

- NOTES -

SEE INSTRUCTION BOOK FOR INSTALLATION AND MAINTENANCE.
 THIS OUTLINE CAN BE USED FOR ERECTION PURPOSES. IT IS NOT TO BE REGARDED AS INDICATING THE EXACT DETAILS OF CONSTRUCTION.
 ALL VALVES HAVE SCREWED ENDS UNLESS OTHERWISE SPECIFIED.
 ALL VALVES AND FITTINGS ARE EQUIPPED WITH M.I. PLUGS.
 BEFORE BREAKING THE SEAL ON ANY OPENING, BE SURE THE LIQUID IS LOWERED BELOW THE OPENING.
 BEFORE FILLING THE CASE WITH LIQUID, SEE INSTRUCTION BOOK.
 THE CORE AND COILS ARE BRACED INSIDE THE CASE FOR SHIPMENT. IT IS NOT NECESSARY TO REMOVE BRACES BEFORE PLACING UNIT IN SERVICE.
 THE TRANSFORMER AND CASE MUST NOT BE LIFTED TOGETHER UNLESS THE COVER IS FASTENED IN PLACE.
 THE CASE IS BRACED FOR FILLING UNDER A VACUUM OF 15 POUNDS.
 SHIPMENT WILL BE MADE IN NITROGEN IN ITS OWN CASE. BE SURE TO REMOVE DEHYDRATING CONTAINER BEFORE FILLING WITH LIQUID.
 CHECK OPERATION OF ALL TAP CHANGER MECHANISMS BEFORE SEALING TRANSFORMER.
 THE TRANSFORMER IS EQUIPPED WITH INERTAIRE. SEE I.L. 48-063-1
 THE FOLLOWING ITEMS ARE REMOVED FOR SHIPMENT.. 3,4,5,6,9,106

APPROXIMATE NET WEIGHTS

CORE AND COILS -----	35,850 LBS.
CASE AND FITTINGS -----	23,720 LBS.
LIQUID IN TRANSFORMER COMPARTMENT -----	27,640 LBS.
LIQUID IN TAP CHANGER COMPARTMENT -----	2,700 LBS.
TAP CHANGER (DRY) -----	1,400 LBS.
TOTAL -----	<u>91,310 LBS.</u>

APPROXIMATE SHIPPING WEIGHT ----- 52,610 LBS.

ITEM

FITTINGS AND DESCRIPTIONS

- * 1 H.V. BUSHINGS - 3 TOTAL - D.S. 48-061-32 - INTERNAL TOP CONNECTED - DRAW THROUGH LEAD - STUD SIZE - 1-1/2 - 12 - 2-1/8 LONG
- * 2 L.V. BUSHINGS - 4 TOTAL - D.S. 48-061-14 - LINE 15 - INTERNAL BOTTOM CONNECTED - BOLTED TERMINAL - STUD SIZE 2-1/4 - 12 - 2-1/2 LONG
- * 3 H.V. BUSHING TERMINAL - 3 TOTAL - SEE D.S. 48-061-25 - FIG. 19
- * 4 L.V. BUSHING TERMINAL - 3 TOTAL - SEE D.S. 48-061-25 - FIG. 28
- * 5 L.V. NEUTRAL BUSHING TERMINAL - 1 TOTAL - D.S. 48-061-25 - FIG. 52
- 6 RADIATORS - HAVE 3/4 INCH DRAIN AND VENT PLUGS AND ARE CONNECTED AT TOP AND BOTTOM TO SHUT-OFF VALVES ON CASE
- 7 FORCED-AIR COOLING FANS - FAN MOTORS ARE SINGLE PHASE - 60 HERTZ - 230 VOLT - TOTAL KVA REQUIRED 1.71 - SUPPLIED BY CUSTOMER
- 8 INERTAIRE CABINET WITH ALARM CONTACTS - FOR SWITCH RATING SEE TABLE I - HINGED CABINET DOOR WITH PROVISION FOR PADLOCK
- 9 NITROGEN CYLINDER
- 10 AUTOMATIC RESET MECHANICAL RELIEF DEVICE WITH SEMAPHORE
- 11 JUNCTION BOX FOR CURRENT TRANSFORMER LEADS
- 12 LIFTING LOOPS - 3 TOTAL - LOOPS FOR LIFTING COVER ONLY
- 13 LIFTING HOOKS - 4 TOTAL - FOR LIFTING COMPLETE UNIT - SEE DETAIL
- 14 CASE AND COVER - WELDED
- 15 MANHOLE, 20 INCH DIAMETER OPENING - 2 TOTAL
- 16 2 INCH VALVE FOR VACUUM FILLING
- 17 SILICA GEL CONTAINER FOR SHIPMENT ONLY - TO BE REMOVED BEFORE FILLING CASE WITH LIQUID
- 18 GROUND PAD ON CASE WALL - 2 TOTAL - SEE DETAIL
- 19 VALVE 1 INCH FOR UPPER FILTER PRESS CONNECTION
- 20 VALVE 2 INCH FOR COMBINATION LOWER FILTER PRESS CONNECTION AND COMPLETE DRAIN - WITH 3/8 SAMPLING DEVICE
- 21 BASE WELDED TO CASE - SEE DETAIL - BASE MAY BE SKIDDED OR ROLLED IN ANY DIRECTION
- 22 JACK PAD ON CASE BOTTOM FOR JACKING COMPLETE UNIT - SEE DETAIL
- 23 LIQUID TEMPERATURE INDICATOR WITH MAXIMUM INDICATING HAND AND ALARM CLOSING CONTACTS, - FOR SWITCH RATING SEE TABLE I
- 24 HOT SPOT TEMPERATURE INDICATOR WITH MAXIMUM INDICATING HAND AND ALARM CLOSING CONTACTS - FOR SWITCH RATING SEE TABLE I - ADDITIONAL CONTACTS TURN FUTURE FANS
- 25 MAGNETIC LIQUID LEVEL GAUGE WITH LOW LIQUID LEVEL ALARM CONTACTS - FOR SWITCH RATING SEE TABLE I
- 26 NO LOAD TAP CHANGER OPERATING MECHANISM WITH PROVISION FOR PADLOCKING
- 27 DIAGRAM INSTRUCTION PLATE
- 28 L.V. NEUTRAL GROUND STRAP TO TANK BOTTOM

*SEND PRINTS TO CUSTOMER