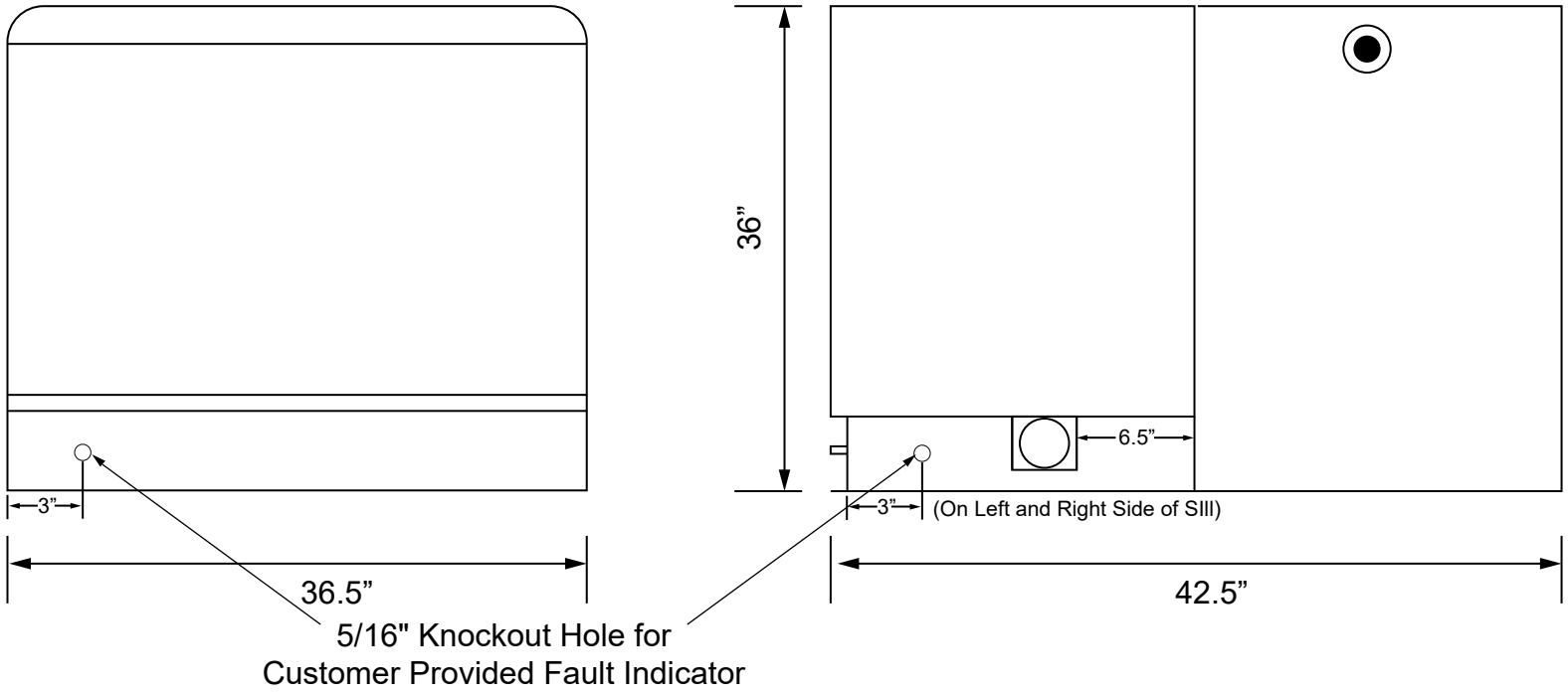


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TITLE:

MT-PML-R24-1P-GMA-100KVA-SZ-LT-DF-Z6-BM-CZ-3B4-M1

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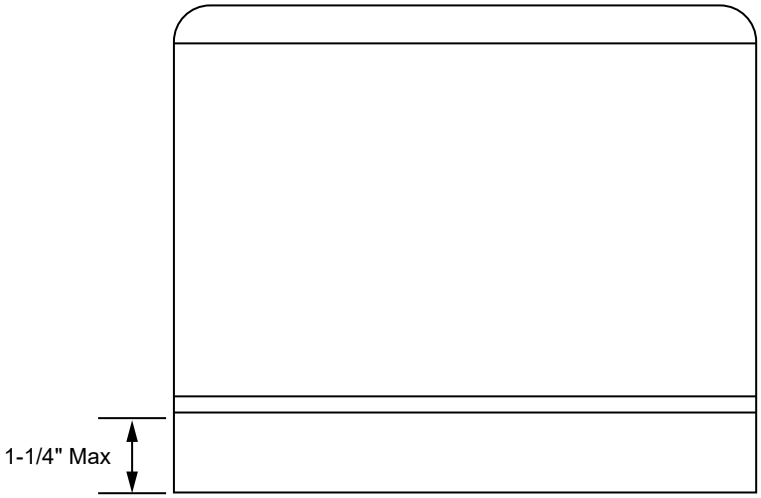
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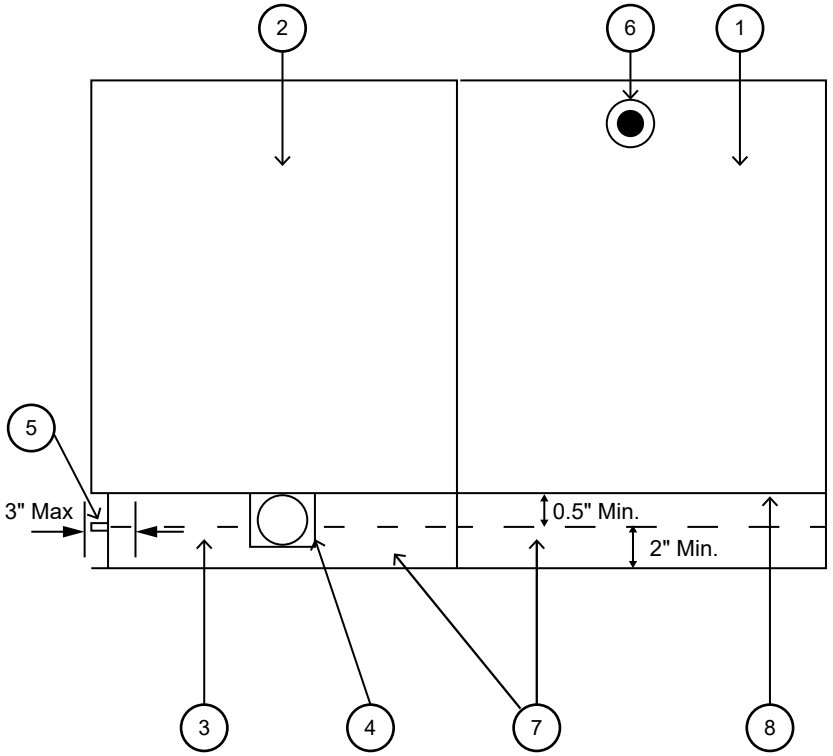
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	CHECKED	JEREMY BLANKENSHIP
DO NOT SCALE DRAWING		

SIZE	DWG. NO.	REV
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SHEET 1 OF 7

5 4 3 2 1





NO.	NAME
1	Transformer Tank
2	Lift-Up Hinged Lid
3	Removable Base Sill, Steel w/ 2" Undercoating
4	2.5" Dia. Access Hole w/ Cover Plate
5	Pentahead Bolt w/ Padlock Provision
6	Lifting Boss
7	Tank Skirt, Steel w/ 2" Undercoating
8	Tank Faceplate, Steel

Approx Weight: 2,024.36 Lbs
Approx Fluid Capacity: 102.67 Gal

Mineral Oil, Non-PCB Containing Fluid

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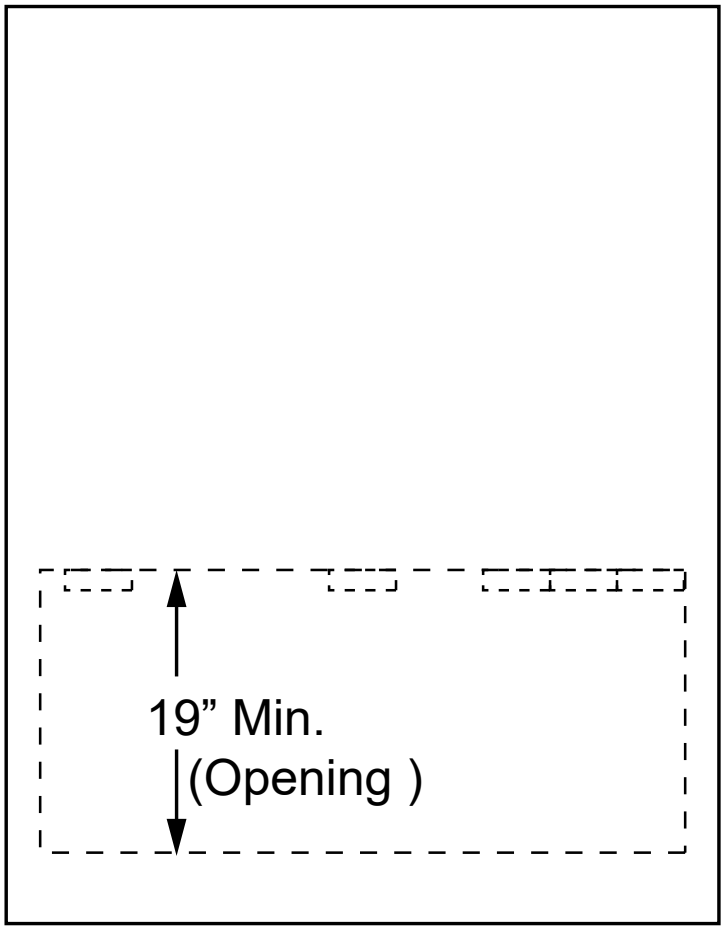
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SHEET 2 OF 7

