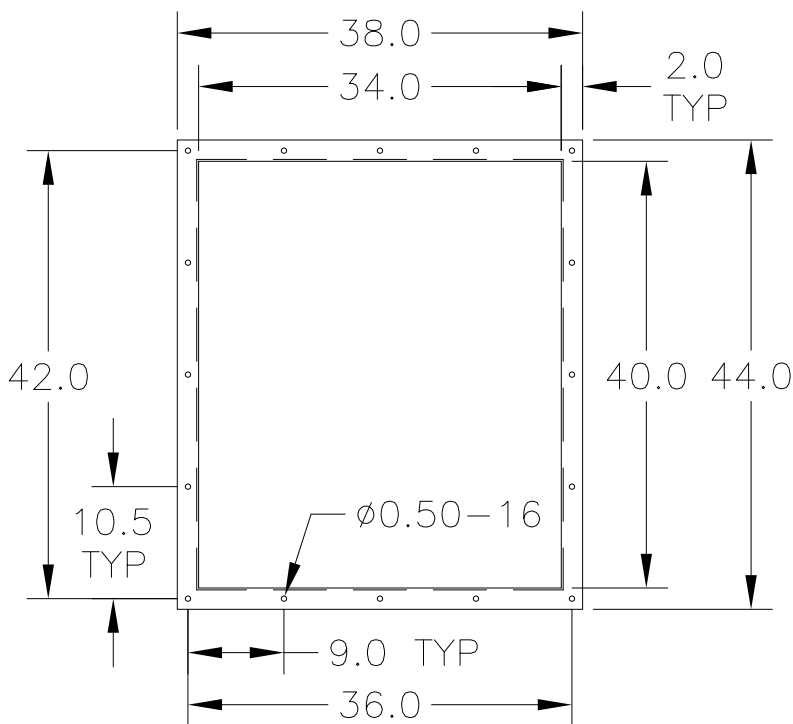
