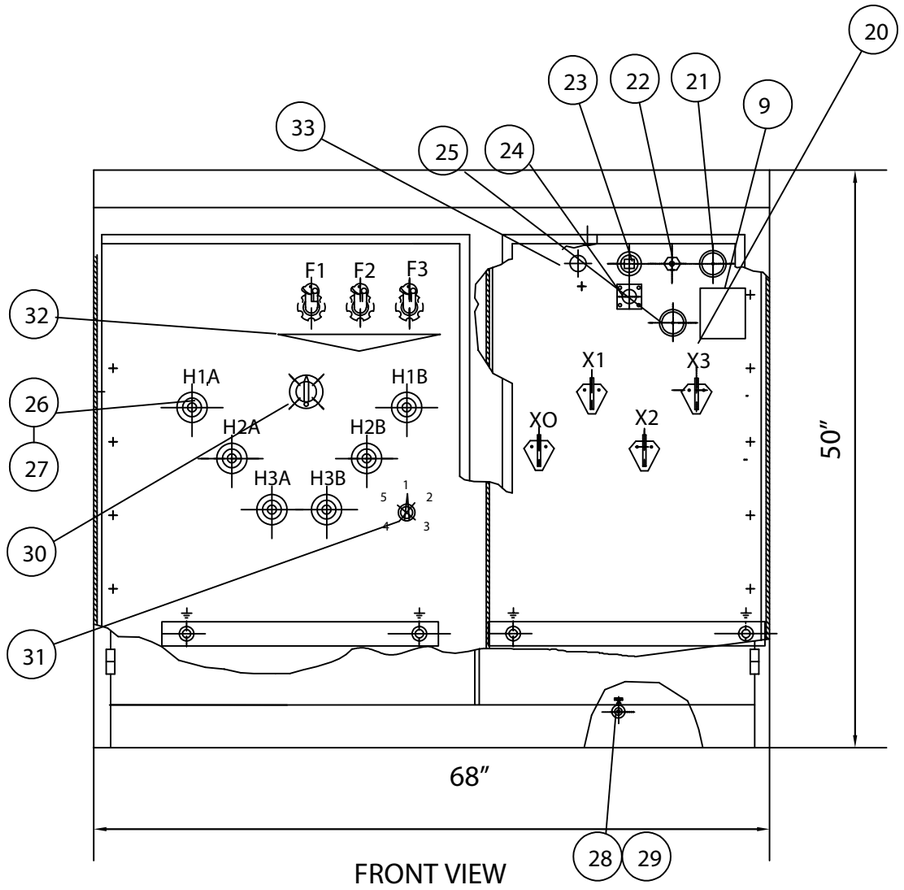
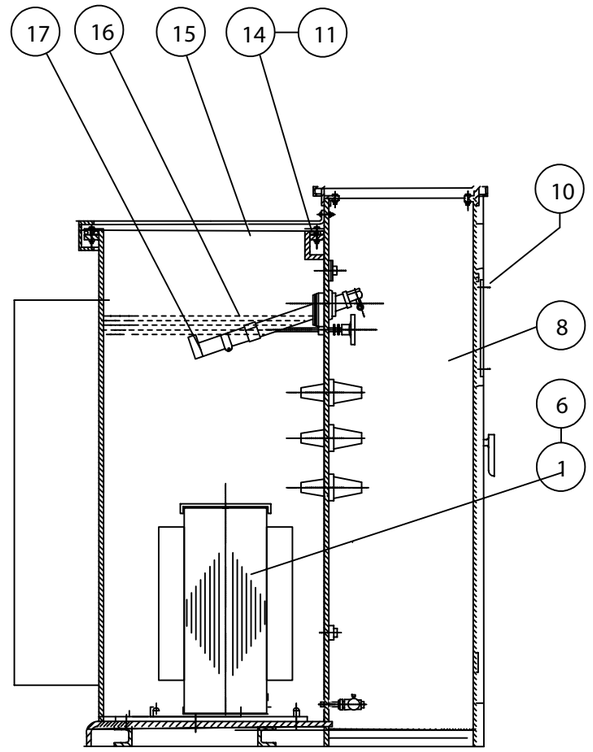
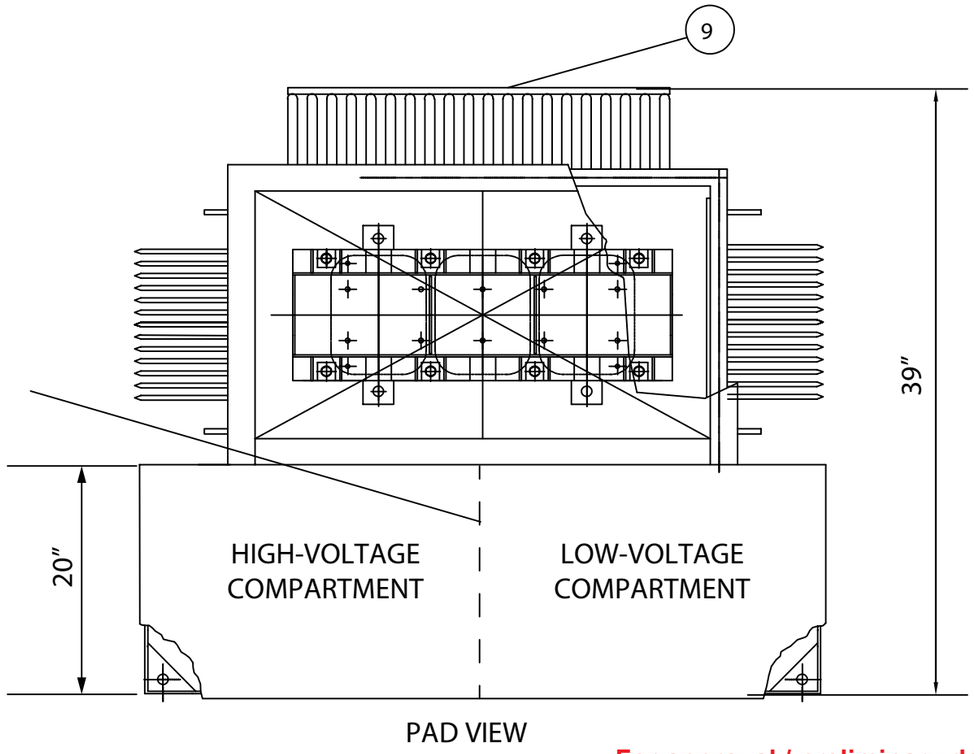


FRONT VIEW



SIDE VIEW



PAD VIEW

Approx Weight: 1,701 Lbs
Approx Fluid Capacity: 70 Gal.

