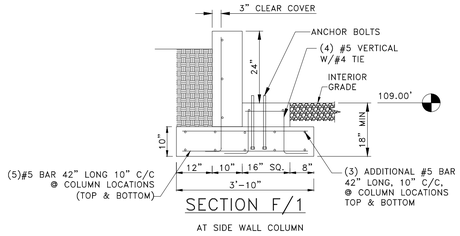
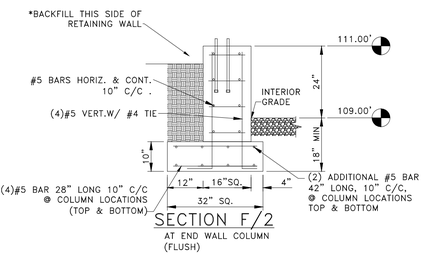


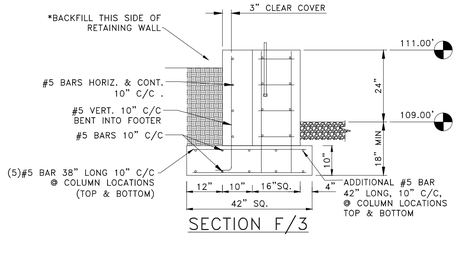
SECTION F/1

AT SIDE WALL COLUMN

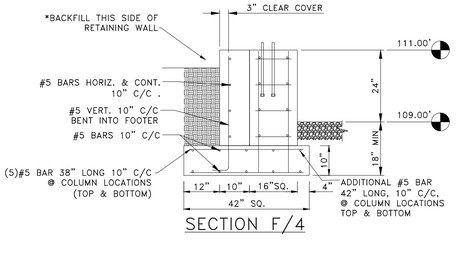


SECTION F/2

AT END WALL COLUMN (FLUSH)

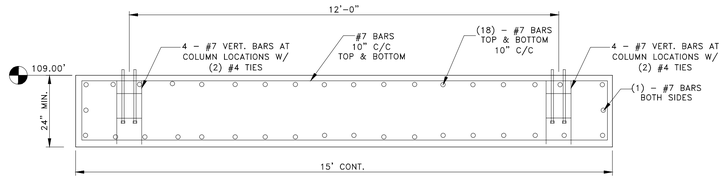


SECTION F/3



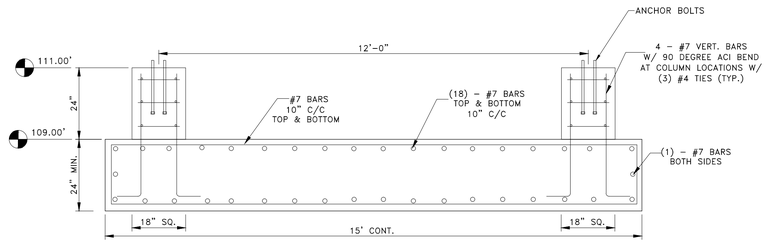
SECTION F/4

*NOTE: BACKFILL SHALL BE PLACED AS PER RECOMMENDATION OF GEOTECHNICAL REPORT.



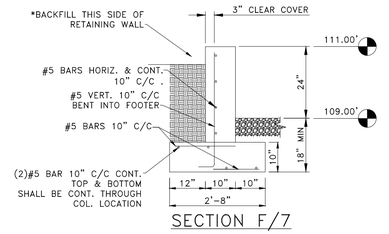
SECTION F/5

CONTINUOUS FOUNDATION FOR INTERIOR COLUMNS (@ B,C,H,I)



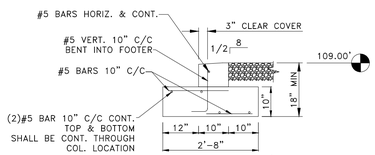
SECTION F/6

END WALL COLUMN FOUNDATION (@ B,C,H,I)



