

SECTION 6

GENERAL NOTES

1. DESIGN LIVE LOADS = 100 PSF.

CAST IN PLACE CONCRETE CAST-IN-PLACE CONCRETE SHALL CONFORM TO ACI 318-95. REINFORCING STEEL SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH ACI-315 DETAILING MANUAL. CONCRETE SHALL BE NORMAL WEIGHT WITH A MINIMUM OF 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS WITH A MINIMUM 5 SACKS PORTLAND CEMENT PER CUBIC YARD.

. MILD STEEL REINFORCING BARS SHALL BE ASTM A615, GRADE 60.

PROVIDE ONE #5 BAR OR MATCHING SIZE CORNER BAR X 4'-0" LONG (2'-0" EACH LEG) FOR EACH HORIZONTAL BAR AT CORNER IN GRADE BEAMS. BARS CALLED FOR AS CONTINUOUS SHALL HAVE STAGGERED LAPS 40 BAR DIAMETERS (2'-0" MINIMUM). 7. LAP TOP REINFORCING IN GRADE BEAMS AT MID SPAN. LAP BOTTOM REINFORCING IN GRADE BEAMS AT PIERS.

PROVIDE STANDARD BEND IN ALL TOP BARS AT END SPANS OF GRADE BEAMS.

3" FOR CONCRETE CAST AGAINST SOIL. 2" FOR CONCRETE EXPOSED TO WEATHER. 1-1/2" FOR TOP AND SIDE OF GRADE BEAMS NOT EXPOSED TO WEATHER.

SITE PREPARATION NOTES

MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE:

1. EXCAVATIONS SHALL CONFORM TO THE LINES AND GRADES SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. 2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION. CONTRACTOR SHALL EXERCISE CAUTION WHILE EXCAVATING TO AVOID DAMAGE TO UNDERGROUND UTILITIES. CONTRACTOR SHALL INFORM UTILITY OWNERS IN ADVANCE TO IDENTIFY, LOCATE, REROUTE OR MAKE OTHER ADJUSTMENTS IN ORDER FOR WORK TO PROCEED WITH MINIMUM DELAY. 3. ALL FOUNDATION EXCAVATIONS SHOULD BE PROPERLY MONITORED TO ENSURE THAT UNDESIRABLE (LOOSE) MATERIALS ARE REMOVED. 4. EXPOSED SOILS SHOULD BE PROTECTED AGAINST RAIN AND

EXCESSIVE DRYING. 5. SELECT FILL MATERIAL WITH A PI BELOW 25 SHOULD BE COMPACTED TO A DRY DENSITY OF 95% STANDARD PROCTOR (ASTM D 698), WITH A MOISTURE CONTENT OF 2% (+/-) OPTIMUM. 6. CLAY SOILS WITH A PI EQUAL TO OR GREATER THAN 25 SHOULD BE COMPACTED TO A DRY DENSITY OF 95% STANDARD PROCTOR (ASTM D 698), WITH A MOISTURE CONTENT OF 0% TO 4% ABOVE OPTIMUM AT TIME OF PLACEMENT.

7. COMPACTION OF FILL SHOULD BE ACCOMPLISHED WITH A MAXIMUM OF 8" LOOSE LIFTS. 8. FIELD DENSITY AND MOISTURE CONTENT TESTS ARE RECOMMENDED TO ENSURE ADEQUATE COMPACTION.

CONSTRUCTION NOTES

1. SITE, SUBGRADE, CONCRETE AND CURING SHALL CONFORM TO ACI 302 "RECOMMENDED PRACTICE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION." 2. SITE GRADING AND DRAINAGE AROUND FOUNDATION SHALL BE MAINTAINED AT ALL TIMES IN SUCH A MANNER THAT SURFACE WATER WILL NOT COLLECT AROUND SLAB. ADEQUATE POSITIVE DRAINAGE SHALL BE PROVIDED SLOPING AWAY FROM FOUNDATION WITH A MINIMUM SLOPE OF 2-5% (1/4-5/8 IN/FT) FOR A MINIMUM DISTANCE OF 5' -0" FROM FOUNDATION EDGE. 3. FINAL GRADES SHALL HAVE POSITIVE DRAINAGE (SLOPING

AWAY FROM SLAB). A MINIMUM OF 6" CLEARANCE BETWEEN TOP OF SLAB AND OR BRICK-LEDGE AND SOIL SURFACE SHALL BE MAINTAINED. 4. BEAM TRENCHES SHALL BE CLEAN PER PLAN. BEAM BOTTOMS SHALL BE FOUNDED IN AT LEAST 12" OF UNDISTURBED SOIL OR PROPERLY

COMPACTED FILL UNLESS PIERS HAVE BEEN SPECIFIED. 5. AT CONTRACTORS EXPENSE, A SAND CUSHION OR THIN LAYER OF SELECT FILL MAY BE USED AS TOP LAYER FOR PAD. EXISTING SOILS MAY BE USED AS LONG AS THEY PRESENT NO 6. A LAYER OF 6 MIL POLYETHYLENE WITH LAPPED JOINTS BETWEEN SAND/ EXISTING MATERIAL AND SLAB IS REQUIRED UNLESS INDICATED OTHERWISE. 7. SLAB REINFORCING BARS SHALL BE SUPPORTED BY CHAIRS SPACED AT A 4' MAXIMUM INTERVAL, AND TIED AT ALL INTERSECTIONS TO

PREVENT MOVEMENT DURING CONCRETE PLACEMENT.

