

## Welcome to Bluebonnet Electric Cooperative

Bluebonnet Electric Cooperative Inc. was incorporated in 1939 as the Lower Colorado River Electric Cooperative. The name of the Cooperative was changed to Bluebonnet Electric Cooperative, Inc. in 1964, to enhance a separate identity from the Lower Colorado River Authority (LCRA).

Bluebonnet serves all or part of 14 counties, covers over 3,800 square miles and serves over 98,000 meters. Bluebonnet operates five retail centers: Bastrop, Brenham, Lockhart, Giddings and Manor. Bluebonnet is one of the largest electric cooperatives in Texas. A distribution cooperative, Bluebonnet purchases most of its power wholesale from the LCRA. Bluebonnet operates and maintains approximately 11,619 miles of distribution lines. Bluebonnet owns 20 substations and purchases power at 21 additional substations owned by the LCRA.

Bluebonnet provides this packet to all developers and their agents and it should be used as a guide in planning the installation of electrical equipment for receiving electrical power from the distribution system of Bluebonnet.

The information presented is subject to change and will be revised periodically to reflect any changes which may develop. Please refer to our website at <a href="https://www.bluebonnetelectric.coop">www.bluebonnetelectric.coop</a> for any additional information as well as an online source of this packet.

Thank you. We look forward to working with you as your electrical provider.

Bluebonnet Project Coordination Staff

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# Bluebonnet Electric Cooperative, Inc. Detailed Commercial Load Data

(Anything other than Residential)

Bluebonnet Electric Cooperative, Inc. 3198 E. Austin Street Giddings, TX 78942

Phone: (800)-842-7708 Fax: (979)-542-4150

BP #	W.O. #		
Email Address:			
Applicant Name:	Phone No:		
Service Address:	Date:		
Electrician/Engineer:	Phone No:		
REQUESTED ELECTRICAL SERVICE BUSINESS T	TYPE:		
PRIMARY  [ ] Overhead [ ] Underground  SECONDARY VOLTAGE  [ ] 120/240 - 1ø 3 Wire [ ] 120/208 - 3ø 4 Wire Wye (Service is limited to (3) 100 kVA  (3) 100 kVA transformers on the pole).  [ ] 120/240 - 3ø 4 WIRE DELTA (O/H banks only)  Single phase transformers are limited to (1) 100 kVA transformers	100 kVA transformers on the pole).  [ ] 480 - 3Ø 3 WIRE DELTA (O/H banks only)		
mount transformer for underground service.			
MAIN DISCONNECT (AMPERES) New	Existing (If Any)		
Total connected load in Amps.			
SECONDARY SERVICE ENTRANCE CONDUIT			
SizeIn.	Quantity		
Member's service wire MUST be sized to accommodate FUSE/BREAKER installed inside the disconnect. Residential service may down size their neutral 2 sizes. Commercial service MUST pull in a full size neutral what 250.24(C) for more details.			



## SECONDARY SERVICE ENTRANCE CONDUCTORS

Size	Quantity	per phase
BUILDING SIZE	S	Q.FT.
HOURS OF OPERATION	DAYS OF THE WEEK	
HEAT and AIR CONDITIONING		
Electric Heat (total)	(kW)	(Amps)
A/C (total)	(kW)	(Amps)
Geothermal (motor size)	(kW)	(Amps)
	(FLA - Full Load Amp	os)
	(LRA - Locked Rotor	Amps)
TOTAL LIGHTING LOAD	(kW)	(Amps)
	ng) than 25 HP, may require soft starters or ing. Please Contact Bluebonnet Electric	
	Quantity	(Amps)
HP	Quantity	(Amps)
Total 10 Motor	HP	(Amps)



3ø Motor(s
------------

	HP		Quantity		(Amps)	
	_HP		Quantity		(Amps)	
	_HP		Quantity		(Amps)	
			Quantity		(Amps)	
	HP		Quantity		(Amps)	
Total 3ø Motor		HP		(Amps	)	
<b>Itemized Amp Load</b>						
<u>Load</u> 1		Quantity		<u>Amps</u>		<u>kW</u>
2						
3						
4						
5						
Total Itemized Load			(Amps)			(kW
Total Load on System	<u>m</u>					
Heating Load		(Amps)		(kW)		
A/C Load		(Amps)		(kW))		
Lighting Load		(Amps)		(kW)		
Motor Load		(Amps)		(kW)		
Itemized Load		(Amps)		(kW)		
Total Load		(Amps) _		(kW)		
AUTHORIZED ELEC	TRICAN'S	SIGNATURE				
PRINT NAME:			LIC	CENSE #		
DATE:		РНО	NE#			

# **Developer's Checklist**

# **Responsibility of Developer:**

Ш	Developer must fill out a Development Information Request Form and submit to Bluebonnet along with
_	design fee if required.
Ш	Developer is responsible for confirming all Bluebonnet easement requirements with Bluebonnet prior to
	platting.
	Developer must have an engineering firm submit preliminary plan of development in digital (AutoCAD)
	format to Bluebonnet Engineering Department. These plans must include streets, wet utilities, and
	grading plans as well as any other utilities planned for said development.
	A design/re-design fee of \$50/hr. could be required either prior to or following the design process. This
	decision will be made at the discretion of Bluebonnet on a case by case basis. These fees are non-
	refundable and are subject to revision at Bluebonnet's discretion.
	Prior to Bluebonnet construction, two (2) hard copies of the approved plat must be submitted.
	Developer must provide and install all underground conduits at road crossings in the designated locations
	per Bluebonnet Crossing Plans, and if applicable, all electrical conduits in designated locations per
	Bluebonnet Construction Plans. See Bluebonnet Specifications.
	Developer is responsible for following Bluebonnet inspection policies and procedures prior to and during
	conduit installation if using his own contractor (see Page 8).
	Property pins must be set and clearly visible at all property corners, at developer's expense, prior to
	Bluebonnet commencing construction.
	Developer is responsible for submitting contribution-in-aid of construction (CIAC) to cover Bluebonnet's
	construction costs prior to Bluebonnet commencing construction. Bluebonnet will commence
	construction after receipt of this payment. Scheduled construction days for your project are contingent
	upon Bluebonnet's work load and weather.
	•
	Bluebonnet will clear the right-of-way for proposed overhead facilities for an additional charge (\$5.00
	per linear foot). See Bluebonnet Specifications.
	Developer is responsible for ensuring conduit contractor and/or subcontractor adherence to all
	Bluebonnet Construction Specifications at all times.
	Developer is to provide ALL materials necessary for the conduit system he installs for his Bluebonnet
	Underground System. Bluebonnet will own these materials after proper installation is certified by a
	Bluebonnet Inspector.

## **Developer's Fees and Information**

#### **Development Fees**

- 1. A design/re-design fee of \$50/hr. could be required either prior to or following the design process. This decision will be made at the discretion of Bluebonnet on a case by case basis. These fees are non-refundable and are subject to revision at Bluebonnet's discretion.
- 2. Every request for design and every alteration to all initial requests for design services may be considered as an individual request and, therefore are subject to additional fees to be determined by Bluebonnet.
- 3. When the developer or prospective developer enters into a line extension agreement with Bluebonnet for service, monies received for engineering design estimates of service will be applied to the cost of construction. Bluebonnet's Line Extension Policy can be found in the enclosed Member Handbook or on the "Residential Development" link on our website at www.bluebonnetelectric.coop
- 4. If the developer or prospective developer does not notify Bluebonnet within a 180 day period of initial design with the intent to proceed, then any design fees paid to date will be forfeited and the prospective project will be treated as new.
- 5. A maintenance fee of \$1 per linear foot of trench will be required at the time of contribution by the developer to cover the cost of any necessary repairs in the first year following the completion of Bluebonnet facilities installation.

## Easements / Right-of-Way

- 1. Bluebonnet shall be granted, at no cost and in writing suitable for recording, all rights-of-way and easements necessary to serve member, overhead or underground for the erection, maintenance, repair, replacement, removal or use of all wires, poles, machinery, fixtures, or equipment needed to supply and deliver electric service to the member.
- 2. A signed easement granted to Bluebonnet will be required before construction will commence. Once Bluebonnet facilities are installed, the easement will adhere to the facilities, from the installation point with a 15 foot easement on each side of the centerline (30 feet of easement) of overhead facilities and 20 foot easement (10 feet on each side of the centerline), for underground facilities.
- 3. Only Bluebonnet equipment or material is allowed to be attached to Bluebonnet property, except where said equipment and/or materials is required to provide electrical service and said equipment and/or material has been authorized by Bluebonnet.
- 4. Please note that Bluebonnet facilities must be installed in easements that are exclusive to Bluebonnet with no other utilities being allowed in these easements except for buried crossings.

#### **Location of Facilities**

All overhead or underground distribution lines and equipment will be located in an area that is easily accessible by Bluebonnet vehicles and personnel.

## **Developer Installed Conduit Guidelines and Procedures**

- 1. Developer will review Bluebonnet's construction specifications prior to trenching and conduit installation (specifications included in this document). Developer is encouraged to contact Bluebonnet inspector listed in #3 below with any questions.
- 2. Developer must provide and install all underground material in the designated locations per Bluebonnet's design. Bluebonnet will provide and install the associated hardware such as sectionalizers and transformers that will be located above ground.
- 3. Developer will contact the Bluebonnet Project Coordinator when conduit and stub-ups are installed prior to filling the ditch (open ditch inspection). Bluebonnet will respond within 48 hours of notification. Please choose from the list of Bluebonnet Project Coordinators to schedule an inspection.
  - Project Coordinator Rodney Gerik, may be reached at (979) 540-8814 (cell), or at rodney.gerik@bluebonnet.coop.
  - Project Coordinator Shawn Ely, may be reached at (979) 540-7361 (cell), or at shawn.ely@bluebonnet.coop.
  - Project Coordinator Bill Scoggins, may be reached at (979) 716-7038 (cell), or at bill.scoggins@bluebonnet.coop.
  - Project Coordinator Shane Mathison, may be reached at (979) 542-8540, or at shane.mathison@bluebonnet.coop.
- 4. Trenches will remain open until inspected and approved by the Bluebonnet inspector. Upon inspection, developer will be advised as to what may or may not be backfilled.
- 5. Bluebonnet retains the right to terminate any conduit installation if inspection reveals non-compliance with Bluebonnet inspection policies, procedures, or specifications until said issues are resolved and approved through re-inspection.
- 5. Equipment location and conduit stubs must meet clearance requirements on all sides as outlined in Bluebonnet Specifications.
- 6. Developer or his/her contractor is responsible for acquiring any and all permits and remitting any necessary fees for trench and conduit installation (excavation plans, traffic control plans, digging permits, etc.)

# **Developer's Checklist**

#### **Responsibility of Developer:**

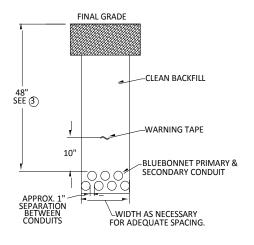
Developer is responsible for confirming all easement requirements with Bluebonnet prior to installation.
Developer is responsible for following Bluebonnet's inspection policies and procedures prior to and
during conduit installation.
Developer is responsible for all right-of-way clearing or grubbing to Bluebonnet's specifications.
Developer is responsible for adherence to all Bluebonnet's Construction Specifications.

# **Developer's Fees and Information**

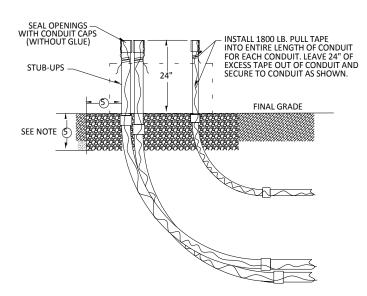
- 1. Every request for alteration to initial requests for design services are subject to additional fees to be determined by Bluebonnet.
- 2. Bluebonnet's Line Extension Policy can be found in the Member Handbook.
- 3. A maintenance fee of \$1 per linear foot of trench will be required at the time of contribution by the member to cover the cost of any necessary repairs in the first year following the completion of Bluebonnet's underground facilities installation.
- 4. Cost estimate given to developer will be good for 90 days.

# DITCH AND CONDUIT PLACEMENT NON-ROAD CROSSING

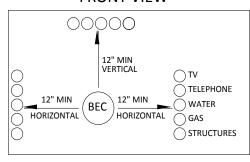
# PRONT VIEW



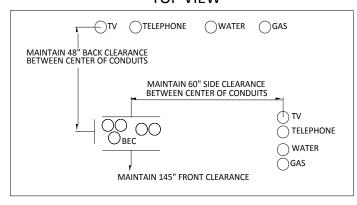
# CONDUIT STUB-UP SIDE VIEW



# CONDUIT CLEARANCES FRONT VIEW



# CONDUIT STUB-UP CLEARANCES TOP VIEW



ANY CONDUITS STUBBED OUT FOR FUTURE USE SHALL EXTEND A MINIMUM OF 5' FROM EQUIPMENT. ENDS SHALL BE MARKED WITH 3" DIAMETER GREY PVC CONDUIT, EXTENDING 4' ABOVE GRADE AND PAINTED RED.

