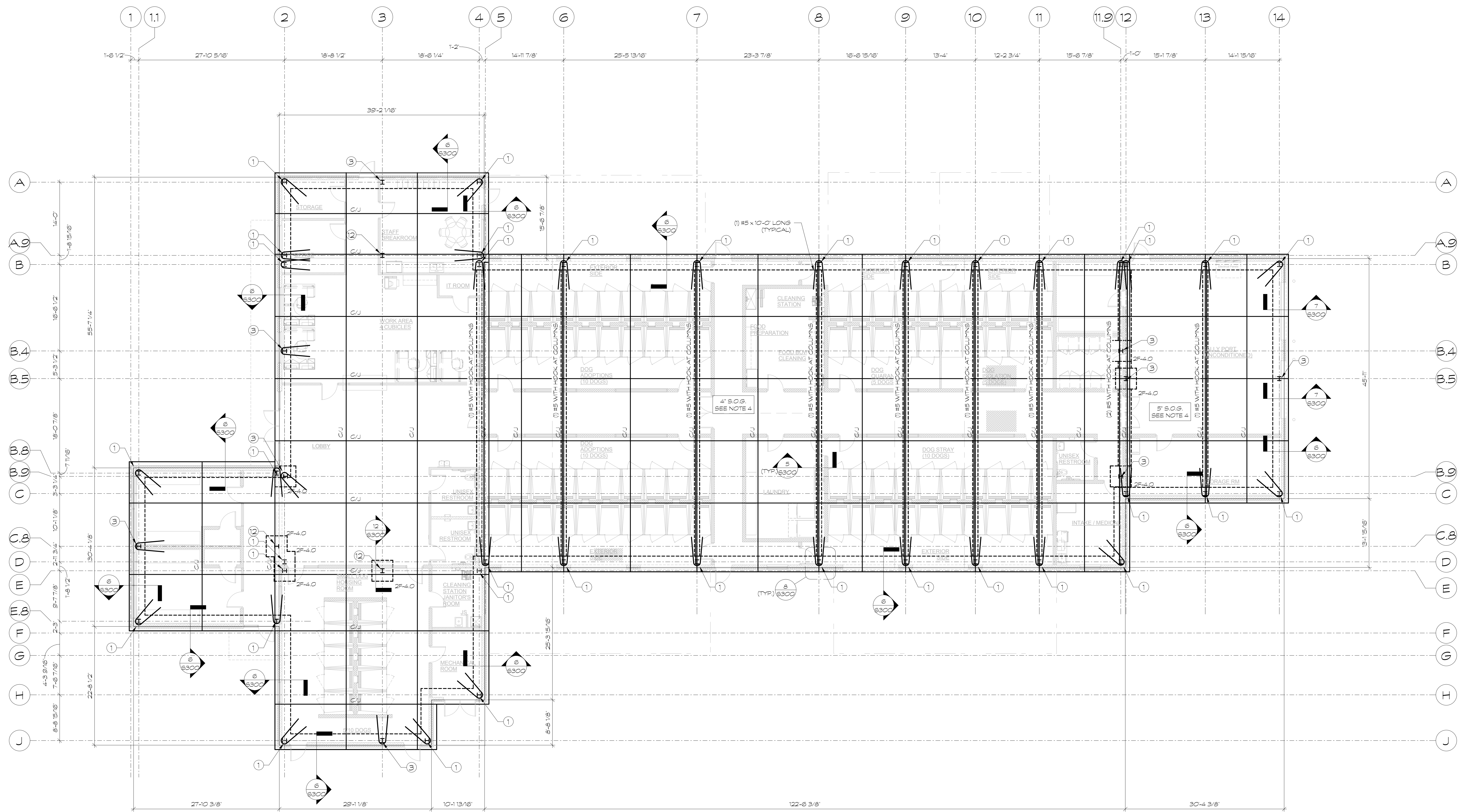


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- PLAN NOTES:**
1. TOP OF SLAB ELEVATION = STRUCTURAL ELEVATION (+0'-0").
 2. TOP OF FOOTING NOTED (x-x-x) BELOW FINISH FLOOR ELEVATION.
 3. FOR GENERAL NOTES, SEE S300 SERIES. TYPICAL DETAILS, SEE SHEET S300.
 4. X-F-X-X INDICATES SPREAD FOOTING SIZE. SEE 1/S300 FOR SCHEDULE.
 5. SLAB ON GRADE IS 4" THICK NORMAL WEIGHT CONCRETE, REINFORCED WITH 6#6 - W14xW14 W.W.F. WITH 10 MIL POLYETHYLENE VAPOR RETARDER WITH JOINTS LAPPED NOT LESS THAN 6" BETWEEN BASE COURSE OR SUBGRADE AND CONCRETE SLAB.
 6. SLAB ON GRADE IN PARKING GARAGE IS 5" THICK NORMAL WEIGHT CONCRETE, REINFORCED WITH 6#6 - W21xW21 W.W.F. WITH 10 MIL POLYETHYLENE VAPOR RETARDER WITH JOINTS LAPPED NOT LESS THAN 6" BETWEEN BASE COURSE OR SUBGRADE AND CONCRETE SLAB.
 7. COORDINATE SLAB DEPRESSIONS AND TRENCH DRAINS WITH ARCHITECTURAL AND PEMB DRAWINGS. SEE DETAILS ON S300.
 8. SEE S300 FOR ANCHOR BOLT SCHEDULE. CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER ABOUT DISCREPANCIES BETWEEN FOOTING ELEVATIONS AND CIVIL GRADES AND UTILITIES PRIOR TO POURING FOOTINGS.
 9. CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER ABOUT DISCREPANCIES BETWEEN FOOTING ELEVATIONS AND CIVIL GRADES AND UTILITIES PRIOR TO POURING FOOTINGS.
 10. IF THE EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS SHOWN, THE CONTRACTOR SHALL NOTIFY THE DESIGN TEAM IMMEDIATELY.
 11. COORDINATE ALL ANCHOR BOLT LAYOUTS WITH FINAL FIELD USE DRAWINGS FROM PEMB.
 12. 6#-1 INDICATES CONCRETE GRADE BEAM, SEE SCHEDULE ON S300.

