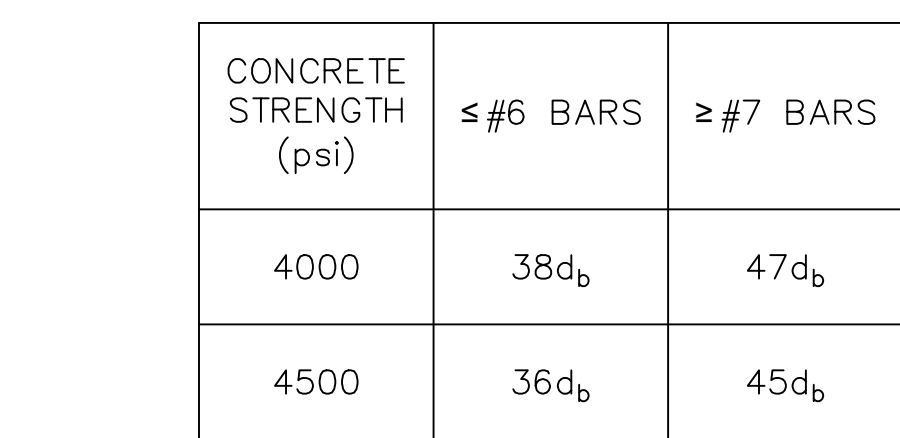
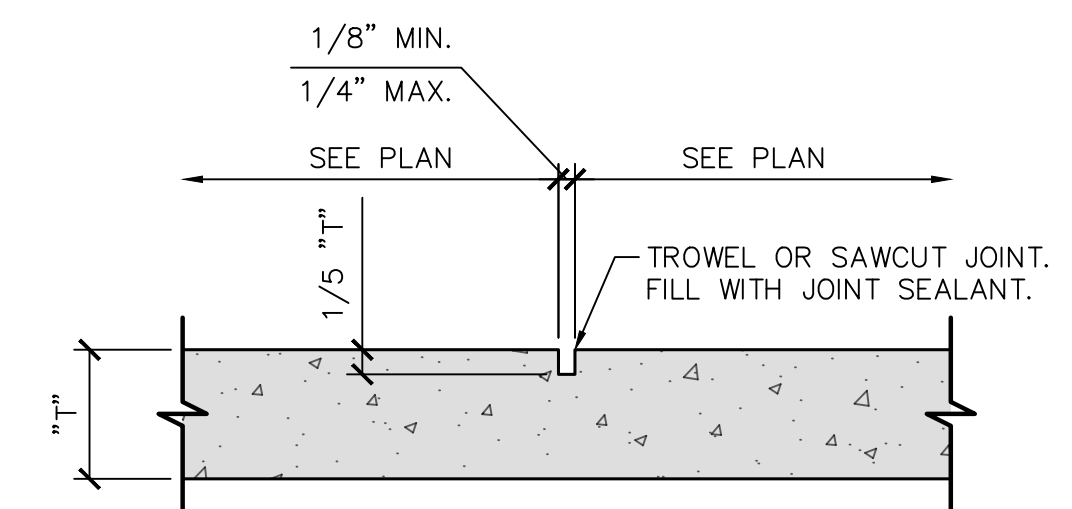


