



Dwg 609D945 Sub X2

- NOTES -

THIS OUTLINE CAN BE USED FOR ERECTION PURPOSES. IT IS NOT TO BE REGARDED AS INDICATING THE EXACT DETAILS OF CONSTRUCTION.
 THE TRANSFORMER AND CASE MUST NOT BE LIFTED TOGETHER UNLESS THE COVER IS FASTENED IN PLACE.
 THE CORE AND COILS ARE BRACED INSIDE THE TANK FOR SHIPMENT. IT IS NOT NECESSARY TO REMOVE THESE BRACES BEFORE PLACING IN SERVICE.
 BEFORE BREAKING THE SEAL ON ANY OPENING, BE SURE THE LIQUID IS LOWERED BELOW THE OPENING.
 THIS TRANSFORMER IS "SEALEDAIRE" CONSTRUCTION. THE GAS SPACE IS SEALED TO PREVENT BREATHING UNDER NORMAL OPERATION.
 GASKET UNDER ITEM 9 IS CEMENTED ON ONE SIDE ONLY AT THE FACTORY.
 ITEMS 1 AND 29 ARE TO BE REMOVED FOR SHIPMENT.

APPROXIMATE NET WEIGHTS	
CORE AND COILS	14,600 LBS.
CASE AND FITTINGS	8,000 LBS.
LIQUID	11,600 LBS.
TOTAL	34,200 LBS.

FITTINGS AND DESCRIPTIONS

- ITEMS
- * 1 H.V. BUSHINGS - 3 TOTAL - DRAWING 53-B-2232 - GR. 1 - SEE D.S. 46-719-2, LINE 5
 - 2 L.V. BUSHINGS - 4 TOTAL - DRAWING 29-A-350 - GR. 9
 - 3 SEMAPHORE FOR INDICATING RELIEF DEVICE TRIP
 - 4 MECHANICAL RELIEF DEVICE MOUNTED ON 17-1/4 INCH MANHOLE
 - 5 COVER
 - 6 CASE - SEE D.S. 47-609-1, FIG. 2
 - 7 BASE - SEE D.S. 47-601-16, FIG. 26
 - 8 JACK LUG FOR JACKING COMPLETE UNIT - 4 TOTAL - SEE D.S. 47-601-16, FIG. 6
 - 9 MANHOLE 17-1/4 INCH DIAMETER - 2 TOTAL
 - 10 DIAGRAM INSTRUCTION PLATE
 - 11 GROUND PAD - SEE D.S. 46-719-9, FIG. 2 - 2 TOTAL
 - 12 LIFTING HOOKS - 4 TOTAL - FOR LIFTING COMPLETE UNIT - SEE D.S. 46-741-1, FIG. 7
 - 13 LIFTING LOOPS - 3 TOTAL - FOR LIFTING COVER ONLY - SEE D.S. 47-600-17, FIG. 3
 - 14 TAP CHANGER OPERATING MECHANISM WITH PROVISION FOR PADLOCKING
 - 15 FUTURE CONTROL CABINET FOR FANS
 - 16 FUTURE FORCED-AIR COOLING FANS
 - 17 RELIEF VALVE ASSEMBLY WITH VACUUM PRESSURE GAUGE AND AIR TEST VALVE
 - 18 VALVE 2 INCH FOR COMBINATION LOWER FILTER PRESS CONNECTION AND COMPLETE DRAIN
 - 19 VALVE 3/8 INCH FOR LIQUID SAMPLING
 - 20 VALVE 1 INCH FOR UPPER FILTER PRESS CONNECTION
 - 21 TEMPERATURE INDICATOR WITH MAXIMUM INDICATING HAND AND ALARM CONTACTS - SEE WIR. DIAG.
 - 22 MAGNETIC LIQUID LEVEL GAUGE
 - 23 L.V. THROAT - SEE DETAIL
 - 24 L.V. SWITCHGEAR HOUSING FOR CONNECTION TO SWITCHGEAR THROAT
 - 25 1-1/4 INCH CONDUIT COUPLING FOR CUSTOMER'S CONDUIT CONNECTION
 - 26 L.V. BUS ASSEMBLY FOR CONNECTION TO SWITCHGEAR
 - 27 12 POINT TERMINAL BOX FOR SWITCHGEAR LEAD CONNECTIONS - SEE WIR. DIAG.
 - 28 TUBULAR COOLERS
 - * 29 L.V. BUSHING ADAPTER - SEE D.S. 46-740-1, FIG. 19

* SEND PRINTS TO CUSTOMER

NO.	CHANGE
1	5.0.72-8208
2	D. 648236
29	IN. NOTES WAS 25
2	WAS 4. R. 10
21	SEE IN. DIM. ADDED
23	DETAIL ADDED
24	CANCELLED
25	WAS CONDUIT
29	ADDED
	52 8 DIM ADDED
	139 8 WAS 141 3/4
	2 1/2 DIM ADDED
	Taneto 3/19/59
	H. REDMOND 3-14-59
	570 KRAUER/CLW. 3-30-59

PRINTS TO	TOOL REF DWG	ENGRG REF DWG	REF BK SEC	BOOK #	APPROVED
1	7				
2	8				
3	9				
4	10				
5	11				
6	12				

WESTINGHOUSE ELECTRIC CORPORATION-A

APPARATUS TYPE SL-UNIT SUB TRANSFORMER-CLASS 04/INT. EX-OUTDOOR -
 5000 KVA- 3 PHASE-60 CYCLES-H.V. 13,800 VOLTS Δ-L.V. 480Y/2400 VOLTS-

DIMENSIONS IN INCHES-SCALE HTS SUB X2 OUTLINE

DFTM	APPD	3/13	3/13
L.J. SCHWEISS	APPD	3/13	3/13
CHKD H. REDMOND	APPD	3/13	3/13

609D945

TRANSFORMER DIVISION-SHARON PLANT SHARON, PA., U.S.A.