

SLAB-ON-GRADE:

1. INSTALL VAPOR BARRIER IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS IMMEDIATELY BELOW SLAB. PROPERLY TAPE ALL SEAMS PER MANUFACTURER'S RECOMMENDATIONS AND REMOVE ANY REMOVE STANDING WATER ON THE SURFACE OF VAPOR BARRIER PRIOR TO CONCRETE PLACEMENT.
2. PROVIDE (2) #5 x 5'-0" LONG BAR IN SLAB AT RE-ENTRANT CORNERS, TYPICAL. INCLUDING RE-ENTRANT CORNERS AROUND THE PERIMETER OF THE BUILDINGS, FLOOR RECESSES AND OPENINGS.
3. PROVIDE CONTROL JOINTS ALONG COLUMN LINES AND AT 15'-0" ON CENTER, EACH WAY, MAXIMUM, UNLESS NOTED OTHERWISE. ALSO, PROVIDE ADDITIONAL CONTROL JOINTS AT RE-ENTRANT CORNERS. SEE TYPICAL DETAILS.
4. JOINT FILLER SHALL BE USED ON ALL JOINTS THAT DO NOT GET COVERED BY AN ARCHITECTURAL FLOOR COVERING. ACCEPTABLE PRODUCTS INCLUDE EDGE PRO 90. STRICTLY FOLLOW MANUFACTURER-WRITTEN RECOMMENDATIONS FOR INSTALLATION. DELAY JOINT FILLING AS LONG AS PRACTICAL TO ALLOW FOR MAXIMUM CONCRETE SHRINKAGE.
5. DO NOT PLACE HEAVY EQUIPMENT OR CONSTRUCTION STORAGE LOADS ON THE SLAB UNLESS CALCULATIONS PREPARED BY A STRUCTURAL ENGINEER LICENSED TO PRACTICE IN THE STATE IN WHICH THE PROJECT IS LOCATED HAVE BEEN SUBMITTED, VERIFYING THE ADEQUACY OF THE SLAB.
6. TESTING LAB WILL TEST ALL PLACEMENTS IN ACCORDANCE WITH ASTM E 1155 TO CONFIRM F-NUMBERS AND ADEQUACY OF FINISHING PROCEDURES.
7. THE PERFORMANCE OF THE SLAB IS HIGHLY DEPENDENT ON HOW WELL THE CONTRACTOR FOLLOWS THE BUILDING PAD PREPARATION RECOMMENDATIONS AS SPECIFIED IN THE CONTRACT DOCUMENTS AND EARTHWORK SECTION OF THE GENERAL NOTES. THE CONTRACTOR AND OWNER MAY RETAIN A GEOTECHNICAL ENGINEER, IF DESIRED, TO PROVIDE CONSULTATION REGARDING CONSTRUCTION METHODS, PERFORMANCE AND RISKS INVOLVED IN THE CONSTRUCTION OF A GRADE SUPPORTED SLAB. ANY RECOMMENDATIONS THAT IMPACT THE STRUCTURAL DESIGN SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.
8. SLAB REINFORCEMENT SHALL BE CHAIRED BY SOIL SUPPORTED SLAB BOLSTERS.

DRAWINGS ISSUED W/O GEOTECHNICAL REPORT:

1. A GEOTECHNICAL REPORT WAS NOT AVAILABLE NOR PRODUCED BY THE OWNER FOR OUR USE ON THIS PROJECT. AS A RESULT, FOR THE FOUNDATION PORTIONS, WE PERFORMED OUR ANALYSIS UTILIZING THE PRESUMPTIVE LOAD-BEARING VALUES OF SOILS SECTION OF THE IBC FOR DETERMINATION OF THE ALLOWABLE VERTICAL AND LATERAL LOADING CAPACITIES. SEE IBC 2024 SECTION 1806 PRESUMPTIVE LOAD-BEARING VALUES OF SOIL AND ASSOCIATE TABLE 1806.2 PRESUMPTIVE LOAD-BEARING VALUES. CLASS 5 SOILS HAVE BEEN ASSUMED FOR USE IN DESIGN OF THIS PROJECT.

