

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.
6. MOUNTING OF METER SOCKET
7. UNIT SHALL BE SURFACE MOUNTED, WITH CENTER OF UNIT BETWEEN 2'-6" AND 5'-6" ABOVE FINAL GRADE, IN A LEVEL AND PLUMB POSITION.
8. 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.
9. SERVICE DROP ATTACHMENT
10. CONNECTIONS BETWEEN SERVICE DROP AND SERVICE ENTRANCE CONDUCTORS SHALL BE MADE (BY COMPANY PERSONNEL) BELOW WEATHERHEAD, FORMING A DRIP LOOP.
11. CONNECTIONS
12. NEUTRAL CONNECTORS SHALL BE PARALLEL GROOVE SQUEEZ-ON'S ONLY.
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.

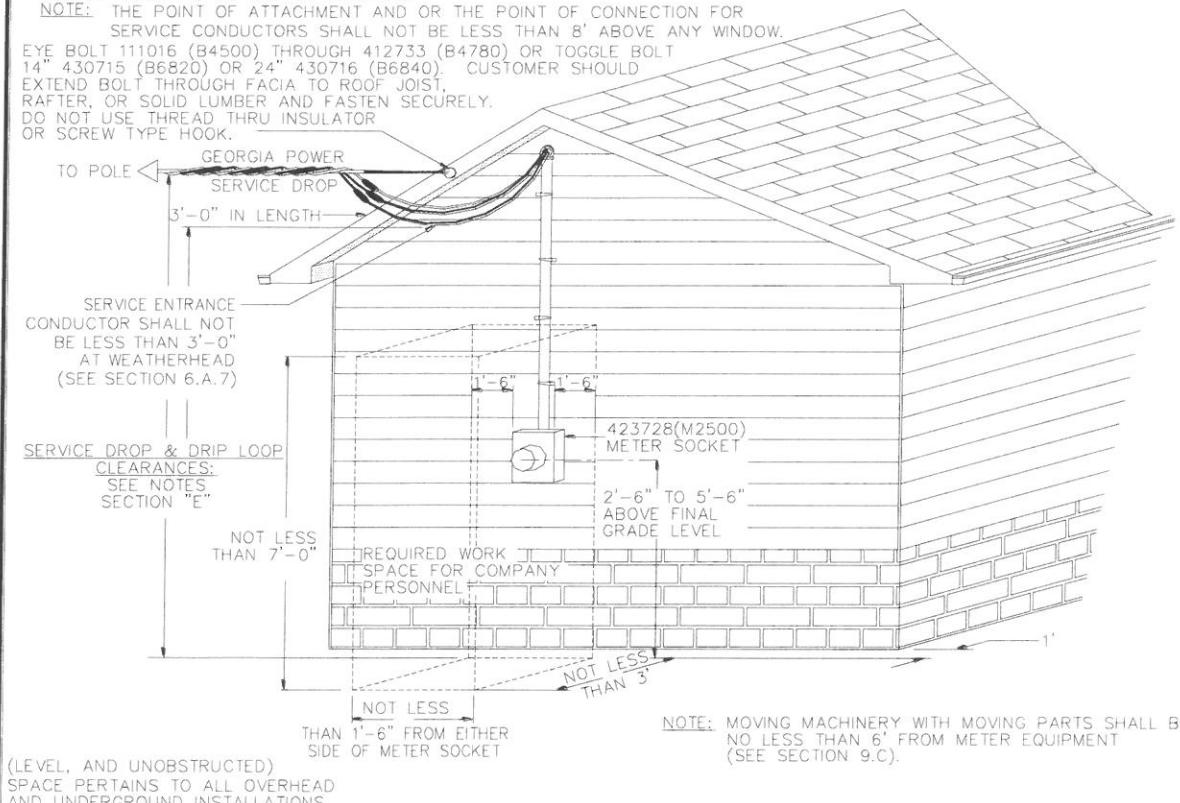
NOTE: WHERE THE HEIGHT OF A BUILDING EVEN WITH A MAST DOES NOT PERMIT THE ABOVE VALUES TO BE MET, THE CLEARANCE OVER RESIDENTIAL DRIVEWAYS ONLY FOR MULTIPLEX CABLES LIMITED TO 150V TO GROUND MAY BE REDUCED AS FOLLOWS: SERVICE DROP - 12.0' DRIP LOOP - 10.0'

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.