#### NOTES:

- 1. CONDUIT SHALL BE GREY SCHEDULE 40 PVC. | PRIMARY & SECONDARY= 3" | LIGHTING= 2"
- 2. CONDUIT ELBOW: PRIMARY & SECONDARY= 90°, 48" SWEEP | STREETLIGHT = 90°, 24" SWEEP
- 3. NORMAL DITCH COVER DEPTH IS 48". ADJUSTMENTS MAY BE MADE TO 48" DEPTH IF NECESSARY UPON BLUEBONNET APPROVAL.
- 4. SEPARATION FROM OTHER UTILITIES SHALL BE 12" MINIMUM OR SUFFICIENT TO PREVENT ANY FORESEEN DAMAGE OF EITHER FACILITY TO THE OTHER.
- 5. GRAVEL FOR PADS SHALL BE 3/8" WASHED PEA GRAVEL. DEPTH AND WIDTH SHALL BE TO EQUIPMENT SPECIFICATION.



DATE APPROVED: SEPTEMBER 8, 2016

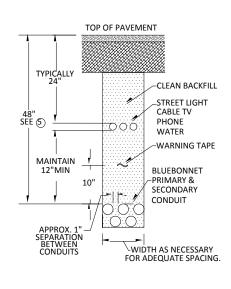
UNDERGROUND DISTRIBUTION

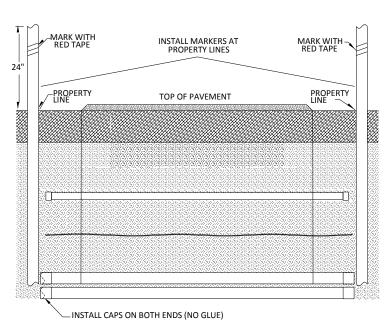
J-3

# DITCH AND CONDUIT PLACEMENT ROAD CROSSING

#### CONDUIT FRONT VIEW

#### CONDUIT SIDE VIEW





ANY CONDUITS STUBBED OUT FOR FUTURE USE SHALL EXTEND A MINIMUM OF 5' FROM EQUIPMENT. ENDS SHALL BE MARKED WITH 3" DIAMETER GREY PVC CONDUIT, EXTENDING 4' ABOVE GRADE AND PAINTED RED.

#### NOTES:

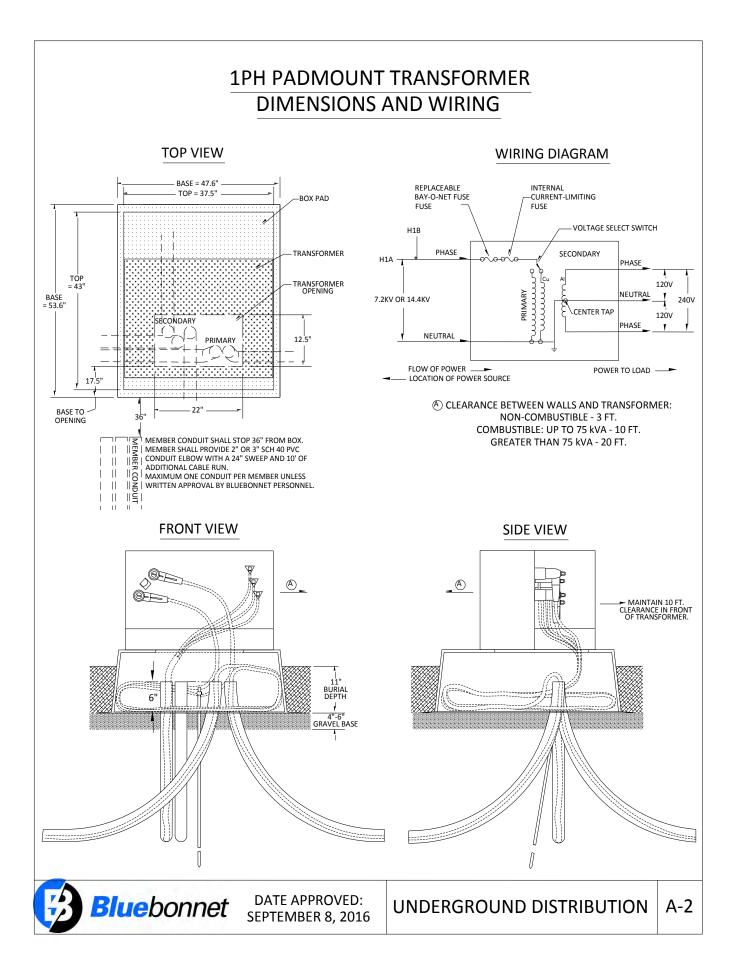
- 1. STATE AND LOCAL CODES MAY REQUIRE DIFFERENT STANDARDS, IN WHICH CASE THE MOST STRINGENT CODE SHALL TAKE PRECEDENCE.
- 2. CONDUIT SHALL BE MINIMUM GRAY SCHEDULE 40 PVC. | PRIMARY & SECONDARY = 3" | LIGHTING = 2"
- 3. CONDUIT ELBOW: PRIMARY & SECONDARY = 90°, 48" SWEEP | LIGHTING = 90°, 24" SWEEP
- 4. LENGTH OF CONDUITS SHALL BE FROM PROPERTY LINE TO PROPERTY LINE.
- 5. NORMAL COVER DEPTH IS 48". ADJUSTMENTS MAY BE MADE TO 48" DEPTH IF NECESSARY UPON BLUEBONNET APPROVAL.



DATE APPROVED: SEPTEMBER 8, 2016

UNDERGROUND DISTRIBUTION

J-4



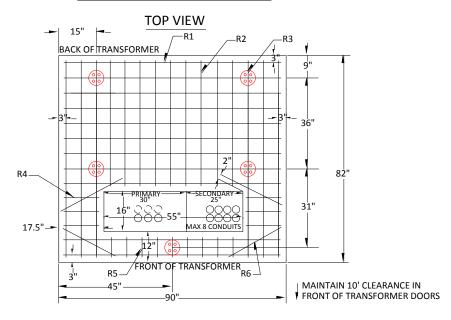
# 1PH PADMOUNT SECTIONALIZER **DIMENSIONS AND WIRING TOP VIEW** BASE = 47.6" BOX PAD SECTIONALIZER -SECTIONALIZER OPENING BASE = 53.6 OPENING SIDE VIEW **FRONT VIEW** $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ MAINTAIN 3 FT. CLEARANCE FROM SIDES OF SECTIONALIZER BOX PAD OPENING MAINTAIN 10 FT. CLEARANCE FROM FRONT OF SECTIONALIZER 11" BURIAL DEPTH 4"-6" GRAVEL BASE

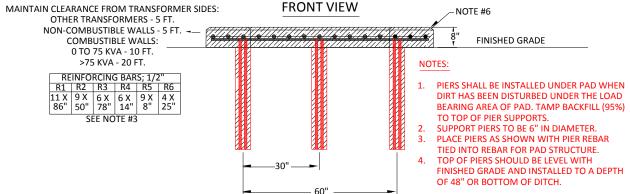


**UNDERGROUND DISTRIBUTION** 

**C-2** 

# 3PH TRANSFORMER PAD 45 - 750 KVA (UM3-A)





ANY CONDUITS STUBBED OUT FOR FUTURE USE SHALL EXTEND A MINIMUM OF 5' FROM EQUIPMENT. ENDS SHALL BE MARKED WITH 3" DIAMETER GREY PVC CONDUIT, EXTENDING 4' ABOVE GRADE AND PAINTED RED.

#### NOTES:

- 1. TAMP GROUND UNDER PAD BEFORE SETTING TO PREVENT UNEVEN SETTLING.
- 2. CONCRETE: 3000 POUNDS MIN. PER SQUARE INCH; 4% TO 6% ENTRAINED AIR, 3/4" MAX. SIZE AGGREGATE.
- 3. REINFORCING STEEL: ATSM-A615 GRADE 60; EVENLY SPACE APPROXIMATELY 6" O.C. EACH WAY AND SECURELY TIED TOGETHER.
- 4. MINIMUM 2 INCH CONCRETE COVER OVER REINFORCING STEEL.
- 5. WOOD FLOAT LEVEL FINISH LEAVING NO DEPRESSIONS.
- 6. 3/4" CHAMFER ALL EDGES.
- 7. PRIMARY AND SECONDARY CONDUIT SHALL BE INSTALLED AND SEALED BEFORE POURING PAD.
- 8. IF FUTURE EXPANSION TO A TRANSFORMER LARGER THAN 750 KVA IS POSSIBLE, BLUEBONNET MAY REQUEST THE CONSTRUCTION OF THE PAD ON PAGE B-6.
- 9. MAXIMUM OF 8 CONDUITS, 4" SCHEDULE 40 PVC PIPES ARE ALLOWED IN THE SECONDARY COMPARTMENT.
- 10. STUB THE SECONDARY PIPES AS CLOSE TO THE EDGE SECONDARY CUTOUT AS POSSIBLE. (SEE DRAWING)
- 11. MAXIMUM OF 6 CONDUITS, 3" SCHEDULE 40 PVC PIPES ARE ALLOWED IN THE PRIMARY COMPARTMENT.

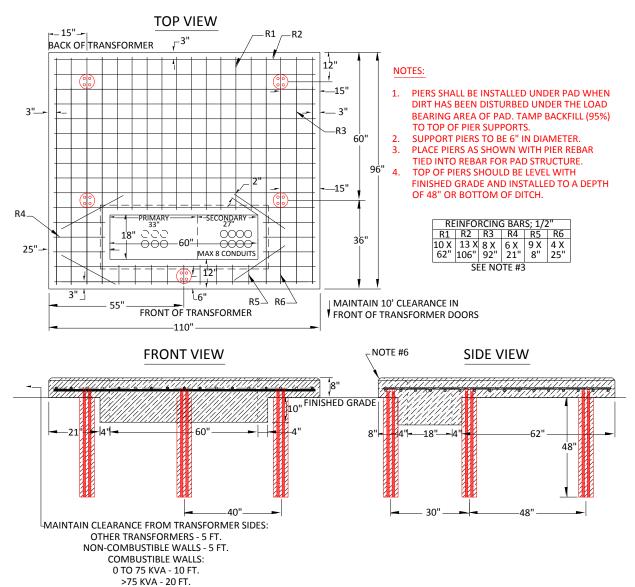


DATE APPROVED: December 28, 2018

UNDERGROUND DISTRIBUTION

B-5

# 3PH TRANSFORMER PAD 1000 - 2500 KVA (UM3-B)



#### NOTES:

- 1. TAMP GROUND UNDER PAD BEFORE SETTING TO PREVENT UNEVEN SETTLING.
- 2. CONCRETE: 3000 POUNDS MIN. PER SQUARE INCH; 4% TO 6% ENTRAINED AIR, 3/4" MAX. SIZE AGGREGATE.
- 3. REINFORCING STEEL: ATSM-A615 GRADE 60; EVENLY SPACE APPROXIMATELY 6" O.C. EACH WAY AND SECURELY TIED TOGETHER.
- 4. MINIMUM 2 INCH CONCRETE COVER OVER REINFORCING STEEL.
- 5. WOOD FLOAT LEVEL FINISH LEAVING NO DEPRESSIONS.
- 6. 3/4" CHAMFER ALL EDGES.
- 7. PRIMARY AND SECONDARY CONDUIT SHALL BE INSTALLED AND SEALED BEFORE POURING PAD.
- 8. MAXIMUM OF 8 CONDUITS, 4" SCHEDULE 40 PVC PIPES ARE ALLOWED IN THE SECONDARY COMPARTMENT.
- 9. STUB THE SECONDARY PIPES AS CLOSE TO THE EDGE SECONDARY CUTOUT AS POSSIBLE. (SEE DRAWING)
- 10. MAXIMUM OF 6 CONDUITS, 3" SCHEDULE 40 PVC PIPES ARE ALLOWED IN THE PRIMARY COMPARTMENT.



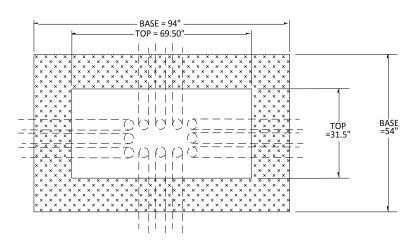
DATE APPROVED: December 28, 2018

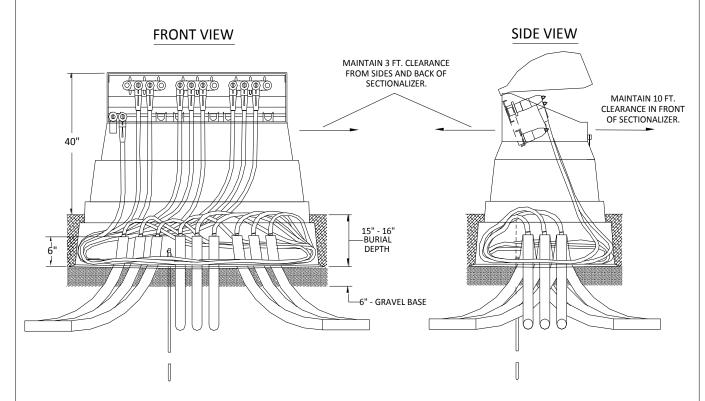
UNDERGROUND DISTRIBUTION

B-6

## 3PH 600A SECTIONALIZER - DIMENSIONS

#### **TOP VIEW**





ANY CONDUITS STUBBED OUT FOR FUTURE USE SHALL EXTEND A MINIMUM OF 5' FROM EQUIPMENT. ENDS SHALL BE MARKED WITH 3" DIAMETER GREY PVC CONDUIT, EXTENDING 4' ABOVE GRADE AND PAINTED RED.