5 4 3 2 1



TOP

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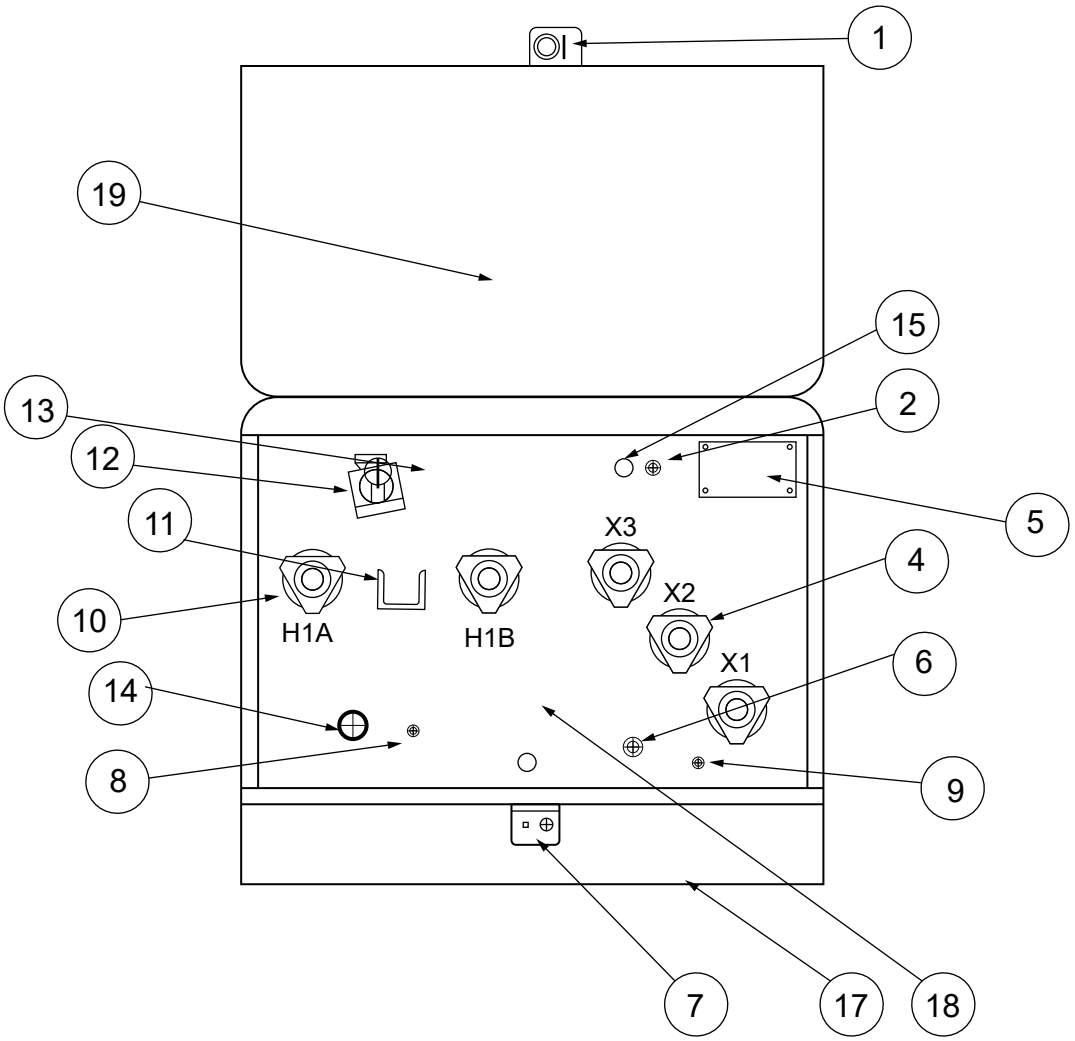
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SHEET 3 OF 7