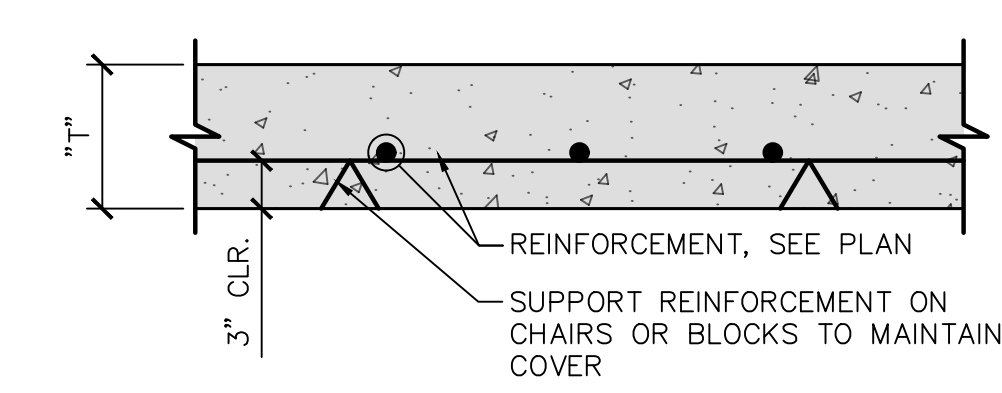
2 MISC EQUIPMENT PAD FOUNDATION - ANCHORAGE PLAN
S-501 SCALE: NTS



4 PENETRATION REINFORCEMENT - TYPICAL
S-501 SCALE: NTS



5 SLAB CONTROL JOINT
S-501 SCALE: NTS



6 TYPICAL SLAB REINFORCEMENT
S-501 SCALE: NTS

KEY NOTES

1. SEE STRUCTURAL NOTES ON SHEET S-001.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH FINAL EQUIPMENT SUBMITTALS AND INSTALLATION MANUALS. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
3. CRITICAL ELECTRICAL EQUIPMENT SHALL HAVE A MINIMUM OF 1'-0" FREEBOARD ABOVE THE 100-YR FLOOD ELEVATION. THE CONTRACTOR SHALL VERIFY THE TOP OF PILE ELEVATION WITH CIVIL PLANS AND FINAL GRADING CONDITIONS.
4. ALL ANCHOR DIAMETERS SHALL BE VERIFIED WITH MANUFACTURER SPECIFICATIONS.

- (1) DIMENSIONS SHOWN FOR EQUIPMENT AND PENETRATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED WITH FINAL EQUIPMENT SUBMITTALS AND MANUFACTURER'S INSTALLATION MANUAL. ADJUST DIMENSIONS AS REQUIRED BASED ON FINAL EQUIPMENT DIMENSIONS. MINIMUM DISTANCE FROM CONDUIT OPENING TO ANCHOR BOLTS SHALL BE 6".
- (2) PREPARE SUBGRADE PER GEOTECHNICAL ENGINEER RECOMMENDATIONS WHICH INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
 - 2.1. PRIOR TO THE INSTALLATION OF SHALLOW CONCRETE FOUNDATIONS, THE SUBGRADE BELOW EACH SLAB SHOULD BE OVER-EXCAVATED BY AT LEAST 1/2 INCHES. EXPOSED MATERIAL SHOULD BE LINED WITH A GEOTEXTILE SEPARATION FABRIC, AND THE SUBGRADE SHOULD BE BROUGHT BACK UP TO THE DESIGN FOUNDATION ELEVATION WITH COMPACTED STRUCTURAL FILL MEETING THE SPECIFICATIONS OF THE GEOTECHNICAL REPORT. NATIVE MATERIAL BENEATH THE SEPARATION FABRIC SHOULD BE INSPECTED FOR UNSATISFACTORY CONDITIONS SUCH AS STANDING WATER, FROZEN SOIL, ORGANICS, PROTRUDING COBBLES OR BOULDERS, OR DELETERIOUS MATERIALS. SHOULD ANY UNSATISFACTORY CONDITIONS EXIST WITHIN THE NATIVE SUBGRADE, THE EXCAVATION SHOULD BE UNDERCUT AN ADDITIONAL 6 INCHES (18 TOTAL INCHES BENEATH PROPOSED FOUNDATION DEPTH) PRIOR TO THE PLACEMENT OF THE GEOTEXTILE SEPARATION FABRIC.

SLAB PENETRATION-

ADD'L BARS, EQUAL TO THE
NUMBER OF BARS INTERRUPTED
BY THE OPENINGS, AT EACH
EDGE. EXTEND BARS PER
LENGTH DICTATED IN TABLE.—

DIAGONAL BAR AT EACH
CORNER. EXTEND BARS PER
LENGTH DICTATED IN TABLE.