FOUNDATION / SLAB ON GRADE PLAN

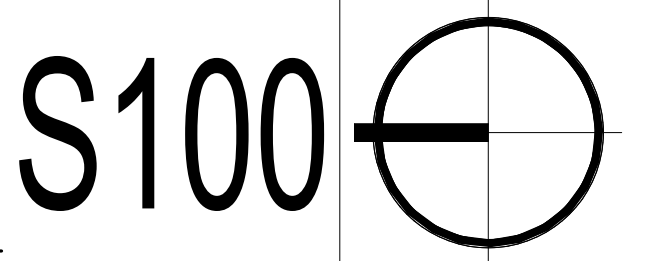
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REVISIONS

NO.	DATE	DESCRIPTION

DATE: 7.21.2024
PROJECT #: 24-431.000
SCALE: AS NOTED
DRAWN BY: DPH



GENERAL NOTES

- 1. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE... 2. THE ENGINEER DOES NOT HAVE CONTROL OR CHARGE OF... 3. STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH ARCHITECTURAL... 4. ALL THINGS WHICH IN THE OPINION OF THE CONTRACTOR... 5. DETAILS / SECTIONS SHOWN ON DRAWINGS ARE TYPICAL... 6. IF EXISTING CONDITIONS MAKE IT NECESSARY TO REVISE... 7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING... 8. THE GENERAL CONTRACTOR SHALL PROTECT EXISTING STRUCTURES... 9. IF ANY CONFLICTS OCCUR BETWEEN THE NOTES... 10. ALL WORK SHALL BE DONE IN ACCORDANCE WITH RLARCHITECTURE, PLLC... 11. ALL INSPECTIONS SHALL BE ACCORDING TO 2018 NCBC / 2015 IBC U.N.O. OR INSPECTION PLAN PROVIDED.

DESIGN CRITERIA

- 1. BUILDING DESIGNED IN ACCORDANCE WITH THE 2018 NORTH CAROLINA BUILDING CODE (2015 INTERNATIONAL BUILDING CODE WITH NORTH CAROLINA AMENDMENTS)... 2. ROOF LIVE LOAD = SEE PEMB DRAWINGS... 3. ROOF SNOW LOAD... 4. WIND LOADS DESIGNED IN ACCORDANCE WITH THE 2018 NORTH CAROLINA BUILDING CODE / 2015 INTERNATIONAL BUILDING CODE / ANSI/ASCE 7-10... 5. EARTHQUAKE DESIGN DATA... 6. FOUNDATIONS HAVE BEEN DESIGNED FOR LOADINGS PROVIDED BY PRELIMINARY DRAWINGS FROM RLARCHITECTURE, PLLC, DATED JUNE XX, 2024.

FOUNDATION NOTES

- 1. ALL EXISTING TOPSOIL, VEGETATION, DISTURBED SOILS AND SURFACE SOILS CONTAINING ORGANIC MATTER OR OTHER DELETERIOUS MATERIALS SHOULD BE STRIPPED FROM WITHIN THE PROPOSED BUILDING AND PAVED AREAS... 2. FOUNDATIONS AND SLABS ARE TO BE PLACED ON FIRM UNDISTURBED NATURAL SOIL OR PROPERLY COMPACTED FILL MATERIAL... 3. IN ORDER TO VERIFY THAT THE SOILS ENCOUNTERED IN FOOTING EXCAVATIONS ARE SIMILAR TO THOSE ENCOUNTERED IN THE SOIL TEST BORINGS... 4. FOOTINGS SHOULD BE POURED AS SOON AS POSSIBLE AFTER EXCAVATION... 5. MAXIMUM FOUNDATION NET SOIL BEARING PRESSURE: IS 2000 PSF BASED ON TERRAZCON REPORT DATED APRIL 23, 2024... 6. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SUBSURFACE CONDITIONS BEFORE COMMENCING EXCAVATION WHICH SHALL NOT BE LIMITED TO DEWATERING.

GENERAL CONCRETE NOTES

- 1. CONCRETE... 2. ALL CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS... 3. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS... 4. ALL CONCRETE SHALL BE READY-MIXED MEETING THE REQUIREMENTS OF ASTM C-84... 5. CONCRETE AGGREGATE GRADATION SHALL BE IN ACCORDANCE WITH ASTM C33... 6. A MID RANGE WATER REDUCING ADMIXTURE IN CONFORMANCE WITH ASTM C484 TYPE 'A' IS TO BE USED TO REDUCE WATER REQUIREMENTS... 7. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH (fc) AT 28 DAYS AND DENSITIES AS FOLLOWS... 8. NO WATER SHALL BE ADDED TO THE CONCRETE AT THE JOB SITE... 9. MEMBERS NOT TO BE LOADED UNTIL CONCRETE HAS REACHED ITS REQUIRED COMPRESSIVE STRENGTH... 10. CONCRETE PLACEMENT IS TO CONFORM WITH ACI 305 HOT WEATHER CONCRETING AND ACI 308.1R COLD WEATHER CONCRETING... 11. FORMWORK SHALL BE DESIGNED AND CONSTRUCTED/INSTALLED IN ACCORDANCE WITH ACI 347, GUIDE TO FORMWORK FOR CONCRETE... 12. CONCRETE SHALL BE TESTED IN ACCORDANCE WITH SECTION 5.6 OF ACI 318-14... 13. ALL CONCRETE DEFECTS, INCLUDING JOINT DAMAGE, HONEYCOMBS, TIE HOLES, SPALLS, AND OTHER DEFECTS SHALL BE PROPERLY REPAIRED IMMEDIATELY... 14. REINFORCEMENT... 15. SLABS ON GRADE... 16. CONCRETE FLOOR SLAB ON GRADE CONSTRUCTION SHALL CONFORM TO ACI 302.1R... 17. FLOOR SLAB IS TO HAVE APPROPRIATELY SPACED CONSTRUCTION AND CONTROL JOINTS... 18. ISOLATION JOINTS SHALL BE AS SHOWN ON DRAWINGS AND FILLED WITH POLYURETHANE JOINT FILLER... 19. FLOOR SLAB AREAS ARE TO RECEIVE (2) COATS OF 30% SOLIDS ACRYLIC CURE AND SEAL... 20. FLOOR SLABS MAY RECEIVE DENSIFIER APPLICATION... 21. ALL FLOOR SEALERS, FINISHES, ETC., SHALL BE COORDINATED WITH ARCHITECTURAL FINISHES AND REQUIREMENTS OF PREPARED SLAB FOR CHEMICAL COMPATIBILITY.

