



Jackson Electric Cooperative, Inc.

Your Touchstone Energy® Partner 

JACKSON ELECTRIC COOP METER LOOP CONSTRUCTION SPECIFICATIONS DECEMBER 2018

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**YOU WILL NEED TO CONTACT ONE OF JACKSON
ELECTRIC COOP'S ENGINEERS BEFORE ANY
ACTIONS ARE MADE TOWARDS ALL NEW,
CONVERTED, OR MOVED SERVICES**

PREFACE :

THE SPEC SHEETS INCLUDED IN THIS PACKET ARE IN NO WAY INTENDED TO CONFLICT WITH THE NATIONAL ELECTRICAL SAFETY CODE (NESC), THE NATIONAL ELECTRICAL CODE (NEC), OR SUCH STATE OR LOCAL LAWS AND ORDINANCES AS MAY BE IN EFFECT IN JACKSON ELECTRIC COOP'S SERVICE AREA.

APPENDIX:

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NOTES:

- 1) JACKSON ELECTRIC COOP REQUIRES THERE BE A VISIBLE MAIN DISCONNECT WITHIN 20' OF THE METER CAN.
- 2) MAIN DISCONNECT MUST BE U/L LISTED, SERVICE AND OUTDOOR RATED AND MUST BE RATED AT LEAST THE SAME AMPERAGE AS THE METER CAN.
- 3) METER CAN MUST BE U/L LISTED, SERVICE AND OUTDOOR RATED, ALUMINUM, STAINLESS, OR ALUMINUM POWDERCOATED.
- 4) ALL METERLOOPS INSTALLED MUST USE CORROSIVE RESISTANT HARDWARE TO ATTACH METERLOOP AND USE STAINLESS OR ALUMINUM 2-HOLE STRAPS.
- 5) ALL METALLIC CONDUIT USED TO INSTALL A METERLOOP MUST BE U/L LISTED THICK WALLED ALUMINUM OR STAINLESS FOR INCREASED CORROSION RESISTANCE.

- 6) ALL METERLOOPS SHOULD BE GROUNDED IN A MANNER THAT MEETS OR EXCEEDS THE CURRENT NEC GROUNDING CODE (NEC: SEC-250).
- 7) COMMUNICATION COMPANIES ARE FORBIDDEN TO GROUND THEIR SYSTEMS TO ANY PART OF THE METER ENCLOSURE. ALL COMMUNICATIONS MUST BE BONDED ON A COMMUNICATIONS BONDING BLOCK IN ACCORDANCE WITH NEC: SEC-250.
- 8) NATIONAL ELECTRIC CODE (NEC) REQUIRES A MINIMUM OF 2 BONDED GROUND RODS, THE FIRST BEING DRIVEN AS NEAR AS PRACTICAL TO THE METER ENCLOSURE, BONDED TO THE SECOND WHICH, SHOULD BE DRIVEN A MINIMUM OF 6' AWAY FROM THE FIRST.
- 9) JACKSON ELECTRIC REQUIRES COPPER OR COPPER CLAD GROUND RODS A MINIMUM OF 5/8" DIAMETER BY 8' LONG WITH MINIMUM GROUND WIRE SIZE BEING #6 AWG COPPER WIRE.
- 10) ALL PVC CONDUIT USED FOR ANY PART OF A METERLOOP MUST BE U/L LISTED ELECTRICAL GRADE CONDUIT.
- 11) EACH PAD MOUNT TRANSFORMER WILL HAVE AN ADDITIONAL COST OF \$500. THE MEMBER WILL BE REQUIRED TO PROVIDE THE CONDUIT AND A MINIMUM OF 2 LONG SWEEPING 2.5" 90'S, AS DESCRIBED IN THE SPEC SHEET.
- 12) MEMBERS INSTALLING SERVICE FOR MOBILE HOMES ARE NOT PERMITTED TO ATTACH METERLOOP TO MOBILE HOME STRUCTURE. NO EXCEPTIONS.
- 13) ANY SINGLE OR THREE PHASE SERVICE THAT IS 320A OR MORE MUST BE PRIMARY OR CT METERED.
- 14) ANY THREE PHASE SERVICE THAT IS 120/208, 277/480, OR THREE PHASE UNDERGROUND SERVICE WITH A PAD MOUNT MUST BE PRIMARY OR C/T METERED.
- 15) IN ACCORDANCE WITH NEC CODE [SEC-310.15(B)(7)]; 200A SERVICES MUST USE A MINIMUM WIRE SIZE OF 2/0 COPPER FOR BOTH HOT LEGS AND 1/0 COPPER FOR THE NEUTRAL. 100A SERVICES MUST USE A MINIMUM WIRE SIZE OF #2 COPPER FOR BOTH HOT LEGS AND THE NEUTRAL.
- 16) TEMPORARY OVERHEAD SERVICES ARE NOT TO EXCEED 40' FROM THE TRANSFORMER POLE TO THE TEMPORARY POLE. CALL AND SET UP APPOINTMENT WITH ONE OF JACKSON ELECTRIC COOP'S ENGINEERS BEFORE SETTING A TEMP POLE.

METERLOOPS ARE NOT ALLOWED TO BE MOUNTED ON JEC SERVICE POLES, TRANSFORMER POLES, OR IN-LINE POLES. IF AN EXISTING METERLOOP IS MOUNTED TO ONE OF THESE POLES AND THERE IS A NEED FOR A TEMPORARY DISCONNECT FOR REPAIR OR ANY ALTERATIONS TO THE METERLOOP OCCUR, THE METERLOOP MUST BE MOVED OFF OF THIS POLE. JEC WILL SET A NEW METER POLE AT NO CHARGE BUT THE MEMBER WILL BE RESPONSIBLE FOR THE COST OF MOVING THE METERLOOP TO THE NEW POLE WITHIN 30 DAYS OF NEW POLE BEING SET.

