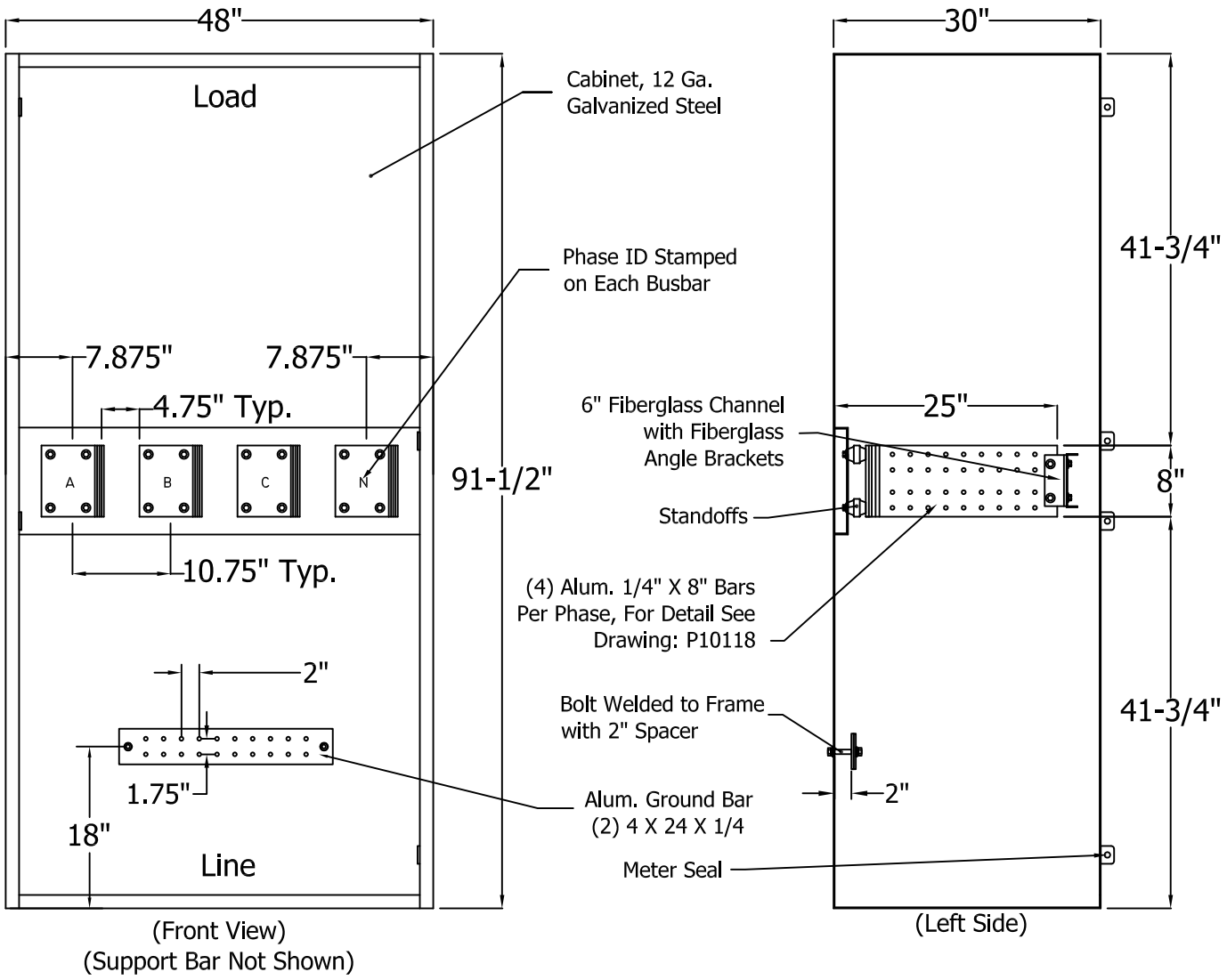

5000 Amp Power Termination Cabinet

- Termination cabinets are constructed with all welded seams. Material is 12 Ga. galvanized sheet steel, conforming with ASTM A-924 & G90-U.
- Cabinets are provided with a 2-piece removable screw cover front with provisions for meter seals.
- Bottom is open with a 1 1/2" internal flange. 1/2" holes are provided for mounting.
- Aluminum busbars to accommodate 18 sets of conductors on both line and load.
- Total custom capability allows us to meet a wide range of customer needs. We can supply special sizes, shapes, holes, or cutouts.
- Termination cabinets are constructed in accordance with UL Bulletins 50 and 1773, and available in NEMA types 1 & 3R.