SCHEDULE OF SPECIAL INSPECTIONS

- X NO SPECIAL INSPECTIONS REQUIRED FOR THIS PROJECT SPECIAL INSPECTIONS REQUIRED

THE FOLLOWING SHEETS COMPRISE THE REQUIRED SCHEDULE OF SPECIAL INSPECTIONS FOR THIS PROJECT. THE CONSTRUCTION DIVISIONS THAT REQUIRE SPECIAL INSPECTIONS FOR THIS PROJECT ARE AS FOLLOWS:

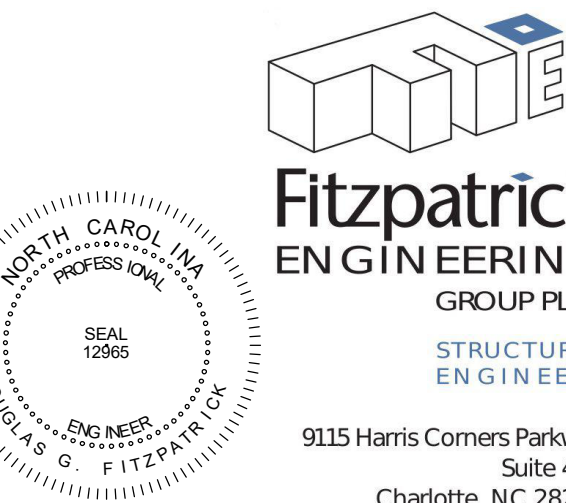
- IT-1 SPECIAL CASES
IT-2 STEEL CONSTRUCTION
IT-3 CONCRETE CONSTRUCTION
IT-4 MASONRY
IT-5 WOOD
IT-6 SOILS
IT-7 DRIVEN DEEP FOUNDATIONS
IT-8 CAST-IN-PLACE DEEP FOUNDATIONS
IT-9 HELICAL PILES
IT-10 FABRICATED ITEMS
IT-11 WIND RESISTANCE
IT-12 SEISMIC RESISTANCE
IT-13 TESTING FOR SEISMIC RESISTANCE
IT-14 SPRAYED FIRE-RESISTANT MATERIALS
IT-15 MASTIC/INTUMESCENT FIRE-RESISTANT COATING
IT-16 EXTERIOR INSULATION & FINISH SYSTEM
IT-17 FIRE-RESISTANT PENETRATIONS AND JOINTS
IT-18 SMOKE CONTROL

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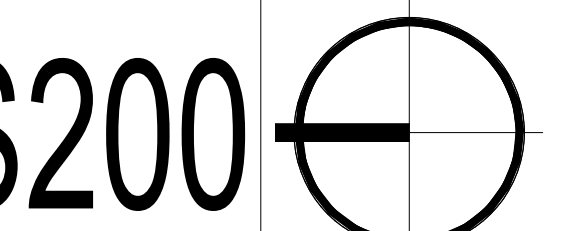
GENERAL NOTES

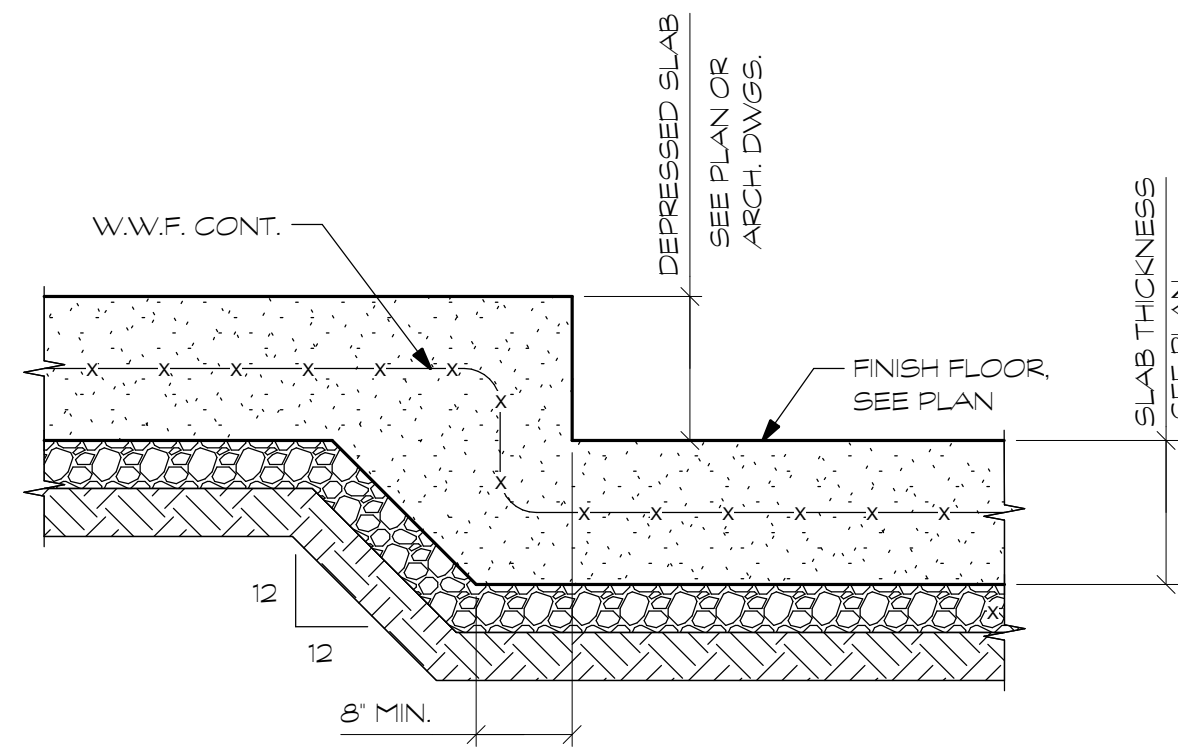
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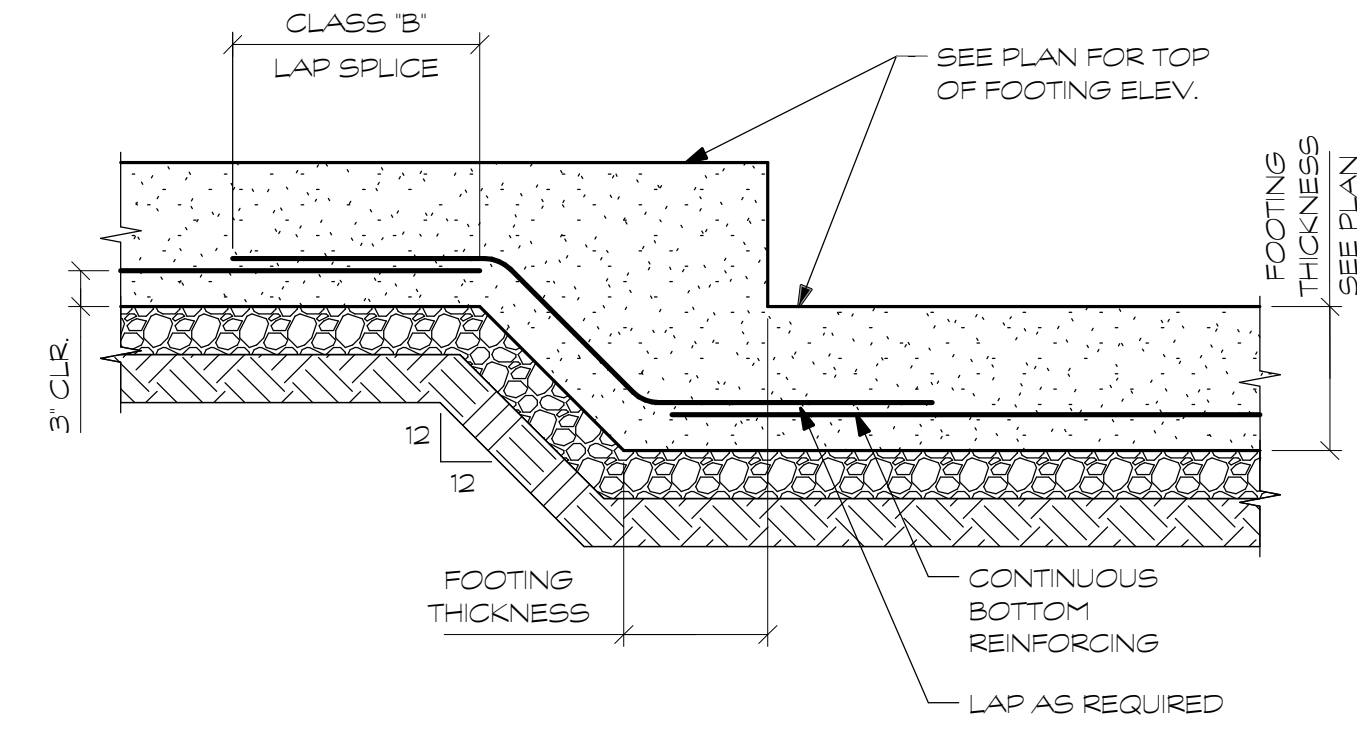
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DATE: 7.21.2024 PROJECT # 24-431.000 SCALE AS NOTED DRAWN BY: DPH

