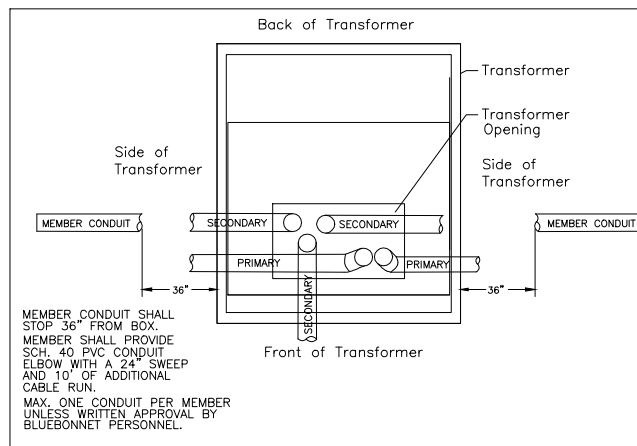


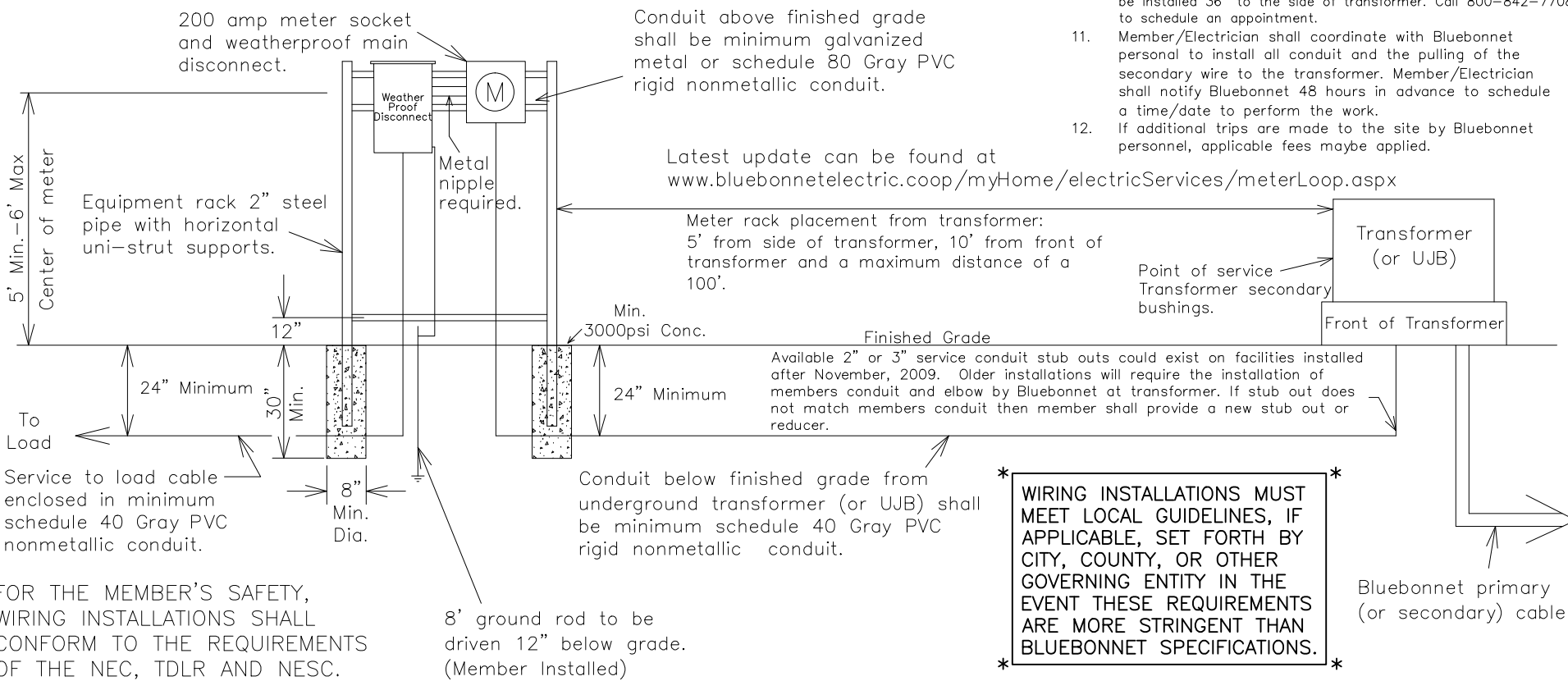
CURRENT CARRYING CAPACITIES AND CONDUIT/NIPPLE SIZE REQUIREMENT OF STANDARD WIRE SIZE. (RHH, RHW, THW, THWN, THHN, AND XHHW) THIS GUIDE REFERS TO TABLE 310.15 (B)(7), SINGLE PHASE DWELLINGS SERVICES. REFER TO NEC FOR OTHER CALCULATIONS.		
COPPER CONDUCTOR		
WIRE SIZE	BREAKER SIZE	CONDUIT/NIPPLE SIZE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

Single Phase Transformer Layout



Notes:

- Weatherproof fittings required.
- For all URD jobs, electricians shall call TEXAS811 for locates before digging to Bluebonnet equipment. No private utilities will be located.
- Shall install an additional 10' of wire for termination.
- Main disconnect shall have a single main breaker or 6-handle main as defined in the NEC.
- Neutral may be reduced no more than two sizes on residential application. No reduction of the neutral is allowed on commercial application.
- Metering point must remain unenclosed on exterior of structure.
- Metering point can not be mounted on the side of a mobile home.
- All connections inside pad mounted transformer and UJB's will be 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 provided it meets all Bluebonnet Electric Cooperative specifications. Giddings(979-542-8657), Brenham (979-277-7240), Red Rock (512-332-2978)
- Member must contact Bluebonnet to determine where the secondary conduit is to be run to the transformer. Conduit to be installed 36" to the side of transformer. Call 800-842-7708 to schedule an appointment.
- 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 maybe applied.



*** 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 INSTALLATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE NEC, TDLR AND NESC.

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



1Ø OR 3Ø, 60-200 AMP UNDERGROUND SERVICE ON RACK OR BUILDING	
DATE	REVISIONS
11/29/2017	ADDED NIPPLE AFTER CONDUIT SIZE
03/29/2018	MOVED DISCONNECT TO SIDE OF METER

Drawn By : CV	Checked By : MS COMMITTEE	Approved By : BS
Scale : NONE	Date : 03/29/2018	MS-201