Non-PCB Containing Oil

No.	NAME	REMARK
34	In-Tank Fusing	Current Limiting Fuse
33	Gas Sampler Valve	Schrader Valve
32	Drip Shield	Welded to Tank
31	5 taps Tap changer	2.5% Taps
30	Load break switch	(1) 4-Pos. LBOR
29	Oil Sampler Valve	5/8" NPT
28	Oil drain valve	1" NPT Port
27	HV Bushing accessory	elbow arrestors
26	High voltage Bushing	95kV
25	Temperature indicator	Dial, Present/Max
24	Oil level indicator	
23	Oil tank Fill Port	1" NPT w/ Plug
22	Pressure relief	Automatic Action
21	Pressure indicator	
20	Low voltage bushings	NEMA Spade Terminal
17	Bayonet fuse	w/ Flapper Valve
16	Insulation oil	Biodegradable Oil
15	Transformer Tank	Steel
14	Tank cover	Steel
13	Nitrogen Blanket	
12	Nuts	Stainless Steel
11	Bolts	Stainless Steel
10	Rivets	Stainless Steel
9	Nameplate	SS Plate, Riveted
8	MV/LV Compartment	Steel
7	MV/LV Barrier	Steel
6	Active part assembly	
5	LV leads assembly	
4	HV leads assembly	
3	High voltage coil	Aluminum Wound
2	Low voltage coil	Aluminum Wound
1	Core assembly- Shell type	Grain Oriented Steel

All dimensions are in inches

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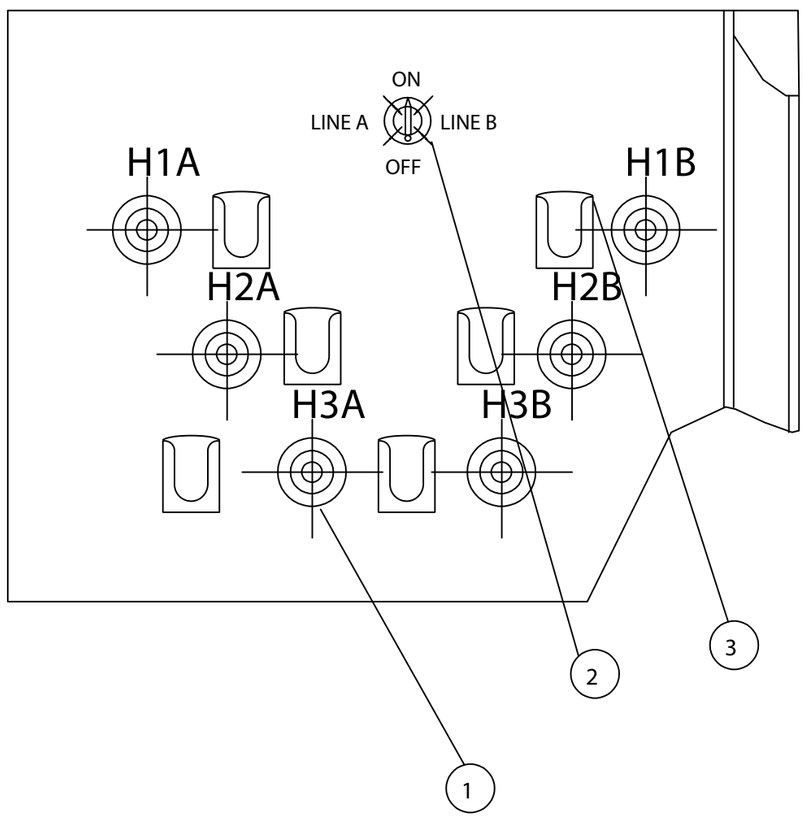
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LARSON ELECTRONICS

SKU:
MT-PML-R7-3P-GMQ-45KVA-YT-LT-DF-A6-BB-AZ-2B4-M1

Drg. No. :	Code:	Paper:	Rev.	Sheet:

High voltage Bushings



NO.	Name	BIL	Amperage	Remark
3	Parking Stand			
2	Load Break Switch	95kV	200A	4-Position LBOR
1	High Voltage Bushing	95kV	200A	Load Break Connector

