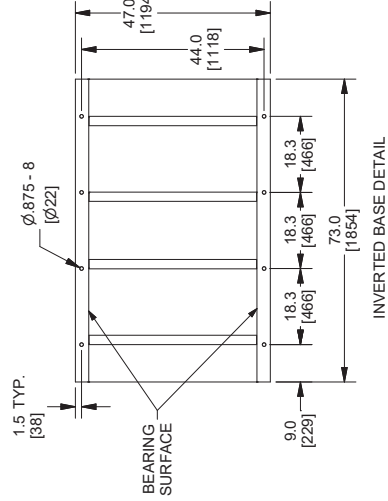
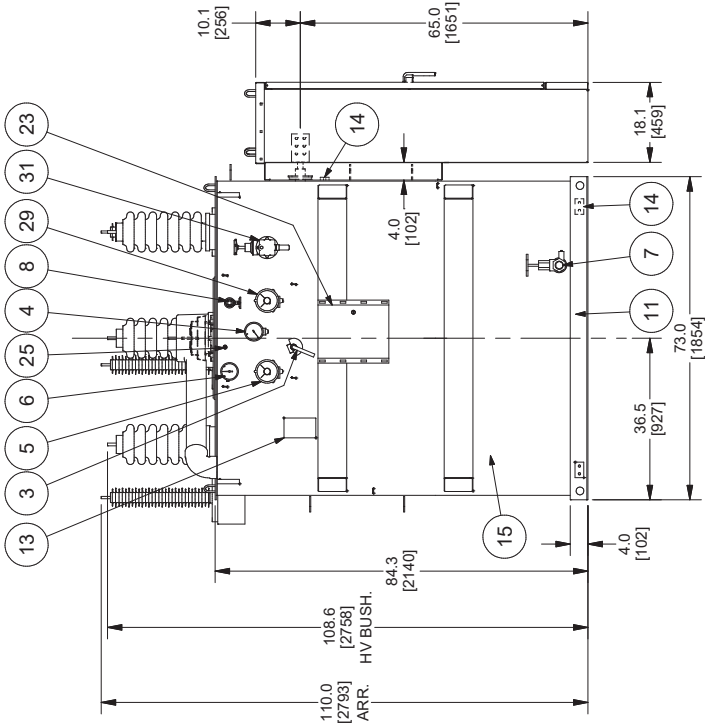
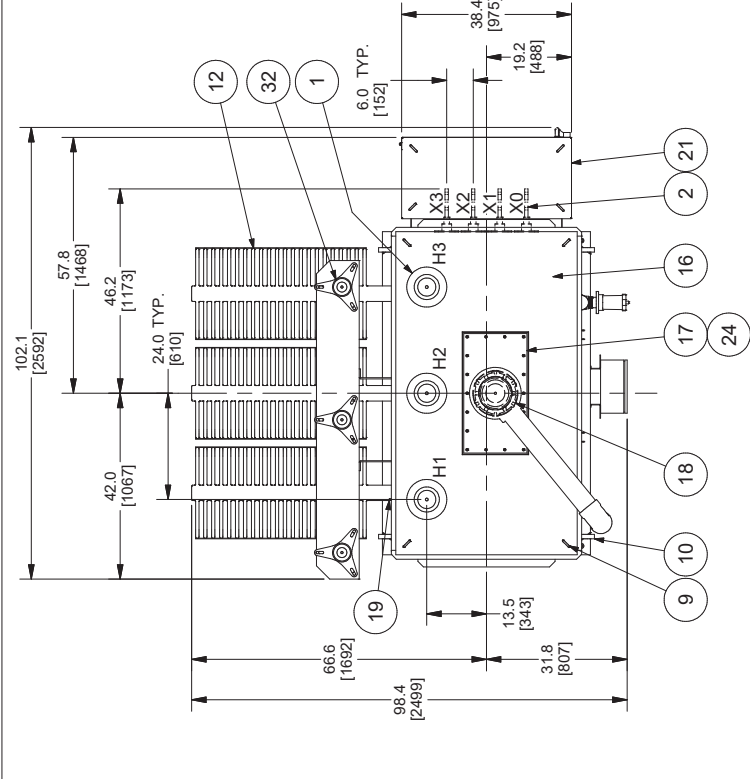




