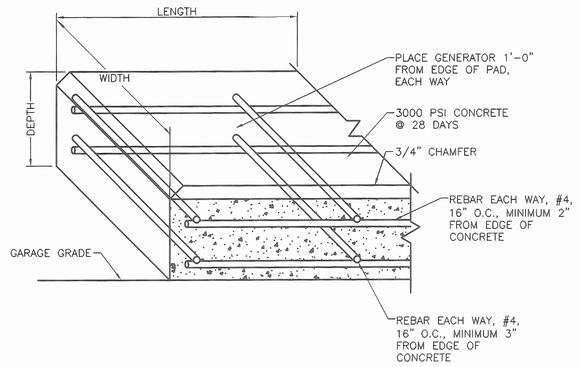
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0361-01	2010	168	169

LENGTH = LENGTH OF GENERATOR + 2'-0"
WIDTH = WIDTH OF GENERATOR + 2'-0"
DEPTH = DEPTH BY FORMULA BELOW (1'-0" MINIMUM)

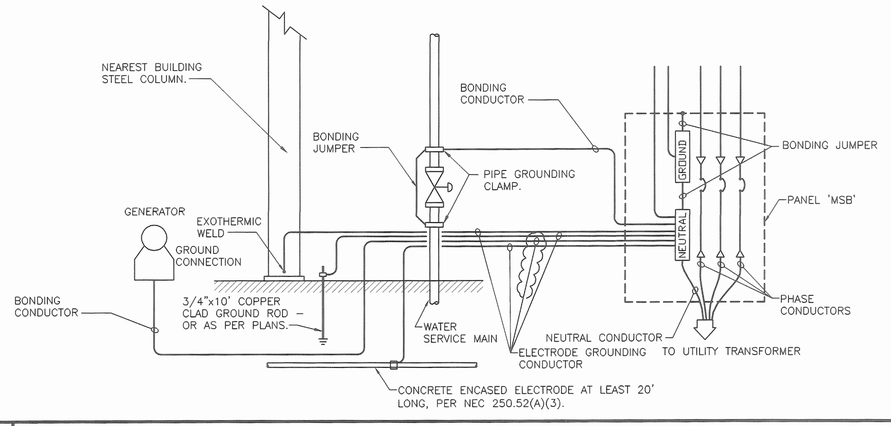
$$FD = \frac{W}{D \times B \times L}$$

FD = FOUNDATION DEPTH (FT)
W = TOTAL WET WEIGHT OF GENERATOR (LB)
D = DENSITY OF CONCRETE (LB/FT^3)
B = FOUNDATION WIDTH (FT)
L = FOUNDATION LENGTH (FT)

NOTES:
1. BLOCKOUT FOR CONDUIT ENTRY IN PAD WITH REBAR WRAP AROUND THE ENTIRE BLOCKOUT WITH A MINIMUM OF 4" FROM ANY STEEL TO EDGE OF CONCRETE.



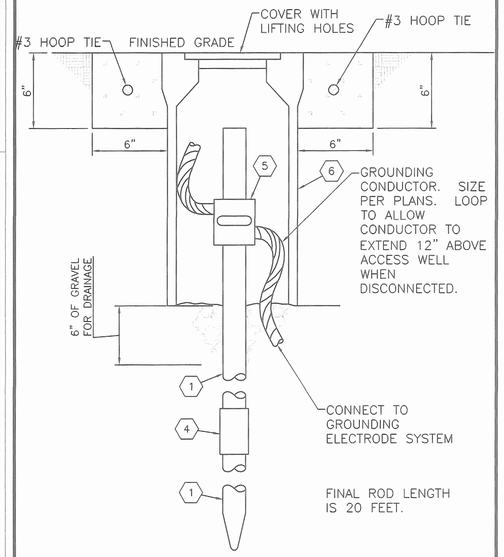
1 NO SCALE — GENERATOR PAD DETAIL



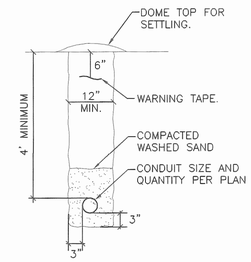
2 NO SCALE — SERVICE GROUND DETAIL WITH GENERATOR

GROUNDING EQUIPMENT SCHEDULE

SYM	#	DESCRIPTION
1	2	SECTIONAL GROUND ROD, COPPER CLAD, 3/4"øX10', HARGER #3410.
	1	DRIVING STUD, FOR 3/4"ø COUPLERS, HARGER #317. NOT SHOWN AS IT IS REMOVED ONCE ROD IS FULLY INSERTED.
4	1	GROUND ROD COUPLER, FOR 3/4"ø SECTIONALS, HARGER #312.
5	1	WIRE CONNECTION TO GROUND ROD – DETACHABLE SO GROUND ROD CAN BE DISCONNECTED AND TESTED. SINGLE WIRE OR THROUGH WIRE IS BLACKBURN # GUV5825 OR HARGER # 305.
6	1	ACCESS WELL, REINFORCED CONCRETE, LOCKING GRADE RING WITH TELESCOPING EXTENSIONS, COVER WITH LIFTING HOLES, RATED FOR H20 TRAFFIC 20,000 LBS, HARGER #362 PBG.



3 NO SCALE — GROUND ROD DETAIL



4 NO SCALE — TYPICAL TRENCH TRENCH CROSS SECTION

MKEC ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

LINCOLN STREET BRIDGE AND DAM IMPROVEMENTS OVER ARKANSAS RIVER

ELECTRICAL DETAILS

SHEET TITLE

472-84883
PROJECT NUMBER

DESIGN BY
DRAWN BY
CHECKED BY

ISSUED 9/27/2010
REVISED

SHEET NO. 168 of 169

PLOTTED: Thursday, November 18, 2010 @ 09:51AM
J:\CIVIL\07433\DWG\ELEC\ELEC DETAILS.DWG