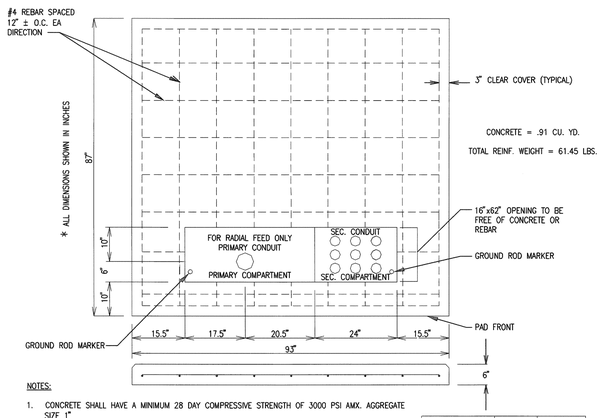


NOTES:

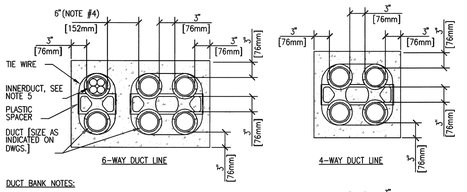
1. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI AMX. AGGREGATE SIZE 1"
2. STEEL REINFORCING BARS ARE TO BE INTERMEDIATE GRADE BILLET STEEL BARS WITH 40,000 PSI MINIMUM YIELD STRENGTH, CONFORMING TO A.S.T.M. A615 GRADE 40.
3. CONCRETE SHALL MEET ALL THE REQUIREMENTS OF A CLASS A (3000 PSI) STRUCTURAL CONCRETE OF THE S.C. HWY DEPT. SPECIFICATIONS. COARSE AGGREGATE SHALL BE EITHER CRUSHED GRANITE OR RIVER GRAVEL. LIMESTONE AGGREGATE IS NOT ACCEPTABLE. CONCRETE MATERIALS, BATCHING, HAULING HANDLING, PLACING, ETC, SHALL BE ACCORDING TO SECTION 701, PORTLAND CEMENT FOR STRUCTURES OF THE S.C. HWY. DEPT. SPECIFICATIONS. AIR ENTAINMENT SHALL BE 4%-8%.
4. PROVIDE MINIMUM CLEARANCE FROM EDGE OF PAD TO ANY BUILDING, PROPERTY LINE, WALL, OR ANY OTHER OBSTRUCTION IN ACCORDANCE WITH DWG TUG-1-SHT. 3
5. FINAL LOCATION OF CONCRETE PAD AND FORM TO BE SPOTTED AND INSPECTED BY SCE&G COMPANY REPRESENTATIVE BEFORE CONCRETE IS POURED.
6. IF LOCATION IS SUBJECT TO FLOODING, PAD SHALL BE ELEVATED ABOVE WATER LEVEL.
7. LOCATION MUST HAVE HEAVY TRUCK ACCESS NOT MORE THAN 1' FROM PAD.
8. ALL CONDUITS TO EXTEND 1' ABOVE TOP OF PAD. GROUNDINGBUSHINGS REQUIRED FOR ALL METAL CONDUIT'S.
9. PAS MUST SUPPORT TRANSFORMER WEIGHT AS SHOWN ON CHART ON RIGHT. OF SOIL CONDITIONS WILL NOT WITHSTAND WEGHT PER SQ. FT. AS SHOWN IN TABLE, AREA OF PAS MUST BE INCREASED OR PILING INSTALLED TO MEET TRANSFORMER REQUIREMENTS.
10. CUSTOMER TO MARK LOCATION FOR GROUND ROD WITH 1/2" TO 3/4" CONDUIT (1 FT. STICK) IN PRIMARY AND SECONDARY COMPARTMENTS. THIS LOCATION TO BE FREE OF ANY CONDUIT AT OR BELOW SURFACES.

