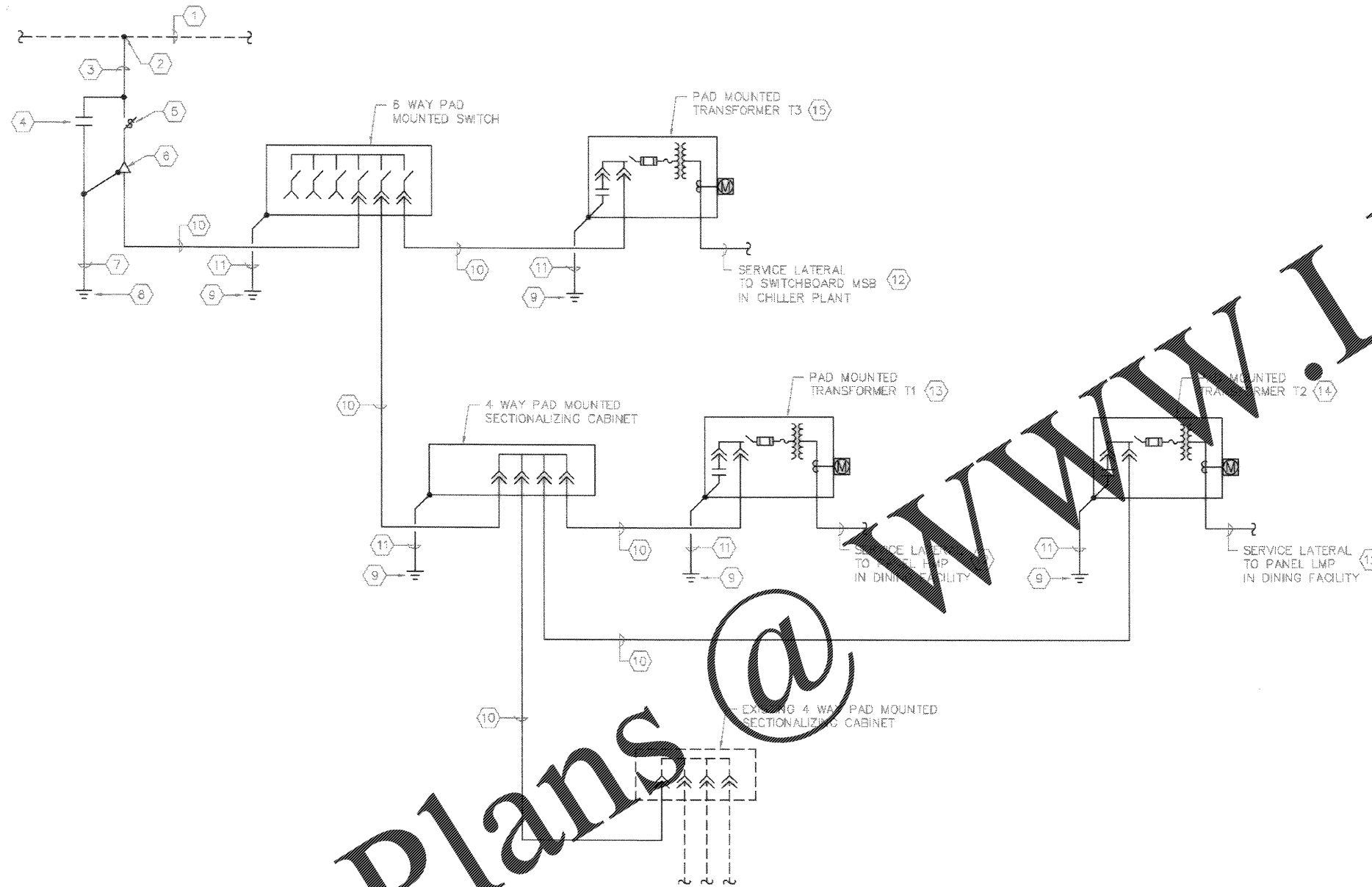


**KEYED NOTES (THIS SHEET ONLY)**

- 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 CUTOFF WITH 200 AMP USES.
- 6 15KV CABLE TERMINATIONS.
- 7 #2 BARE COPPER GROUND
- 8 GROUND
- 9 GROUND GIRTS
- 10 3-1/2" #2/0 COPPER 15KV CABLE AND 1#2/0, 600V NEUTRAL.
- 11 #2 BARE COPPER GROUND.
- 12 SERVICE LATERAL (SEE BUILDING SINGLE-LINE)
- 13 PAD MOUNTED TRANSFORMER T1 SHALL BE 300KVA, 3 $\phi$ , 12470 GRD Y/7200V PRIMARY TO 480Y/277V SECONDARY, GROUNDED WYE - GROUNDED WYE CONNECTION, 4.0% 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, 3 $\phi$ , 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.
- 15 PAD MOUNTED TRANSFORMER T3 SHALL BE 500KVA, 3 $\phi$ , 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.



**PRIMARY SINGLE-LINE (CHILLER PLANT REPLACEMENT OPTION)**

SCALE: NGNE

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RECORD DRAWING DATE	9/27/04
CODE I.D. NO.	80091
DRAWING SIZE	D
SPEC. NO.	D6-BB-0838
CONSTR. CONTR. NO.	N62487-98-C-0839
NAVFAC DRAWING NO.	6358013
SHEET 188 OF	194

E-603

DATE	DATE	DATE	DATE
BY	BY	BY	BY
CHKD	CHKD	CHKD	CHKD
APP'D	APP'D	APP'D	APP'D

DESCRIPTION	DATE	BY
1 AS-BUILT DWG. NO CORRECTIONS	1/17/04	LD

APPROVED	RD	DATE	01/14/04
FOR COMMANDER	NAVFAC		

Naval Facilities Engineering Command  
Southern Division  
Charleston, South Carolina

CHARLESTON AIR FORCE BASE  
CHARLESTON, SOUTH CAROLINA  
DINING FACILITY  
PRIMARY SINGLE-LINE (BID OPTION)