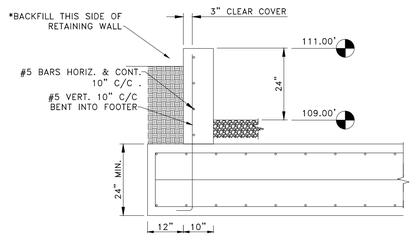
SECTION F/7

SIDE WALL AND END WALL INBETWEEN COLUMN



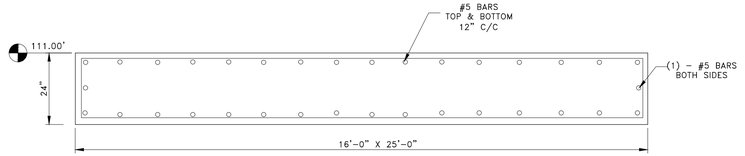
SECTION F/8

SIDE WALL AND END WALL INBETWEEN COLUMN



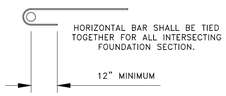
SECTION F/9

SIDE WALL AND END WALL INBETWEEN COLUMN

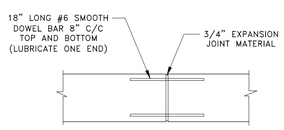


SECTION F/10

ELEVATED FLOOR AREA



REBAR TERMINATION DETAIL



FOUNDATION EXPANSION JOINT DETAIL

FOR CONSTRUCTION

SUBGRADE AND SUBBASE NOTES

1. SUBGRADE: EXCAVATION AND BACKFILL PROCEDURES OUTLINED IN THE AFOREMENTIONED GEOTECHNICAL REPORT SHALL BE FOLLOWED. EXISTING SOIL/FILL MATERIAL SHALL BE THOROUGHLY COMPACTED TO CREATE A SUBGRADE THAT CAN PROVIDE UNIFORM SUPPORT. SUBGRADE AND SUBBASE SHALL BE INSPECTED BY QUALIFIED PROFESSIONAL. AFTER SITE PREPARATION, COEFFICIENT OF SUBGRADE MODULUS SHALL BE 150 POUNDS PER CUBIC INCH AND MUST BE CONSISTENT THROUGH OUT THE DRIVE BAY AREA. SUBGRADE PREPARATION AND FINAL CONDITION MUST BE FIELD VERIFIED BY LOCAL INSPECTION AGENCY.

2. SUBBASE: MINIMUM OF 6" CRUSHED STONE/GRANULAR MATERIAL WITH LESS THAN 5% PASSING NO. 200 SIEVE WILL BE PLACED ON TOP OF SUBGRADE. THIS WILL CREATE A SUBBASE FOR THE FLOOR. SUBBASE MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 98% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT (ASTM D698). PROPER DRAINAGE (SUCH AS FRENCH DRAIN) SHALL BE PROVIDED TO AVOID HYDROSTATIC PRESSURE BUILD UP.

3. REINFORCED CONCRETE FLOOR SHALL BE PLACED ON TOP OF THE SUBBASE.

FOUNDATION & CONCRETE NOTES

1. FOUNDATION AS SHOWN HAS BEEN DESIGNED USING SOIL BEARING CAPACITY OF 2500 POUNDS PER SQUARE FOOT AND SHALL BE SUBJECT TO THE APPROVAL OF LOCAL GEOTECHNICAL ENGINEER. FOUNDATION WAS DESIGNED BASED ON GEOTECHNICAL REPORT, PREPARED BY GEOTECHNOLOGIES, INC, DATED FEBRUARY 18, 2008. SITE SHALL BE PREPARED AS PER AFOREMENTIONED REPORT AND SUBJECT TO SPECIAL INSPECTION.

   SHOULD THE ACTUAL CONDITIONS PROVE UNSUITABLE DURING EXCAVATION, THE ENGINEER SHALL BE CONTACTED AND ARRANGEMENTS SHALL BE MADE FOR AN ALTERNATIVE FOUNDATION DESIGN.

2. CONCRETE IS DESIGNED IN ACCORDANCE WITH ACI 318. IN EXTREME WEATHER PRECAUTIONS TO BE TAKEN FOR POURING AND CURING OF CONCRETE AS PER ACI 305R AND 306R.

