Singlewide Mobile Homes
And
Doublewide Mobile Homes

Please Read This Entire Pamphlet Before Setting Up Your Mobile Home

Building Inspection Office
Patrick County
106 Rucker Street
Stuart, Virginia 24171

Monday – Friday
Hours: 8:00 a.m. – 5:00 p.m.
Telephone: 276-694-4143

Call for Inspections – 8:00 a.m. – 10:00 a.m.

In Order To Obtain A Building Permit

1. **Need to apply to the Health Department for a water/sewage permit.**
2. **If required and approved an Erosion & Sediment Plan will be required if you are disturbing more than 10,000 square ft.**
3. **For power service you will need to contact American Electric Power at 1-800-956-4237. The Building Inspection office will need the work order number that AEP gives you when you put in your application.**
4. **When applying for a building permit you must provide the following:**
   A. **Sewer disposal construction permit**
   B. **Completed building permit application**
   C. **Information of the mobile home, if applicable (year model, size, etc.)**

REQUEST FOR INSPECTIONS

(Under Normal Circumstances)

1. **Building Official will receive building inspection calls between the hours of 8 a.m. and 10 a.m. Inspectors will be in the field between the hours of 10 a.m. to 4 p.m. with no appointment times to be given.**

2. **All work to be inspected must be completed before calling for an inspection. If the work is not completed and to a satisfactory manner when an inspection is conducted, then a re-inspection charge will be applied. Please have the following information available when calling in an inspection:**
   - **Permit number**
   - **Name the permit is in.**
   - **Name of person calling.**
   - **Type of inspection.**

THE ABOVE GUIDELINES ARE IN GENERAL CONTEXT. FOR SPECIFIC INSTALLATION REQUIREMENTS, THE MANUFACTURES INSTALLATION INSTRUCTIONS WILL SUPERSEDE ANY INFORMATION CONTAINED HEREIN.

SINGLEWIDE INSPECTIONS

1. Trailer set and anchored to manufacturer's specs. Manufacturer's specs need to be provided during the inspection. Also at the same time, inspections will be done on your plumbing and electrical service installation. Provisions will need to be provided for entrance to the home.
2. You will have 60 days to install skirting and porches. Call for an inspection once this has been completed.
3. Final from the Health Department is required before receiving a Certificate of Occupancy from the Building Inspection Department.

THE UNDERPINNING WILL NEED TO BE LEFT OFF UNTIL THE 1ST INSPECTION HAS BEEN COMPLETED.

DOUBLEWIDE INSPECTIONS

1. Open footers are to be inspected before pouring cement.
2. Trailer to be set and anchored to manufacturer's specs, specs to be provided during inspection. Also at the same time, inspections will be done on your plumbing and electrical service installation. Provisions will need to be provided for entrance to the home.
3. You will have 60 days to install skirting and porches. Call for an inspection once this has been completed.
4. Final from the Health Department is required before receiving a Certificate of Occupancy from Building Inspection Department.

THE UNDERPINNING WILL NEED TO BE LEFT OFF UNTIL THE 1ST INSPECTION HAS BEEN COMPLETED.

HELPFUL GUIDELINES:

1. Footings on stable soil (no fill dirt).
2. Follow the manufacturer's specs for spacing and blocking requirements for pier location.
3. If masonry underpinning is installed, the footing needs to be to the frost line and inspected. Block will need to be adequate width and brick skirting will need adequate backer support if over 30".
4. Provide an 18 x 24 access door to crawl space.
5. Crawl space ventilation 1 square foot per 150 square foot of crawl area.
6. Exterior finish grade needs to slope 6" within 10' away from the home.
7. All exterior porches and decks need to be pressure treated wood.

HOW TO READ YOUR DATA PLATE

Your Mobile Home is designed for different regions of the United States. Before purchasing or relocating you will need to reference the data sheet for location restrictions. Located below, you will find information on locating and reading your data sheet as well as a sample data sheet to reference.

If you cannot locate your data sheet within the home, you will need to contact the manufacturer, with the model and serial number, so that they can get you a data sheet.

Typical locations to find the Data Plate:

Master Bedroom Closet
Other Bedroom Closets
Kitchen Cabinets

Information about the Data Plate:

1) **1st map on the left hand side is the Wind Zone. Either Zone 1 or Zone 2 will be acceptable for Patrick County.**

2) **2nd map on the left hand side is the roof load. The map should indicate southern, with a minimum of 20 PSF or Greater.**

3) **3rd map on the bottom right side is for insulation. The map will need to be stamped for the zone in which Virginia is located. Zone 2 was suitable for models up until 1995, at that time Virginia was relocated to a Zone 3. The correct Zone for the year of the home will need to be verified by the zoning map located on the data plate.**

Data Plate

Manufacturer Address

Date of Manufacture	Plant Number	HUD No.

Manufacturer's Serial Number and Model Unit Designation
If Serial Number ends with "P" - Perimeter Blocking Required(See Below)

Design Approval by (D.A.P.I.A.)	Perimeter Blocking	
	☒ Yes ☒ No	☒ 64" On Center ☒ 96" On Center

This manufactured home is designed to comply with the federal manufactured home construction and safety standards in force at time of manufacture.
(For additional information, consult the owner's manual.)

The factory installed equipment includes:

Equipment	Manufacturer	Model Designation
For Heating and/or A		
For Cooking		
Refrigerator		
Water Heater		
Washer		
Clothes Dryer		
Dishwasher		
Garbage Disposal		
Fireplace		
Smoke Detector		
Microwave		

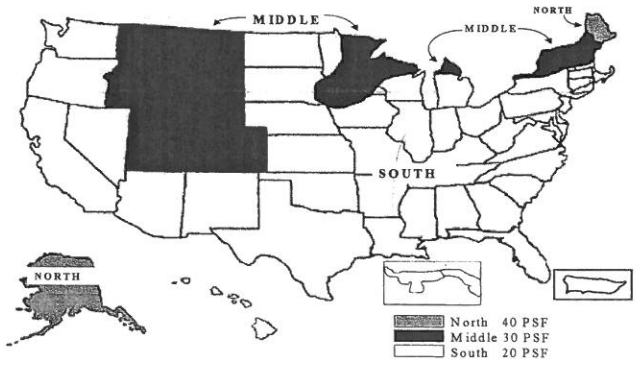
Manufactured Home Constructed for:

This home has not been designed for the higher wind pressures and anchoring provisions required in ocean/coastal areas and should not be located within 1500' of the coastline in the Wind Zones II and III, unless the home and its anchoring and foundation system have been designed for the increased requirements specified for Exposure D in ANSI/ASCE 7-88.

This home been equipped with storm shutters or other protective covering for windows and exterior door openings. For homes designed to be located in Wind Zones II and III which have not been provided with shutter or equivalent covering devices, it is strongly recommended that the home be made ready to be equipped with these devices in accordance with the method recommended in the manufacturers printed instructions.

Wind Zone Map

DESIGN ROOF LOAD ZONE MAP



Comfort Heating

This manufactured home has been thermally insulated to conform with the requirements of the federal manufactured home construction and safety standards for all locations within climactic

zone _____

Heating equipment manufacturer and model (see list at left).
The above heating equipment has the capacity to maintain an average 70 degree Fahrenheit temperature in this home at outdoor temperatures _____ F.

To maximize furnace operating economy and to conserve energy, it is recommended that this home be installed where the outdoor winter design temperature (97 1/2%) is not higher than _____ degrees Fahrenheit.

The above information has been calculated assuming a maximum wind velocity of 15 m.p.h. standard atmoshperic conditions.

Comfort Cooling

☒ Air Conditioner provided at factory (Alternate I)

Air conditioner manufacturer and model (see list at left).

Certified capacity _____ B.T.U./hour in accordance with the appropriate air conditioning and registration institute standards.

The central air conditioning system provided in this home has been sized assuring an orientation of the front (hitch end) of the home facing _____. On this basis the system is designed to maintain an indoor temperature of 75 degrees Fahrenheit when outdoor temperatures are _____ F dry bulb and _____ F wet bulb.

The temperature to which this home can be cooled will change depending upon the amount of exposures of the windows of this home to the sun's radiant heat. Therefore, the home's heat gains will vary dependent upon its orientation to the sun and any permanent shading provided

Information concerning the calculation of cooling loads at various locations, window exposure and shadings are provided in Chapter 22 of the 1981 edition of the ASHRAE Handbook of Fundamentals.

Information necessary to calculate cooling loads at various locations and orientations is provided in the special comfort cooling information provided with this manufactured home

☐ Air Conditioner not provided at factory (Alternate II)

The air distribution system of this home is suitable for the installation of central air conditioning The supply air distribution system installed in this home is sized for manufactured home central air conditioning system of up to B.T.U./hr rated capacity which are certified in accordance with the appropriate air conditioning and refrigeration institute standards when the air circulators of such air conditioners are rated at 0.3 inch water column static pressure or greater for the cooling air delivered to the manufactured home supply air duct system.

Information necessary to calculate cooling loads at various locations and orientation is provided in the special comfort cooling information provided with this manufactured home

☐ Air Conditioner not recommended (Alternate III)

The air distribution system of this home has not been designed in anticipation of its use with a central air conditioning system.

INFORMATION PROVIDED BY THE MANUFACTURER NECESSARY TO CALCULATE SENSIBLE HEAT GAIN

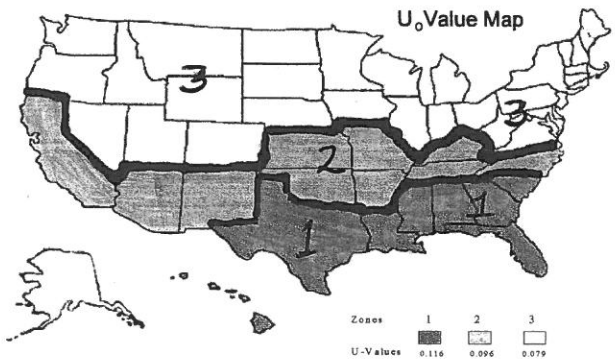
Walls (without windows and doors)	"U"	
Ceilings and roofs of light color	"U"	
Ceilings and roofs of dark color	"U"	
Floors	"U"	
Air ducts in floor	"U"	
Air ducts in ceiling	"U"	
Air ducts installed outside the home	"U"	

The following are the duct areas in this house

Air ducts in the floor		Sq. Ft.
Air ducts in the ceiling		Sq. Ft.
Air ducts outside the home		Sq. Ft.

To determine the required capacity of equipment to cool a home efficiently and economically, cooling load (heat gain) calculation is required. The cooling load is dependent on the orientatio location and the structure of the home. Central air conditioners operate most efficiently and provide the greatest comfort when their capacity closely approximates the calculated cooling load. Each home's air conditioner should be sized in accordance with Chapter 22 of the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) Handbook of Fundamentals, once the location and orientation are known.

U_o Value Map



NOTICE:

DUE TO THE MOBILE HOME ORDINANCE ADOPTED NOVEMBER 14, 1998, IN ARTICLE 3, SECTION 1 AND ARTICLE 7, SECTION 18:

Article 3 – Section 1: "Manufactured Home" shall mean any structure constructed on or after June 15, 1976, subject to federal regulation and containing the H.U.D. label, which is transportable in one or more sections; is twelve (12) body feet or more in width and forty (40) body feet or more in length in the traveling mode, or is four hundred eighty (480) or more square feet when erected on site; is built on a permanent chassis; is designed to be used as a family dwelling, with or without a permanent foundation when connected to the required utilities; and includes the plumbing, heating, air-conditioning, and electrical systems contained in the structure. "Manufactured Home" includes structures commonly referred to as "mobile home" and "house trailer".

