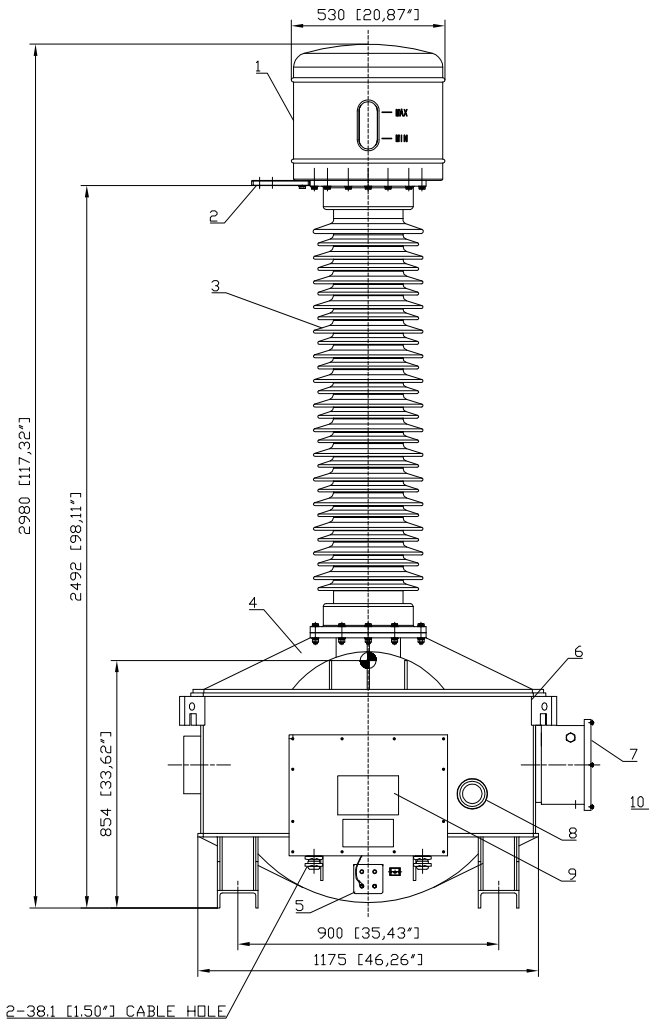
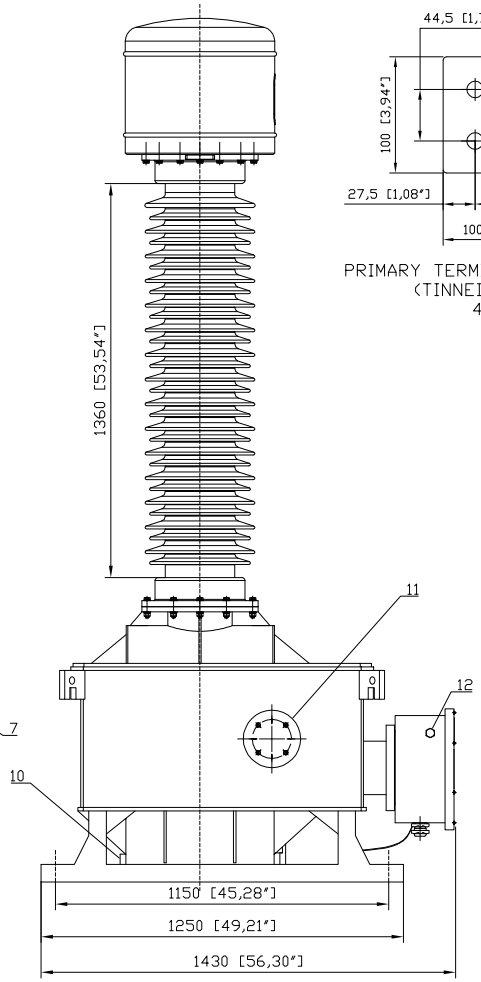
REV	DESCRIPTION	DATE
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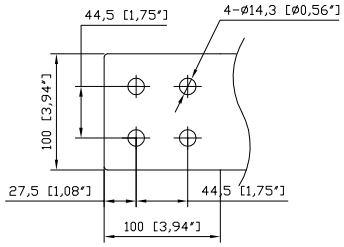
MT-SSVT-R7-1P-GXK-50KVA-SLW-AZ-A6-AM-CZ-1ZZ-M2