DATE APPROVED: SEPTEMBER 8, 2016

UNDERGROUND DISTRIBUTION D-2B

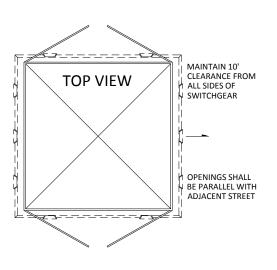
# **SWITCHGEAR - DIMENSIONS**

FROM ANY DIRECTION

#### **TOP VIEW**

# CENTER CONDUIT STUB-UPS TO CENTER OF PAD OPENINGS 75.5" 87" 96" CONDUIT MAY APPROACH

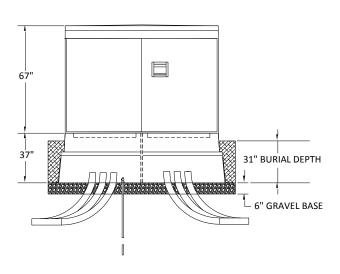
#### **CLEARANCES**



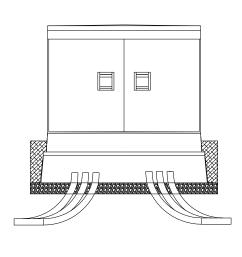
#### **FRONT VIEW**

-PAD TOP = 87"

PAD BASE = 96"