Article 7 – Section 18: Homes not meeting Definition and not located in County prior to November 14, 1998: Manufactured homes that are built before June 15, 1976 and do not contain the H.U.D. label, shall not be brought into the County or relocated within the County for the purpose of providing a dwelling, except that current owners may relocate such home for the sole purpose of maintaining said manufactured home as their residence and they continue to occupy the same after the relocation. Manufactured homes in excess of twenty (20) years of age shall not be brought into Patrick County and placed in a manufactured home park. Said twenty (20) year prohibition shall also apply to homes brought into the county after November 14, 1998, and later placed in a manufactured home park.

NOTICE

Plumbing, Wiring and Tie Downs need to be INPSECTED before Skirting is installed.

Anchoring Specifications:

The maximum spacing between tie-downs beginning from the front wall (hitch end) of the mobile home shall not exceed twelve (12) feet in non-hurricane zones. A diagonal tie shall be installed in conjunction with each vertical tie and additional diagonal ties shall be installed as required. The last vertical tie shall be not more than two (2) feet from the rear wall of the mobile home.

Cable used for ties shall be either galvanized steel or stainless steel having a breaking strength of at least four thousand seven hundred and twenty-five (4,725) pounds. Cable shall be either 7/32" diameter or greater (7x7) steel cable or ¼" diameter or greater (7x19) aircraft cable. All cable ends shall be secured with at least two (2) 1-bolt type cable clamps or other fastening device as approved by the local building official.

Ties shall be either steel cable or steel strapping. Ties shall be fastened to ground anchors and drawn tight with galvanized turnbuckles or yoke-type fasteners and tensioning devices. Turnbuckles shall be ended with jaws of forged or welded eyes (hook ends are not approved).

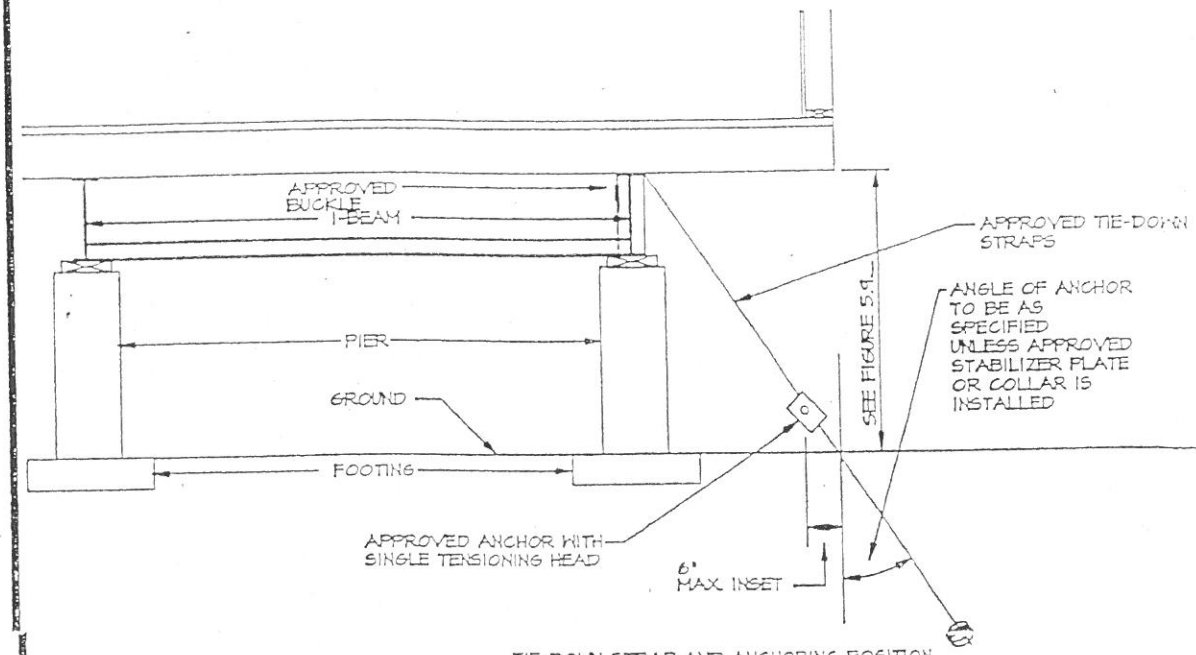
Ground anchors shall be resistant to weathering deterioration at least equivalent to that provided by a coating of zinc on surface coated. Screw auger anchors shall have a minimum helix diameter of 6" and be sunk to their full depth (at least 4'). Steel rods shall be at least 5/8" diameter, have a forged or welded eye to top, or have a yoke-type fastening and tension device or a threaded connector and tensioning device. Anchors shall be capable of withstanding four thousand seven hundred and twenty-five (4,725) pounds of pull in a vertical direction without failure.

SECTION 4.6.1
Each ground anchor, when installed shall be capable of resisting an allowable working load at least equal to 3,150 pounds applied in the direction of the tie. In addition, each ground anchor shall be capable of withstanding a 50% overload without failure. The ground anchors, which are designed to be installed so that the loads in the anchor are other than direct withdrawal shall be designed and installed to resist an applied load of 3,150 pound at a 45 degree from horizontal without displacing the anchor more than four inches (4") horizontally at the point where the tie attaches to the anchor.

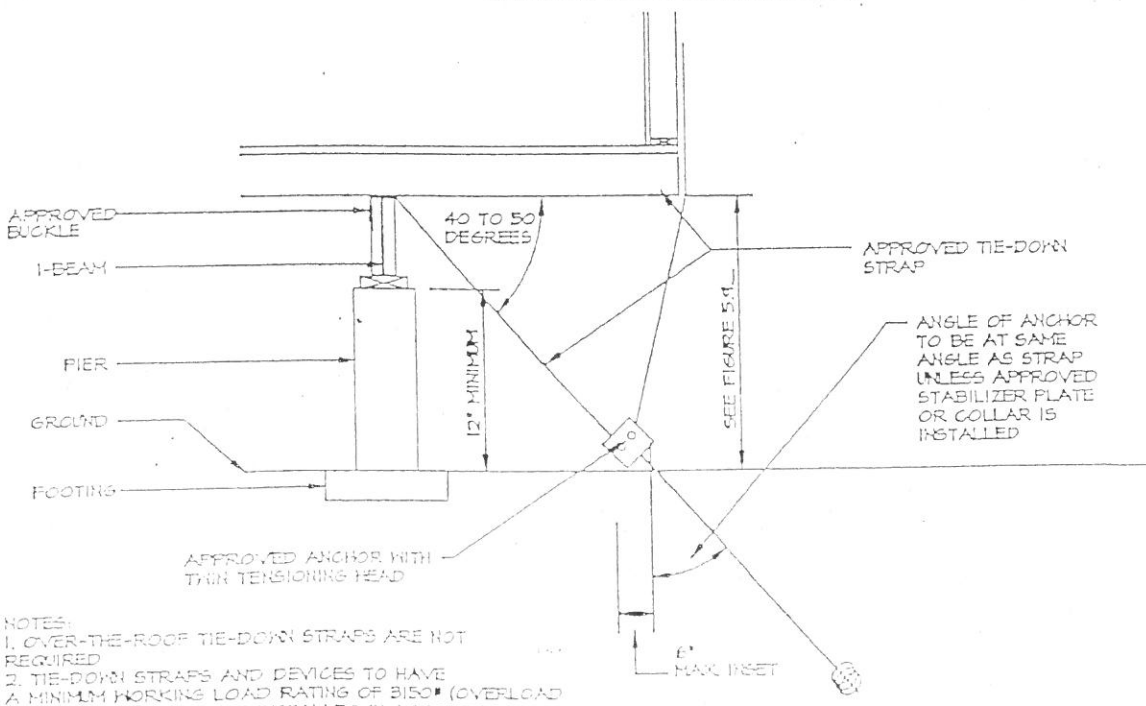
SECTION 4.6.4.2
Dead-man anchors may be used in place of listed anchors if they meet the requirements of Paragraph 4.6.1. They shall be constructed of solid concrete at least six inches (6") in diameter and two feet (2') long and reinforced with two(2) #4 steel rods and shall be installed at least five feet (5') below the surface of the ground.

NOTE: Established frost line for mobile homes to be located in Meadows of Dan and Vesta will be 18" and other areas of the County will be 12".

TIE-DOWN STRAP AND ANCHORING POSITION
INSTALLATION WITHOUT VERTICAL TIES



TIE-DOWN STRAP AND ANCHORING POSITION
INSTALLATION WITH VERTICAL STRAPS



NOTES:
1. OVER-THE-ROOF TIE-DOWN STRAPS ARE NOT REQUIRED
2. TIE-DOWN STRAPS AND DEVICES TO HAVE A MINIMUM WORKING LOAD RATING OF 3150# (OVERLOAD OF 4725#) AND MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. PROTECTION SHALL BE PROVIDED AT SHARP CORNERS WHERE THE ANCHORING SYSTEM REQUIRES THE USE OF EXTERNAL STRAPS OR CABLES.
4. ANCHOR CAPACITY PER APPROPRIATE FIGURE 5.9__.

FIGURE 5.10.1
TIEDOWN & ANCHORING DETAILS

8. MOBILE HOME ANCHORAGE: ALL MOBILE HOMES ARE TO BE ANCHORED DOWN.

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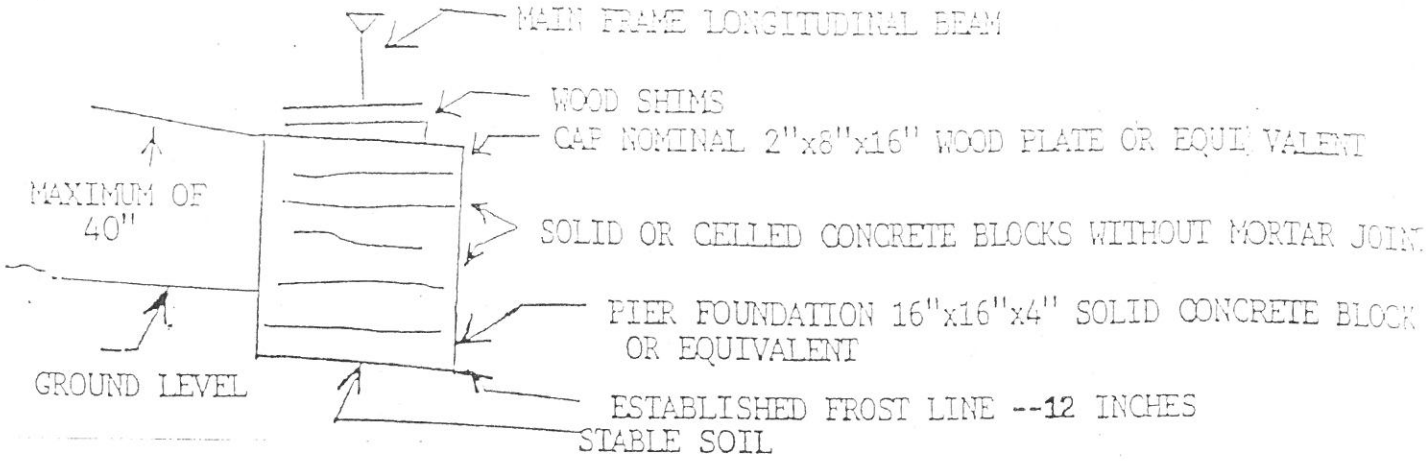


FIGURE 1. PIERS UP TO 40" HEIGHT SINGLE BLOCK CONSTRUCTION

NOTE: CORNER PIERS MORE THAN THREE (3) BLOCKS HIGH SHALL BE DOUBLE BLOCK CONSTRUCTION AS SHOWN IN FIGURES II & III.