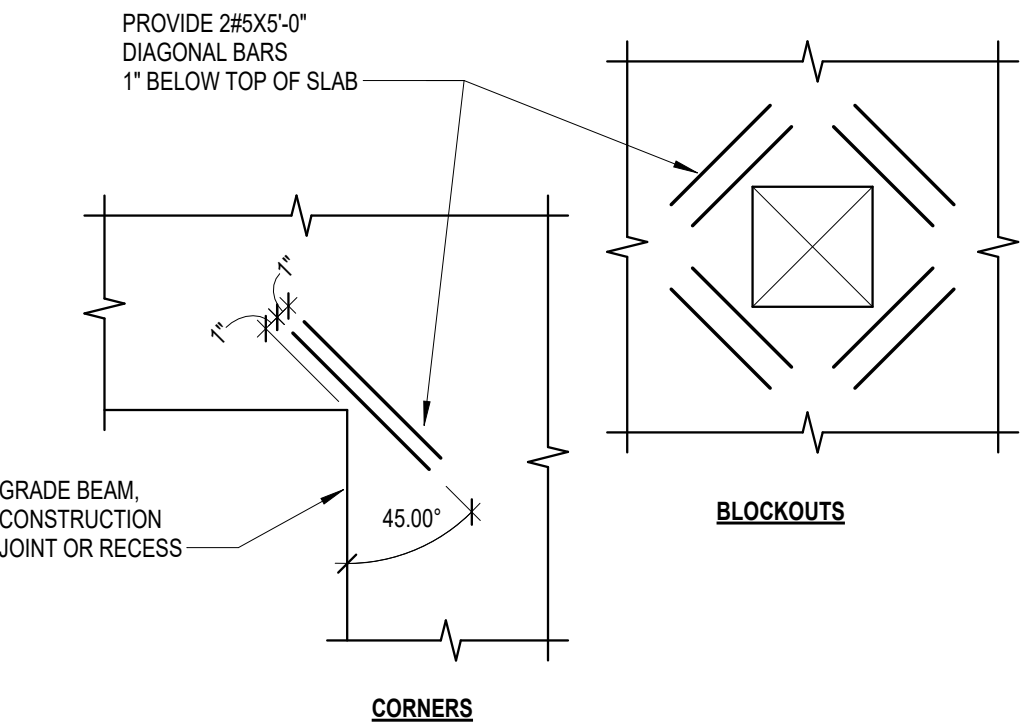
TABLE BELOW TAKEN FROM IBC 2024 SECTION 1806
PRESUMPTIVE LOAD-BERING VALUES

CLASS OF MATERIALS	VERTICAL FOUNDATION PRESSURE	LATERAL BEARING PRESSURE (PSF/FT BELOW NATURAL GAS)	LATERAL SLIDING RESISTANCE	
			COEFFICIENT OF FRICTION	COHESION (PSF)
4. SANDY, SILTY SAND, CLAYEY SAND, SILTY GRAVEL, AND CLAYEY GRAVEL (SW, SP, SM, SC, GM AND GC)	2,000	150	0.25	-

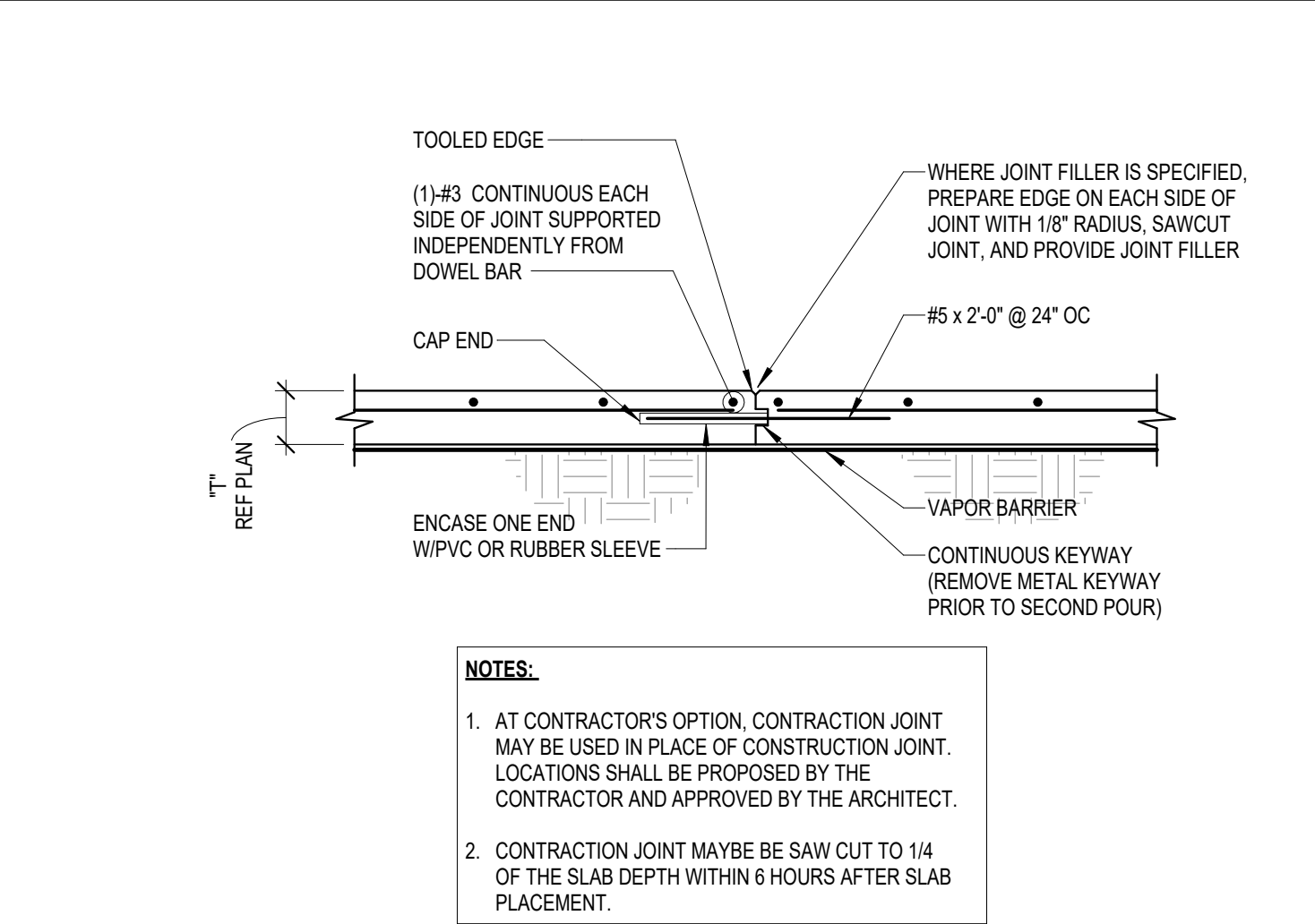
SUBGRADE PREPARATION:

1. THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH SITE AND SUBGRADE CONDITIONS. ALL SUBGRADE PREPARATION, FILL, FILL PLACEMENT, AND FOUNDATION CONSTRUCTION SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE STRUCTURAL DOCUMENTS. THE CONTRACTOR SHALL VERIFY THAT SUBSURFACE CONDITIONS ARE CONSISTENT WITH THE DESIGN ASSUMPTIONS. IF UNSUITABLE MATERIALS OR CONDITIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD PRIOR TO PROCEEDING WITH FOUNDATION CONSTRUCTION.
2. SITE PREPARATION FOR THE BUILDING PAD SHALL CONSIST OF THE REMOVAL OF EXISTING PAVEMENT, TOPSOIL, VEGETATION, ORGANIC MATTER, AND OTHER DEBRIS/UNSUITABLE SURFACE MATERIAL AS NECESSARY TO PROVIDE THE REQUIRED AMOUNT OF FILL UNDER THE BUILDING AND EXTENDING OUT BEYOND THE PERIMETER OF THE BUILDING AS SHOWN IN THE SITE PREPARATION DETAIL. PROPER SITE DRAINAGE SHOULD BE MAINTAINED DURING CONSTRUCTION SO THAT PONDING OF SURFACE RUNOFF DOES NOT OCCUR AND CAUSE CONSTRUCTION DELAYS AND/OR INHIBIT SITE ACCESS.
3. THE SUBGRADE SHALL BE PROOFROLLED WITH A HEAVY, RUBBER-TIRED VEHICLE (STATIC WEIGHT OF AT LEAST 20 TONS AND WITH TIRE PRESSURES OF AT LEAST 90 PSI). THE CONTRACTOR SHALL MAKE AT LEAST TWO COMPLETE PASSES OVER THE AREA WITH THE SECOND PASS PERPENDICULAR TO THE FIRST PASS. AREAS OF THE SUBGRADE THAT ARE OBSERVED TO BE SOFT OR WEAK SHALL BE OVEREXCAVATED AND REPLACED WITH PROPERLY COMPACTED SOILS EXHIBITING SIMILAR CLASSIFICATION, MOISTURE CONTENT, AND DENSITY AS THE ADJACENT IN-SITU SOILS. PROOFROLLING SHOULD BE PERFORMED UNDER THE DIRECT OBSERVATION OF THE GEOTECHNICAL ENGINEER OR HIS/HER REPRESENTATIVE.
4. SUBGRADE SHALL BE SCARIFIED AND MOISTURE CONDITIONED TO A DEPTH OF SIX (6) INCHES AND THEN RECOMPACTED TO BETWEEN 95 AND 100 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR DENSITY TEST (ASTM D698). THE MOISTURE CONTENT SHALL BE BETWEEN OPTIMUM AND +4 PERCENT OF THE OPTIMUM MOISTURE CONTENT. PROVIDE A MINIMUM OF FOUR (4) FIELD DENSITY TESTS PER LIFT OR ONE (1) FOR EVERY 2,500 SQUARE FEET WHICHEVER IS GREATER. IF WET WEATHER CONDITIONS ARE ENCOUNTERED AND WILL NOT ALLOW FOR ADEQUATE SUBGRADE COMPACTION EFFORTS, THEN THE SUBGRADE SHALL BE LIME STABILIZED WITH 6 TO 8 PERCENT BY VOLUME HYDRATED LIME IN ACCORDANCE WITH THE LIME ASSOCIATION RECOMMENDATIONS. THE OPTIMUM LIME CONTENT SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION BY A LIME SERIES TEST TO DETERMINE THE REQUIRED OPTIMUM LIME CONTENT NECESSARY TO ACHIEVE A pH OF 12.4 WHILE ACHIEVING A PLASTICITY INDEX OF LESS THAN 20. PRIOR TO PROCEEDING WITH THE SELECT FILL PLACEMENT, THE LIME STABILIZED SUBGRADE SHALL BE TESTED AND APPROVED BY THE TESTING LABORATORY.
5. THE FINAL BUILDING PAD SHALL BE TESTED AND APPROVED BY THE PROJECT'S GER PRIOR TO INSTALLATION OF ANY FOUNDATION AND/OR SLAB-ON-GRADE RELATED CONSTRUCTION. IF THE BUILDING PAD HAS BEEN INSTALLED MORE THAN TWO MONTHS PRIOR TO THE PLACEMENT OF THE VAPOR BARRIER, PROVIDE FIELD MOISTURE TESTS FOR THE FULL DEPTH OF THE PAD 96 HOURS PRIOR TO PLACEMENT OF THE WATER VAPOR BARRIER TO ENSURE THAT THE FILL MOISTURE CONTENT HAS BEEN MAINTAINED PRIOR TO CONCRETE PLACEMENT. MOISTURE CONTENTS SHALL BE TAKEN AT 12 INCH VERTICAL INTERVALS WITH A MINIMUM OF TWO TESTS PER BORING AT A RATE OF ONE (1) BORING FOR EVERY 2,500 SQUARE FEET OF PAD WITH A MAXIMUM OF TEN (10). IF THE PAD TESTS SHOW MOISTURE CONTENT OUT OF THE SPECIFIED RANGES, THE TOP SIX (6) INCHES TO ONE FOOT OF MATERIAL SHALL BE REWORKED, MOISTURE CONDITIONED AND RECOMPACTED TO BETWEEN 95 AND 100 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR DENSITY TEST (ASTM D698). THE MOISTURE CONTENT SHALL BE BETWEEN OPTIMUM AND +2 PERCENT OF THE OPTIMUM MOISTURE CONTENT FOR SELECT FILL.
6. CONTRACTOR SHALL MAINTAIN A CLEAN EXCAVATION THAT IS FREE OF WATER 100% OF THE TIME. CONTRACTOR SHALL PROVIDE PUMPS AS REQUIRED TO REMOVE ANY WATER AT ALL TIMES.
7. BACKFILL AGAINST THE OUTSIDE FACE OF THE GRADE BEAMS SHOULD CONSIST OF SELECT FILL USED TO PREPARE THE BUILDING PAD. THE SELECT FILL SHOULD BE UNIFORMLY COMPACTED TO AT LEAST 95 PERCENT OF THE STANDARD EFFORT (ASTM D 698) MAXIMUM DRY DENSITY AT A MOISTURE CONTENT WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT.
8. A MINIMUM OF 2 FT OF SELECT FILL MATERIAL IS REQUIRED UNDER THE FLOOR SLAB, AND SHALL EXTEND A MINIMUM OF 10'-0" BEYOND THE BUILDING PERIMETER. THE FINAL EXTERIOR GRADE ADJACENT TO THE STRUCTURE SHOULD BE SLOPED TO PROMOTE EFFECTIVE DRAINAGE AWAY FROM THE STRUCTURE.