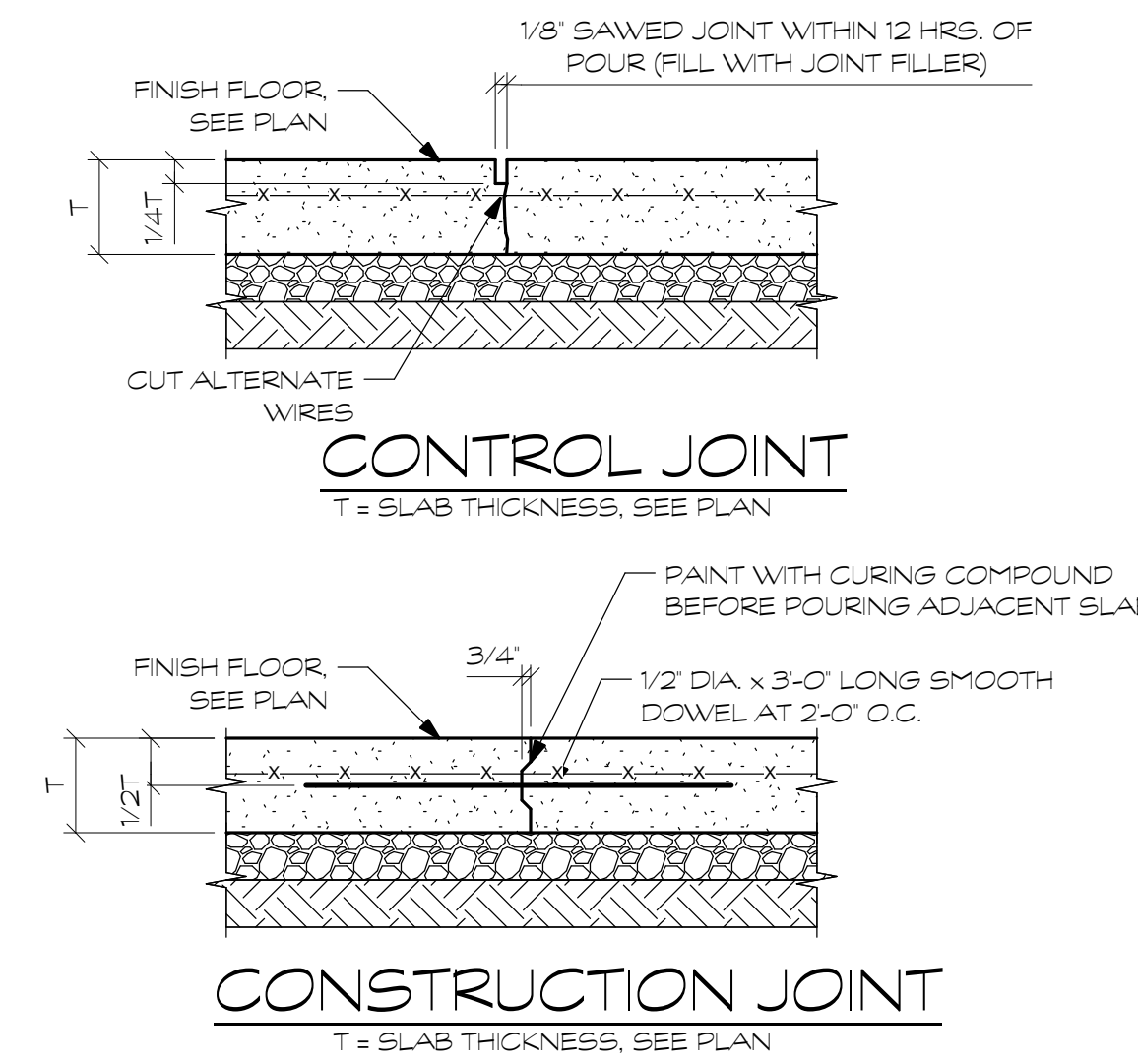




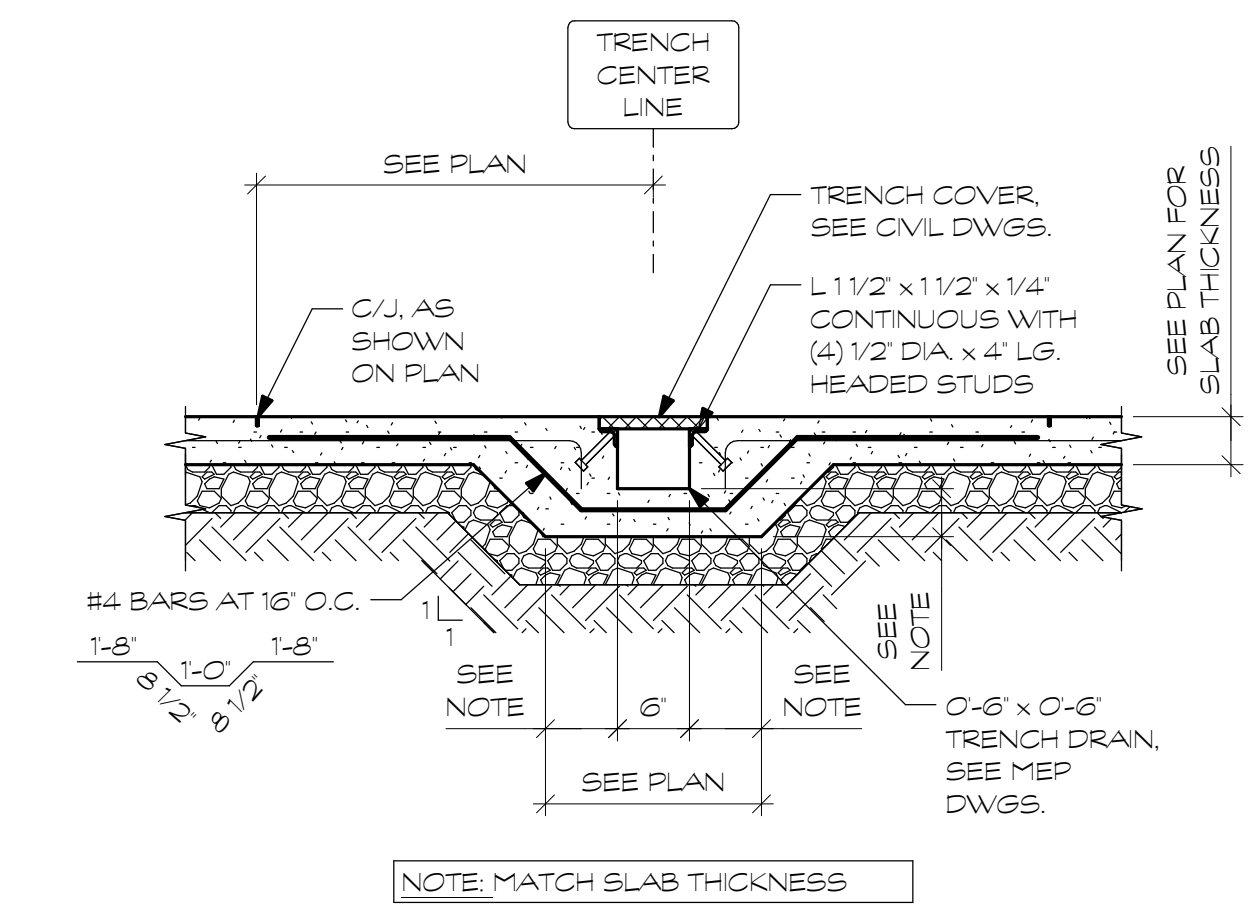
1 TYP. DEPRESSED SLAB ON GRADE
3/4" = 1'-0"