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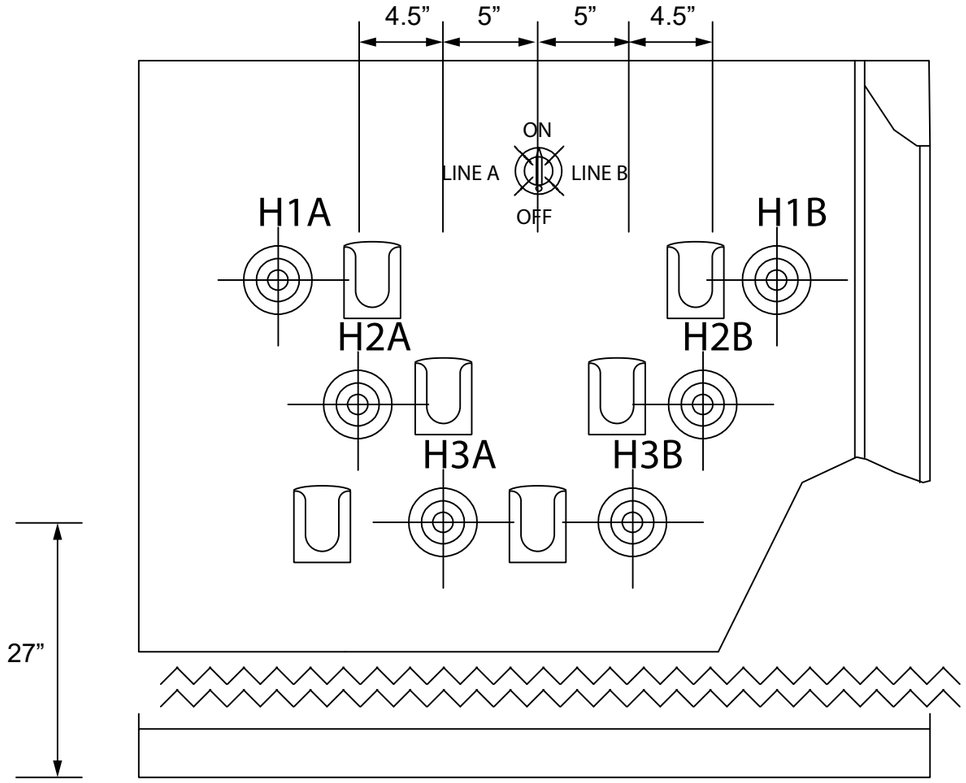
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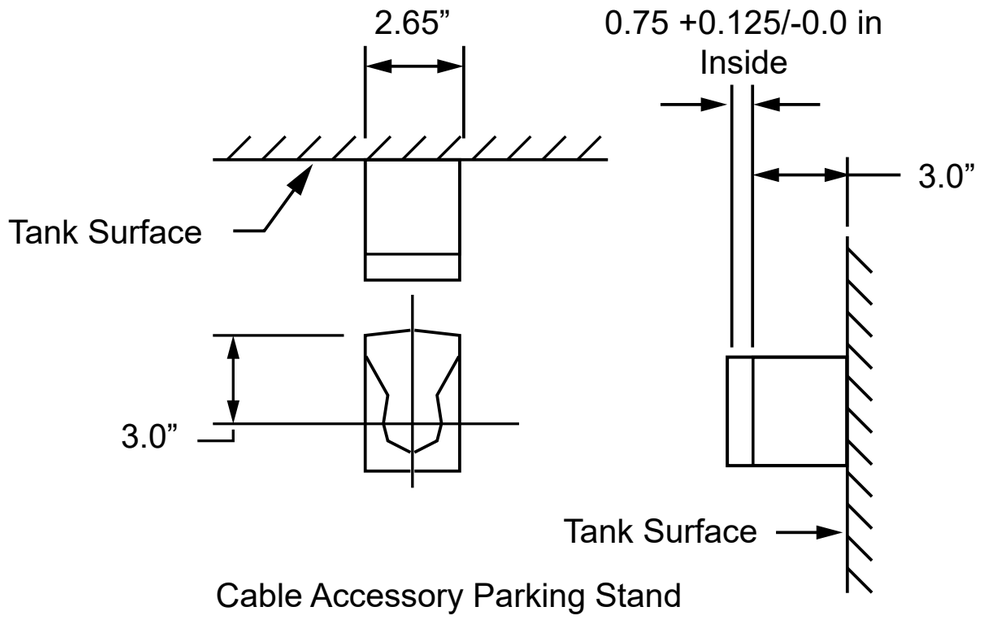
LARSON ELECTRONICS

SKU:
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Drg. No. :	Code:	Paper:	Rev.	Sheet:

High voltage Bushings





Cable Accessory Parking Stand

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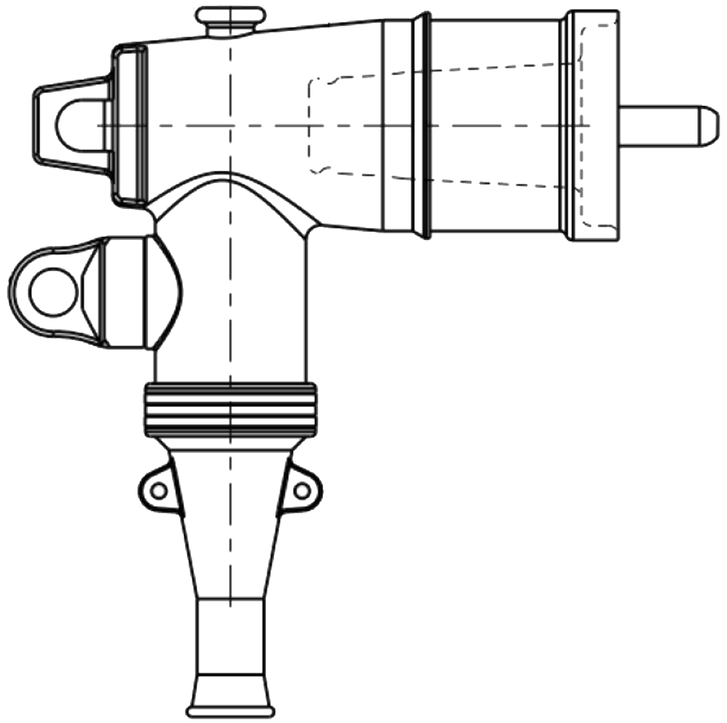
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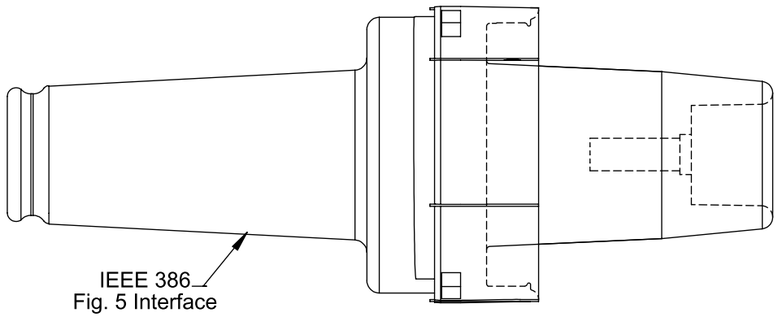
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High Voltage Bushings

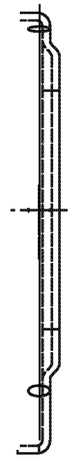
15 kV 200A Load Break Elbow Connector - Red



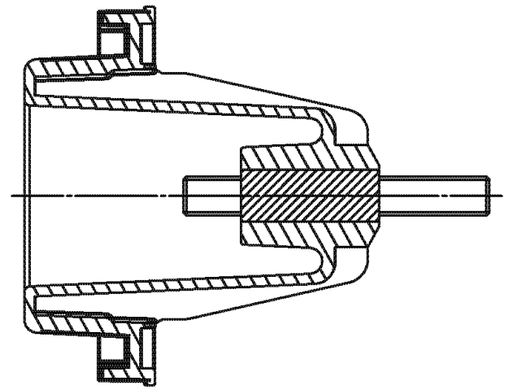
15 kV 200A Load Break Bushing Insert - Red