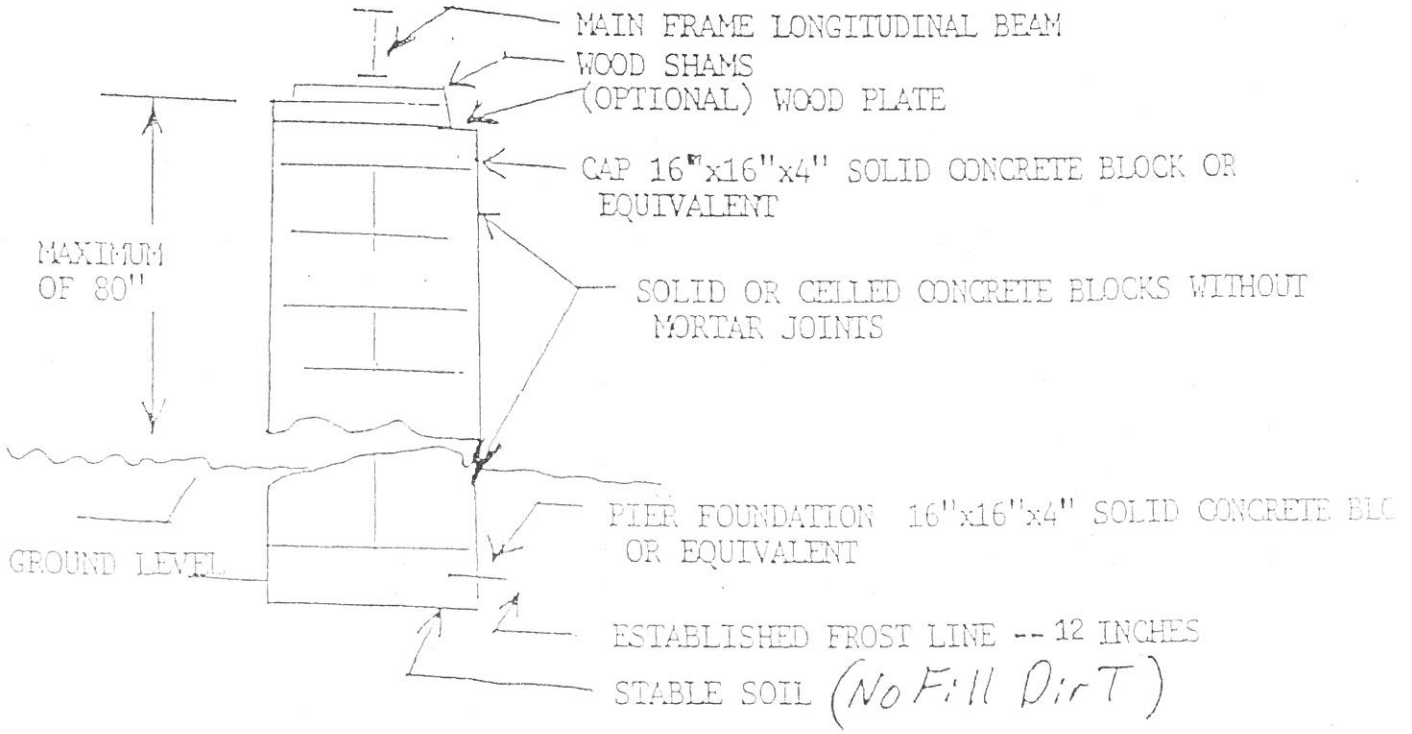


FIGURE II. PIERS OVER 40" IN HEIGHT AND NOT EXCEEDING 80" IN HEIGHT (DOUBLE BLOCK CONSTRUCTION).

MOBILE HOME SERVICE INSTALLATION

Listed below is a general guideline with inserts from the National Electrical Code (NEC) and diagrams provided by American Electric Power. All electrical work must comply with the most current edition of the National Electric Code and/or any other applicable code requirements or manufacturer installation requirements.

SINGLEWIDE MOBILE HOME OVERHEAD SERVICE INSTALLATION

You will find in Illustration 3, the general requirements for a singlewide service pole installation. The service shall not be attached to the singlewide unless specified by the manufacturer.
Listed below are amendments to the illustration that you will need to make note of:

1. Install two (2) ground rods, 6' apart and will need to be interconnected.

SINGLEWIDE MOBILE HOME UNDERGROUND SERVICE INSTALLATION

You will find in Illustration 8, the general requirements for a singlewide underground service installation. The service shall not be attached to the singlewide unless specified by the manufacturer.
Listed below are amendments to the illustration that you will need to make note of:

1. Install two (2) ground rods, 6' apart and will need to be interconnected.

FOR FURTHER DETAILS SEE AEP MOBILE HOME ELECTRIC INSTALLATION SERVICE GUIDE AS FOUND HEREIN.

American Electric Power
Customer Owned Meter Main/Combinations Specifications

Enclosure Construction
Steel enclosures shall be a minimum of G-90 galvanized steel. All edges shall be smooth after forming. Enclosure shall be painted after fabrication. Finish coat shall have a minimum of 2 mils thickness and provide a tough, non-chalking weather resistant finish. Construction shall be in accordance with ANSI/UL50. Outdoor enclosures shall be rated Type 3R. Mounting bosses shall provide 0.125-inch minimum air space between back of the meter main/combinations and the mounting surface. Meter main/combinations sealing shall be provided by minimum 304 stainless steel latches and rivet with provision for 3/8-inch padlock and/or ribbon seal.

Protection
Enclosures shall be designed to protect personnel against accidental contact with the electrical devices. Guard against unauthorized use of electric service and be equipped with Barrel lock provision 7/8 inch on each cover and cannot be opened without either breaking the seal or visibly damaging the enclosure.

Meter main/combinations Jaws
Block assemblies shall be replaceable from the front. Current carrying meter main/combinations jaws shall be reinforced and have meter blade guides. The jaws shall be tin plated, capable of carrying full rated (continuous) current and withstand the mechanical and heat rise requirements of ANSI/UL 414.

Terminal Connectors
Terminal connectors shall be suitable for use with aluminum and copper conductors. Connectors shall be tin plated and capable of carrying full rated (continuous) current and withstand the mechanical and heat rise requirements of ANSI/UL 486B.

UL Listing
All meter main/combinations shall be Underwriters Laboratories Listed and labeled as such.

125 and 200 amp 4 terminal meter main/combinations shall have provisions for a 5th terminal and bypass horns for utilities use for manual bypass using jumper cables. When a 5th terminal is required it shall be installed in the 9 o'clock position and securely tied to the neutral. All meter mains shall have a double lay-in for the neutral connection. 200 amp underground meter main/combinations shall have one set of concentric knockouts in bottom left for 3-inch conduit and be of the side wire/bused design for straight in wiring. The left side will be for the line side and the right load side. 200 amp 5 and 7 terminal and all 320 amp meter main/combinations shall have a good quality jaw release manual operated bypass which is 100% rated.

All meter main and combinations shall be ringless style and shall be approved by local supervision and only to be used on residential sites.

Additional Note: AEP does not support the use of K-base meter bases.

American Electric Power
Customer Owned Meter Main/Combinations Specifications

Siemens/Talon	Milbank
MM0202B1125RJB MM0202B1150RJB MM0202B1200RJB MM0406L1200RHJB MM0404L1400RLM MC0816B1200RTB MC2040S1200JLC (Solar metering) MC3042B1200RJB MC0408B1200RT MC0816B1200JLT LG0816B1100JLT LG0816B1200JLT LG0202B1100RBC LG0202B1125RBC LG0202B1150RBC LG0202B1200RBC LG0202L1200RBC LG0816B1100RBT LG0816B1125RBT LG0816B1200RBT LG0816B1150RBT LG2040B1150RB LG2040B1200RB LG0303CS3400R LG0303CS3400RD LG0404L1400RLM LG0404L1400RLC T0816B1150RJBT T0816B1200RJBT LG0816B1400RLT LG0816B1150RJBT LG0816B1200RJBT	U5168-XTL-100-KK-BLG U5168-XTL-150-KK-BLG U5168-XTL-200-KK-BLG U5268-XTL-200-KK-BLG U5898-O-200-KK-BLG U5844-PXL-100-KK-BLG U5891-X-2/200-BLG U5844-PXL-150-KK-BLG U5844-PXL-200-KK-BLG U5890-X-2/200-BLG U5891-X-2/200-BLG U5059-X-K3L-BLG U3798-O-200-BLG U5893-X-2/200-BLG U5894-X-2/200-MLK-BLG U6227-X-400-K3L-BLG U6229-X-400-K7L-BLG U6115-X-2/200-K7L-BLG
Midwest	**Murray (Siemens)**
R281CB1AEP RS45508CAEP RS45500CAEP RS43300CAEP RS43308CAEP	JC0406L1200RHJB JC0202B1200RJB JC0202B1125RJB

American Electric Power
Customer Owned Meter Main/Combinations Specifications

Square D	**General Electric**
RC816D200CH RC816F200CH QU12L400SL	TSMR420CSCU
Cutler Hammer (Eaton)	
MBT48B125BTSBL MBT48B200BTSBL HP40SHLBL HP816P400BSLBL HP404040SHLBL MB816B200BTSBL MB2040B200BTSBL MBP200BTSBL MB816P200BTSBL MB1212L200BTSBL MBT48B200TSAPBL CMB1212L200BTS CMB2424B200BTS	**Horn bypass kit required** MBHBP kit
B-LINE	
ENCB10L24A3GR1N ENCB15L24A3GR1N ENCB20L24A3GR1N ECCB10L24A3GR1N ECCB10L27A3GR1N ELCB20L24A5GR1N ELCB20L27A5GR1N	**Horn bypass kit required** EHB125 – 125/150A EHB200 – 200/320A

Corrosive Environments

Corrosive areas are installations within 30 miles of the Texas Gulf of Mexico coast and any other area where high moisture or chemical exposure may exist such as chemical plants or water treatment plants. Enclosure shall be of aluminum construction. Bottom front lip to be continuous fold up with slot cut for stainless steel hasp. Latch, rivet, hasp and exposed hardware will be minimum 316 series stainless steel. A minimum of five welds on the back and three welds on the sides, top, and bottom.

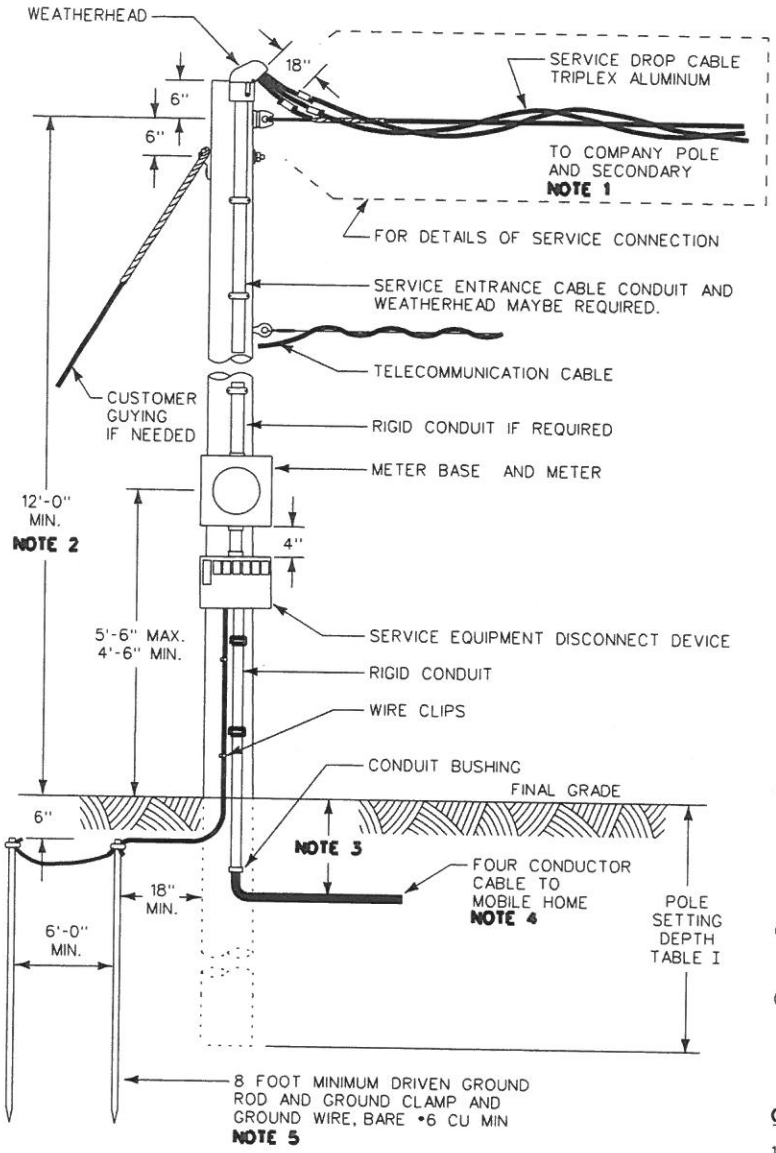


TABLE I
POLE DIMENSIONS AND SETTING DEPTH

LENGTH OF POLE (FEET)	MINIMUM SETTING DEPTH (FEET)	MINIMUM POLE CIRCUMFERENCE (INCHES)	MINIMUM POLE DIAMETER (INCHES)
		AT TOP 15"	AT TOP 4¾"
		AT GROUND LINE	AT GROUND LINE
18'	4'-0"	17 ½"	5½"
20'	4'-6"	18½"	6"
22'	4'-6"	19½"	6¼"
25'	5'-0"	20"	6½"

