

MARSHALL-DeKALB ELECTRIC COOPERATIVE RESIDENTIAL UNDERGROUND SERVICE REQUIREMENTS

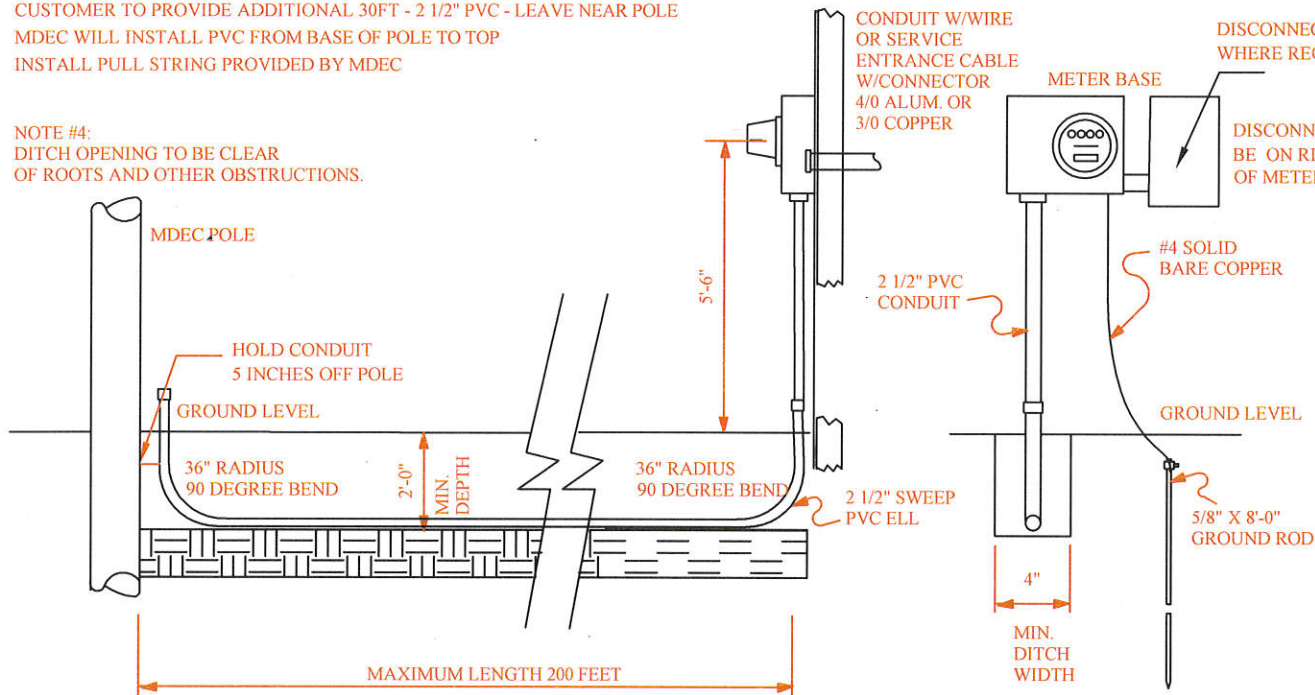
NOTE #1:
MAXIMUM LENGTH OF UNDERGROUND SERVICE
IS 200 FEET.

200 AMP
05-22-18

NOTE #2:
DITCH MUST BE INSPECTED BY MDEC BEFORE CLOSING

NOTE #3:
CUSTOMER TO FURNISH & INSTALL
2 1/2" SCHEDULE 40 PVC
FROM POLE TO METER BASE
USE 2 1/2" LONG SWEEPING ELBOWS
36" RADIUS ONLY.
CUSTOMER TO PROVIDE ADDITIONAL 30FT - 2 1/2" PVC - LEAVE NEAR POLE
MDEC WILL INSTALL PVC FROM BASE OF POLE TO TOP
INSTALL PULL STRING PROVIDED BY MDEC

NOTE #4:
DITCH OPENING TO BE CLEAR
OF ROOTS AND OTHER OBSTRUCTIONS.



