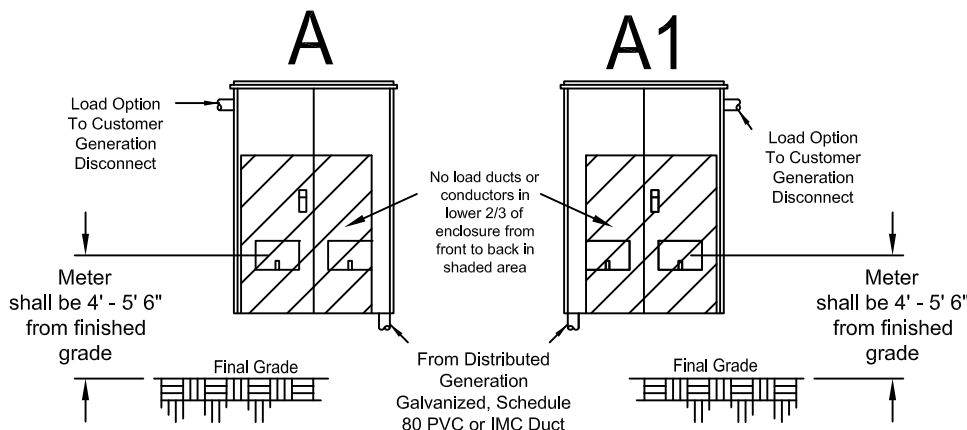


Underground Service



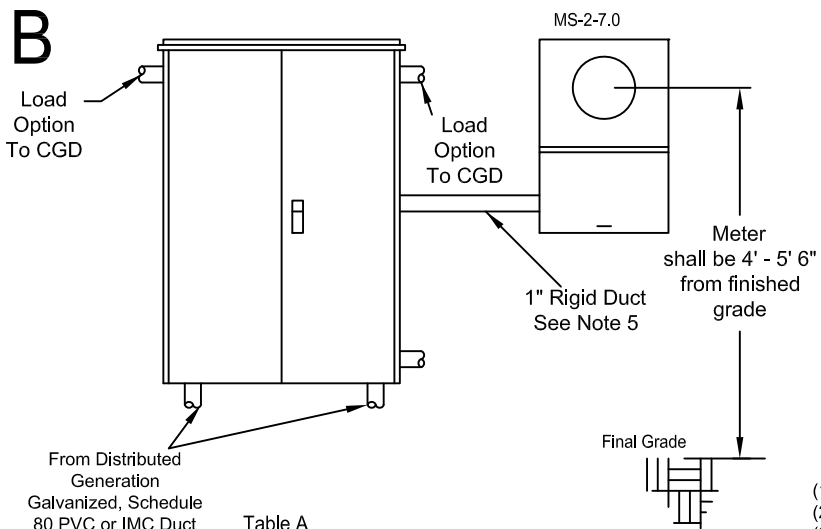
NOTES

- (1) MS-3-2.0 Double-Window Three-Phase Instrument Transformer and Meter Enclosure.
- (2) Must be used when main switch is larger than 200A.
- (3) Use only one of the options.
- (4) Must have 3/4" plywood backing inside enclosure.
- (5) If ducts or conductors cannot be kept out of shaded area due to parallel or large conductors. Drawings B must be used.
- (6) Maximum of 2 runs of 500 kcmil cable in a maximum of 2 ducts.
- (7) Line and load options shall be on different quarter section.
- (8) Must pull neutral for every circuit and cannot undersize by more than one size of the phases conductors. Neutral to be same size as phase conductors.
- (9) Cannot terminate neutral in meter enclosure (must pull neutral thru REC enclosure to another device i.e. additional disconnect or distribution block)
- (10) Metering and instrument cabinets shall not be used to house Customer-owned equipment, such as distribution panels or other equipment, nor used as a junction box/trough for the distribution of circuits.
- (11) Meter shall be 4' - 5' 6" from finished grade.

Important:

Socket shall be wired phase 1-2-3 from left to right and the conductors marked as such. Each conductor phase will be identified at the weather head or padmount, and at the meter base using band-wraps of electrical tape: one band for phase one, two bands for phase two, and three bands for phase three. White tape is suitable for neutral conductors only.

Underground Service



NOTES

- (1) MS-2-7.0 Three-Phase Thirteen-Terminal Socket for CT Meter
- (2) MS-3-3.0 Recording Meter Instrument Transformer Enclosure
- (3) MS-3-4.0 Triplex Meter Enclosure
- (4) If the number of runs or duct size exceed that allowed by Table A, use MS-3-3.0, MS-3-4.0 or MS-3-11.0 enclosure.
- (5) Use only one of the load options.
- (6) Does not necessarily go to transformer. Ducts have to be unbroken.
- (7) All enclosures (drawings A and B) shall be securely mounted to building
- (8) Line and load options shall be on different quarter section.
- (9) Customer Generation Disconnect (CGD)
- (10) Cannot terminate neutral in meter enclosure (must pull neutral thru REC enclosure to another device I.E. additional disconnect or distribution block)
- (11) Metering and instrument cabinets shall not be used to house Customer-owned equipment, such as distribution panels or other equipment, nor used as a junction box/trough for the distribution of circuits.
- (12) Meter shall be 4' - 5' 6" from finished grade.

Table A

Allowed Number of Ducts	Maximum Conductors Size
2	750 kcmil
3	500 kcmil
5	Not Allowed
Maximum Four Conductors Per Duct	

All conduits or nipples exiting a CT enclosure will be the same size and same number of conduits going out as the entrance conduits without exception.

Over 200A Three-Phase REC Meter Options