SEE GENERAL CONDITION NOTES FOR POWER COMPANY AND CUSTOMER RESPONSIBILITIES

GENERAL CONDITION NOTES:

THE COMPANY WILL BE RESPONSIBLE FOR:

(a) SPECIFYING THE SERVICE POLE LOCATION, AND SERVICE DROP ATTACHMENT HEIGHT. NOTE: (NEC) RECOMMENDS THAT THE SERVICE EQUIPMENT BE "IN SIGHT FROM" AND WITHIN 30' OF THE MOBILE HOME.

(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 DEVICE. TYPICAL CONFIGURATIONS SHOWN (OTHER CONFIGURATIONS AVAILABLE). THE DISCONNECT DEVICE IS TO HAVE OVERCURRENT PROTECTION AND TO BE IN A WEATHERPROOF ENCLOSURE. CUSTOMER TO SELECT U.L. LISTED EQUIPMENT BEST SUITED TO THEIR NEEDS.

(d) SECURELY MOUNT THE METER BASE IN A PLUMB POSITION. METER MUST FACE STREET OR ACCESS WALKWAY.

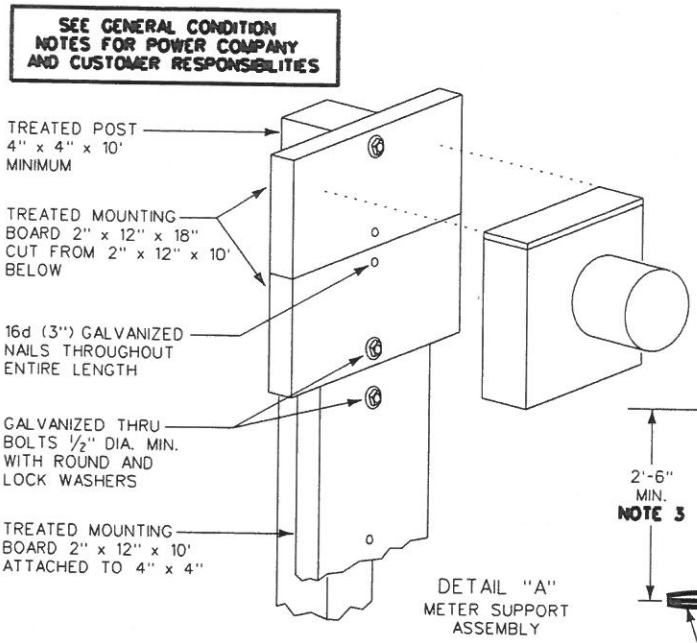
(e) PROVIDING AND SECURELY INSTALLING THE SERVICE POLE AND GUYING (IF NEEDED). SERVICE POLE IS TO BE TREATED WITH AN EPA REGISTERED PRESERVATIVE. POLE SETTING DEPTH TO BE IN ACCORDANCE WITH TABLE I.

GENERAL CONSTRUCTION NOTES:

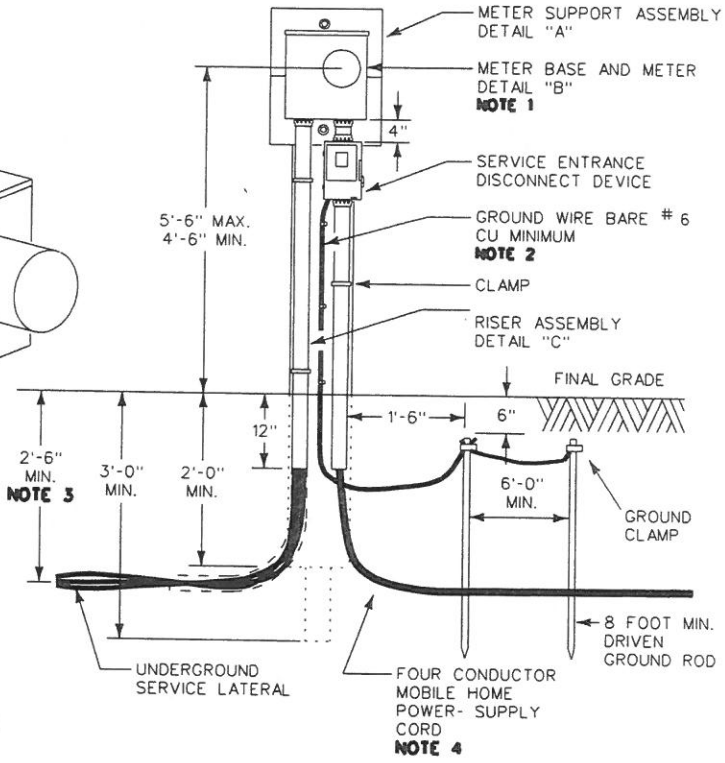
1. THIS INSTALLATION IS FOR A SINGLE MOBILE HOME ONLY, FOR MOBILE HOMES IN PARKS, REFER TO FIGURE 9.
2. THE SERVICE ATTACHMENT SHALL BE INSTALLED AT A HEIGHT THAT MAINTAINS PROPER CLEARANCES FOR SERVICE DROP CONDUCTORS, REFER TO FIGURE 5.
3. BURIAL DEPTH TO COMPLY WITH LOCAL CODES. 2'-0" MINIMUM IS CONSIDERED ADEQUATE BY NEC, ARTICLE 300-5.
4. 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.
5. CUSTOMER GROUNDING SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE. IN ARKANSAS, OKLAHOMA, LOUISIANA AND TEXAS, THE GROUND WIRE SHALL BE CONNECTED IN THE METER SOCKET. THE CUSTOMER SHALL HAVE A MINIMUM OF 2 DRIVEN GROUND RODS AT LEAST 6 FEET APART.

SINGLE MOBILE HOME OVERHEAD SERVICE
FIGURE 4

DEC 31, 2018



DETAIL "A"
METER SUPPORT ASSEMBLY



GENERAL CONDITION NOTES:

THE POWER COMPANY WILL BE RESPONSIBLE FOR:

(a) SPECIFYING THE SERVICE POST LOCATION. NOTE: THE NATIONAL ELECTRICAL CODE (NEC) RECOMMENDS THAT THE SERVICE EQUIPMENT BE "IN SIGHT FROM" AND WITHIN 30 FEET OF THE MOBILE HOME. FOR RECREATIONAL VEHICLE SITE, REFER TO ARTICLE 551.77 OF THE NEC.

(b) INSTALLING AND REMOVING THE METER.

(c) PROVIDING AND INSTALLING THE UNDERGROUND SERVICE LATERAL IN SERVICE TERRITORIES WHERE REQUIRED.

THE CUSTOMER WILL BE RESPONSIBLE FOR:

(a) PROVIDING GROUNDING IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND LOCAL REGULATIONS. GROUND SHALL BE CONNECTED IN METER ENCLOSER OR CUSTOMER SWITCH.

(b) PROVIDING AND SECURELY INSTALLING THE METER POST AND EQUIPMENT MOUNTING BOARD WITH THE FOLLOWING REQUIREMENTS:

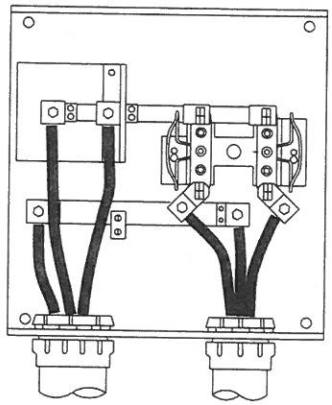
1. TREATED WITH AN EPA REGISTERED PRESERVATIVE.
2. METER POST WITH DIMENSIONS AS SHOWN, WITH THE TOP CUT AT ANGLE AWAY FROM MOUNTING BOARD FOR WATER DRAINAGE.
3. EQUIPMENT MOUNTING BOARD WITH DIMENSIONS AS SHOWN, FOR MOUNTING THE METERING AND SERVICE EQUIPMENT DEVICES. MOUNTING BOARD TO BE NAILED (SIZE 20d) TO METER POST EVERY 16 INCHES WITH ADDITIONAL THRU BOLTS LOCATED AS SHOWN. SERVICE ENTRANCE CONDUCTORS OR CABLES NOT TO EXIT THROUGH REAR OF METER BASE.
4. SECURELY MOUNTING THE METER BASE IN A LEVEL AND PLUMB POSITION. METER MUST FACE STREET OR ACCESS WALKWAY.

(c) PROVIDING AND INSTALLING THE SERVICE EQUIPMENT DISCONNECT DEVICE. TYPICAL CONFIGURATION SHOWN (OTHER CONFIGURATIONS AVAILABLE). THE DISCONNECT DEVICE IS TO HAVE OVER CURRENT PROTECTION AND TO BE IN A WEATHERPROOF ENCLOSURE. CUSTOMER TO SELECT NEC APPROVED EQUIPMENT BEST SUITED TO THEIR NEEDS.

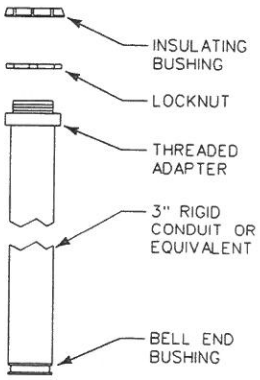
(d) PROVIDING AND SECURELY INSTALLING THE SERVICE LATERAL CONDUIT, SERVICE ENTRANCE CONDUIT AND POWER- SUPPLY CORD IN ACCORDANCE WITH NEC AND LOCAL CODES. NON- METALLIC CONDUIT PERMITTED IF INSTALLED IN ACCORDANCE WITH ARTICLE 352 OF THE NEC AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

GENERAL CONSTRUCTION NOTES:

1. THIS INSTALLATION IS ALSO FOR MOBILE HOMES IN PARKS.
2. CUSTOMER IS TO SIZE GROUND WIRE ACCORDING TO NEC REQUIREMENTS. THE CUSTOMER SHALL HAVE A MINIMUM OF 2 DRIVEN GROUND RODS AT LEAST 6 FEET APART.



DETAIL "B"
METER BASE



DETAIL "C"
RISER ASSEMBLY

3. BURIAL DEPTH IS THE DISTANCE BETWEEN FINAL GRADE AND THE TOP OF THE BURIED CABLE OR CONDUIT. THE POWER COMPANY SHALL SPECIFY THE REQUIRED BURIAL DEPTH TO CONFORM TO LOCAL REQUIREMENTS. THE BURIAL DEPTH SHALL NOT BE LESS THAN 2'-6". ARKANSAS, OKLAHOMA, LOUISIANA, AND TEXAS SHALL NOT BE LESS THAN 3'. IF ADDITIONAL CONDUIT IS REQUIRED TO CLEAR OBSTRUCTIONS, REFER TO POWER COMPANY FOR APPROVED USAGE.
4. BURIAL DEPTH TO COMPLY WITH LOCAL CODES. 2'-0" MIN. IS CONSIDERED ADEQUATE BY ARTICLE 300-5 OF THE NEC. 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 CONDUCTORS ARE BONDED TOGETHER ONLY ON THE SUPPLY SIDE OF THE SERVICE DISCONNECT DEVICE. REFER TO ARTICLE 550 OF THE NEC - GROUNDING.