TRANSF. SIZE KVA	TRANSF. WEIGHT IN LBS.	WEIGHT PER FT2 IN LBS.
150-225	5000	150
300-500	12000	400
750-1000	18000	300
1500-2500	23000	500

MAXIMUM NUMBER OF CONDUCTORS PER PHASE THAT CAN BE PLACED IN SEC. COMPARTMENT.								
TRANSF. SIZE KVA	SECONDARY VOLTAGE		TRANSF. SIZE KVA	SECONDARY VOLTAGE		TRANSF. SIZE KVA	SECONDARY VOLTAGE	
	208Y/120	480Y/277		208Y/120	480Y/277		208Y/120	480Y/277
150	8	8	750	16	10	2500	–	18
225	8	8	1000	–	10	–	–	–
300	10	8	1500	–	14	–	–	–
500	12	10	2000	–	16	–	–	–

D1 SCE&G CONCRETE PAD FOR RADIAL FEED PAD-MOUNTED TRANSFORMER DETAIL

SCALE: NONE



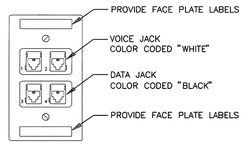
DUCT BANK NOTES:

1. CONCRETE SHALL BE 2000 P.S.I. @ 28 DAYS, OR AS SPECIFIED.
2. PROVIDE REINFORCING RODS ON TOP AND BOTTOM OF DUCTS WHEN CROSSING OR PLACED IN ROADWAYS.
3. MINIMUM COVER TO TOP OF ENVELOPE SHALL BE 24" [610mm].
4. PROVIDE MINIMUM 6" [152mm] SPACE BETWEEN POWER AND TELECOMMUNICATION DUCTS. INCREASE SIZE AS REQUIRED.
5. INNERDUCT QUANTITY AND SIZE AS INDICATED ON PLANS.

B4 DUCT BANK DETAILS

SCALE: NONE

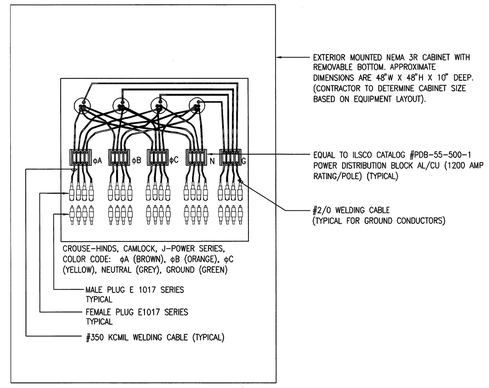
VA CAD DETAIL #: SD260541-02.DWG



D2 TYPICAL VOICE/DATA OUTLET DIAGRAM

SCALE: NONE

EACH COMBINATION VOICE/DATA OUTLET SHALL HAVE THE FOLLOWING. VOICE: (1) 4 PAIR ON A WHITE 6 PIN JACK (HUBBELL 233329), (TOTAL OF 2, MOUNTED AT TOP POSITION OF FACE PLATE). DATA: (2) 4 PAIR 24AWG BLUE NON PLENUM CAT 5E CABLES, EACH CABLE SHALL TERMINATE TO A BLACK JACK (HUBBELL 233418), (TOTAL OF 2, MOUNTED IN BOTTOM POSITION OF FACE PLATE). FACE PLATES SHALL BE IVORY, (HUBBELL 233445). CABLES SHALL BE TERMINATED PER 568A.



C7 PORTABLE GENERATOR CONNECTION DETAIL

SCALE: NONE

100% CONSTRUCTION DOCUMENTS

REVISION NO.	REVISION DESCRIPTION		

Revisions | By | Date

Department of Veterans Affairs
William Jennings Bryan Dorn
VA Medical Center
6439 Garners Ferry Road
Columbia, SC 29209

SEAL

Architect/Engineer Address

Harrell, Saltrick & Hopper

Design & Management Solutions for the Built Environment
8016 TOWER POINT DRIVE
CHARLOTTE, NC 28227
P 704.814.1320
F 704.321.0833
WWW.HSHPC.COM

HSH PROJECT # 11015

Recommended Approvals:	
1. MEDICAL DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COTR

Drawing Title: ELECTRICAL DETAILS

* BUILDING IS FULLY SPRINKLERED *

Project Title: REPLACE BOILER PLANT/ COGEN/CHP

Drawn: WAO | Building Number: 21 | AutoCAD File Name | Checked | Reviewed | Const. Contract No.

Date: APRIL 30, 2012

Project Number: 544-11-101

DRAWING No.: E503

Veterans Affairs