3 PHASE TRANSFORMER
3000KVA ONAN 65°C
LV: 44000 DELTA
LV: 600Y/346
MINERAL OIL FILLED
CUSTOMER: WESCO
CUSTOMER ORDER #: 2330-679240
JOB: TELESAT CANADA
MANUFACTURER ORDER #: 217309955
CATALOG #: 0000CA70A0JA
PAINT: ANSI #61 LIGHT GRAY

WEIGHTS: KGS [POUNDS]
CORE AND COIL: 3545 [7815]
TANK AND FITTINGS: 2377 [5240]
LIQUID: 2617 [5770]
TOTAL: 8539 [18825]

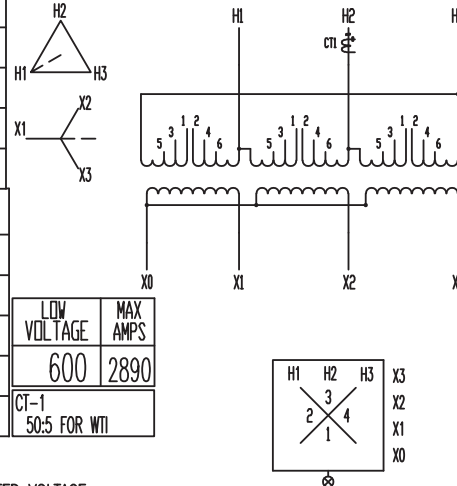
LITERS: 2930 [GALS: 774]

ITEM	DESCRIPTION
01	HV BUSH: CPS A8005600BA, 46.0KV CLASS, 500 AMPS
02	LV BUSH: CPS 2696000A02, 1.2KV CLASS, 3150 AMPS
03	TAP CHANGER WITH 3/8" DIAMETER HOLE FOR PADLOCKING
04	MAGNETIC LIQUID LEVEL INDICATOR WITH CONTACTS
05	LIQUID TEMPERATURE INDICATOR WITH CONTACTS
06	PRESSURE VACUUM GAUGE 3/10 PSI WITH REGULATOR
07	COMBINATION DRAIN AND LOWER FILTER PRESSURE VALVE WITH 3/8" SAMPLER 2.0" DIAMETER
08	1.0" UPPER FILTER PRESS VALVE
09	LIFTING EYES FOR LIFTING COVER ONLY
10	TRANSFORMER BASE WITH PROVISIONS FOR JACKING PER ANSI STANDARD AND FOR ROLLING IN EITHER DIRECTION
11	TRANSFORMER BASE WITH PROVISIONS FOR JACKING PER ANSI STANDARD AND FOR ROLLING IN EITHER DIRECTION
12	RADIATORS
13	NAMEPLATE
14	STAINLESS STEEL GROUND PADS WITH NEMA DRILLING
15	TRANSFORMER TANK-SEALED TANK LIQUID PRESERVATION
16	TRANSFORMER COVER, WELDED
17	MANHOLE: 24.00" X 11.25" WITH BOLTED COVER, QTY= 1
18	PRESSURE RELIEF DEVICE WITH INDICATOR, SHROUD, AND DIRECTIONAL PIPING
19	PURGE VALVE
21	LV CABINET: FULL HEIGHT, BOTTOM ENTRY WITH HINGED PADLOCKABLE DOOR
23	NEMA 4 CONTROL BOX
24	REMOVABLE CORE GROUND ACCESSIBLE THROUGH MANHOLE
25	0.25 IN PIPE PLUG
29	WINDING TEMPERATURE INDICATOR WITH CONTACTS
31	RAPID PRESSURE RISE RELAY WITH SEAL-IN PANEL
32	HV ARRESTER: CPS USA060A, 80kV (48.00 KV MCOV) STATION CLASS

- NOTES:
1. UNIT IS SHIPPED WITH 3 PSI NITROGEN BLANKET
 2. UNIT IS SHIPPED WITH 2 AEROSOL CANS OF TOUCH-UP PAINT
 3. EXTERNAL HARDWARE IS STAINLESS STEEL

