

100 AMP RESIDENTIAL HOME SERVICE ENTRANCE REQUIREMENTS

RESIDENTIAL HOME REQUIREMENTS

1. A PERMANENT DWELLING STRUCTURE EITHER ON CONCRETE BLOCKS OR ON CONCRETE SLAB.
2. STRUCTURE MUST BE A NON-COMMERCIAL UNIT FOR A SINGLE FAMILY DWELLING.
3. NO WHEELS OR AXLES THAT CAN MAKE THE STRUCTURE MOBILE.

ELECTRICAL SERVICE ENTRANCE SPECIFICATIONS

ALL WIRES MUST BE THE CORRECT SIZE AND MUST BE COOPER.

TWO-#2 BLACK HOT LEGS

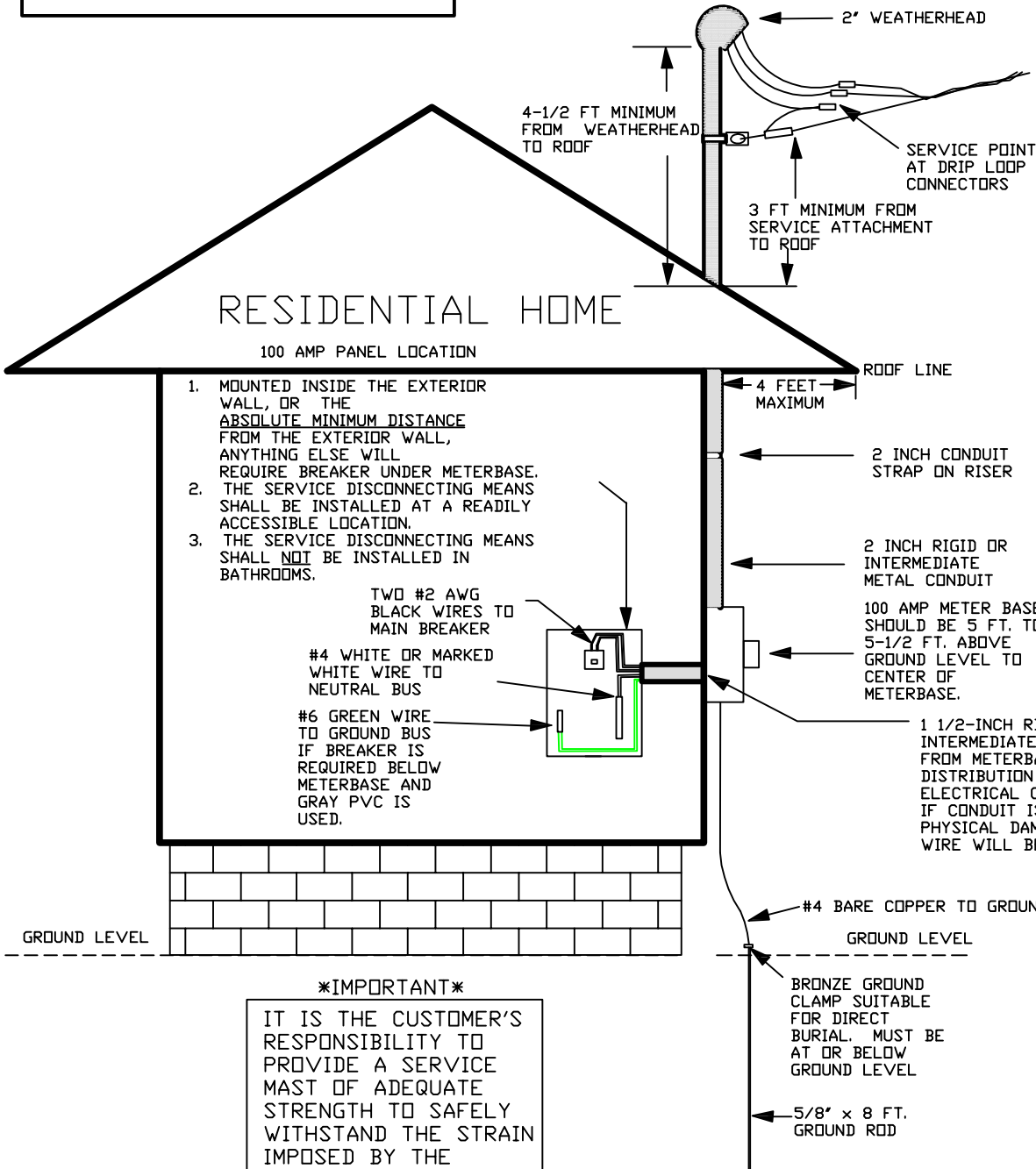
ONE-#4 WHITE OR MARKED WHITE NEUTRAL

DRIP LOOP WIRES MUST BE 18 INCHES OR LONGER OUTSIDE OF WEATHERHEAD.