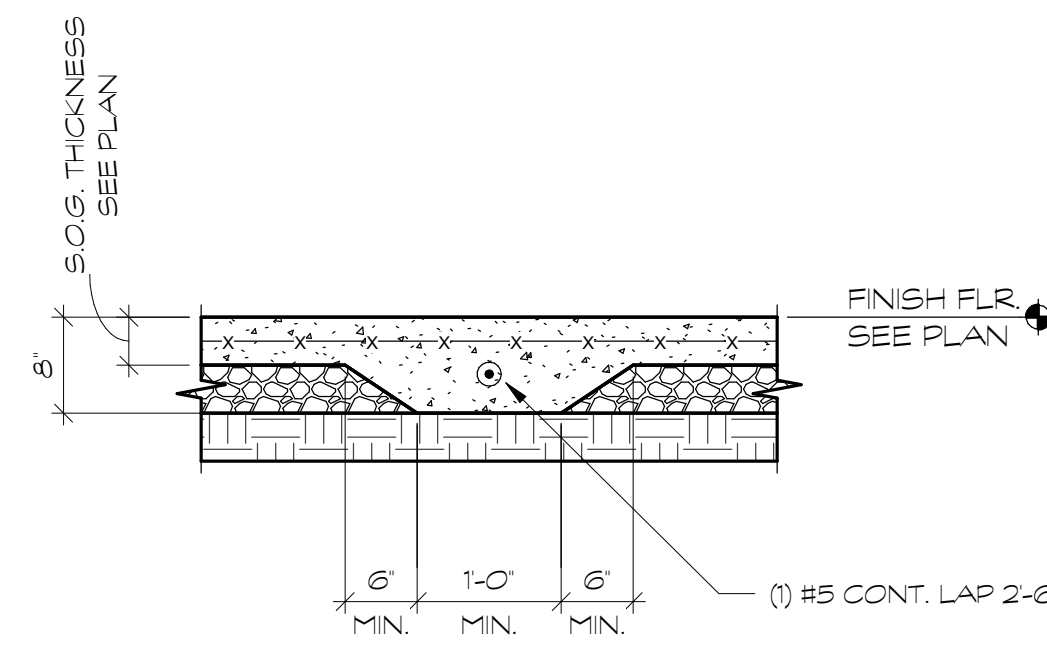
2 TYP. FOOTING STEP
3/4" = 1'-0"



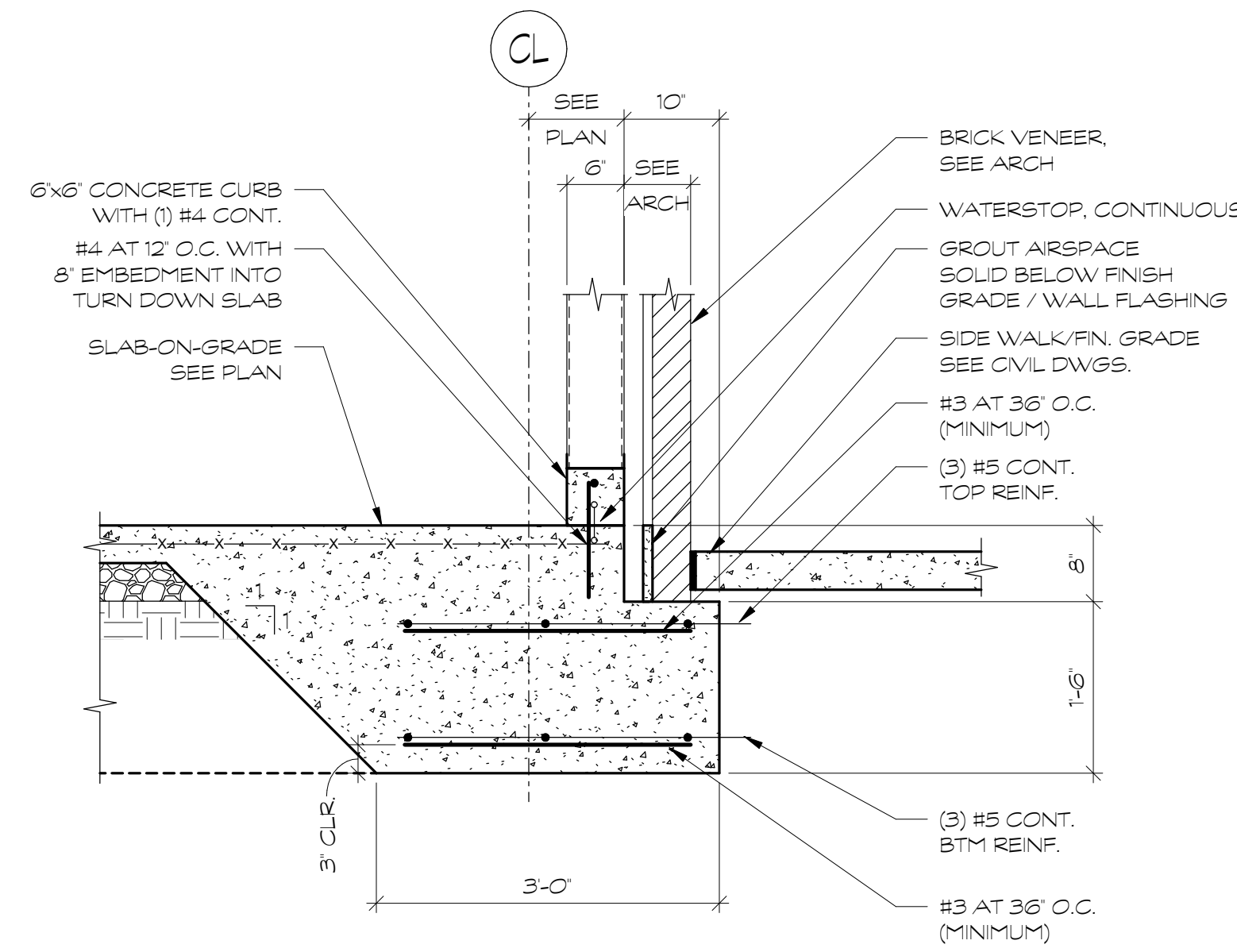
3 TYP. S.O.G. C/J DETAILS
3/4" = 1'-0"



