Notes:

1. Line taps shall be made in the galvanized trough by the electrical contractor. No more than (2) conductors per phase shall be allowed.
2. No more than (2) risers will be connected per installation.
3. Weatherproof fittings required.
4. Wire sized to total disconnect sizes.
5. Neutral(s) may be reduced no more than two sizes on residential application. No reduction of the neutral is allowed on commercial application.
6. Bluebonnet pole must remain free of structures and private attachments other than meter loop riser assembly.
7. Meter assembly must remain unenclosed on exterior of structure.
8. Meter assembly cannot be mounted on a mobile home.
9. If secondary service exceeds (2) 2", 3", or 4" approved electrical metal conduit; BEC will install a primary underground transformer at member's expense.
10. Maintain 3"–6" distance between the disconnect and the meter can. Member shall use a metal nipple. A straight or offset nipple is acceptable.

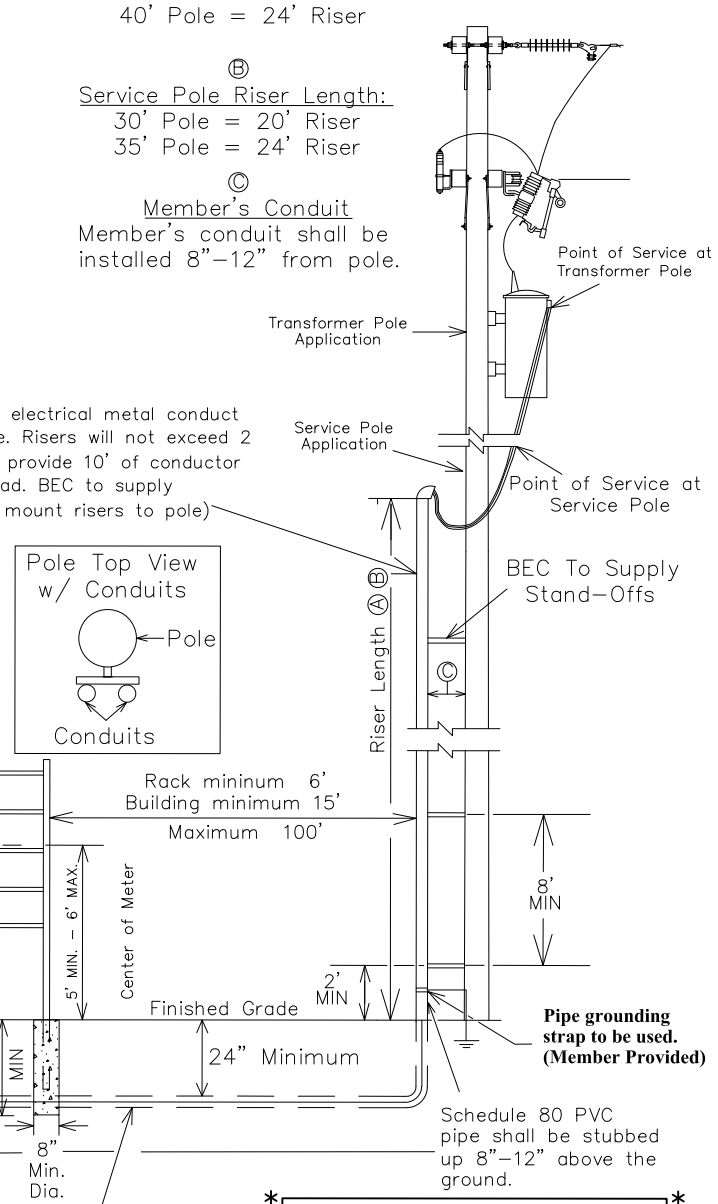
Ⓐ
Transformer Pole Riser Length:
35' Pole = 20' Riser
40' Pole = 24' Riser

Ⓑ
Service Pole Riser Length:
30' Pole = 20' Riser
35' Pole = 24' Riser

Ⓒ
Member's Conduit
Member's conduit shall be installed 8"–12" from pole.

FOR THREE PHASE APPICATIONS
DESCRIPTION:
200amp, 7 terminal, 3–phase, 4–wire will require a lever by–pass meeting ANSI C12.7, UL 414, and NEMA 3R. Meter cans are available for purchase through Techlineor any other electrical supplier provided it meets all Bluebonnet Electric Cooperative specifications.
Techline (512–332–2978)

RISER ONLY
Only 2", 3", or 4" approved electrical metal conduct allowed above finished grade. Risers will not exceed 2 risers per pole. Member will provide 10' of conductor tails from top of weatherhead. BEC to supply Stand–Offs. (Bluebonnet to mount risers to pole)



Minimum schedule 40 rigid nonmetallic service conduit below finished grade. No schedule 40 conduit allowed above ground level on source side of main disconnect.

* WIRING INSTALLATIONS MUST MEET LOCAL GUIDELINES, IF APPLICABLE, SET FORTH BY CITY, COUNTY, OR OTHER GOVERNING ENTITY IN THE EVENT THESE REQUIREMENTS ARE MORE STRINGENT THAN BLUEBONNET SPECIFICATIONS. *

FOR THE MEMBER'S SAFETY, WIRING INSTALLATION AND MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF THE NEC, TDLR AND NESC.

Latest update can be found at
www.bluebonnetelectric.coop/myHome/electricServices/meterLoop.aspx

CURRENT CARRYING CAPACITIES AND CONDUIT/NIPPLE SIZE REQUIREMENT OF STANDARD WIRE SIZE.
(RHH, RHW, THW, THWN, THHN, AND XHHW)
THIS GUIDE REFERS TO TABLE 310.15 (B)(7), SINGLE PHASE DWELLINGS SERVICES.REFER TO NEC FOR OTHER CALCULATIONS.

WIRE SIZE	COPPER CONDUCTOR/ BREAKER SIZE	CONDUIT/NIPPLE SIZE
#6	60 AMP	1¼" CONDUIT
#4	100 AMP	1¼" CONDUIT
#2	125 AMP	1½" CONDUIT
#1	150 AMP	2" CONDUIT
#2/0	200 AMP	2" CONDUIT

ALUMINUM CONDUCTOR		
WIRE SIZE	BREAKER SIZE	CONDUIT/NIPPLE SIZE
#4	60 AMP	1¼" CONDUIT
#2	100 AMP	1¼" CONDUIT
#1/0	125 AMP	1½" CONDUIT
#2/0	150 AMP	2" CONDUIT
#4/0	200 AMP	2" CONDUIT

1Ø OR 3Ø 60–200 AMP MULTIPLE METERS ON RACK OR BUILDING NOT TO EXCEED A TOTAL OF 800 AMPS

Bluebonnet

DATE	REVISIONS	Drawn By :	Checked By :	Approved By :
12–07–2017	ADDED WIRE SIZING CHART.	RG	MS COMMITTEE	TE
		Scale : NONE	Date : 12–07–2017	MS–105