WEATHERHEAD AND EXPOSED SERVICE CONDUCTORS MUST BE LOCATED AT LEAST 3 FEET FROM DOOR OR WINDOW. THE METERBASE MUST BE LOCATED AT LEAST 3 FEET FROM HINGED SIDE OF DOOR.

MUST MAINTAIN A MINIMUM OF 10 FOOT CLEARANCE FROM GROUND LEVEL TO DRIP LOOP IF THE WEATHERHEAD QUALIFIES TO BE MOUNTED BELOW EAVE OF ROOF.

IF THE RIGID CONDUIT RISER PIPE IS TO BE EXTENDED OR SPLICED, THE JOINT MUST BE LOCATED BELOW THE ROOF LINE AND A ADDITIONAL CONDUIT STRAP MUST BE INSTALL ABOVE THE JOINT.



- 100 AMP PANEL LOCATION
1. MOUNTED INSIDE THE EXTERIOR WALL, OR THE ABSOLUTE MINIMUM DISTANCE FROM THE EXTERIOR WALL, ANYTHING ELSE WILL REQUIRE BREAKER UNDER METERBASE.
 2. THE SERVICE DISCONNECTING MEANS SHALL BE INSTALLED AT A READILY ACCESSIBLE LOCATION.
 3. THE SERVICE DISCONNECTING MEANS SHALL NOT BE INSTALLED IN BATHROOMS.

TWO #2 AWG BLACK WIRES TO MAIN BREAKER

#4 WHITE OR MARKED WHITE WIRE TO NEUTRAL BUS

#6 GREEN WIRE TO GROUND BUS IF BREAKER IS REQUIRED BELOW METERBASE AND GRAY PVC IS USED.

4 FEET MAXIMUM

2 INCH CONDUIT STRAP ON RISER

2 INCH RIGID OR INTERMEDIATE METAL CONDUIT

100 AMP METER BASE SHOULD BE 5 FT. TO 5-1/2 FT. ABOVE GROUND LEVEL TO CENTER OF METERBASE.

1 1/2-INCH RIGID OR INTERMEDIATE METAL CONDUIT FROM METERBASE TO DISTRIBUTION PANEL. GRAY ELECTRICAL CONDUIT IS ALLOWED IF CONDUIT IS NOT EXPOSED TO PHYSICAL DAMAGE AND GREEN WIRE WILL BE REQUIRED.

#4 BARE COPPER TO GROUND ROD

BRONZE GROUND CLAMP SUITABLE FOR DIRECT BURIAL. MUST BE AT OR BELOW GROUND LEVEL

5/8" x 8 FT. GROUND ROD

IMPORTANT

IT IS THE CUSTOMER'S RESPONSIBILITY TO PROVIDE A SERVICE MAST OF ADEQUATE STRENGTH TO SAFELY WITHSTAND THE STRAIN IMPOSED BY THE UTILITY'S SERVICE DROP.

ALL SERVICES SHALL MEET OR EXCEED THE NEC AND NESC CODES

SEE BACK FOR OTHER INSTRUCTIONS

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IN ORDER TO INSURE THAT THE METER IS SET AT PROPER LOCATION, ALL DWELLINGS, APARTMENTS, MOBILE HOMES AND BUILDINGS MUST BE CLEARLY MARKED WITH THE CORRECT E-911 ADDRESS IN A PROMINENT LOCATION BEFORE A METER WILL BE SET.

APARTMENTS THAT ARE DESIGNATED BY APARTMENT NUMBER AND MOBILE HOME PARKS THAT ARE IDENTIFIED BY LOT NUMBER MUST ALSO BE CLEARLY MARKED. THE CORRECT APARTMENT NUMBER OR MOBILE HOME LOT NUMBER MUST BE SHOWN ON THE RENTAL RECEIPT.