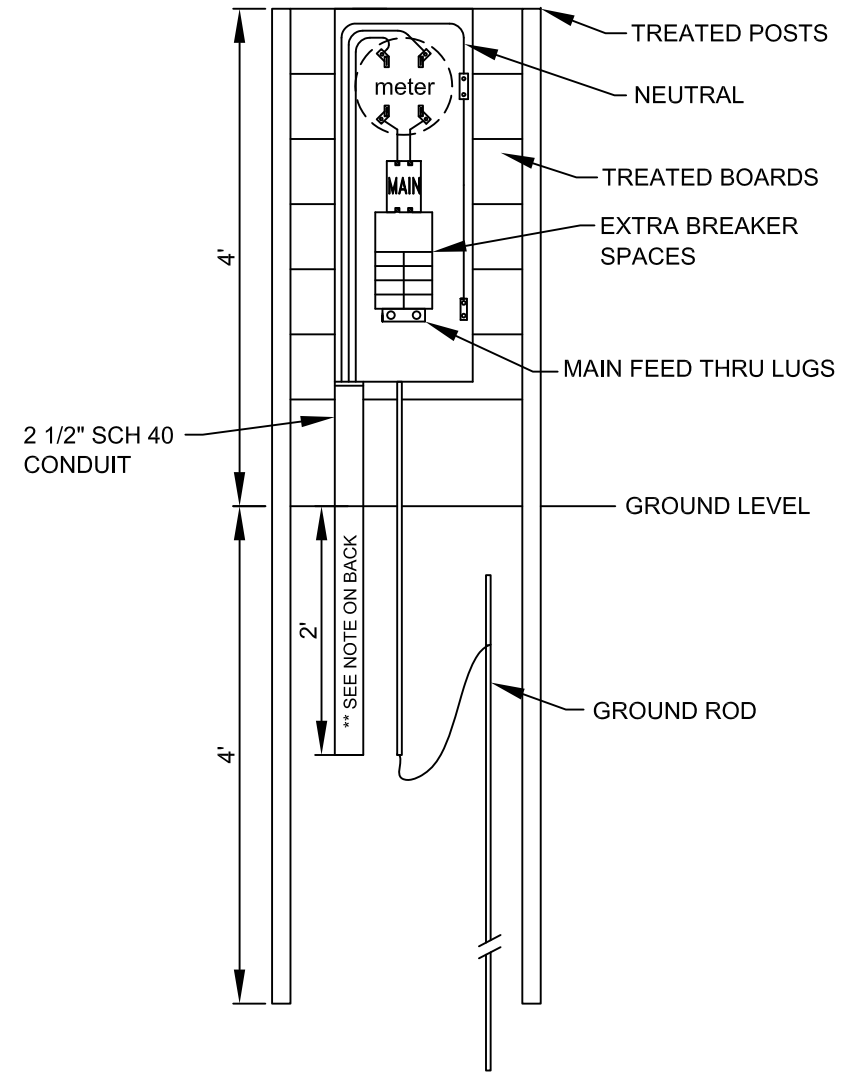
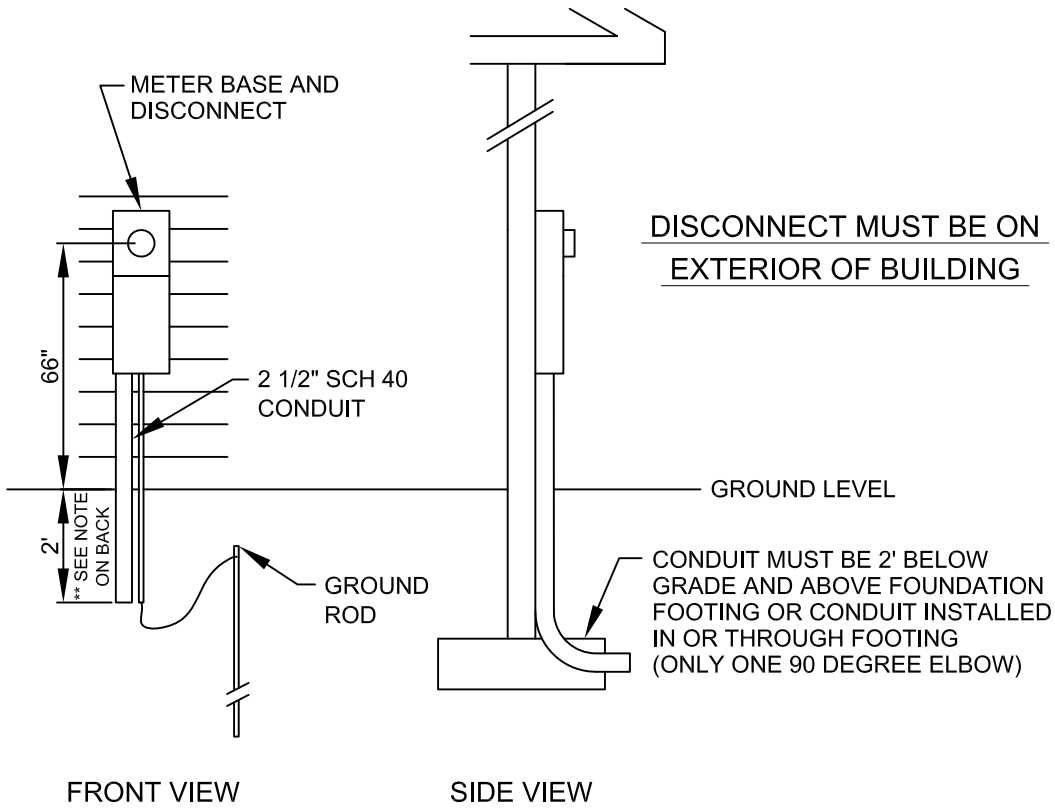


