**

DRAWING TITLE:
**TYPICAL FOUNDATION
DETAILS 6**

| | |
|---------------------|--------------------------|
| SEAL & SIGNATURE | DATE: 07/25/14 |
| | PROJECT No: 1302510 |
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| | CHK: CL |
| | SCALE: N.T.S. |
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Date: 10/08/2014
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