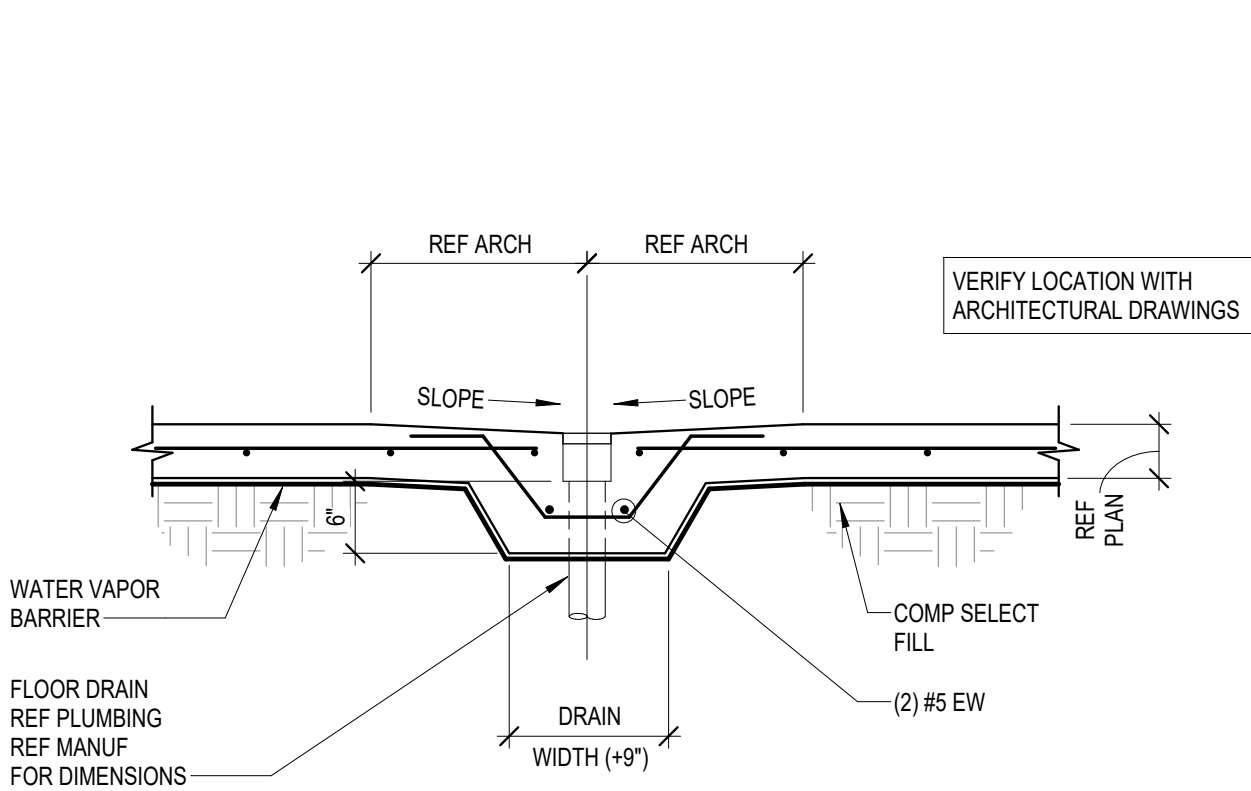
- NOTE:
1. FABRICATOR TO LOCATE THESE BARS ON THE SHOP DRAWINGS.



