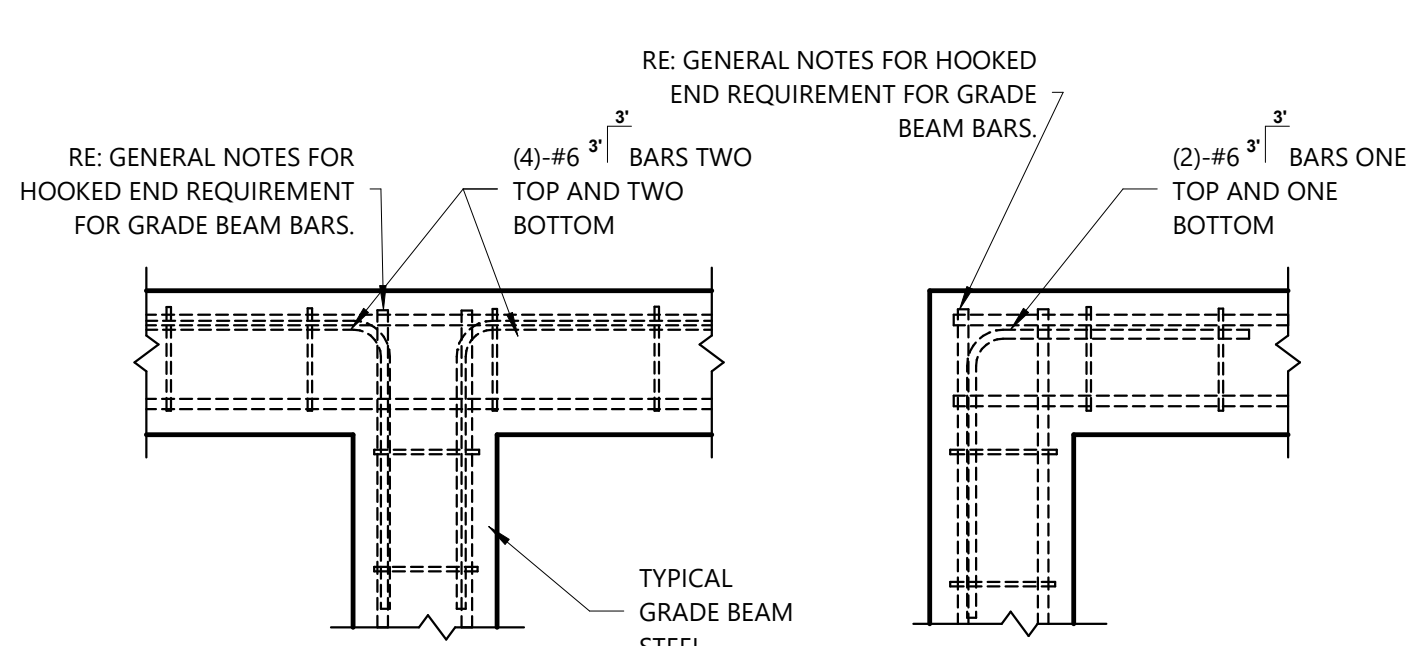
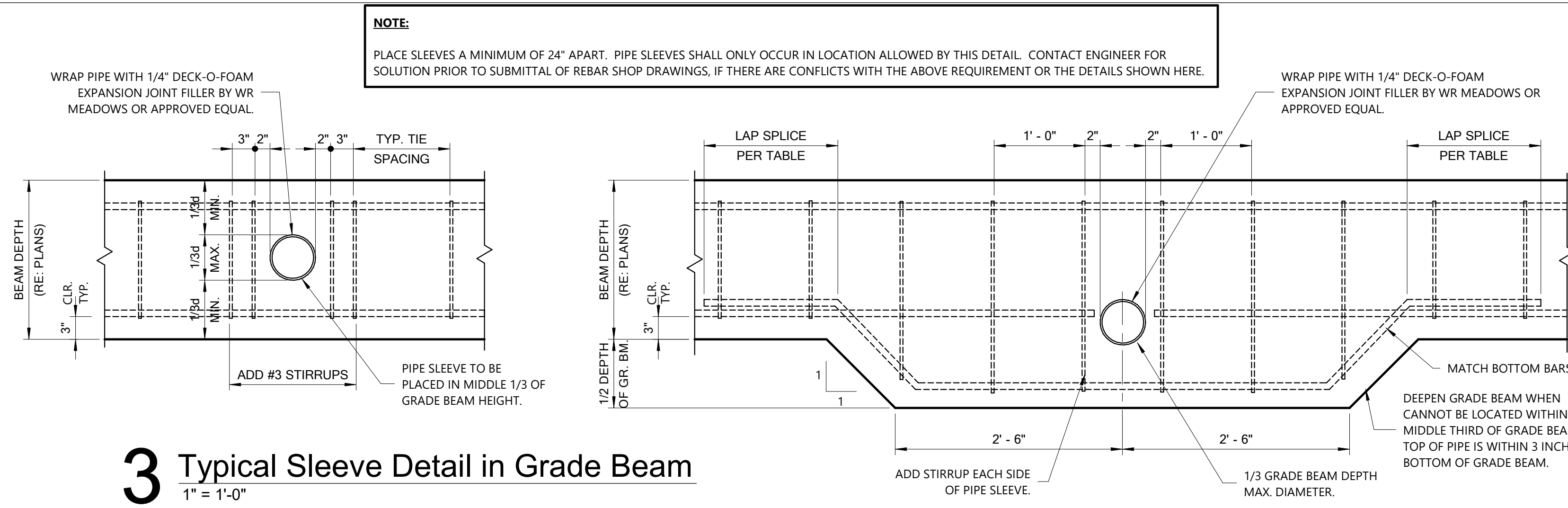


