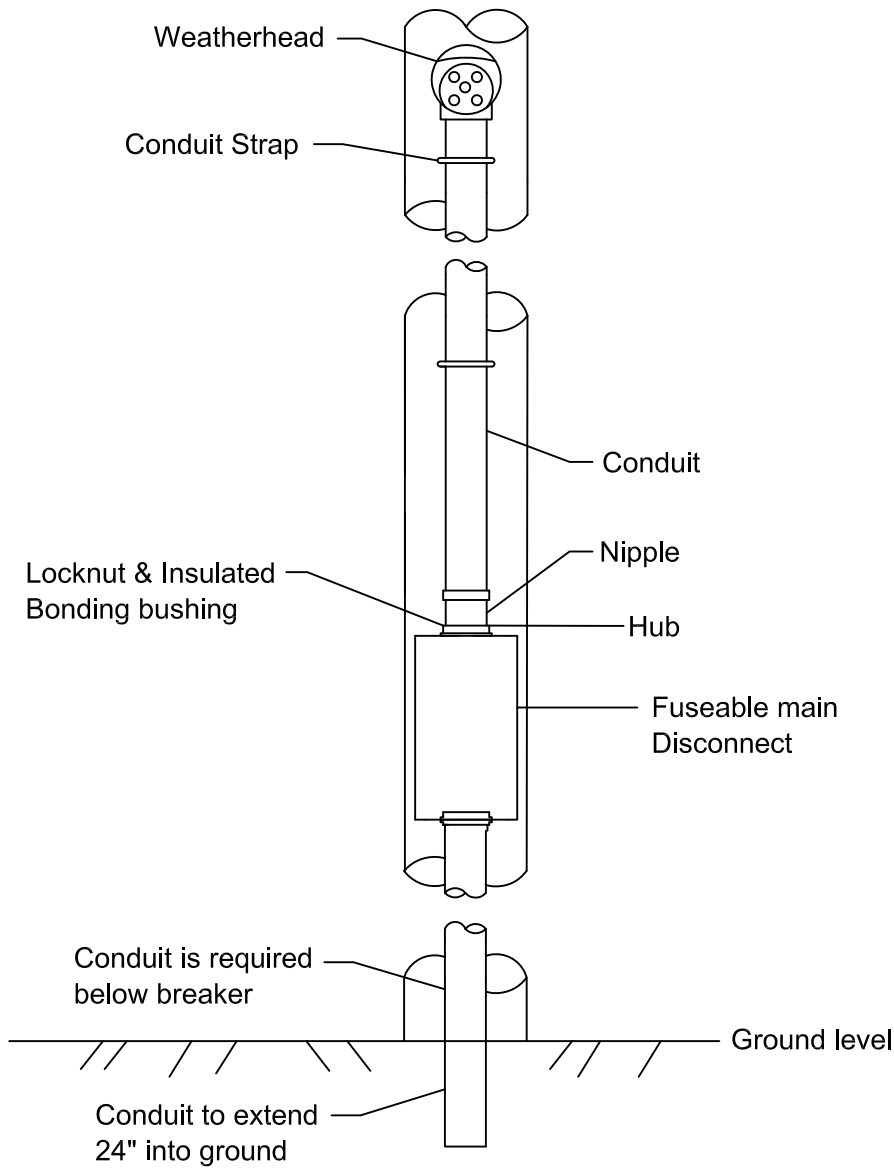


# Norris Electric Cooperative

## Single Phase, 480v, 100 & 200 AMP Meter Installation on Pole



Members wire leaves disconnect box underground only or back up the pole in separate conduit. Cannot run load side wires back up line side wire conduit.

Separate meter base, CT's & conduit will be supplied by the Cooperative for 1 phase, 480v only.

When the Riser and main disconnect are mounted on a transformer pole a minimum of 15 feet of conductor must extend out of the weatherhead to pass through the CT's and up to the Transformer bushings.

No additional equipment is allowed to be mounted to cooperative pole. If additional equipment such as phase converters are needed, they must be installed separately and not physically mounted to the meter pole.

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

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**MATERIAL LIST FOR METER LOOPS ON 30' METER POLES**

<u>Quantity</u>	<u>Description</u>	<u>100 AMP</u>	<u>200 AMP</u>
1	Weatherhead (5 hole)	1 1/2"	2"
15'	Conduit*	1 1/2"	2"
1	Bonding Bushing (bond with copper wire) (200 AMP #4) (100 AMP #6)	1 1/2"	2"
1	Main fuseable disconnect	100 AMP	200 AMP
1	Weatherproof breaker box	100 AMP	200 AMP
1	Hub for above disconnect box	1 1/2"	2"
29'	Neutral conductor** (Do not cut at meter base)	See wire size chart on Sheet 1	
56'	Conductor for Line side	See wire size chart on Sheet 1	
6	Metal Conduit straps	1 1/2"	2"
6	Lag screws	3/8" x 3"	3/8" x 3"

\*Conduit can be Rigid Steel, Rigid aluminum, or schedule 40 PVC electrical conduit

Ten feet of conductor must extend out of weather head for connection to the service drop conductors. The neutral shall be identified.

All conductor shall have insulation approved for direct burial. On all aluminum connections, use corrosion inhibitors.

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

All equipment must be rated to 600v.

Meter pole shall be located in a straight line from transformer pole and shall not cross over any buildings.

Norris Electric Cooperative will supply the ground rod and ground wire on our poles. The meter loop will be bonded to the ground wire at the top of the pole.