5 4 3 2 1



SQ	NAME	QTY	REMARK
1	Lock mechanism	1	Pentahead Bolt
2	Pressure relief valve	1	automatic action
3	oil level gauge	0	N/A
4	Low Voltage Bushing	3	Copper Stud w/ Jam Nuts
5	Name Plate	1	stainless steel riveted
6	Drain Plug	1	1/2" NPT Port w/ Bolt Plug w/o Sampler
7	Padlock Posistion	1	
8	HV Grounding Lug	1	1/2"-13 UNC x 7/16" Deep
9	LV Grounding Lug	1	1/2"-13 UNC x 7/16" Deep
10	High-voltage Bushing Wells	2	200A Integral Bushings
11	Parking Stand for Elbow Connectors	1	
12	Bayonet Fuse	1	w/ Flapper & Drip Shield
13	Backup Current Limiting Fuse	1	Oil Immersed in Tank
14	Load Break Switch	1	4-Pos. LBOR
15	Fill Plug	1	1/2" NPT Port w/ Bolt Plug
16	Temperature Gauge	0	N/A
17	Transformer Base	1	steel
18	Transformer Housing	1	steel
19	Lift Up Lid	1	steel
20	Pressure/Vacuum Gauge	0	N/A
21	Surge Arrester	1	Under Oil, 27 kV Class, 22 kVrms

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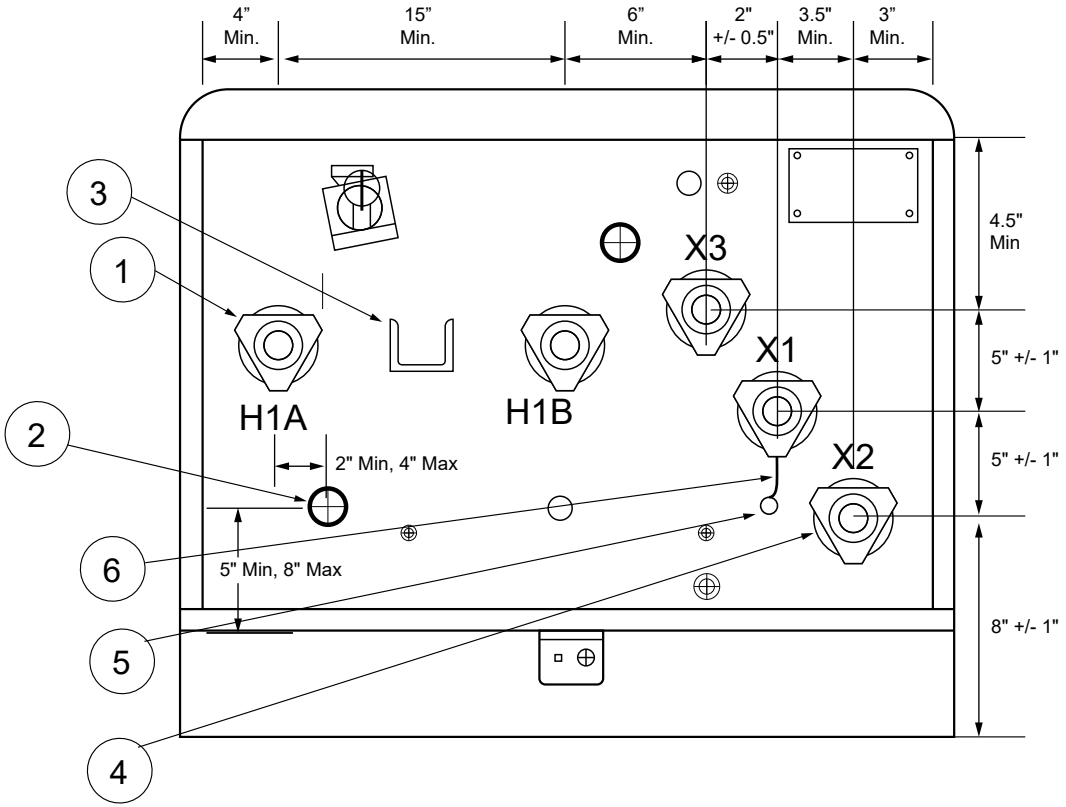
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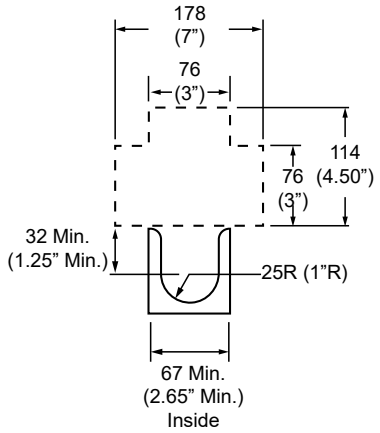
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SHEET 4 OF 7