SINGLE MOBILE HOME UNDERGROUND SERVICE
FIGURE 9

DEC 31, 2018

A Word About Safety...

In addition to our rules contained in this booklet, we also offer some safety recommendations and requirements for customer consideration.

First, we recommend that only qualified electricians attempt to install, repair or perform maintenance on electrical facilities. Only Company employees may perform disconnection of service entrance equipment from the service wires. Customers or their electricians must not attempt this or any subsequent reconnection. Call us if this type of work is required on your facility.

Second, we require that antennas, lead-in conductors and guys shall not be attached to the service mast or to poles or similar structures carrying electrical conductors. In addition, we strongly recommend that any antenna be installed at least one and one half times its height away from our lines.

Third, fallen wires should always be considered "live," or energized, and dangerous. Do not touch these wires and keep other people away from them. Immediately notify the American Electric Power Customer Solutions Center.

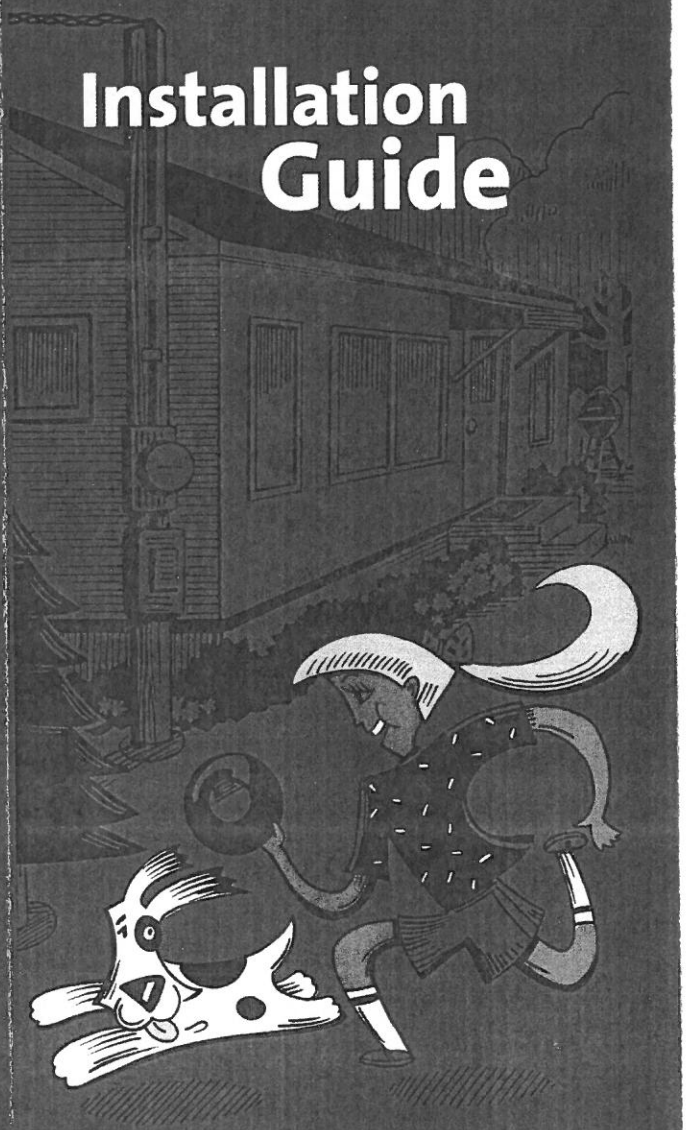
If our wires have fallen on a parked automobile, do not touch any part of the automobile or metal objects near by. Keep other people away. Instruct occupants to stay in the auto until an American Electric Power crew has removed the wires. If an auto is on fire, instruct the occupants to jump clear of it while keeping both feet together and rolling forward. At no time should contact be made with the automobile and the ground at the same time.

Fourth, we recommend that customers use extreme caution in moving ladders, scaffolds, cranes, and booms near our lines. Contact between our line and one of those items could result in death or serious injury to people who may be near or touching the equipment.

Fifth, we recommend that trees and shrubs be planted away from our lines, poles, and other equipment to prevent interruption of service.

Finally, there are strict regulations governing the construction of buildings or swimming pools under our electrical facilities, lines or equipment, please contact AEP if you have any questions concerning these regulations.

MOBILE HOME
Electrical Service
Installation Guide

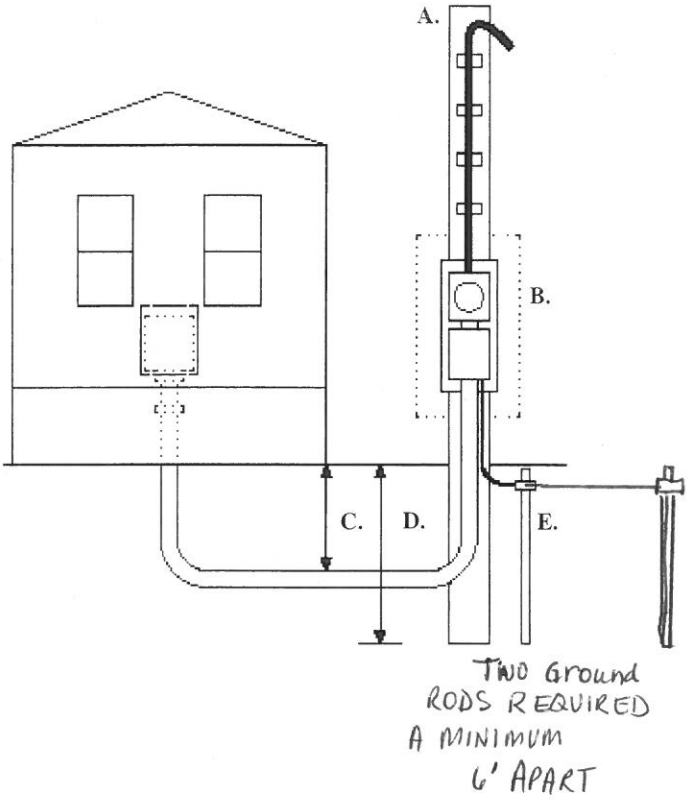


AEP AMERICAN® ELECTRIC POWER

Help Us Help You

So that we may better serve you, it is important that you are aware of the following:

- Service pole is to be located on the side of the mobile home closest to AEP facilities.
- Service conductors crossing mobile homes are not recommended.
- Clear and maintain the right of way for the service drop.
- Depending on the distance from existing AEP facilities, additional requirements and/or charges may be necessary.



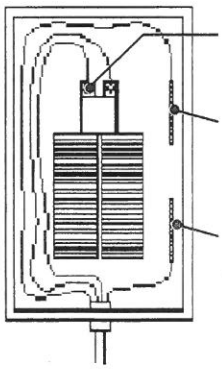
Size of entrance cable from 2002 NEC

Switch Box Size	Size of cable
100-amp	#4 cu. or #2 al.
150-amp	1/0 cu. or 2/0 al.
200-amp	2/0 cu. or 4/0 al.

Size of ground conductor Entrance size	Ground wire size
1 to 1/0 cu.	#6 cu.
2/0 to 3/0 al.	#6 cu.
2/0 to 3/0 cu.	#4 cu.
4/0 to 250 mcm al	#4 cu.

Size of conduit	
100-amp	1 inch
200-amp	2 inch

Equipment grounding conductor
Minimum #6 cu. with green insulation.

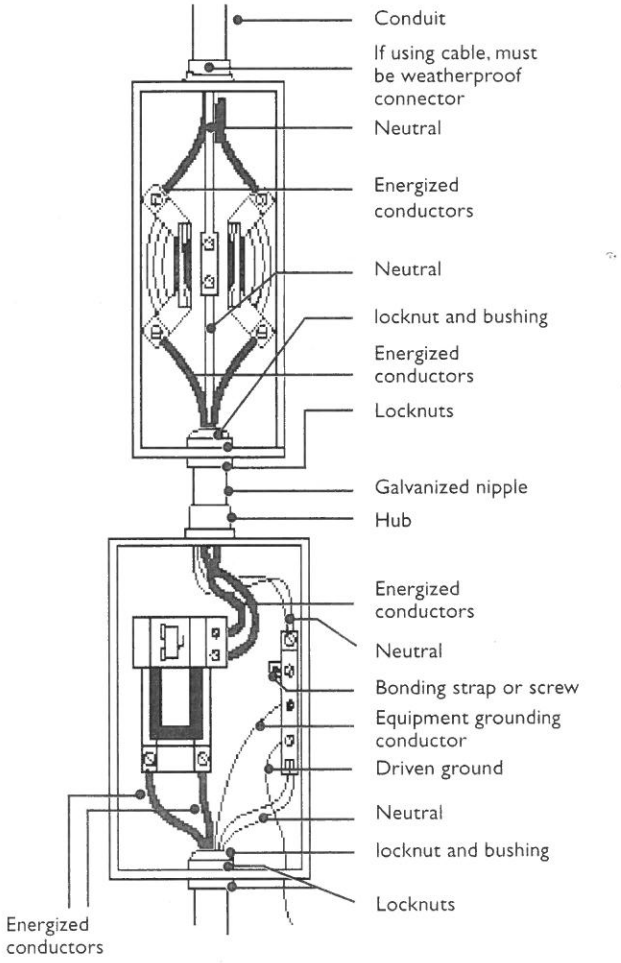


1. Main Breaker
Line conductors to be connected to main breaker.

2. Neutral Bar
Neutral conductor to be connected with white wires on neutral bar.

3. Equipment Ground Bar
Green equipment grounding conductor **(4th wire)** to be connected with bare wires on equipment grounding bar.

4. Receptacle
A receptacle for an outside building may be required. Check the National Electrical Code or with an inspector.



A. Pole is to be furnished and installed by the customer. The pole must be:

a) Commercially treated.
b) Minimum 6" diameter at ground line; 5" at the top.
c) Tall enough to provide 12' clearance for service drop – minimum 20' pole is recommended. (Clearance must be increased to 18' if service drop crosses area subject to truck traffic – minimum 25' pole recommended.) Larger poles may be needed because of terrain.

B. Treated 2" x 10" or larger solid wood board (not plywood). Equipment may be mounted directly to the pole. (See diagram at left)

A mast is required in TN, optional in other states: Conduit with a weather head to be used up the pole. Provide at least 2 ft. of service conductors which project from the service head any time a mast is installed.

Except in TN, install entrance cable to top of pole. See chart for size. Space cable straps 30" apart. Leave 24" of cable for drip loop. (Cable must be strapped within 12" of meter base.) A manufactured weatherproof hub connector must be used.

Setting Depth of Poles in Soil

Length of pole (feet)	Setting depth (feet)	Minimum diameter in inches at top = 5 inches At Ground Line	
		S.Y., Pine	W.R. Cedar
18'	4'	6"	6 1/2"
20'	4 1/2'	6"	6 1/2"
22'	4 1/2'	6 1/4"	7"
25'	5'	6 1/2"	7"
30'	5 1/2'	7"	7 1/2"

C. Remember to tamp the back fill material as the hole is being filled. Bracing or guying may be required.

D. Conduit is required to a depth of 18" below grade from disconnect. Check the National Electric Code for conduit requirements from disconnect. Trench depth to be a minimum 24" deep.

E. Ground wire must come from disconnect panel (not meter base). It should come through separate hole in bottom of disconnect extending down toward the ground rod. Ground rod and ground connection should be below finished grade. 5/8" x 8' copper clad ground rod and clamp.

