

***ALL work Shall be installed in a neat and workman-like manner per NEC 110.12**

FEC has the authority of interpretation of "neat and workman-like manner" based on our experiences or precedents as the basis of our judgements.

Metal Weatherhead Required

FEC Transformer Pole - Wood, Steel, Concrete

Metal Threaded Conduit - Rigid or IMC

#6 Copper Bonded to panel

CONDUCTOR TAILS

1. Must be at least 8 Ft long
2. Neutral conductor shall be identified

3 Conduit Straps Required

METER SOCKET (Ringless Preferred)

1. Threaded Hub On Top
2. Locknut and Bushing inside Meter Socket on Metal nipple.
3. Metal Nipple with Locknut 3" to 6" under Meter Socket
4. Mount Socket 5 to 6 Ft. from Ground Level

WEATHER-PROOF MAIN DISCONNECT

1. Mounted directly under Meter Socket with hub on top.
2. **SINGLE MAIN BREAKER** or **6 HANDLE MAIN** as defined in NEC.
3. **#6 SOLID BARE COPPER WIRE** from disconnect is to be bonded to Cooperative's pole ground.

Notes:

1. Members are responsible for supplying and installing entire assembled meter loop on FEC Pole. FEC is to be notified when loop is ready for inspection.
2. Meter loop must pass inspection before service is connected.
3. Line and Load conductors cannot be installed in the same riser. Load conductors supplying overhead feeders must be in a separate riser.

SIZING CHART

TRANS. POLE SIZE	CONDUIT LENGTH
35 ft	14 ft
40 ft	17 ft
45 ft	20 ft

WIRE SIZE	BREAKER SIZE	CONDUIT SIZE
#6 CU	60 Amp	1 inch
#4 CU	100 Amp	1 1/4 inch
#2 CU	125 Amp	1 1/2 inch
#1/0 CU	150 Amp	2 inch
#2/0 CU	200 Amp	2 inch
Call office	Over 200 Amp	Call office

Members May use One Size Down For Neutral Wire.

DATE: 3/20/2025



Single Phase Transformer Pole -

1Ø 60-200 Amp Meter Loop on Transformer Pole. Voltages: 120/240

Phone

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