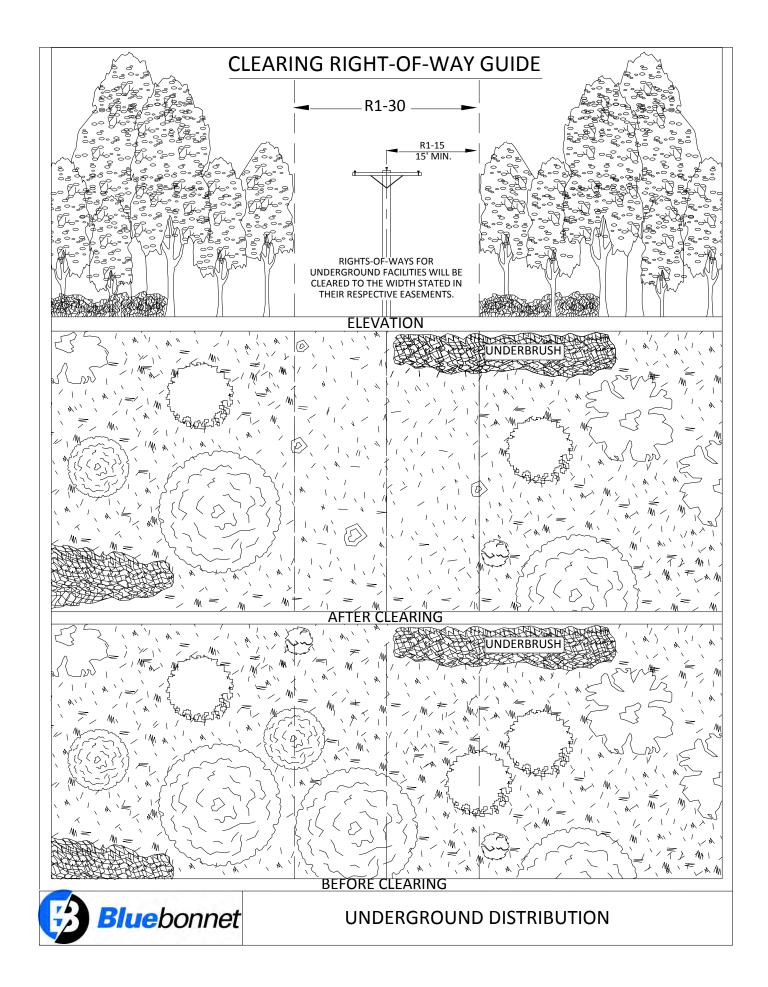
#### SIDE VIEW

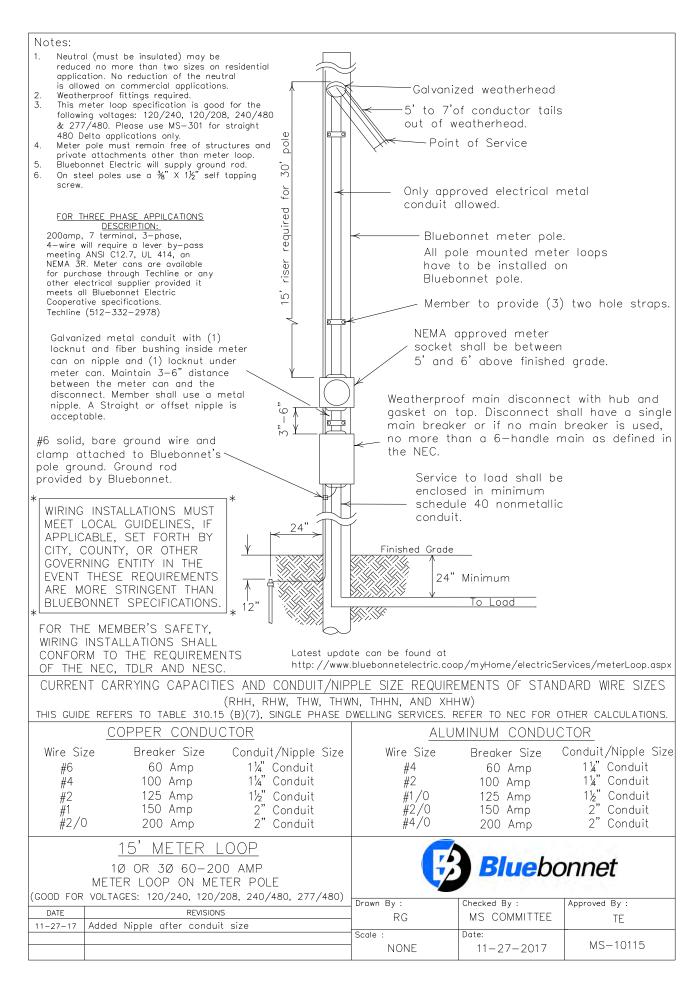


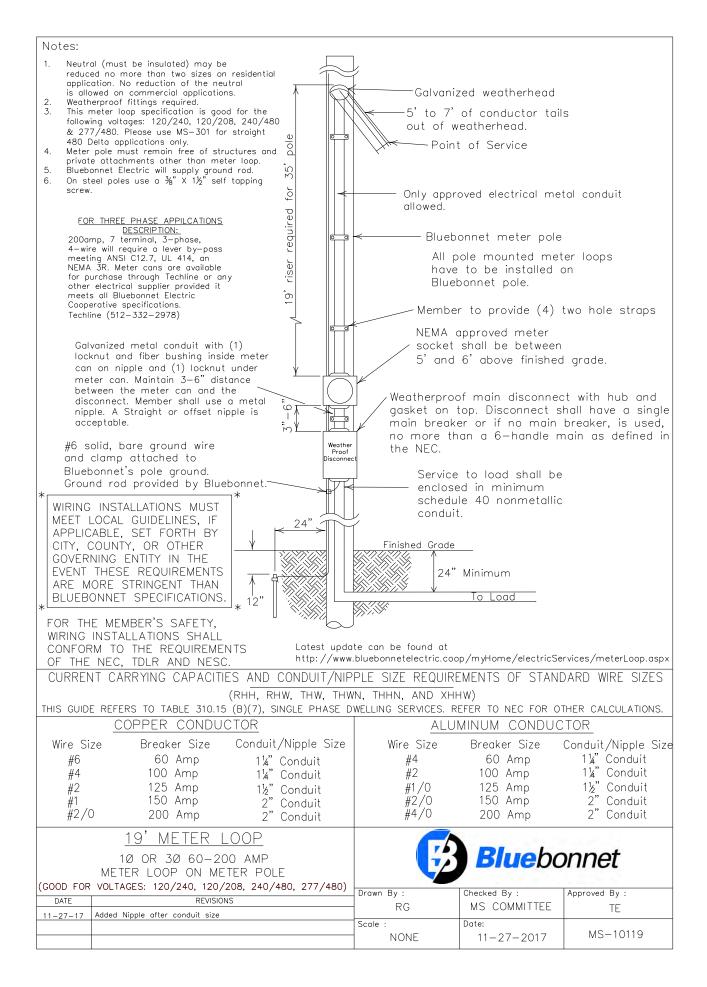


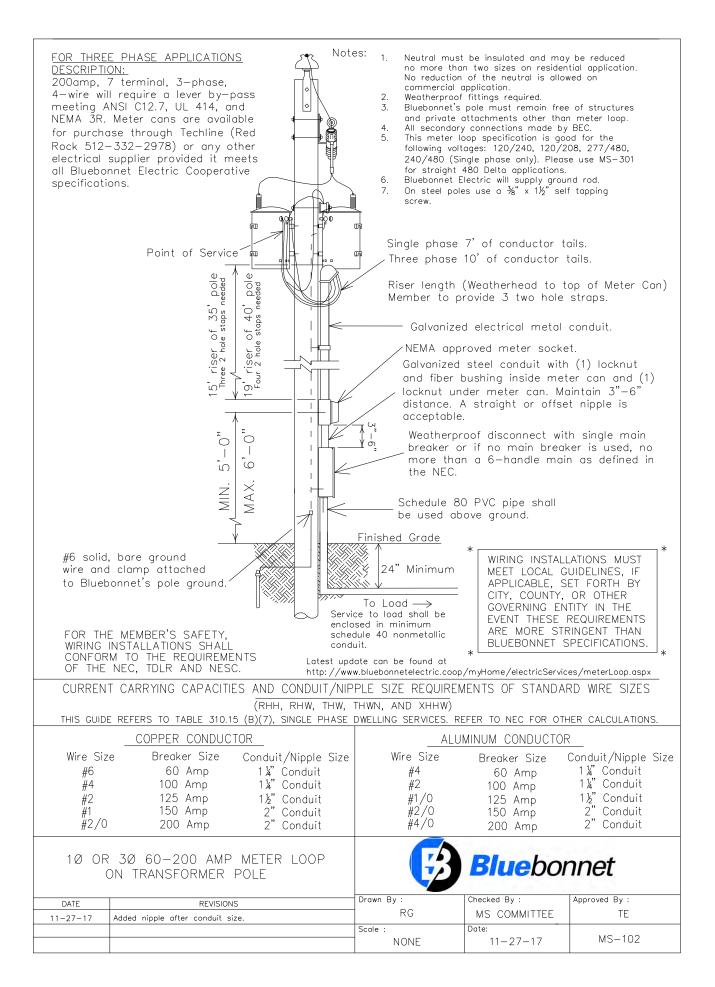
DATE APPROVED: SEPTEMBER 8, 2016

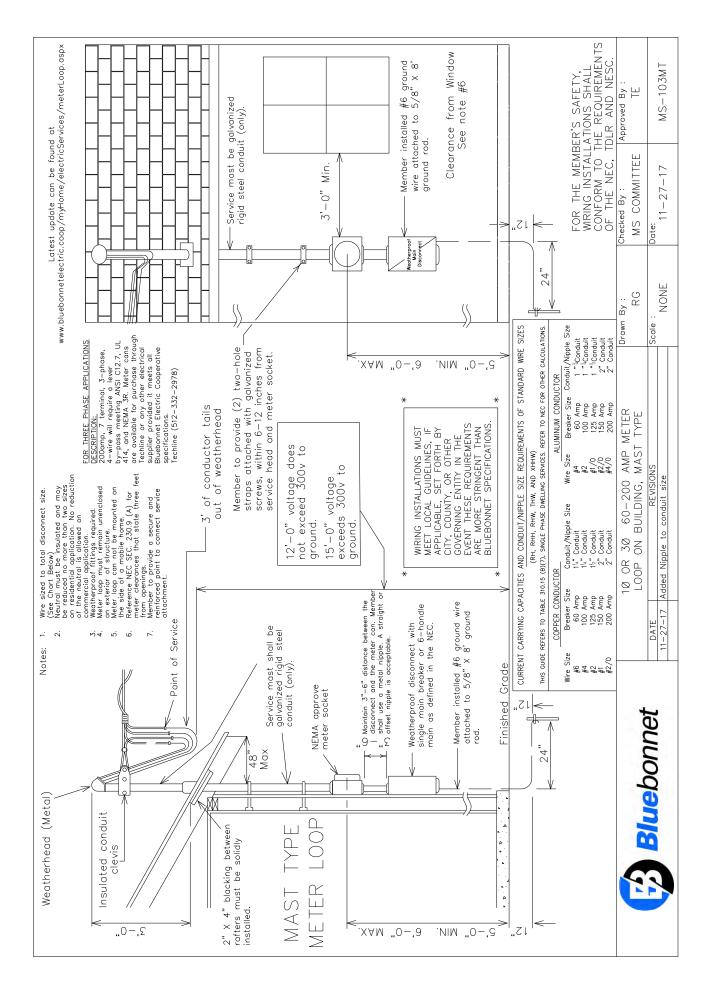
**UNDERGROUND DISTRIBUTION** 

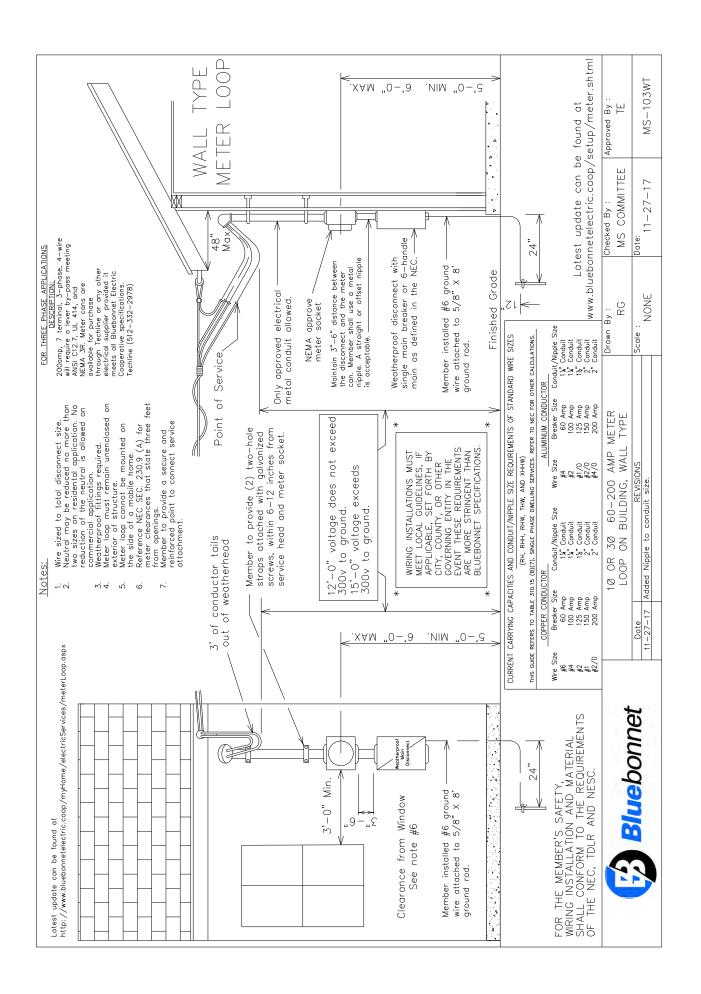


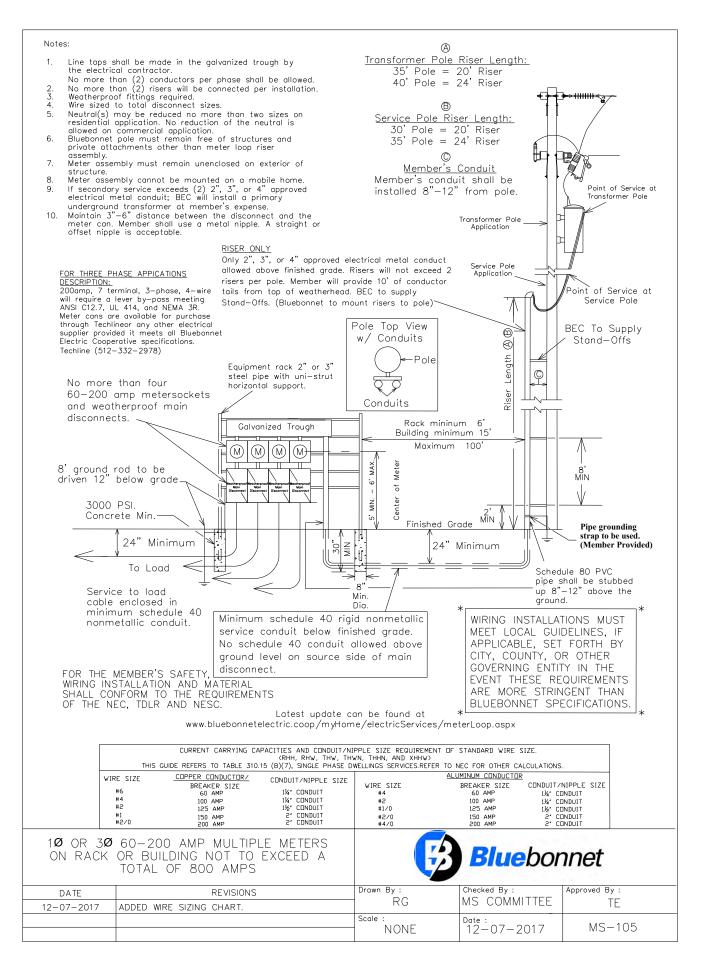


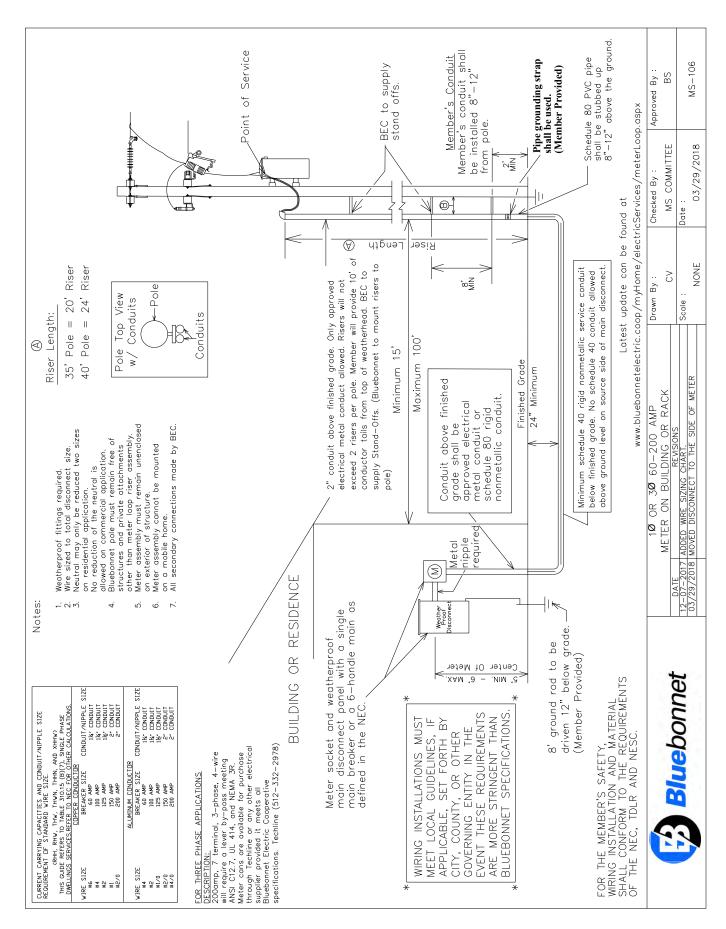


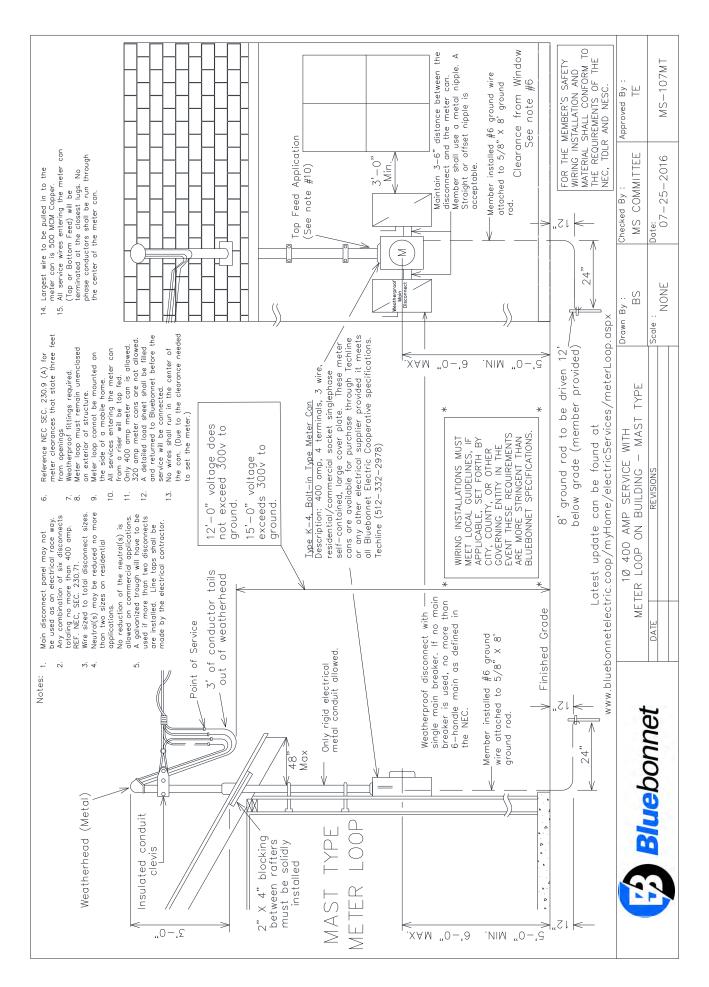


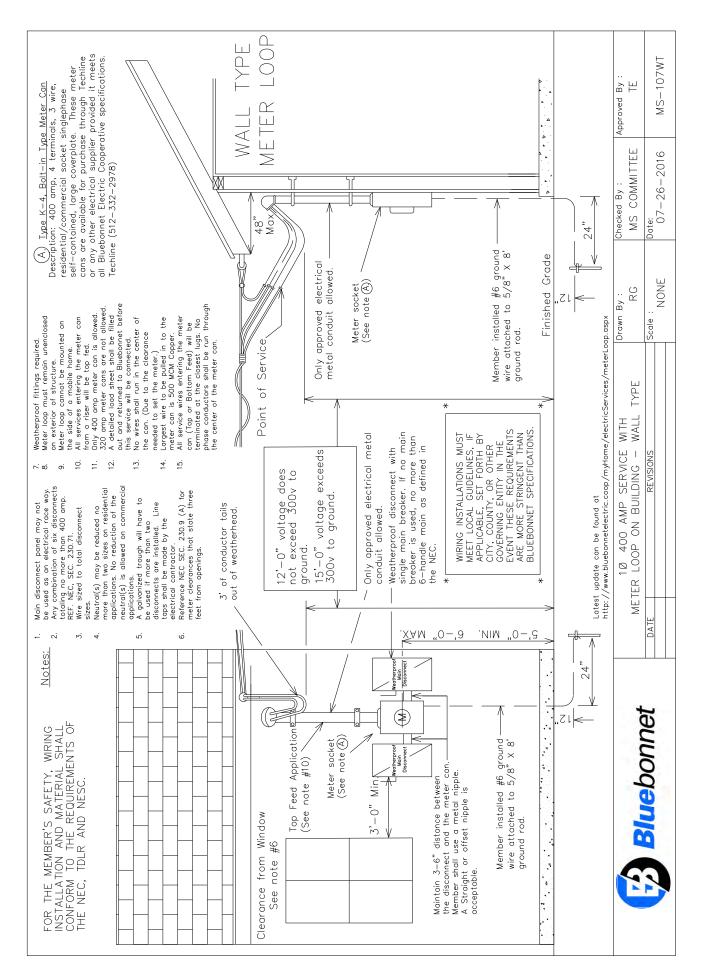


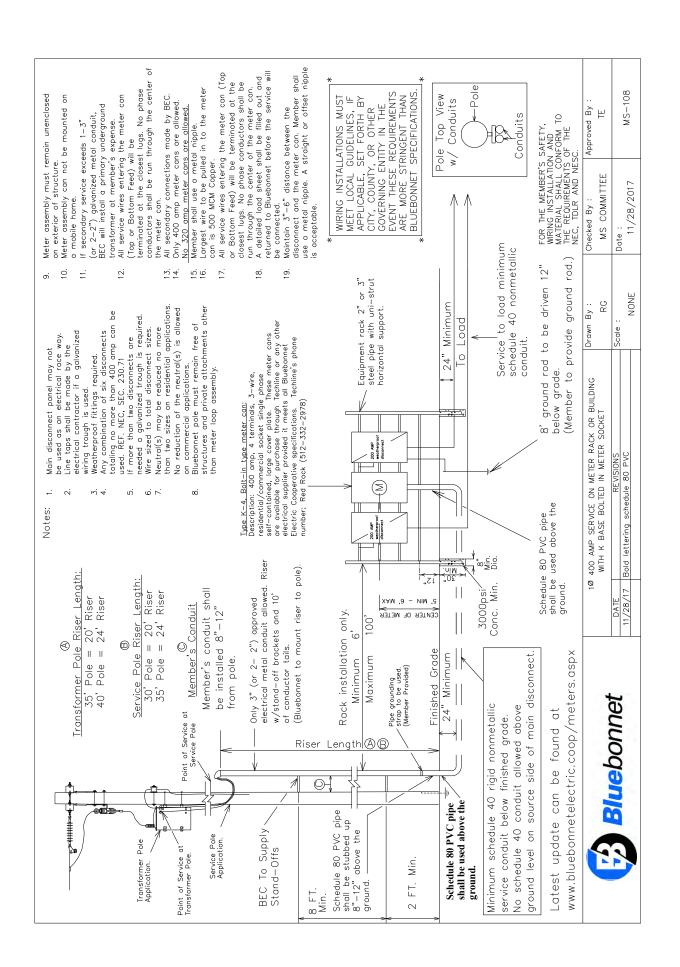


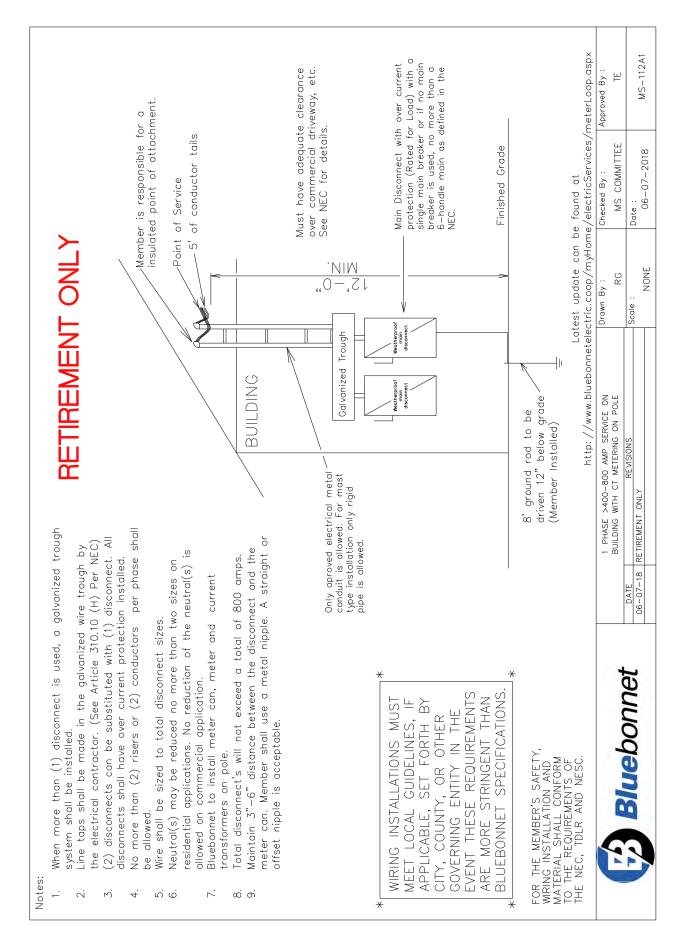


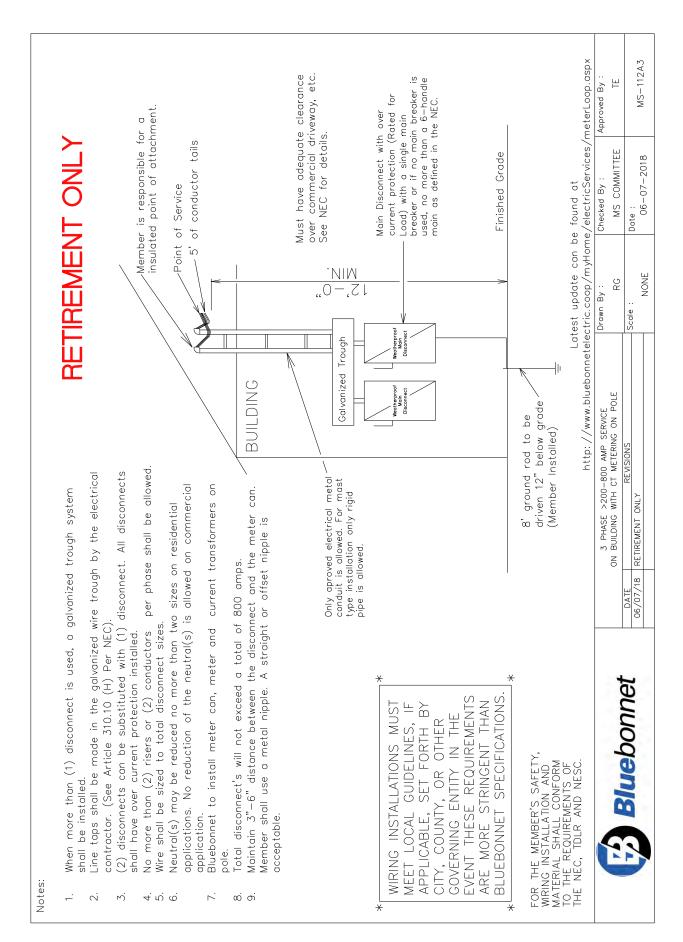


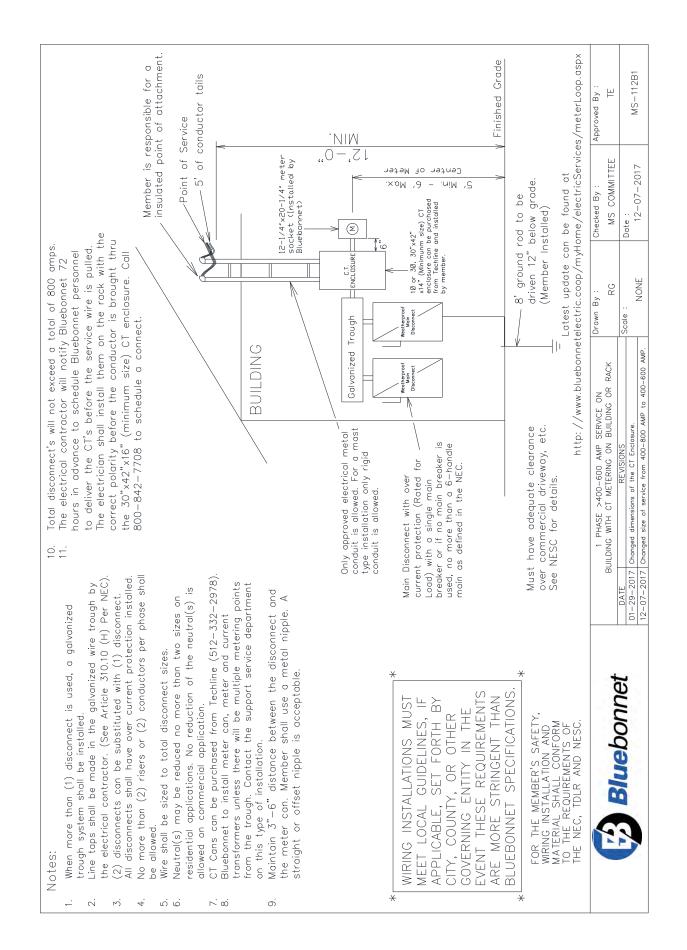


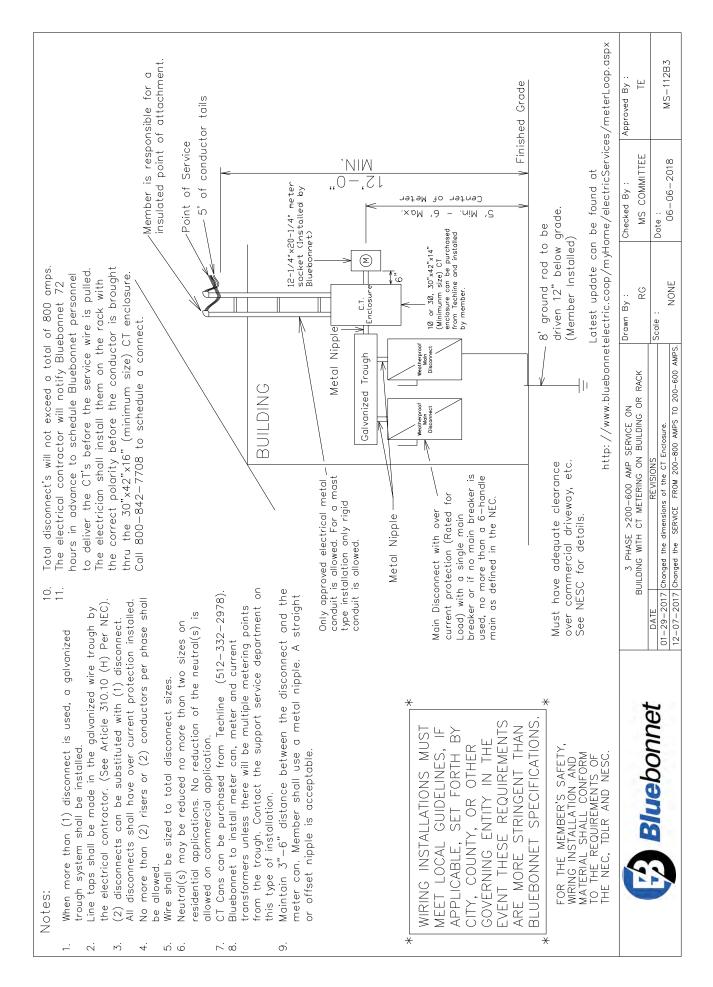


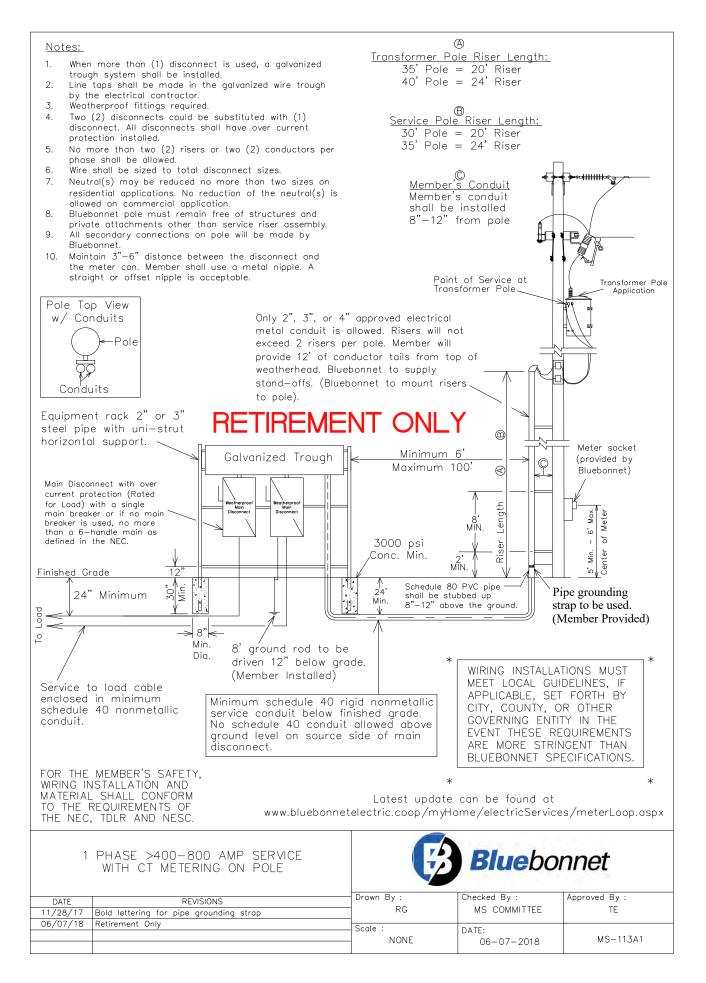


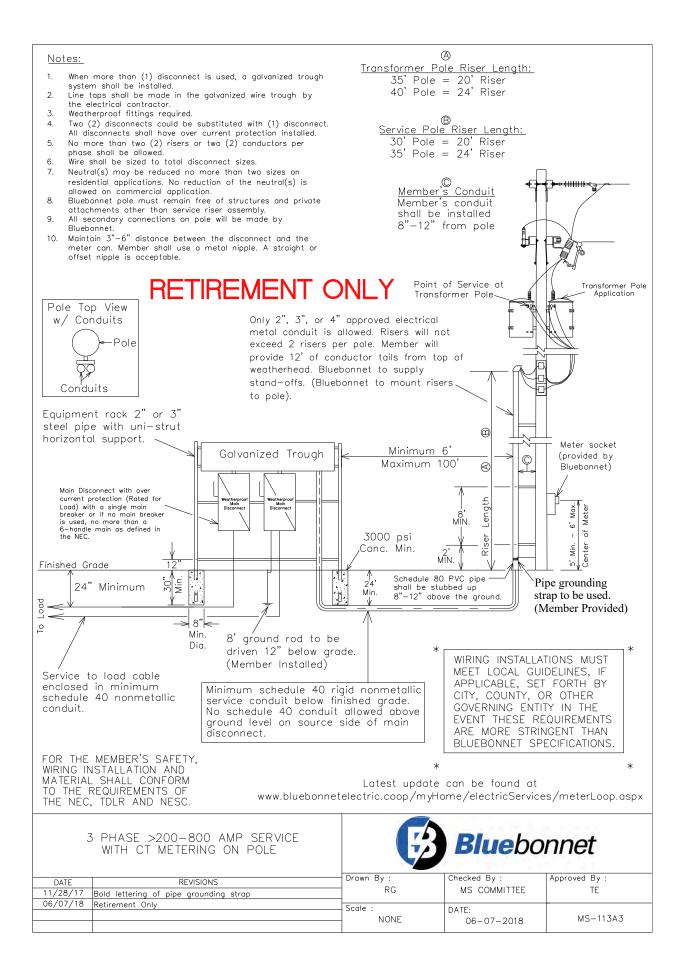


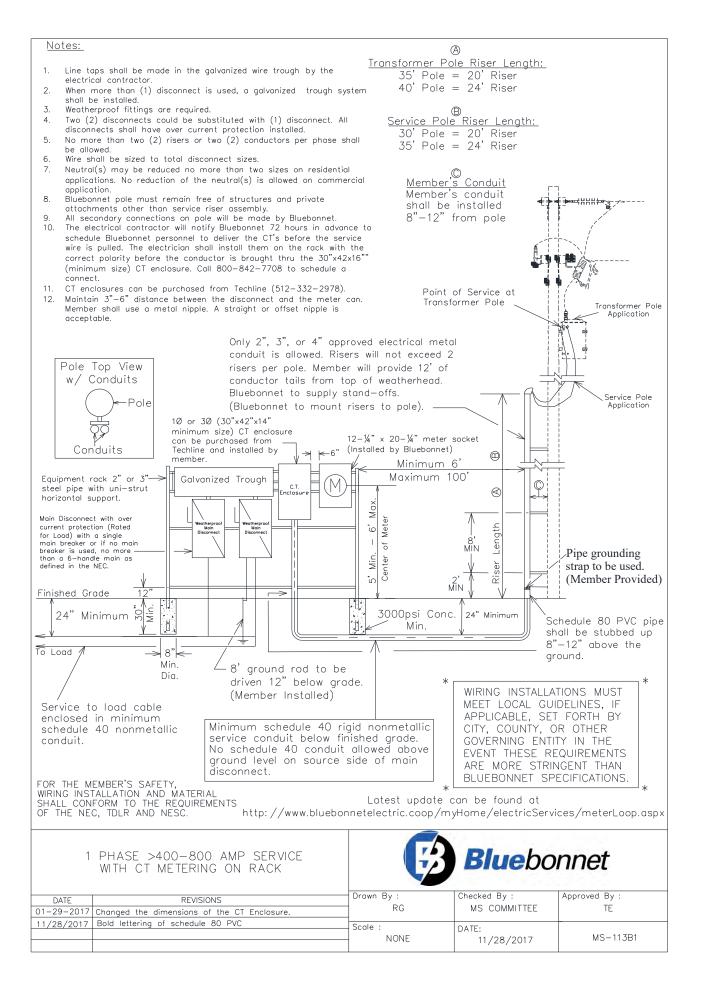


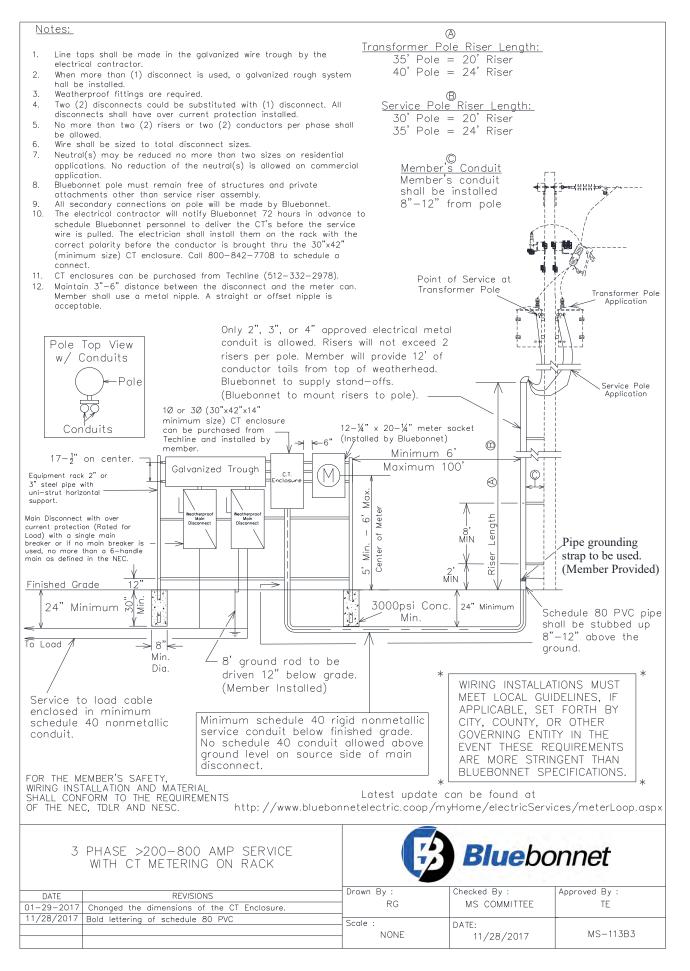








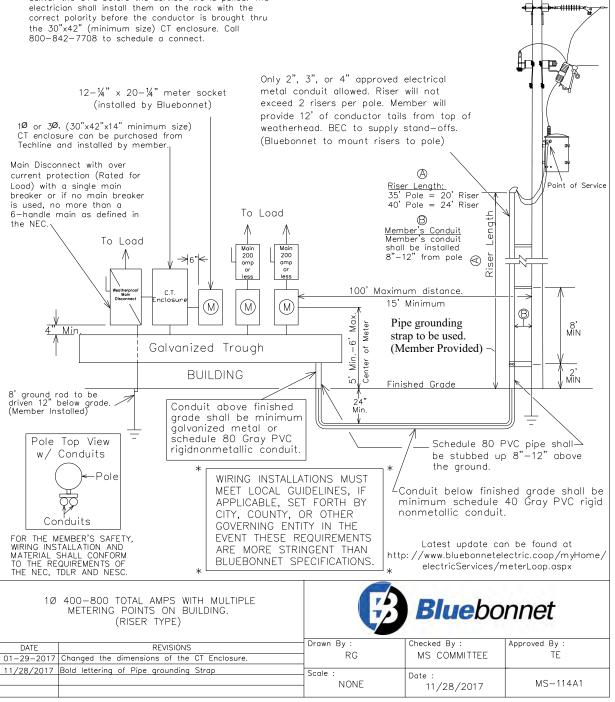




## Notes:

- Line taps shall be made in the galvanized wiring trough by the electrical contractor.
- Weatherproof fittings Required.
- (2) disconnects could be substituted with (1) 3. disconnect. All disconnects shall have over current protection installed.
- No more than (2) risers or (2) conductors per phase shall be allowed.