External Clamp



15/25 kV 200A Load Break Bushing Well



Product Ratings

Operating Voltage	8.3 kV Line-Ground 14.4 kV Line-Line
Impluse Withstand	95 kV BIL
AC Withstand	34 kV
DC Withstand	53 kV
Partial Discharge	11 kV CEV
Momentary	10 kA, 10 cycles
Continuous and Loadbreak Current	200 Amps
Color Code	Red per IEEE 386

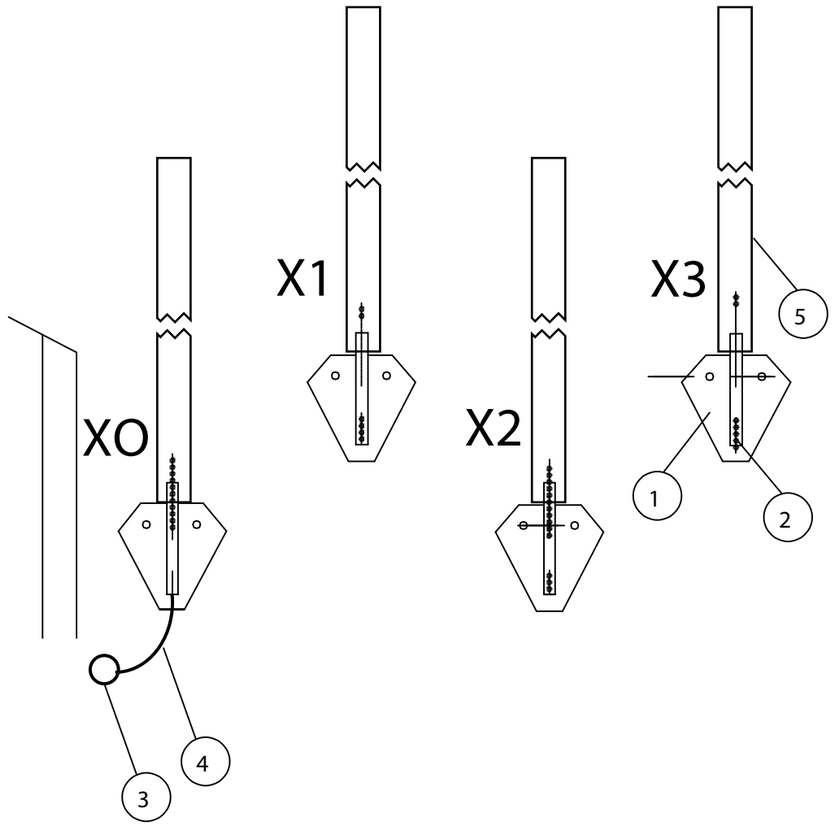
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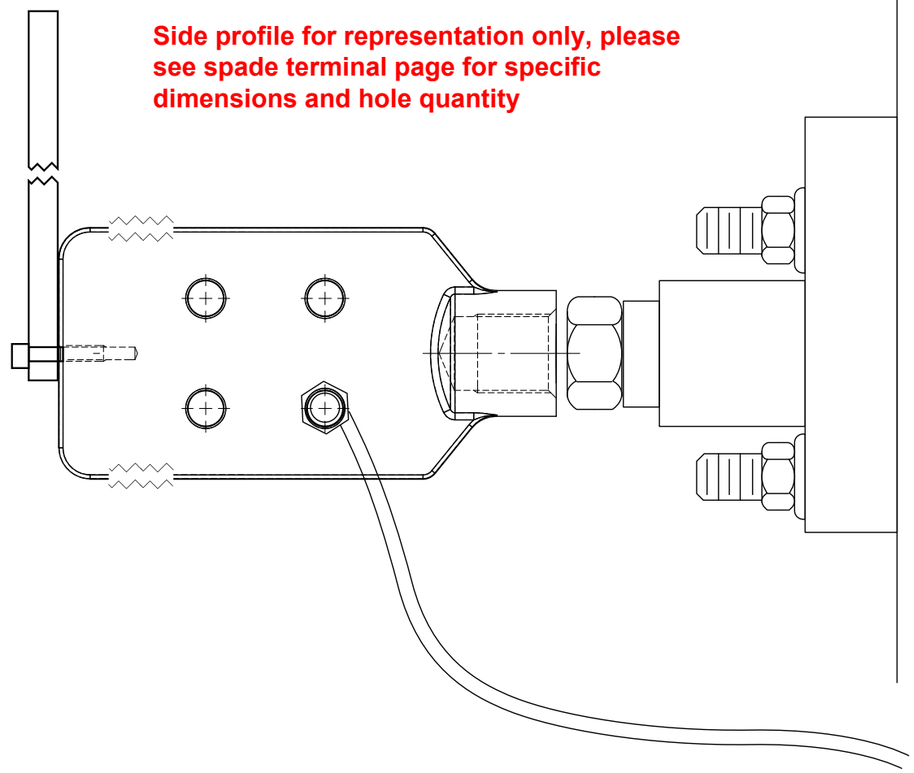
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LARSON ELECTRONICS

SKU:
MT-PML-R7-3P-GMQ-45KVA-YT-LT-DF-A6-BB-AZ-2B4-M1

Drg. No. :	Code:	Paper:	Rev.	Sheet:





NO.	Name	Remark
5	Spade Supports	Phenolic Weight Supports
4	Ground Strap	Copper, X0 to Tank
3	Ground Bung	1/2” NPT
2	Spade Terminal	NEMA Spade, 4-Hole
1	Low Voltage Bushing	5/8-11 x 1.25” Copper Stud