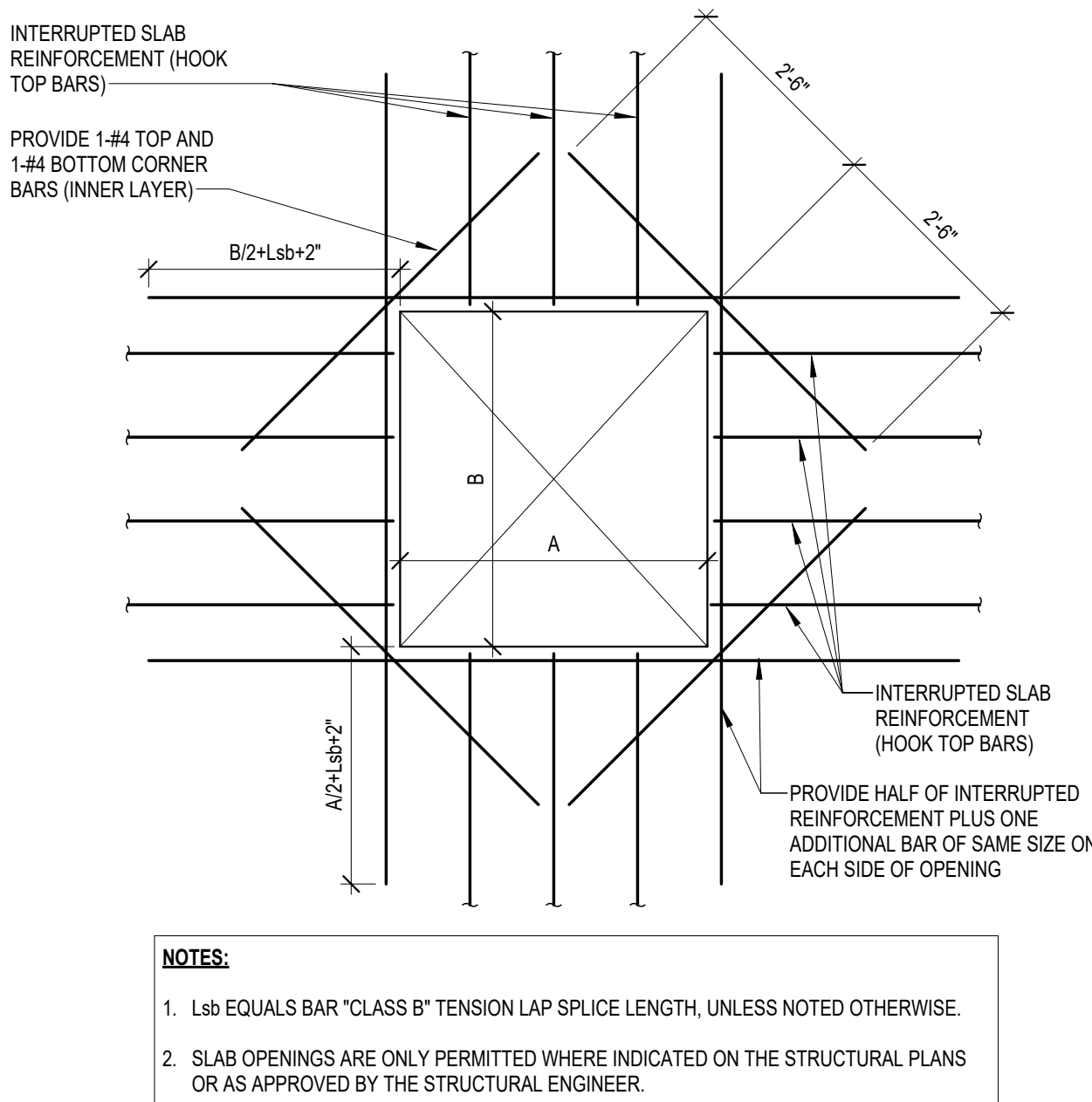
7 TYPICAL RE-ENTRANT CORNER BARS DETAIL
NO SCALE



