

Notes:

1. Main disconnect panel may not be used as an electrical race way. Line taps shall be made by the electrical contractor if a galvanized wiring trough is used.
2. Weatherproof fittings required.
3. Any combination of six disconnects totaling no more than 400 amp can be used. REF. NEC, SEC. 230.71
4. If more than two disconnects are needed a galvanized trough is required.
5. Wire sized to total disconnect sizes.
6. Neutral(s) may be reduced no more than two sizes on residential applications. No reduction of the neutral(s) is allowed on commercial applications.
7. Bluebonnet pole must remain free of structures and private attachments other than meter loop assembly.
8. #6 solid, bare ground copper wire and clamp attached to Bluebonnet's pole ground

10. Meter assembly must remain unenclosed on exterior of structure.
11. Meter assembly can not be mounted on a mobile home.
12. If secondary service exceeds 1-3" (or 2-2") galvanized metal conduit, BEC will install a primary underground transformer at member's expense.
13. All service wires entering the meter can (Top or Bottom Feed) will be terminated at the closest lugs. No phase conductors shall be run through the center of the meter can.
14. All secondary connections made by BEC.
15. Only 400 amp meter cans are allowed. No 320 amp meter cans are allowed.
16. Member shall use a metal nipple.
17. Largest wire to be pulled in to the meter can is 500 MCM Copper.
18. All service wires entering the meter can (Top or Bottom Feed) will be terminated at the closest lugs. No phase conductors shall be run through the center of the meter can.
19. A detailed load sheet shall be filled out and returned to Bluebonnet before the service will be connected.
20. 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

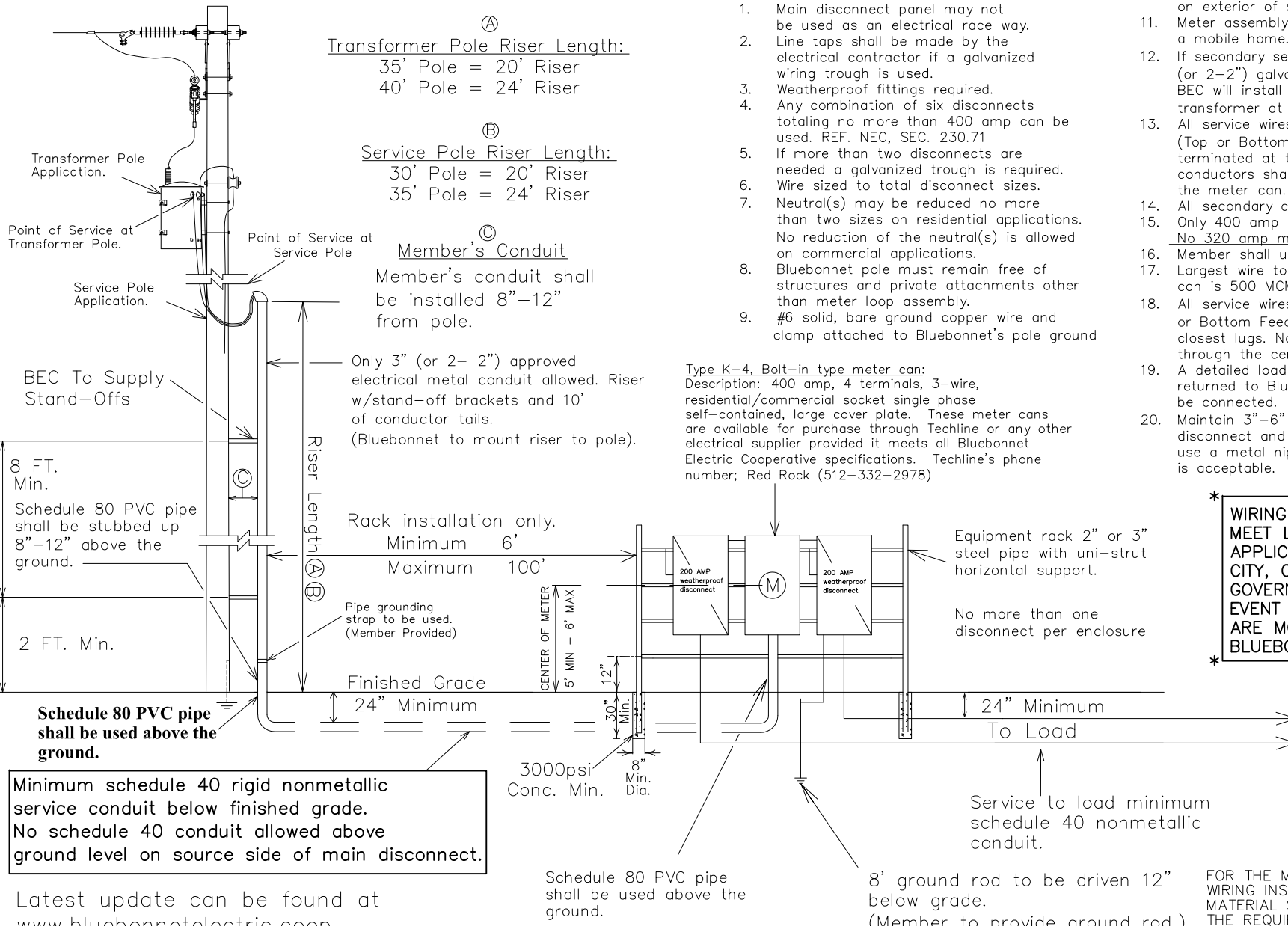
Ⓒ Member's Conduit

Member's conduit shall be installed 8"-12" from pole.

Only 3" (or 2-2") approved electrical metal conduit allowed. Riser w/stand-off brackets and 10' of conductor tails. (Bluebonnet to mount riser to pole).

Type K-4, Bolt-in type meter can:

Description: 400 amp, 4 terminals, 3-wire, residential/commercial socket single phase self-contained, large cover plate. These meter cans are available for purchase through Techline or any other electrical supplier provided it meets all Bluebonnet Electric Cooperative specifications. Techline's phone number; Red Rock (512-332-2978)



**\* 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. \***

**Schedule 80 PVC pipe shall be used above the ground.**

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

Latest update can be found at [www.bluebonnetelectric.coop](http://www.bluebonnetelectric.coop)

Schedule 80 PVC pipe shall be used above the ground.

8' ground rod to be driven 12" below grade. (Member to provide ground rod.)

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



1Ø 400 AMP SERVICE ON METER RACK OR BUILDING WITH K BASE BOLTED IN METER SOCKET		Drawn By : RG	Checked By : MS COMMITTEE	Approved By : MS COMMITTEE
DATE	REVISIONS	Scale :	Date :	
11-19-2019	Added Solid Copper Note	NONE	11-04-2021	MS-108
11-04-2021	Added Main Breaker Note			