ADDITIONAL INFO AND REQUIREMENTS

- ALL METERLOOPS INSTALLED WILL BE SUBJECT TO APPLICABLE PERMITTING REQUIRED BY THE COUNTY IN WHICH THE MEMBER IS REQUESTING SERVICE.
- THE MEMBER IS REQUIRED TO OBTAIN AND COMPLY WITH NECESSARY PERMITS.
- IF PERMIT STATES THAT THE METER CAN MUST BE HIGHER THAN 6' OFF THE GROUND, THE MEMBER IS RESPONSIBLE FOR BUILDING AND MAINTAINING A PLATFORM FOR USE BY JEC EMPLOYEES AND FIRE DEPARTMENT ACCESS IN THE CASE OF AN EMERGENCY. PLATFORM MUST ALWAYS BE ACCESSIBLE.
- METER CAN MUST BE MOUNTED A MIN OF 5' AND A MAX OF 6' FROM GROUND LEVEL TO CENTER OF METER CAN. IF A PLATFORM IS REQUIRED, PLATFORM MUST BE BUILT A MIN OF 5' AND A MAX OF 6' BELOW CENTER OF METER CAN.
- METERLOOPS MUST BE INSTALLED NO LOWER THAN THE HEIGHT REQUIRED BY PERMIT AND NO HIGHER THAN 6" ABOVE THE HEIGHT STATED ON THE PERMIT.
- FOR A METER CAN TO GO ABOVE 6" OF THE STATED PERMIT HEIGHT, MEMBER MUST HAVE PRIOR CONSTRUCT OR INTENT TO CONSTRUCT A DECK/PLATFORM, NOT TO BE ENCLOSED BY FOUR WALLS AND ACCESSIBLE FROM THE OUTSIDE. MEMBER MUST GET PRIOR AUTHORIZATION FROM AN ENGINEER AT JEC AND CENTER OF METER CAN MUST BE A MIN OF 5' AND A MAX OF 6' FROM DECK/PLATFORM.
- ANY METERLOOPS NOT MEETING THESE REQUIREMENTS WILL NOT BE CONNECTED.

METER POLE INFORMATION

- NEW SERVICES NEEDING A METER POLE WILL HAVE METER POLE SET AND MAINTAINED BY JEC, WHICH IS INCLUDED IN THE AID OF CONSTRUCTION. JEC WILL NOT SET TEMPORARY METER POLES.
- MEMBER MUST HAVE UTILITIES LOCATED ON PROPERTY.
- IF METERLOOP IS PURCHASED THROUGH JEC, IT CAN BE ATTACHED WHEN METER POLE IS SET, HOWEVER, MEMBER MUST HAVE REQUIRED PERMITS BEFORE METERLOOP IS CONNECTED.
- METER POLES MUST BE ROUND AND A MIN OF 30/6 WITH CREOSOTE OR EQUIVALENT TREATMENT

METER POLE RETROFIT

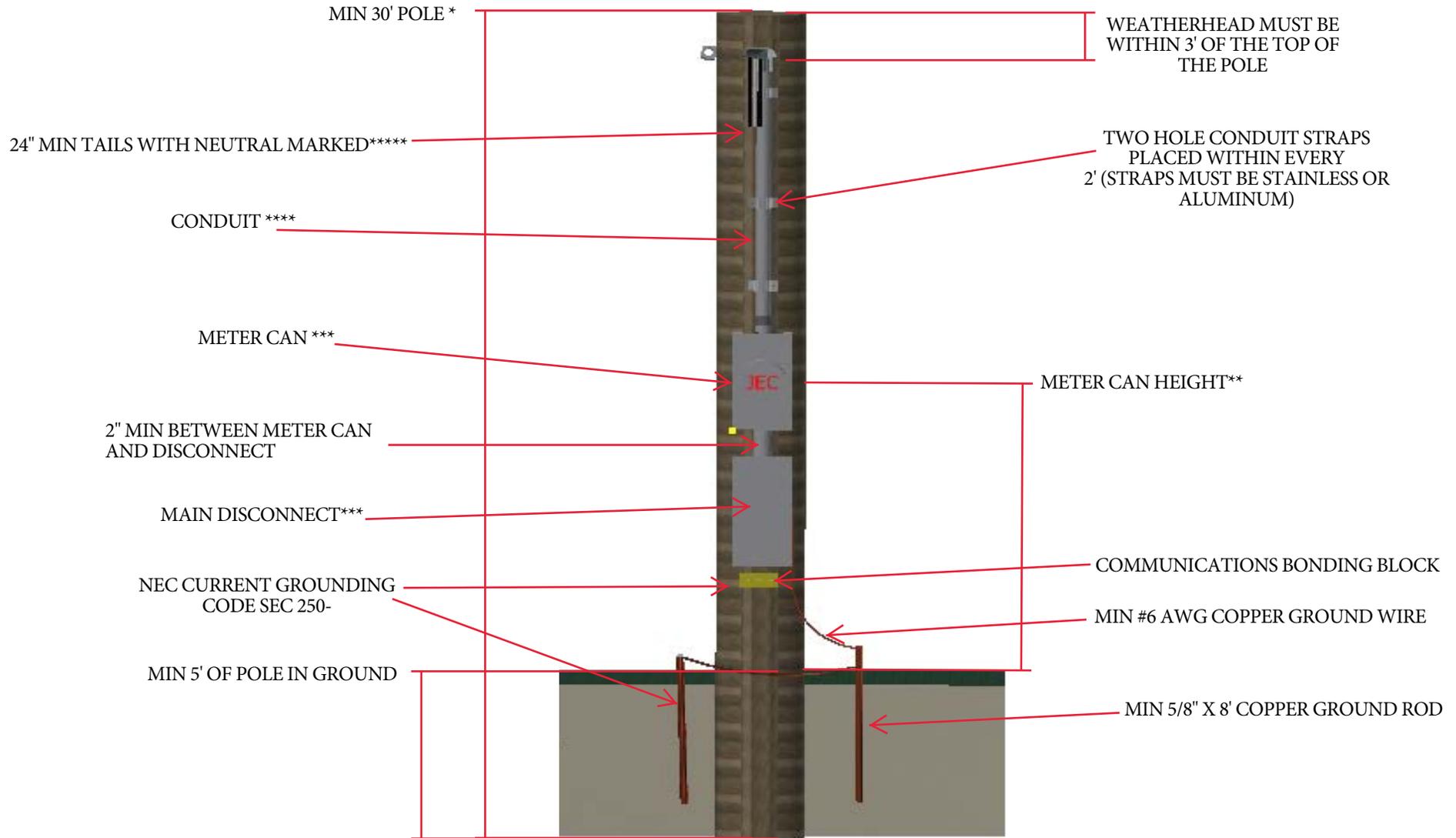
MEMBERS WITH EXISTING METER POLES, NOT PROVIDED BY JEC, WILL BE ABLE TO PURCHASE AND SCHEDULE A METER POLE CHANGEOUT THROUGH THEIR LOCAL JEC OFFICE.

