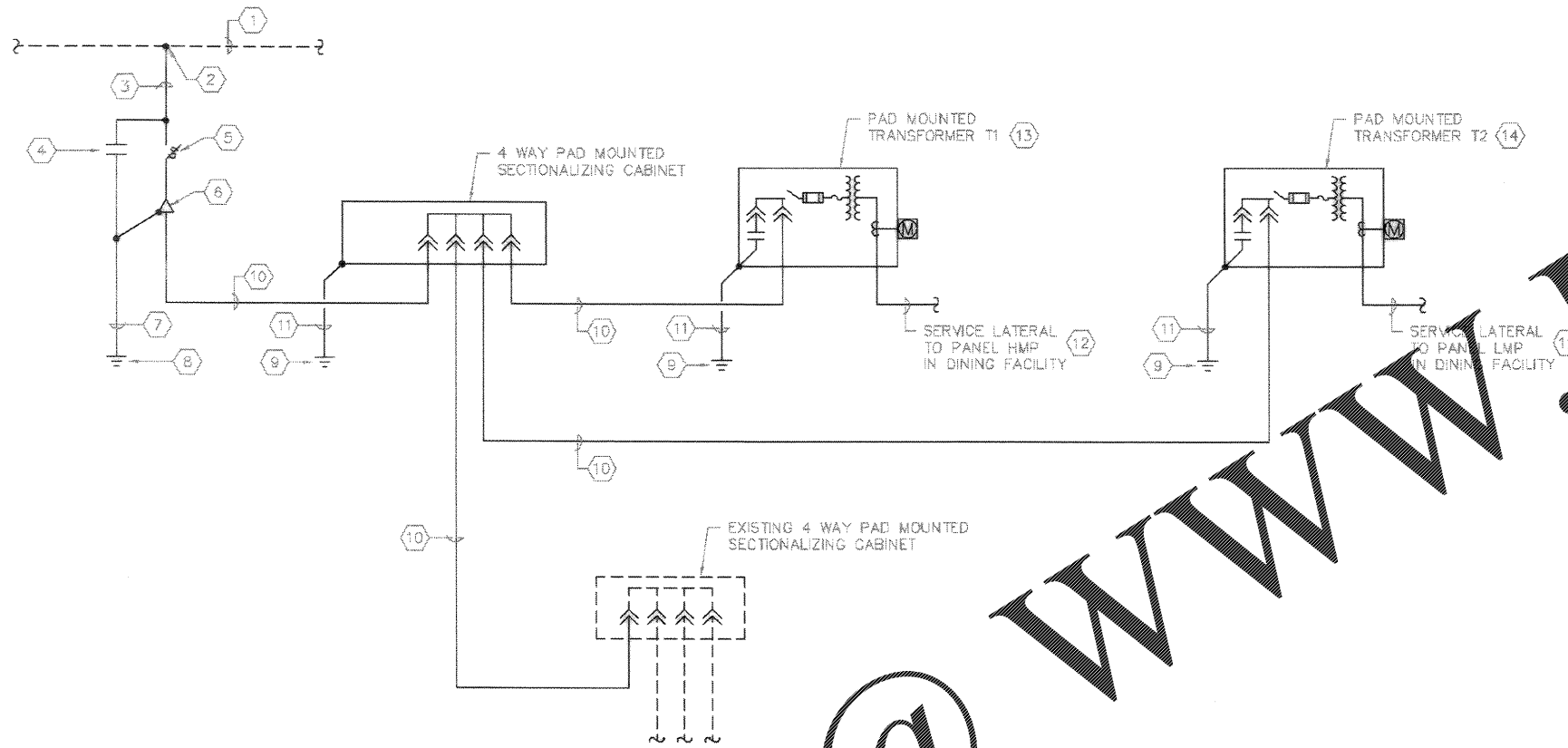


Order Plans @



PRIMARY SINGLE-LINE (BASE BID)

SCALE: N/A

KEYED NOTES (THIS SHEET ONLY)

- ① EXISTING 12.47KV OVERHEAD PRIMARY (ASSUME 3#1/0 COPPER).
- ② COMPRESSION CONNECTORS
- ③ #2 BARE COPPER JUMPER.
- ④ 9KV LIGHTNING ARRESTERS.
- ⑤ 15KV 200A FUSED CUTOUT WITH 200 AMP FUSES.
- ⑥ 15KV CABLE TERMINATIONS.
- ⑦ #2 BARE COPPER GROUND.
- ⑧ GROUND ROD.
- ⑨ GROUND GLE.
- ⑩ 3-#1/0 #2/0 COPPER 15KV CABLE AND 1#2/0, 600V NEUTRAL.
- ⑪ #1/0 WHITE COPPER GROUND.
- ⑫ SERVICE LATERAL (SEE BUILDING SINGLE-LINE)
- ⑬ PAD MOUNTED TRANSFORMER T1 SHALL BE 500KVA, 3Ø, 12470 GRD Y/7200V PRIMARY TO 480Y/277V SECONDARY, GROUNDED WYE - GROUNDED WYE CONNECTION, 3.86% MINIMUM IMPEDANCE, 2-2 1/2% TAPS ABOVE NORMAL AND 2-2 1/2% TAPS BELOW NORMAL, RADIAL FEED LOAD BREAK SWITCH AND HAVE 9KV ARRESTERS. PROVIDE CONCRETE PAD PER DETAILS.
- ⑭ PAD MOUNTED TRANSFORMER T2 SHALL BE 150KVA, 3Ø, 12470 GRD Y/7200V PRIMARY TO 208Y/120V SECONDARY, GROUNDED WYE - GROUNDED WYE CONNECTION, 2.7% MINIMUM IMPEDANCE, 2-2 1/2% TAPS ABOVE NORMAL AND 2-2 1/2% TAPS BELOW NORMAL, RADIAL FEED LOAD BREAK SWITCH AND HAVE 9KV ARRESTERS. PROVIDE CONCRETE PAD PER DETAILS.

Click/Boehm & Associates, Inc.  
247 Meeting Street  
Charleston, S.C. 29401  
7-8377

Rev.	Description	Prep By	Date	Appr.
1	AS-BUILT DRAWING. NO CORRECTIONS	ALM	5/14/14	RAH

CHARLESTON AIR FORCE BASE CHARLESTON, SOUTH CAROLINA  
DINING FACILITY  
PRIMARY SINGLE-LINE (BASE BID)  
APPROVED: [Signature] DATE: 5/14/14 ETD FOR COMMANDER, USAF

Naval Facilities Engineering Command  
Southern Division  
Charleston, South Carolina



RECORD DRAWING DATE	9/3/14
CODE LB. NO. B0101	
DRAWING SIZE:	D
SPEC. NO. D6-88-09.06	
CONSTN. CONTR. NO. NO.047-88-C-0039	
NAVFAC DRAWING NO. 5355011	
SHEET 188 OF 194	

E-601