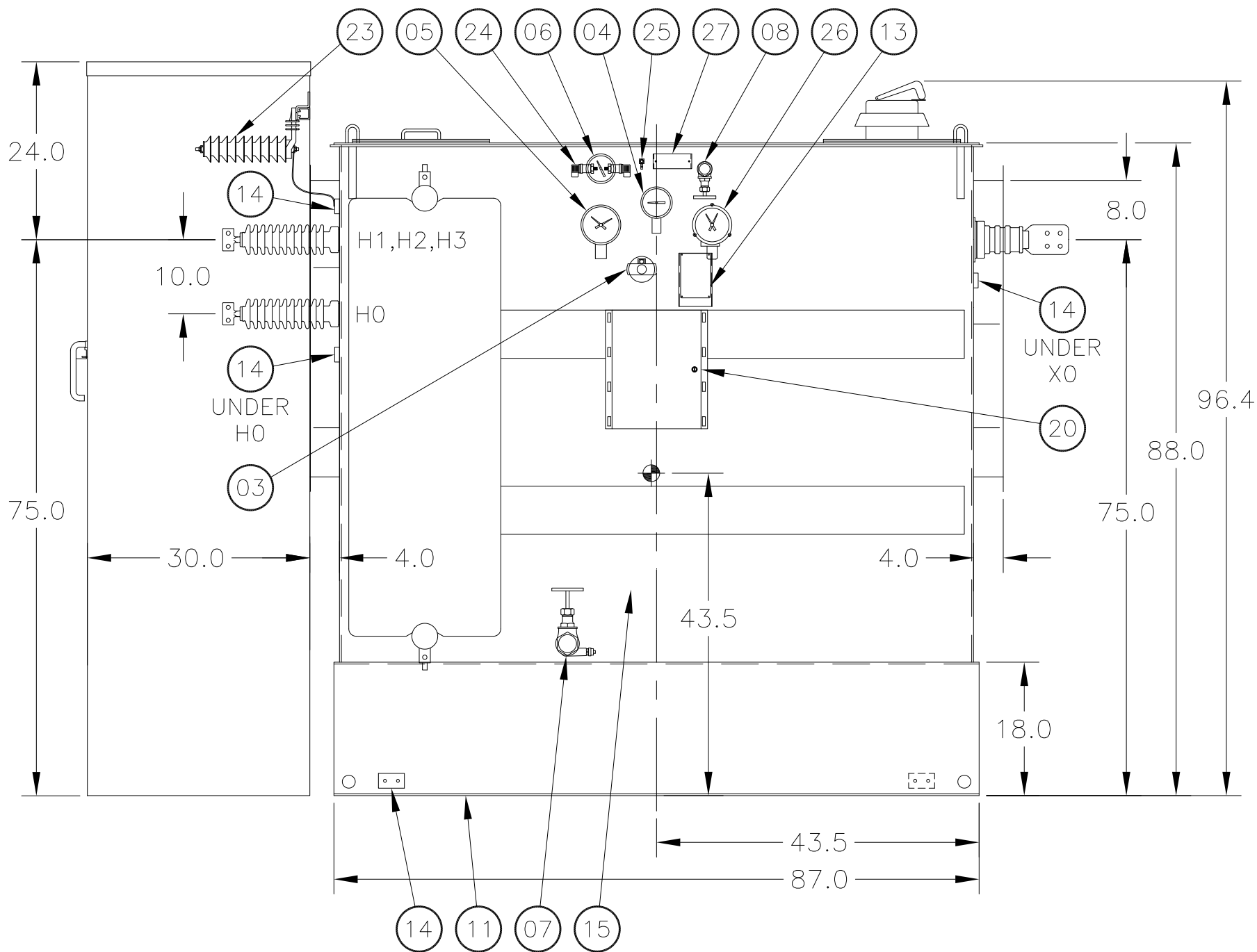
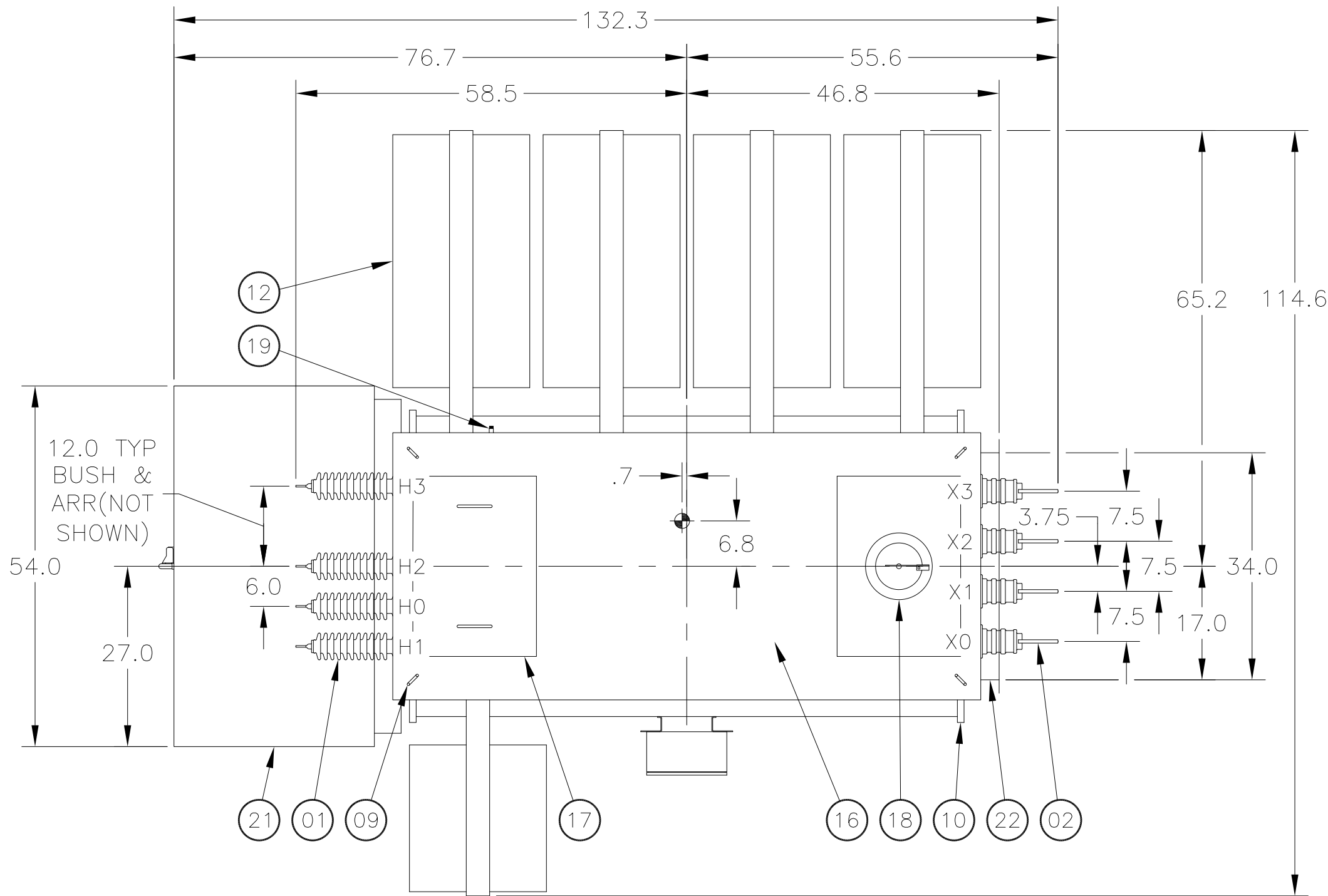