- 5. Wire shall be sized to total name plate disconnect sizes.
- 6 Neutral(s) may be reduced no more than two sizes on residential application. No reduction of the neutral(s) 12. is allowed on commercial application.
  The electrical contractor will notify Bluebonnet 72
- hours in advance to schedule Bluebonnet personnel to deliver the CT's before the service wire is pulled. The electrician shall install them on the rack with the correct polarity before the conductor is brought thru the 30"x42" (minimum size) CT enclosure. Call

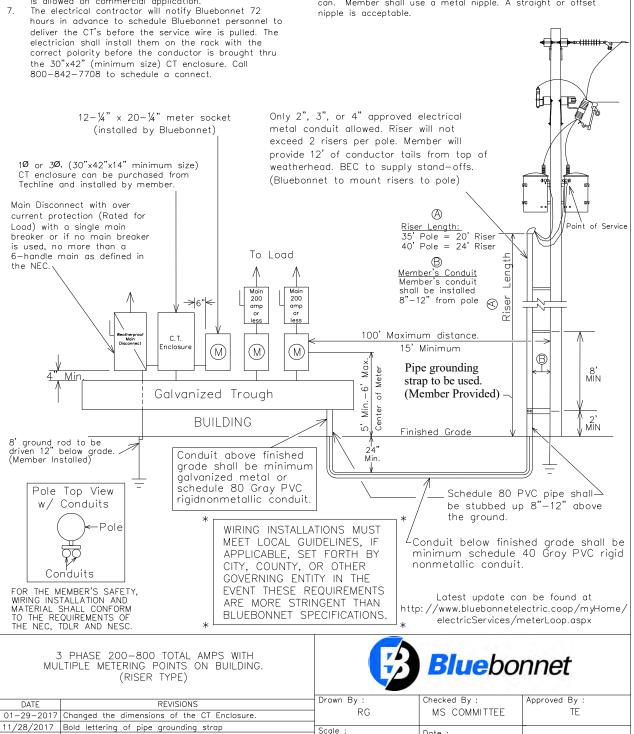
- More than (6) main disconnects require a properly sized
- main disconnect ahead of the galvanized trough.
  Bluebonnet pole must remain free of structures and private 9. attachments other than meter loop riser assembly.
- Meter assembly must remain unenclosed on exterior of 10.
- 11. Type K-4, Bolt-in type meter can: Description: 400 amp, 4 terminals, 3-wire, residential/commercial socket single phase self—contained, large cover plate. These meter cans are available for purchase through Techline (512-332-2978) or any other electrical supplier provided it meets all Bluebonnet Electric Cooperative specifications.
