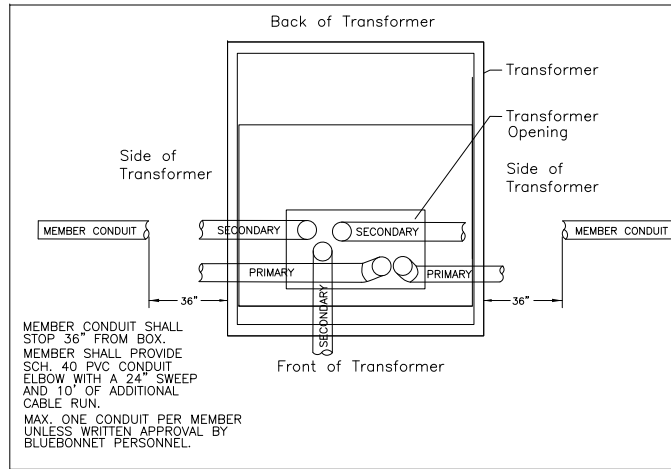


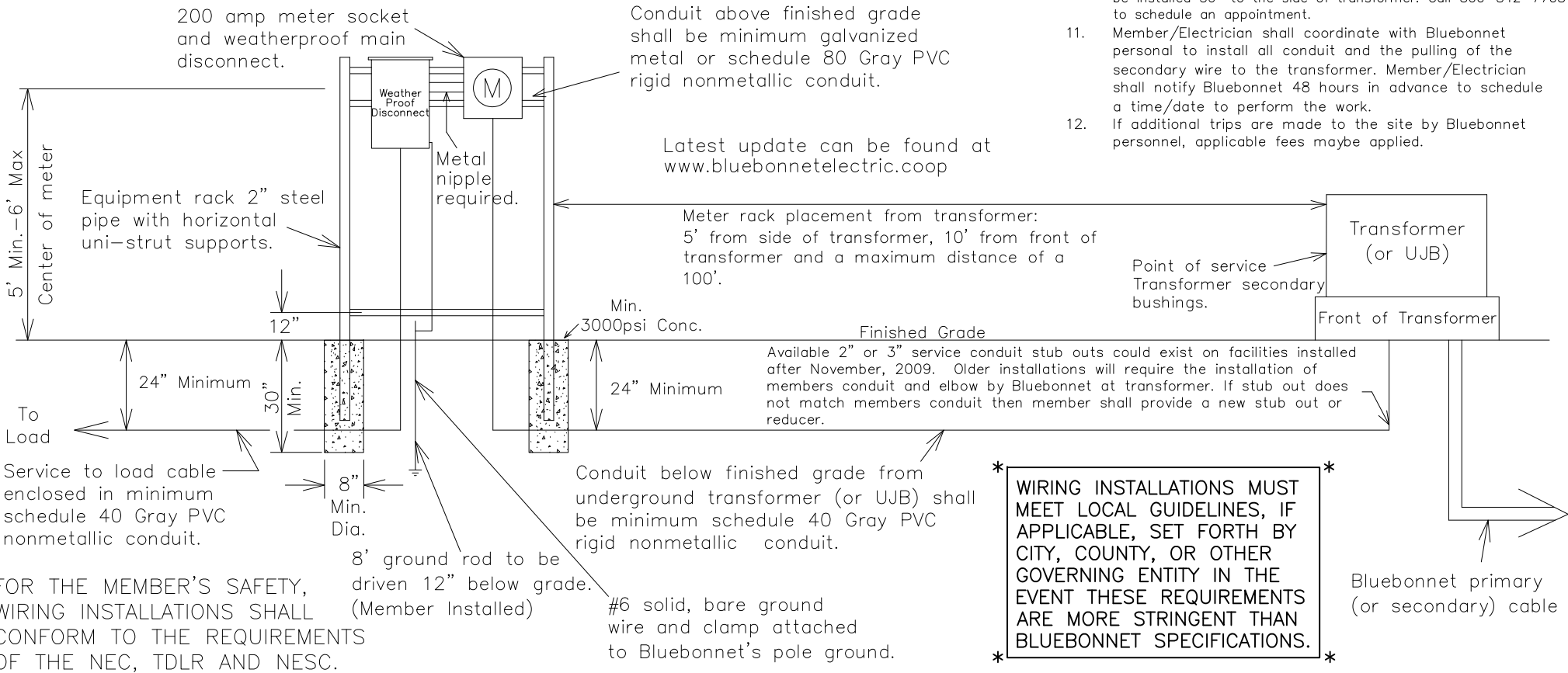
CURRENT CARRYING CAPACITIES AND CONDUIT/NIPPLE SIZE REQUIREMENT OF STANDARD WIRE SIZE. (RHH, RHW, THW, THWN, THHN, AND XHHW) REFER TO NEC FOR OTHER CALCULATIONS.		
COPPER CONDUCTOR		
WIRE SIZE	BREAKER SIZE	CONDUIT/NIPPLE SIZE
#6	60 AMP	1 1/4" CONDUIT
#4	100 AMP	1 1/2" CONDUIT
#2	125 AMP	1 3/4" CONDUIT
#1	150 AMP	2" CONDUIT
#2/0	200 AMP	2" CONDUIT
ALUMINUM CONDUCTOR		
WIRE SIZE	BREAKER SIZE	CONDUIT/NIPPLE SIZE
#4	60 AMP	1 1/4" CONDUIT
#2	100 AMP	1 1/2" CONDUIT
#1/0	125 AMP	1 3/4" 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 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.



1Ø OR 3Ø, 60-200 AMP UNDERGROUND SERVICE ON RACK OR BUILDING

DATE	REVISIONS
11-19-2019	ADDED SOLID COPPER NOTE.
11-04-2021	ADDED MAIN BREAKER NOTE.

Drawn By :

CV

Scale :

NONE

Checked By :

MS COMMITTEE

Date :

11-04-2021

Approved By :

MS COMMITTEE

MS-201