Dominion Virginia Power Approved Part# PTCDV5

DWG. TITLE:	Power Termination Cabinet 5000A / 3 Phase - Part# PTCDV-5
DWG. NO.:	P10117
MATERIAL:	12 Ga. Galvanized ASTM A924 - G90-U
FINISH:	N/A

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METAL FABRICATION
Phone: (703)-464-5944 Fax: (703)-464-5992
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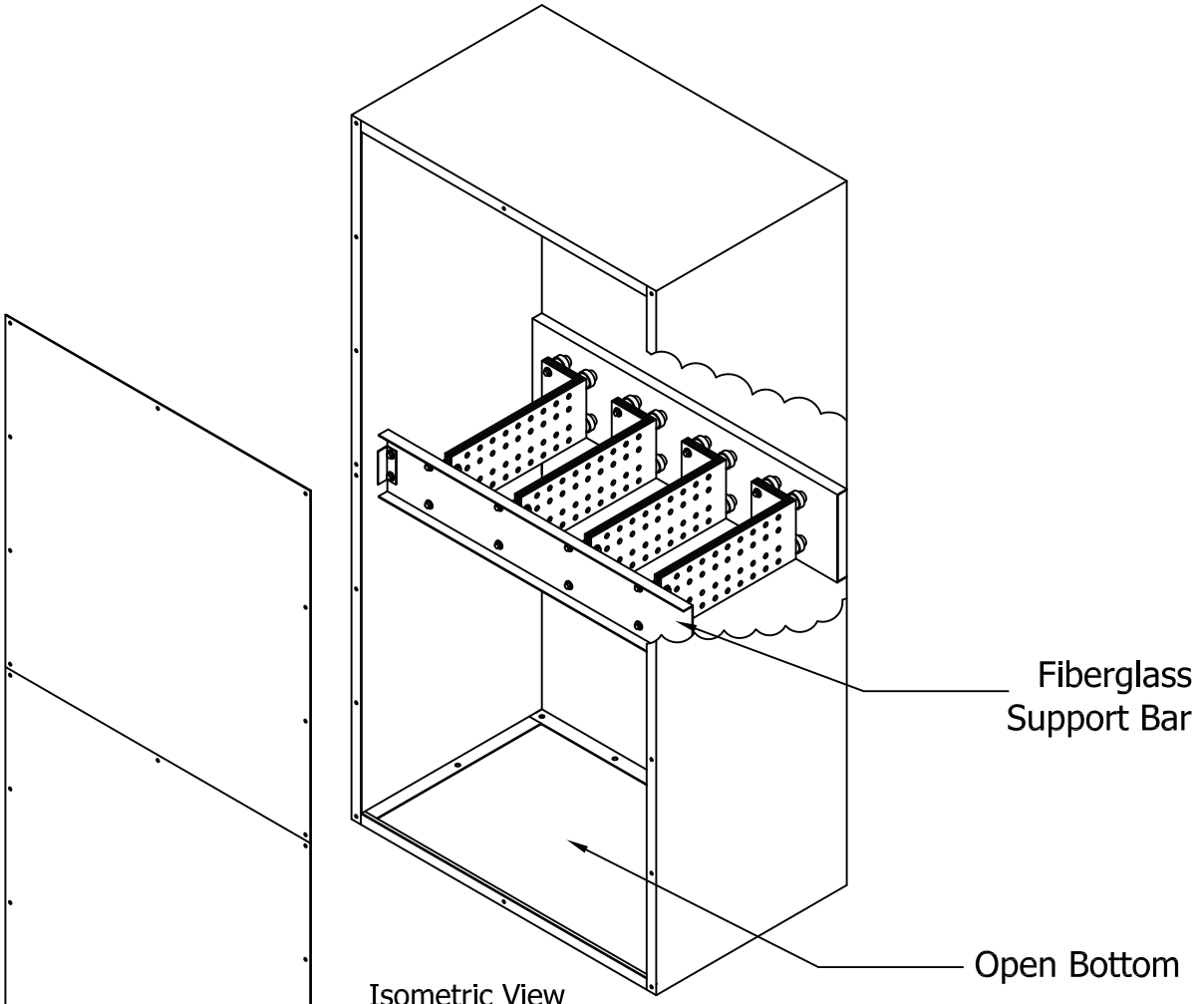
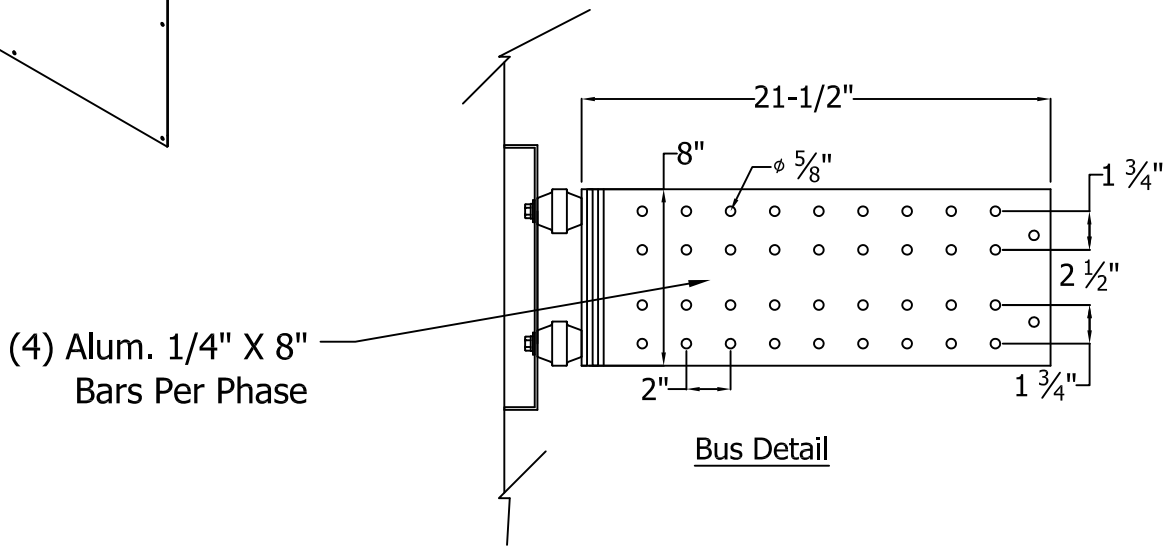