LARSON ELECTRONICS®

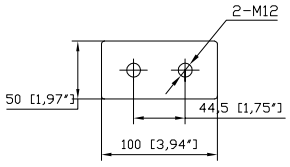
OUTLINE DRAWING OF 138KV POWER VOLTAGE TRANSFORMER, OIL FILLED, POWER BURDEN: 50kVA



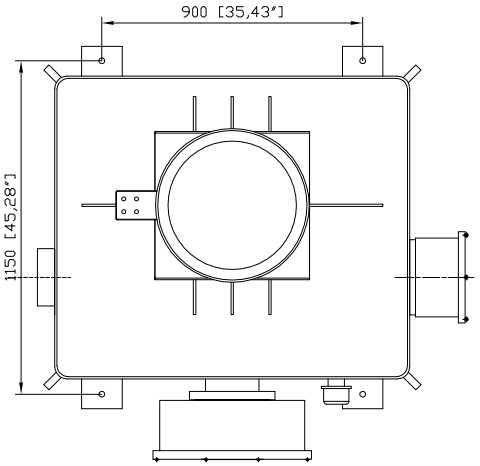




PRIMARY TERMINAL DIMENSIONS
(TINNED COPPER)
4 :1



GROUND PAD DIMENSIONS
(TINNED COPPER)
4:1



MAIN ELECTRICAL CHARACTERISTICS

- STANDARDS: ANSI / IEEE C57.13 &IEEE 63253-5713
- RATED VOLTAGE: 138 kV
- HIGHEST SYSTEM VOLTAGE: 145 kV
- RATED FREQUENCY: 60 Hz
- POWER FREQUENCY TEST VOLTAGE: 275 kV 1min
- LIGHTNING IMPULSE TEST VOLTAGE: 650 kV 1.2/50 μs
- VOLTAGE FACTOR: 1.2, cont.-1.5, 30 s.
- PRIMARY OPERATING VOLTAGE: 80500 kV
- NOMINAL SECONDARY VOLTAGE:
  METERING WINDING 1#& 2#: 115/67.08 V
  POWER WINDING: 125-250 V
- ACCURACY CLASS AND BURDEN
  METERING WINDING 1#& 2#: 0.3 W, X, Y, Z, ZZ 400VA
  POWER WINDING: 50kVA
- POWER RATING: 50kVA
- RATED THERMAL OUTPUT FOR METERING WINDING: 5kVA
- TEMPERATURE RISE: 65℃
- 5-POSITION TAP CHANGER W/ EXTERNAL OPERATING HANDLE
- TAP QTY: (2) FCAN ABOVE, (2) FCBN BELOW
- MINIMUM DEGREE OF PROTECTION: IP55
- ELEVATION LEVEL: 3300FT (1000 METERS) ABOVE SEA LEVEL
- TEMPERATURE RANGE: -30℃~+40℃
- INSULATOR: PORCELAIN, GRAY RAL 7035
- MIN. CREEPAGE DISTANCE : 31 mm/kV, 4495 mm=176.97"
- MIN. ARCING DISTANCE:1360 mm=53.54"
- OIL WEIGHT: 265 kg=584.22 lbs
- TOTAL WEIGHT: 1900 kg=4188.78 lbs

SR. NO.	DESCRIPTION
1	EXPANDER, OIL LEVEL INDICATOR
2	PRIMARY TERMINAL
3	PORCELAIN INSULATOR,GRAY
4	OIL TANK
5	GROUND PAD
6	LIFTING LUGS
7	SEC. TERMINAL BOX-METERING WINDING, NAMEPLATE
8	TAP CHANGER
9	SEC. TERMINAL BOX-POWER WINDING, NAMEPLATE
10	OIL DRAIN VALVE
11	PRESSURE RELIEF DEVICE
12	WATERPROOF AIR VENT PLUG, PA66V0,M2.0X1.5

TITLE:	OUTLINE DRAWING	138kV STATION SERVICE VOLTAGE TRANSFORMER, OIL FILLED				
PROJECT:		TYPE	SSVT			
CUSTOMER:		QUANTITY	1 NOS			
PO NO:		COMBINED		NAME	SIGN	DATE
ALL DIMENSIONS IN MM [INCHES]		SCALE: 1:1	DRN	SD	SD	16.06.2026
LARSON MAGNETICS			CHD	RD	RD	16.06.2026
			APPD	RB	RB	16.06.2026
LARSON MAGNETICS LLC						

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