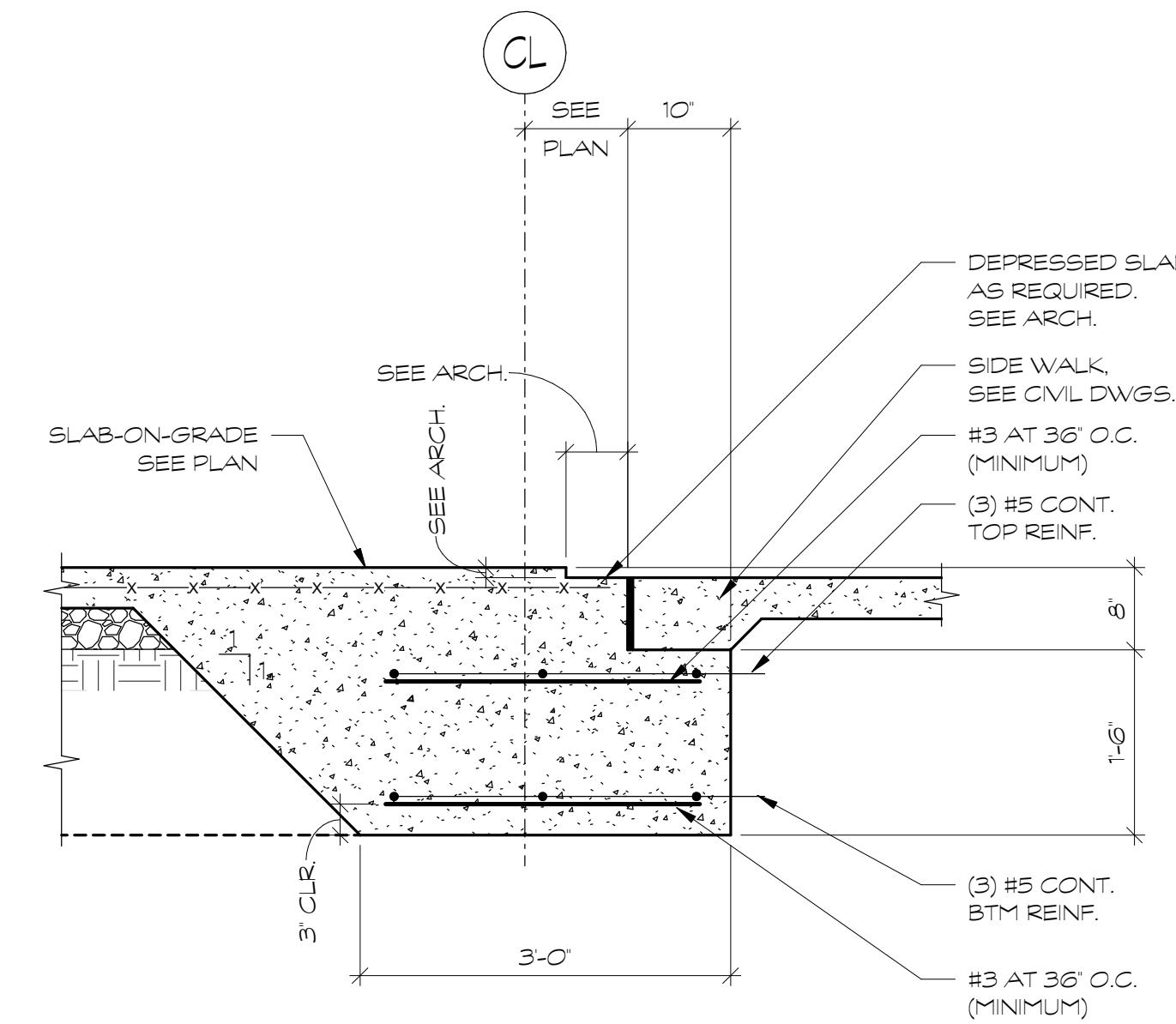
4 TYP. REINF. @ TRENCH DRAIN
3/4" = 1'-0"