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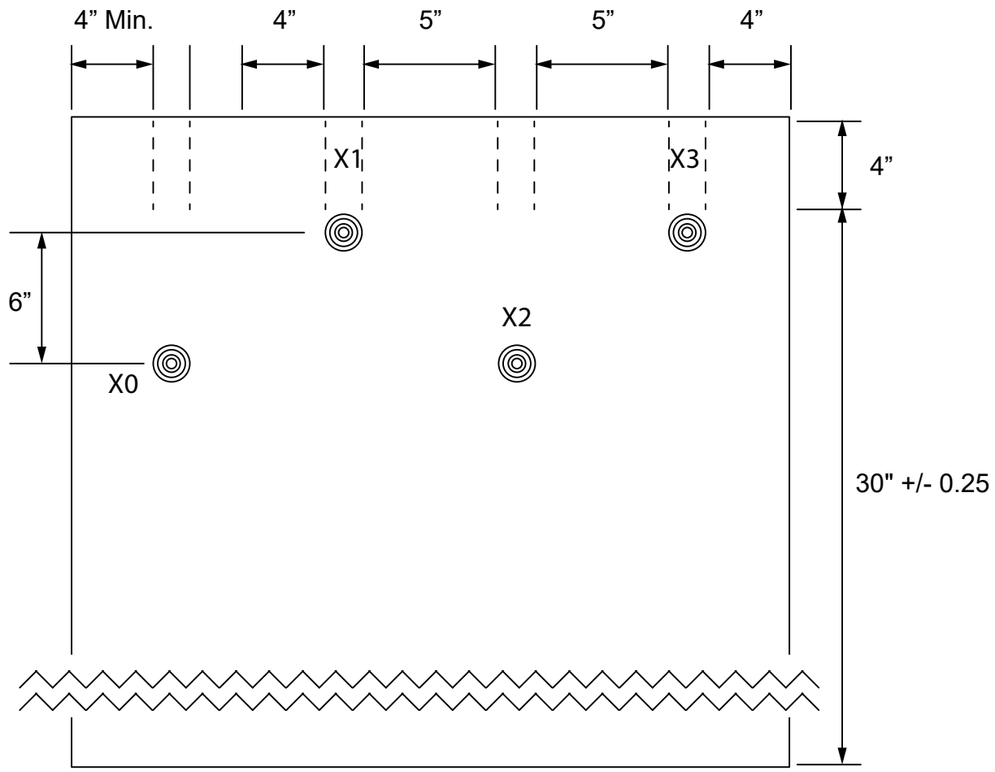
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SKU:
MT-PML-R7-3P-GMQ-45KVA-YT-LT-DF-A6-BB-AZ-2B4-M1

Drg. No. :	Code:	Paper:	Rev.	Sheet:

Low voltage Bushings



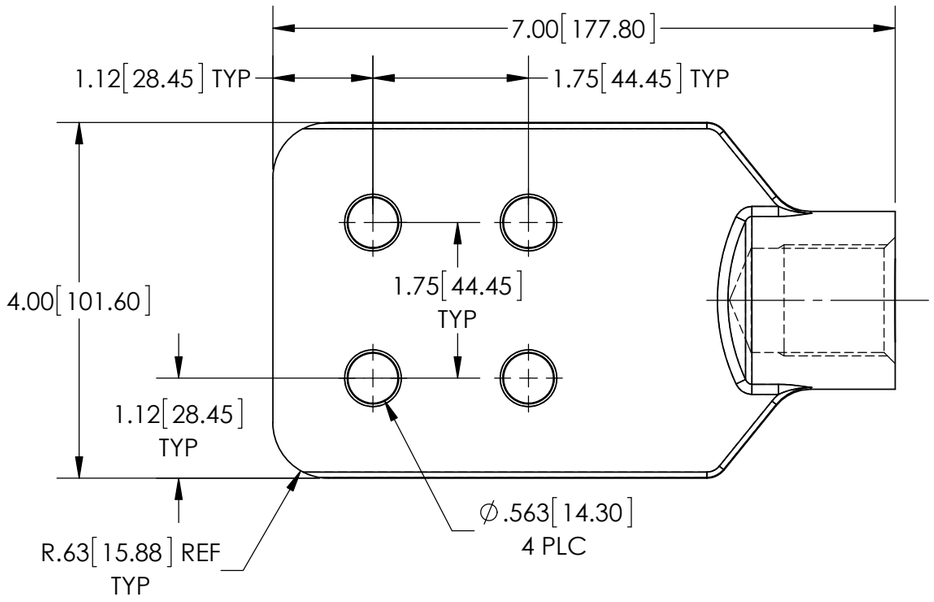
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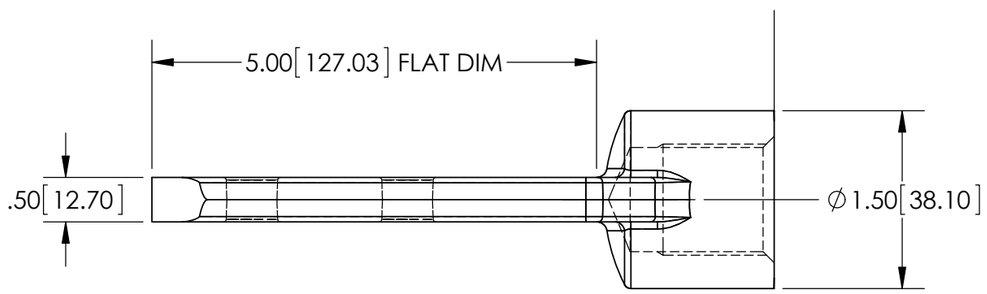
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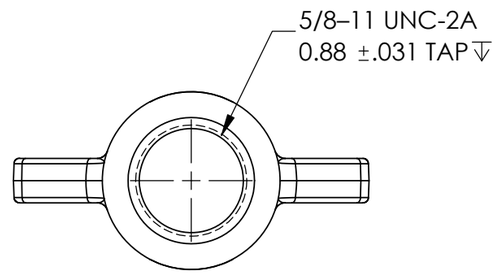
LARSON ELECTRONICS

SKU:
MT-PML-R7-3P-GMQ-45KVA-YT-LT-DF-A6-BB-AZ-2B4-M1

Drg. No. :	Code:	Paper:	Rev.	Sheet:







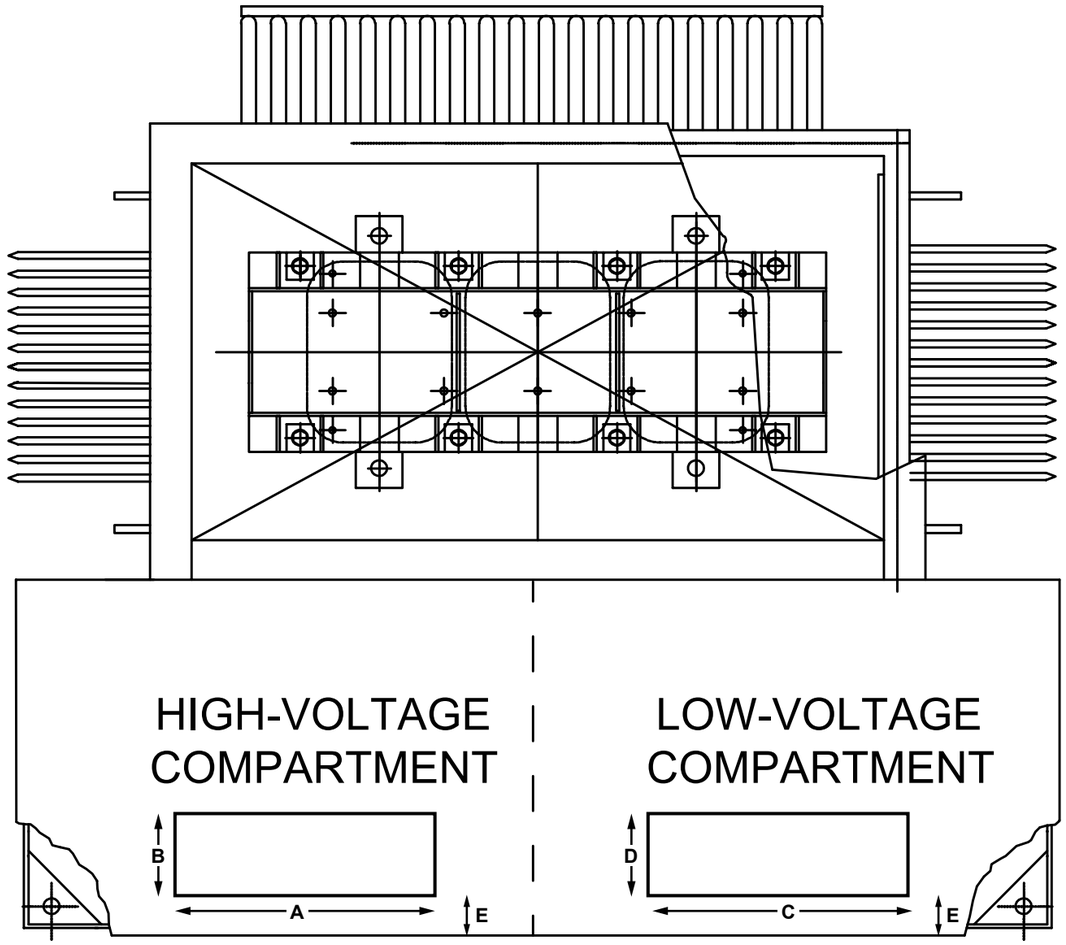
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MT-PML-R7-3P-GMQ-45KVA-YT-LT-DF-A6-BB-AZ-2B4-M1

Drg. No. :	Code:	Paper:	Rev.	Sheet:



PAD VIEW

	Description	Dimensions
A	HV Wire Hole Width	20”-W
B	HV Wire Hole Depth	5”-D
C	LV Wire Hole Width	20”-W
D	LV Wire Hole Depth	5”
E	Cabinet Front to Wire Hole Front	x” Max

All dimensions are in inches

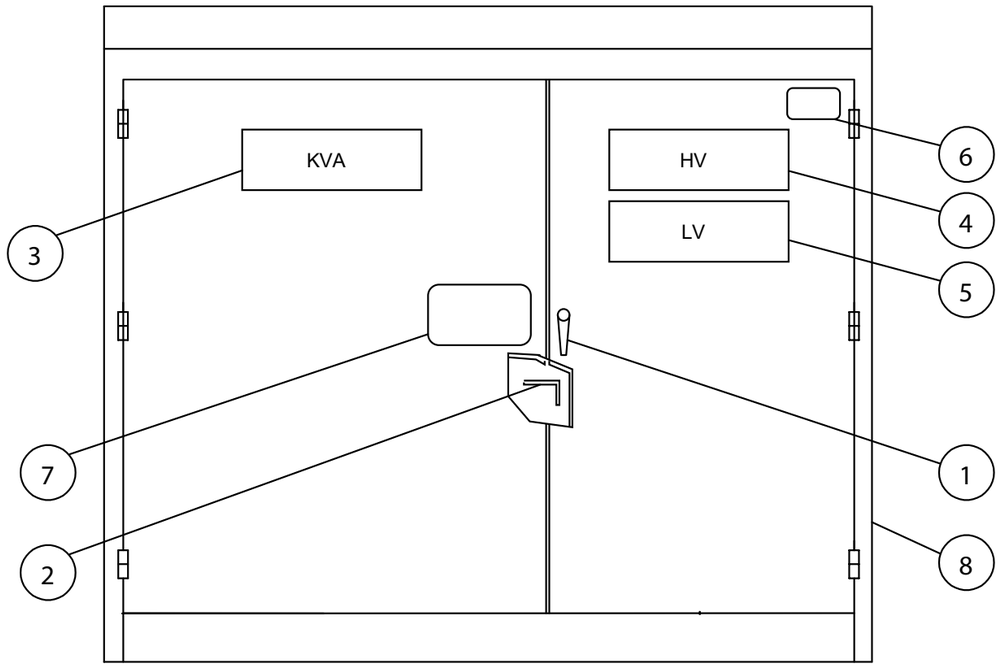
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LARSON ELECTRONICS

SKU:
MT-PML-R7-3P-GMQ-45KVA-YT-LT-DF-A6-BB-AZ-2B4-M1

Drg. No. :	Code:	Paper:	Rev.	Sheet:



FRONT VIEW

No	Name	Remark
1	LV Exterior Door Handle	Pentahead Bolt, Pad Lockable
2	HV Door Latch Pin	Spring Loaded, LV Access
3	KVA Stencil	Painted, Yellow
4	HV Stencil	Painted, Yellow
5	LV Stencil	Painted, Yellow
6	Non-PCB Label	White Border, Blue Background, Black Text
7	Mr. Ouchy Label	
8	Exterior Finish	Munsell™ 7.0 GY 3.29/1.5 Bell Green

All dimensions are in inches

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LARSON ELECTRONICS

SKU:
MT-PML-R7-3P-GMQ-45KVA-YT-LT-DF-A6-BB-AZ-2B4-M1

Drg. No. :	Code:	Paper:	Rev.	Sheet:

KVA Stencil

4”

45 KVA

HV Stencil

2.5”

13.2GY/7.6

LV Stencil

2.5”

208Y/120

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Designed by:	Checked by:	Approved by:	k.V.A:	Votage:	Date:	Scale:	Note! Do not scale copies

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MT-PML-R7-3P-GMQ-45KVA-YT-LT-DF-A6-BB-AZ-2B4-M1

Drg. No. :	Code:	Paper:	Rev.	Sheet:

NON-PCBs

Non-PCB Label

⚠WARNING

HAZARDOUS VOLTAGE INSIDE.

