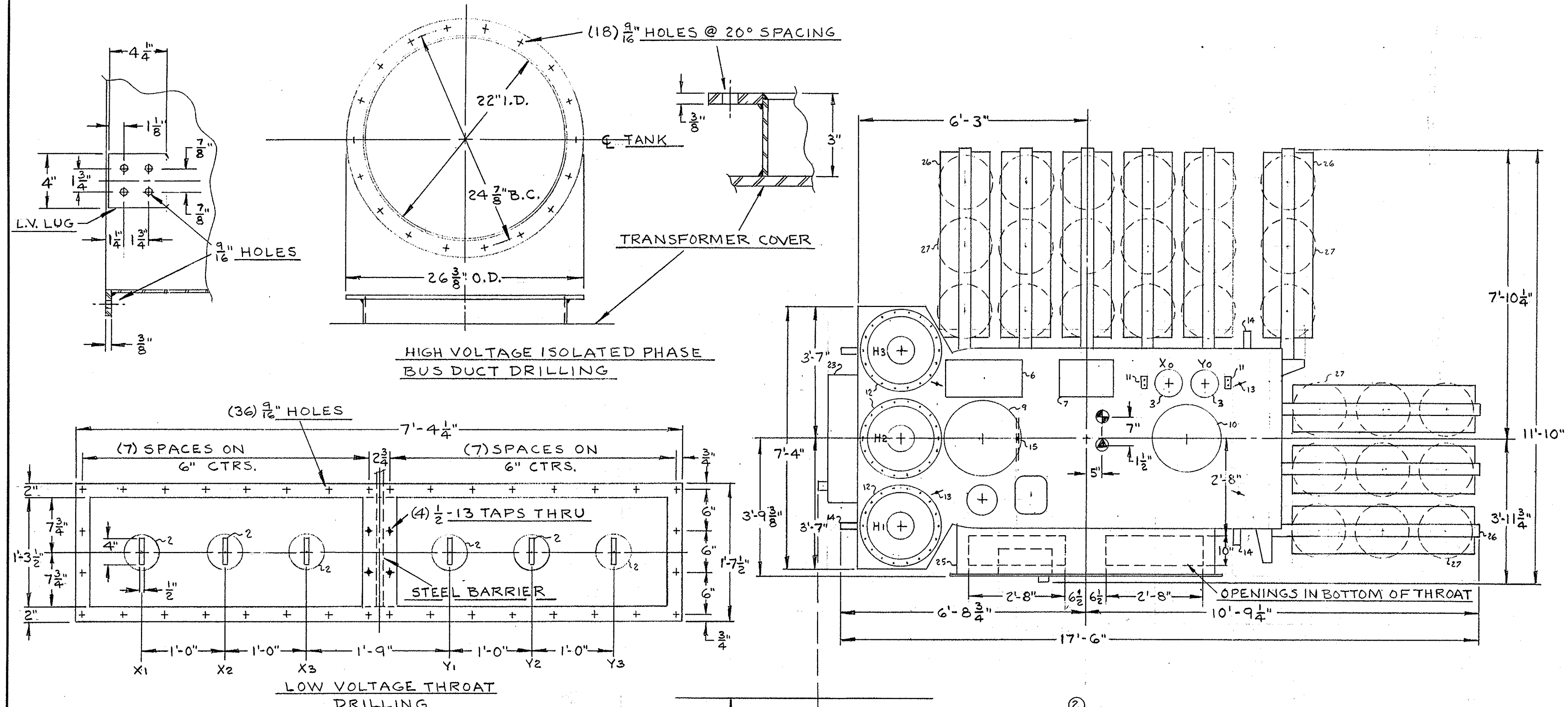




- LEGEND**
- * 1.-H.V. BUSHINGS (3) OHIO BRASS 25 KV.-1200 AMP CAT. 225226-5580
 - * 2.-L.V. BUSHINGS (6) OHIO BRASS 15 KV.-2000 AMP CAT. 048410-5500
 - * 3.-L.V.N. BUSHINGS (2) OHIO BRASS 15 KV.-1200 AMP CAT. 048450-5500
 - 4.-RELIEF VENT OUTDOOR (RECLUSING TYPE) WITH ALARM & SEMAPHORE.
 - 5.-WESTINGHOUSE SUDDEN PRESSURE RELAY.
 - 6.-OUTLET BOX FOR H.V. BUSHING CURRENT TRANSFORMER LEADS.
 - 7.-OUTLET BOX FOR L.V.N. BUSHING CURRENT TRANSFORMER LEADS.
 - 8.-OUTLET BOX FOR L.V. BUSHING CURRENT TRANSFORMER LEADS.
 - 9.-MANHOLE 21" I.D.
 - 10.-MANHOLE 18" I.D.
 - 11.-GROUND PADS (2) FOR L.V.N. BUSHINGS.
 - 12.-H.V. BUS DUCT FLANGES. (SEE DETAIL).
 - 13.-LIFTING EYES (4) FOR COVER ONLY.
 - 14.-LIFTING HOOKS (4) FOR LIFTING COMPLETE UNIT.
 - 15.-CORE GROUND $\frac{1}{2}$ -13 TAPPED HOLE IN COVER BRACE.
 - 16.-1" TOP FILTER VALVE BAFFLED & PLUGGED.
 - 17.-MAGNETIC LIQUID LEVEL GAGE WITH ALARM CONTACTS.
 - 18.-TAP CHANGER OPERATING WHEEL. (DENERGIZED OPERATION).
 - 19.-WINDING TEMPERATURE RELAY (2) & INDICATOR WITH ALARM CONTACTS.
 - 20.-LIQUID TEMPERATURE GAGE WITH ALARM CONTACTS.
 - 21.-WINDING TEMPERATURE CONTROL WELLS (2).
 - 22.-LIQUID TEMPERATURE CONTROL WELL.
 - 23.-FAN CONTROL CABINET. (DOOR SWING 3'-5")
 - 24.-DIAGRAM NAMEPLATE DWG. 4A-5011.
 - 25.-L.V. THROAT (SEE DETAIL) FOR DUAL L.V. WITH METAL BARRIER BETWEEN.
 - 26.-RADIATORS (9) REMOVABLE WITH VALVES, VENTS AND DRAINS.
 - 27.-COOLING FANS (27) $\frac{1}{2}$ H.P. - 115 VOLT - 1 PHASE - 60 HERTZ CONTROLLED BY WINDING TEMPERATURE.
 - 28.-INERT GAS EQUIPMENT CABINET. (DOOR SWING 1'-5 $\frac{1}{2}$ ")
 - 28a.-GAS INLET CONNECTION.
 - 28b.-GAS OUTLET CONNECTION.
 - 29.-JACK LUGS (4) WITH PULLING EYES FOR PULLING TRANSFORMER IN ANY DIRECTION.
 - 30.-2" DRAIN VALVE WITH SAMPLER & PLUGGED, COMPLETE DRAIN.
 - 31.-GROUNDING PADS (2) FOR TANK.
 - 32.-WESTINGHOUSE COMBUSTIBLE LIMIT RELAY ASSEMBLY MODEL "CLR" 115VOLT.
 - 33.-ISOLATING VALVE.