  - Maintain 3"-6" distance from the disconnect and the meter can. Member shall use a metal nipple. A straight or offset nipple is acceptable.



## Notes:

- Line taps shall be made in the galvanized wiring trough by the electrical contractor.
- Weatherproof fittings Required.
- (2) disconnects could be substituted with (1) disconnect. All disconnects shall have over current protection installed.
- 4. No more than (2) risers or (2) conductors per phase shall be allowed.
- 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.
- More than (6) main disconnects require a properly sized main disconnect ahead of the galvanized trough.
- Bluebonnet pole must remain free of structures and private attachments other than meter loop riser assembly.
- Meter assembly must remain unenclosed on exterior of structure.
- Type K-4, Bolt-in type meter can: Description: 400 amp, 4 terminals, 3-wire, residential/commercial socket single phase self-contained, large cover plate. These meter cans are available for purchase through Techline (512-332-2978) or any other electrical supplier provided it meets all Bluebonnet Electric Cooperative specifications.

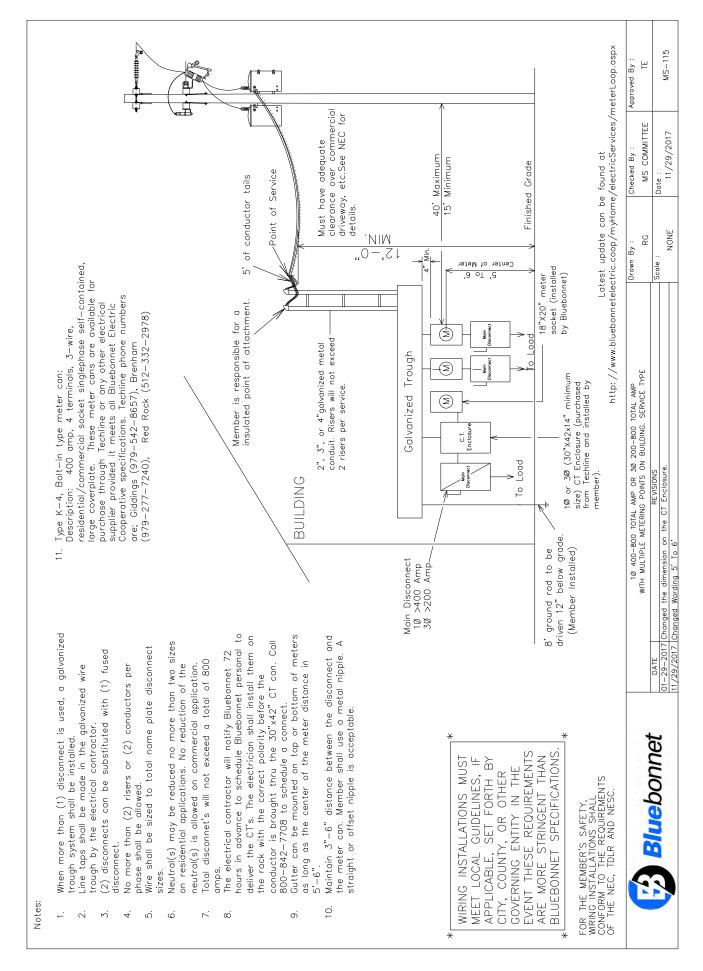
Maintain 3"-6" distance from the disconnect and the meter can. Member shall use a metal nipple. A straight or offset nipple is acceptable