KEEP OUT!



Can shock, burn or cause death.
If found damaged or unlocked call your local utility company.

⚠WARNING



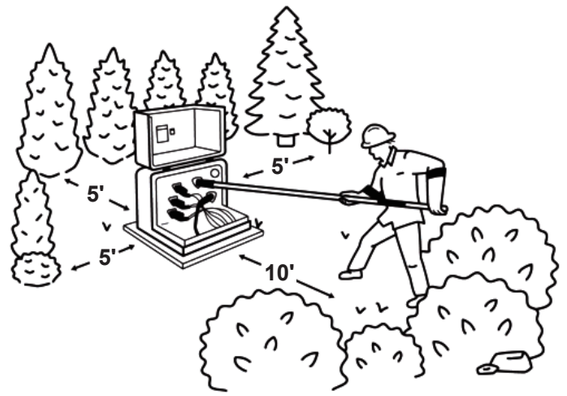
Underground power cables are located in this area.

Before digging call 811.

Can shock, burn or cause death.

811 Know what's below. 811 before you dig.

NOTICE



We need room to work safely on this device. Please keep shrubs and structures 10 feet away from the side with doors and 5 feet from other sides

Obstructions may be damaged or removed during service restoration or maintenance.

Mr. Ouchy Label

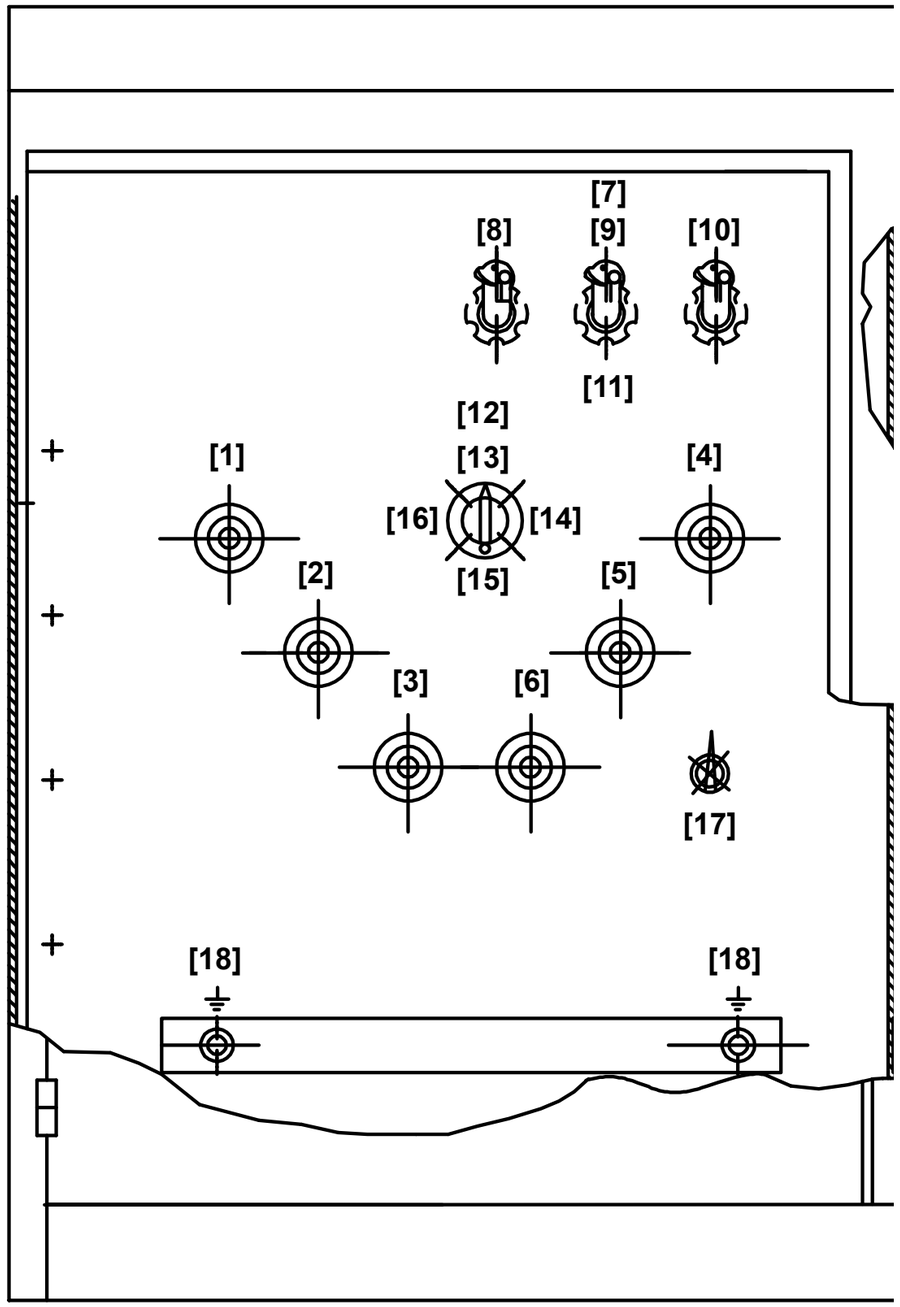
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SKU:
MT-PML-R7-3P-GMQ-45KVA-YT-LT-DF-A6-BB-AZ-2B4-M1

Drg. No. :	Code:	Paper:	Rev.	Sheet:



No	Description	Dimensions
1	H1A Label	White Border, Red Background, White Text
2	H2A Label	White Border, Red Background, White Text
3	H3A Label	White Border, Red Background, White Text
4	H1B Label	White Border, Red Background, White Text
5	H2B Label	White Border, Red Background, White Text
6	H3B Label	White Border, Red Background, White Text
7	Bayonet Label	White Border, Red Background, White Text
8	Fuse 1 Label	White Border, Red Background, White Text
9	Fuse 2 Label	White Border, Red Background, White Text
10	Fuse 3 Label	White Border, Red Background, White Text
11	Fuse Size Label	Yellow Border, Black Background, Yellow Text
12	Load Break Label	White Border, Red Background, White Text
13	LBOR Pos. 1 Label	White Border, Red Background, White Text
14	LBOR Pos. 2 Label	White Border, Red Background, White Text
15	LBOR Pos. 3 Label	White Border, Red Background, White Text
16	LBOR Pos. 4 Label	White Border, Red Background, White Text
17	Tap Changer Label	White Border, Red Background, White Text
18	Ground Label	White Border, Green Background, White Text

