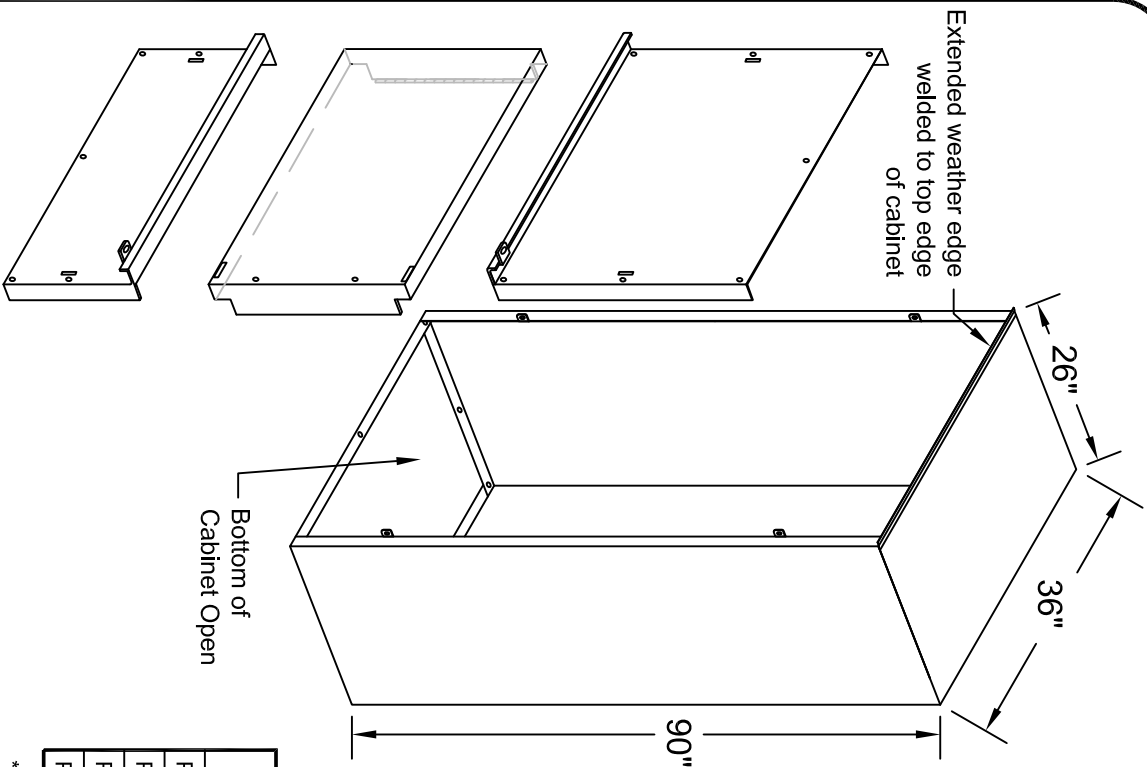


**Pre-Approved PHICT403 Metering Busbar  
Construction / 3001-4000 Amp**

**PHICT403 3-Phase Metering C/T Cabinet / 3001-4000Amp / NEMA 3R**

- o C/T cabinets are constructed with all welded seams. Material is 12Ga. galvanealed sheet steel, conforming with ASTM A-653 and Powder Coat, ANSI 61.
- o Busbars are fabricated from Silver Plated Copper and aluminum alloy. (Ref. drawing # PHICT-403-3)
- o Busbar supports are molded of UL recognized flame resistant fiber glass reinforced compound.
- o Cabinets are provided with gasketed removable access panels top and bottom. Mid-section has hinged, gasketed door for access to C/T's. Panels and door are supplied with utility seal tabs.
- o PHI C/T cabinets are constructed in accordance with UL and NEMA 3R specifications & PHI drawings 7-5-0606 & 7-5-0695.




PHICT Part #	AMPERAGE RATING	ENCLOSURE			CT THRU BAR	BUSSING			NO. LANDINGS	
		W	H	D		LINE/LOAD	NEUTRAL	LINE	LOAD	
PHICT153	801-1500	36"	90"	19"	CU-(2) 1/4"x 4"	AL-(2) 1/4"x 4"	AL-(1) 1/4"x 4"	8	4*	
PHICT203	1501-2000	36"	90"	26"	CU-(3) 1/4"x 4"	AL-(3) 1/4"x 4"	AL-(2) 1/4"x 4"	14	14	
PHICT303	2001-3000	36"	90"	26"	CU-(4) 1/4"x 4"	AL-(6) 1/4"x 4"	AL-(2) 1/4"x 4"	14	14	
PHICT403	3001-4000	48"	90"	26"	CU-(4) 1/4"x 5"	AL-(6) 1/4"x 6"	AL-(2) 1/4"x 4"	14	14	