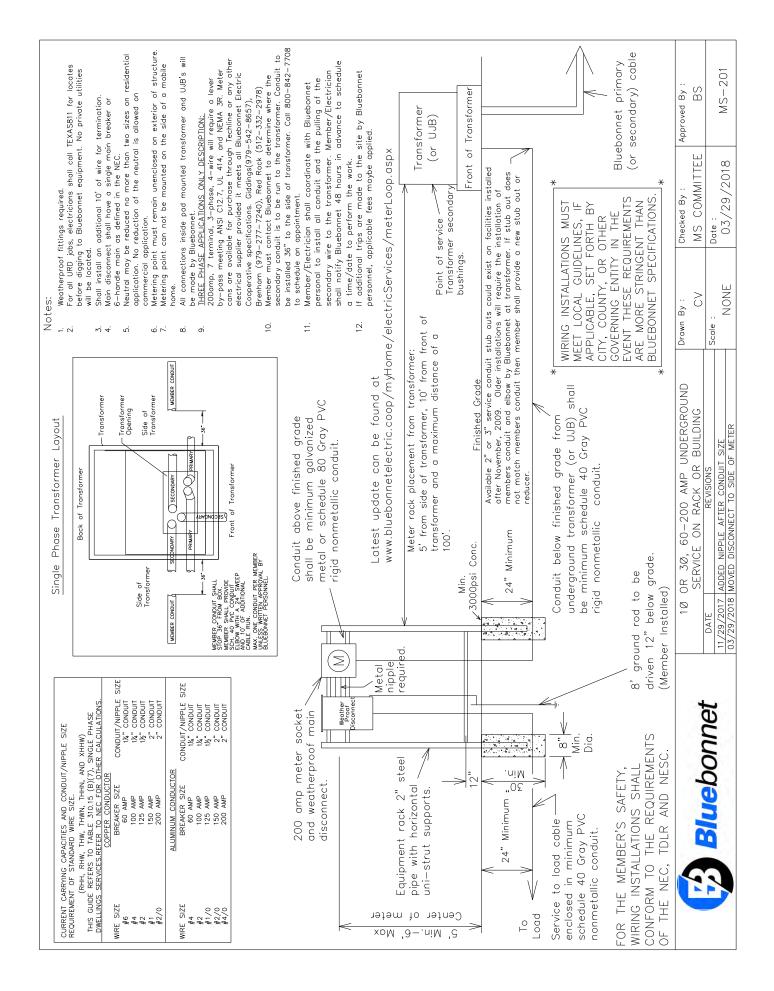


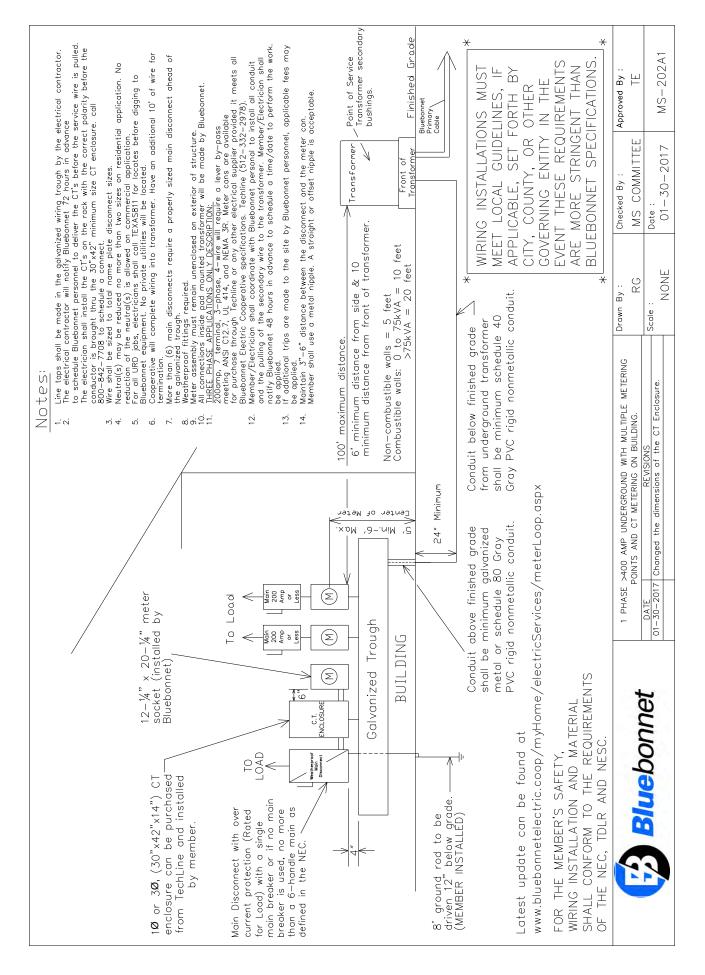
MS-114B3

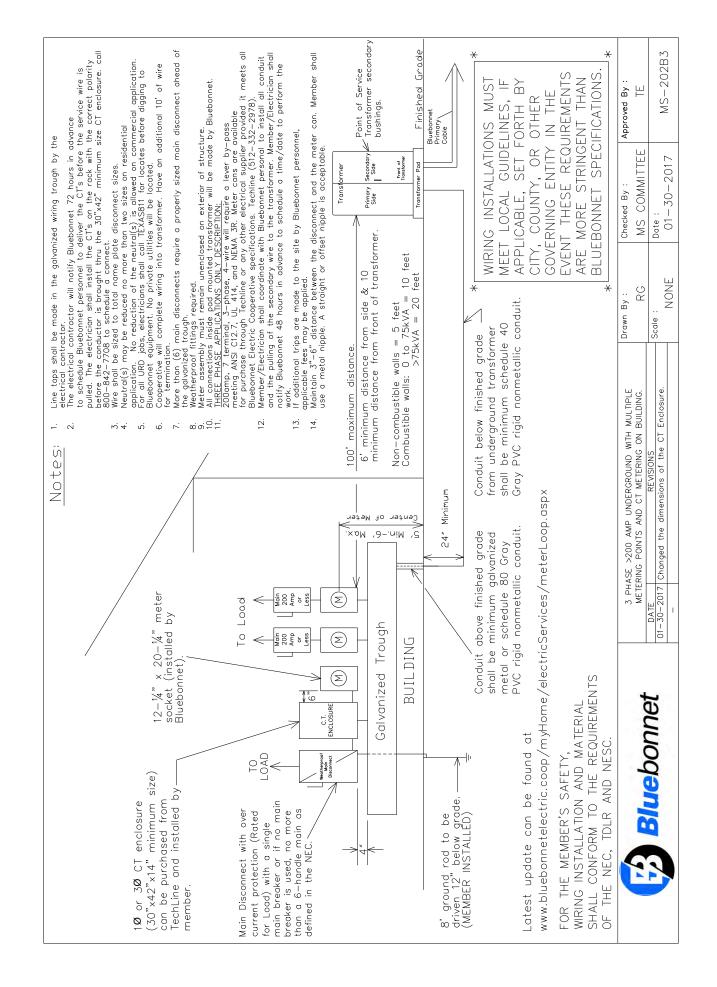
NONE

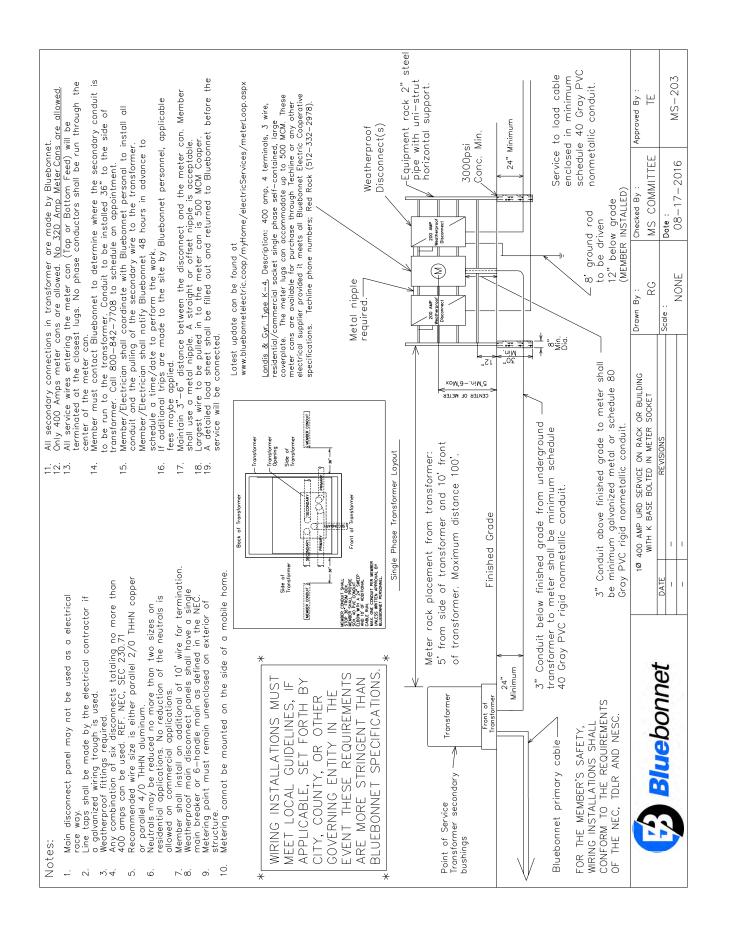
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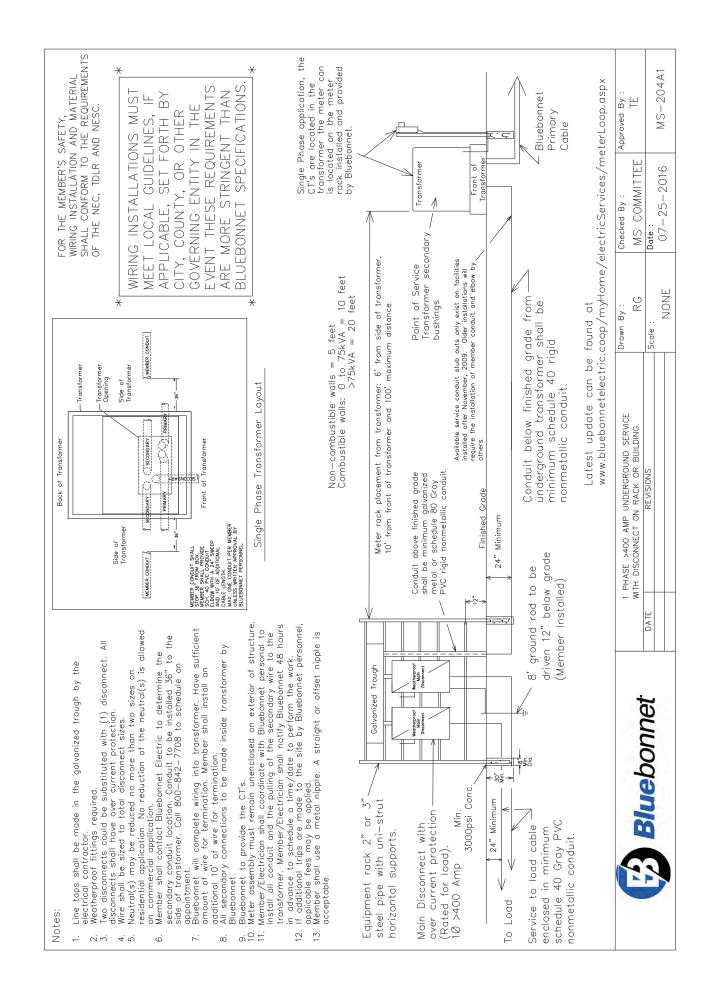


