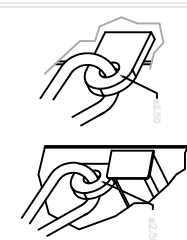
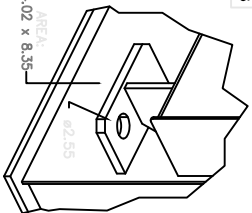
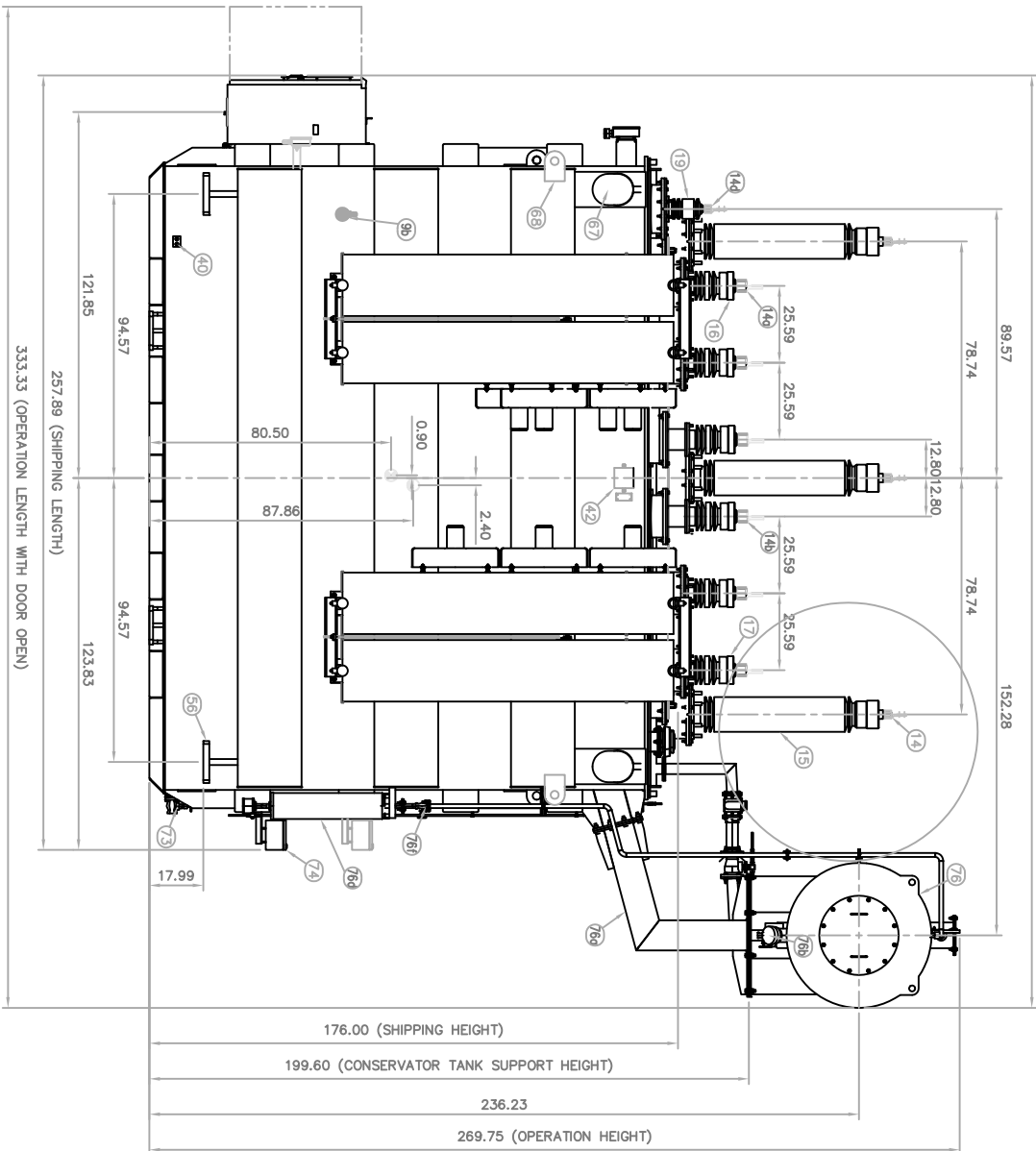