MATERIAL: MILD STEEL	
ALL DIMENSIONS ARE IN INCHES [MM]	
THE INFORMATION ON THIS DOCUMENT WAS CREATED BY EATON. IT WAS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT WAS SUPPLIED. THIS DRAWING HAS BEEN GENERATED FROM A 3D MODEL.	
TITLE: 3000 KVA 3SUB MO 46 1 1 BC MS	
DESC: COOPER POWER SERIES CAD_MODEL	
DWG: PTP	DATE: 02/14/2020
REF:	SHEET #: 1 OF 1
REV: 00	NTS

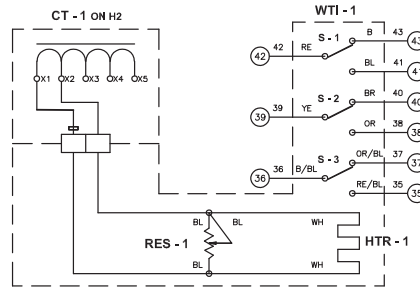
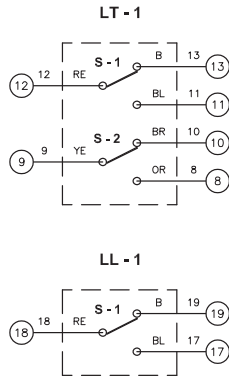
0000CA70A0JA

EATON		COOPER POWER		3Φ DISTRIBUTION	
SERIES				TRANSFORMER ASSEMBLED	
				IN WAUKESHA, WI U.S.A	
KVA		3000 @ 30°C		3750 @ 0°C	
MCP		0000CA70A0JA		CLASS ONAN	
V		44000		CONT RISE 65°C 60Hz	
V		600Y/346		6.50%IZ @ 85°C MFG DATE	
HV KV BIL		250		PCB CONTENT LESS THAN 1 PPM AT TIME OF MANUFACTURE	
HV NEUTRAL KV BIL		---		CAUTION - READ INSTRUCTION MANUAL MN202002EN	
LV KV BIL		30		BUILT IN ACCORDANCE WITH CSA C88-M90	
HV/LV CONDUCTOR		AL / AL			
APPROX. WEIGHT IN KGS.					
CORE & COIL		3545			
UNTANKING					
TANK & FIT		2377			
FLUID: OIL		2617			
LITERS: 2930					
TOTAL		8539			
TAP	CONN	VOLTAGE	MAX AMPS		
A	1-2	46200	37.5		
B	2-3	45100	38.4		
C	3-4	44000	39.4		
D	4-5	42900	40.4		
E	5-6	41800	41.4		
		LOW VOLTAGE	MAX AMPS		
		600	2890		
		CT-1	50:5 FOR WTI		
		MAX AMPS AT 3000 KVA			
		%IZ AT BASE KVA AND RATED VOLTAGE			
					
		PHYSICAL BUSHING ARRANGEMENT			
		25 DEG.C LIQUID LEVEL 10 INCHES BELOW TOP OF MANHOLE FLANGE. LIQUID LEVEL CHANGES 0.61 INCHES PER 10 DEG.C CHANGE IN LIQUID TEMPERATURE. MAXIMUM OPERATING PRESSURES OF LIQUID PRESERVATION SYSTEM 6 PSI POSITIVE AND 2 PSI NEGATIVE. TANK DESIGNED FOR 3 PSI VACUUM FILLING			