F. Refer to the latest NEC for most current dimensions and requirements.

We're Here to Help

At American Electric Power Company, we take pride in serving the communities in which we live. If we can provide any assistance, please let us know ...we want to help!

Please contact American Electric Power as soon as possible to apply for electric service. The sooner you contact us the better we can serve your electrical needs.

To Request Service or for Additional Information

Please contact our convenient Customer Solutions Center in your area.

Kentucky	1-800-572-1113
Tennessee	1-800-967-4237
Virginia	1-800-956-4237
West Virginia	1-800-982-4237

Or visit our web site at: www.aep.com

PLEASE OBTAIN ALL NECESSARY INSPECTIONS AND PERMITS. PLEASE NOTIFY AEP WHEN READY FOR SERVICE.

If You Need --

- **Additional Wiring Information**
  Call a qualified electrician or electrical inspector. Check the current version of the National Electric Code (NEC) for electrical wiring requirements.

- **Service Location Information**
  It is important to install your service equipment and service attachment point in the correct location. Please contact AEP before mounting any service equipment. We will show you a location to keep your costs as low as possible.

- **Electrical Inspection Information**
  An inspection may be required in your area before your service may be connected. Please check with your local municipality or governing body to see if you are in an inspection area.

- **Help us Contact You**
  Please provide us with your daytime telephone number, cellular telephone number, pager number or e-mail address so you may be contacted.

- **About This Brochure**
  This brochure is for informational purposes only. AEP does not warrant that the information is in every respect accurate and makes no warranties regarding results from the usage of this brochure. AEP shall have neither liability nor responsibility to any person or entity with respect to any loss or damage caused, or alleged to be caused, directly or indirectly by the information contained herein.

DOUBLEWIDE MOBILE HOME OVERHEAD SERVICE INSTALLATION

You will find in Illustration 5, the general requirements for a doublewide overhead service mast installation. The service may be attached to the doublewide unless otherwise specified by the manufacturer.
Listed below are amendments to the illustration that you will need to make note of:

1. An outside disconnect will not be required if the distance is less than 12' from the point where the conduit is stubbed through the floor to the point it turns up into the meter.
    a. If a disconnect is not installed then the system is treated as a 3 wire, which may require a bond screw from the isolated neutral to the ground bar.
    b. The service entrance conductor will need to be installed in conduit unless otherwise permitted by the National Electrical Code.

2. Install two (2) ground rods, 6' apart and will need to be interconnected.

3. An outside disconnect shall be required if the distance is over 12' and the system will be treated as a 4 wire installation.

DOUBLEWIDE MOBILE HOME UNDERGROUND SERVICE INSTALLATION

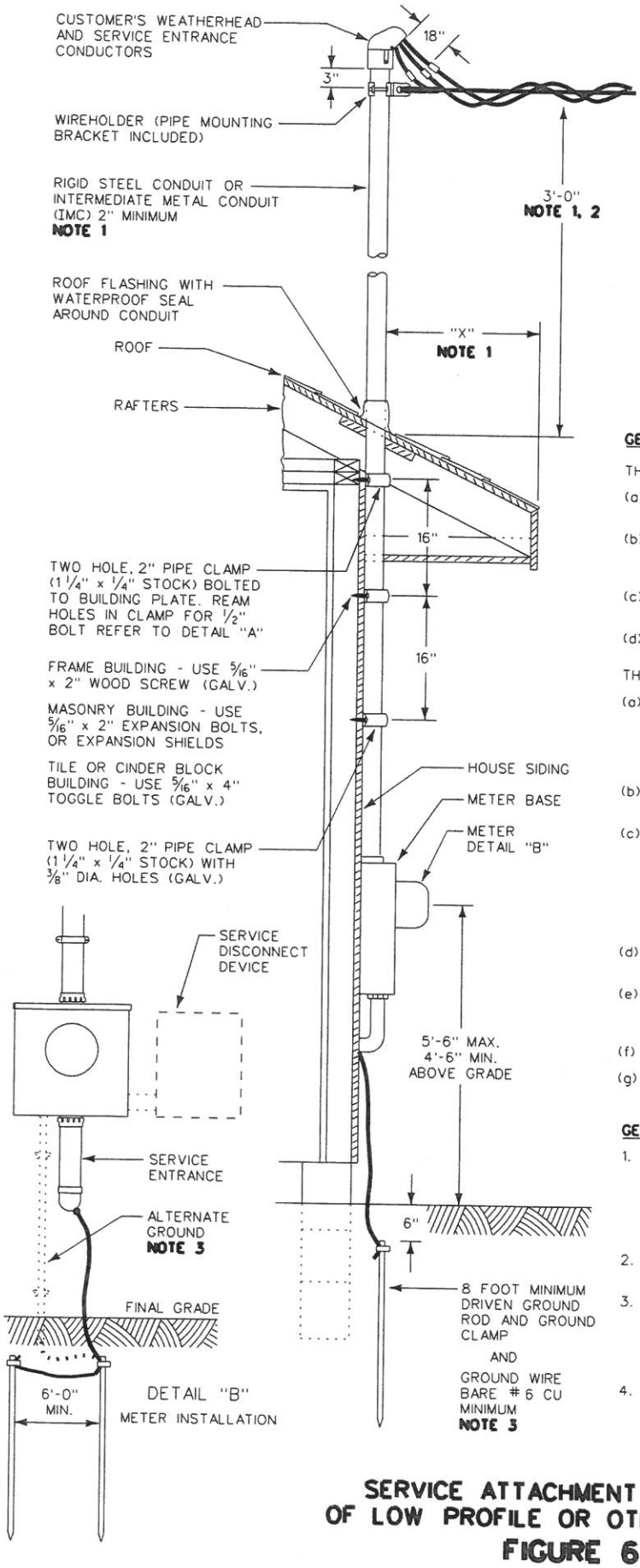
You will find in Illustration 7, the general requirements for a doublewide underground service installation. The service may be attached to the doublewide unless otherwise specified by the manufacturer.
Listed below are amendments to the illustration that you will need to make note of:

1. An outside disconnect will not be required if the distance is less than 12' from the point where the conduit is stubbed through the floor to the point it turns up into the meter.
    a. If a disconnect is not installed then the system is treated as a 3 wire, which may require a bond screw from the isolated neutral to the ground bar.
    b. The service entrance conductor will need to be installed in conduit unless otherwise permitted by the National Electrical Code.

2. Install two (2) ground rods, 6' apart and will need to be interconnected.

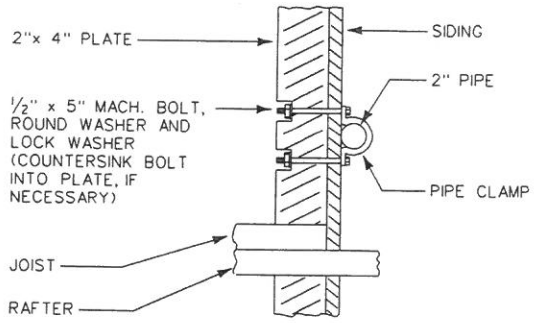
3. An outside disconnect shall be required if the distance is over 12' and the system will be treated as a 4 wire installation.

FOR FURTHER DETAILS SEE AEP MANUFACTURED HOME ELECTRIC SERVICE INSTALLATION GUIDE AS FOUND HEREIN.



DETAIL "B"
METER INSTALLATION

SEE GENERAL CONDITION NOTES FOR POWER COMPANY AND CUSTOMER RESPONSIBILITIES



DETAIL "A"
METHOD OF ATTACHING
2" PIPE TO BUILDING PLATE

GENERAL CONDITION NOTES:

THE COMPANY WILL BE RESPONSIBLE FOR:

(a) DESIGNATING THE LOCATION OF THE SERVICE MAST AND THE METER.

(b) PROVIDING AND INSTALLING THE OVERHEAD SERVICE DROP. THE SERVICE DROP TENSION IS TO BE LIMITED TO 500 LBS. UNDER LOADED CONDITIONS.

(c) PROVIDING THE METER BASE TO THE CUSTOMER WHERE REQUIRED.

(d) INSTALLING AND REMOVING THE METER.

THE CUSTOMER WILL BE RESPONSIBLE FOR:

(a) PROVIDING AND INSTALLING THE WEATHER HEAD, SERVICE MAST, ROOF FLASHING, BUILDING PLATE ATTACHMENT, BUILDING ATTACHMENTS AND SERVICE ENTRANCE CONDUCTORS. SERVICE ENTRANCE CONDUCTORS SHALL PROJECT FROM WEATHERHEAD A MINIMUM OF 18 INCHES.

(b) PROVIDING A MAST SUPPORT STRONG ENOUGH TO WITHSTAND THE STRAIN IMPOSED BY THE SERVICE DROP.

(c) INSTALLING MAST PIPE THROUGH A 2-3/8" DIA. HOLE IN A 2" x 12" MIN. BLOCK SOLIDLY BETWEEN RAFTERS - USE 3/8" x 4" WOOD SCREWS, FOUR ON EACH SIDE. MINIMUM ALLOWABLE SEPARATION BETWEEN ROOF AND SERVICE ATTACHMENTS MAY BE 1'-6", IF DIMENSION "X" IS 4'-0" OR LESS. MAXIMUM CONDUCTOR FILL IN 2" PIPE IS 3-4/0 CONDUCTORS OR SERVICE ENTRANCE CABLE EQUIVALENT.

(d) PROVIDING AND INSTALLING THE GROUND ROD, GROUND CLAMP AND GROUND WIRE.

(e) PROVIDING, INSTALLING AND MAKING METER CONNECTIONS FOR THE SERVICE ENTRANCE CONDUCTORS OR CABLE. SERVICE ENTRANCE CONDUCTORS.

(f) SECURELY MOUNT THE METER BASE IN A PLUMB POSITION.

(g) INSTALLATION OF EQUIPMENT TO BE IN ACCORDANCE WITH COMPANY STANDARDS AND/OR LOCAL ORDINANCES OR CODES.

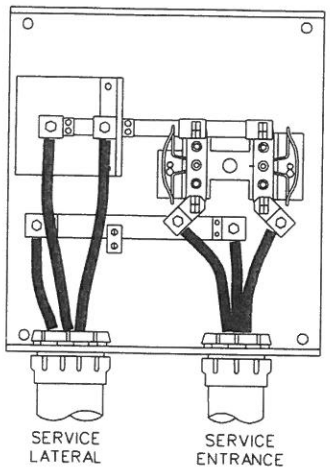
GENERAL CONSTRUCTION NOTES:

1. SERVICE MAST TO BE USED WHERE IT IS IMPOSSIBLE TO ATTACH WIREHOLDERS TO THE BUILDING WALL AND MAINTAIN PROPER CLEARANCE ACCORDING TO FIG. 4. FOR PROPER ROOF TO SERVICE ATTACHMENT CLEARANCES, REFER TO CUSTOMER RESPONSIBILITY (c). ONLY POWER SERVICE CONDUCTORS ARE ALLOWED TO CONTACT THE SERVICE MAST, NEC (230-28).
2. MINIMUM HEIGHT OF 18", MAXIMUM HEIGHT OF 36" WITHOUT GUYING.
3. CUSTOMER GROUNDING SHALL BE IN ACCORDANCE WITH NEC AND LOCAL REGULATIONS. IN ARKANSAS, OKLAHOMA, LOUISIANA AND TEXAS, THE GROUND WIRE SHALL BE CONNECTED IN THE METER SOCKET. THE CUSTOMER SHALL HAVE A MINIMUM OF 2 DRIVEN GROUND RODS AT LEAST 6 FEET APART.
4. METER SOCKET USED ON COMMERCIAL CUSTOMER SHALL HAVE A LEVER OPERATED BY-PASS FOR THREE PHASE AND SINGLE PHASE.