For approval / preliminary design only. Not for order build specific

Designed by:	Checked by:	Approved by:	k.V.A:	Votage:	Date:	Scale:	Note! Do not scale copies

LARSON ELECTRONICS

SKU:
MT-PML-R7-3P-GMQ-45KVA-YT-LT-DF-A6-BB-AZ-2B4-M1

Drg. No. :	Code:	Paper:	Rev.	Sheet:

[1] H1A

[2] H2A

[3] H3A

[4] H1B

[5] H2B

[6] H3B

[7] Bayonet Fuses

[8] A Fuse

[9] B Fuse

[10] C Fuse

[11] Transformer is equipped with ___ Curve Bayonet fuses rated at ___A and ___ Curve partial current limiting fuses rated at ___A

[12] 4-Position Load Break Switch

[13] B ON

[14] A & B ON

[15] A & B OFF

[16] A ON

[17] Tap Changer Switch

[18]



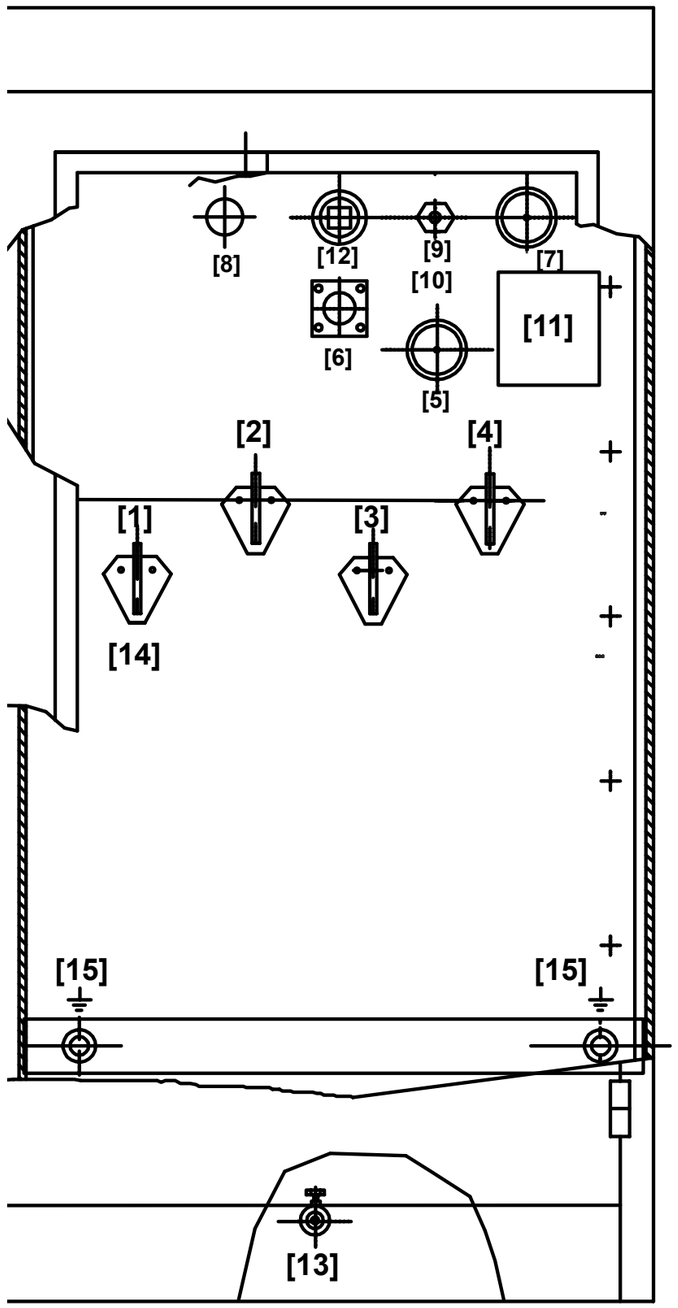
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Drg. No. :	Code:	Paper:	Rev.	Sheet:



No	Description	Dimensions
1	XO Label	White Border, Red Background, White Text
2	X1 Label	White Border, Red Background, White Text
3	X2 Label	White Border, Red Background, White Text
4	X3 Label	White Border, Red Background, White Text
5	Temperature Gauge Label	White Border, Red Background, White Text
6	Oil Gauge Label	White Border, Red Background, White Text
7	Pressure/Vacuum	White Border, Red Background, White Text
8	Gas Sampler Label	White Border, Red Background, White Text
9	Pressure Relief Label	White Border, Red Background, White Text
10	Pressure Label	Yellow Border, Black Background, Yellow Text
11	Nameplate	Stainless Steel, Riveted to Tank
12	Oil Fill Label	White Border, Red Background, White Text
13	Oil Drain Label	White Border, Red Background, White Text
14	X0 Ground Label	White Border, Green Background, White Text
15	Ground Label	White Border, Green Background, White Text

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LARSON ELECTRONICS

SKU:
MT-PML-R7-3P-GMQ-45KVA-YT-LT-DF-A6-BB-AZ-2B4-M1

Drg. No. :	Code:	Paper:	Rev.	Sheet:

[1] X0

[2] X1

[3] X2

[4] X3

[9] Pressure Relief Valve

[5] Temperature Gauge

[7] Pressure Gauge

[6] Oil Level Gauge

[12] Oil Fill Valve

[13] Oil Drain Valve

10 This unit is equipped with an automatic action pressure relief valve with below characteristics: Cracking Pressure @ __ PSIG, Releasing Pressure @ __ PSIG, Flow @ __ PSIG (__ SCFM)

[8] Gas Sampler

[15] GROUND PER NEC 250

[14]

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Designed by:	Checked by:	Approved by:	k.V.A:	Votage:	Date:	Scale:	Note! Do not scale copies

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Drg. No. :	Code:	Paper:	Rev.	Sheet: