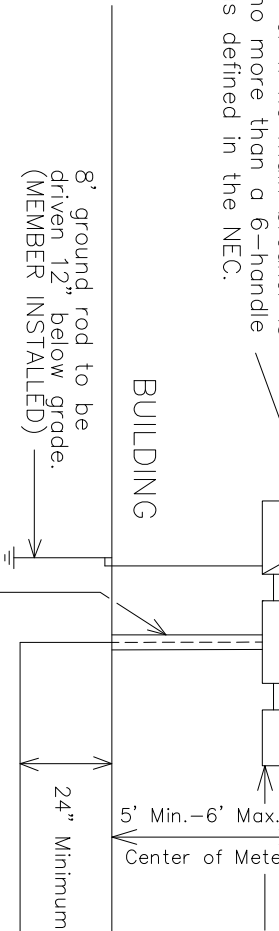


Single Phase Transformer Layout

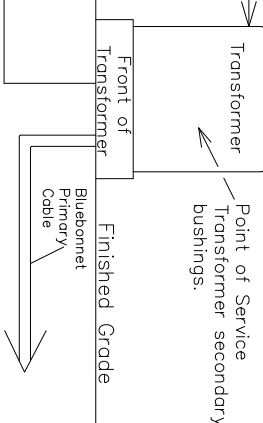
Main Disconnect with over current protection (Rated for Load) with a single main breaker or if no main breaker is used, no more than a 6-handle main as defined in the NEC.



Notes:

- Line taps shall be made in the galvanized wiring trough by the electrical contractor.
- The electrical contractor will notify Bluebonnet 72 hours in advance to schedule Bluebonnet personnel to deliver the CT's. The electrician shall install the CT's (provided by BEC) on the rack with the correct polarity before the conductor is brought thru the 30"x42" (minimum size) CT enclosure. Call 800-842-7708 to schedule a connect.
- Wire shall be sized to total name plate disconnect sizes.
- Neutral(s) may be reduced no more than two sizes on residential application. No reduction of the neutral(s) is allowed on commercial application. For all URD jobs, electricians shall call TEXAS811 for locates before digging to Bluebonnet equipment. No private utilities will be located.
- Cooperative will complete wiring into transformer or UJB. Have an additional 10' of wire for termination.
- Weatherproof fittings required.
- Meter assembly must remain unenclosed on exterior of structure.
- All connections inside pad mounted transformer will be made by Bluebonnet.
- Member/Electrician shall coordinate with Bluebonnet personnel to install all conduit and the pulling of the secondary wire to the transformer.
- Member/Electrician shall notify Bluebonnet 48 hours in advance to schedule a time/date to perform the work.
- If additional trips are made to the site by Bluebonnet personnel, applicable fees may be applied.
- CT enclosure can be purchased from Techline (512-332-2978).
- Maintain 3"-6" distance between the disconnect and the meter can. Member shall use a metal nipple. A straight or offset nipple is acceptable.

- 100' Maximum distance.
- 6' Minimum Distance
- Non-combustible walls = 5 feet
- Combustible walls: 0 to 75kVA = 10 feet >75kVA = 20 feet



Conduit below finished grade from underground transformer shall be minimum schedule 40 Gray PVC rigid nonmetallic conduit.

*** 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 NESCC.

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



1 PHASE >400 AMP SERVICE WITH CT METERING ON BUILDING OR RACK		Drawn By :	Checked By :	Approved By :
01-30-2017 Changed the dimensions of the CT Enclosure.		RG	MS COMMITTEE	TE
		Scale :	Date :	
		NONE	01-30-2017	MS-204B1