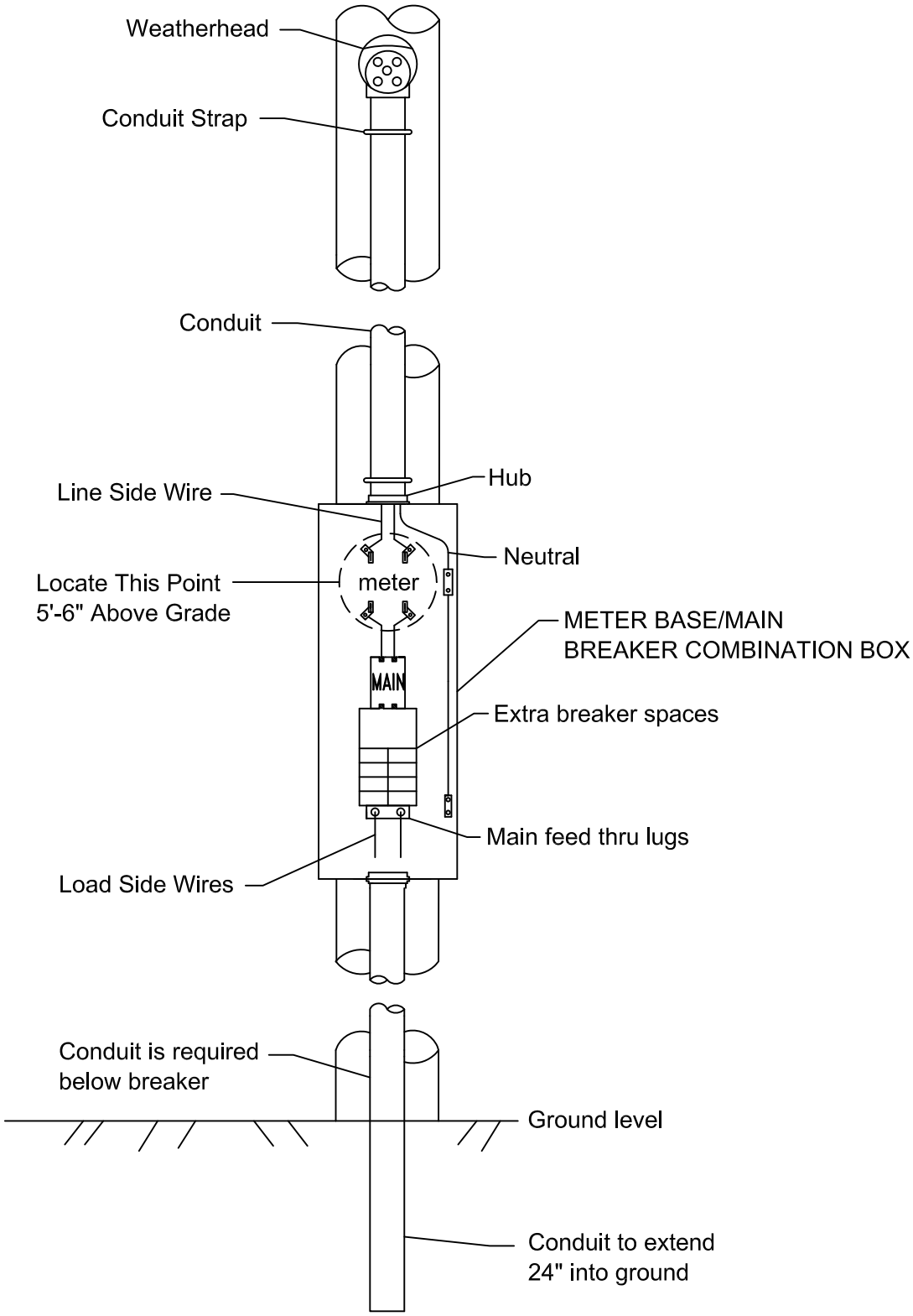
Norris Electric Cooperative

Single Phase, 120/240v, 200 AMP Meter Installation on Pole



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

9/20/11

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MATERIAL LIST FOR METER LOOPS ON 40' TRANSFORMER POLES
(Members wire leaves underground)

Quantity	Description	
1	Weatherhead (5 hole)	2"
20'	Conduit*	2"
1	Meter base / main breaker combination box	200 Amp
6	Metal Conduit straps	2"
6	Lag screws	3/8" X 3"
1	Hub to transition from combination box to conduit	2"
32'	4/0, 4/0, 2/0 aluminum wire or 3/0, 3/0, 1/0 copper wire	

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

**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.

Eight 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.

Meter loop shall be completely assembled and at site.

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

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

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 (no second ground rods at meter pole) and the ground wire on our poles. The meter loop will be bonded to the ground wire at the top of the pole by Norris Electric Cooperative linemen.