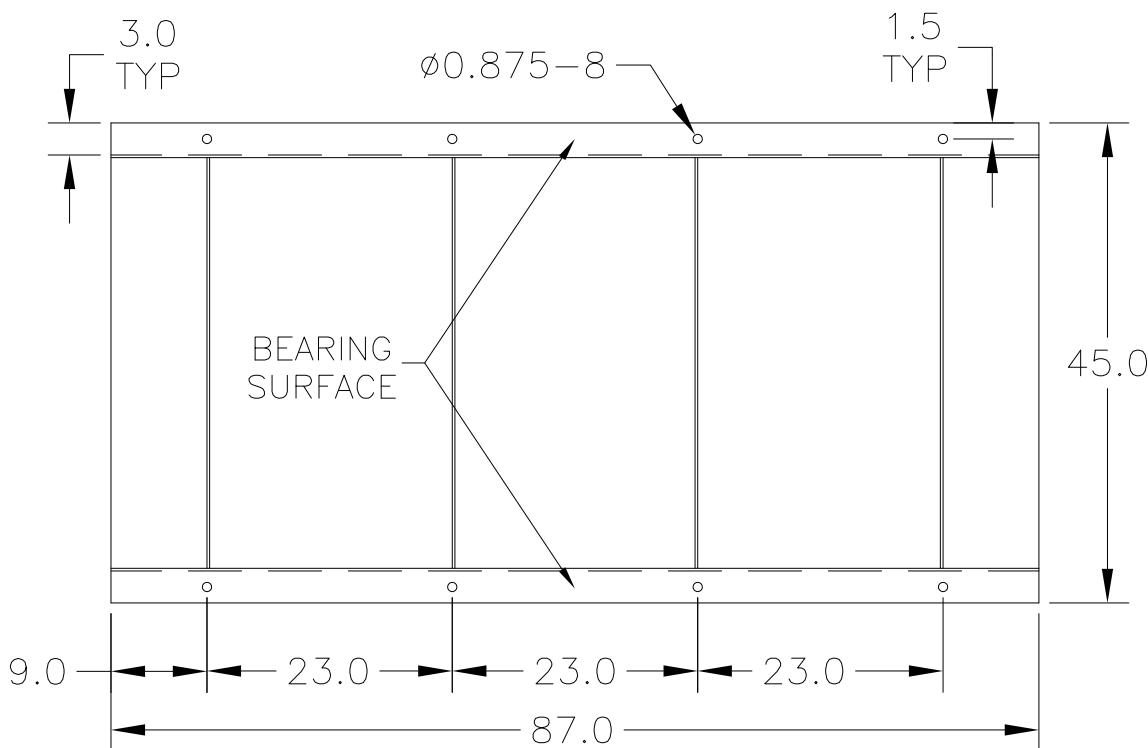