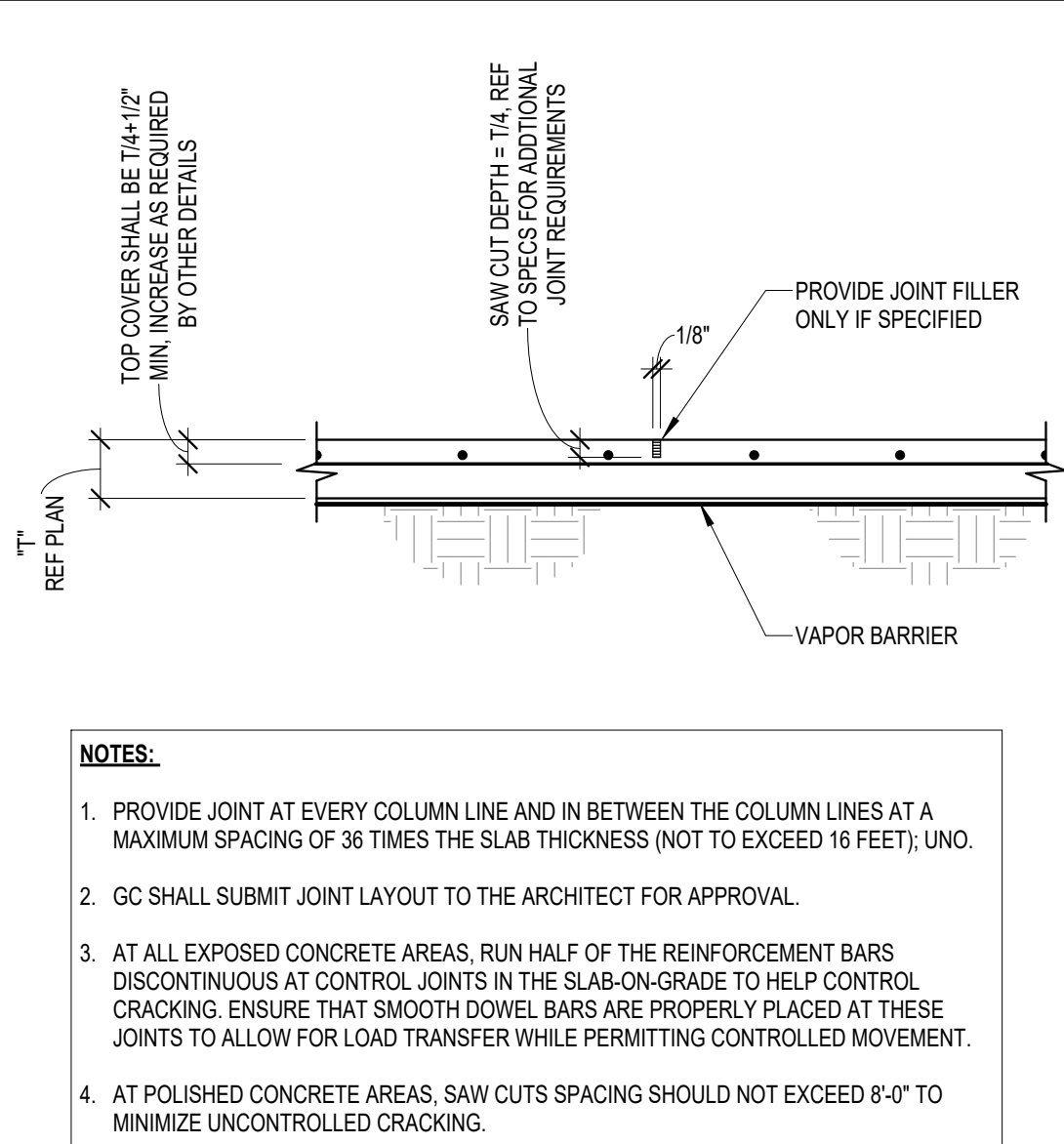
1 SLAB CONSTRUCTION JOINT
NO SCALE



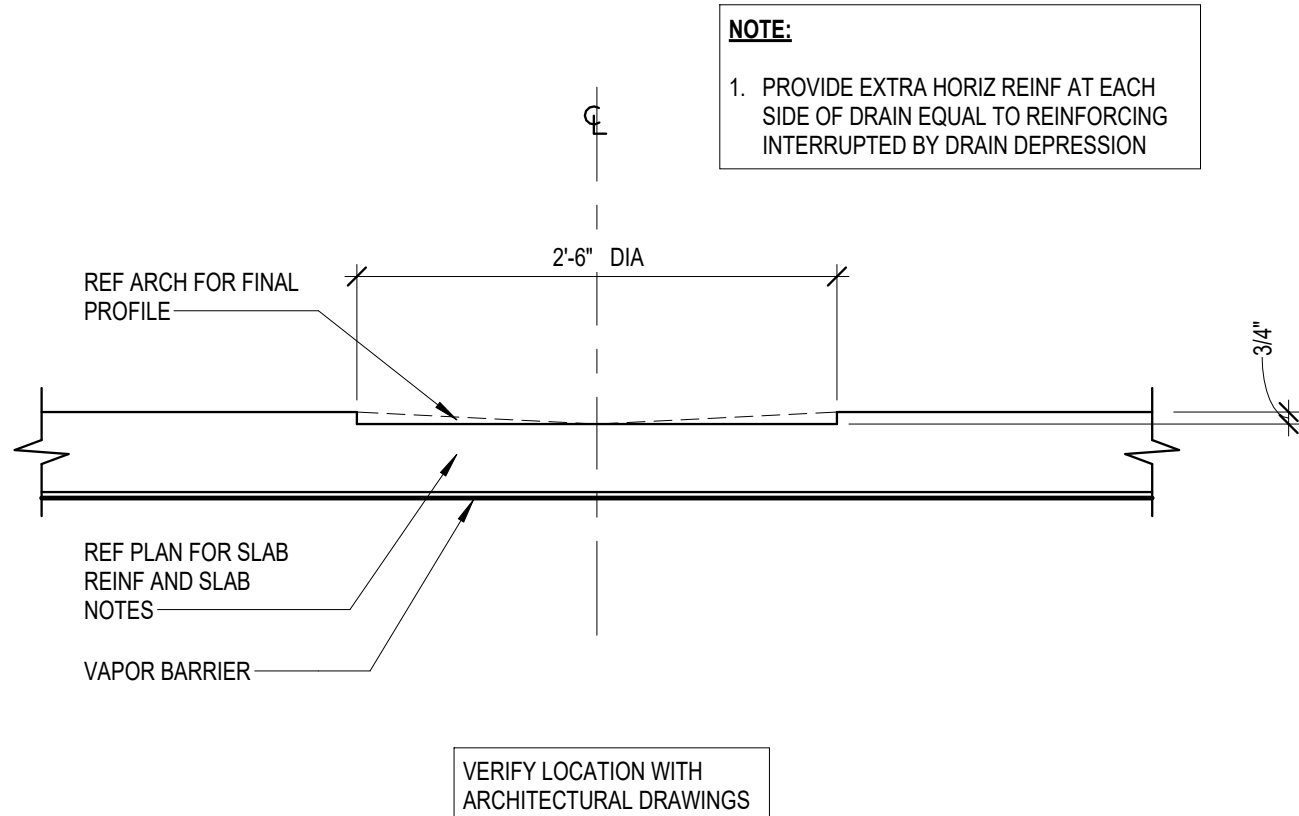
