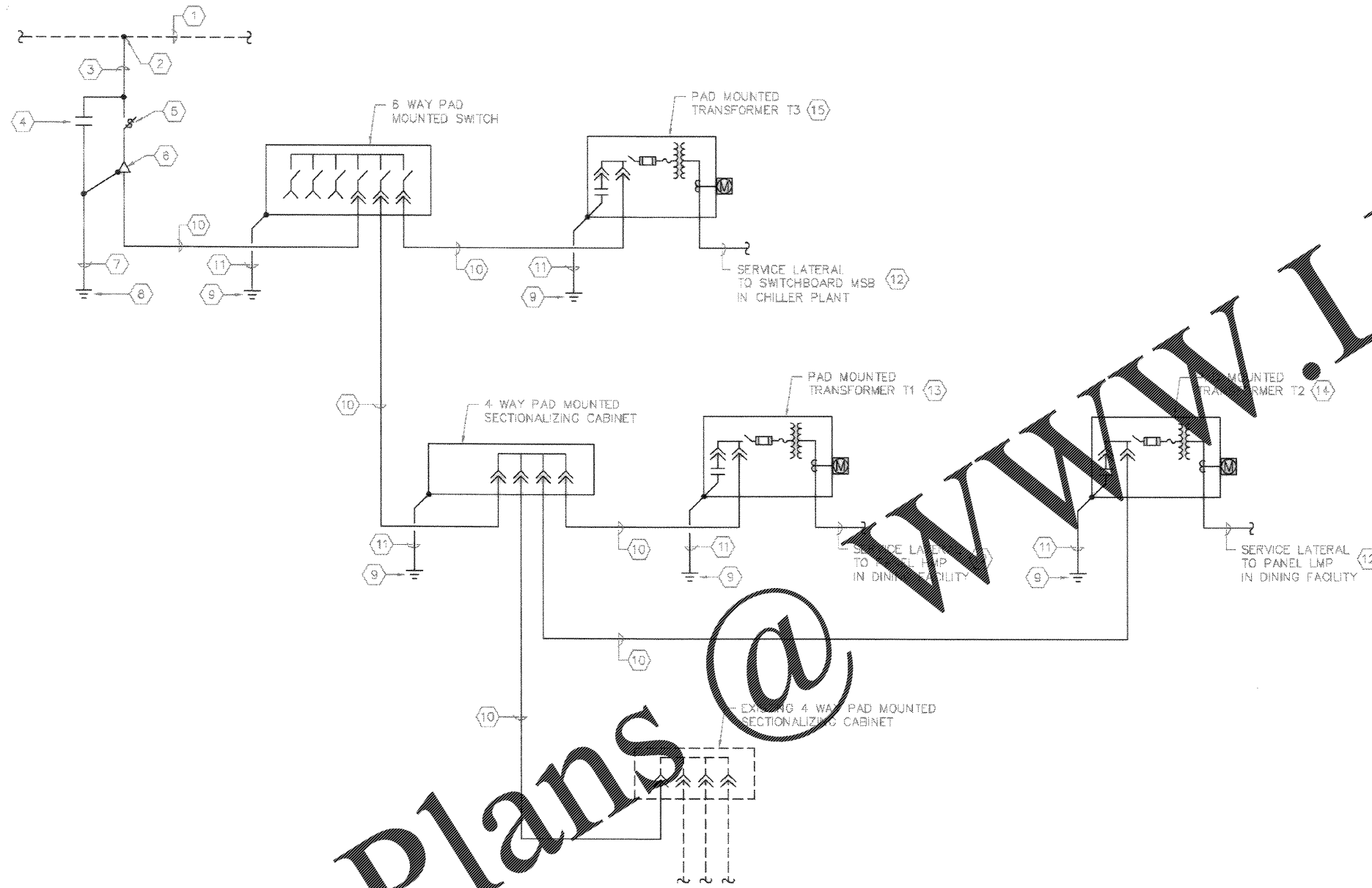


KEYED NOTES (THIS SHEET ONLY)

- 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 GROUNDING
- 9 GROUND GIRDERS
- 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 ϕ , 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 ϕ , 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 ϕ , 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

Glick/Borbits & Associates, Inc.
1777 Redwing Road
Charleston, S.C. 29405
Phone: (803) 737-6377
Fax: (803) 737-6377

Rev.	By	Date	Description
1	AS-BUILT	10/27/04	NO CORRECTIONS

APPROVED BY: [Signature]
SUBMITTED BY: [Signature]
DATE: [Signature]

DRAWING REVISIONS

Rev.	By	Date	Description
1	AS-BUILT	10/27/04	NO CORRECTIONS

CHARLESTON AIR FORCE BASE CHARLESTON, SOUTH CAROLINA
DINING FACILITY
PRIMARY SINGLE-LINE (BID OPTION)
APPROVED BY: [Signature] DATE: [Signature] FOR COMMANDER, NAWAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina



RECORD DRAWING DATE	9/27/04
CODE I.D. NO.	80091
DRAWING SIZE	D
SPEC. NO.	D6-88-0836
CONSTR. CONTR. NO.	N62467-98-C-0839
NAVFAC DRAWING NO.	6356013
SHEET 188 OF 194	E-603

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