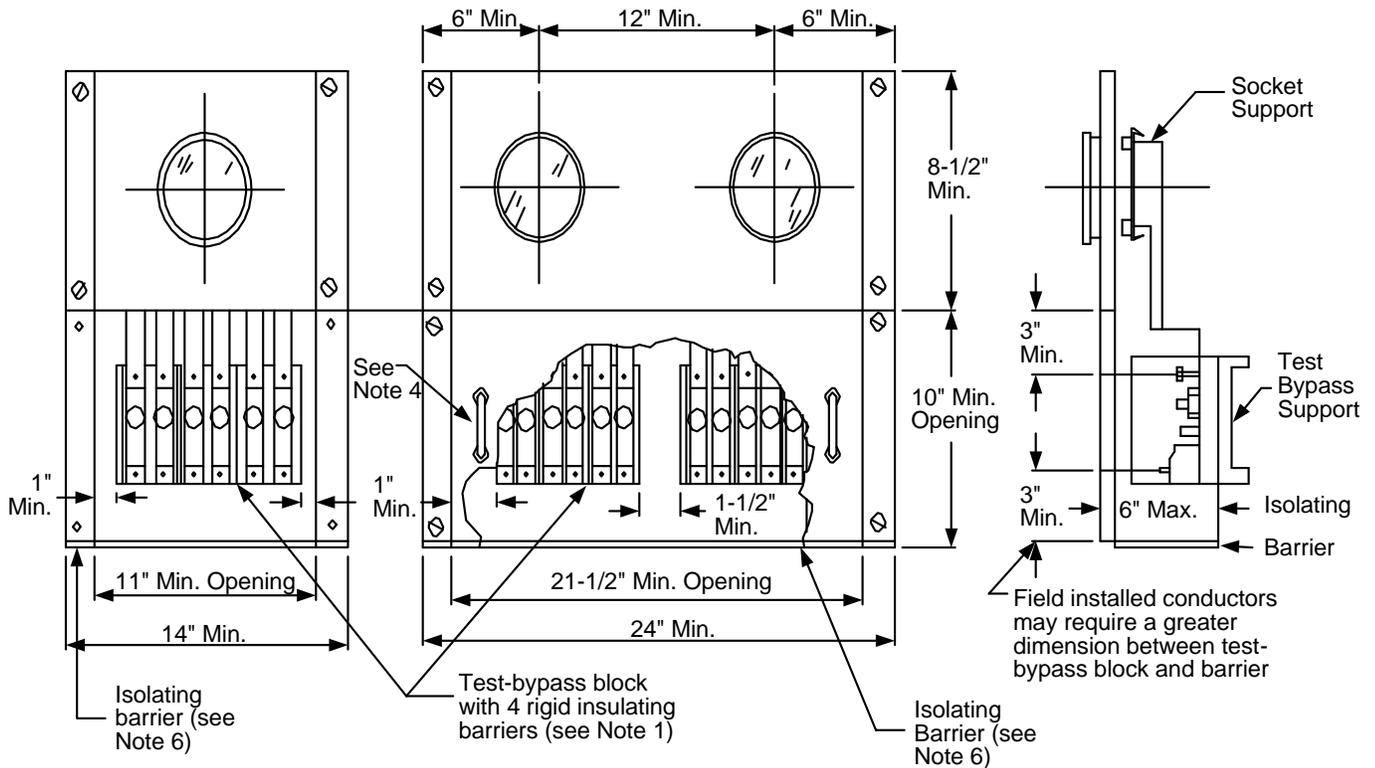


# Metering Equipment: Material Requirements



**All Dimensions Shown are in Inches**

## NOTES:

1. Test-bypass blocks with rigid insulating barriers shall be furnished, installed, and wired or bussed to the meter socket by the manufacturer. Connection sequence is line-load from left to right.
2. Metered conductors shall not pass through metering compartments except in enclosed wireways. To ensure proper identification of cables in factory cabled equipment, metered cables (except in the test-bypass area), shall be either physically barriered or bundled so as to separate them from unmetered cable or permanently marked and isolated from unmetered cables. Physical barriers will not be required if the unmetered conductors are bus.
3. Meter panels shall be removable with a maximum of two meters per panel. Panels shall be non-removable when the meter is in place. Meter socket is to be supported independent of and attached to the meter panel.
4. Test-bypass block cover panel shall be sealable and fitted with a lifting handle. All panels exceeding 16" in width shall require two lifting handles.
5. When a neutral is required for metering or testing, an insulated neutral terminal shall be provided behind each test-bypass cover panel. The terminal shall be readily accessible when the cover panel is removed and shall be individually connected to the neutral bus with a minimum size No. 8 AWG copper wire.
6. A factory-installed, full-width insulating barrier shall be located at the bottom of each test-bypass compartment. In addition, a full width and depth isolating barrier shall be located below the bottom test-bypass compartments and above the load terminals of the meter disconnect devices. If a factory-installed rear load wireway is provided, the isolating barrier shall extend back to that wireway. Ventilation openings, when provided, shall not exceed a maximum of 1-1/2" in depth and may extend to the width of

				Electric Service Requirements		<b>RPM-6</b>
				<b>Self-Contained Meters Installed in Switchboards: 0-200 Amps</b>		
Drawn:	Eng:	Appr:	Date:			Revision: 1
DH	DH	DA	10/06			Page 1 of 2

## Metering Equipment: Material Requirements

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the meter disconnect devices. The slot may not be located in the front 6" of the test-bypass compartment insulating barrier.

7. For 3 $\phi$ , 4 wire, connect 7<sup>th</sup> jaw of meter socket to body of neutral lug with a white No. 12 AWG copper wire.
8. For 3 $\phi$ , 4 wire Delta, identify right hand test-bypass block (2 poles) as power leg. Identification to be orange in color.
9. For 1 $\phi$ , 3 wire, omit center test-bypass block.
10. Separate line and load conductors shall be installed by the contractor or manufacturer for each meter socket.
11. Each line and load position shall be clearly identified by  $\frac{3}{4}$ " minimum block letter labeling (see drawing).
12. All securing screws shall be captive. All panels shall be sealable.

				Electric Service Requirements		<b>RPM-6</b>
				<b>Self-Contained Meters Installed in Switchboards: 0-200 Amps</b>		
Drawn:	Eng:	Appr:	Date:			Revision: 1
DH	DH	DA	10/06			Page 2 of 2