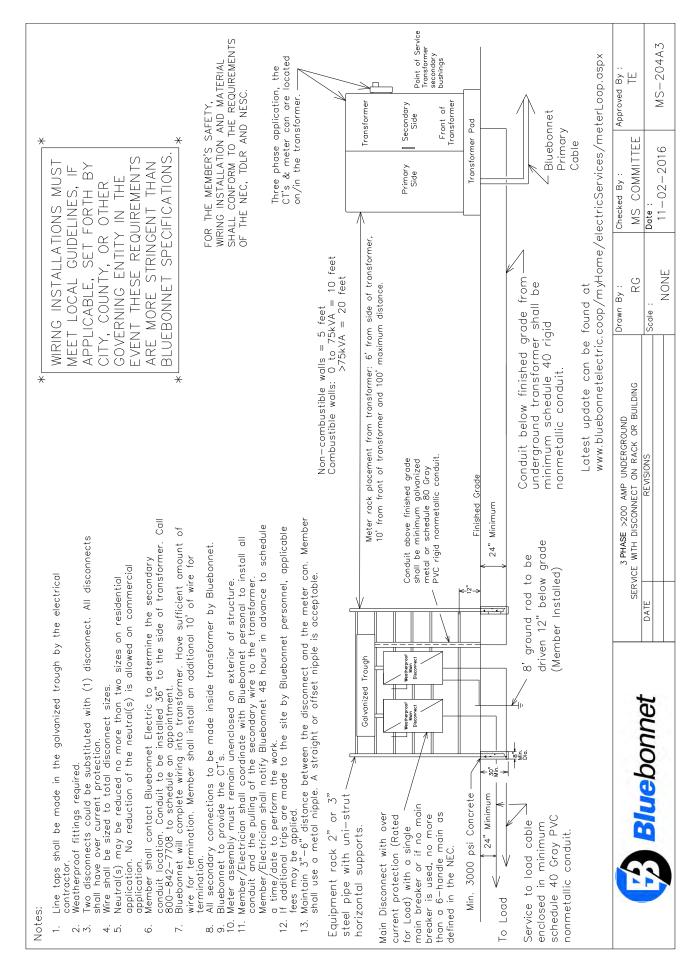


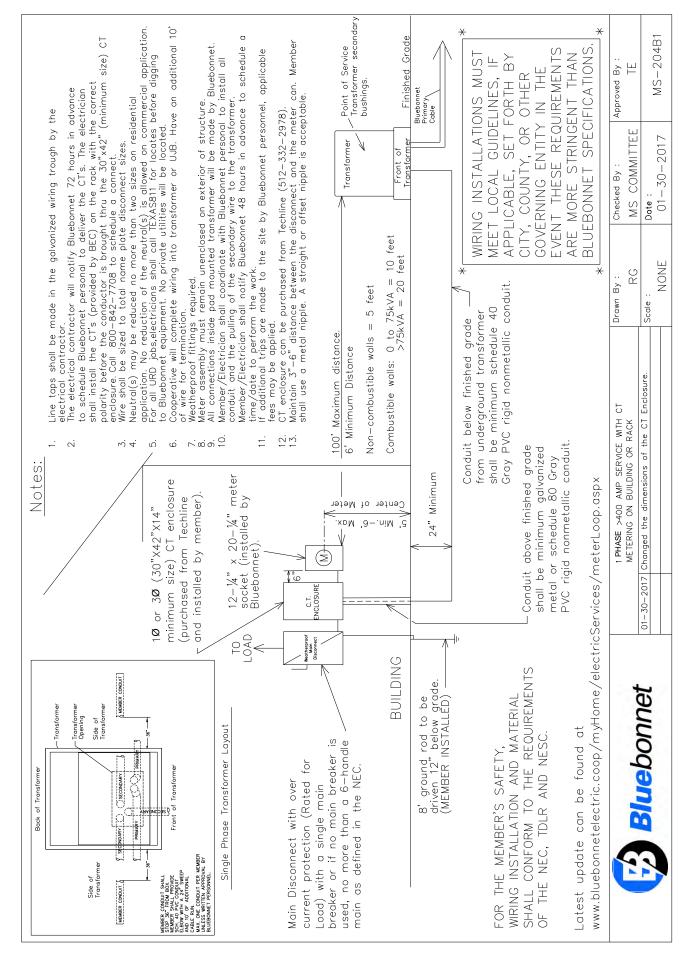


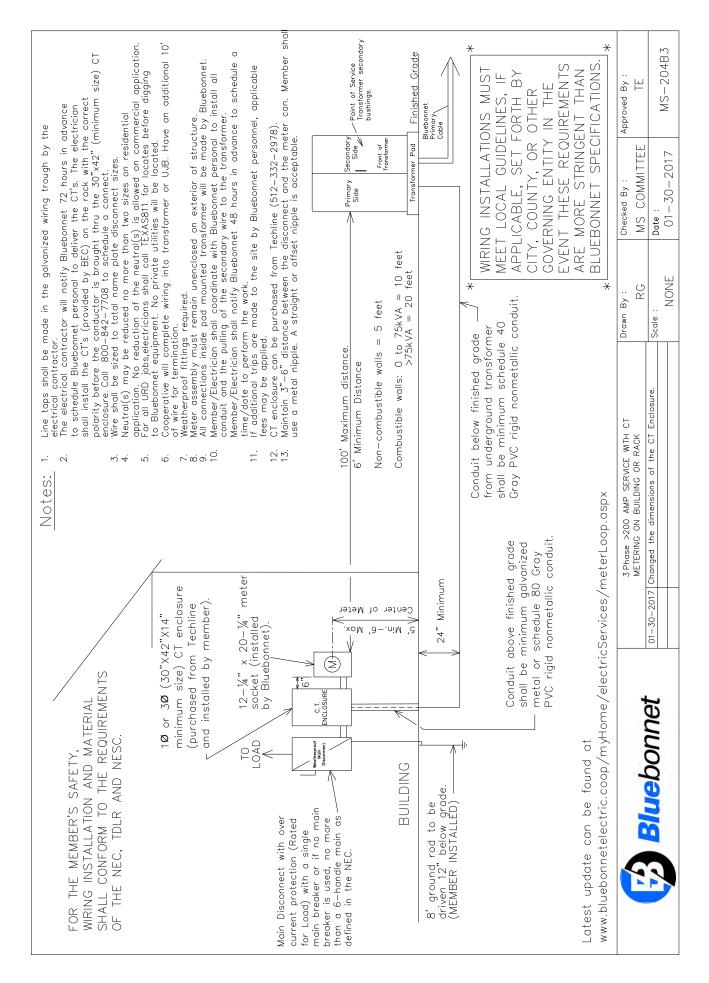


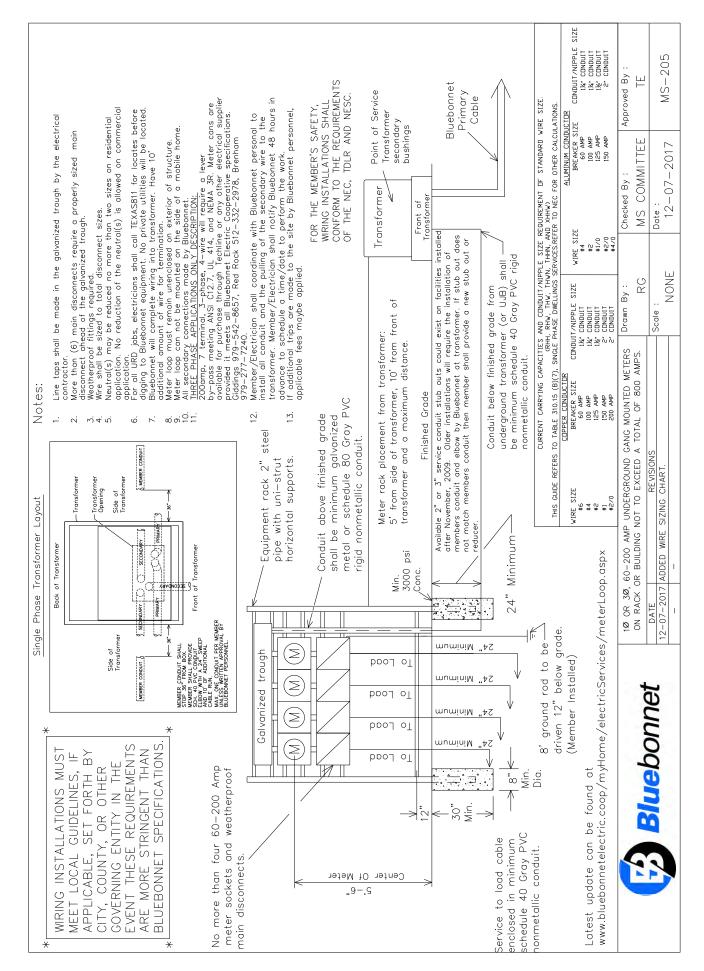


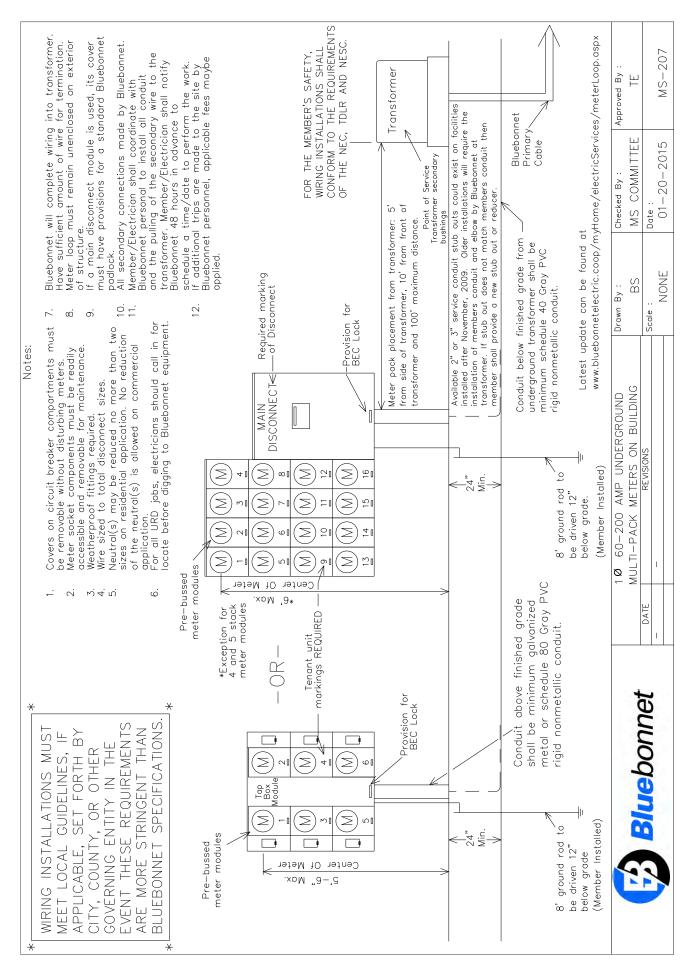


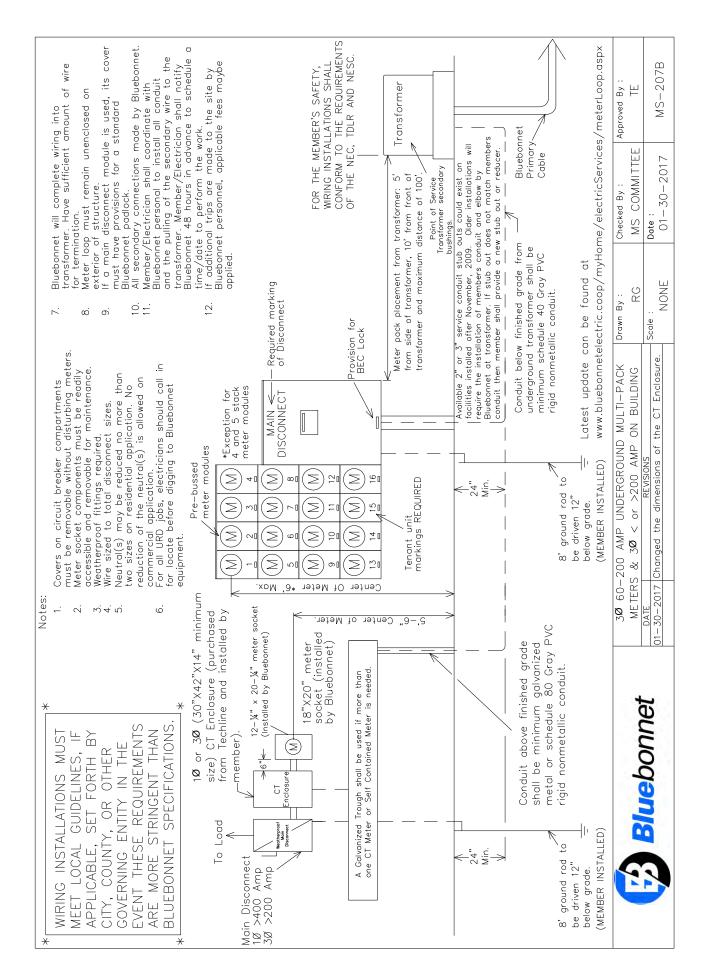


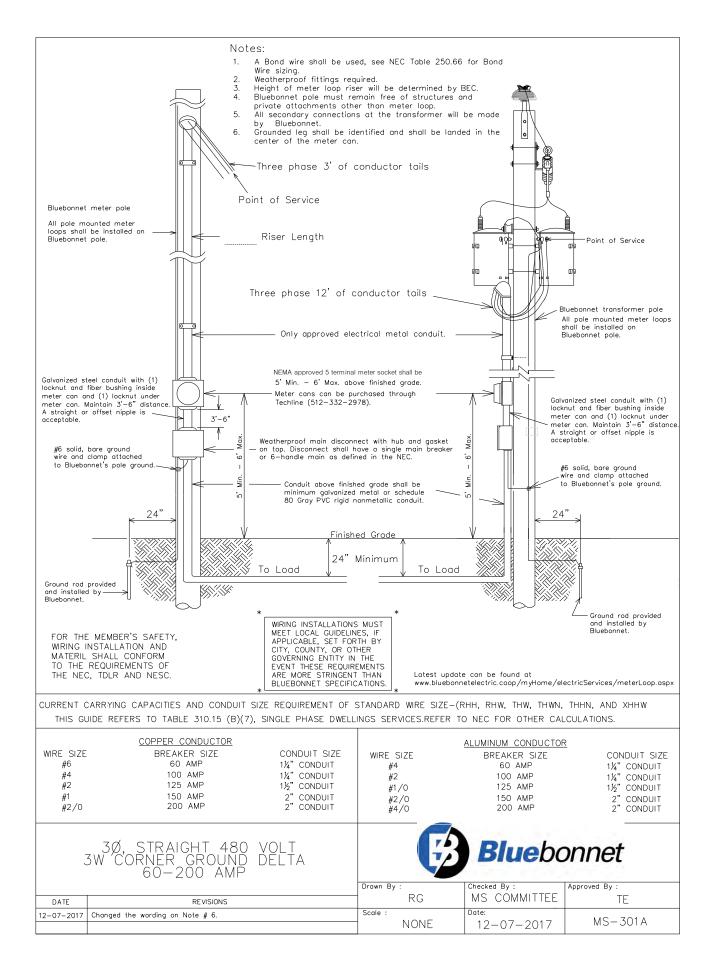


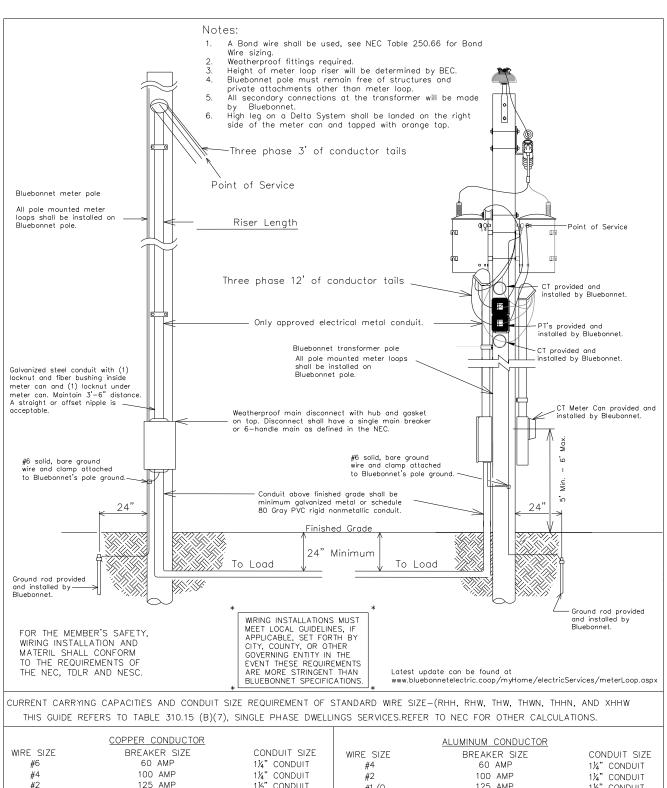












WIRE SIZ #6 #4 #2 #1 #2/0	60 AMP 100 AMP 125 AMP 150 AMP	CONDUIT SIZE 1¼" CONDUIT 1¼" CONDUIT 1½" CONDUIT 2" CONDUIT 2" CONDUIT	WIRE SIZE #4 #2 #1/0 #2/0 #4/0	ALUMINUM CONDUCTOR BREAKER SIZE 60 AMP 100 AMP 125 AMP 150 AMP 200 AMP	CONDUIT SIZE 1¼" CONDUIT 1¼" CONDUIT 1½" CONDUIT 2" CONDUIT 2" CONDUIT 2" CONDUIT
3 F COF	PHASE, STRAIGHT 480 RNER GROUND DELTA	VOLT 3W >200 AMP	<b>Blue</b> bonnet		
			Drawn By :	Checked By :	Approved By :
DATE	REVISIONS		RG	MS COMMITTEE	TE
-	-		Scale : NONE	Date: 06-20-2016	MS-301B