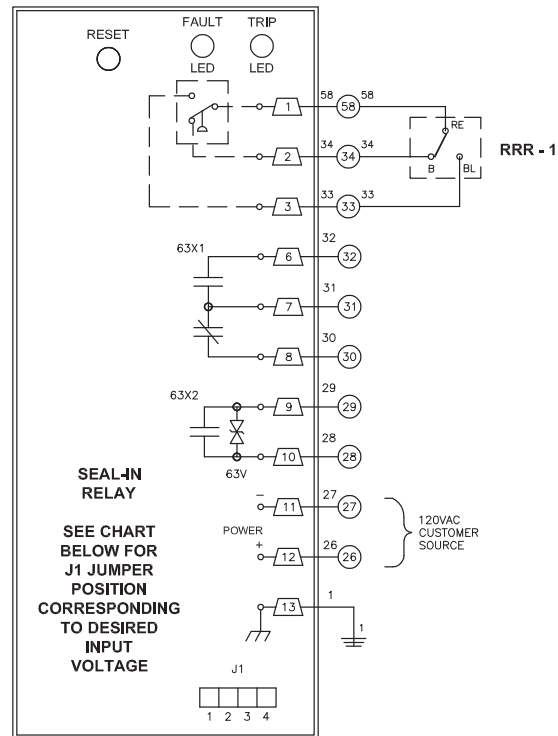
NOTES: 1) ACTUAL PLATE IS A NEGATIVE OF THE ABOVE DRAWING.
2) ACTUAL %IZ TO BE STAMPED IN AFTER TESTING.

1194012A2566
REVISIONS

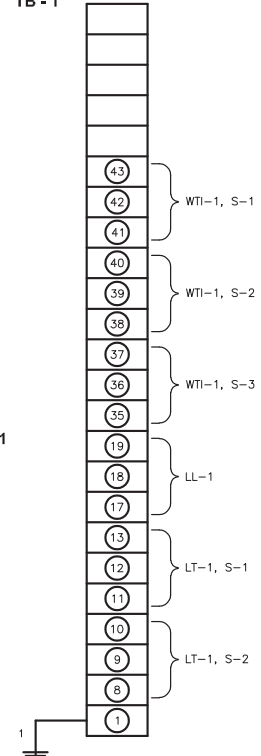
MATERIAL:		ALUMINUM		EATON Powering Business Worldwide	
ALL DIMENSIONS ARE IN INCHES [MM]		TITLE: LASER NAMEPLATE			
THE INFORMATION ON THIS DOCUMENT WAS CREATED BY EATON. IT WAS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT WAS SUPPLIED.		DESC: COOPER POWER SERIES CAD_MODEL			
DWG: PTP	DATE: 2/21/2020	REF:	SHEET #: 1 of 1	SCALE: 1=1	REV: 00
1194012A2566					



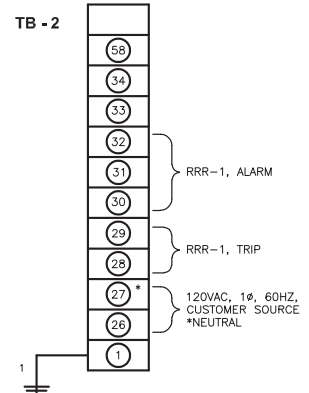
SPC - 1



TB - 1



TB - 2



- LT-1 LIQUID TEMPERATURE GAGE (26Q)
LL-1 LIQUID LEVEL GAGE (71Q)
S-1 ACTIVATES LOW LEVEL ALARM CIRCUIT
RRR-1 RAPID RISE RELAY (63SPR)
SPC-1 SEAL IN PANEL FOR RRR-1, AC/DC
WTI-1 WINDING TEMPERATURE INDICATOR (49T)
CT-1 CURRENT TRANSFORMER, 50:5 ON H2 FOR WTI
HTR-1 THERMAL BULB HEATER, .29 ± .03 OHMS
RES-1 TRIM RESISTOR, 1 OHM, ADJUSTABLE, 25 WATT, SET AT .92 ± .02 OHMS
TB-(1-2) TERMINAL BLOCK, 600V, 35A

SPC MODEL NUMBER	SPC INPUT VOLTAGE J1 JUMPER POSITION					
	120VAC	240VAC	24VDC	48VDC	125VDC	250VDC
909-300-01	3-4	N/A	1-2	2-3	3-4	N/A

FOR FIELD WIRING TERMINALS (CUSTOMER CONNECTIONS)
- USE COPPER CONDUCTORS ONLY, #22-10 AWG
- WIRE TO CUSTOMER SOURCE MUST BE RATED 60°C MINIMUM
- TB SCREW TIGHTENING TORQUE 31.5-35 IN-LB