- WITH A CALL IN AND SCHEDULING, THE PRICE OF A POLE CHANGE OUT WILL BE \$350. PRICES WILL DIFFER FOR CHANGE OUTS AFTER HOURS.
- MEMBER MUST HAVE ALL UTILITIES MARKED ON PROPERTY AND MUST HAVE BOTTOM OF METER LOOP DISCONNECTED.
- ANY CHANGE OF POLE LOCATION IS SUBJECT TO ANY APPLICABLE PRICE CHANGE AND MUST MEET ALL PERMIT REQUIREMENTS & ENGINEERING APPROVAL.

FOR MORE INFORMATION, CONTACT YOUR LOCAL JEC OFFICE

INDUSTRIAL AND COMMERCIAL SPECIFICATIONS MAY DIFFER FROM THOSE GIVEN IN THIS PACKET, CONTACT ONE OF JEC'S ENGINEERS FOR CONSULTATION.

SPECS FOR OVERHEAD SERVICE ON 30' METER POLE - JACKSON ELECTRIC COOP



OTHER MATERIALS AND NOTES

* JACKSON ELECTRIC COOP WILL INSTALL MEMBERS METER POLE UNDER POLICY GUIDELINES, SEE NOTES SECTION FOR MORE INFORMATION

** METER CAN SHALL BE 5'-6' FROM GROUND LEVEL TO CENTER OF METER CAN UNLESS MEMBERS FLOOD PLAIN PERMIT STATES OTHERWISE,

SEE NOTES FOR MORE INFORMATION

*** METER CAN AND MAIN DISCONNECT MUST BE A U/L LISTED, SERVICE AND OUTDOOR RATED. METER CAN MUST BE ALUMINUM, STAINLESS, OR ALUMINUM POWDERCOATED, AND USE ALUMINUM OR STAINLESS CORROSION RESISTANT HARDWARE TO ATTACH METERLOOP

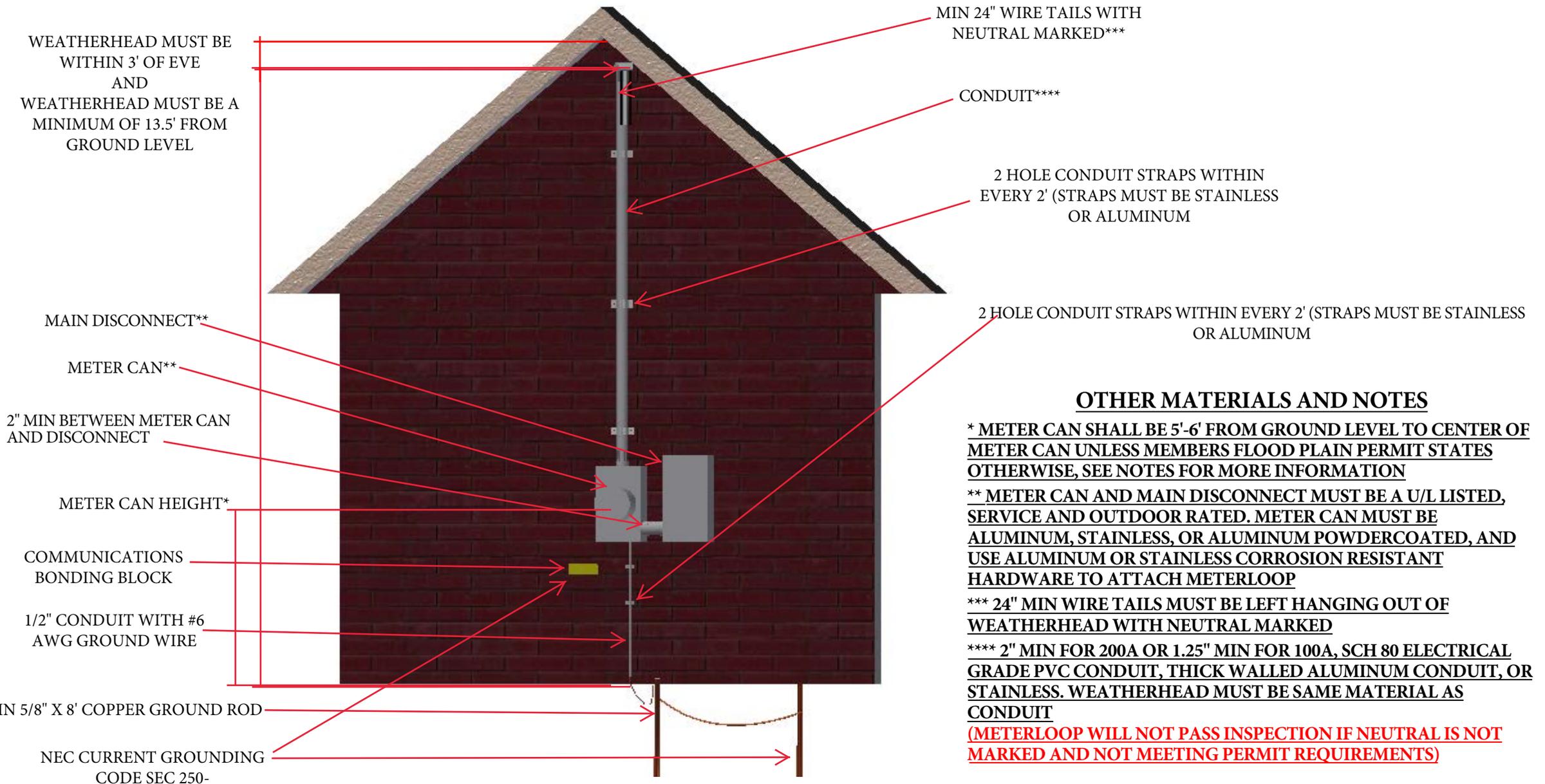
**** 2" MIN FOR 200A OR 1.25" MIN FOR 100A, SCH 80 ELECTRICAL GRADE PVC CONDUIT, THICK WALLED ALUMINUM CONDUIT, OR STAINLESS.

WEATHERHEAD MUST BE SAME MATERIAL AS CONDUIT

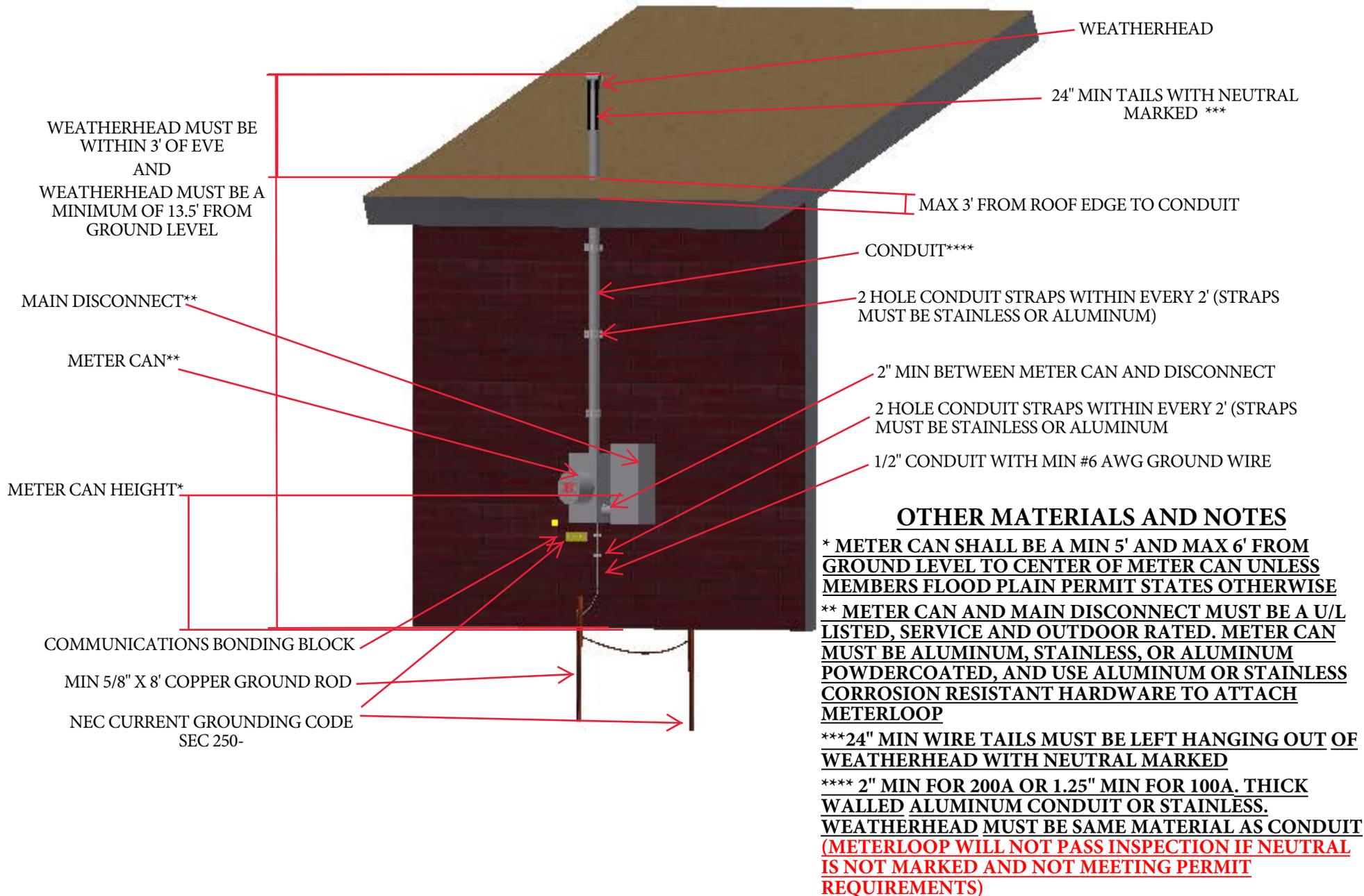
***** 24" MIN WIRE TAIL MUST BE LEFT HANGING OUT OF WEATHERHEAD WITH NEUTRAL CLEARLY MARKED