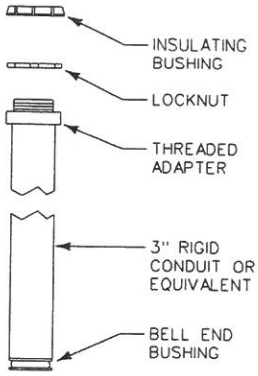
SERVICE ATTACHMENT TO MAST OF LOW PROFILE OR OTHER BUILDING

FIGURE 6

OCT 4, 2017

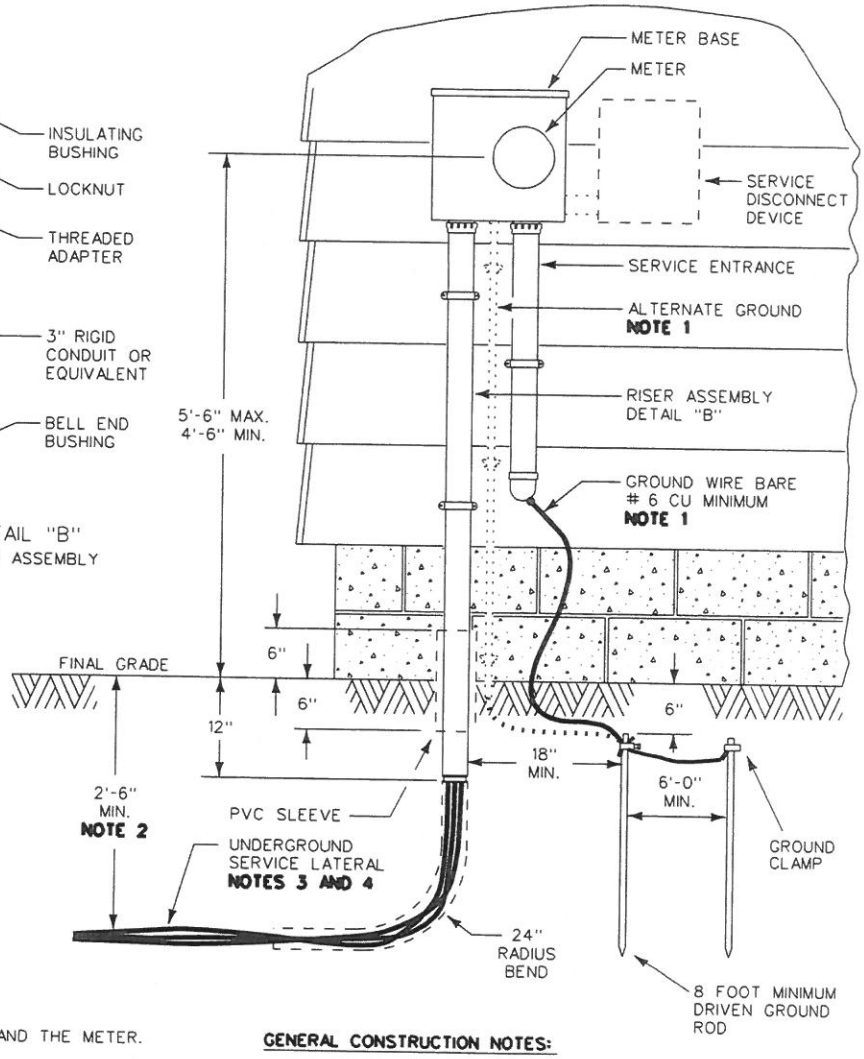


DETAIL "A"
METER BASE



DETAIL "B"
RISER ASSEMBLY

SEE GENERAL CONDITION NOTES FOR POWER COMPANY AND CUSTOMER RESPONSIBILITIES



GENERAL CONDITION NOTES:

THE COMPANY WILL BE RESPONSIBLE FOR:

(a) DESIGNATING THE LOCATION FOR THE TRENCH AND THE METER.

(b) PROVIDING AND INSTALLING THE UNDERGROUND SERVICE LATERAL IN SERVICE TERRITORIES WHERE REQUIRED.

(c) PROVIDING THE METER BASE TO THE CUSTOMER WHERE REQUIRED.

(d) INSTALLING AND REMOVING THE METER.

(e) MAKING THE CONNECTIONS IN THE METER BASE FOR THE UNDERGROUND SERVICE LATERAL (DETAIL A).

THE CUSTOMER WILL BE RESPONSIBLE FOR:

(a) PROVIDING AND INSTALLING THE RISER ASSEMBLY. RISER ASSEMBLY TO CONSIST OF AN INSULATING BUSHING, LOCKNUT, THREADED ADAPTER, GALVANIZED OR SCHEDULE 80 PVC CONDUIT WITH BELL END AND CLAMP.

(b) PROVIDING AND INSTALLING THE GROUND ROD, GROUND CLAMP AND GROUND WIRE.

(c) PROVIDING, INSTALLING AND MAKING METER CONNECTIONS FOR THE SERVICE ENTRANCE CABLE.

(d) SECURELY MOUNT THE METER BASE IN A PLUMB POSITION.

(e) INSTALLING A PVC SLEEVE WITH AN INNER DIAMETER 1/4 INCH LARGER THAN THE RISER ASSEMBLY. THIS PVC SLEEVE IS TO BE INSTALLED WHEN CONCRETE OR ASPHALT IS TO BE INSTALLED AROUND THE RISER ASSEMBLY.

(f) INSTALLATION OF EQUIPMENT TO BE IN ACCORDANCE WITH POWER COMPANY STANDARDS AND/OR LOCAL ORDINANCES OR CODES.

GENERAL CONSTRUCTION NOTES:

1. CUSTOMER GROUNDING SHALL BE IN ACCORDANCE WITH NEC AND LOCAL REGULATIONS. IN ARKANSAS, OKLAHOMA, LOUISIANA, AND TEXAS, THE GROUND WIRE SHALL BE CONNECTED IN THE METER SOCKET IN CONDUIT WHERE REQUIRED. THE CUSTOMER SHALL HAVE A MINIMUM OF 2 DRIVEN GROUND RODS AT LEAST 6 FEET APART.
2. BURIAL DEPTH IS THE DISTANCE BETWEEN FINAL GRADE AND THE TOP OF THE BURIED CABLE OR CONDUIT. THE POWER COMPANY SHALL SPECIFY THE REQUIRED BURIAL DEPTH TO CONFORM TO LOCAL REQUIREMENTS. THE BURIAL DEPTH SHALL NOT BE LESS THAN 2'-6". ARKANSAS, OKLAHOMA, LOUISIANA, AND TEXAS SHALL NOT BE LESS THAN 3'.
3. IF THE CUSTOMER DOES THE TRENCHING, THE TRENCH IS TO EXTEND NO CLOSER TO THE POWER COMPANY'S TRANSFORMER OR PEDESTAL THAN A DISTANCE SPECIFIED BY THE POWER COMPANY. CUSTOMER TO DETERMINE LOCATION OF ALL UTILITIES BEFORE TRENCHING.
4. ADDITIONAL PVC CONDUIT AND A 24 INCH BEND MAY BE INSTALLED IN ORDER TO EXTEND CONDUIT BEYOND ANY GROUND LEVEL OBSTRUCTION (PATIO, DECK, DRIVEWAY, WALKWAY, ETC.). IF ADDITIONAL PVC CONDUIT IS REQUIRED TO CLEAR OBSTRUCTIONS, REFER TO POWER COMPANY FOR APPROVED PVC USAGE.
5. METER SOCKET USED ON COMMERCIAL CUSTOMER SHALL HAVE A LEVER OPERATED JAW RELEASE BY-PASS FOR THREE PHASE AND SINGLE PHASE.

SINGLE PHASE UNDERGROUND SERVICE METER INSTALLATION

FIGURE 8

DEC 31, 2018

A Word About Safety...

In addition to our rules contained in this booklet, we also offer some safety recommendations and requirements for customer consideration.

First, we recommend that only qualified electricians attempt to install, repair or perform maintenance on electrical facilities. Only Company employees may perform disconnection of service entrance equipment from the service wires. Customers or their electricians must not attempt this or any subsequent reconnection. Call us if this type of work is required on your facility.

Second, we require that antennas, lead-in conductors and guys shall not be attached to the service mast or to poles or similar structures carrying electrical conductors. In addition, we strongly recommend that any antenna be installed at least one and one half times its height away from our lines.

Third, fallen wires should always be considered "live," or energized, and dangerous. Do not touch these wires and keep other people away from them. Immediately notify the American Electric Power Customer Solutions Center.

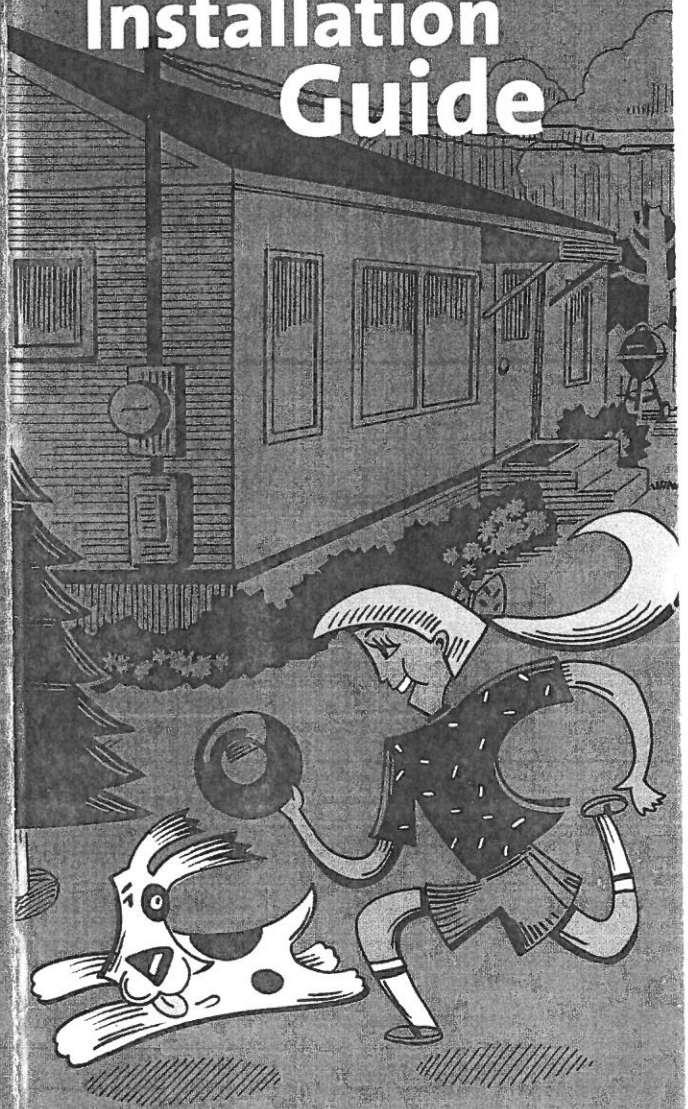
If our wires have fallen on a parked automobile, do not touch any part of the automobile or metal objects near by. Keep other people away. Instruct occupants to stay in the auto until an American Electric Power crew has removed the wires. If an auto is on fire, instruct the occupants to jump clear of it while keeping both feet together and rolling forward. At no time should contact be made with the automobile and the ground at the same time.

Fourth, we recommend that customers use extreme caution in moving ladders, scaffolds, cranes, and booms near our lines. Contact between our line and one of those items could result in death or serious injury to people who may be near or touching the equipment.

Fifth, we recommend that trees and shrubs be planted away from our lines, poles, and other equipment to prevent interruption of service.

Finally, there are strict regulations governing the construction of buildings or swimming pools under our electrical facilities, lines or equipment, please contact AEP if you have any questions concerning these regulations.

MANUFACTURED HOME
Electrical Service
Installation Guide



AEP AMERICAN® ELECTRIC POWER

Service on Manufactured Homes

1. You may not be allowed to install a meter base on a manufactured home in your area. Please check with your local governing body, inspection agency, and AEP for requirements in your area.

