

REVISIONS	DATE	DESCRIPTION

SEAL:

A MULTI-USE BUILDING FOR
THE HINES PROPERTY IN
HANCECK COUNTY
MISSISSIPPI

1084 JOHN AVACKER ROAD
POPLARVILLE, MS 39470

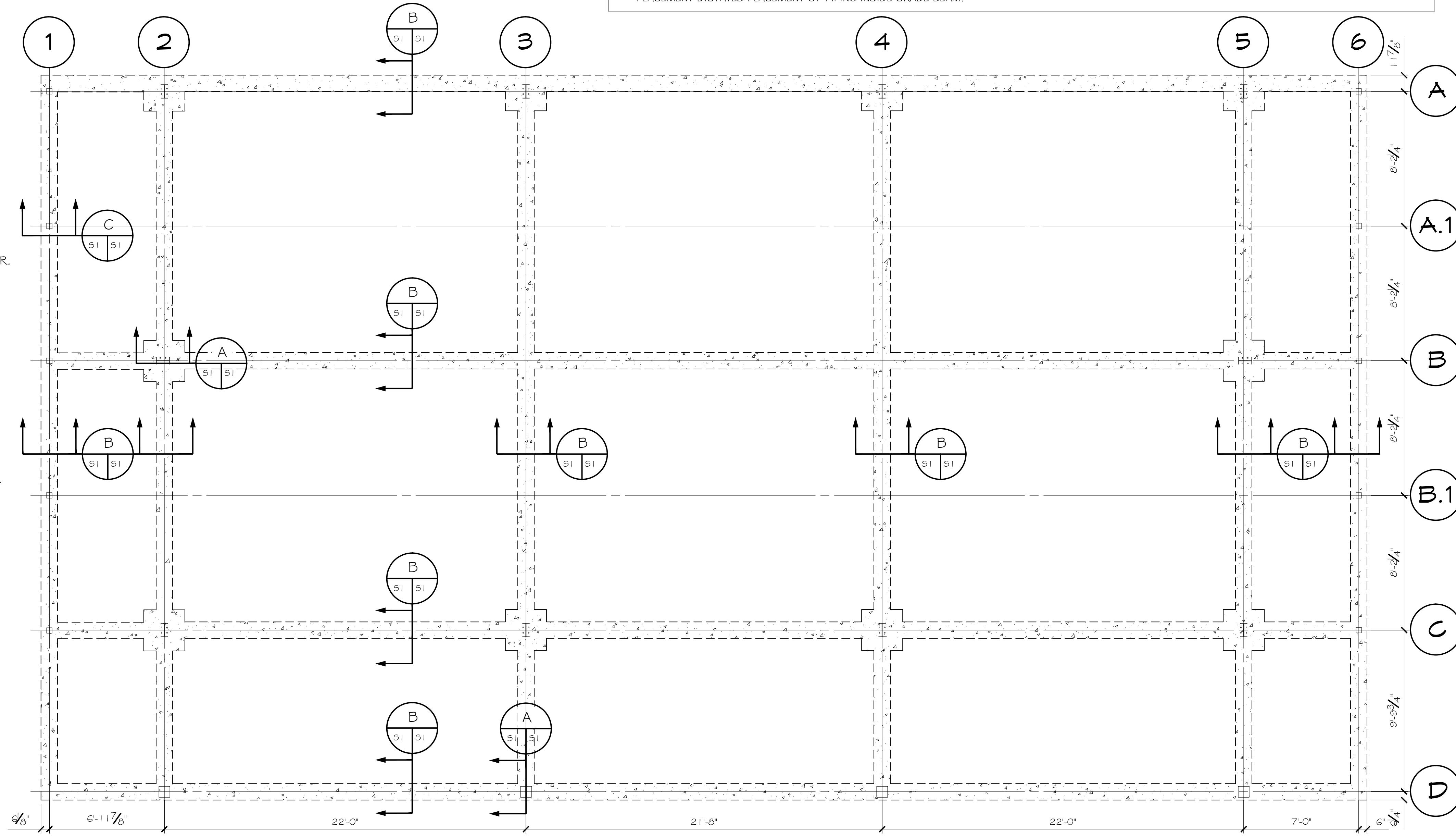
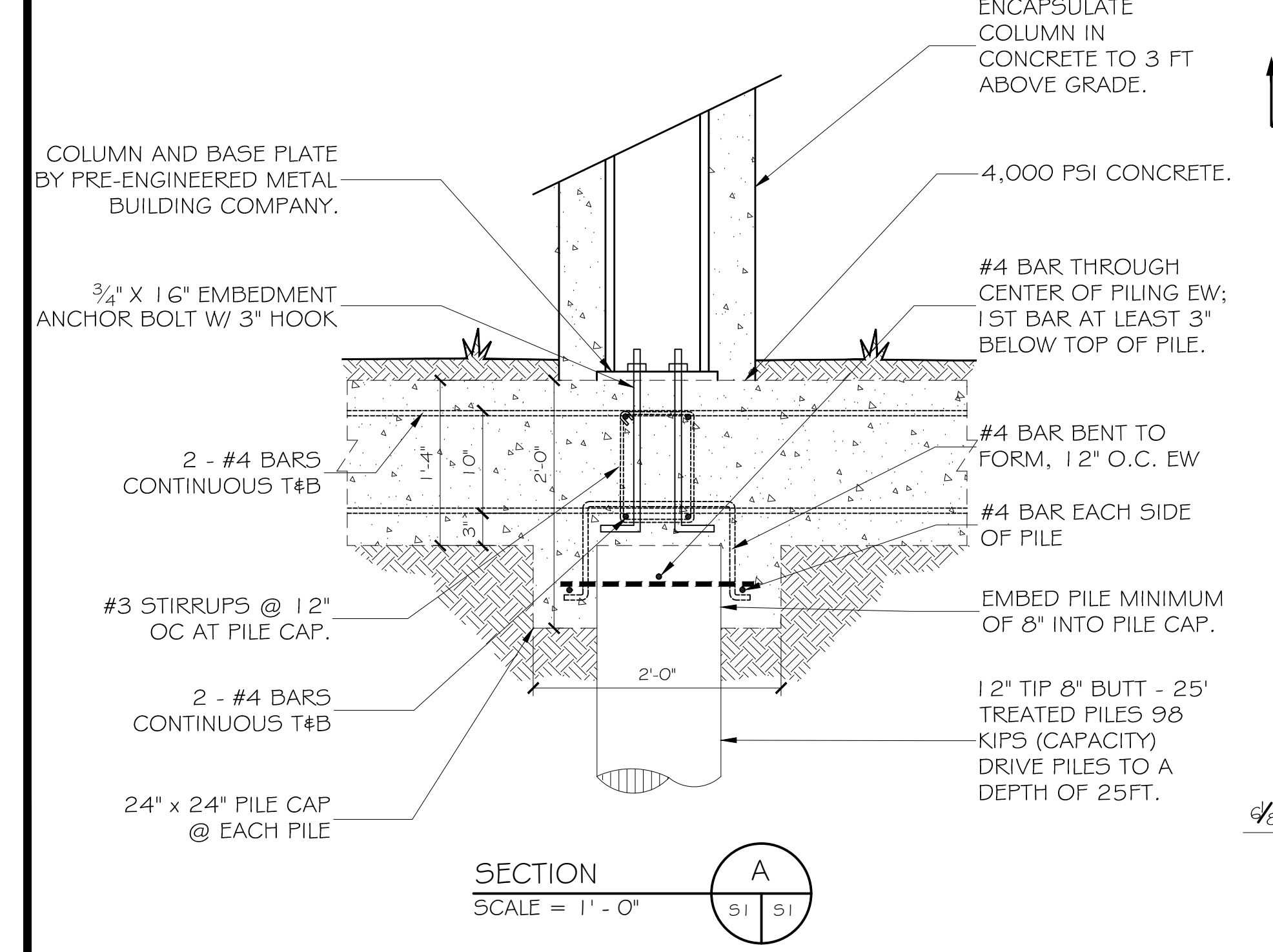
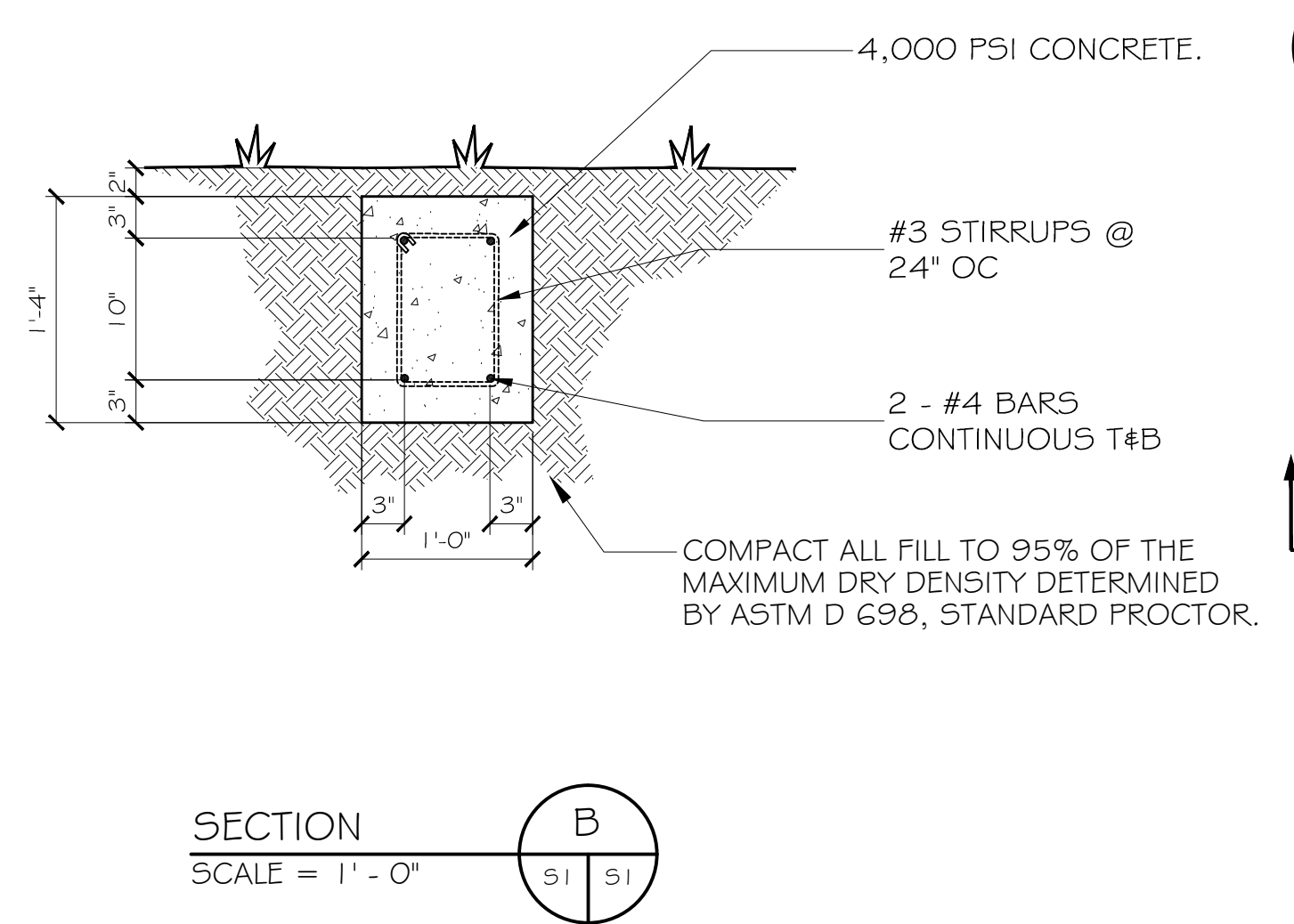
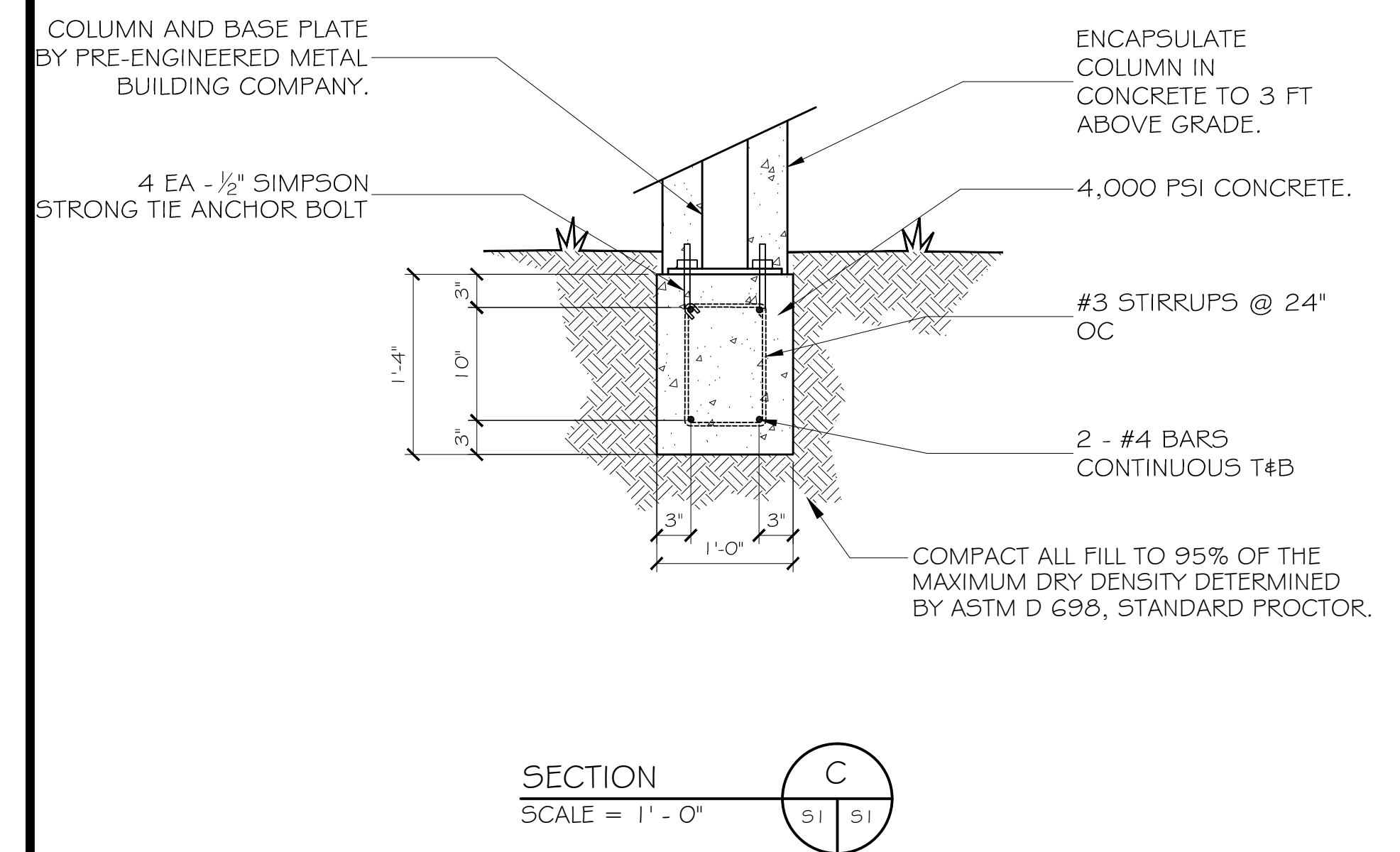