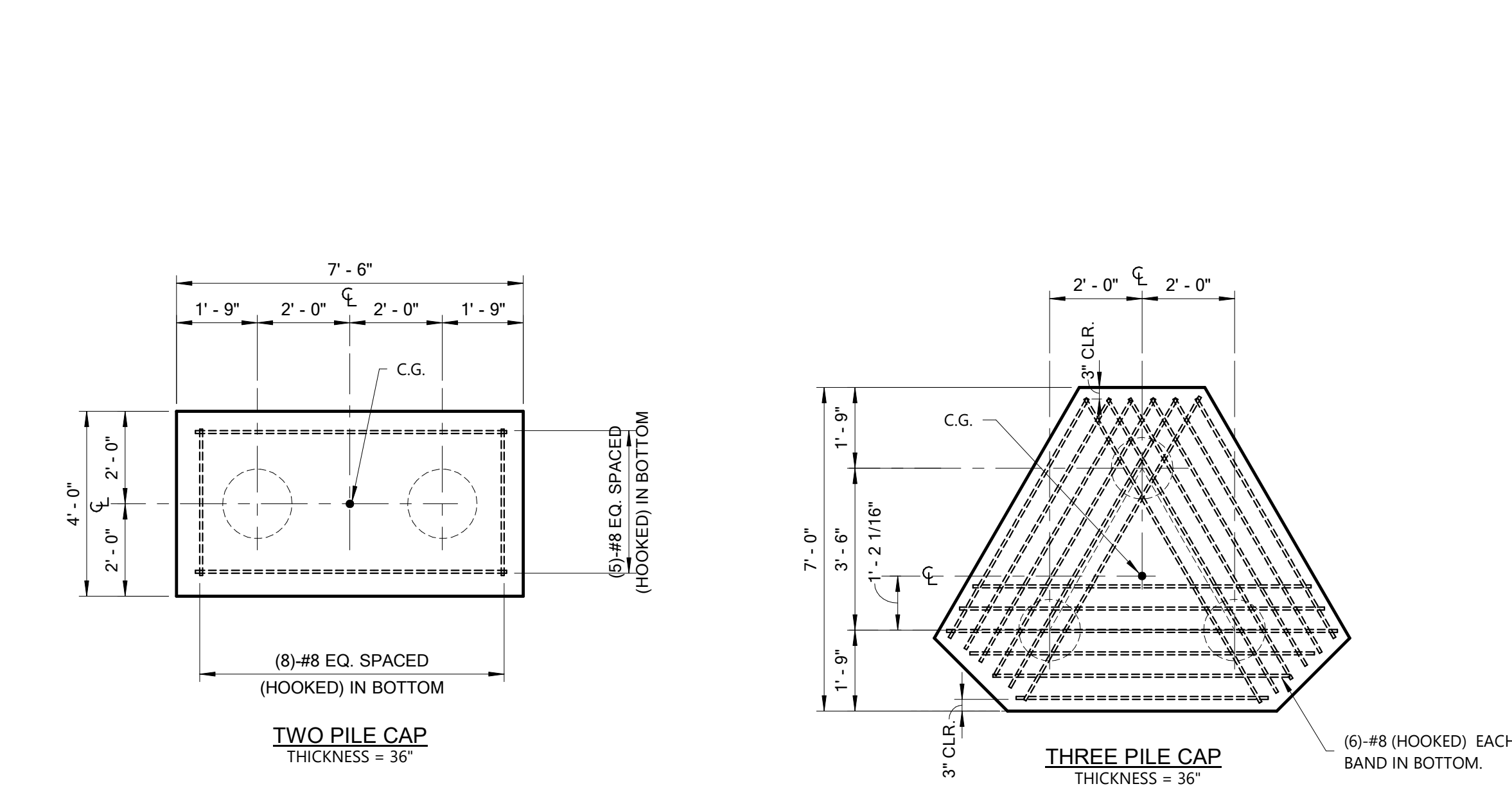
1 Grade Beam Construction Joint
3/4" = 1'-0"