(METERLOOP WILL NOT PASS INSPECTION IF NEUTRAL IS NOT MARKED AND NOT MEETING PERMIT REQUIREMENTS)

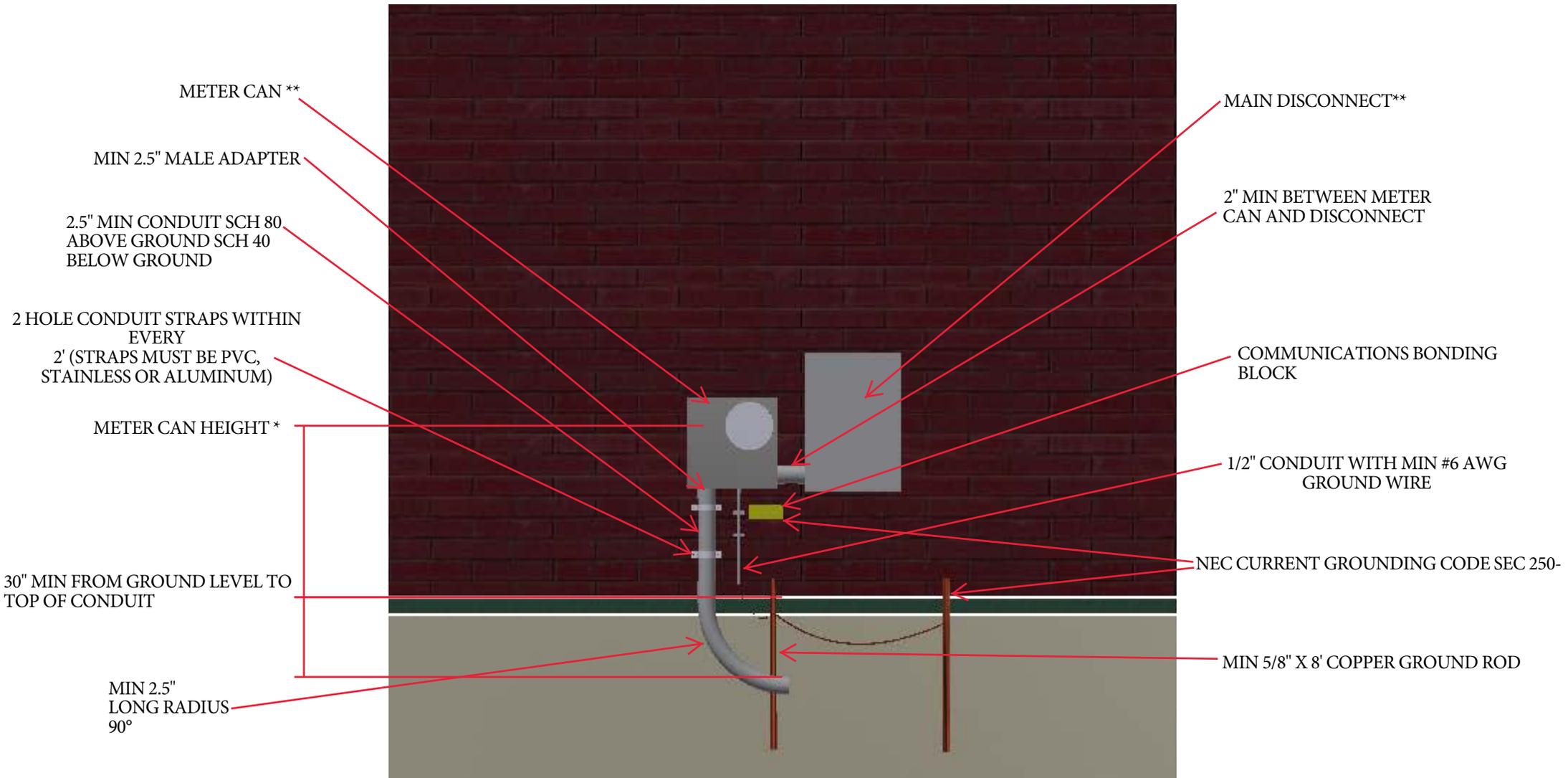
SPECS FOR OVERHEAD SERVICE ON HOUSE SURFACE MOUNTED - JACKSON ELECTRIC COOP



SPECS FOR OVERHEAD SERVICE ON HOUSE THROUGH ROOF - JACKSON ELECTRIC COOP



SPECS FOR UNDERGROUND SERVICE ON HOUSE - JACKSON ELECTRIC COOP



OTHER MATERIALS AND NOTES

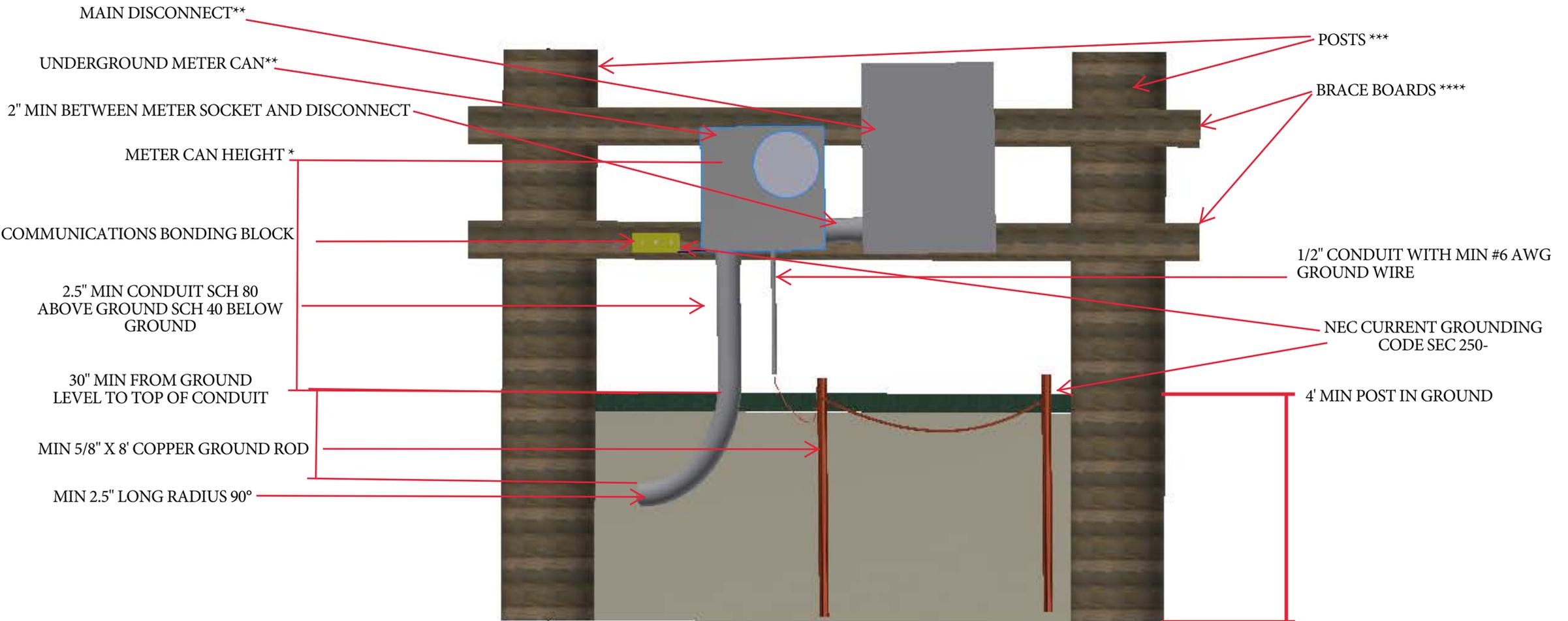
* METER CAN SHALL BE A MIN 5' AND MAX 6' FROM GROUND LEVEL TO CENTER OF METER CAN UNLESS MEMBERS FLOOD PLAIN PERMIT STATES OTHERWISE

** METER CAN AND MAIN DISCONNECT MUST BE A U/L LISTED, SERVICE AND OUTDOOR RATED. METER CAN MUST BE ALUMINUM, STAINLESS, OR ALUMINUM POWDERCOATED, AND USE ALUMINUM OR STAINLESS CORROSION RESISTANT HARDWARE TO ATTACH METERLOOP

NO MORE THAN 2-90° ELBOWS AND 1-45° ELBOW FROM TRANSFORMER POLE TO METER CAN

MUST HAVE A SUFFICIENT PULL STRING IN CONDUIT FROM PIPE STUBBED UP AT TRANSFORMER POLE TO METER CAN STUB PIPE UP 8-10" AWAY FROM JEC TRANSFORMER POLE

SPECS FOR UNDERGROUND SERVICE ON METER RACK - JACKSON ELECTRIC COOP



OTHER MATERIALS AND NOTES

* METER CAN SHALL BE A MIN 5' AND MAX 6' FROM GROUND LEVEL TO CENTER OF METER CAN UNLESS MEMBERS FLOOD PLAIN PERMIT STATES OTHERWISE

** METER CAN AND MAIN DISCONNECT MUST BE A U/L LISTED, SERVICE AND OUTDOOR RATED. METER CAN MUST BE ALUMINUM, STAINLESS, OR ALUMINUM POWDERCOATED, AND USE ALUMINUM OR STAINLESS CORROSION RESISTANT HARDWARE TO ATTACH METER LOOP