\*Optional kit available, kit provides equal load landings as line side landings\*

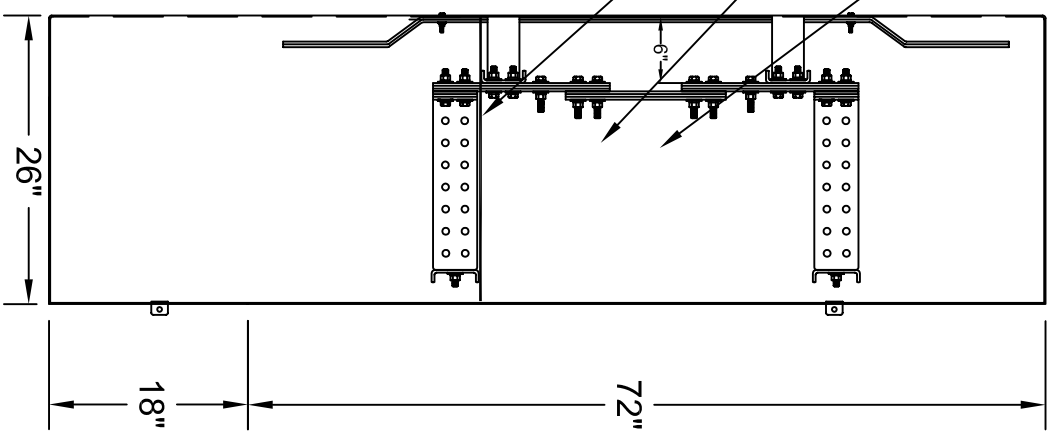
DWG. TITLE:	3-Phase Metering CT Cabinet
DWG. NO.:	NEMA 3R / 4000 Amp
MATERIAL:	PHICT-403-1
FINISH:	ASTM A653 Galvanealed Painted Gray

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 METAL FABRICATION  
 Phone: (703)-464-5944 Fax: (703)-464-5992  
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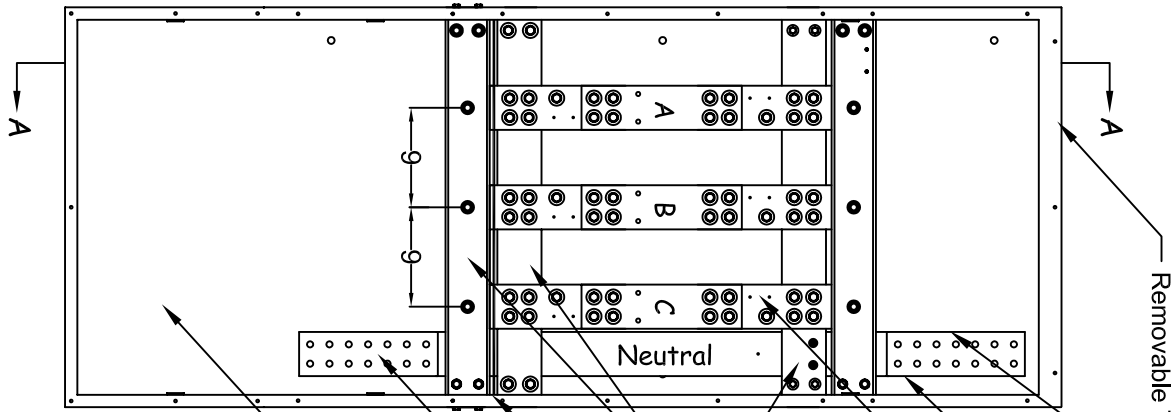
**Pre-Approved PHICT403 Metering Busbar  
Construction / 3001-4000 Amp**

Jumper Bars Are Removable  
to Facilitate Installation of CT's  
All 1/2" dia. Hardware is Grade 5,  
Stainless Steel w/ Flat & Split  
Washers, and Nuts  
1/4" GPO-3 Fire Resistant  
Fiberglass Barrier



**Section A-A**

**Cabinet with Covers  
and Door Removed**



Removable Top Cover  
Utility Seal Tabs  
2 Per Cover  
Non-Insulated Neutral  
Bar Mounting Studs  
10/32" Tapped Hole  
For Metering  
(3) 4"x1 1/4" Fiberglass  
Mounting Channel  
1/4" GPO-3 Fire Resistant  
Fiberglass Barrier  
Neutral Bar to Accommodate  
10 Conductors Ea. End,  
Line & Load w/5/8" Holes  
Per PHI, 18" Skirt for  
Bottom Fed Services.  
\*18" (H) Trough Provided  
for Top Fed Services.