LV FLANGE DETAIL



INVERTED BASE DETAIL

- ITEM DESCRIPTION
- 01 HV BUSH: CPS 2689051A3041, 35.0kV CLASS, 250 AMPS.
02 LV BUSH: CPS 2680880A06Z, 5.0kV CLASS, 1200 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 ±10 PSI.
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 LIFTING LUGS FOR LIFTING COMPLETE TRANSFORMER.
11 TRANSFORMER BASE WITH PROVISIONS FOR JACKING PER ANSI STANDARD AND FOR ROLLING IN EITHER DIRECTION.
12 RADIATORS.
13 STAINLESS STEEL NAMEPLATE.
14 STAINLESS STEEL GROUND PADS WITH NEMA DRILLING.
15 TRANSFORMER TANK: SEALED TANK LIQUID PRESERVATION.
16 TRANSFORMER COVER: WELDED.
17 (2)MANHOLES: 15.5" X 24.0" WITH BOLTED COVER.
18 PRESSURE RELIEF DEVICE WITH SEMAPHORE.
19 PURGE VALVE.
20 CONTROL BOX (TYPE 4).
21 HV FULL HEIGHT BOTTOM ENTRY CABINET WITH PADLOCKABLE HINGED DOOR.
22 LV FLANGE.
23 HV ARRESTERS: CPS URT27110A0A1A1A, 27kV (22.00MCOV) DISTRIBUTION CLASS.
24 PRESSURE AND VACUUM SWITCHES.
25 PRESSURE RELIEF VALVE.
26 WINDING TEMPERATURE INDICATOR.
27 ID TAG: 'T-S5'.

- NOTES:
- UNIT IS SHIPPED WITH HV CABINET AND ARRESTERS SEPARATE.
 - UNIT IS SHIPPED WITH 3 PSI NITROGEN BLANKET.
 - ⊕ DENOTES CENTER OF GRAVITY.

3Ø POWER TRANSFORMER
5000 kVA KNAN/KNAP (FUTURE) 65°C
HV: 33000Y/19053
LV: 4160Y/2400
ENVIROTEMP FR3 FILLED
CUSTOMER: SYSTEMS CONTROL ASSOCIATES, INC.
JOB: ABINGTON MEMORIAL HOSPITAL
CUSTOMER ORDER #: SCA-8208
COOPER ORDER #: 200015966,01
CATALOG #: 00003A18FBWA
PAINT: ANSI #61

WEIGHTS (POUNDS)
CORE & COIL: 11205
TANK & FITTINGS: 6885
LIQUID: 6050
TOTAL: 24140

GALS: 787

MATERIAL:		COOPER Power Systems			
ALL DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED ONE PLACE DECIMAL ± .1 TWO PLACE DECIMAL ± .06 THREE PLACE DECIMAL ± .030 * CRITICAL DIMENSION ANGULAR ± 2° [CONFIDENTIAL] MUST NOT BE USED IN ANY WAY DETRIMENTAL TO COOPER POWER SYSTEMS		TITLE: OUTLINE DRAWING			
SUBJ:					
DWG: SJD	DATE: 03/03/11	REF:	SHEET #: 1 of 1	SCALE: 1=1	REV: 02

4241200B4741

COOPER Power Systems

3 ϕ TRANSFORMER
 WAUKESHA, WI U.S.A

V 5000/6250	65°C 60Hz
M CPS	C 00003A18FBWA
H 33000Y/19053	KNAN/KNAF(FUT)
L 4160Y/2400	5.75 %IZ @85°C MFG DATE
HV KV BIL 150 HV NEUTRAL KV BIL 150 LV KV BIL 60 HV/LV CONDUCTOR CU/ CU	PCB CONTENT LESS THAN 1 PPM AT TIME OF MANUFACTURE CAUTION - READ INSTRUCTION MANUAL S210-15-10

APPROX. WEIGHT IN LBS.	
CORE & COIL UNTANKING	11205
TANK & FIT	6885
FLUID: FR3™ GALLONS: 787	6050
TOTAL	24140

TAP	VOLTAGE	MAX AMPS	LOW VOLTAGE	MAX AMPS
A	34650	83.3	4160	694
B	33830	85.3	CT-1 100:5 FOR WTI	
C	33000	87.5		
D	32180	89.7		
E	31350	92.1		

