



PRIMARY METERING SWITCHGEAR

15/25kV SWING OUT PANEL SERIES



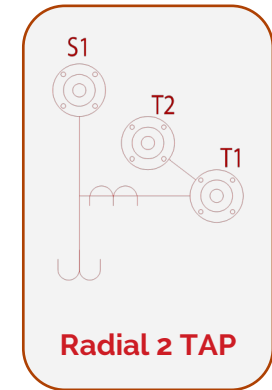
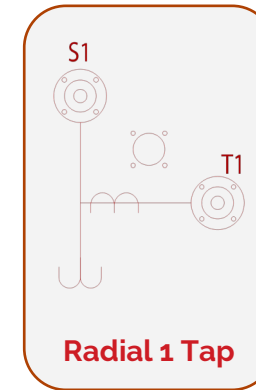
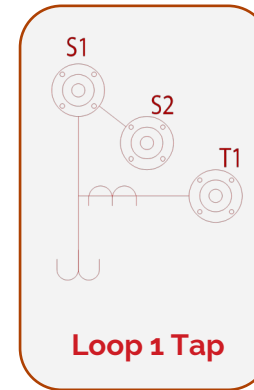
KEY FEATURES

- ❖ Primary metering switchgear housed in a fiberglass outdoor, weatherproof enclosure with stainless steel hardware
- ❖ Fiberglass laminate guaranteed against degradation of strength under normal conditions for a period of twenty-five (25) years
- ❖ Free-standing hot dipped galvanized steel frames with a swing out panel standard allowing the enclosure to be removed for easy access to all equipment. Optional stainless steel frames available
- ❖ Instrument transformers from all manufacturers can be supplied, mounted, and connected with copper bus bar to bushings
- ❖ Secondary wiring and color coding per customer specification installed in non-metallic liquid tight conduit and fittings
- ❖ Meter base and test switch per customer specification mounted on the swing out panel

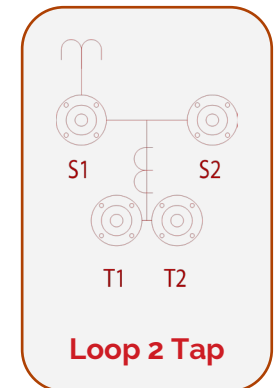
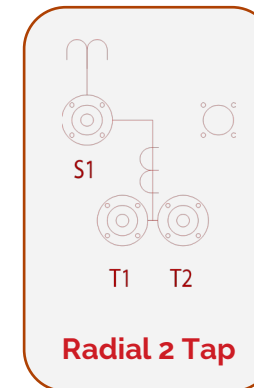
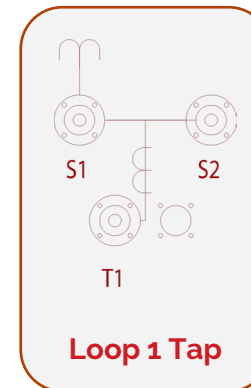
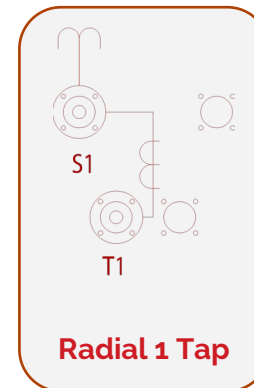


BUSHING ARRANGEMENTS

- ❖ Multiple source and tap configurations. Bolt-in type cable to air bushings with clamping ring and gasket allows for field replacement
- ❖ 2, 3, or 4 cable to air bushing per phase layout
- ❖ 200, 600, or optional 900 amp air insulated 25kV class pressure-molded epoxy bushing standard on both 15 and 25V units with 125KV BIL rating
- ❖ 10 gauge galvanized steel bushing plate with angle stiffeners for rigid elbow operation
- ❖ Three phase WYE or Delta connected
- ❖ Black line schematic on reflective yellow vinyl tape
- ❖ Provisions for additional bushings capped for future use