8. CONSTRUCTION JOINTS ARE PROHIBITED UNLESS INDICATED OTHERWISE.

9. CONCRETE SHALL BE VIBRATED TO ENSURE CONSOLIDATION. 10. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

11. WHERE DISCREPANCIES BETWEEN FOUNDATION PLAN AND ARCHITECTURAL PLANS ARE NOTED, ARCHITECTURAL PLANS

12. COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL DRAWINGS FOR ALL OPENINGS, DROPS, INSERTS, SLOPES, BRICK-LEDGES AND RELATED ITEMS. 13. IF SOLID ROCK IS ENCOUNTERED DURING TRENCHING OF BEAMS,

BEAM DEPTH MAY BE REDUCED, BUT MUST MAINTAIN A MINIMUM OF 12" SOIL COVER UPON FINAL GRADE.

14. PLUMBING LINES SHALL NOT BE LOCATED ALONG SIDE OR IN BEAM TRENCHES.

15. SIDEWALKS AND DRIVES SHALL BE GRADED TO SLOPE AWAY FROM FOUNDATION TO ELIMINATE AND PREVENT PONDING OF WATER. 16. TREES AND SHRUBS SHOULD NOT BE LOCATED CLOSER TO FOUNDATION THAN A HORIZONTAL DISTANCE EQUAL TO ROUGHLY ONE - HALF THE MATURE HEIGHT OF TREE OR SHRUB

LIMITATIONS

UNLESS PIERS ARE SPECIFIED.

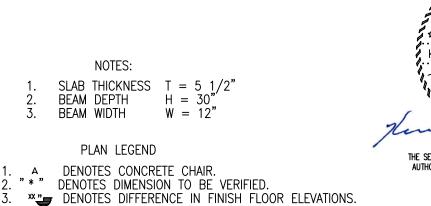
1. A PRE-POUR INSPECTION IS REQUIRED BY THE ENGINEER OF RECORD. 2. IN THE EVENT A SOILS REPORT FOR THE SPECIFIC TRACT OF LAND UPON WHICH THE PROPOSED STRUCTURE IS TO BE CONSTRUCTED IS PROVIDED, THE ENGINEER WILL RELY ON INFORMATION CONTAINED IN SAID SOILS REPORT IN DESIGNING PLANS AND SPECIFICATIONS. HOWEVER, THE ENGINEER DOES NOT ASSUME OR TAKE ANY RESPONSIBILITY WHATSOEVER FOR THE ACCURACY OF SAID SOILS REPORT, OR ANY INFORMATION CONTAINED THEREIN FOR WHICH THE ENGINEER MAY HAVE RELIED UPON TO DESIGN THE FOUNDATION FOR THE PROPOSED STRUCTURE. IF NO SOILS REPORT IS PROVIDED, THE ENGINEERED DESIGN WILL BE BASED SOLELY ON AVERAGE SOIL CONDITIONS IN GENERAL LOCATION OF PROPOSED CONSTRUCTION SITE. AS A RESULT, THE ENGINEER MAKES NO GUARANTEE, WARRANTY. OR REPRESENTATION AS TO THE ADEQUACY OF DESIGN FOR THE PARTICULAR TRACT OF LAND UPON WHICH THE CLIENT PROPOSES TO CONSTRUCT A STRUCTURE. RATHER THE ENGINEER WILL WARRANT THE DESIGN TO BE FREE OF DEFECTS IF CONSTRUCTED UPON SOIL SUBSTANTIALLY SIMILAR IN ALL RESPECTS TO AVERAGE SOIL CONDITIONS FOR THE AREA.

3. MOISTURE CONTENT OF SOILS LOCATED AT JOBSITE ARE ANTICIPATED TO FLUCTUATE SEASONALLY DEPENDING ON AMOUNT OF RAINFALL/WEATHER PATTERNS, SURFACE DRAINAGE AND SUBSURFACE DRAINAGE CHARACTERISTICS. 4. FOR FOUNDATION TO PERFORM AS DESIGNED OWNER MUST

ENSURE THAT SOIL MOISTURE CONTENT IS MAINTAINED AT A CONSTANT LEVEL SURROUNDING FOUNDATION. DO NOT ALLOW SOIL TO DRY OUT TO A POINT WHERE THE SOIL CRACKS OR PULLS AWAY FROM FOUNDATION. 5. TO REDUCE CRACKING IN FOUNDATION, ADEQUATE POSITIVE DRAINAGE SHALL BE PROVIDED SLOPING AWAY FROM THE

FOUNDATION WITH A MINIMUM SLOPE OF 2%.

THIS FOUNDATION DESIGN IS APPLICABLE TO THE SPECIFIC PROJECT AND LOCATION LISTED ON THIS SHEET. USE OF THIS DRAWING FOR OTHER PROJECTS AND/OR LOCATIONS IS





THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY KENNETH L. DOUGLASS, P.E. 80870 ON 10/31/2013

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10/29/2010

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IDE, IN FOUNDATION FOR ENGINEERED FOR: ICK RE: DESIGN

WESTWOOD

7928

SCALE: 3/16"=1'-0'