A. **General Notes:**

- Meter socket, load conductors, conduit straps, lock nuts, weather heads, service drop attachments, bushings, connectors, and miscellaneous mounting hardware SHALL be furnished and installed but the customer’s contractor.
- Meter pans SHALL be UL listed, rated for the proper amperes and configuration (200 or 320 amperes, single or three phase), and designed for Overhead use.
- When voltage above 120/208-240 VAC is required a disconnect switch SHALL be placed before the meter socket.
- Conduit SHALL be 2½” rigid metal.
- 8’ x 5/8” driven ground rod supplied by the customer’s appointed contractor. *
- Placement of the meter pan SHALL be 3’ from the front corner of the structure with accessibility to the equipment and unobstructed working space adjacent to the meter equipment. Right or left corner will be dictated by service location.
- Placement of a meter socket in an alley way or areas where meter is subject to damage SHALL be prohibited.

B. **Mounting Instructions:**

- Meter socket and conduit SHALL be surface mounted **without** brick or other exterior veneers encasing the equipment.
- Meter sockets and conduit straps SHALL be fastened to building using appropriate hardware. A minimum of 4 fasteners shall be used to mount socket.
- Conduit SHALL be fastened 6” above meter socket and every 18” thereafter. Conduit straps SHALL have two mounting holes.
- Meter socket should be a minimum 5’-6” and a maximum 6’-0” above final grade. *

*SEE DRAWING NEXT PAGE*
Rigid steel conduit furnished and installed by customer.

Meter socket hub available 2-1/2 inch

Line side

24-0615 socket customer furnished

Grounding connector

Minimum #6 copper ground wire

Connector or bushing

Distribution Specifications

Subject: Single phase, 3 wire overhead service
Detail: 200 AMP

Date: 10/18/10
3-Phase 4-Wire Self-Contained Meter Box

3-PHASE 4-WIRE DELTA OR WYE
120/240V OR 120/208V METER BOX

3-PHASE, 4-WIRE DELTA 120/240 VOLT, 120/208 VOLT
METERING 200 AMPERES OR LESS

UL LISTED

IDENTIFY WITH ORANGE TAPE
IF 3-PHASE, 4-WIRE DELTA
120/240V (WILDCAT* LEG)
RIGHT SIDE OF METER SOCKET

BY-PASS HANDLE

ANTIOXIDANT
COMPOUND

DIMENSIONS: 10"W x 13"H x 5"D

5'6" to 6'

LOAD

CONTINUOUS COPPER
GROUNDING ELECTRODE
CONDUCTOR MINIMUM 4 AWG

FINAL GRADE

DISTRIBUTION SPECIFICATIONS

SUBJECT 3-Phase 4-Wire Self-Contained Meter Box

DATE 10/18/10

PAGE 8 OF 15

FILE
Three-Phase and Metering Transformers
3-Phase 4-Wire WYE 480/277v Self-Contained Meter Box

3-PHASE 4-WIRE WYE
277/480V METER BOX

3-PHASE 4-WIRE
480V WYE/277 VOLT
METERING
200 AMPERES OR LESS

CUSTOMER MUST SUPPLY AND
INSTALL A LINE SIDE BLADED
DISCONNECT FOR 3-PHASE 4-WIRE
480V WYE/277 VOLT AND
3 PHASE 3 WIRE 480 VOLT DELTA
METERING 200 AMPERES OR LESS

NEUTRAL STUD

BY-PASS HANDLE

ANTIOXIDANT
COMPOUND

LINE

LOAD

FINAL GRADE

CONTINUOUS COPPER
GROUNDING ELECTRODE
CONDUCTOR

MINIMUM #4 AWG

DIMENSIONS: 19"H x 13"W x 5"D

DISTRIBUTION SPECIFICATIONS

SUBJECT: Three-Phase and Metering Transformers

DETAIL

Date: 10/18/19
Page: 7 of 15
File
A. **General Notes:**

- Meter socket, conduit (min. 3"), wire, straps, lock nuts, bushings, connectors, and miscellaneous mounting hardware **SHALL** be provided and installed by the customer's contractor.

- Secondary connection to TPCG facilities **SHALL** be the responsibility of the Customers contractor. TPCG will de-energize and provide a safe work environment for the contractor to complete his connections.

- If commercial service is above 400 amperes, it will require an Instrument rated meter package to be provided by TPCG. Meter socket, instruments, and instrument wire will be provided by TPCG for contractor to mount on commercial structure. CT cabinet **SHALL** be supplied by the customer's contractor and mounted next to the disconnect and below the meter socket. Once mounted, contact our engineering technician at (985)873-6763 to complete installation.

- Should it be determined the CT’s will mount in the transformer, a CT cabinet will not be required. A meter socket stand **SHALL** be erected by the customer's contractor. *see drawing next pages for details.

- Transformer slab and metering details are on the next pages.

- Please fill out an appropriate service request** to ensure the timely connection of your service. Service request can be dropped off at 301 Plant Road, faxed to (985) 873- 6770, or emailed to rbsavoie@tpcg.org (attn. Robert Savoie). Also, any drawings or sketches needed for electrical service can be sent along with request.

  **Electric Distribution Customer Load Data Form**
NOTE: POLARITY MARKS MUST FACE T.P.C.G. SOURCE

CT POLARITY MARKS (H1-WHITE DOT) SHALL LINE UP ON SAME SIDE FACING SOURCE

WEATHERHEAD
MAST-RIGID PIPE

36"X36"X12" CT ENCLOSURE (MIN.)

METER PAN

1" NIPPLE

WEATHERHEAD MAST

CT POLARITY MARKS

1" WEATHERHEAD
1" CONDUIT

CUSTOMER DISCONNECT

NOTE: CTS AND METER PAN WITH CONDUIT SHALL BE INSTALLED BY CUSTOMER

TPCG CONTACT: DELISHA HOLMES 873-6763 OR GREG LEWIS 873-6783

CT ENCLOSURE INSTALLATION DETAILS

REV. 09/08/10 S5 BY: JACK GARDNER
A. General Notes:
- Meter socket, load conductors, conduit straps, lock nuts, bushings, connectors, and miscellaneous mounting hardware SHALL be furnished and installed by the customer’s contractor.
- Meter pans SHALL be UL listed, rated for the proper amperes and configuration (200 or 320 ampere, single or three phase), and designed for underground use.
- When voltage above 120/208/240 VAC is required a disconnect switch SHALL be placed before the meter socket.
- Conduit SHALL be 2 ½” PVC schedule 80 with 36” long radius 90-degree elbow. *
- 8’ x 5/8” driven ground rod supplied by the customer’s contractor. *
- Placement of the meter pan SHALL be 3’ from the front corner of the structure with accessibility to the equipment and unobstructed working space adjacent to the meter equipment. Right or Left corner will be dictated by service location (TPCG transformer or pedestal).
- Placement of a meter socket in an alleyway or areas where meter is subject to damage SHALL be prohibited.

B. Trench Instructions:
- Underground trench SHALL be a minimum of 6” wide and 30” deep. *
- Trench must remain uncovered until TPCG pulls in service wire.
- 2 ½” PVC will be provided by TPCG and installed by the customer’s contractor. Call (985) 873-6750 and request the amount of pipe needed. If the trench is ready when pipe is delivered TPCG will lay pipe and pull in wire at that time if requested.
- Customer’s trench SHALL be within 24” of TPCG facilities. When a feed is coming in from a transformer, the trench shall be dug to the right of the front corner of that transformer.
- Any trench 100’ SHALL have a pull string provided by customer.
- Conduit ends SHALL have the proper bushings to ensure conductor protection.

C. Mounting Instructions:
- Meter socket and conduit SHALL be surface mounted without brick or other exterior veneers encasing the equipment.
- Meter sockets and conduit SHALL be fastened to building using appropriate hardware. A minimum of 4 fasteners SHALL be used to mount socket.
- Conduit SHALL be fastened 12” below meter socket and 6” above final grade minimum. Conduits straps SHALL have two mounting holes.
- Meter socket should be a minimum 5’-6” and a maximum 6’-0” above final grade. *

*SEE DRAWING NEXT PAGE
1. CUSTOMER TO PROVIDE TRENCH.

2. WHEN CONNECTING TO TRANSFORMER TRENCH MUST COME TO RIGHT FRONT CORNER.
RISER DETAIL

METER PAN (MUST BE FOR UNDERGROUND USE)

CUSTOMER TO UTILIZE LEFT OR RIGHT OF CENTER KNOCKOUT FOR RISER INSTALLATION.

GROUND TO BE INSTALLED OPPOSITE SIDE FROM RISER

2 1/2" RISER & BEND INSTALLED & SUPPLIED BY CUSTOMER (RIGID / INTERMEDIATE STEEL, ALUMINUM, OR SCHEDULE 80 PVC. CONDUIT)

STANDARD 36", 90° LONG RADIUS ELBOW

8' X 5/8" DRIVEN GROUND ROD SUPPLIED BY CUSTOMER

CUSTOMER TRENCH PROVIDING TRANSITION POINT MUST BE MIN. OF 12" WIDE X 24" LONG.

TRENCH DETAIL

EXISTING GROUND NOT FINISH GROUND

6" MIN.

TRENCH SUPPLIED BY CUSTOMER (TO BE LEFT UNCOVERED UNTIL WIRE IS PULLED IN BY T.P.C.G.)

2 1/2" PVC CONDUIT AND CABLE SUPPLIED BY T.P.C.G. AND INSTALLED BY CUSTOMER'S CONTRACTOR.