

TABLE I
POLE DIMENSIONS AND SETTING DEPTH

LENGTH OF POLE (FEET)	MINIMUM SETTING DEPTH (FEET)	MINIMUM POLE CIRCUMFERENCE (INCHES)	MINIMUM POLE DIAMETER (INCHES)
		AT TOP 15"	AT TOP 4 ⁵ / ₆₄ "
		AT GROUND LINE	AT GROUND LINE
18'	4'-0"	17 ⁵⁹ / ₆₄ "	5 ⁵⁹ / ₆₄ "
20'	4'-6"	18 ⁵⁹ / ₆₄ "	6"
22'	4'-6"	19 ⁵⁹ / ₆₄ "	6 ⁵⁷ / ₆₄ "
25'	5'-0"	20"	6 ⁵⁹ / ₆₄ "

GENERAL CONDITION NOTES:

THE COMPANY WILL BE RESPONSIBLE FOR:

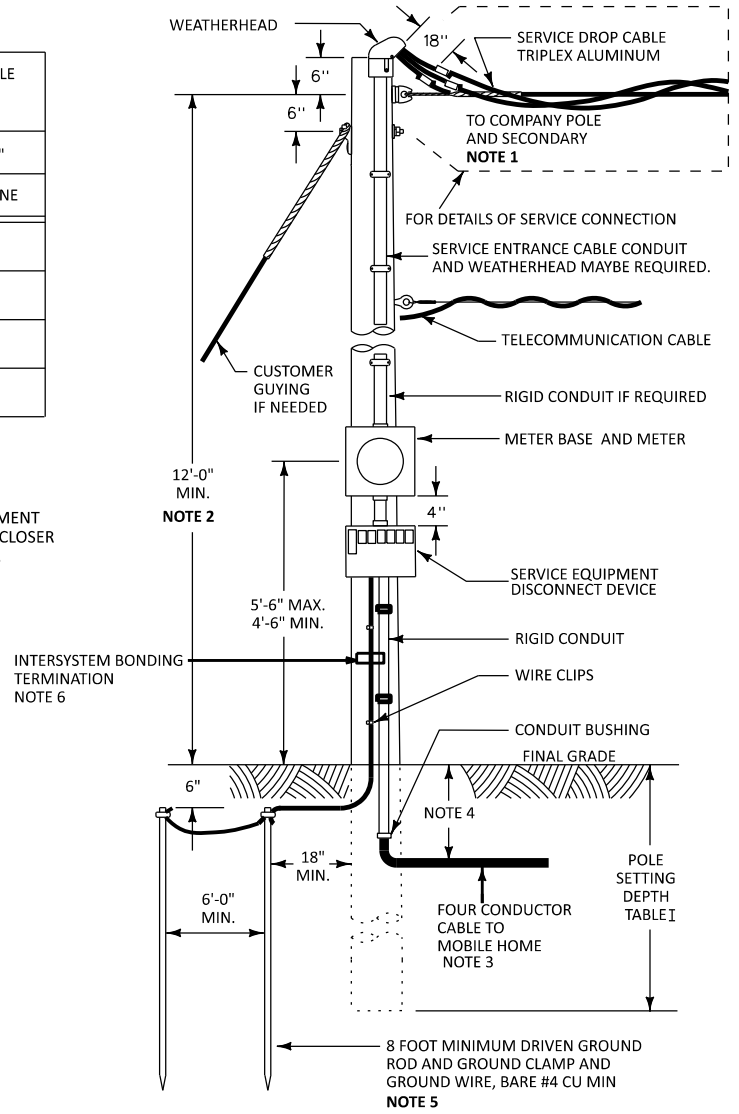
- (a) SPECIFYING THE SERVICE POLE LOCATION, AND SERVICE DROP ATTACHMENT HEIGHT. NOTE: SERVICE POLE SHALL BE LOCATED WITHIN 30' AND NO CLOSER THAN 3' OF THE MOBILE HOME ON THE SIDE NEAREST APCO FACILITIES. **CUSTOMER SERVICE POLE MUST BE TRUCK ACCESSIBLE.**
- (b) PROVIDING AND INSTALLING THE OVERHEAD SERVICE DROP.
- (c) PROVIDING THE METER BASE TO CUSTOMER WHERE REQUIRED.
- (d) INSTALLING AND REMOVING THE METER.