NOTES

- 1.-OPERATING PRESSURE $\frac{3}{4}$ TO 8 P.S.I. POSITIVE.
- 2.-LIQUID LEVEL CHANGES .940" PER 10°C. CHANGE IN LIQUID TEMPERATURE.
- 3.-DISTANCE FROM HIGHEST POINT OF MANHOLE FLANGE SURFACE TO 25°C. LIQUID LEVEL 11 $\frac{1}{4}$ ".
- 4.-2185 GALLONS OF OIL REQUIRED TO COVER CORE & COILS WITH RADIATOR VALVES OPEN.
- 5.-OIL RETAINING GASKETS IN METAL TO METAL STOPS.
- 6.-BASE SUITABLE FOR ROLLING OR SKIDDING IN ANY DIRECTION.
- 7.-SHIP NITROGEN FILLED. SHIPPING WEIGHT = 67575 LBS.
- 8.-TANK IS DESIGNED TO WITHSTAND FULL VACUUM.
- 9.-MAIN COVER IS WELDED TO TOP RIM OF TANK.
- 10.-⊙ DENOTES CENTER OF GRAVITY COMPLETE UNIT.
- 11.-⊙ DENOTES CENTER OF GRAVITY AS SHIPPED.
- 12.-ALL EXTERIOR WIRING TO BE WATERTITE OKOPRENE TYPE-"RR" EXCEPT FOR C.T. IN CONDUIT.
- 13.-REMOVE ITEMS 1-3-5-26-27 & OIL FOR SHIPPING.
- * 14.-INTERNAL LEAD TERMINALS: (H.V. 400 MCM BARE COPPER) L.V. (2) 300 MCM BARE CABLE-BRAZED TO COPPER LUG-(L.V.N. (1) 400 MCM EA. BARE CABLE BRAZED TO COPPER LUG.)

BUSHING CURRENT TRANSFORMERS							
LOCATION	H ₁ H ₂ H ₃	H ₁ H ₂ H ₃	X ₀	Y ₀	X ₂	Y ₂	
RATIO	1200:5	30000:5	1200:5	1200:5	WINDING	WINDING	
ACC. CLASS	C400	C800	C400	C400	TEMP.	TEMP.	
QUANTITY	2	1	2	2	1	1	
FURN. OR PROV.	FURN.	FURN.	FURN.	FURN.	FURN.	FURN.	
REFERENCE DRAWINGS							
WIRING DIAGRAM	4E5854	H.V. 1-1/2-12-2 1/8" USABLE	L.V. 2-1/2-12-2 1/8" USABLE				
SHIPPING	4B5857	3" USABLE	L.V.N. 1-1/2-12-2 3/4" USABLE				
24000/26880 K.V.A. CONTINUOUS SELF-COOLED 3PH. 60HZ.							
32000/35840 K.V.A. CONTINUOUS FORCED AIR COOLED							
40000/44800 K.V.A. CONTINUOUS FORCED AIR COOLED							
65°C. RISE BY RESISTANCE 80°C. HOT SPOT RISE							
H.V. 25000 TAPS: 26250/25625/24375/23750 B.I.L. 150							
L.V. 7200Y/4160 - 50% RATED K.V.A. B.I.L. 95							
T.V. 7200Y/4160 - 50% RATED K.V.A. B.I.L. 95							
CUSTOMER: VIRGINIA ELECTRIC POWER CO. (BROWN & ROOT AGENT)							
S.O. 260531 DES. W0730 C.O. 35-1163-101 TANK 50.120.140							

REV. #2 - ADDED ITEMS 32 & 33 AND INCREASED OVERALL DIM. DUE TO FAN CONTROL CABINET SIZE CHANGE - 10/19/72 - G.L.S.

REV. #3 - OUTLET BOX ON WALL CHANGED & CLR HOOK-UP CHANGED TO OUTLET LINE ONLY - 1/12/73 - G.L.S.

#3207

REV. #1 - ADDED FAN VOLTAGE - CHANGED TO 10-9/17/72 - G.L.S.

DRN. G.L.S. CHK. G.L.S. APPD. D.L.W. SCALE DATE 8-3-72

MOLONEY ELECTRIC CO.
ST. LOUIS, MO., U.S.A.

TRANSFORMER OUTLINE

DWG. NO. 4D5855 REV. # 3