5 4 3 2 1



Parking stand



127 mm (5 in) minimum height at front of sill as viewed with door open (inclusive of any baffles)

NO.	NAME	BIL	KV RATING	AMPERAGE	REMARK
1	HV Bushing Wells	150 kV	35 kV	200A	Well Bushings w/ Inserts
2	Load Break Switch	150 kV	35 kV	200A	4-Pos. LBOR
3	Parking Stand				
4	LV Bushings	30 kV	1.2 kV		1"-14 x 1.75" Copper Stud
5	X2 Ground Boss				1/2"-13 UNC x 7/16" Deep
6	X2 Ground Strap Copper				Copper, X0 to Tank

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TITLE:

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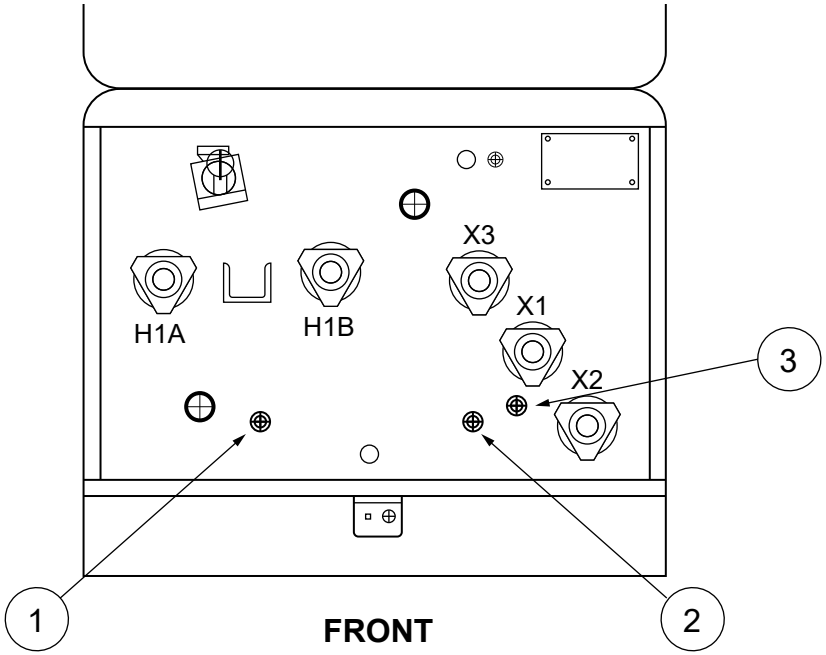
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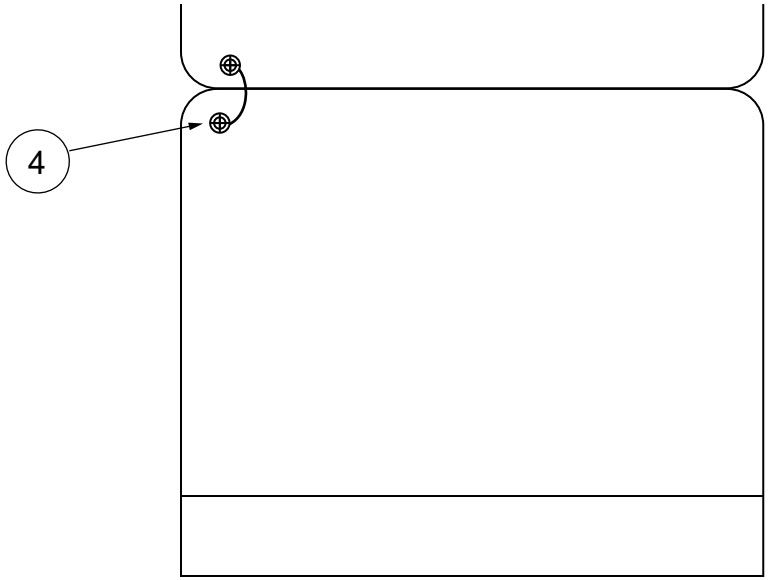
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FRONT



