

619

REVISED 4/07

120/240 VOLT, SINGLE-PHASE, THREE-WIRE INDOOR INSTALLATION (OVER 400 AMPERES BUT NOT OVER 1200 AMPERES)

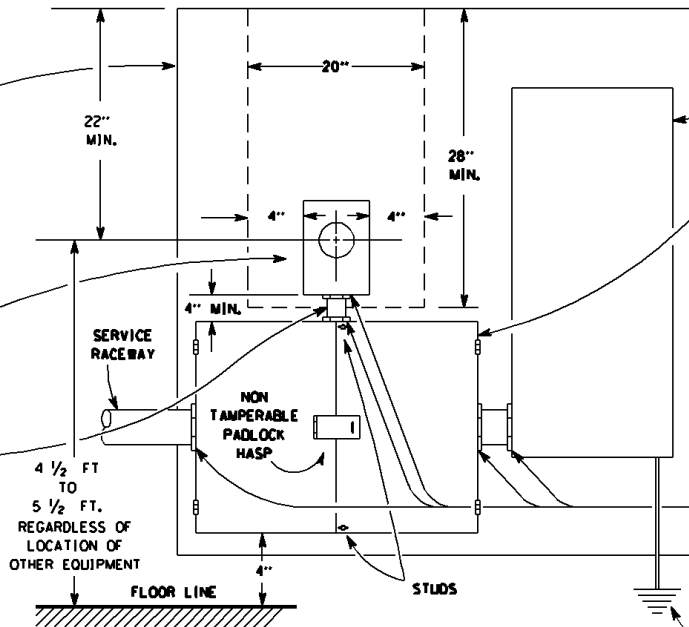
* AN INDOOR LOCATION OF A METER SOCKET IS NOT PERMITTED ON NEW INSTALLATIONS, UNLESS MANDATED BY A COMMUNITY ORDINANCE.

FOR A SERVICE AMPACITY GREATER THAN 1200 AMPERES OR FOR BUS-BAR INSTALLATIONS OR FOR METERING PICKUP INFORMATION CONTACT ENERGY DELIVERY.

SERVICE EQUIPMENT BOARD MUST BE PLUMB. IT MUST HAVE A CLEAR SPACE AT LEAST 20" WIDE BY 28" HIGH AVAILABLE FOR THE METER SOCKET. WHEN THE CURRENT TRANSFORMER CABINET AND THE SERVICE DISCONNECTING MEANS ARE MOUNTED AT ANOTHER LOCATION, A 20" X 28" METER BOARD WILL BE THE MINIMUM SIZE REQUIRED INDOORS. (SEE ARTICLES 505 AND 508)

THE TRANSFORMER-RATED METER SOCKET WITH A TEST SWITCH IS FURNISHED BY THE COMPANY AND INSTALLED BY THE CUSTOMER, THE SOCKET MUST BE MOUNTED PLUMB.

2" MINIMUM SIZE METALLIC OR NON-METALLIC METERING CABLE CONDUIT. (SEE ARTICLE 509) A #10 AWG COPPER GROUNDING CONDUCTOR MUST BE INSTALLED IN A NON-METALLIC CONDUIT TO BOND THE TRANSFORMER RATED METER SOCKET TO THE SERVICE GROUNDING SYSTEM.



SERVICE DISCONNECTING MEANS AND OVERCURRENT PROTECTION ENCLOSURE.

THE CURRENT TRANSFORMER METERING CABINET IS FURNISHED AND INSTALLED BY THE CUSTOMER. 24" X 18" X 10" MINIMUM SIZE FOR AMPACITY OVER 320 AMPS, BUT NOT OVER 400 AMPS. 32" X 24" X 10" MINIMUM SIZE FOR AMPACITY OVER 400 AMPS, BUT NOT OVER 1200 AMPS. THE CABINET MAY BE INSTALLED AT DIFFERENT LOCATIONS THAN SHOWN, HOWEVER THE CURRENT TRANSFORMERS MUST BE READILY ACCESSIBLE. THE DOORS MUST BE TAMPER-PROOF AND BE ATTACHED AT THE SIDES WITH HINGE PINS AND PADLOCKING HASP. THE DOORS ALSO MUST BE SEALABLE. (SEE ARTICLE 511)

APPROVED BONDING IS REQUIRED AT THESE LOCATION WHEN USING METALLIC CONDUITS OR RACEWAYS. THIS BONDS ALL SERVICE COMPONENTS TO THE SERVICE GROUNDING SYSTEM. WHEN NON-METALLIC CONDUITS ARE USED AT THESE LOCATIONS, THE CURRENT TRANSFORMER CABINET AND THE TRANSFORMER RATED METER SOCKET MUST BE BONDED TO THE SERVICE GROUNDING SYSTEM BY USING BONDING CONDUCTORS AND JUMPERS.

APPROVED GROUNDING (SEE DRAWING 636)