2 Grade Beam Intersection Details
3/4" = 1'-0"

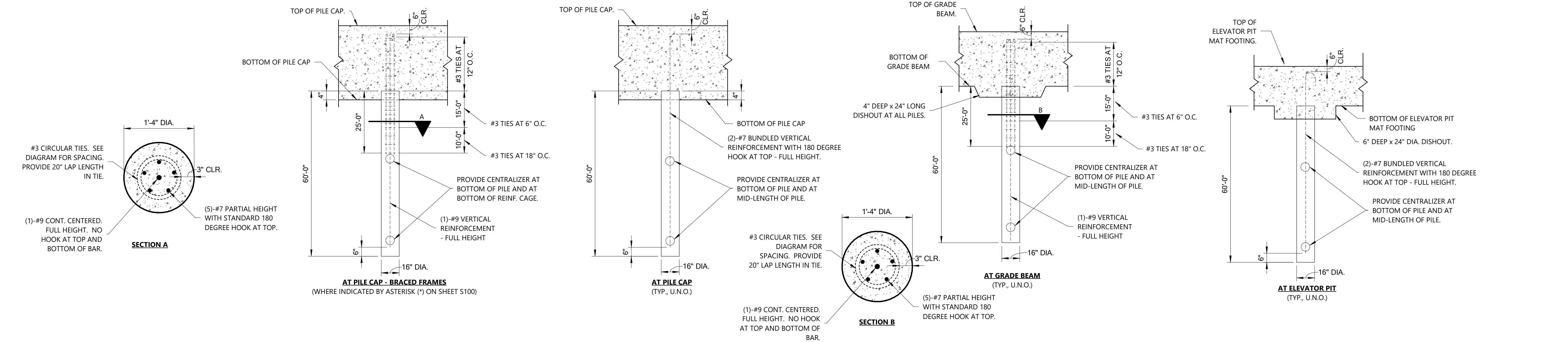
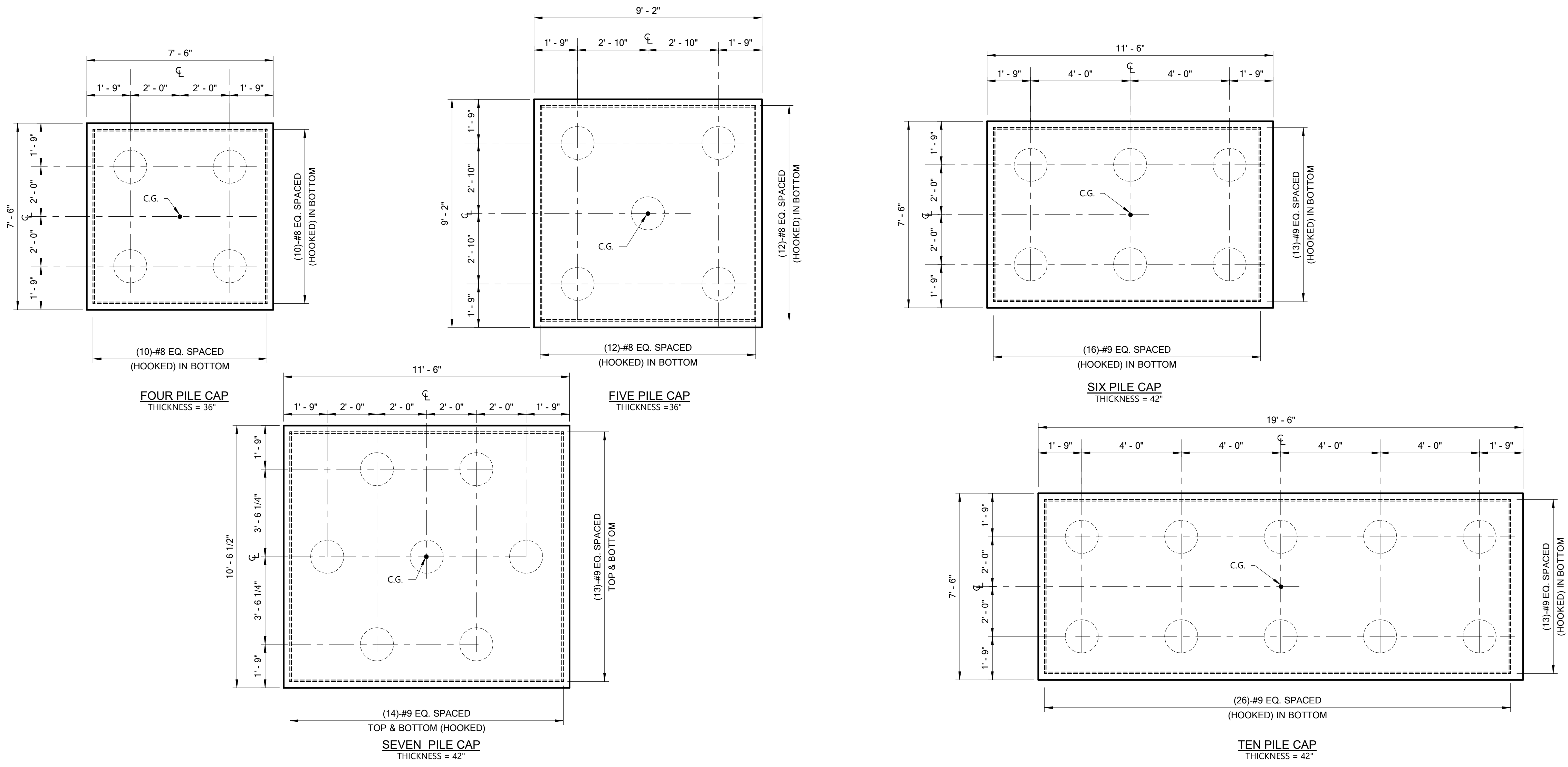