BACK

NO.	NAME	QTY	REMARK
1	HV Ground Boss	1	1/2”-13 UNC x 7/16” Deep
2	LV Ground Boss	1	1/2”-13 UNC x 7/16” Deep
3	X2 Ground Boss	1	1/2”-13 UNC x 7/16” Deep
4	Tank to Lid Ground	1	4 AWG Flexible Copper Braid Ground Strap

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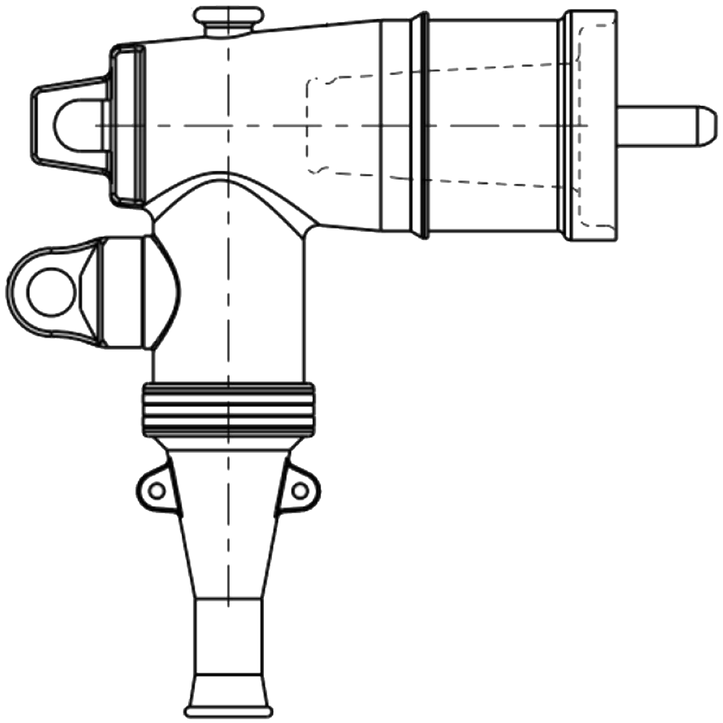
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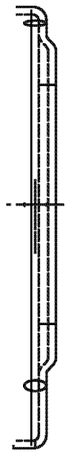
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High Voltage Bushings

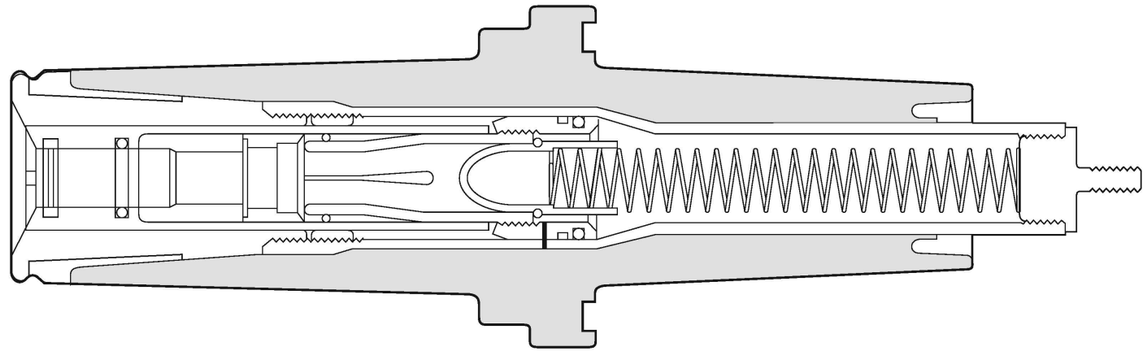
35 kV 200A Load Break Elbow Connector Off White



External Clamp



35 kV 200A Load Break Integral Bushing - Off White



INTERFACE COMPLIES WITH IEEE 386 FIGURE 9

Product Ratings

Operating Voltage	21.1 kV Line-Ground 36.6 kV Line-Line
Impluse Withstand	150 kV BIL
AC Withstand	50 kV
DC Withstand	103 kV
Partial Discharge	26 kV CEV
Momentary	10 kA, 10 cycles
Continuous and Loadbreak Current	200 Amps
Color Code	White per IEEE 386

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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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