3 BUSHINGS PER PHASE



4 BUSHINGS PER PHASE

KEY FEATURES

ELBOW SIDE

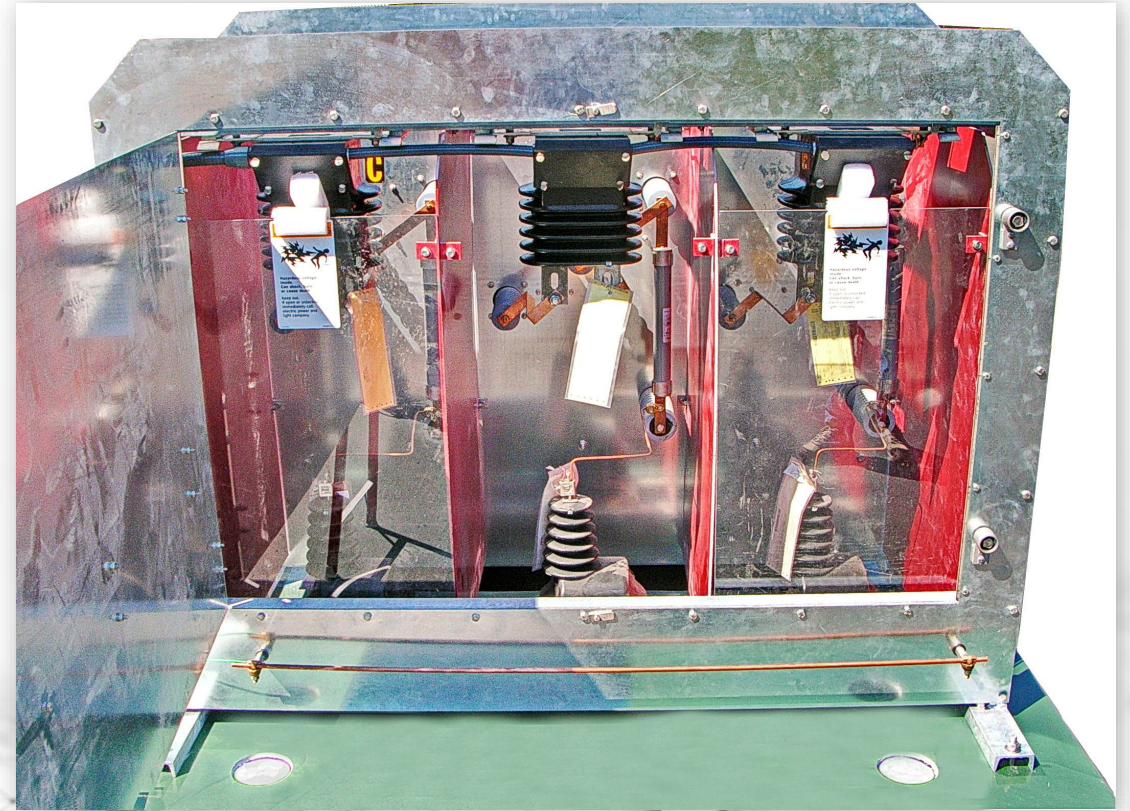
- ❖ Free standing hot dipped galvanized steel frame with lifting provisions, designed to withstand electrical & mechanical stresses
- ❖ Phase isolated schematic with transformer symbols and source/tap bushings identified and numbered
- ❖ Cable to air insulated bushings per IEEE Std 386
- ❖ 3/8" solid copper ground bar
- ❖ Stainless steel identification plate on both the frame and enclosure which identifies the model number, electrical rating, serial number, and date of manufacture
- ❖ Meter base and test switch per customer specification mounted on the swing out panel



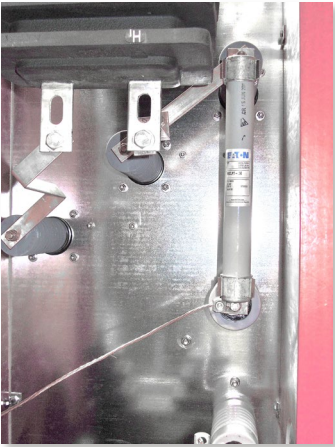
KEY FEATURES

TRANSFORMER SIDE

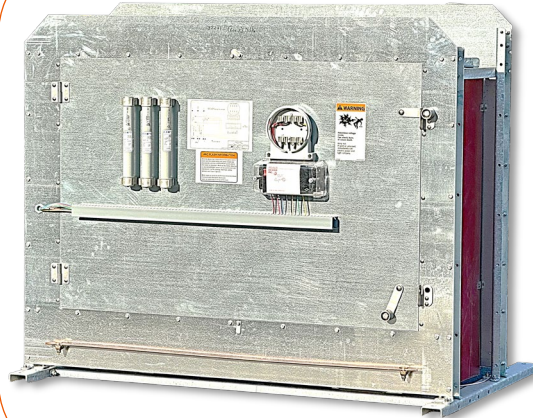
- ❖ CT and VT outdoor type transformers, 15/25kV, 110/150KV BIL
- ❖ Full height phase and ground barriers providing appropriate clearances for the rated voltage. The barriers made of 3/16" NEMA GPO-3 material with GPO-3 stiffening angles. Separate phase cover barriers of 1/4" clear non-conductive Lexan for visual inspection
- ❖ Copper bus sized for the amperage of bushings supplied
- ❖ Non-metallic liquid tight conduct between transformers and meter base. Customer specified color-coded secondary wiring
- ❖ Stainless steel sliding bracket on CT base allows for ease of installation or removal with the enclosure in place
- ❖ The switchgear is in complete conformance with all applicable NEC, ANSI, IEEE, and NEMA standards in addition to IEEE C57.12.28 / IEEE C57.12.29, Pad mounted Equipment Enclosure Integrity Standard



