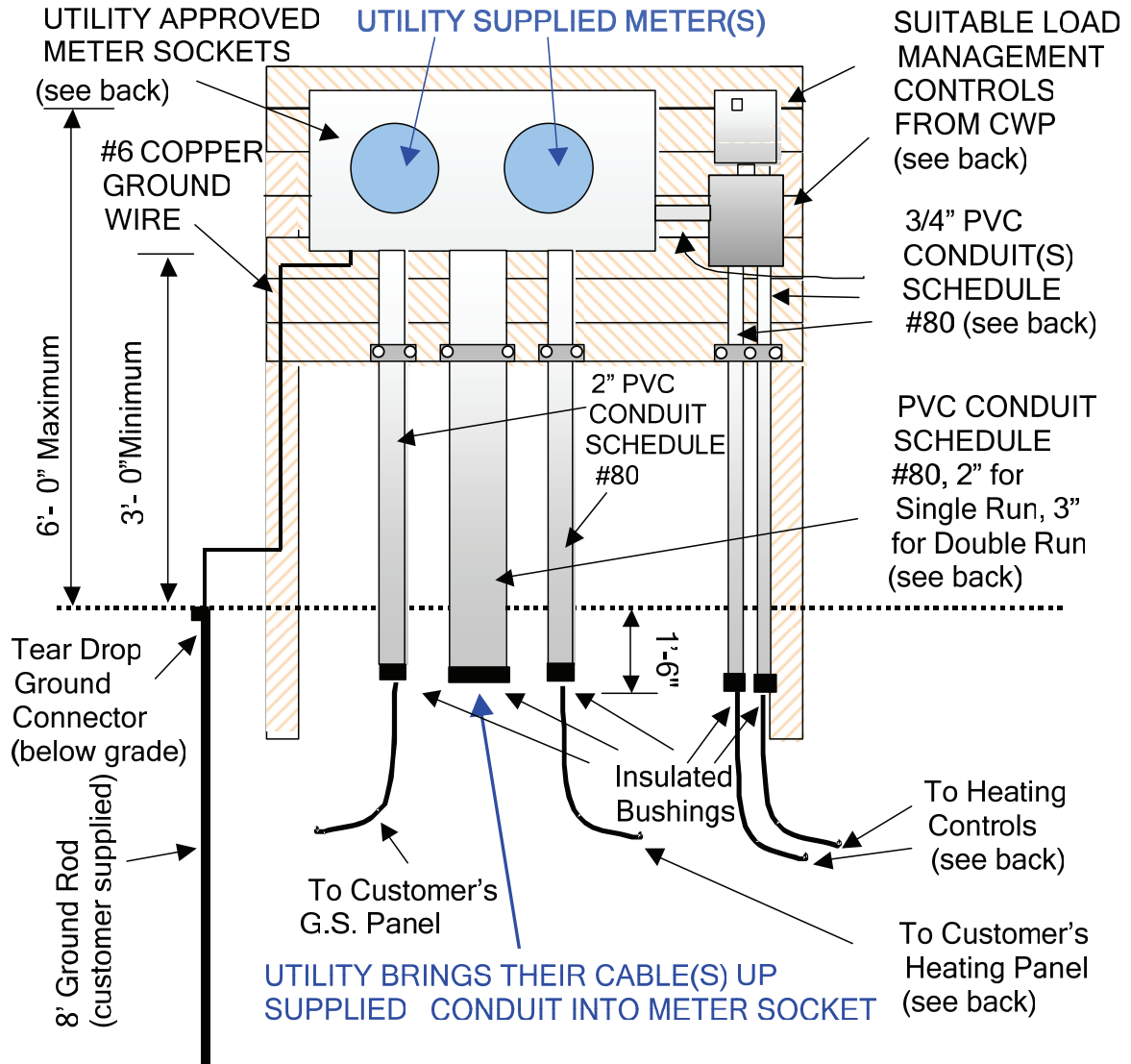




**CUSTOMER SUPPLIED  
PEDESTAL MOUNTED  
UNDERGROUND DOUBLE METER  
ASSEMBLY, RESIDENTIAL, 2 X 200  
AMP RATED**



Notes: **All Meter Assemblies Must Be Approved by Minnesota State Board of Electricity Prior to Energizing by Crow Wing Power.**  
Lumber to be either full treated, or rot resistant wood such as redwood or cedar. Uprights should be minimum 4"x4" size placed 2' - 3' in ground to avoid frost shifting. Backing material should be minimum 3/4" thickness. Width must be sufficient to adequately mount all equipment. A typical double meter socket is 25 1/4" h x 32 1/4" w. All Hardware must be rust resistant.

## CABLE SIZE SUPPLIED BY CROW WING POWER

Your field engineer will determine the correct size of cable(s) needed on the *line* side to supply your system. Most services with a single run of cable require at least a 2" PVC conduit. A larger service with 2 runs of cable will require a 3" PVC conduit. *You, or your electrician, are responsible for sizing your own cables on the load (secondary) side.*

## METER SOCKETS

Must be utility approved 200 amp rated, heavy duty style with by-pass levers. You may use either a double socket, or 2 individual sockets. Our diagram shows a double meter socket, with conduit runs indicated accordingly. Appropriate lugs on the line side of the meter(s) must be provided by the customer. Provide clearance for meter socket and control equipment on the pedestal, a typical double meter socket is 25 1/4" h x 32 1/4" w.

## CONTROL EQUIPMENT

Your Crow Wing Power energy management consultant will advise you on the type of controls your system will require. You are responsible for installation of this equipment.

## ELECTRICAL CODE NOTES:

- Customer supplied wiring from the load side of the meter equipment must be sized in accordance with the National Electric Code. See charts below.
- Red warning ribbon is placed at least 12" above underground wiring.

### Table 310:15 (B) (6)

Conductor Types and Sizes for 120/240-Volt 3-Wire, Single –Phase Dwelling Services and Feeder conductors. Conductor Types RHH,RHW-2, THHN, THHW, THW, THW-2, THWN, THWN-2, XHHW, XHHW-2, SE, USE, USE-2, (Wire)

Note: *This Chart is intended for Residential Type Lighting and Branch Circuit Panel Boards/Services.*

<u>Service Rating(Amps)</u>	<u>Aluminum Wire</u>	<u>Copper Wire</u>
100 Amp	# 2 AL	# 4 CU
150 Amp	# 2/0 AL	# 1 CU
200 Amp	# 4/0 AL	#2/0 CU
225 Amp	# 250 kcm AL	#3/0 CU
400 Amp	# 600 kcm AL	#400 kcm CU

### Table 310:16

Conductor Type and Sizes for 120/240-Volt 3-Wire, Single –Phase Service and Feeder Conductors. Conductor Types RHW,THHN,THW,THWN,XHHW,USE,ZW (Wire)

Special Note: *This Chart is intended for Continuous Duty type Services for Heating and AC type Panel Boards/ Services. (All Services either Direct Metered or Sub-Metered)*

<u>Service Rating(Amps)</u>	<u>Aluminum Wire</u>	<u>Copper Wire</u>
100 Amp	# 1 or #1/0 AL	# 3 or # 2 CU
150 Amp	# 3/0 or #4/0 AL	# 1/0 CU
200 Amp	# 250 Kcm AL	# 3/0 CU
225 Amp	# 300 Kcm AL	# 4/0 CU
400 Amp	# 2- 250 Kcm AL	#2- 3/0 CU