4 FLOOR DRAIN DETAIL
NO SCALE



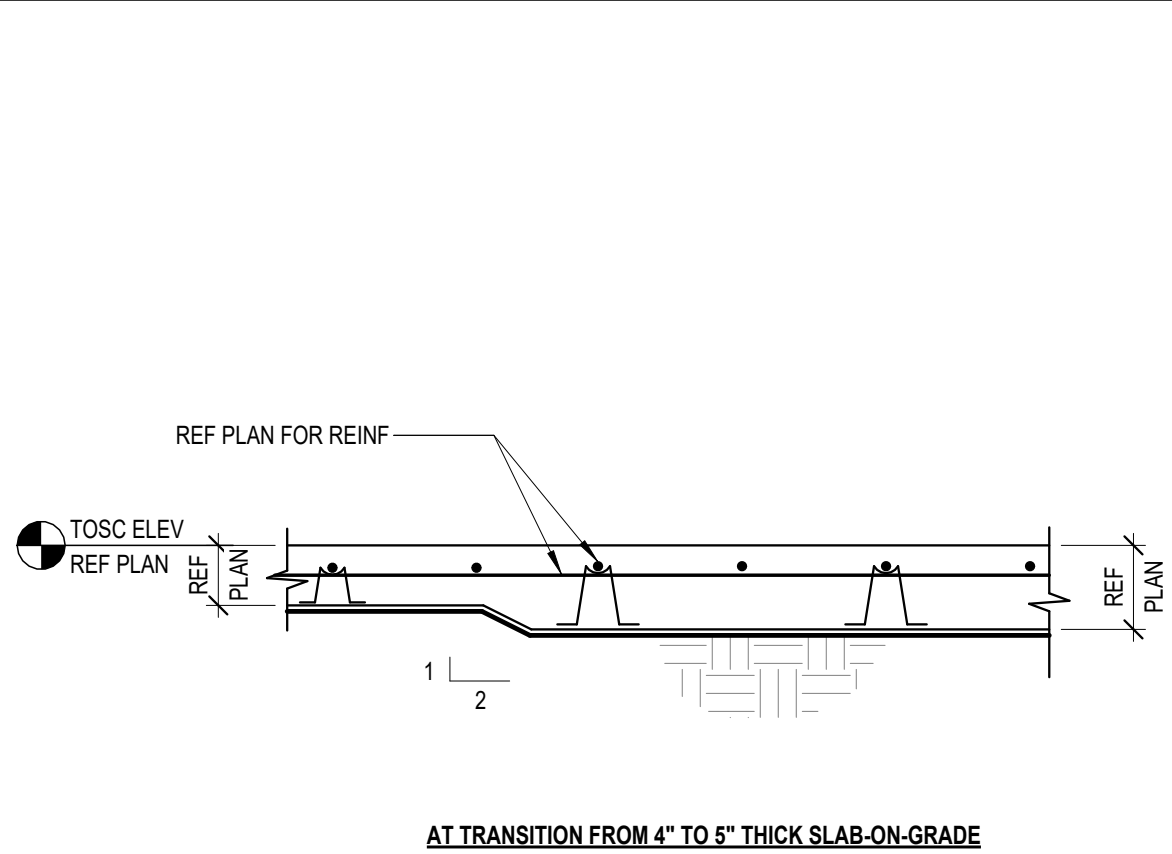
8 TYPICAL SLAB OPENING REINFORCEMENT
NO SCALE