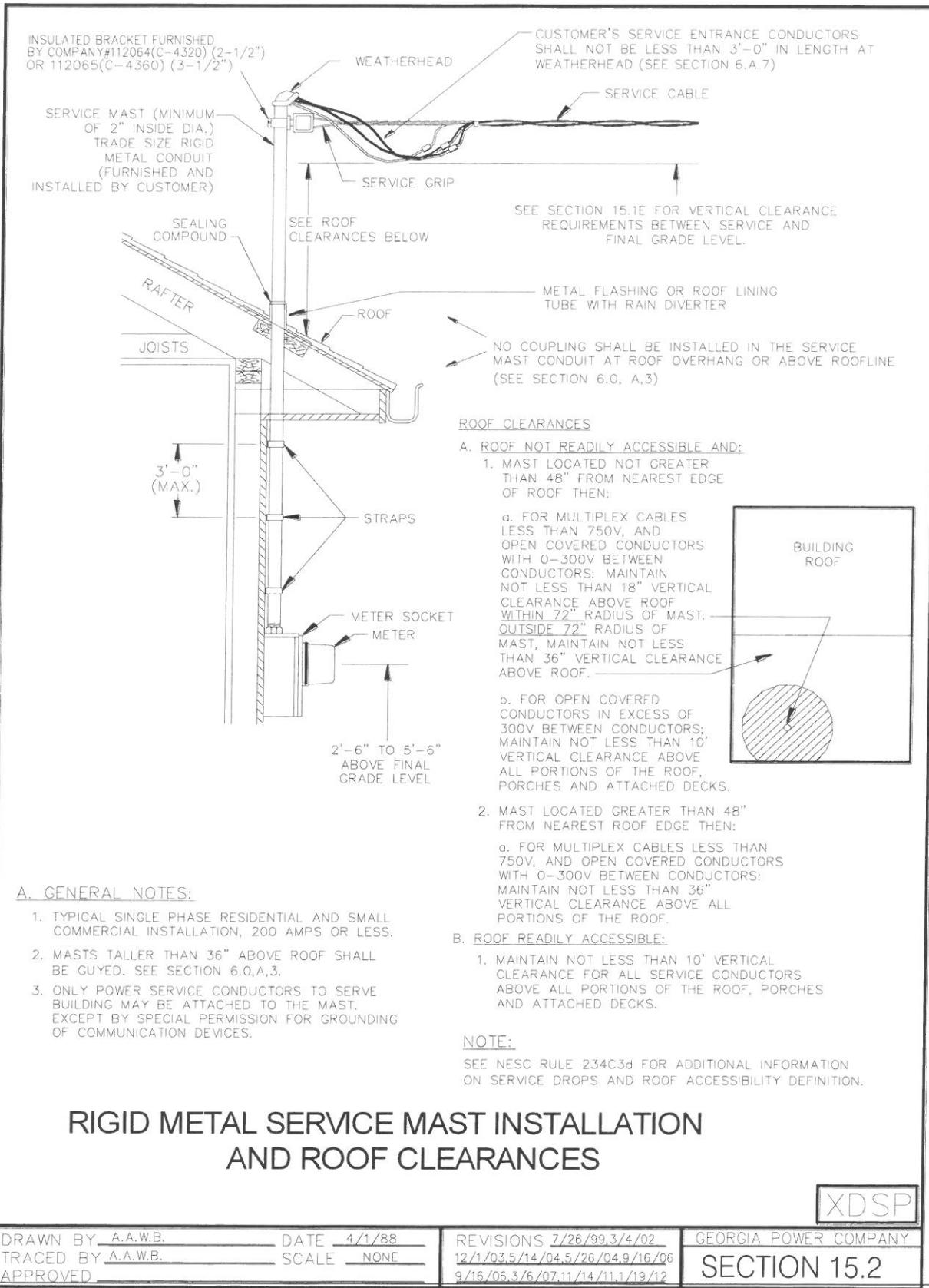


RESIDENTIAL OVERHEAD INSTALLATION

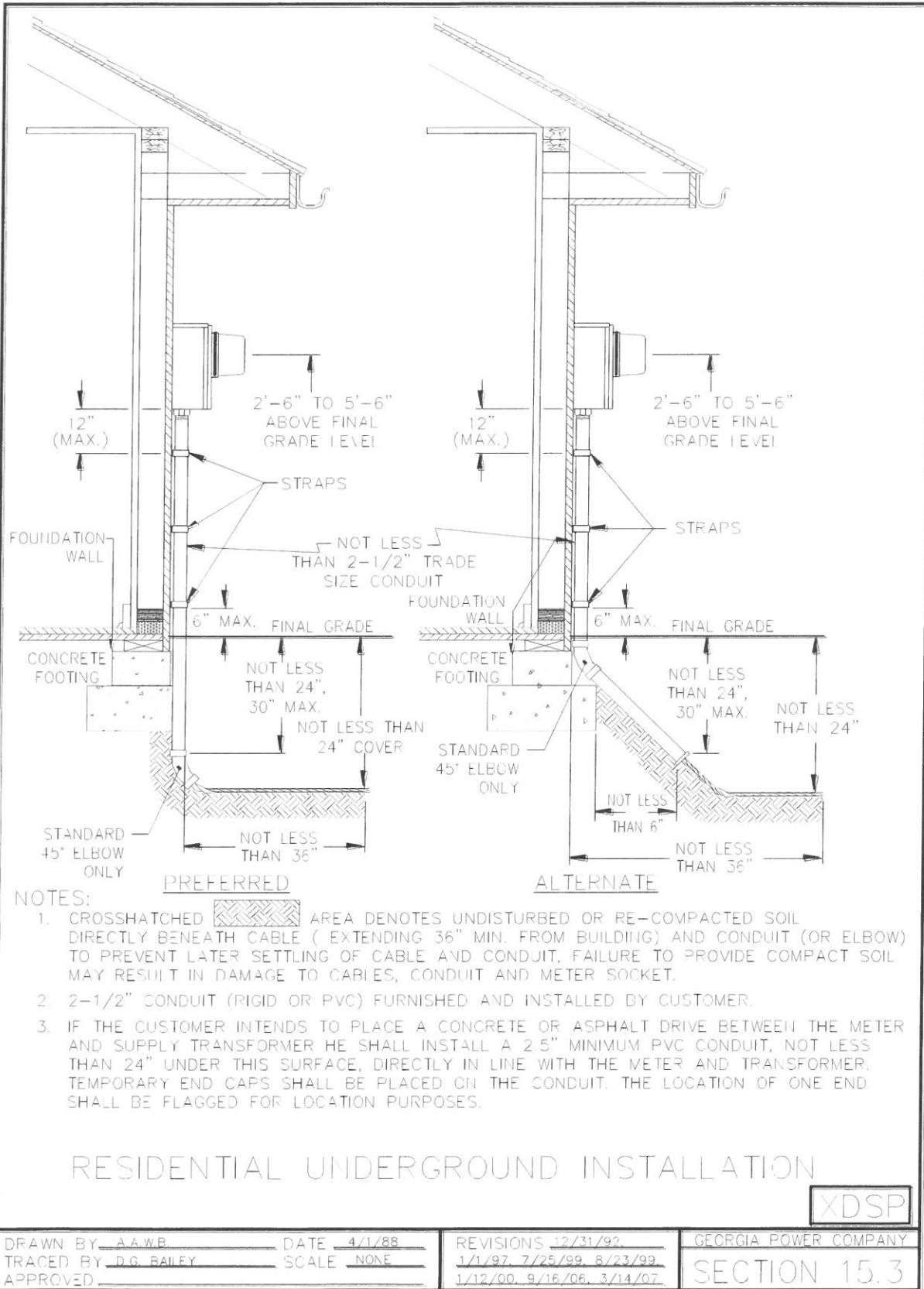
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DRAWN BY	D.R.R.	DATE	4/1/88	REVISIONS	12/31/94, 1/1/97 7/22/99, 8/23/99, 3/4/02, 12/1/03 5/14/04, 9/17/06, 11/14/11	GEORGIA POWER COMPANY
TRACED BY	D.R.R.	SCALE	NONE			
APPROVED						SECTION 15.1

15.2 RIGID METAL SERVICE MAST INSTALLATION AND ROOF CLEARANCES

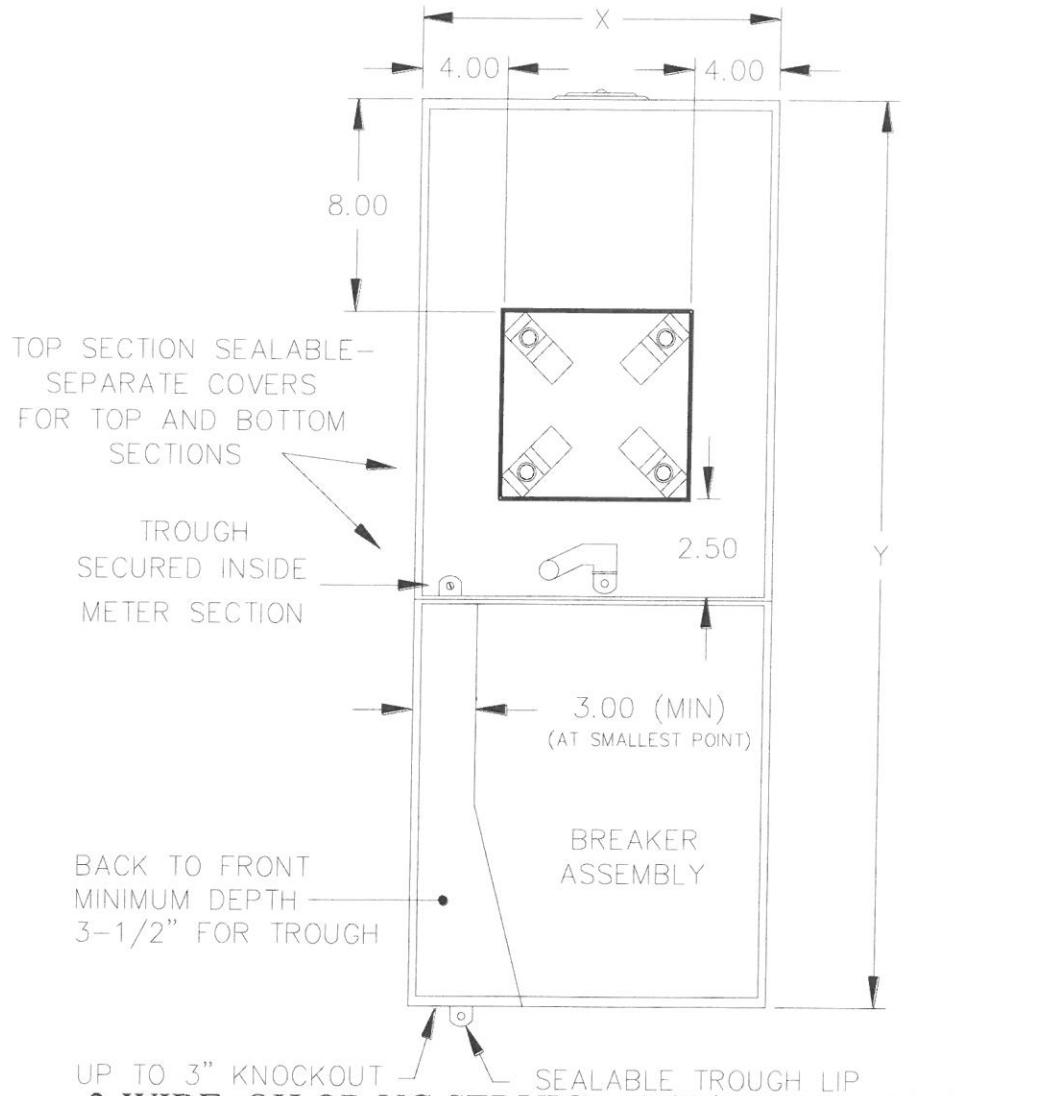


15.3 RESIDENTIAL UNDERGROUND INSTALLATION



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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DRAWN BY BJH
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APPROVED BJH

DATE 9/19/06
SCALE NONE

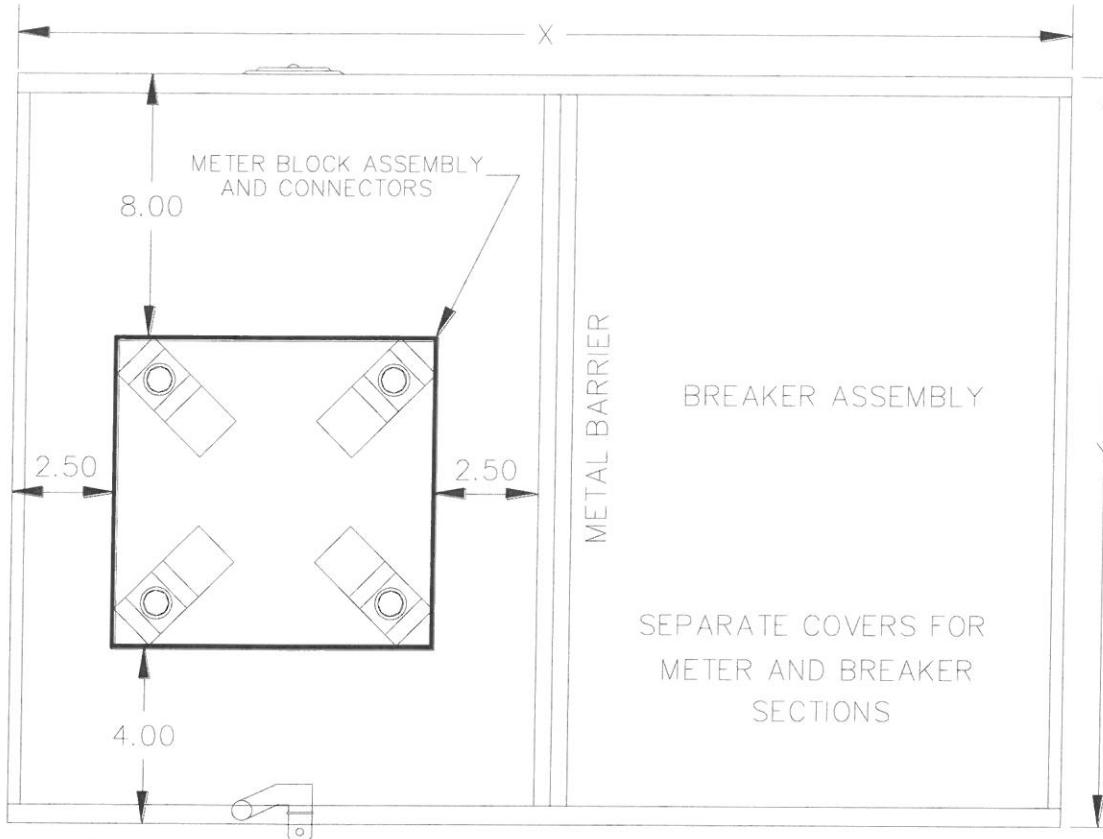
REVISIONS 9/19/06, 6/8/11

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)

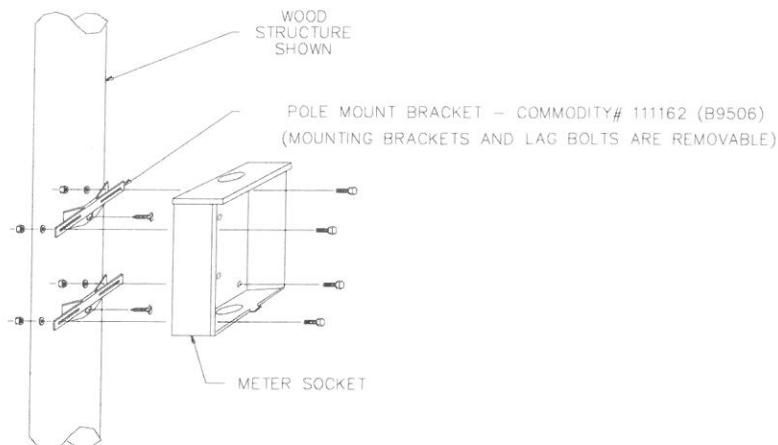


Note* If the socket is used for U. G. service and is built with no obstruction to full depth on either side of block assembly area, (see bold square in drawing), min 2.50" clearance to each side is acceptable (as shown) provided 3" of unobstructed depth is also made available at both sides of socket 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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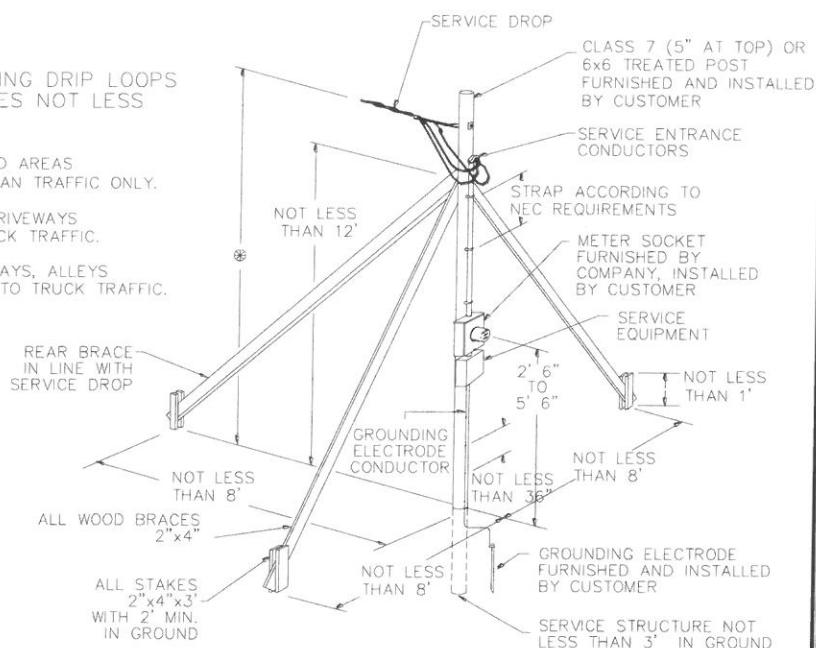
DRAWN BY <u>BJH</u>	DATE <u>9/19/06</u>	REVISIONS <u>1/19/07, 6/8/11</u>	GEORGIA POWER COMPANY
TRACED BY <u> </u>	SCALE <u>NONE</u>		
APPROVED <u>BJH</u>			SECTION 15.8.2

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:

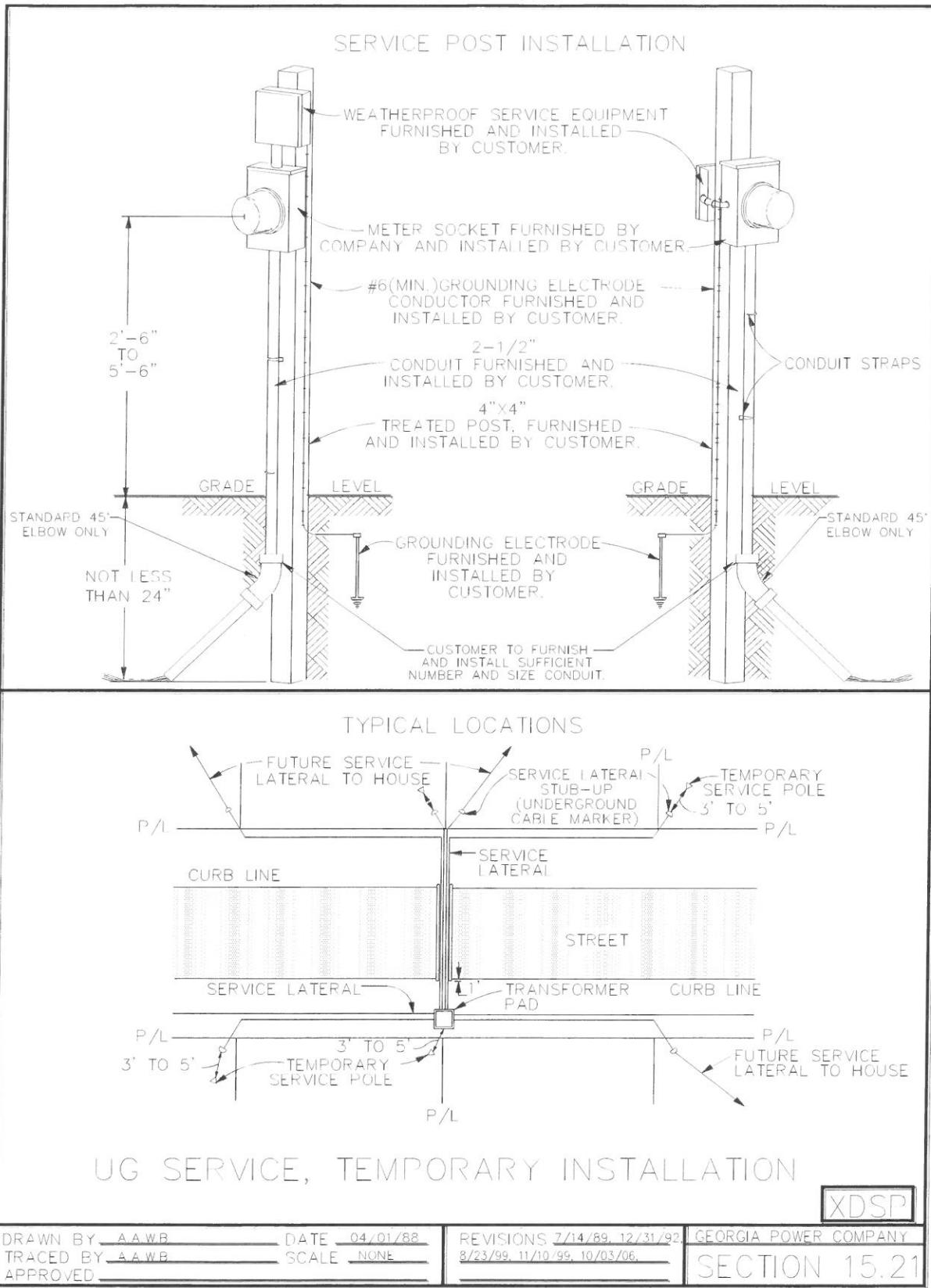
1. TO OBTAIN SERVICE ACROSS A HIGHWAY, CONTACT A QUALIFIED EMPLOYEE.
2. CUSTOMER SHALL FURNISH, INSTALL AND MAINTAIN:
 - A. TREATED WOOD RATED FOR IN GROUND USE SHALL BE USED FOR POLE [CLASS 7 (5" AT TOP) OR 6x6 POST], BRACES AND STAKES.
 - B. SERVICE ENTRANCE CONDUCTORS AND CONDUIT WHERE REQUIRED.
 - 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

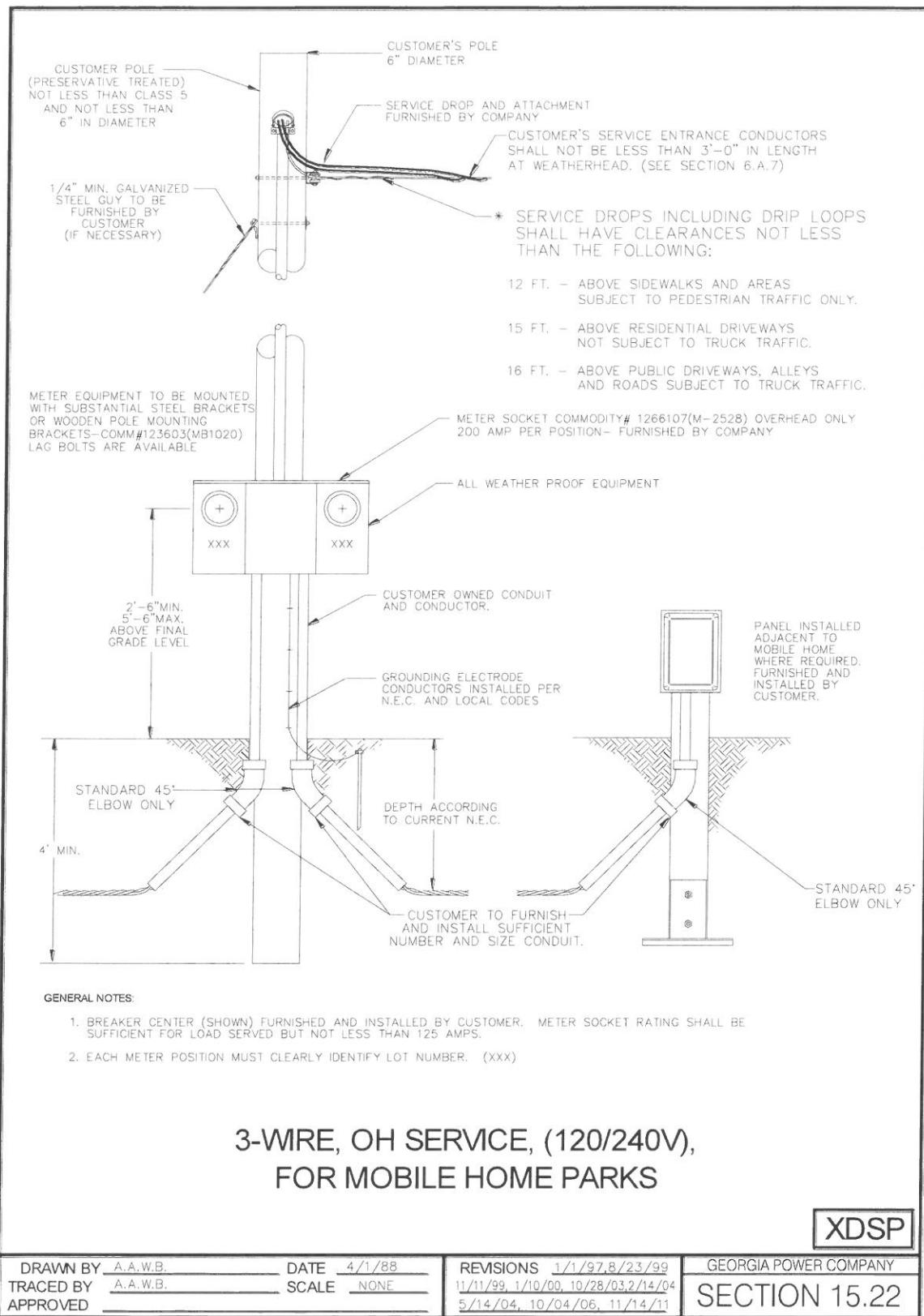
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DRAWN BY <u>A.A.W.B.</u>	DATE <u>4/1/88</u>	REVISIONS <u>Z/14/89, 12/20/91, 12/31/92, 8/23/99, 01/13/00 10/28/03, 01/13/04, 11/14/11</u>	GEORGIA POWER COMPANY
TRACED BY <u>A.A.W.B.</u>	SCALE <u>NONE</u>	SECTION 15.20	
APPROVED _____			

15.21 UG SERVICE, TEMPORARY INSTALLATION



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



15.23 3-WIRE, OH SERVICE, (120/240V), FOR SINGLE MOBILE HOME