THE CUSTOMER WILL BE RESPONSIBLE FOR:

- (a) PROVIDING AN ADEQUATE GROUND TO THE FRAME OF THE SERVICE EQUIPMENT DISCONNECT DEVICE. GROUND IN ACCORDANCE WITH NEC ARTICLE 250 AND LOCAL CODES. GROUNDING IS TYPICALLY PROVIDED BY 8'-0" DRIVEN GROUND ROD(S) OR BY A METALLIC WATER PIPE BONDED TO 8'-0" DRIVEN GROUND ROD(S). IF A METALLIC WATER PIPING SYSTEM IS PRESENT, IT MUST BE BONDED TO THE 8'-0" DRIVEN GROUND ROD(S).
- (b) PROVIDING AND SECURELY INSTALLING THE SERVICE ENTRANCE CABLE, RIGID CONDUIT AND WEATHER HEAD AS REQUIRED BY LOCAL CODES. NON-METALLIC CONDUIT PERMITTED IF INSTALLED IN ACCORDANCE WITH NEC AND APPROVED BY LOCAL INSPECTION AUTHORITY. SERVICE ENTRANCE CONDUCTORS SHALL PROJECT FROM WEATHERHEAD A MINIMUM OF 18 INCHES. ONLY POWER SERVICE CONDUCTORS ARE ALLOWED TO CONTACT THE SERVICE MAST, NEC (230-28).
- (c) PROVIDING AND INSTALLING SERVICE EQUIPMENT DISCONNECT. THE DISCONNECT DEVICE IS TO HAVE OVERCURRENT PROTECTION AND SHALL BE IN A WEATHERPROOF, UL LISTED ENCLOSURE.
- (d) SECURELY MOUNT THE METER BASE IN A PLUMB POSITION. METER MUST FACE STREET OR ACCESS WALKWAY.
- (e) PROVIDING AND SECURELY INSTALLING THE SERVICE POLE AND GUYING (IF NEEDED). SERVICE POLE IS TO BE TREATED WITH AN EPA REGISTERED PRESERVATIVE. POLE SETTING DEPTH TO BE IN ACCORDANCE WITH TABLE I.

GENERAL CONSTRUCTION NOTES:

1. THIS INSTALLATION IS FOR A SINGLE MOBILE HOME ONLY, FOR MOBILE HOMES IN PARKS, REFER TO FIGURE 9.
2. THE SERVICE ATTACHMENT SHALL BE INSTALLED AT A HEIGHT THAT MAINTAINS PROPER CLEARANCES FOR SERVICE DROP CONDUCTORS, REFER TO FIGURE 5.
3. A GROUNDING AS WELL AS A GROUNDED CONDUCTOR MUST EXTEND BETWEEN THE MOBILE HOME AND ITS ADJACENT SERVICE EQUIPMENT. NEITHER THE FRAME OF THE MOBILE HOME NOR THE FRAME OF ANY DISTRIBUTION PANEL OR APPLIANCE MAY BE CONNECTED TO THE NEUTRAL (GROUNDED) CONDUCTOR IN THE MOBILE HOME. THE GROUNDING AND GROUNDED CONDUCTOR ARE BONDED TOGETHER ONLY ON THE SUPPLY SIDE OF THE SERVICE DISCONNECT DEVICE. REFER TO ARTICLE 550 OF NEC GROUNDING.



GENERAL CONSTRUCTION NOTE CONTINUED:

4. BURIAL DEPTH IS THE DISTANCE BETWEEN FINAL GRADE AND THE TOP OF THE BURIED CABLE OR CONDUIT. APPALACHIAN POWER REQUIRES A BURIAL DEPTH OF 30 INCHES AND/OR CONFORM TO ANY OR ALL AUTHORITY HAVING JURISDICTION. BURIAL DEPTH SHALL NOT BE LESS THAN STATED DEPTH ON THE PRECEDING LIST UNLESS IMPOSSIBLE TO BE ACHIEVED OR IS SUPERSEDED BY LOCAL AUTHORITY HAVING JURISDICTION. IF THE DEPTH IS IMPOSSIBLE TO ACHIEVE, APCO VERIFICATION WILL BE NEEDED BUT SHALL NOT BE LESS THAN WHAT IS STATED IN THE NATIONAL ELECTRICAL CODE ARTICLES AND TABLES: ARTICLE 300: 300.3(B) (1), 300.3 (C) (1) (2), TABLE 300.5, AND TABLE 300.50
5. CUSTOMER GROUNDING SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE. THE GROUND WIRE MUST NOT BE CONNECTED OR PASS THROUGH THE METER SOCKET. CUSTOMER SHALL HAVE A MINIMUM OF 2 - 5/8" X 8' COPPER CLAD GROUND RODS AT LEAST 6' APART. MINIMUM #4 CU GROUND WIRE MUST BE CONTINUOUS THROUGH AND TO THE SECOND GROUND ROD. FOR EXISTING INSTALLATIONS, THE SECOND GROUND ROD CAN BE ADDED WITHOUT CHANGING THE EXISTING GROUNDING CONDUCTOR AS LONG AS IT IS PROPERLY BONDED TO THE FIRST ROD. CLAMPS SHALL BE UL APPROVED.
6. FOR NEW AND ALTERED INSTALLATIONS AN INTERSYSTEM BONDING TERMINATION SHALL BE PROVIDED EXTERNALLY TO ENCLOSURES AT THE SERVICE EQUIPMENT. A METER BOX GROUND CLAMP IS NOT PERMITTED.

SEE GENERAL CONDITION NOTES FOR POWER COMPANY AND CUSTOMER RESPONSIBILITIES

SINGLE MOBILE HOME OVERHEAD SERVICE
FIGURE 4