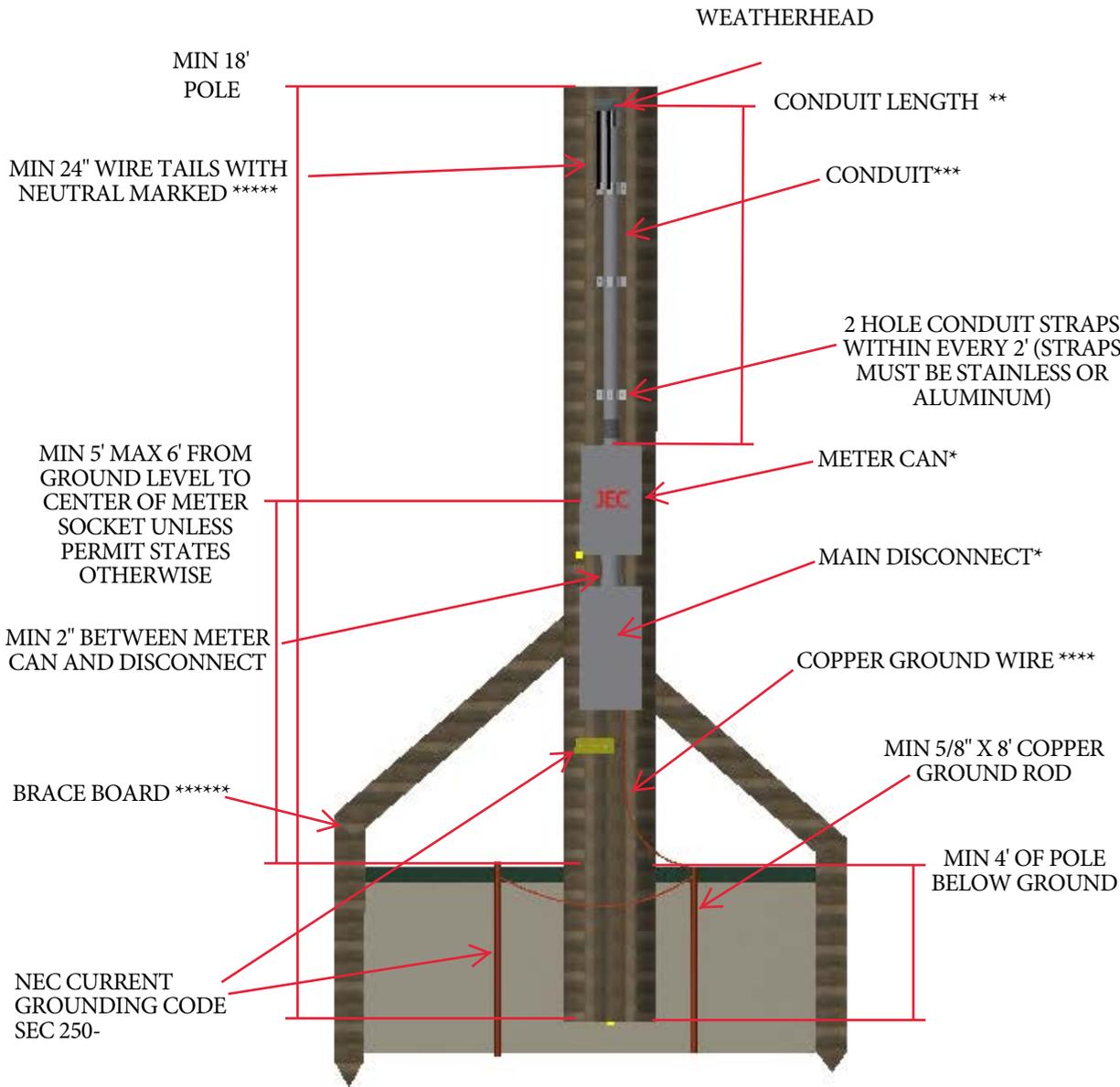
*** POSTS MUST BE EITHER TREATED ROUND POSTS WITH A MIN LENGTH OF 10' AND MIN DIAMETER OF 6" OR A CORROSION RESISTANT METAL SUCH AS UNI-STRUT

**** BRACE BOARDS: MIN OF 2" THICK TREATED WOOD OR UNI-STRUT

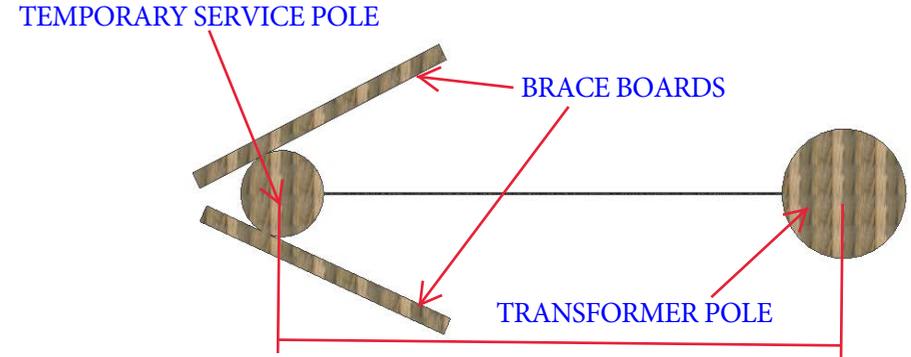
NO MORE THAN 2-90° ELBOWS AND 1-45° ELBOW FROM TRANSFORMER POLE TO METER CAN

MUST HAVE A SUFFICIENT STUB PIPE UP 8-10" AWAY FROM JEC TRANSFORMER POLE PULL STRING IN CONDUIT FROM PIPE STUBBED UP AT TRANSFORMER POLE TO METER CAN

SPECS FOR OVERHEAD TEMPORARY SERVICE - JACKSON ELECTRIC COOP



ANGLE BRACE BOARDS TOWARDS TRANSFORMER POLE



DISTANCE FROM TRANS POLE TO TEMP IS TO NOT EXCEED 40'

OTHER MATERIALS AND NOTES

TEMPORARY SERVICE WILL BE APPLICABLE FOR NO MORE THAN 6 MONTHS UNLESS GRANTED BY COOP FOR MEANS OF LONG-TERM CONSTRUCTION OR OTHER CASES, SUBJECT TO COOP DISCRETION

**** METER CAN AND MAIN DISCONNECT MUST BE A U/L LISTED, SERVICE AND OUTDOOR RATED. METER CAN MUST BE ALUMINUM, STAINLESS, OR ALUMINUM POWDERCOATED, AND USE ALUMINUM OR STAINLESS CORROSION RESISTANT HARDWARE TO ATTACH METERLOOP**

**** CONDUIT LENGTH SHOULD BE LONG ENOUGH THAT THE WEATHER HEAD IS WITHIN A MIN OF 12" FROM THE TOP OF THE POLE**

***** CONDUIT MUST BE MIN 2" DIAMETER FOR 200A OR 1.25" FOR 100A AND BE U/L LISTED THICK WALLED ALUMINUM, SCH 80 ELECTRICAL GRADE PVC, OR STAINLESS. WEATHERHEAD MUST BE SAME MATERIAL AS CONDUIT**