Isometric View



Bus Detail

Dominion Virginia Power Approved Part# PTCDV5

DWG. TITLE:	5000A Termination Cabinet Isometric Detail - Part# PTCDV-5
DWG. NO.:	P10118
MATERIAL:	12 Ga. Galvanized ASTM A924 - G90-U
FINISH:	N/A

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Dominion Virginia Power Termination Cabinets Notes

1 - CABINET FABRICATION IS A WELDED CONSTRUCTION IN ACCORDANCE WITH NEMA TYPE 3R SPECIFICATIONS. MATERIAL IS 14 GAUGE (PART NO. PTCDV1) AND 12 GAUGE (PART NOS. PTCDV-2/3/4/5) G-90U GRADE GALVANIZED STEEL IN ACCORDANCE WITH ASTM A924 - G90-U. ALL JOINTS AND SEAMS ARE WELDED THEN REFINISHED WITH GALVANIC COATING TO PRESERVE FINISH.

2 - BUSS BAR MOUNTING CHANNELS ARE FABRICATED FROM 12 GAUGE G-90U GRADE GALVANIZED STEEL IN ACCORDANCE WITH ASTM A924.

3 - BUSS BARS ARE FABRICATED FROM ALUMINUM ALLOY BAR STOCK, 1/4" THICK, 6101-T61 IN ACCORDANCE WITH ASTM B317. MINIMUM ELECTRICAL CONDUCTIVITY AT 20° C % IACS IS 57%. BUSS BARS ARE PUNCHED TO ACCOMMODATE STANDARD 2 HOLE HIGH-PRESS LUGS.

4 - ALL STANDOFF INSULATORS ARE MOLDED OF UL RECOGNIZED FLAME RESISTANT FIBERGLASS-REINFORCED THERMOSET POLYESTER MOLDING COMPOUND WITH THREADED INSERTS AT EACH END. UL RECOGNIZED ACCORDING TO UL STANDARD FOR SAFETY 891. VOLTAGE RATING FOR STANDOFFS USED ON PART NOS. PTCDV-1/2/3 600V; PART NOS. PTCDV-4/5, 2300V.

5 - GRADE 5 PLATED STEEL HARDWARE FOR LUG CONNECTIONS IS PROVIDED.

6 - ALTERNATE CONFIGURATIONS OF CABINETS, CHANNELS, AND BUSS BARS MAY BE PROVIDED TO MEET YOUR REQUIREMENTS UPON REQUEST.

7 - POWER TERMINATION CABINETS ARE 600 VOLT CLASS.

8 - ALL POWER TERMINATION CABINETS ARE UL LABELED.

PART NUMBER	USAGE	AMPERAGE RATING	CONDUCTORS PER PHASE	CABINET DIMENSIONS		
				HEIGHT	WIDTH	DEPTH
PTCDV-1	INDOOR/ OUTDOOR	0 - 400	4- MAX	36"	30"	13"
PTCDV-2	INDOOR/ OUTDOOR	401-1200	4- MAX	48"	36"	14"
PTCDV-3	INDOOR/ OUTDOOR	1201-3000	6- MAX	60"	48"	19"
PTCDV-4	INDOOR/ OUTDOOR	3001-4000	12- MAX	91.5"	48"	30"
PTCDV-5	INDOOR/ OUTDOOR	4001-5000	18- MAX	91.5"	48"	30"

DWG. TITLE: Power Termination Cabinet PTCDV1 - PTCDV5 for Dominion Virginia Power Specifications

DWG. NO.: P10100

MATERIAL: Specifications

FINISH:

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