SITE BUILT STRUCTURE CHECKLIST

- ✓ IF THE SERVICE IS GOING TO BE UNDERGROUND:
 - HAVE PORTIONS OF THE FOUNDATION BEYOND THE EXTERIOR WALL BEEN REMOVED?
- ✓ CUSTOMER MUST OPEN DITCH 24 INCHES IN DEPTH
- ✓ DITCH MUST BE INSPECTED BY MDEC BEFORE CLOSING
- ✓ IS DITCH CLEAR OF ALL OBSTRUCTIONS, TREE ROOTS, ETC.
- ✓ IF LOCATED WITHIN CITY LIMITS OF BOAZ, ALBERTVILLE, OR GUNTERSVILLE CHECK WITH CITY BUILDING INSPECTOR FOR ADDITIONAL REQUIREMENTS



200 AMP UNDERGROUND METER BASE CONNECTIONS

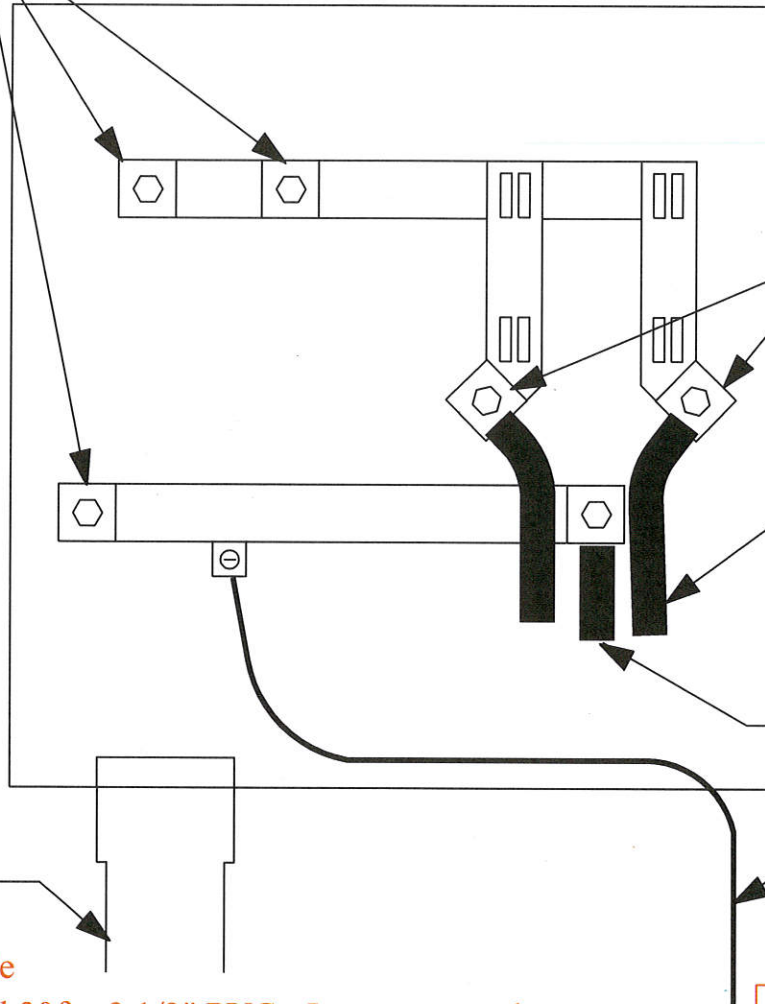
05-22-2018

MARSHALL DeKALB
WILL MAKE THESE
CONNECTIONS

NOTE #1:
IF LOCATED WITHIN CITY LIMITS OF
BOAZ, ALBERTVILLE, OR GUNTERVILLE
CHECK WITH CITY BUILDING INSPECTOR
FOR ADDITIONAL REQUIREMENTS

NOTE #2:
DO NOT INSTALL
SHIELDED ENTRANCE
CABLE IN CONDUIT
(GRAY INSULATION)

NOTE #3:
USE PENATROX
ON ALL ALUMINUM
CONNECTIONS.



HOT LEG CONNECTIONS
INTO STRUCTURE / DISCONNECT

CONDUIT W/WIRE
OR SERVICE ENTRANCE
CABLE W/CONNECTOR
4/0 ALUMINUM
OR 3/0 COPPER

NEUTRAL CONNECTION
INTO STRUCTURE / DISCONNECT
SAME SIZE OR 1/2
SIZE OF HOT LEG
CONNECTIONS.