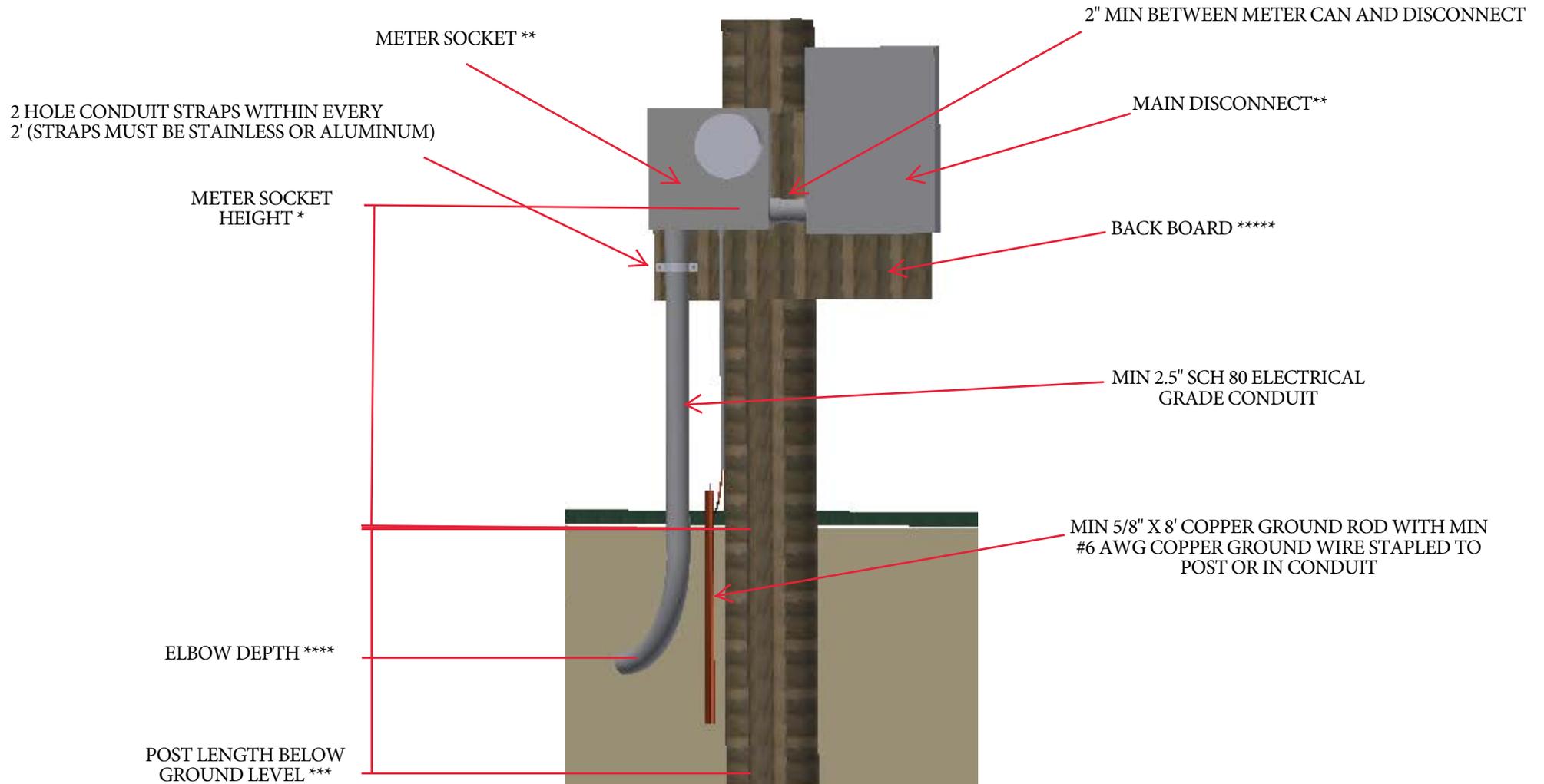
****** MIN #6 AWG COPPER GROUND WIRE STAPLED TO POLE OR STRAPPED TO POLE INSIDE 1/2" ELECTRICAL CONDUIT**

******* 24" MIN WIRE TAILS MUST BE LEFT HANGING OUT OF WEATHERHEAD WITH NEUTRAL MARKED**

******* BRACE BOARDS SHOULD BE DIRECTED TOWARDS TRANSFORMER POLE AS SHOWN IN DIAGRAM ABOVE**

(METERLOOP WILL NOT PASS INSPECTION IF NEUTRAL IS NOT MARKED AND NOT MEETING PERMIT REQUIREMENTS)

SPECS FOR UNDERGROUND TEMPORARY SERVICE - JACKSON ELECTRIC COOP



OTHER MATERIALS AND NOTES

TEMPORARY SERVICE WILL BE APPLICABLE FOR NO MORE THAN 6 MONTHS UNLESS GRANTED BY COOP FOR MEANS OF LONG-TERM CONSTRUCTION OR OTHER CASES, SUBJECT TO COOP DISCRETION

*** METER CAN SHALL BE A MIN OF 5' TO MAX 6' FROM GROUND LEVEL TO CENTER OF METER CAN UNLESS MEMBERS FLOOD PLAIN PERMIT STATES OTHERWISE**

**** METER CAN AND MAIN DISCONNECT MUST BE A U/L LISTED, UNDERGROUND RATED. METER CAN MUST BE ALUMINUM, STAINLESS, OR ALUMINUM POWDERCOATED, AND USE STAINLESS OR ALUMINUM CORROSION RESISTANT HARDWARE TO ATTACH METERLOOP**

***** POST MUST BE TREATED WOOD AND A MIN 4"x4"x10' OR 10' LONG ROUND POST AND BE SET A MIN 4' BELOW GROUND LEVEL**

****** CONDUIT ELBOW SHALL BE BELOW GROUND LEVEL A MIN 10" AND FACE TOWARDS PAD MOUNT TRANSFORMER**

******* BACK BOARD USED TO MOUNT METER SOCKET AND PANEL SHALL BE AT MIN 3/4" TREATED PLYWOOD**