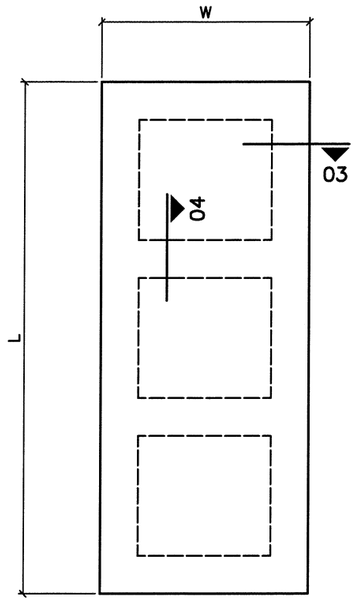
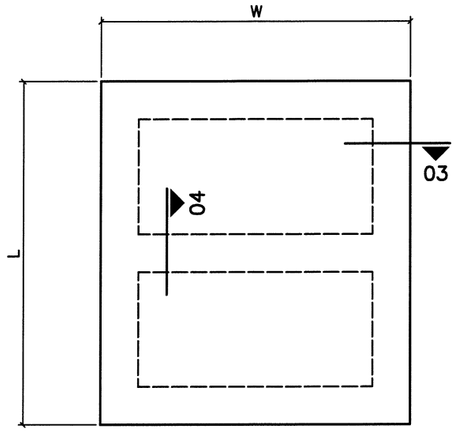


GENSET FOUNDATION

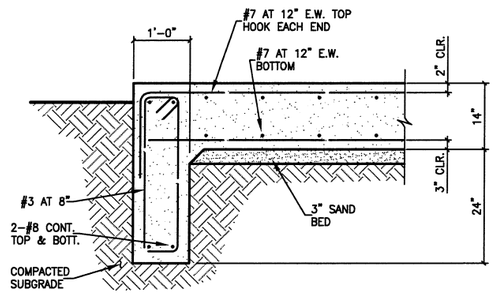
01 FOUNDATION PLAN
NOT TO SCALE



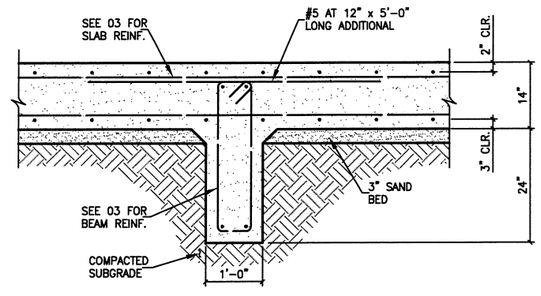
ELECTRICAL FOUNDATION

02 FOUNDATION PLAN
NOT TO SCALE

COORDINATE ANCHOR BOLT REQUIREMENTS (SIZE, LENGTH, LOCATION, ETC.) WITH EQUIPMENT MANUFACTURER. REPORT ANY CONFLICTS TO ENGINEER.



03 TYPICAL SECTION
NOT TO SCALE



04 TYPICAL SECTION
NOT TO SCALE

This record drawing is a compilation of the sealed engineering drawing for this project; modified by addenda, change orders and information furnished by the contractor. The information shown on the record drawings that was provided by the contractor or others not associated with the design engineer cannot be verified for accuracy or completeness. This original sealed drawings are on file at the offices of Birkhoff, Hendricks & Carter, L.L.P.

BY PAC *DATE* 03/06/12

GENERAL NOTES

CAST-IN-PLACE CONCRETE

1. CONCRETE PROPORTIONING, MIXING, TRANSPORTING, PLACING, AND CURING SHALL BE PER ACI 301.
2. U.N.O. CONCRETE SURFACES SHALL CONFORM TO TOLERANCE LIMITS PER ACI 117.
3. CONCRETE SHALL HAVE SAND, COARSE AGGREGATES PER ASTM C-33 OR C-330 AS SCHEDULED, TYPE I OR III PORTLAND CEMENT PER ASTM C-150, AND SHALL COMPLY WITH THE FOLLOWING:

USAGE	28 DAY STRENGTH	COARSE AGGR.	MAX. AGGR. SIZE	SLUMP IN.
GRADE BEAMS AND SLAB	4200 P.S.I.	ASTM C33	1"	4 ± 1

4. CONCRETE PROTECTION FOR REINFORCEMENT, INCLUDING PRIMARY, STIRRUPS, TIES, ETC. SHALL BE AS NOTED BELOW, OR PER ACI 318 FOR CONDITIONS NOT NOTED:

CONDITION	FOR CARBONATE, LIGHTWEIGHT AND SAND LIGHTWEIGHT AGGREGATES	FOR SILICEOUS AGGREGATES
CONCRETE PLACED AGAINST SOIL	3 INCHES	3 INCHES
GRADE BEAMS (FORMED)	3 INCHES BOTTOM	3 INCHES BOTTOM
	2 INCHES SIDES	2 INCHES SIDE
	2 INCHES TOP	2 INCHES TOP

5. PROVIDE ADEQUATE MEANS OF CHAIRING AND ACCESSORY STEEL AS REQUIRED TO SECURE POSITION OF REINFORCEMENT.
6. PROVIDE 3/4" CHAMFERS AT EXPOSED EDGES OF CONCRETE.
7. PROVIDE ALL RECESSES, DEPRESSIONS, SLOPES, CURBS, SLEEVES, OPENINGS, CONDUIT AND EMBEDDED ITEMS AS REQUIRED BY ALL DRAWINGS AND SPECIFICATIONS.
8. TOP OF FOUNDATION ELEVATIONS SHALL BE 6-INCHES ABOVE NATURAL GROUND.
9. PLAN DIMENSIONS OF GENSET FOUNDATIONS SHALL EXTEND 6" BEYOND LIMITS OF GENSET.
10. PLAN DIMENSIONS OF ELECTRICAL FOUNDATION SHALL BE PER ELECTRICAL PLANS AND SPECIFICATIONS.

CONCRETE REINFORCING

1. ALL CONCRETE REINFORCEMENT SHALL BE DOMESTIC MANUFACTURED AND SHALL CONFORM TO ASTM A-615, GRADE 60, U.N.O. FIELD BENT DOWELS SHALL CONFORM TO ASTM A-615 GRADE 40.
2. DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE PER ACI 315.
3. REINFORCING BARS MAY BE SPLICED ONLY AS SHOWN ON THE DRAWINGS EXCEPT THAT REINFORCING DESIGNATED AS "CONTINUOUS" MAY BE LAP SPLICED 36 BAR DIAMETERS. LAP SPLICES OF CONTINUOUS REINFORCEMENT IN BEAMS SHALL BE MADE OVER THE SUPPORT FOR BOTTOM BARS AND AT MID-SPAN FOR TOP BARS.

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STATE OF TEXAS
PAUL A. CARLINE
85400
LICENSED
PROFESSIONAL ENGINEER

5/28/10

CITY OF ROCKWALL, TEXAS
SQUABBLE CREEK LIFT STATION
FOUNDATION DETAILS

BHC PROJECT NO. 2007-110

MAY 2010

SHEET NO. 12

REVISED: 5/27/10 – Wayne Hays

H:\Projects\Rockwall\2007110 Lift Station\Sheets\2007110 LS Foundations.dwg

PLOT SCALE: 1:2 PLOT STYLE: 11x17.ctb PLOTTED BY: RLowe ON 3/6/2012