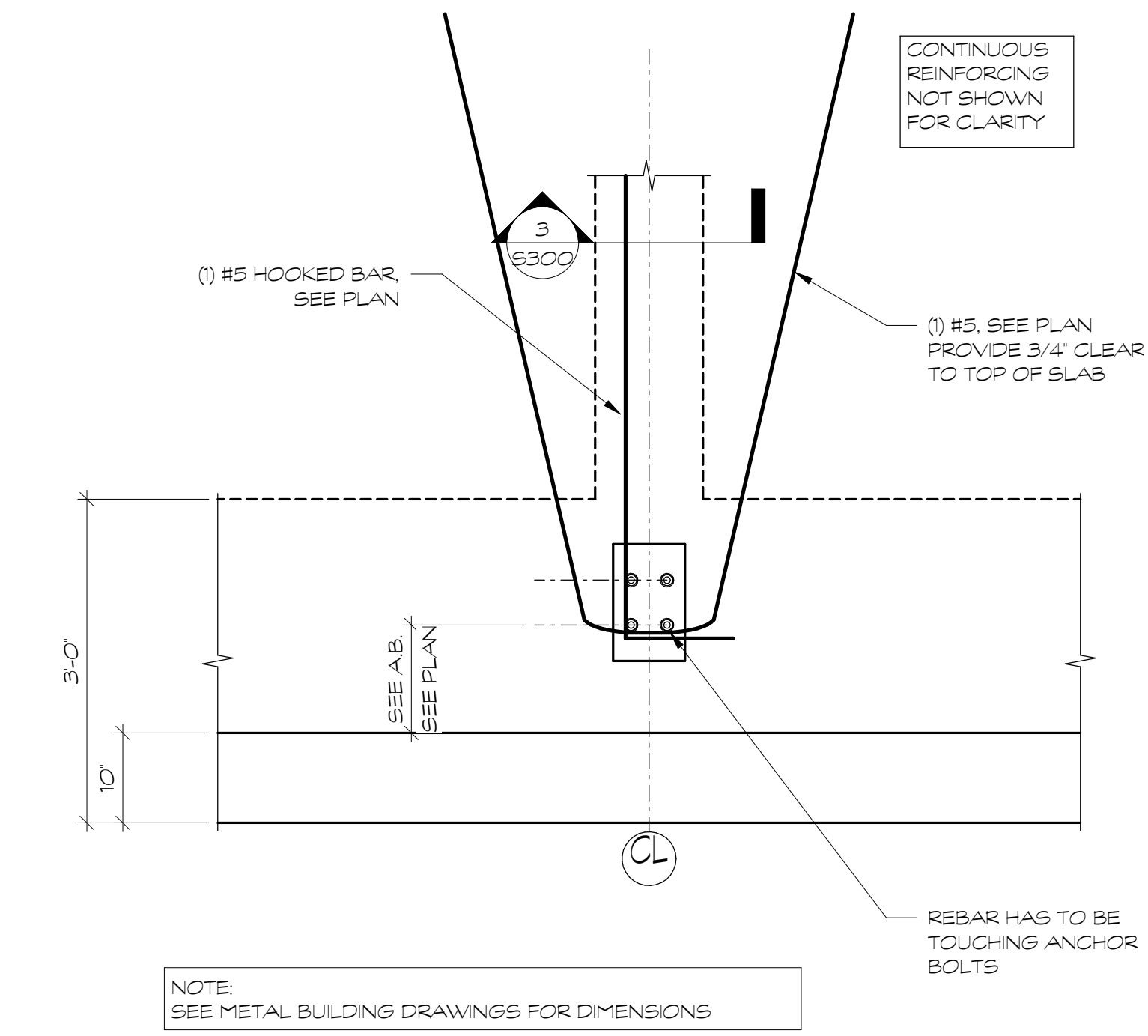
5 TYPICAL INTERIOR THICKENED SLAB
3/4" = 1'-0"



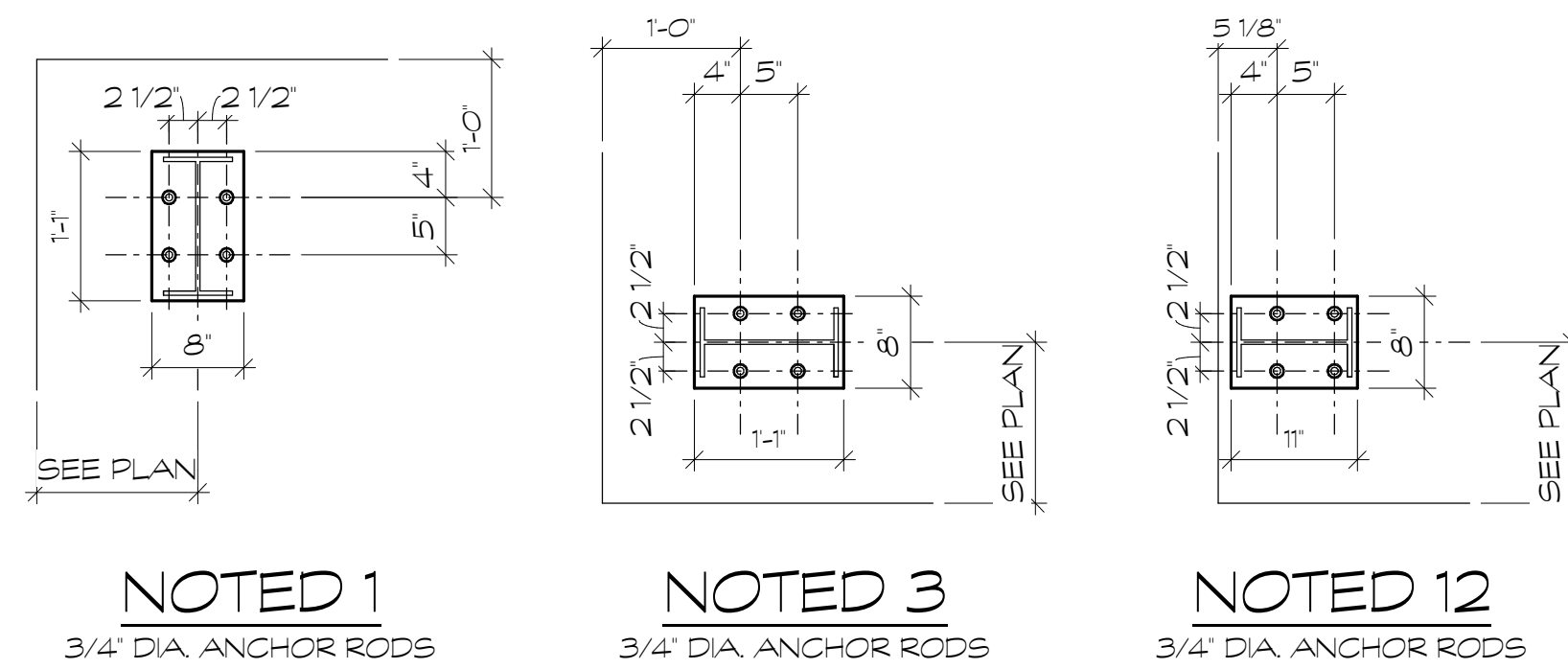
6 TYPICAL EDGE OF SLAB WITH BRICK
3/4" = 1'-0"