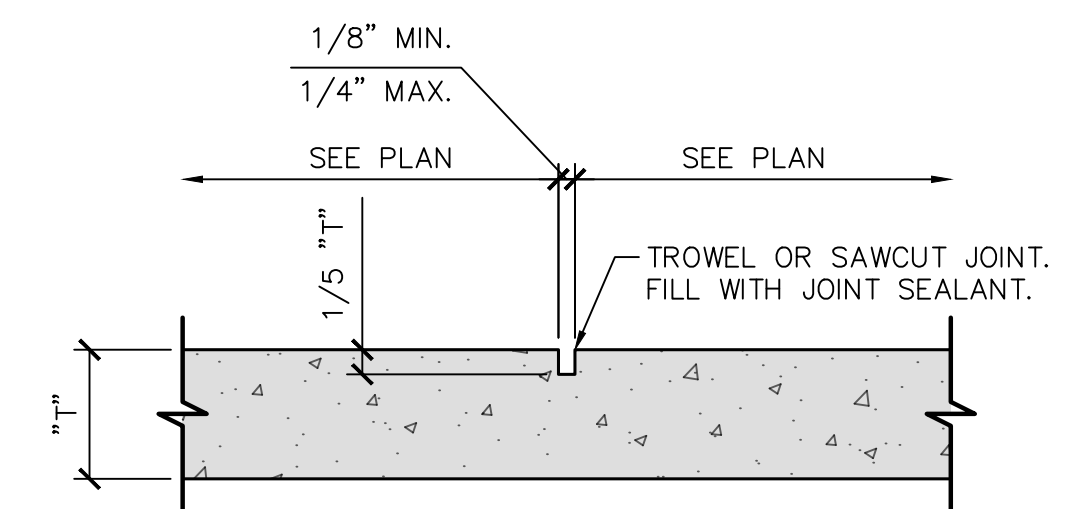
NOTE: PROVIDE 1-1/2" MINIMUM COVER FOR ALL REINFORCEMENT TO THE PENETRATION OPENINGS.

NOTE: OPENINGS SHALL BE A MINIMUM OF 6" FROM ALL CONCRETE EDGES. WHEN OPENINGS ARE CLOSER THAN 24" FROM CONCRETE EDGE, EXTEND ADD'L BARS TO WITHIN 2" OF CONCRETE EDGE AND BEND THE REMAINING LENGTH TO RUN PARALLEL WITH CONCRETE EDGE.

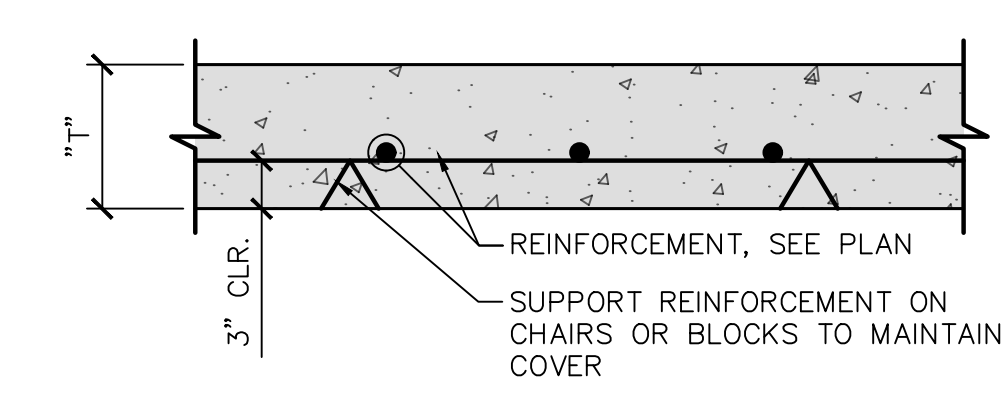
CONCRETE STRENGTH (psi)	≤ #6 BARS	≥ #7 BARS
4000	38d _b	47d _b
4500	36d _b	45d _b

$$d_b = \text{BAR DIAMETER}$$

4 PENETRATION REINFORCEMENT - TYPICAL
S-501 SCALE: NTS



5 SLAB CONTROL JOINT
S-501 SCALE: NTS



6 TYPICAL SLAB REINFORCEMENT
S-501 SCALE: NTS