3. FLOOR SLAB IN CENTER DRIVE SHALL BE 12" THICK AND SHALL BE REINFORCED USING ONE OF THE FOLLOWING METHODS:

   A) USE NOVOTEX 1050, STEEL FIBER (2" STEEL FIBER). MINIMUM STEEL FIBER DOSAGE SHALL BE 54 LB/CU. YD. FIBER SHOULD BE ADDED AT CONCRETE BATCH PLANT AND SHALL BE MIXED FOR FIVE MINUTES AT FULL RPM.

   B) TWO LAYERS (TOP AND BOTTOM) OF #5 BAR IN 12" O.C. BOTH DIRECTION SHALL BE USED.

   DUAL WHEEL LIFT TRUCK W/ MAXIMUM AXLE LOAD OF 145 KIPS, CONTACT PRESSURE OF 138 PSI AND 141" WHEEL OUT TO OUT SPACING WAS ASSUMED FOR SLAB DESIGN. LIFT TRUCK SPECIFICATION MUST BE VERIFIED BEFORE CONSTRUCTION.

4. CONCRETE FOOTERS TO BE MINIMUM F'C 3,500 PSI @ 28 DAYS, AND 4" SLUMP MAXIMUM. CONCRETE FLOORS TO BE MINIMUM F'C 4,000 PSI @ 28 DAYS, AND 4" SLUMP MAXIMUM. REINFORCING BAR TO BE MINIMUM F'Y 60,000PSI.

5. DIMENSIONS ARE TO OUTSIDE EDGES OF CONCRETE AND TO CENTERLINES OF ANCHOR BOLTS AND ANCHOR BOLT CLUSTERS.

7. ANCHOR BOLT SIZINGS AND PROJECTIONS ARE SHOWN IN ANCHOR ROD PLAN AND DETAILS.

8. CONTRACTOR SHALL CONFIRM DIMENSIONS AND ANCHOR BOLT PLACEMENTS WITH THE AUTHOR OF THIS PLAN PRIOR TO CONSTRUCTION.

9. AFTER CURING OF CONCRETE AND STRIPPING OF FORMWORK THE CONTRACTOR SHALL PLACE BACKFILL IN MAXIMUM 8" LIFTS, COMPACTED TO 95% COMPACTION.

10. MAXIMUM CONTRACTION/CONTROL JOINT SPACING SHALL BE 15-FT. MINIMUM CONTROL JOINT DEPTH IS 1/4 OF THE THICKNESS OF THE SLAB.

12. REINFORCING STEEL BARS SHALL HAVE A MINIMUM 3" CLEAR COVERAGE AND 60 KSI YIELD STRENGTH.

13. CONCRETE SLAB ON GRADE FLATNESS STANDARD: FF - 25"

14. FINISH FLOOR SHOULD BE CLEANED, THEN ONE COAT OF LAPIDOLITH SEALER/HARDENER OR EQUAL SHALL BE APPLIED.

15. WHERE LAP SPLICES ARE USED IN REINFORCING BARS PROVIDE THE FOLLOWING LAP[LENGTHS:
    #3 AND #4 BAR = 18" LAP LENGTH
    #5 BAR = 24" LAP LENGTH
    #6 BAR = 30" LAP LENGTH
    #7 BAR = 46" LAP LENGTH

16. 1/2" EXPANSION JOINT MATERIAL SHALL BE INSTALLED AROUND THE PERIMETER OF THE CONCRETE FLOOR AND CONTINOUS COLUMN FOUNDATION.

17. WHENEVER CONTINUOUS CONCRETE PLACEMENT IS INTERRUPTED FOR 30 MINUTES, OR MORE A BOUNDED CONSTRUCTION JOINT WILL BE INSERTED. JOINT WILL HAVE 3/4" x 24" DOWELS AT 12" O.C.

THE BOATHOUSE AT FRONT STREET VILLAGE

2400 LENNOXVILLE Rd.
BEAUFORT, NC
28516

REVISIONS

DESCRIPTION	BY	DATE

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DATE: 5-05-15

DRAWN BY: AARON BUROKER

JOB NO. 3740M

SHEET F1.1