MAX AMPS AT 5000 KVA
%IZ AT BASE KVA AND RATED VOLTAGE

PHYSICAL BUSHING ARRANGEMENT

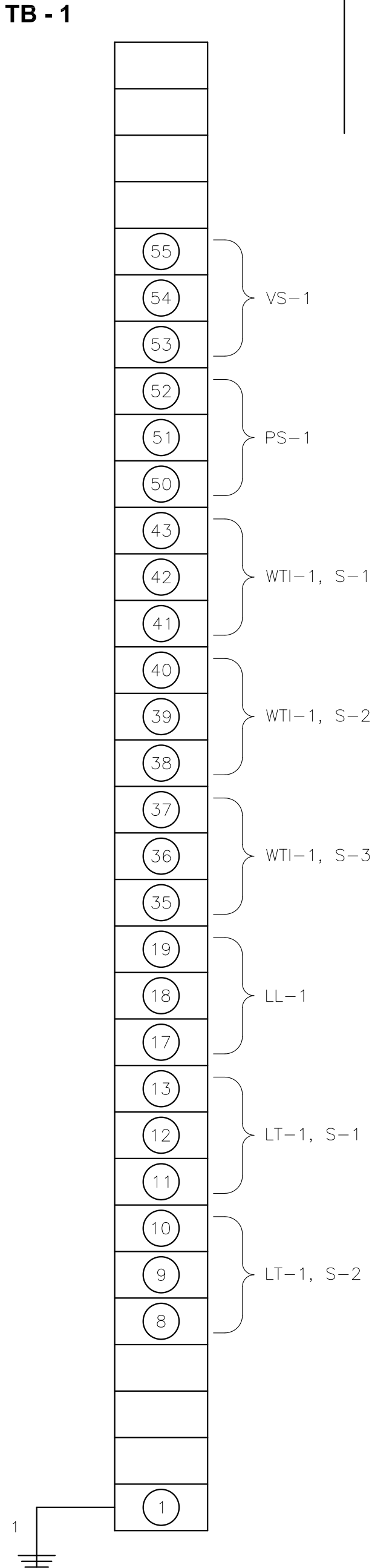
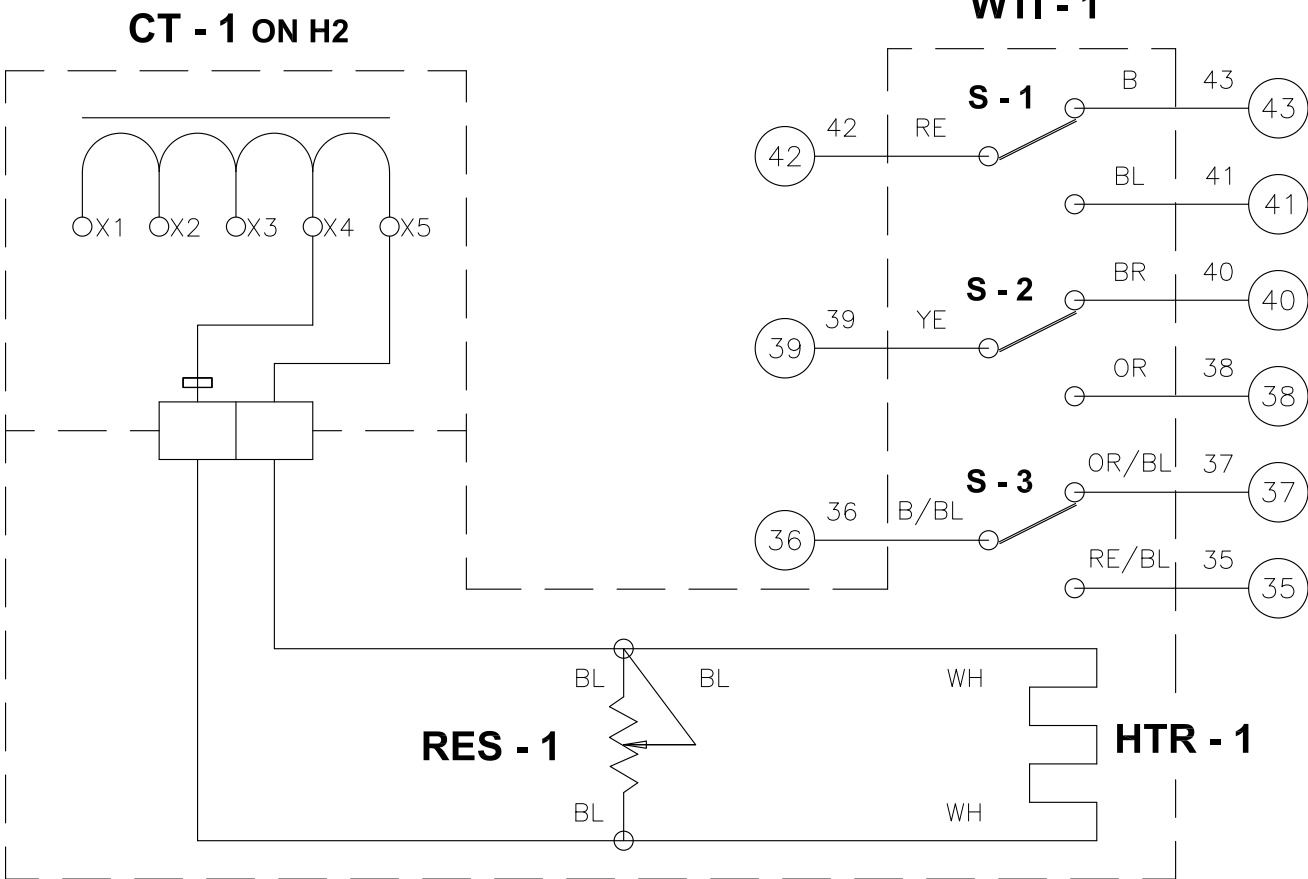
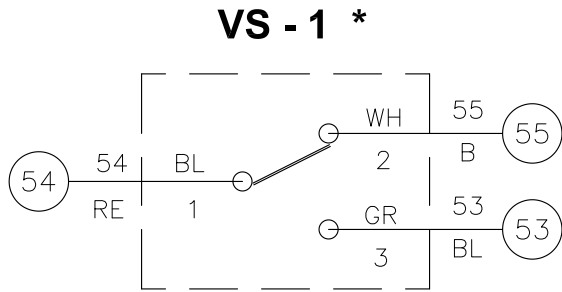
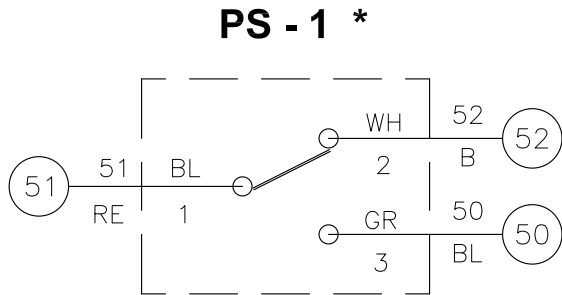
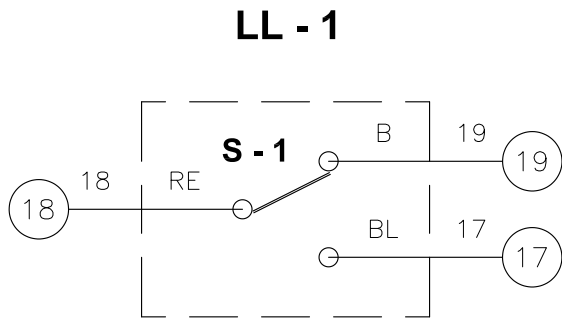