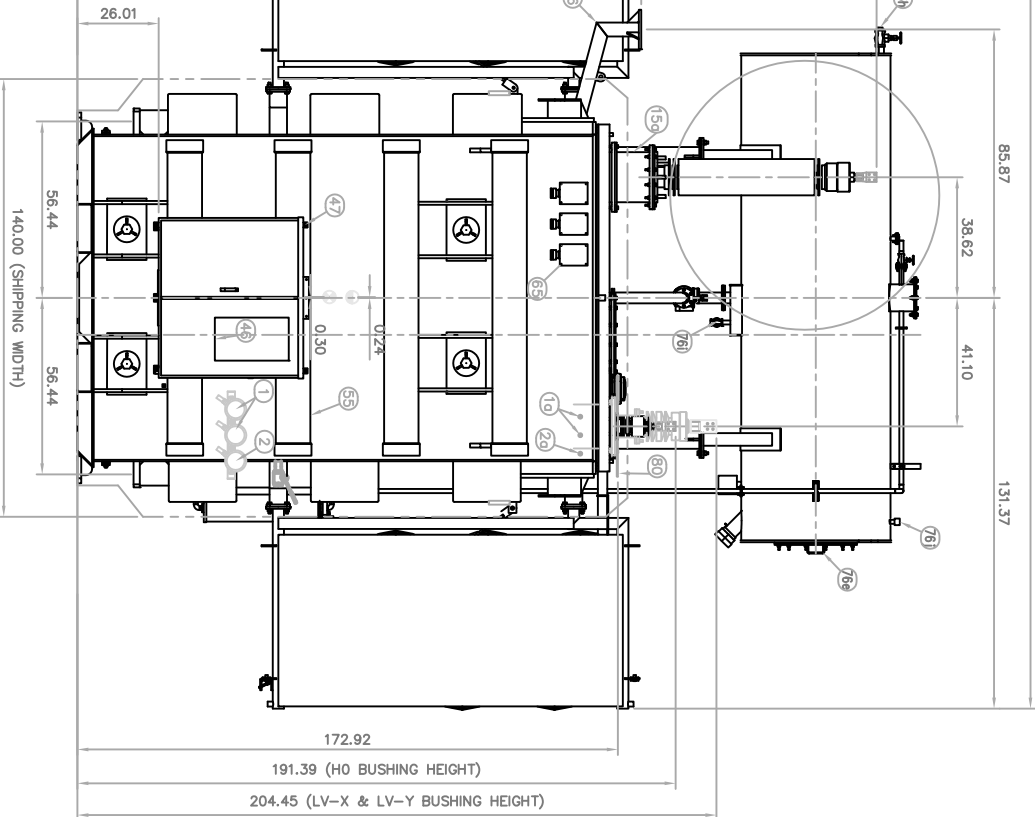
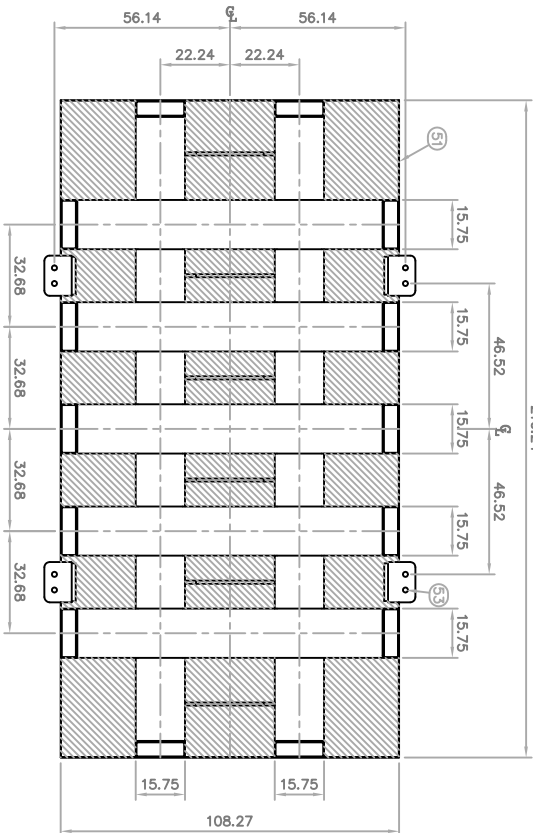


