

Single Phase Transformer Layout

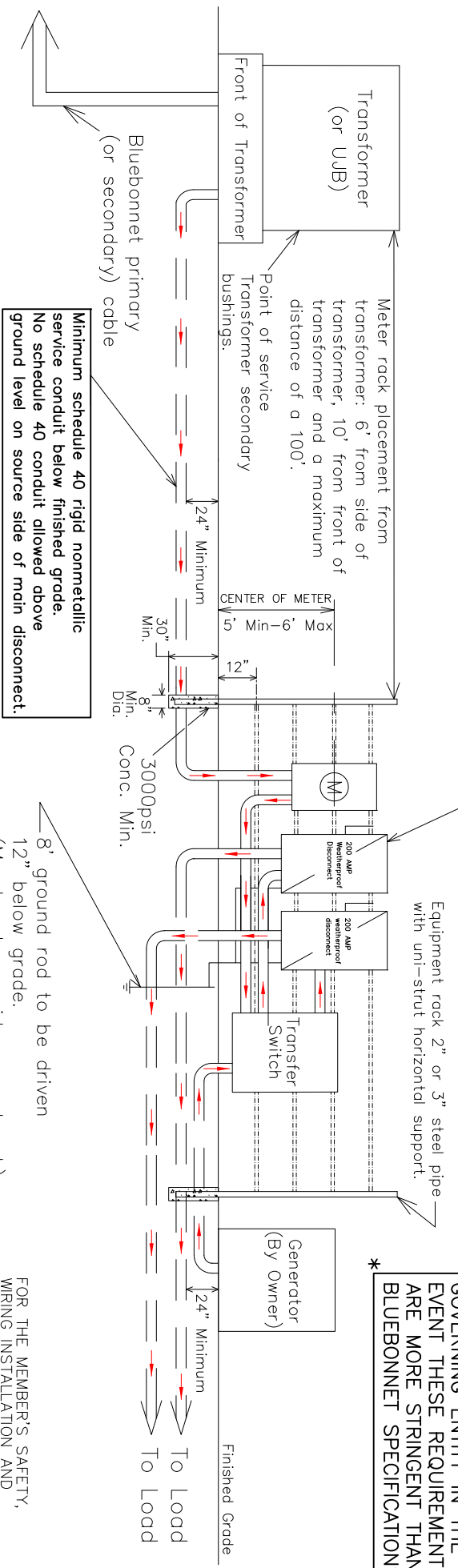
MEMBER CONDUIT SHALL BE 1/2" MIN. WALL THICKNESS. MEMBER SHALL PROVIDE SCH. 40 PVC CONDUIT ELBOW WITH A 24" SWEEP TO MEMBER CONDUIT. CABLE RUN SHALL BE 1/2" MIN. UNLESS WRITTEN APPROVAL BY BLUEBONNET PERSONNEL.

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. Any combination of six disconnects totaling no more than 400 Amps can be used. REF. NEC, SEC. 230.71
3. If more than two disconnects are needed, a galvanized trough is required. Wire sized to total disconnect sizes.
4. Neutral(s) may be reduced no more than two sizes on residential applications. No reduction of the neutral(s) is allowed on commercial applications.
5. Meter assembly must remain unenclosed on exterior of structure.
6. Meter assembly cannot be mounted on a mobile home.
7. If secondary service exceeds 1-3" (or 2-2") approved electrical metal conduit, Bluebonnet will install a primary underground transformer at member's expense.
8. All service wires entering the meter can shall be bottom fed and terminated at the closest lugs. No phase conductors shall be run through the center of the meter can.
9. All secondary connections made by BEC. Only 400 amp meter cans are allowed.
10. No 320 amp meter cans are allowed.
11. Member shall use a metal nipple.
12. Generator shall be a minimum of 15' away from Bluebonnet's pole and/or equipment.
13. No reduction of the neutral(s) is allowed on commercial applications.
14. Meter assembly must remain unenclosed on exterior of structure.
15. Meter assembly cannot be mounted on a mobile home.
16. If secondary service exceeds 1-3" (or 2-2") approved electrical metal conduit, Bluebonnet will install a primary underground transformer at member's expense.
17. All service wires entering the meter can shall be bottom fed and terminated at the closest lugs. No phase conductors shall be run through the center of the meter can.
18. All secondary connections made by BEC. Only 400 amp meter cans are allowed.
19. No 320 amp meter cans are allowed.
20. Member shall use a metal nipple.
21. Generator shall be a minimum of 15' away from Bluebonnet's pole and/or equipment.

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 Tech-Line or any other electrical supplier provided it meets all Bluebonnet Electric Cooperative specifications. Techline phone number is 512-352-2978.

*** 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. ***



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

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

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 URD SERVICE TO A UNDERGROUND STANDBY GENERATOR SYSTEM WITH METER ON RACK OR BUILDING WITH K BASE BOLTED IN METER SOCKET.		Drawn By :	RG	Checked By :	MS COMMITTEE	Approved By :	TE
DATE	REVISIONS	Scale :	NONE	Date :	11-15-2016		MS-404
11-15-2016	ADDED FLOW ARROWS.						