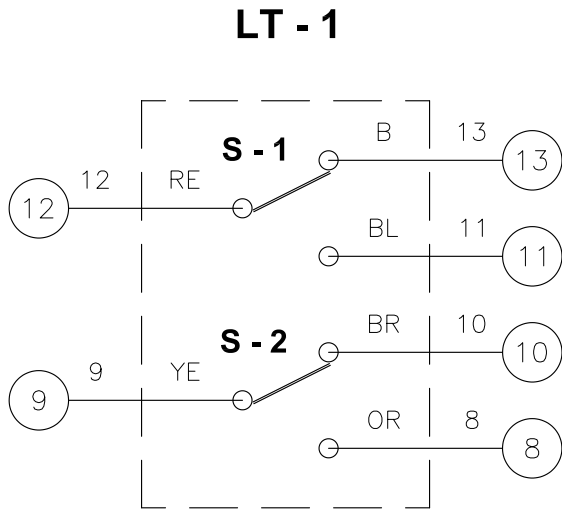
25 DEG.C LIQUID LEVEL 8 INCHES BELOW TOP OF MANHOLE FLANGE. LIQUID LEVEL CHANGES 0.52 INCHES PER 10 DEG.C CHANGE IN LIQUID TEMPERATURE. MAXIMUM OPERATING PRESSURES OF LIQUID PRESERVATION SYSTEM 6 PSI POSITIVE AND 2 PSI NEGATIVE. TANK DESIGNED FOR 3 PSI VACUUM FILLING.