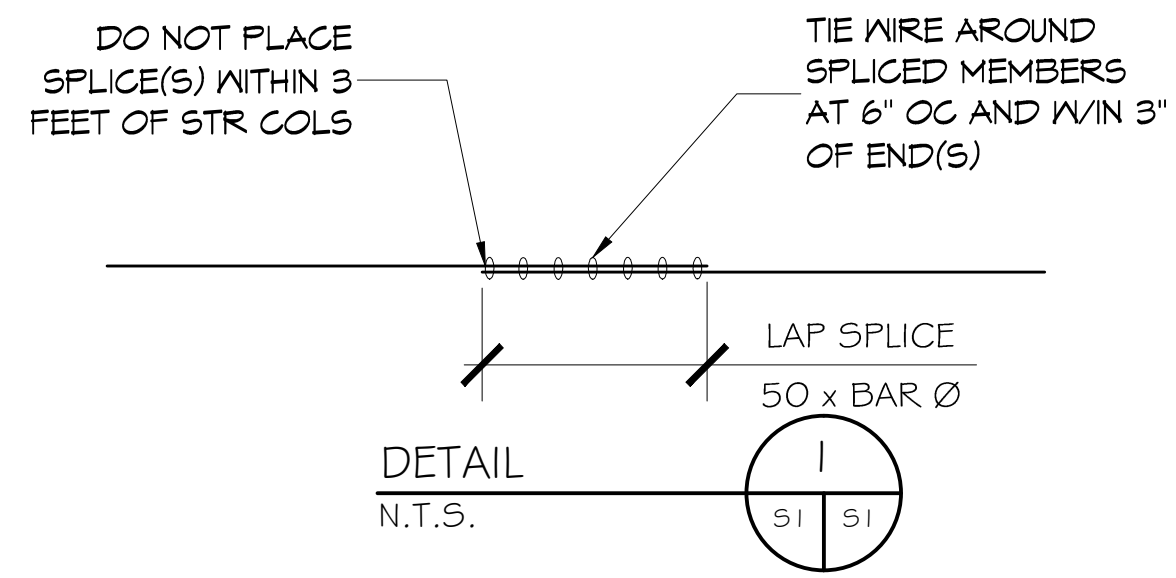
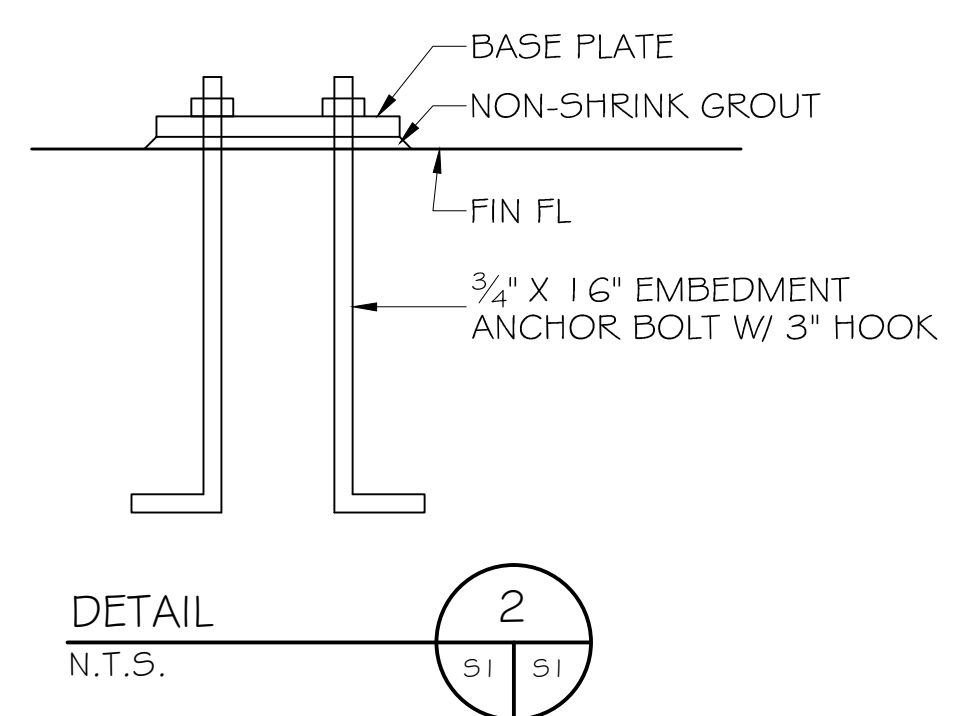
JOB No: 221B DATE: 12-23-14
DRAWN BY: JTL CHECKED BY: GKD

SHEET TITLE:
PLUMBING PLAN
& RISER

DRAWING NUMBER:
S1

SHEET No: 1 of 1

- SITE PREP NOTES**
- REMOVE EXISTING ESCARPMENT TO A LEVEL AREA WHERE FOUNDATION IS TO BE