7 EDGE OF SLAB AT GARAGE ENTRANCE
3/4" = 1'-0"



8 ADDED REINF. AT PEMB COLUMNS
3/4" = 1'-0"

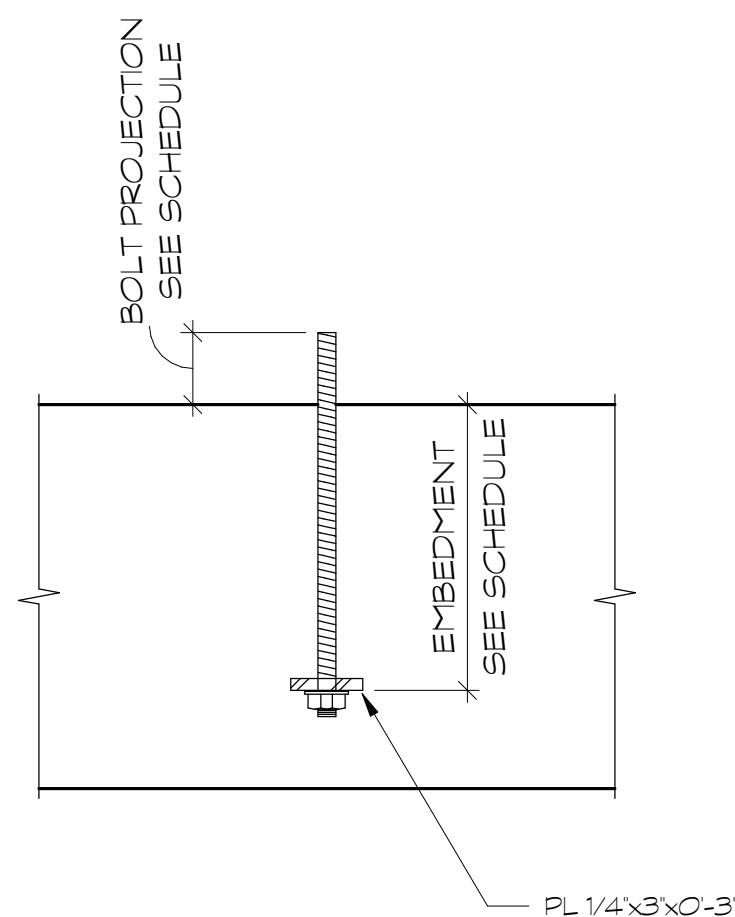


9 PEMB ANCHOR BOLT SETTING PLAN
3/4" = 1'-0"

ANCHOR BOLT SCHEDULE			
MARK	ANCHOR BOLT DIAMETER	ANCHOR BOLT EMBEDMENT	ANCHOR BOLT PROJECTION
1	3/4"	1'-0"	4"
3	3/4"	1'-0"	4"
12	3/4"	1'-0"	4"

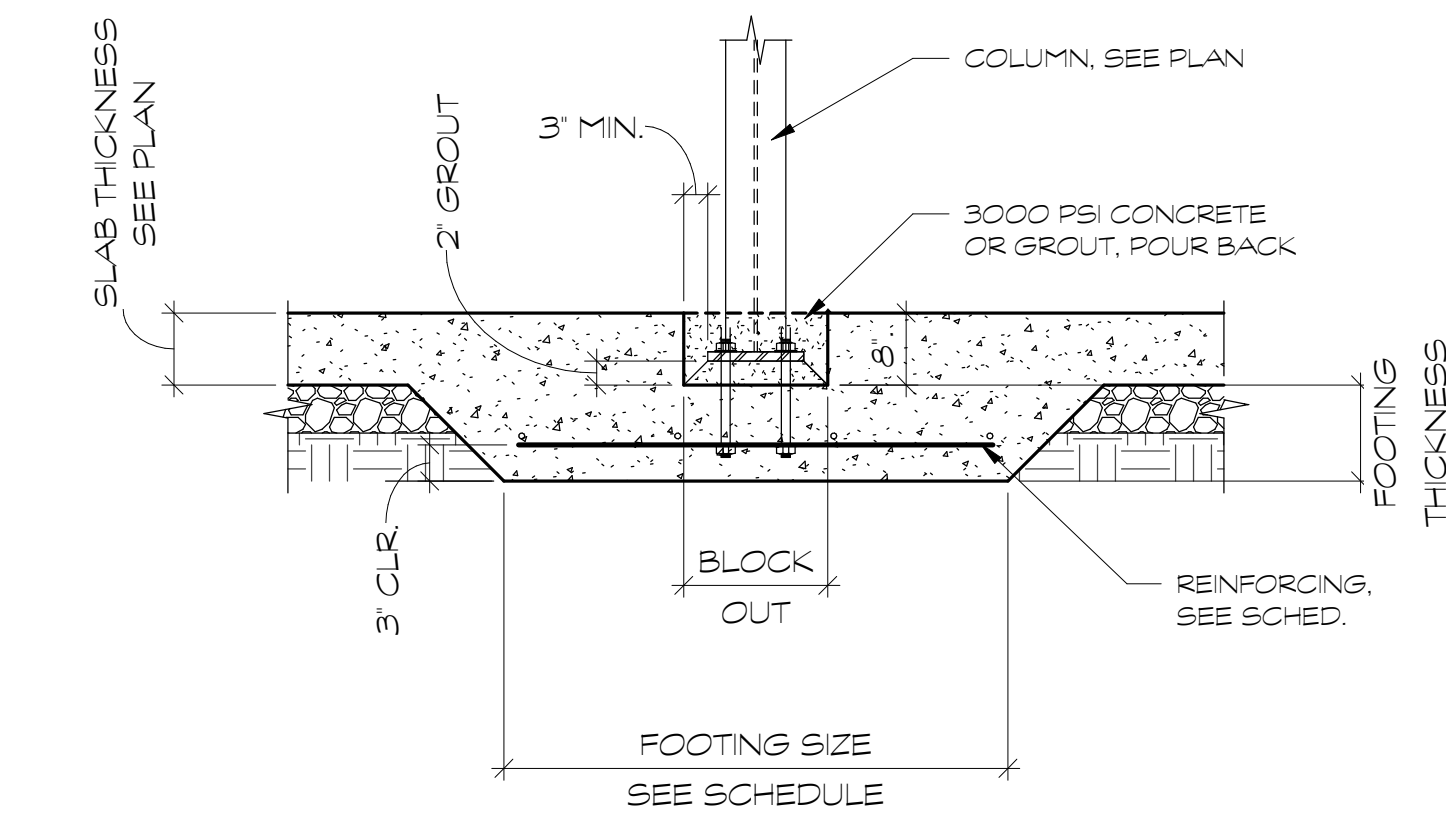
10 PEMB ANCHOR BOLT SCHEDULE
3/4" = 1'-0"

NOTE:
1. SEE DETAIL BELOW.
2. ALL ANCHOR BOLTS ARE F1554-36, UNLESS NOTED OTHERWISE.



SPREAD FOOTING SCHEDULE (2000 PSF)			
MARK	SIZE	THICKNESS	BOTTOM BARS
2F-4.0	4'-0" SQ.	1'-8"	(6) #5 EACH WAY

11 SPREAD FOOTING SCHEDULE
3/4" = 1'-0"



12 COLUMN BASEPLATE
3/4" = 1'-0"

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FOUNDATION SECTIONS AND DETAILS

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