\*\*\*\*\*CFFGPFWO'33"

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QTY.	POS.	DESCRIPTION
2	1	WINDING TEMPERATURE INDICATOR MESSRO MT-ST160WM/TT/4C/4M (491-1/2)
1	10	THEIRMO-WELL FOR WINDING TEMPERATURE INDICATOR
1	12	THEIRMO-WELL FOR WINDING TEMPERATURE INDICATOR
2	4	PRESSURE RELIEF DEVICE QUALTRUL LP800-00008306 (63PR-1)
1	9b	HYDRAN (1.5" Ø) VALVE
1	11	PRESSURE-VACUUM RELIEF FOR SHIPPING
1	11	LV BUSHING CONNECTOR DELTA PMS62C12-1-4M-E
3	14b	LV BUSHING (X) CONNECTOR DELTA PMS62C12-1-M3-E
14b	14	NEUTRAL BUSHING (X) CONNECTOR DELTA PMS9012-1-M3-E
1	14d	NEUTRAL BUSHING (X) CONNECTOR DELTA PMS9012-1-4M-E
15	15	HIGH VOLTAGE BUSHING LAPP 138 KV P06050G126160MS
1	16	LV REMOVABLE BUSHING LAPP 25 KV BB8742-70
1	16a	LV REMOVABLE BUSHING TURRET
17	17	LOW VOLTAGE (Y) BUSHING LAPP 25 KV BB8742-70
1	17a	H.V. REMOVABLE BUSHING Y TURRET
19	19	NEUTRAL BUSHING BOO NMC 23 KV 636274
1	20	COOPER GROUNDING PAD SUPPORT
1	42	COOPER GROUND BUSHING TERMINAL BOX (MAIN UNIT)
1	43	FRAME GROUND BUSHING BOX
1	44	NAMEPLATE
1	46	DOOR LOCK CABINET
1	50	DOOR HINGE FLAP-CHANGER ABB DTWC 2 DECKS
1	51	BASE SKIDS (4 DIRECTION)
1	51	TACK BRACES
4	56	JACKING PADS AND PULLING EYES
2	57	INSPECTION MANHOLE
2	58	MAIN COVER MANHOLE
6	55	CT TERMINAL BOX
4	66	LIFTING EYE COVER ONLY
4	67	LIFTING LUGS COMPLETELY ASSEMBLED TRANSFORMER
8	98	SHIPPING LUGS
1	98	TOP TIE RING PRESS VALVE (1.00 Ø) GLOBE-TYPE
1	72	MIN DRAIN VALVE (2.00 Ø) GLOBE-TYPE
2	74	IMPACT RECORDER FOR SHIPPING
14	75	COOLING FAN F280-49712
8	75b	RADIATOR SUPPORTS AND BRACES
18	75c	RADIATOR WENT AND DRAIN PIPING (1.00 Ø)
1	76	RADIATOR WENT AND DRAIN PIPING (1.00 Ø)
2	76b	CONSERVATOR TANK WITH INTERNAL BLADDER
1	76c	CONSERVATOR TANK SUPPORT
1	76c	CONSERVATOR MAGNETIC LIQUID LEVEL GAUGE ORTO 0166-1R/5 (71G-1)
1	76d	HANDHOLE TO INSTALL BLADDER
1	76d	CLIMATE BREATHER
1	76d	SILICA-GEI SHUT OFF VALVE
1	76b	CONSERVATOR PRESSURE EQUALIZATION VALVE (1" Ø) GLOBE-TYPE
1	76b	CONSERVATOR FILL VALVE (2.00 Ø) GLOBE-TYPE
1	76i	CONSERVATOR DRAIN VALVE (1.00 Ø) GLOBE-TYPE
1	76j	CONSERVATOR TANK TO MAIN TANK VALVE (3.00 Ø) GLOBE-TYPE
1	76k	GAS SAMPLING DEVICE
1	76m	PROTECTIVE RELAY BUCHHOIZ EMB 53-28-29-31i (63BH-1)
1	76p	EXPANSION JOINT FOR PIPING
80		LOW VOLTAGE "X" AND LOW VOLTAGE "Y" BUS DUCT

TOLERANCES	
Centerline distance of not inclined bushings	±.250
Centerline distance of inclined bushings	±1.000
Bushings height (distance to floor)	-.625
Centerline distance of bushings	±.500
H & L bushings center line	±.250
Bushings & surge orester center line	±.250
Surge orester height (distance to floor)	±.500
Center tank distance to large side	±.500
Center tank distance to large side	±.500
Conservator height	±.500
Broaching center line	±.125
Broaching center line	±.125
Piston distance	±.062
Outline	0"-.18"
Dimensions	118"-197"
	197" & Above
	±.187
	±.150
	±2.000



Equisales Associates, Inc.  
13811 Culien Blvd, Houston Texas 77047  
GE Reg. # 42086574  
P.O. # F2743-158  
GE Prolec Serial # G2137 - 01 / 02

STEP UP TRANSFORMER  
ONAN/ONAF/ONAF/ONAF/85°C, 60 HZ  
90/120/150/180/210/240/270/300/3300 FAST  
THREE PHASE 3300 FAST  
LOW VOLTAGE 45/60/75/90/115/138 KVA  
115/66.395 KV< 13.8 KVA - 13.8 KVA