CONSTRUCTED. REMOVE ANY OBJECTIONABLE MATERIALS AND FILL WITH STRUCTURAL FILL AS DEFINED IN SOILS ANALYSIS. PROOF-ROLL AREA WITH A RUBBER Tired VEHICLE WEIGHING 20 TONS.
 - PROVIDE AND MAINTAIN IMMEDIATE SITE DRAINAGE BEFORE, DURING AND AFTER CONSTRUCTION. PROVIDE GRADING, SWALES AND SUMP PUMPS AS MAY BE REQUIRED TO IMMEDIATELY DRAIN ALL RAIN WATER FROM THE CONSTRUCTION AREA. GOOD SURFACE DRAINAGE WITH POSITIVE COLLECTION AND RUNOFF AND SLOPES AWAY FROM THE BUILDING SHOULD BE ASSURED. GRADE BEAMS AND SLAB MUST HAVE DRY COMPACTED SOIL AT TIME OF POURING CONCRETE.
 - MONITORING OF PROOF-ROLLING, FILL SELECTION, PLACEMENT AND COMPACTION OF FILL SITE PREPARATION SHALL BE FOLLOWED AS LISTED IN THE GEO-TECHNICAL INVESTIGATION REPORT BY SOILTECH CONSULTANTS DATED OCTOBER 3, 2014. SOILTECH SHALL BE RETAINED TO PROVIDE OBSERVATION AND TESTING OF CONSTRUCTION ACTIVITIES INVOLVED IN THE FOUNDATIONS, PAVEMENTS, AND RELATED ACTIVITIES OF THIS PROJECT.