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

NAMEPLATE MATERIAL: STAINLESS STEEL

200015966,01

1189607A4325 REVISIONS	MATERIAL:	COOPER Power Systems			
	ALL DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE: LASER NAMEPLATE		
	ONE PLACE DECIMAL ± .1 TWO PLACE DECIMAL ± .06 THREE PLACE DECIMAL ± .030 * CRITICAL DIMENSION ANGULAR ± 2°		SUBJ: 00003A18FBWA		
	[CONFIDENTIAL] MUST NOT BE USED IN ANY WAY DETRIMENTAL TO COOPER POWER SYSTEMS		DWG: SJD DATE: 3/3/2011 REF:	SHEET #: 1 of 1 SCALE: 1=1	REV: 00
			1189607A4325		



- LT-1 LIQUID TEMPERATURE GAGE (26Q)
LL-1 LIQUID LEVEL GAGE (71Q)
S-1 ACTIVATES LOW LEVEL ALARM CIRCUIT
PS-1 PRESSURE SWITCH, GEMS PS-E (63PV)
ACTIVATES AT +6.0 ±0.5PSIG (+41 ±3kPa) RISING
VS-1 VACUUM SWITCH, GEMS PS-EV (63PV)
ACTIVATES AT -2.5 ±0.5PSIG (-17 ±3kPa) FALLING
WTI-1 WINDING TEMPERATURE INDICATOR (49T)
HTR-1 THERMAL BULB HEATER, .29 ±.03 OHMS
RES-1 TRIM RESISTOR, 1 OHM, ADJUSTABLE, 25 WATT,
SET AT .56 ±.02 OHMS
TB-1 TERMINAL BLOCK, 600V, 35A
CT-1 CURRENT TRANSFORMER, 100:5 ON H2 FOR WTI-1

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 SPLICE
- 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)				
DEVICE	120/240VAC	48VDC	125VDC	250VDC
LT/LL/PRD/RRR	15	1.3	.50	.25
SPC	10	2.0	.50	.25
PS/VS	5	1.0	.40	.20
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

GAGE SWITCH SETTINGS			
DEVICE	LT 55°C AWR	LT 65°C AWR	WTI
S-1 (FANS)	60°C	70°C	80°C
S-2 (ALARM)	80°C	90°C	120°C
S-3 (TRIP)	105°C FIXED	105°C FIXED	130°C FIXED

MATERIAL:		COOPER Power Systems			
ALL DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE: SCHEMATIC			
ONE PLACE DECIMAL ± .1 TWO PLACE DECIMAL ± .06 THREE PLACE DECIMAL ± .030 CRITICAL DIMENSION* ANGULAR ± 2°		SUBJ:			
DWG: SJD	DATE: 03/02/11	REF:	SHEET #: 1 of 1	SCALE: N/A	REV: 00
[CONFIDENTIAL] MUST NOT BE USED IN ANY WAY DETRIMENTAL TO COOPER POWER SYSTEMS		4256906C0188			