3 Typical Sleeve Detail in Grade Beam
1" = 1'-0"



- CAP NOTES:**
- PROVIDE STANDARD 90 DEGREE HOOKED ENDS ON ALL CAP REINFORCEMENT.
 - ALL PILE CAPS SHALL HAVE A BOTTOM LAYER OF REINFORCEMENT AS SHOWN IN THIS DETAIL, LOCATED 7" CLEAR FROM THE BOTTOM OF THE CAP.
 - ALL PILE CAPS SUPPORTING BRACED FRAME COLUMNS INDICATED BY AN (*) SHALL HAVE A TOP LAYER OF REINFORCEMENT - MATCHING BOTTOM BARS AS SHOWN IN THIS DETAIL, LOCATED 3" CLEAR FROM THE TOP OF THE CAP.
 - ALL PILE CAPS NOT SUPPORTING BRACED FRAME COLUMNS SHALL HAVE A TOP LAYER OF REINFORCEMENT WITH #4 BARS OF THE SAME NUMBER AND SPACING AS THE BOTTOM BARS. LOCATED 3" CLEAR FROM THE TOP OF THE CAP.
 - THERE SHALL BE NO MEP OR OTHER PENETRATIONS OF CONCRETE PILE CAPS.
 - REBAR SUPPORTS SHALL NOT BE PLACED DIRECTLY OVER PILES.

4 Auger Cast-In-Place Pile Cap Details
3/8" = 1'-0"



5 Auger Cast-In-Place Pile Profile
1" = 1'-0"

AUGER CAST-IN-PLACE PILE NOTES

PROVIDE PROBE PILES AT LOCATIONS INDICATED ON THE PLANS. INSTALL USING SAME TECHNIQUES AND EQUIPMENT AS PRODUCTION PILES. PROBE PILES SHALL BE INSTALLED TO 62 FEET DEPTH BELOW EXISTING GRADE AND REINFORCED WITH (1)-#9 CONT. VERTICAL BAR CENTERED IN PILE WITH 6" CLR. AT BOTTOM AND 2" CLR. AT TOP. SOIL SHALL BE REMOVED FROM AROUND THE TOP 2 FEET OF THE PROBE PILE SELECTED FOR TESTING. ALL PROBE PILES SHALL HAVE THERMAL INTEGRITY PROFILING.

A STATIC LOAD TEST WILL BE PERFORMED ON ONE OF THE PROBE PILES (SELECTED BY THE DESIGN TEAM) IN ACCORDANCE WITH ASTM D1143. SELECTION OF PROBE PILE TO BE TESTED SHALL OCCUR WITHIN 24 HOURS OF RECEIVING PROBE PILE INSTALLATION LOGS AND THERMAL INTEGRITY PROFILING RESULTS. TESTING SHALL BE PERFORMED A MINIMUM OF FOURTEEN (14) DAYS AFTER PROBE PILE INSTALLATION. SUBMIT STATIC TEST PILE RESULTS TO ARCHITECT/ENGINEER FOR REVIEW. PRODUCTION PILES MAY NOT BE DRIVEN UNTIL THREE (3) DAYS AFTER RECEIPT OF CERTIFIED TEST RESULTS BY ARCHITECT/ENGINEER. PENDING VERIFICATION OF DESIGN CAPACITY. DO NOT FABRICATE PRODUCTION PILE REINFORCEMENT UNTIL PILE CAPACITY HAS BEEN VERIFIED. SEE SPECIFICATIONS FOR MORE INFORMATION.

CONTRACTOR SHALL EXERCISE EXTREME CARE IN EXCAVATING AROUND AND IN CHIPPING DOWN AUGER CAST PILES TO PROPER ELEVATION SO AS TO NOT DAMAGE REBAR IN PILE.

PILE DOWNWARD (COMPRESSION) ALLOWABLE CAPACITY = 80 KIPS (FACTOR OF SAFETY = 2.0).

PILE UPWARD (TENSION) ALLOWABLE CAPACITY = 50 KIPS (FACTOR OF SAFETY = 2.0).