 - ALL TREES WITHIN CLOSE PROXIMITY SHALL BE REMOVED TO PREVENT THE ROOTS FROM EXTENDING UNDER THE SLAB.
- PILING NOTES**
- PILES SHALL BE TREATED TIMBER ASTM D25 QUALITY, CLASS B PILE, 25' LENGTH WITH 1 2" BUTT AND NORMAL TAPER TO TIP.
 - TOTAL OF 14 PILINGS.
 - PILE CAPACITY SHALL BE MINIMUM OF 72 KIPS EACH PILE WITH A FACTOR OF SAFETY = 3, DRIVEN TO A DEPTH OF 25 FT. PRE-DRILLING MAY BE REQUIRED. IF PRE-DRILLING IS PERFORMED, PRE-DRILL TO A MAXIMUM OF 15 FT. USING A WET ROTARY DRILL WITH A BIT NO LARGER THAN 8".
 - USE DROP HAMMER OR SINGLE ACTING AIR HAMMER DELIVERING 7,500 FT-LBS OF ENERGY PER BLOW, RAM WEIGHT OF DROP HAMMER SHALL NOT EXCEED 2,500 TO 3,000 LBS AND THE DROP SHOULD NOT EXCEED 3 FT. AT A MINIMUM OF 25 BLOWS PER FOOT. IF THE DROP EXCEEDS 3 FT CONTACT ENGINEER FOR INSTRUCTIONS.
 - TREAT ALL FIELD CUTS, HOLES OR OTHER PENETRATIONS INTO PILING IN ACCORDANCE WITH AWPA M4, FIELD APPLIED WOOD PRESERVATIVE.
 - MARK EACH PILE WITH HORIZONTAL LINES AT 12 INCH INTERVALS, LABEL THE DISTANCE FROM PILE TIP AT 60 INCH INTERVALS.
 - CONTRACTOR SHALL MAINTAIN ACCURATE DRIVING RECORDS FOR EACH PILE AND ATTESTED TO BY CONTRACTOR. CONTRACTOR SHALL SUBMIT NOTARIZED AFFIDAVIT TO THE ENGINEER UPON COMPLETION VERIFYING THAT ALL PILES HAVE BEEN DRIVEN PER PLANS AND A COPY OF THE DRIVING RECORDS.
- FOUNDATION NOTES**
- THE CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI-318.
 - ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
 - ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT.
 - THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, BRICK LEDGES, DIMENSIONS AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME.
 - GRADE BEAM SIZES MAY VARY BY -5%, +20%.
 - ALL SUB GRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 6" LIFTS.
 - ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE SLAB TO PREVENT SATURATION OF THE SUB-BASE.
 - PROVIDE AND MAINTAIN IMMEDIATE SITE DRAINAGE BEFORE, DURING, AND AFTER CONSTRUCTION. PROVIDE GRADING, SWELLS, AND SUMP PUMPS AS MAY BE REQUIRED TO IMMEDIATELY DRAIN ALL RAINWATER FROM THE CONSTRUCTION AREA. FOOTING EXCAVATIONS SHALL BE OBSERVED AND CONCRETE PLACED AS QUICKLY AS POSSIBLE TO AVOID EXPOSURE OF THE FOOTING BOTTOMS TO WETTING AND DRYING, STANDING WATER SHALL NOT BE ALLOWED TO SOAK INTO THE FOOTINGS. SURFACE RUNOFF WATER SHALL BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND PRIOR OR AFTER CONCRETE PLACEMENT. IF IT IS REQUIRED THAT A FOOTING EXCAVATIONS BE LEFT OPEN FOR MORE THAN ONE DAY, THEY SHOULD BE PROTECTED TO REDUCE EVAPORATION OR ENTRY OF MOISTURE.
 - ALL ELECTRICAL, MECHANICAL AND PLUMBING PIPES SHALL BE PLACED BELOW GRADE BEAMS AND SHALL NOT PENETRATE GRADE BEAMS UNLESS FIXTURE PLACEMENT DICTATES PLACEMENT OF PIPING INSIDE GRADE BEAM.



1 FOUNDATION PLAN
SCALE = 1/4" = 1'-0"