

15.1 RESIDENTIAL OVERHEAD INSTALLATION

A. GENERAL NOTES

1. SERVICE DROP AND METER PROVIDED AND INSTALLED BY COMPANY.
2. METER SOCKET PROVIDED (NORMALLY) BY COMPANY, AND INSTALLED BY CUSTOMER.
3. CLEARANCES MUST BE PROVIDED AS SHOWN BELOW.
4. METER SOCKET SHOULD BE "READILY ACCESSIBLE" (SEE DEFINITIONS SECTION 2) AND ALLOW WORKSPACE AS ILLUSTRATED BELOW.
5. REFER TO SECTION 15.8 FOR REQUIREMENTS REGARDING CUSTOMER OWNED SOCKETS.

B. MOUNTING OF METER SOCKET

6. UNIT SHALL BE SURFACE MOUNTED, WITH CENTER OF UNIT BETWEEN 2'-6" AND 5'-6" ABOVE FINAL GRADE, IN A LEVEL AND PLUMB POSITION.
7. UNIT SHALL BE FASTENED TO BUILDING SECURELY USING METAL ANCHORS (FOR BRICK AND CONCRETE), TOGGLE BOLTS (FOR WOOD SIDING) OR WOOD SCREWS (FOR 2"x4" STUDS, LOG WALLS, OR OTHER SOLID LUMBER). ALL SCREWS OR BOLTS SHALL BE 1/4" DIAMETER (MIN.) STAINLESS STEEL. NOT LESS THAN FOUR FASTENERS SHALL BE USED TO MOUNT SOCKET.

C. SERVICE DROP ATTACHMENT

8. DEVICE FOR ATTACHING SERVICE DROP TO BUILDING SHALL BE FURNISHED BY COMPANY AND INSTALLED SECURELY BY CUSTOMER AT THE VERTICAL CLEARANCE AS SHOWN BELOW.
9. IF VERTICAL CLEARANCE CANNOT BE MAINTAINED WITH THE INSTALLATION OF AN ATTACHMENT BOLT AS SHOWN BELOW, THE CUSTOMER SHALL INSTALL A STEEL SERVICE MAST. (SEE SECTION 15.2)
10. CONNECTIONS BETWEEN SERVICE DROP AND SERVICE ENTRANCE CONDUCTORS SHALL BE MADE (BY COMPANY PERSONNEL) BELOW WEATHERHEAD, FORMING A DRIP LOOP.

D. CONNECTIONS

11. REFER TO SECTIONS 15.4 THRU 15.25 FOR METER SOCKET CONNECTION INSTRUCTIONS.
12. NEUTRAL CONNECTORS SHALL BE PARALLEL GROOVE SQUEEZ-ON'S ONLY.

E. BASIC CLEARANCES ABOVE FINAL GRADE

13. SERVICE DROPS (INCLUDES DRIP LOOPS) NOT LESS THAN

- 12' - ABOVE SPACES AND WAYS SUBJECT TO PEDESTRIAN OR RESTRICTED TRAFFIC ONLY.
- 15' - ABOVE DRIVEWAYS, PARKING LOTS, AND ALLEYS NOT SUBJECT TO TRUCK TRAFFIC.
- 16' - ABOVE DRIVEWAYS, PARKING LOTS, AND ALLEYS SUBJECT TO TRUCK TRAFFIC.

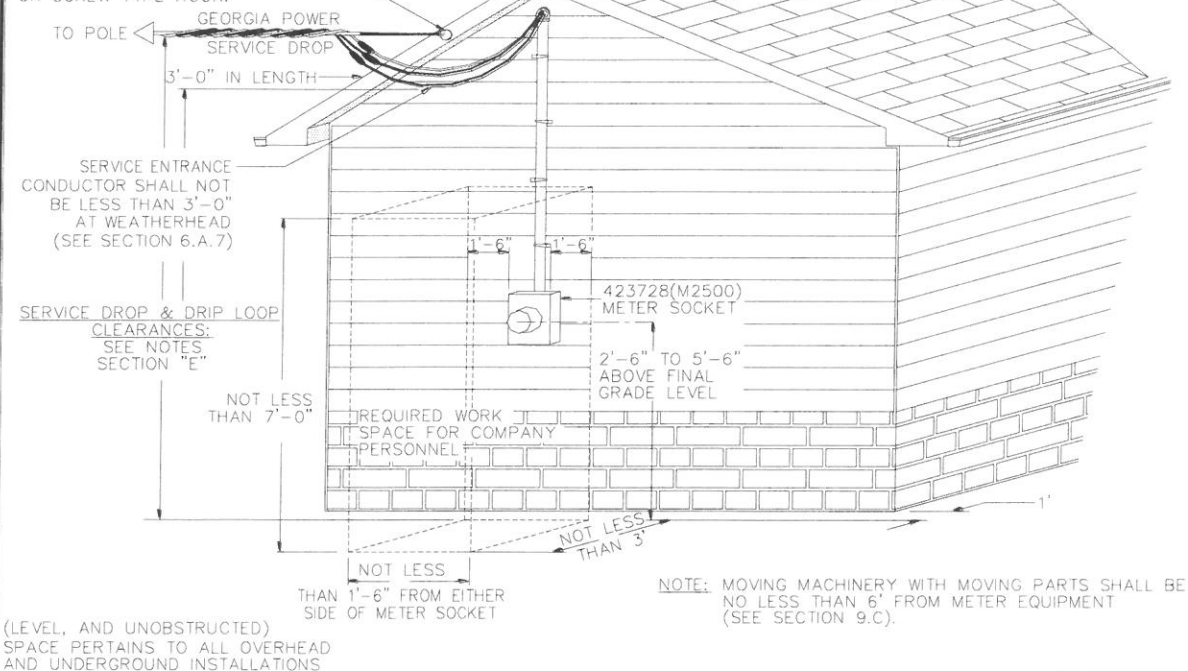
NOTE: WHERE THE HEIGHT OF A BUILDING EVEN WITH A MAST DOES NOT PERMIT THE ABOVE VALUES TO BE MET, THE CLEARANCE OVER RESIDENTIAL DRIVEWAYS ONLY FOR MULTIPLEX CABLES LIMITED TO 150V TO GROUND MAY BE REDUCED AS FOLLOWS: SERVICE DROP - 12.0' DRIP LOOP - 10.0'

- F. THE POINT OF SERVICE ATTACHMENT AT THE BUILDING OR STRUCTURE SHOULD BE NOT MORE THAN 25' ABOVE FINAL GRADE LEVEL UNLESS NECESSARY TO PROVIDE PROPER CLEARANCES.

- G. SERVICE DROP CONDUCTOR INCLUDING DRIP LOOPS SHALL BE NO LESS THAN 3' IN ANY DIRECTION FROM WINDOWS, DOORS, PORCHES, OR SIMILAR LOCATION.

NOTE: THE POINT OF ATTACHMENT AND OR THE POINT OF CONNECTION FOR SERVICE CONDUCTORS SHALL NOT BE LESS THAN 8' ABOVE ANY WINDOW.

EYE BOLT 111016 (B4500) THROUGH 412733 (B4780) OR TOGGLE BOLT 14" 430715 (B6820) OR 24" 430716 (B6840). CUSTOMER SHOULD EXTEND BOLT THROUGH FACIA TO ROOF JOIST, RAFTER, OR SOLID LUMBER AND FASTEN SECURELY. DO NOT USE THREAD THRU INSULATOR OR SCREW TYPE HOOK.



RESIDENTIAL OVERHEAD INSTALLATION

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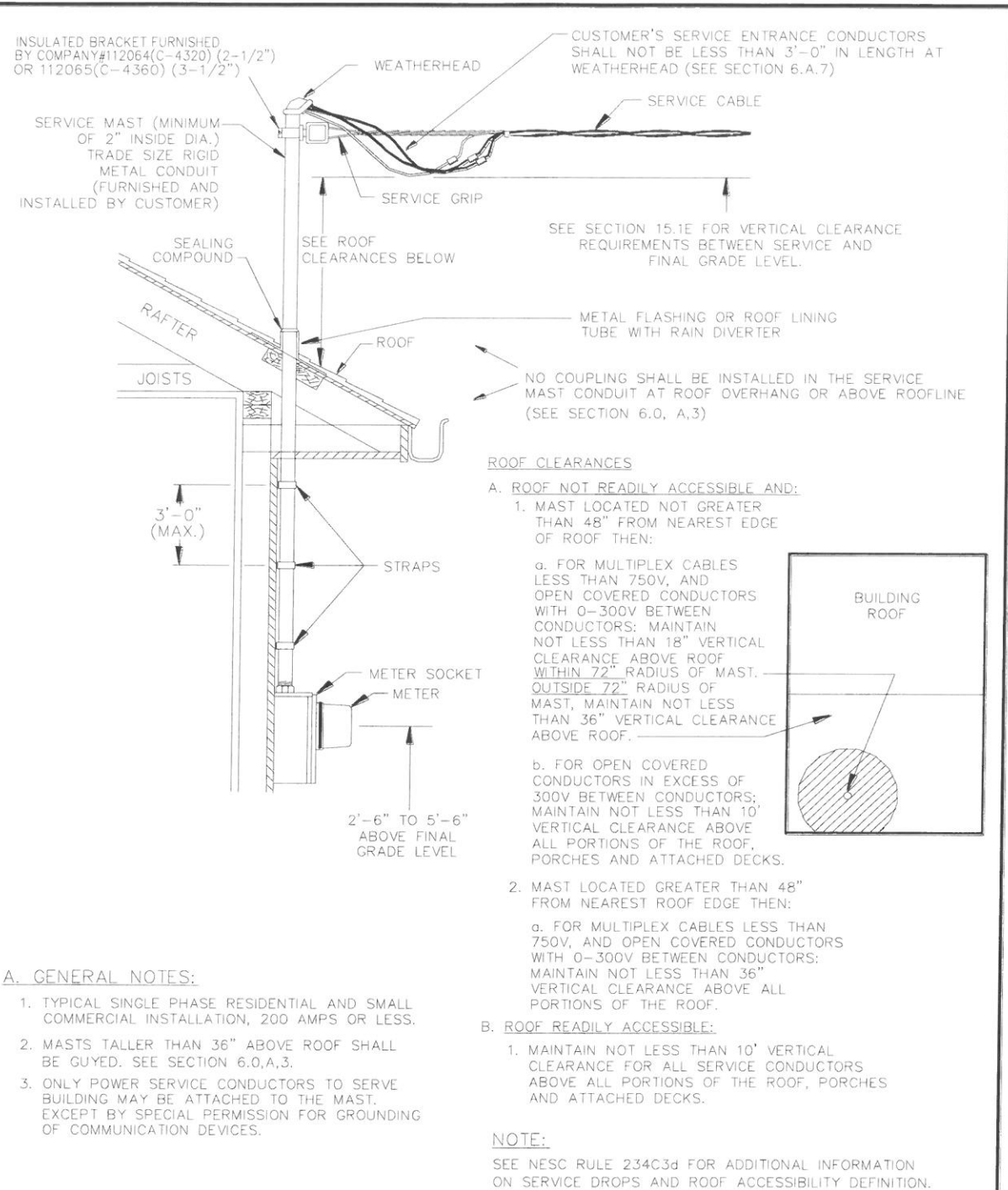
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GEORGIA POWER COMPANY

SECTION 15.1

15.2 RIGID METAL SERVICE MAST INSTALLATION AND ROOF CLEARANCES



RIGID METAL SERVICE MAST INSTALLATION AND ROOF CLEARANCES

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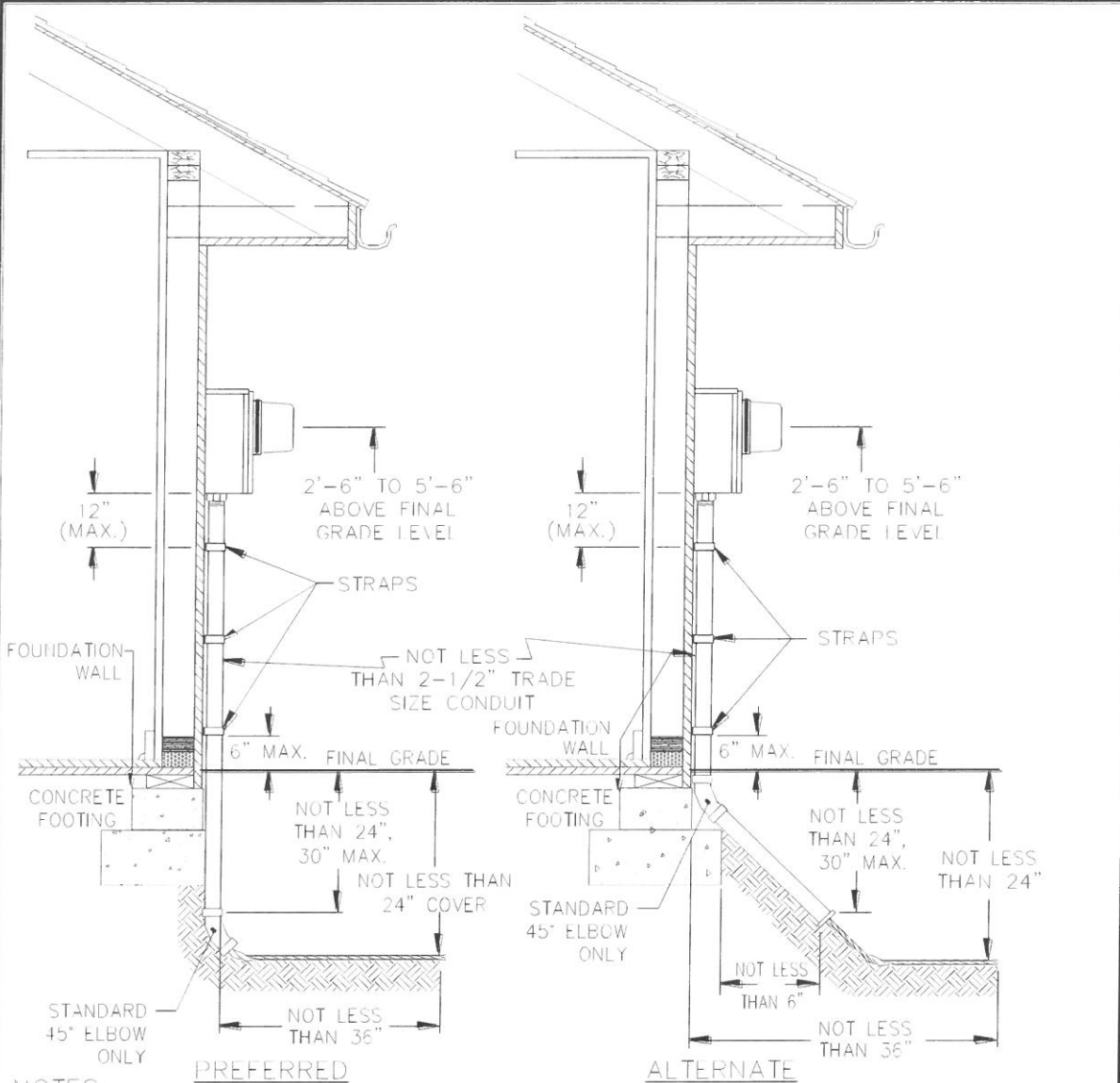
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SECTION 15.2

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Page 33

15.3 RESIDENTIAL UNDERGROUND INSTALLATION



NOTES:

1. CROSSHATCHED AREA DENOTES UNDISTURBED OR RE-COMPACTED SOIL DIRECTLY BENEATH CABLE (EXTENDING 36\"
2. 2-1/2\"
3. IF THE CUSTOMER INTENDS TO PLACE A CONCRETE OR ASPHALT DRIVE BETWEEN THE METER AND SUPPLY TRANSFORMER HE SHALL INSTALL A 2.5\"

RESIDENTIAL UNDERGROUND INSTALLATION

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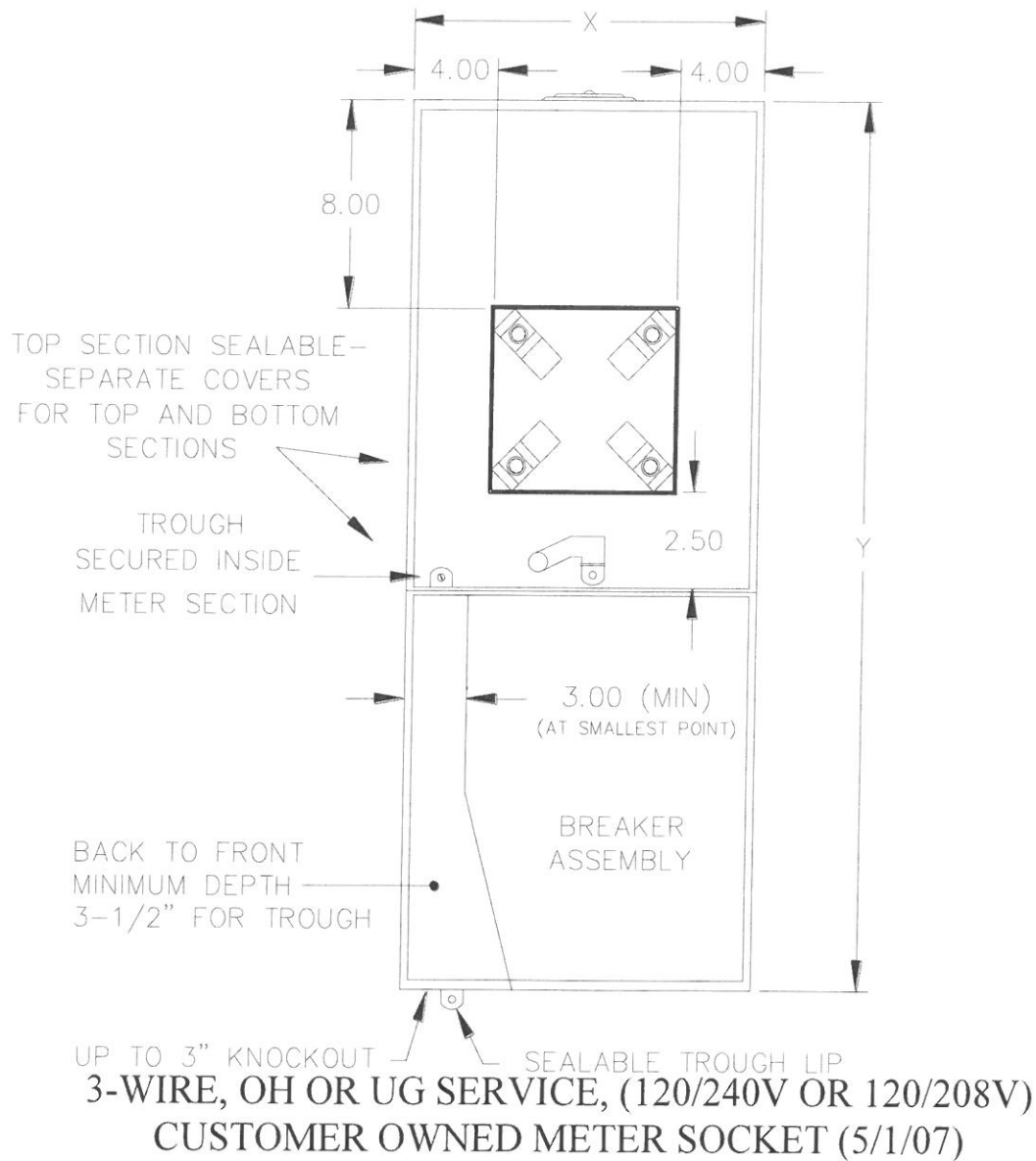
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GEORGIA POWER COMPANY
 SECTION 15.3

15.8.1 3-WIRE, CUSTOMER SOCKET OVER/UNDER CONSTRUCTION REQUIREMENTS

CUSTOMER OWNED SOCKET MINIMUM SPACING REQUIREMENTS FOR OVER/UNDER CONSTRUCTION



- *5TH TERMINAL REQUIRED IF USED ON 3W 120/208V SERVICE
- * BYPASS DEVICE REQUIRED FOR COMMERCIAL SERVICE
- *The size requirements shown do not apply to sockets or socket/breaker units designed for use on temporary service installations.

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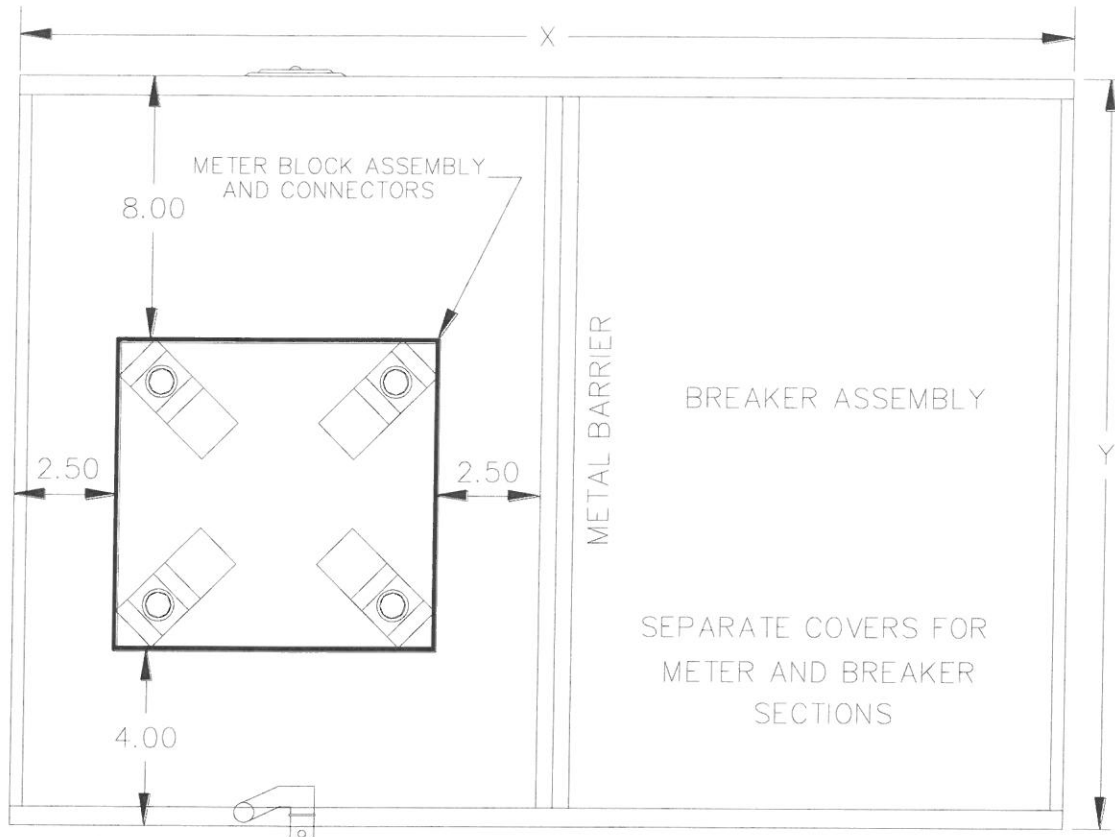
REVISIONS 9/19/06, 6/8/11

GEORGIA POWER COMPANY

SECTION 15.8.1

15.8.2 3-WIRE, CUSTOMER SOCKET SIDE BY SIDE CONSTRUCTION REQUIREMENTS

CUSTOMER OWNED METER SOCKET SPACING REQUIREMENTS (SIDE BY SIDE CONSTRUCTION) 3-WIRE, OH/UG SERVICE (120/240V OR 120/208V)



Note* If the socket is used for U. G. service and is built with no obstruction to full depth on either side of block assembly area, (see bold square in drawing), min 2.50" clearance to each side is acceptable (as shown) provided 3" of unobstructed depth is also made available at both sides of socket blocks for line side conductors. ** If line side conductors can only be trained to one side of socket, side to block clearance must be 4" with 3" unobstructed depth at that side, and 2.50" block clearance to other side. Socket must accept 3" conduit at bottom. Bypass horns are not acceptable. Unit shall have 5th terminal if used on 120/208 3 wire service. Socket shall have bypass device if for commercial use. Effective date for these requirements was 5/1/07. These size requirements do not apply to sockets or socket/breaker units used for temporary service.

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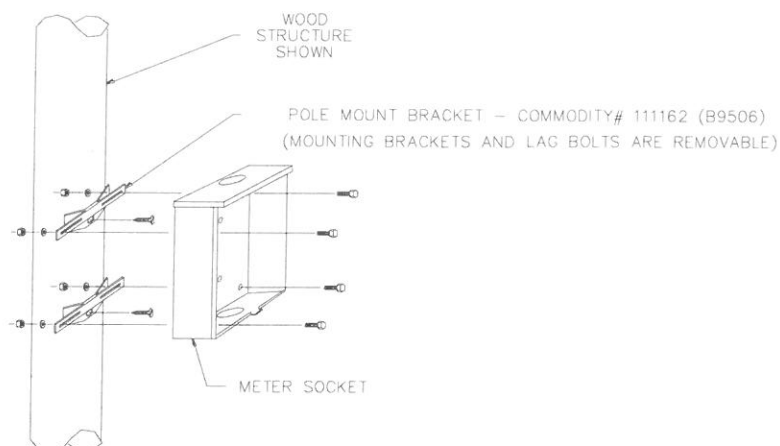
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GEORGIA POWER COMPANY

SECTION 15.8.2

15.20 OH SERVICE, TYPICAL TEMPORARY INSTALLATION

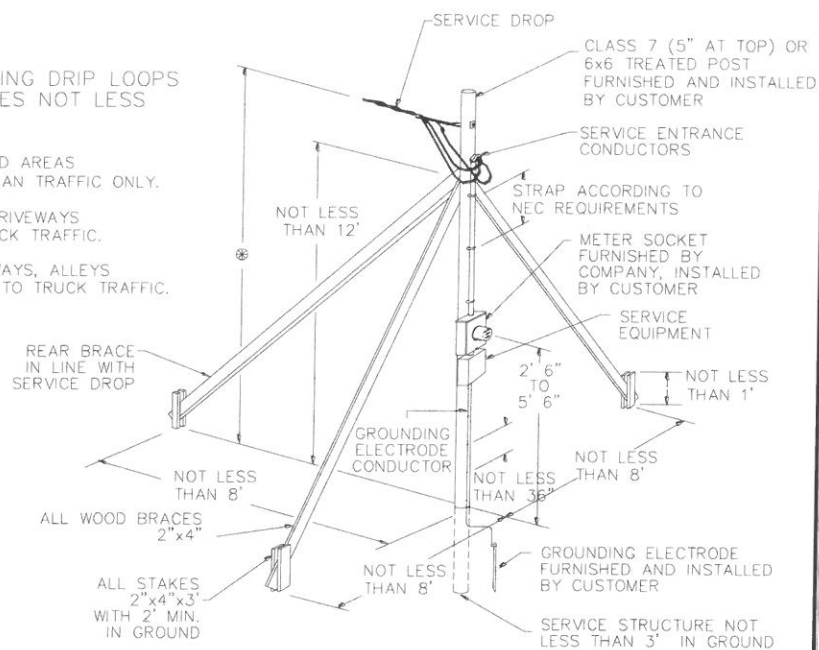


* SERVICE DROPS INCLUDING DRIP LOOPS SHALL HAVE CLEARANCES NOT LESS THAN THE FOLLOWING:

12 FT. - ABOVE SIDEWALKS AND AREAS SUBJECT TO PEDESTRIAN TRAFFIC ONLY.

15 FT. - ABOVE RESIDENTIAL DRIVEWAYS NOT SUBJECT TO TRUCK TRAFFIC.

16 FT. - ABOVE PUBLIC DRIVEWAYS, ALLEYS AND ROADS SUBJECT TO TRUCK TRAFFIC.



NOTES:

1. TO OBTAIN SERVICE ACROSS A HIGHWAY, CONTACT A QUALIFIED EMPLOYEE.

2. CUSTOMER SHALL FURNISH, INSTALL AND MAINTAIN:

A. TREATED WOOD RATED FOR IN GROUND USE SHALL BE USED FOR POLE [CLASS 7 (5" AT TOP) OR 6x6 POST], BRACES AND STAKES.

B. SERVICE ENTRANCE CONDUCTORS AND CONDUIT WHERE REQUIRED.

C. SERVICE EQUIPMENT.

D. GROUNDING ELECTRODE WITH NOT LESS THAN NO.6 COPPER GROUNDING ELECTRODE CONDUCTOR.

3. A FIFTH LUG OR GROUND LUG MUST BE FURNISHED AND INSTALLED BY CUSTOMER FOR NETWORK ON WYE SERVICES.

OH SERVICE, TYPICAL TEMPORARY INSTALLATION

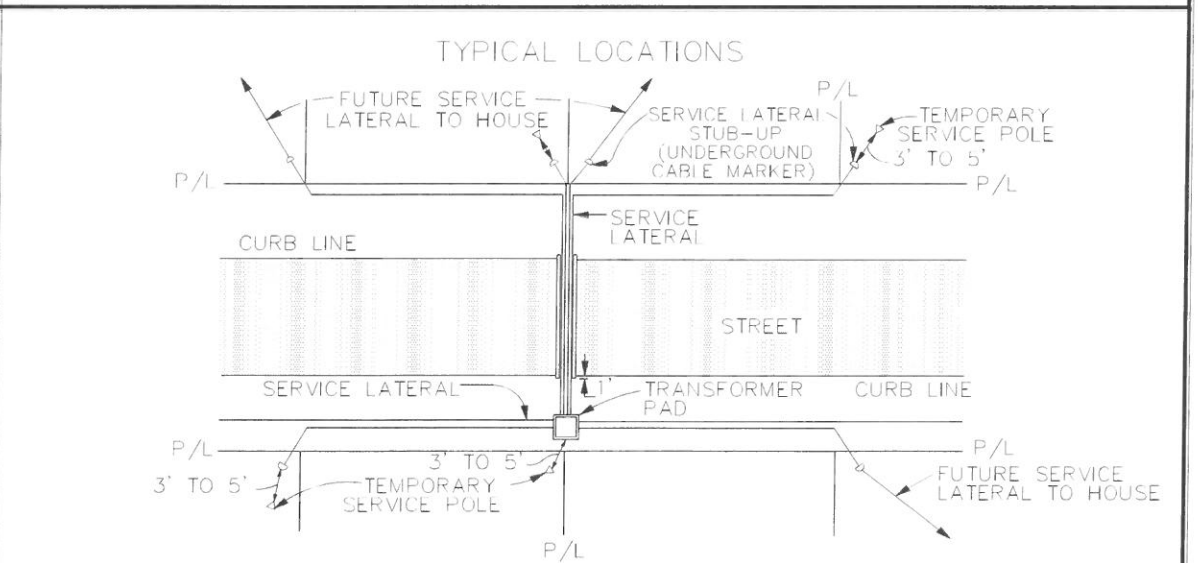
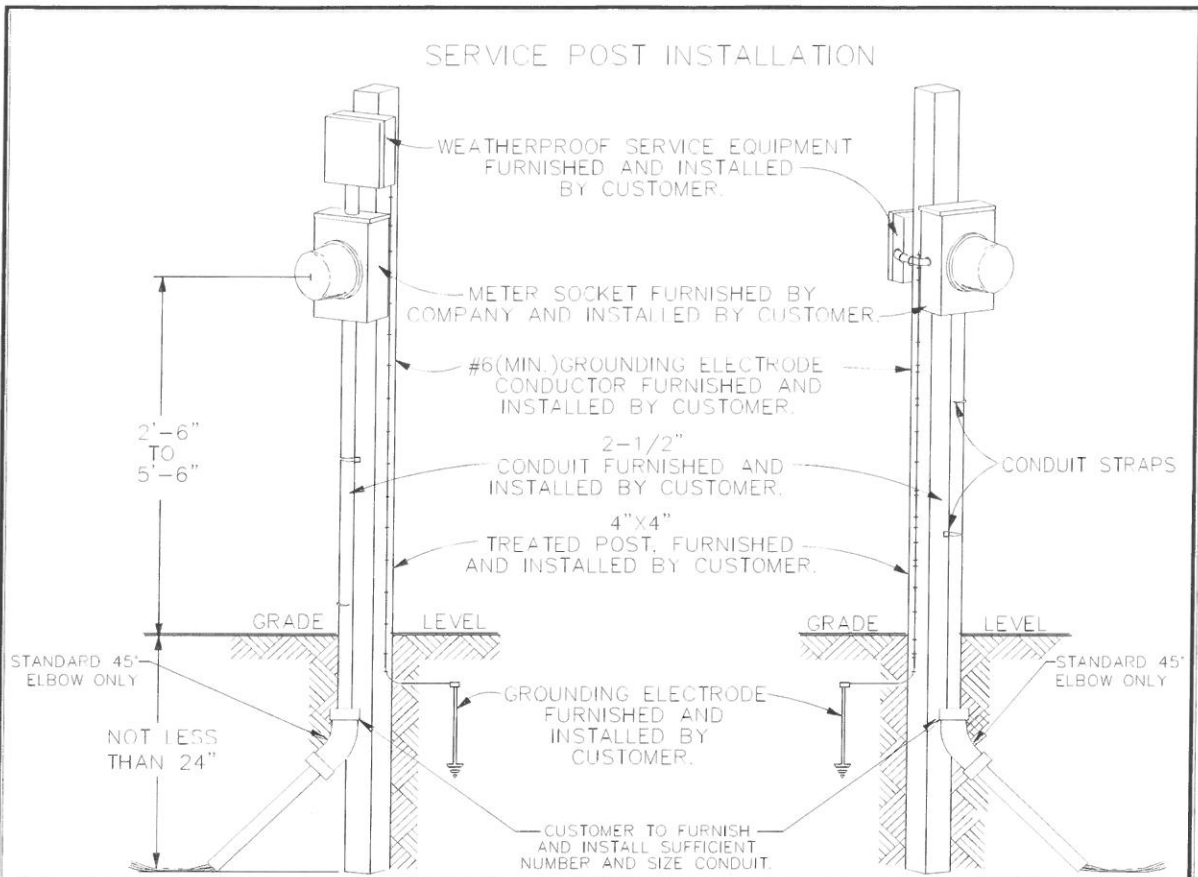
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GEORGIA POWER COMPANY
 SECTION 15.20

15.21 UG SERVICE, TEMPORARY INSTALLATION

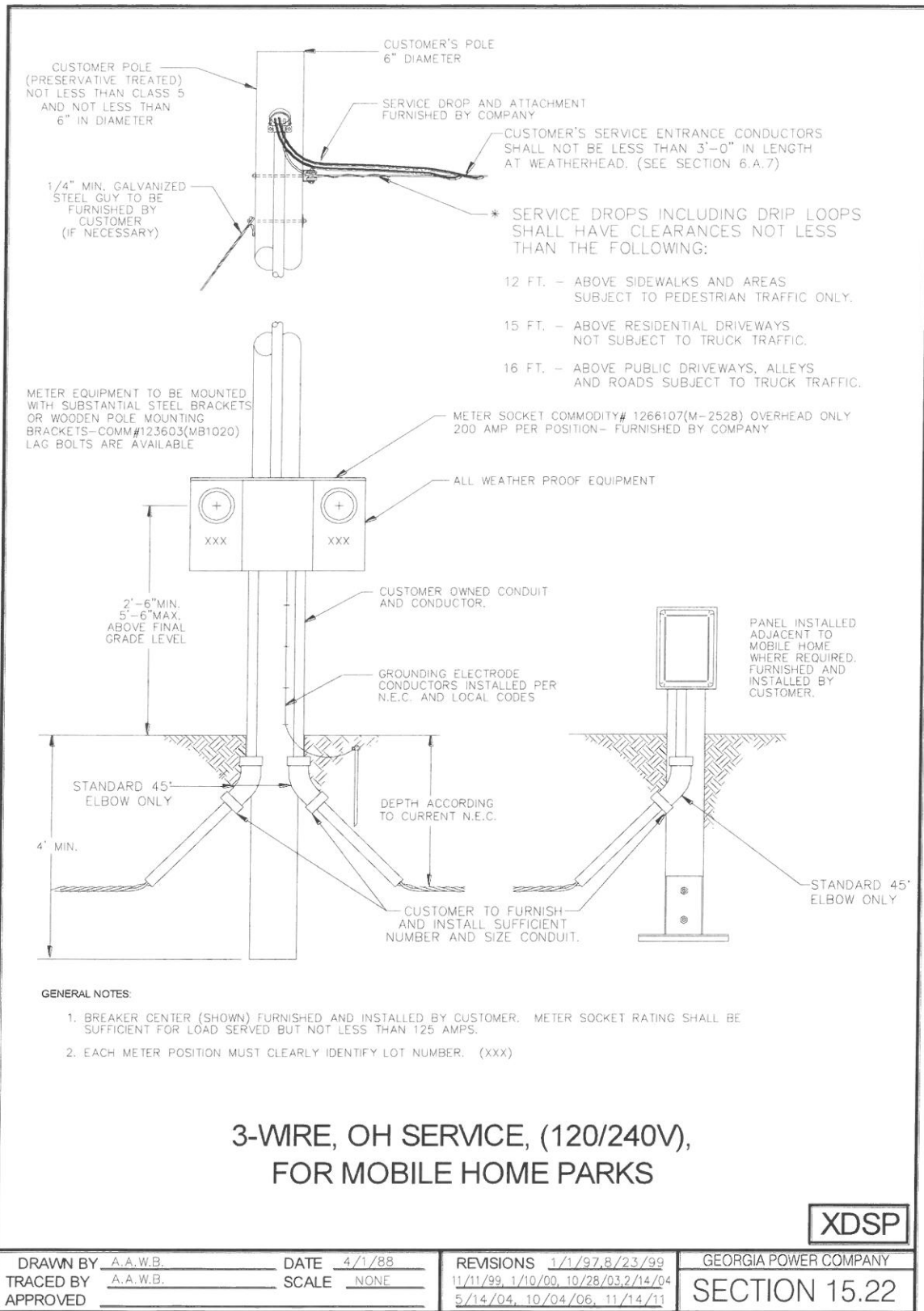


UG SERVICE, TEMPORARY INSTALLATION

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APPROVED:			SECTION 15.21

15.22 3-WIRE, OH SERVICE, (120/240V), FOR MOBILE HOME PARKS



CUSTOMER POLE
(PRESSURE TREATED)
NOT LESS THAN CLASS 5 AND
NOT LESS THAN 6" IN DIAMETER
1/4" MIN. GALVANIZED
STEEL GUY TO BE
FURNISHED BY CUSTOMER
IF NECESSARY.

SERVICE DROP AND ATTACHMENT
FURNISHED BY COMPANY

CUSTOMER'S SERVICE ENTRANCE CONDUCTORS
SHALL NOT BE LESS THAN 3'-0" IN LENGTH
AT WEATHERHEAD. (SECTION 6.A.7)

12' - ABOVE SPACES AND
WAYS SUBJECT TO
PEDESTRIANS ONLY.

15' - ABOVE DRIVEWAYS,
PARKING LOTS, AND ALLEYS
NOT SUBJECT TO TRUCK TRAFFIC

16' - ABOVE DRIVEWAYS,
PUBLIC ROADS, OR ALLEYS
SUBJECT TO TRUCK TRAFFIC

METER EQUIPMENT TO BE
MOUNTED WITH POLE
MOUNTING BRACKETS
COMMODITY#1111162 (B9506)

LAG BOLTS ARE
AVAILABLE

2'-6" MIN.
5'-6" MAX.
ABOVE FINAL
GRADE LEVEL

4' MIN.

STANDARD 45°
ELBOW ONLY

CUSTOMER POLE
(PRESERVATIVE TREATED 6"Ø MINIMUM)

METER SOCKET FURNISHED BY COMPANY

METER SOCKET SHALL BE MARKED WITH
LOT NUMBER IN LETTERS AND/OR NUMBERS
1" HIGH WITH ENAMEL PAINT ON INSIDE AND
OUTSIDE OF SOCKET

ALL WEATHER PROOF CIRCUIT
BREAKER OR FUSED DISCONNECT
FURNISHED BY CUSTOMER

GROUNDING ELECTRODE CONDUCTORS
INSTALLED PER N.E.C. AND LOCAL CODES
BY CUSTOMER. (MAY CONNECT TO EITHER
THE TERMINAL IN THE METER BASE OR IN
THE MAIN DISCONNECT, BUT NOT BOTH.)

CUSTOMER OWNED AND INSTALLED CONDUIT
AND CONDUCTOR. AS PER N.E.C. AND LOCAL CODES.

DEPTH
ACCORDING TO
CURRENT N.E.C.

CUSTOMER TO FURNISH
AND INSTALL SUFFICIENT
NUMBER AND SIZE CONDUIT.

3-WIRE, OH SERVICE, (120/240V), FOR SINGLE MOBILE HOME