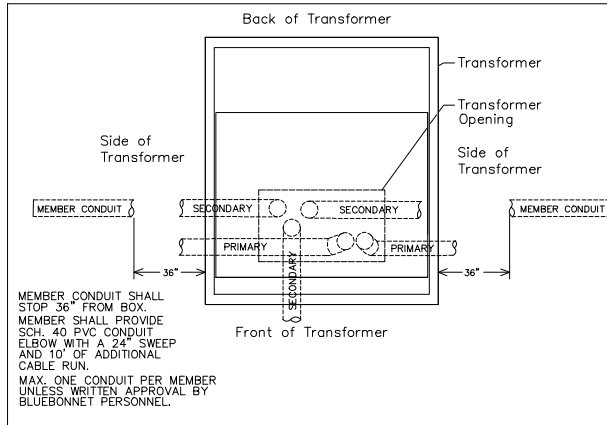


**\* WIRING INSTALLATIONS MUST MEET LOCAL GUIDELINES, IF APPLICABLE, SET FORTH BY CITY, COUNTY, OR OTHER GOVERNING ENTITY IN THE EVENT THESE REQUIREMENTS ARE MORE STRINGENT THAN BLUEBONNET SPECIFICATIONS. \***

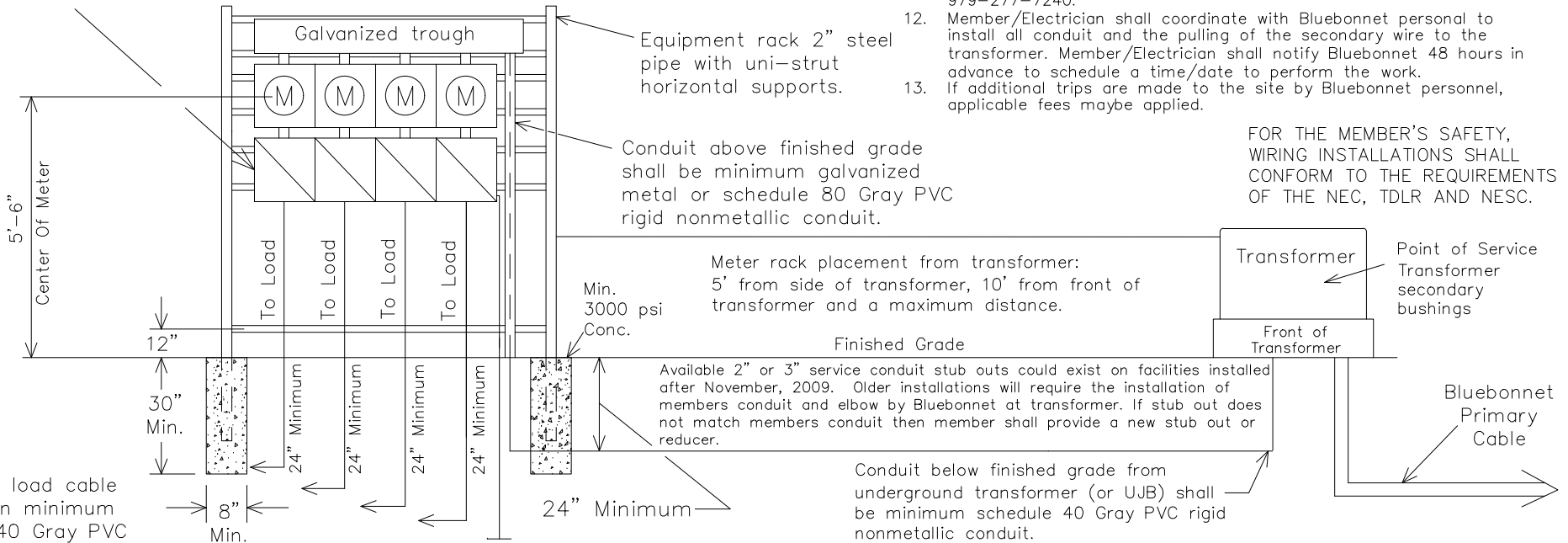
Single Phase Transformer Layout



Notes:

- Line taps shall be made in the galvanized trough by the electrical contractor.
- More than (6) main disconnects require a properly sized main disconnect ahead of the galvanized trough.
- Weatherproof fittings required.
- Wire shall be sized to total 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.
- Bluebonnet will complete wiring into transformer. Have 10' additional amount of wire for termination.
- Meter loop must remain unenclosed on exterior of structure.
- Meter loop can not be mounted on the side of a mobile home.
- All secondary connections made by Bluebonnet.
- THREE PHASE APPLICATIONS ONLY 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 Techline or any other electrical supplier it meets all Bluebonnet Electric Cooperative specifications. Giddings 979-542-8657, Red Rock 512-332-2978, Brenham 979-277-7240.
- Member/Electrician shall coordinate with Bluebonnet personal 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.

No more than four 60-200 Amp meter sockets and weatherproof main disconnects.



Service to load cable enclosed in minimum schedule 40 Gray PVC nonmetallic conduit.

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

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

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



1Ø OR 3Ø, 60-200 AMP UNDERGROUND GANG MOUNTED METERS ON RACK OR BUILDING NOT TO EXCEED A TOTAL OF 800 AMPS.		Drawn By : RG	Checked By : MS COMMITTEE	Approved By : TE
DATE 12-07-2017	REVISIONS ADDED WIRE SIZING CHART.	Scale : NONE	Date : 12-07-2017	MS-205