

**FOR THREE PHASE APPLICATIONS**

**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 (Red Rock 512-332-2978) or any other electrical supplier provided it meets all Bluebonnet Electric Cooperative specifications.

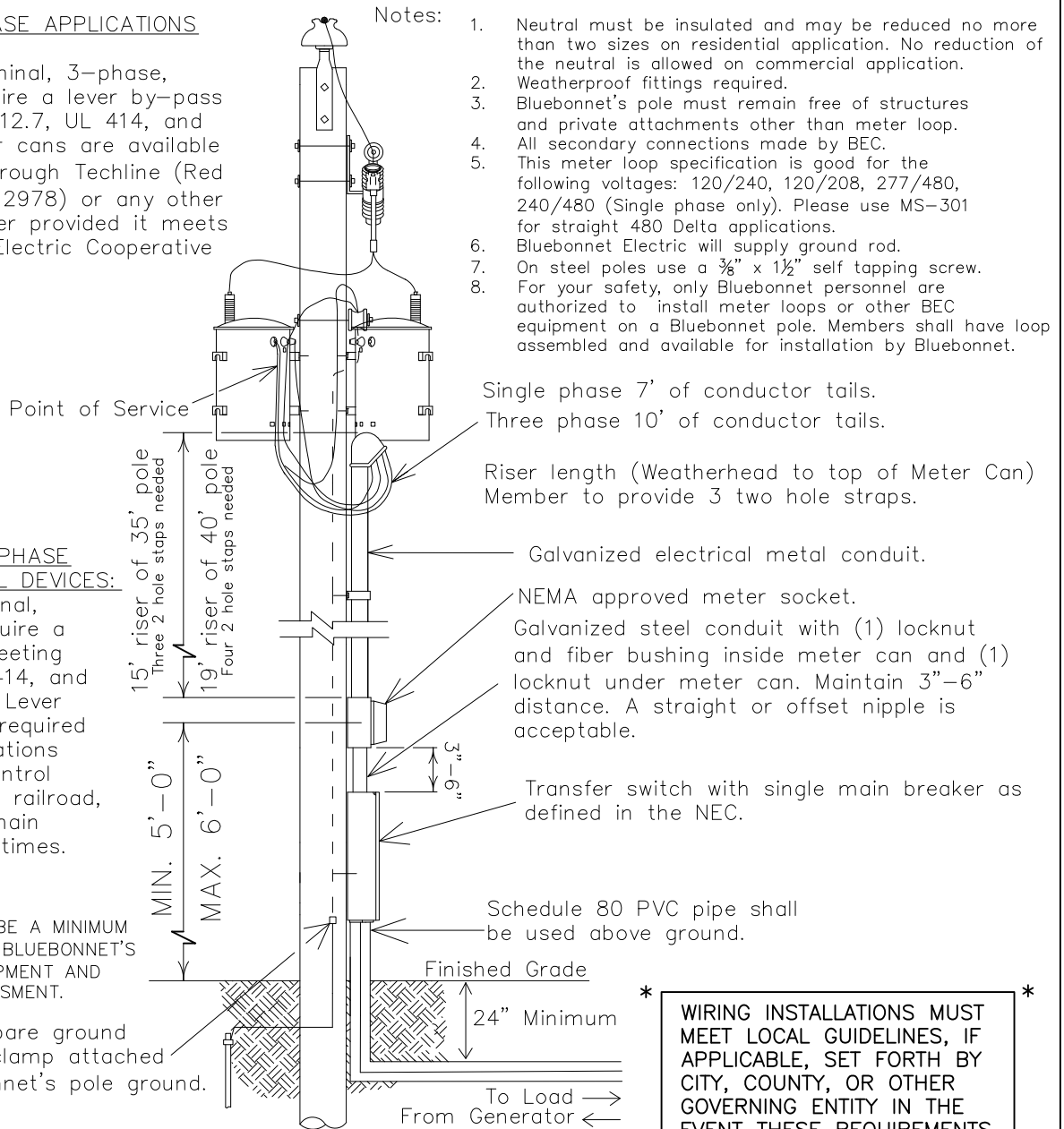
**FOR SINGLE PHASE TRAFFIC CONTROL DEVICES:**

200amp, 4 terminal, 1-phase, will require a lever by-pass meeting ANSI C12.7, UL 414, and NEMA 3R rating. Lever by-pass is only required for meter installations serving traffic control devices, including railroad, that need to remain functional at all times.

GENERATOR SHALL BE A MINIMUM OF 15' AWAY FROM BLUEBONNET'S POLE AND/OR EQUIPMENT AND OUTSIDE OF BEC EASMENT.

#6 solid, bare ground wire and clamp attached to Bluebonnet's pole ground.

FOR THE MEMBER'S SAFETY, WIRING INSTALLATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE NEC, TDLR AND NESC.



**Notes:**

1. Neutral must be insulated and may be reduced no more than two sizes on residential application. No reduction of the neutral is allowed on commercial application.
2. Weatherproof fittings required.
3. Bluebonnet's pole must remain free of structures and private attachments other than meter loop.
4. All secondary connections made by BEC.
5. This meter loop specification is good for the following voltages: 120/240, 120/208, 277/480, 240/480 (Single phase only). Please use MS-301 for straight 480 Delta applications.
6. Bluebonnet Electric will supply ground rod.
7. On steel poles use a 3/8" x 1 1/2" self tapping screw.
8. For your safety, only Bluebonnet personnel are authorized to install meter loops or other BEC equipment on a Bluebonnet pole. Members shall have loop assembled and available for installation by Bluebonnet.

Single phase 7' of conductor tails.

Three phase 10' of conductor tails.

Riser length (Weatherhead to top of Meter Can) Member to provide 3 two hole straps.

Galvanized electrical metal conduit.

NEMA approved meter socket.

Galvanized steel conduit with (1) locknut and fiber bushing inside meter can and (1) locknut under meter can. Maintain 3"-6" distance. A straight or offset nipple is acceptable.

Transfer switch with single main breaker as defined in the NEC.

Schedule 80 PVC pipe shall be used above ground.

Finished Grade

24" Minimum

To Load →  
From Generator ←

Service to load cable enclosed in minimum schedule 40 Gray PVC 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. \***

Latest update can be found at <http://www.bluebonnetelectric.coop>

**CURRENT CARRYING CAPACITIES AND CONDUIT/NIPPLE SIZE REQUIREMENTS OF STANDARD WIRE SIZES**

(RHH, RHW, THW, THWN, AND XHHW)

REFER TO NEC FOR OTHER CALCULATIONS.

COPPER CONDUCTOR			ALUMINUM CONDUCTOR		
Wire Size	Breaker Size	Conduit/Nipple Size	Wire Size	Breaker Size	Conduit/Nipple Size
#6	60 Amp	1 1/4" Conduit	#4	60 Amp	1 1/4" Conduit
#4	100 Amp	1 1/4" Conduit	#2	100 Amp	1 1/4" Conduit
#2	125 Amp	1 1/2" Conduit	#1/0	125 Amp	1 1/2" Conduit
#1	150 Amp	2" Conduit	#2/0	150 Amp	2" Conduit
#2/0	200 Amp	2" Conduit	#4/0	200 Amp	2" Conduit

1Ø OR 3Ø 60-200 AMP METER LOOP WITH TRANSFER SWITCH ON TRANSFORMER POLE



DATE	REVISIONS	Drawn By : JB	Checked By : STANDARDS	Approved By : STANDARDS
		Scale : NONE	Date: 03-29-2022	MS-412