# PROLEC



http://www.geprolec.com

## TRANSFORMER

SERIAL No G2137 \_\_, THREE-PHASE, 60 Hz, ALTITUDE 3300 ft

### VOLTAGE RATING (KV).

WINDING	VOLTAGE (KV)
H	115 GrdY / 66.39
X	13.8
Y	13.8

### KVA RATING

WINDING	ONAN (55°C)	ONAF (55°C)	ONAF (55°C)	ONAF (65°C)
H	90 000	120 000	150 000	168 000
X	45 000	60 000	75 000	84 000
Y	45 000	60 000	75 000	84 000

### APPROXIMATE WEIGHTS (POUNDS)

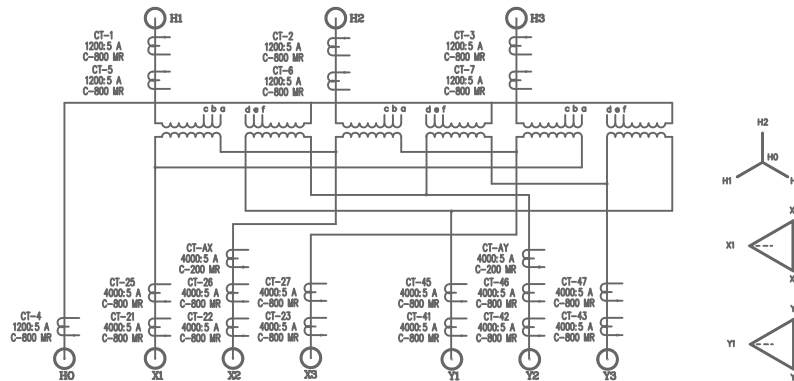
CORE AND COILS	195164
TANK AND FITTINGS	70096
MAIN TANK LIQUID ( 11301 GALS )	84876
COOLING EQUIPMENT LIQUID ( 634 GALS )	4760
CONSERVATOR TANK LIQUID ( 438 GALS )	3285
TOTAL WEIGHT	358181
UNTANKING WEIGHT ( HEAVIEST PIECE )	195164
SHIPPING WEIGHT (WITHOUT OIL):	239400

### IMPEDANCE @ 75°C

	% Z	KVA BASE	KV BASE
H - X		45 000	115-13.8
H - Y		45 000	115-13.8
X - Y		45 000	13.8-13.8

### BASIC IMPULSE LEVEL (KV).

	H	X	Y	H0
BUSHING	650	150	150	150
WINDING	550	110	110	150



### HIGH VOLTAGE WINDING

VOLTS	AMPERES	DE-ENERGIZED TAP CHANGER
H1, H2, H3	168 000 KVA	POS
120 750	803	1 a TO d
117 875	823	2 d TO b
115 000	843	3 b TO e
112 125	865	4 e TO c
109 250	888	5 c TO f

### LOW VOLTAGE WINDING

VOLTS	AMPERES
X1, X2, X3	84 000 KVA
13 800	3 515

### LOW VOLTAGE WINDING

VOLTS	AMPERES
Y1, Y2, Y3	84 000 KVA
13 800	3 515

### CAUTION !

- BEFORE INSTALLING OR OPERATING READ INSTRUCTIONS G2137
- DO NOT OPERATE THE TRANSFORMER WHEN THE READING OF LIQUID LEVEL GAUGE IS BELOW OF THE LOW POINT OF THE SCALE.
- DO NOT OPERATE THE "DE-ENERGIZED TAP CHANGER" WITH THE TRANSFORMER ENERGIZED.

### NOTES

- MAXIMUM OPERATING PRESSURES OF LIQUID PRESERVATION SYSTEM: 0 Lb/In<sup>2</sup> ( ATMOSPHERIC PRESSURE ).
- TANK DESIGNED FOR 15 Lb/In<sup>2</sup> VACUUM FILLING
- ALL WINDINGS COPPER.
- FILLED WITH MINERAL OIL WHICH CONTAIN NO DETECTABLE LEVEL OF PCB AT THE TIME OF MANUFACTURE.

SUITABLE FOR STEP UP OPERATION

MANUFACTURE DATE: \_\_ / 200 \_\_




MATERIAL: STAINLESS STEEL  
DIMENSIONS: 18" x 12"

TRANSFORMER DESIGNED FOR A NOMINAL IMPEDANCE  
(H-X) OF 6.5 % @ 45 MVA  
(H-Y) OF 6.5 % @ 45 MVA  
THE ACTUAL MEASURED IMPEDANCE VALUE  
WILL BE SHOWN ON THE NAMEPLATE

NAMEPLATE



REV.	3	REV.	1	REV.	2	REV.	4	Dim : 1270/97	AAT	Title :	Scale : mm/8mm	Sec : 80
REV.	4	REV.	2	REV.	1	REV.	3	Code :		NAME/PLATE	Dimensions in : mm/8mm	
								Appd :			Drawing No.	G213701D802
								Sheet : 1 of 1				
								Rev. : 1				