DWG. TITLE: 3-Phase Metering CT Cabinet  
NEMA 1 / 4000 Amp

DWG. NO.: PHICT-403-2

MATERIAL: ASTM A653 Galvanealed

FINISH: Painted Gray

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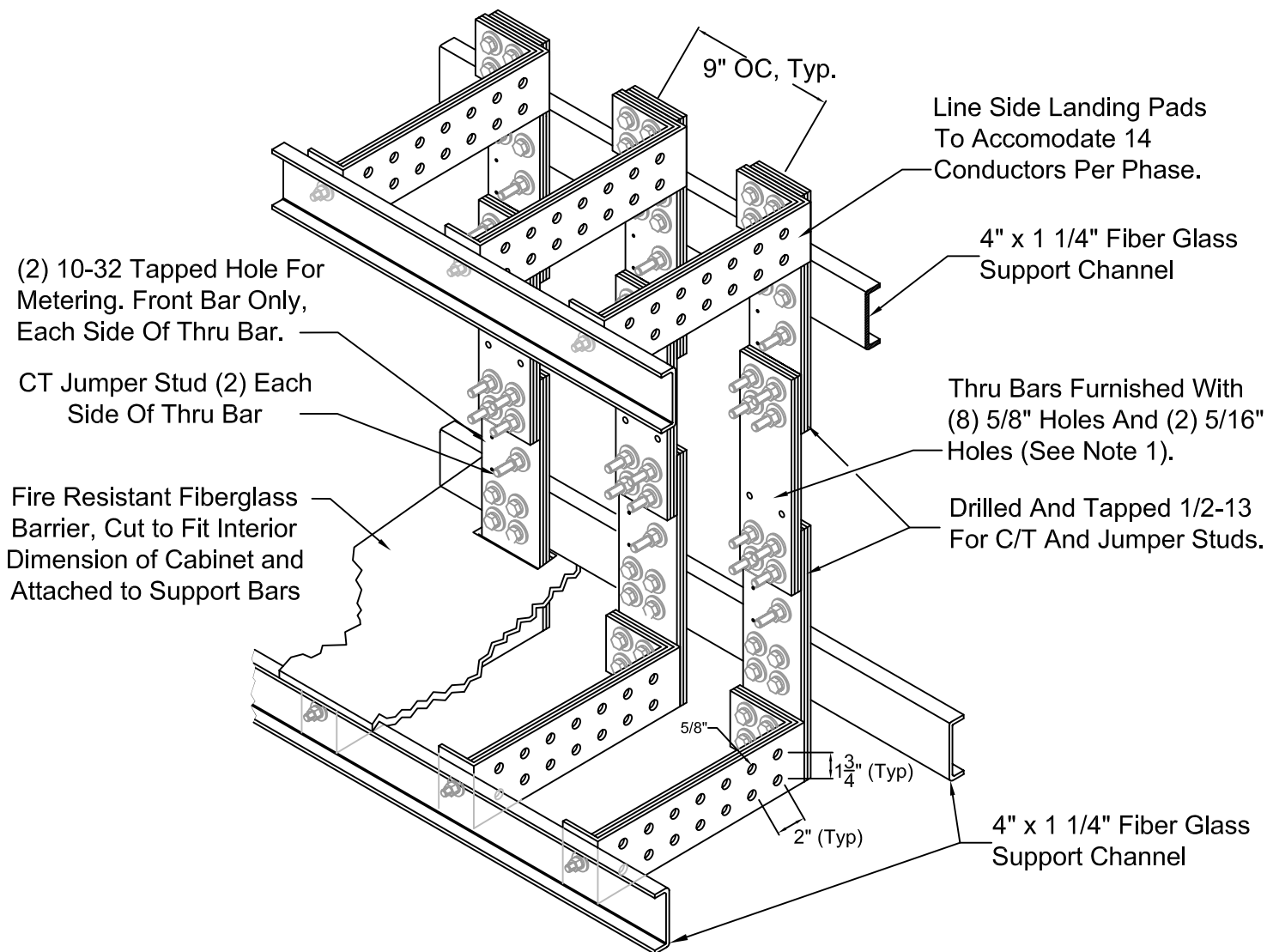
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**Pre-Approved PHICT403 Metering Busbar  
Construction / 3001-4000 Amp**



**Notes:**

1. **Bussing built to UL 1773 & UL 891.**
2. **Unless otherwise noted, all hardware to be stainless steel.**
3. **Line-Load & Neutral bars furnished as 1/4" thick, 6101-T61 aluminum alloy per ASTM B317.**  
CT thru bars are to be 1/4" thick, silver plated copper bar.
4. **1/4" GPO-3 Fiberglass barrier mounted above 'line' landings.**

\* Drawing for reference only, see chart on sheet 301-1 for proper bar & landing configurations.

DWG. TITLE:	PHI Metering Busbar Construction / 3001-4000 Amp
DWG. NO.:	PHICT-403-3
MATERIAL:	As Noted
FINISH:	N/A

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