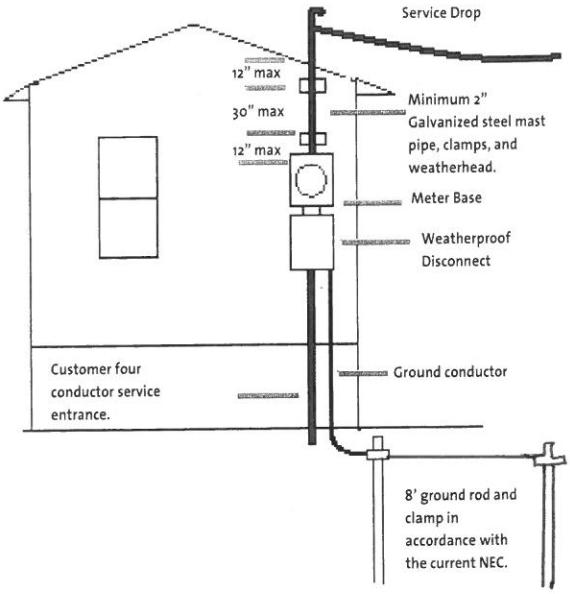
2. A meter base is not permitted to be installed on a single wide mobile home. Please see our installation guide entitled **"Mobile Home Electrical Service Installation Guide."**

3. Please check with an AEP representative for proper location of meter base and electrical equipment before installing any electrical equipment on the manufactured home.

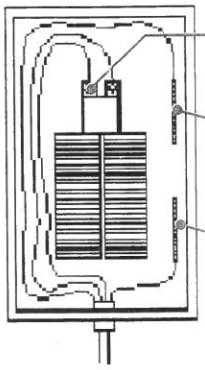
4. Before electrical equipment may be installed on a manufactured home, the home must meet the requirements set forth in the current NEC section 550 and the Housing and Urban Development Construction Standards.

5. The manufactured home must be capable of supporting the electrical service conductors and equipment. The electrical service conductors and equipment must be properly secured to the home.

6. Refer to the latest NEC for the most current dimensions and requirements.



TWO GROUND RODS REQUIRED A MINIMUM of 6' APART

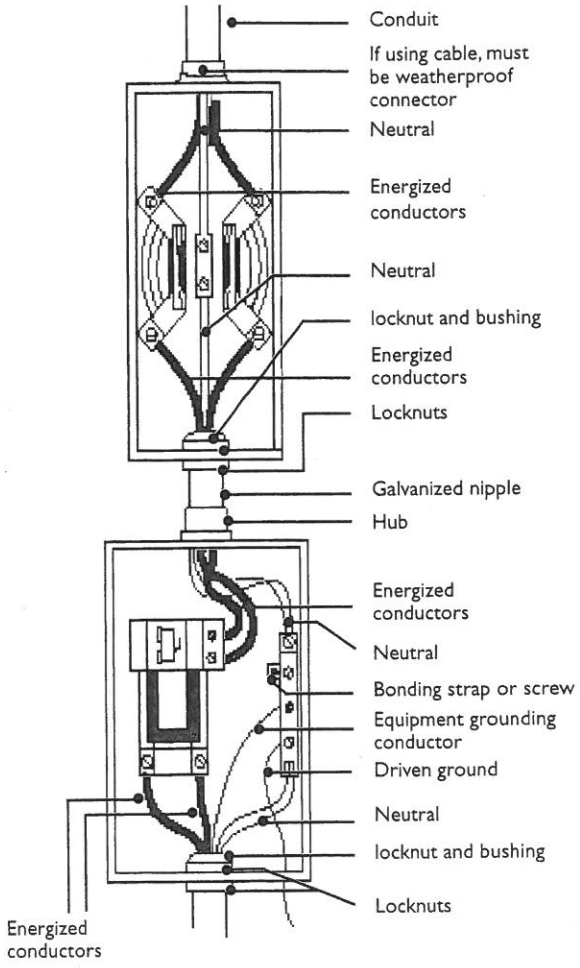


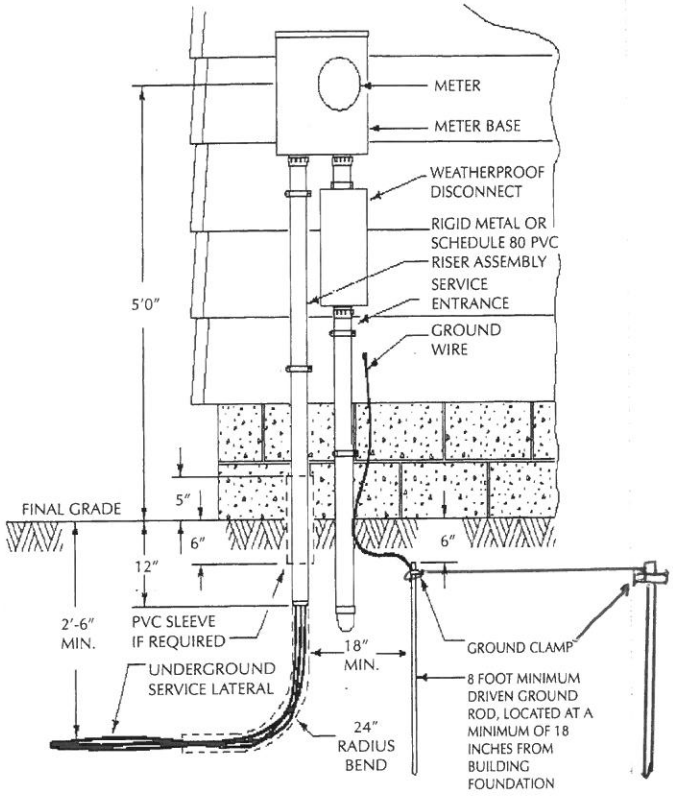
1. **Main Breaker**
Line conductors to be connected to main breaker.

2. **Neutral Bar**
Neutral conductor to be connected with white wires on neutral bar.

3. **Equipment Ground Bar**
Green equipment grounding conductor (4th wire) to be connected with bare wires on equipment grounding bar.

4. **Receptacle**
A receptacle for an outside building may be required. Check the National Electrical Code or with an inspector.





Size of entrance cable from 2002 NEC

Switch Box Size	Size of cable
100-amp	#4 cu. or #2 al.
150-amp	1/0 cu. or 2/0 al.
200-amp	2/0 cu. or 4/0 al.

Size of ground conductor

Entrance size	Ground wire size
1 to 1/0 cu.	#6 cu.
2/0 to 3/0 al.	#6 cu.
2/0 to 3/0 cu.	#4 cu.
4/0 to 250 mcm al	#4 cu.

Size of conduit	
100-amp	1 inch
200-amp	2 inch

Equipment grounding conductor
Minimum #6 cu. with green insulation.

We're Here to Help

At American Electric Power Company, we take pride in serving the communities in which we live. If we can provide any assistance, please let us know ...we want to help!

Please contact American Electric Power as soon as possible to apply for electric service. The sooner you contact us the better we can serve your electrical needs.

To Request Service or for Additional Information

Please contact our convenient Customer Solutions Center in your area.

Kentucky	1-800-572-1113
Tennessee	1-800-967-4237
Virginia	1-800-956-4237
West Virginia	1-800-982-4237

Or visit our web site at: www.aep.com

PLEASE OBTAIN ALL NECESSARY INSPECTIONS AND PERMITS. PLEASE NOTIFY AEP WHEN READY FOR SERVICE.

If You Need --

- **Additional Wiring Information**
  Call a qualified electrician or electrical inspector. Check the current version of the National Electric Code (NEC) for electrical wiring requirements.

- **Service Location Information**
  It is important to install your service equipment and service attachment point in the correct location. Please contact AEP before mounting any service equipment. We will show you a location to keep your costs as low as possible.

- **Electrical Inspection Information**
  An inspection may be required in your area before your service may be connected. Please check with your local municipality or governing body to see if you are in an inspection area.

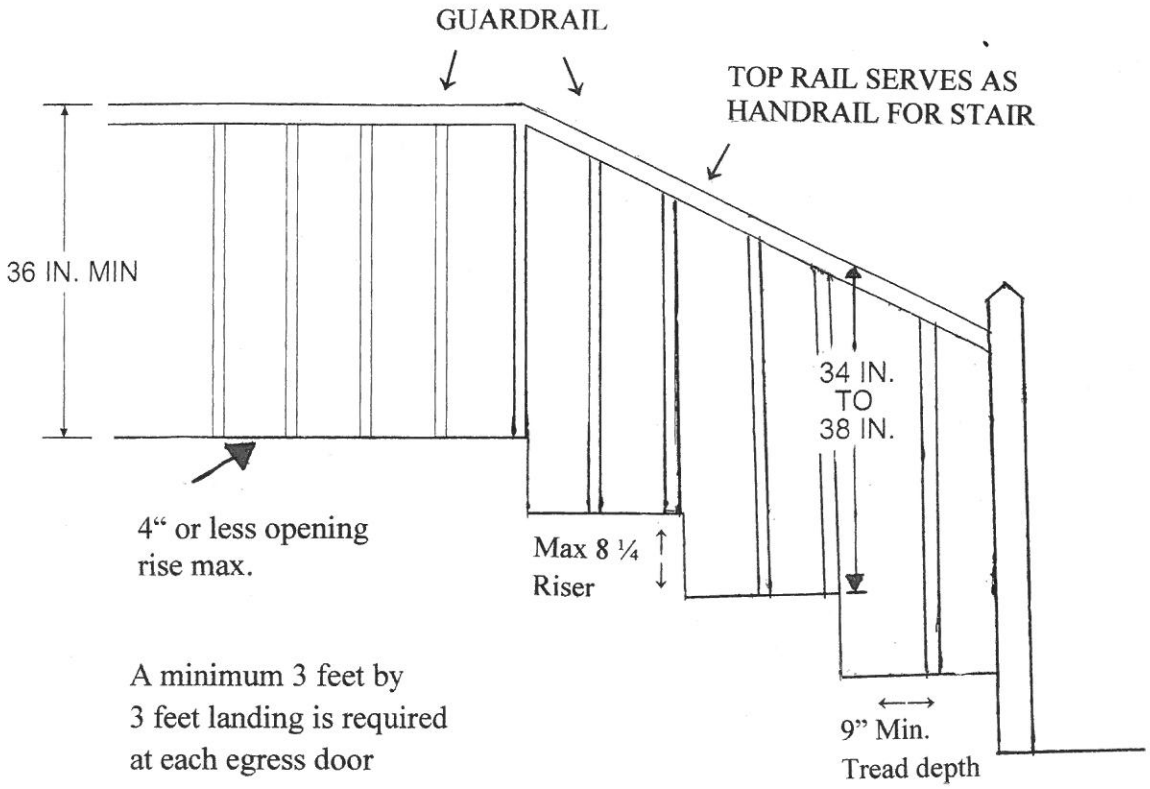
- **Help us Contact You**
  Please provide us with your daytime telephone number, cellular telephone number, pager number or e-mail address so you may be contacted.

- **About This Brochure**
  This brochure is for informational purposes only. AEP does not warrant that the information is in every respect accurate and makes no warranties regarding results from the usage of this brochure. AEP shall have neither liability nor responsibility to any person or entity with respect to any loss or damage caused, or alleged to be caused, directly or indirectly by the information contained herein.

FOR RESIDENTIAL USE ONLY

Porches located more than 30" (inches) above grade shall have guardrails 36" in height. Open sides of porches and steps shall have intermediate rails which will not allow passage of an object 4" or more in diameter.

The Handgrip portion of the handrails shall not be more than 2 ¾ inches gripping surface, with a minimum of 1 ¼ gripping surface, and be continuous the full length of the flight.



The landing over which a door does not swing shall be located not more than 1 ½ inches below the threshold level. The landing over which the door swings shall be located not more than 7 ½ inches below the threshold.