# Norris Electric Cooperative

## Single Phase, 120/240v, 200 AMP ONLY, Underground Meter Installations



WIRE SIZE CHART	CONDUCTOR		* NEUTRAL	
	COPPER	ALUMINUM	COPPER	ALUMINUM
200 AMP	3/0	4/0	1/0	2/0

SEE ADDITIONAL NOTES ON BACK OF SHEET

**Norris Electric Cooperative**  
Single Phase, 120/240v, 200 AMP ONLY, Underground Meter Installations

Conduit shall be 2 1/2" RIGID, galvanized steel or electrical schedule 40 PVC on cooperative's side.

Additional Notes

\* The neutral should not be automatically reduced two sizes. If there are no 240-volt loads, the neutral must be the same size as the ungrounded conductors. Under the most severe conditions of unbalance, the neutral will carry the same current as the ungrounded conductors.

Conductor and neutral shall have insulation approved for direct burial.

\*\* Member to supply and install 2 1/2" RIGID, electrical schedule 40 PVC from the bottom of the meter base to 2 feet below ground level. Then sleeve 2" DUCT or 2" PVC to the transformer location at a minimum of 2 feet deep at all locations with 2 feet radius sweeps with pull rope. See Bore Specifications.

Member to supply and install ground wire and ground rod. Ground rod shall be 5/8" x 8' copper clad and clamp shall be installed 12" below ground and 24" away from foundation.

Ground wire shall be #6 bare copper in 1/2" conduit.

Meter installation on post and on side of building shall be completely assembled and securely attached to building or post by member.

Box to be bonded with green screw. (The neutral & ground are bonded at the meter loop)

Foundations below entrance, conduit to be in footing (only (1) 90 degree sweep elbow)

Member's service conductors are to be connected to bottom lugs of meter base.

Metering location shall be located on the side of the structure closest to the transformer.

If meter is mounted to the side of building, the disconnect must be on exterior of building.

An expansion coupling or sleeve is required where conduit extends through concrete or asphalt.

On all aluminum connections, use corrosion inhibitors.