OPTIONAL FEATURES



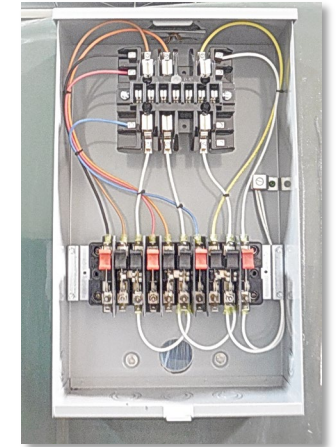
C-H VT fuse 15 or 25kV
.5E A on (3) three bushings
per phase units only



(3) Spare CH-VT 15 or 25kV
fuses.5E A installed on galvanized
swing out panel



Stainless steel meter access door



Meter base with test
switch and wiring per
customer specification

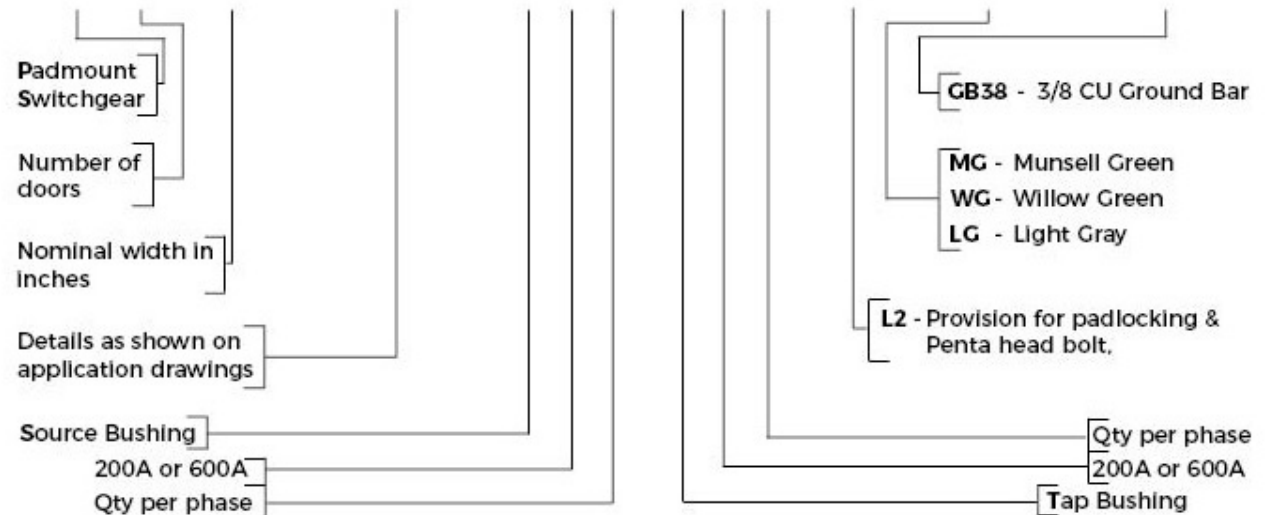
PRIMARY METERING

ORDERING KEY

- ❖ Nominal dimensions of the enclosure are 74" wide x 60" deep x heights of 53", 58, or 64" depending on voltage and manufacturer of transformers
- ❖ Custom box pads are available with cable entry opening and 30" height.
- ❖ Extended range combined outdoor transformers are available at both 15 and 25KV.
- ❖ Optional galvanized steel hinged swing out metering panel with secondary wiring between CT's & PT's, fuses, and customer specified meter base & test switch
- ❖ Optional Cutler-Hammer Type CLPT VT fuses – 15kV or 25kV – .5E A available on 3 bushing per phase units only – consult factory
- ❖ Optional group operated air break disconnect switch with visible break available – manual or motor operated.

EXAMPLE:

PS4-74-4661-S22-T21-L2-MG-GB38



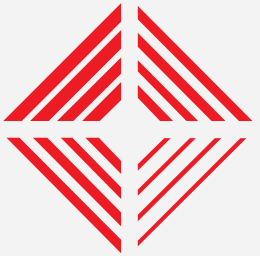
NOTE:

Refer to individual padmount primary metering switchgear drawings for equipment supplied, dimensions & location, along with pad & anchor bolt dimensions.

THANK YOU

SALES REPRESENTATIVE

**POWER
DESIGN
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