LEGEND

- INDICATES PREWIRED DEVICE
INDICATES REMOTE DEVICE
INDICATES WIRE HEAT SHRINK NUMBER LABEL
INDICATES TERMINAL BLOCK CONNECTION
INDICATES INTRINSICALLY SAFE TERM BLOCK CONN
INDICATES RELAY TERM AND #
- INDICATES SPICE
INDICATES NORMALLY CLOSED CONTACT (NC)
INDICATES NORMALLY OPEN CONTACT (NO)
INDICATES CUSTOMER CONNECTION
POLARITY MARK
INDICATES CT SHORTING PINS - TO BE REMOVED WHEN LOAD IS CONNECTED TO CT
WIRE COLORS APPLICABLE ONLY WHEN USING CORD CONNECTORS TO SWITCHES

WH - WHITE
GR - GREEN
BL - BLACK
B - BLUE
OR - ORANGE
RE - RED
BR - BROWN
YE - YELLOW

GAGE SWITCH RATINGS (AMPS)					GAGE SWITCH SETTINGS		
DEVICE	120/240VAC	48VDC	125VDC	250VDC	DEVICE	LT 55°C AWR	LT 68°C AWR
LT/LL/PRD/RRR	15	1.3	.50	.25	S-1 (FANS)	60°C	70°C
SPC	10	2.0	.50	.25	S-2 (ALARM)	80°C	90°C
PS/SVS	5	1.0	.40	.20	S-3 (TRIP)	105°C FIXED	105°C FIXED
WTI	15	1.3	.50	.25			
TPG	1	—	—	—			
LCP	3	—	—	—			
U	5	2.0	2.0	N/A			

NOTE: AC LOADS = INDUCTIVE P.F. 75%
DC LOADS = NON-INDUCTIVE

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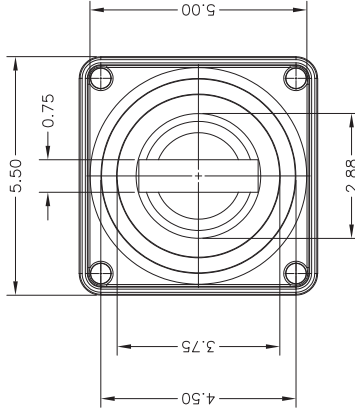
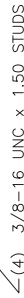
EATON

ALL DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE: SCHEMATIC SUB:	
ONE PLACE DECIMAL ±.1 TWO PLACE DECIMAL ±.06 THREE PLACE DECIMAL ±.030 CRITICAL DIMENSION	ANGULAR ±2°	DWG: DATE: 02/21/20 F.T.P.	REF: SHEET # 1 of 1 SCALE: N/A REV: 00

4256906C2276

REVISIONS

RECOMMENDED MTG. TEMPLATE



MATERIAL:

1. E01 - BISPENOL-A EPOXY, GREY
2. 6061-T6 ALUMINUM (CONDUCTOR), TIN PLATED
3. 356 CAST ALUMINUM (CLAMP)

SPECIFICATIONS:

1. BASIC IMPULSE LEVEL	45kV
2. CONTINUOUS CURRENT RATING	3150A
3. TEMPERATURE CLASSIFICATION	-50°C TO 110 °C

ALL DIMENSIONS ARE IN INCHES (MM)
TOLERANCES UNLESS OTHERWISE SPECIFIED

$X.X = \pm 0.1$	INTERPRET
$X.XX = \pm 0.06$	DIM AND TOL
$X.XXX = \pm 0.030$	PER ASME
$X'' = \pm 2^{\circ}$	Y14.5

Special Characteristics = 0	
 RCD Required Control Dimension Requirement must have additional care and control (Initial and Ongoing)	 STD Statistically Toleranced Dimension Requirement must have care and control (In the form of capability (Initial and Ongoing))

TITLE: BUSH ASSY LV
DESC: COOPER POWER SERIES 1.2KV 3150A 6HL

DWG:	DATE:	REF:
PTP	11/26/18	

2696000A02

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