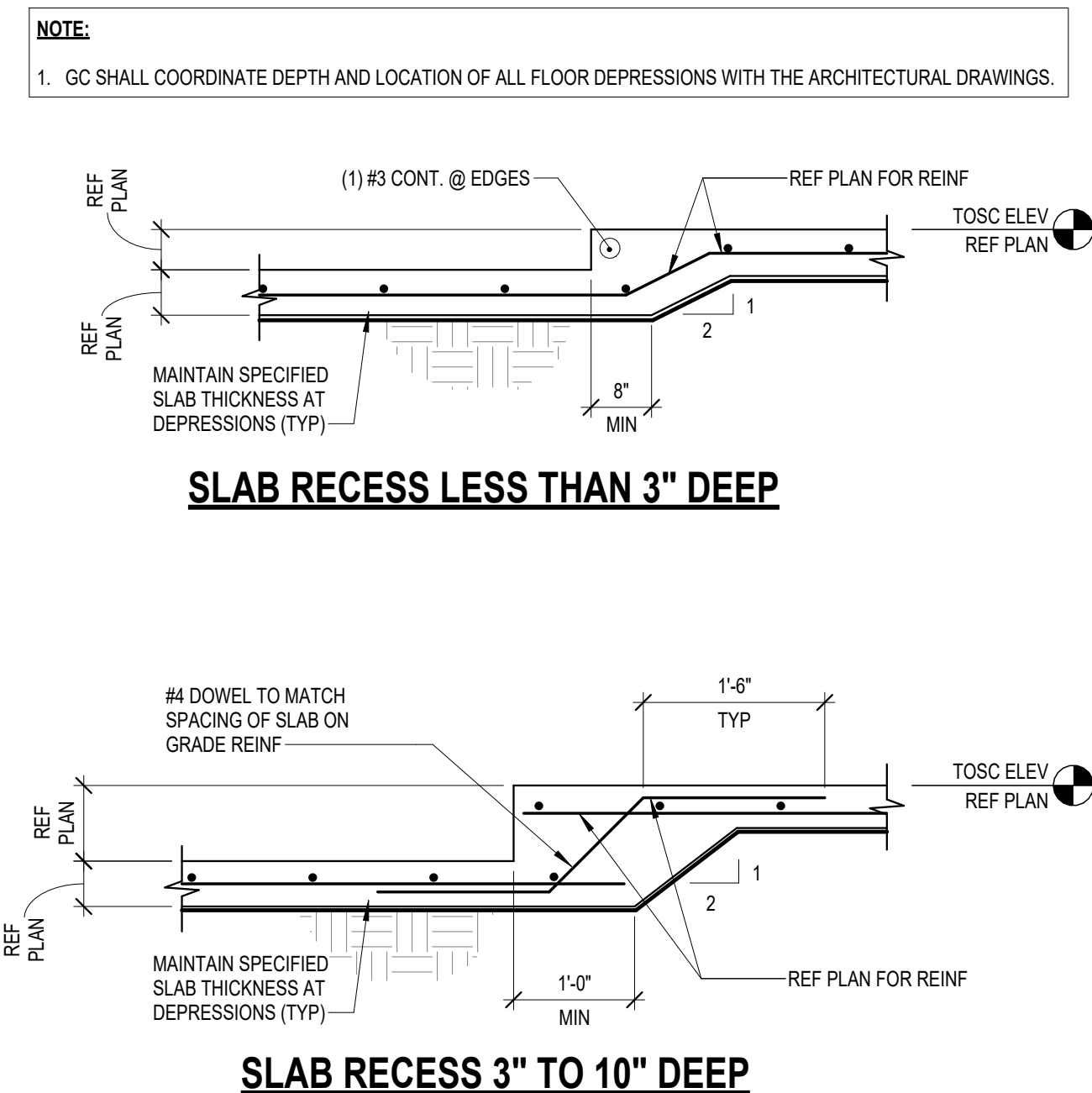
2 CONTRACTION (CONTROL) JOINT
NO SCALE



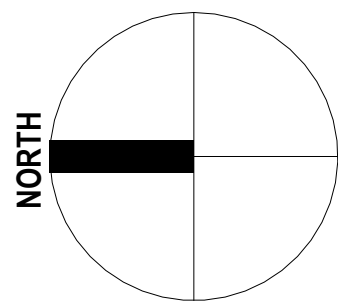
5 TYPICAL SLAB RECESS AT RESTROOM DRAIN
NO SCALE



3 TYPICAL CHANGE IN SLAB THICKNESS
NO SCALE



6 TYPICAL SLAB DEPRESSION DETAILS
NO SCALE



03/12/2026

CLIENT		
DATE		PROJECT NUMBER
03 / 12 / 2026		250306
DRAWING HISTORY		
No.	Description	Date
CHECKED BY: Checker		
DRAWN BY: Author		