#4 SOLID BARE COPPER
TO GROUND ROD

2 1/2" Schedule 40 PVC
Customer to provide & install
from meter base to MDEC pole
Customer to provide additional 30ft - 2 1/2" PVC - Leave near pole.
MDEC will install PVC from base of pole to top.
Install pull string provided by MDEC - No splices

*****DITCH MUST BE INSPECTED BY MDEC BEFORE CLOSING*****

mdec est. 1942
MARSHALL-DEKALB ELECTRIC COOPERATIVE

NOTE #1:
METER BASE/DISCONNECT
CAN NOT BE MOUNTED ON
THE SIDE OF MOBILE HOME

NOTE #2:
DITCH MUST BE INSPECTED BY MDEC BEFORE CLOSING

NOTE #3:
CUSTOMER MUST PROVIDE
AND INSTALL 2 1/2" SCHEDULE 40 PVC
FROM MDEC POLE TO METER BASE

MUST USE 2 1/2" LONG SWEEPING ELBOWS
36" RADIUS AT POLE AND METER BASE
INSTALL PULL STRING PROVIDED BY MDEC

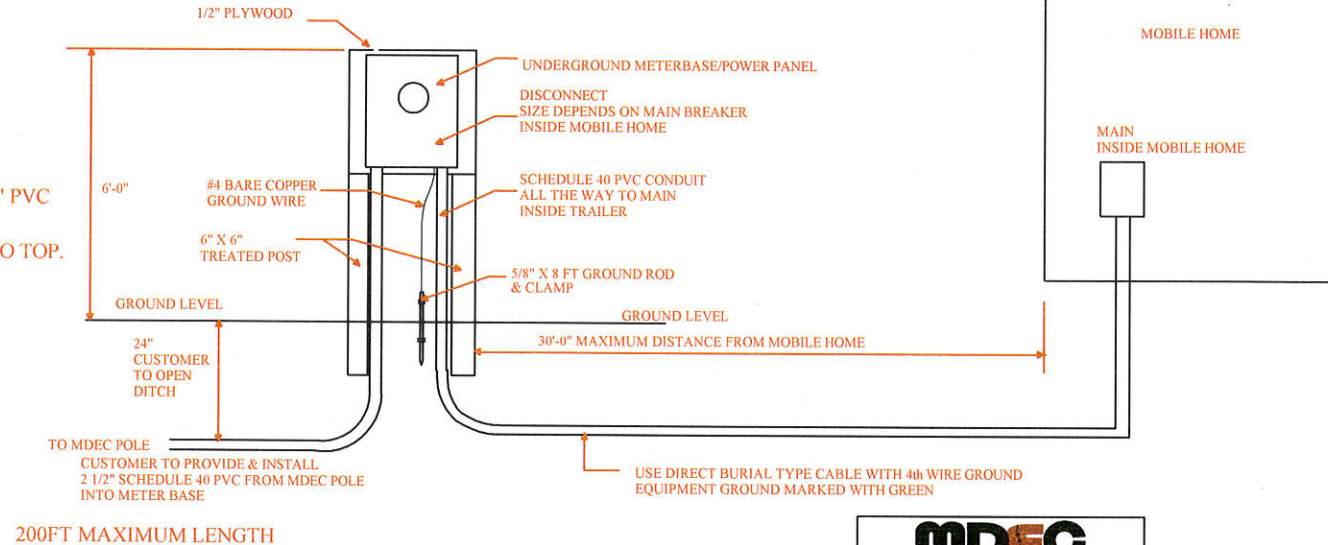
CUSTOMER TO PROVIDE ADDITIONAL 30FT - 2 1/2" PVC
LEAVE ADDITIONAL PVC NEAR POLE.
MDEC WILL INSTALL PVC FROM BASE OF POLE TO TOP.

NOTE #4:
SHIELDED ENTRANCE CABLE
(GRAY INSULATION)
CAN NOT BE USED WITH
CONDUIT AND CAN NOT
BE DIRECT BURIED

05-22-2018
UNDERGROUND PEDESTAL INSTALLATION
FOR MOBILE HOMES
MARSHALL-DEKALB ELECTRIC COOPERATIVE

WIRE GUIDELINES CHART FOR MOBILE HOMES

DISCONNECT	COPPER WIRE	ALUMINUM WIRE	CONDUIT SIZE
100 AMP	#2	#2	1 1/4"
200 AMP	3/0	4/0	2 1/2"
EQUIPMENT GROUND	#6	#4	

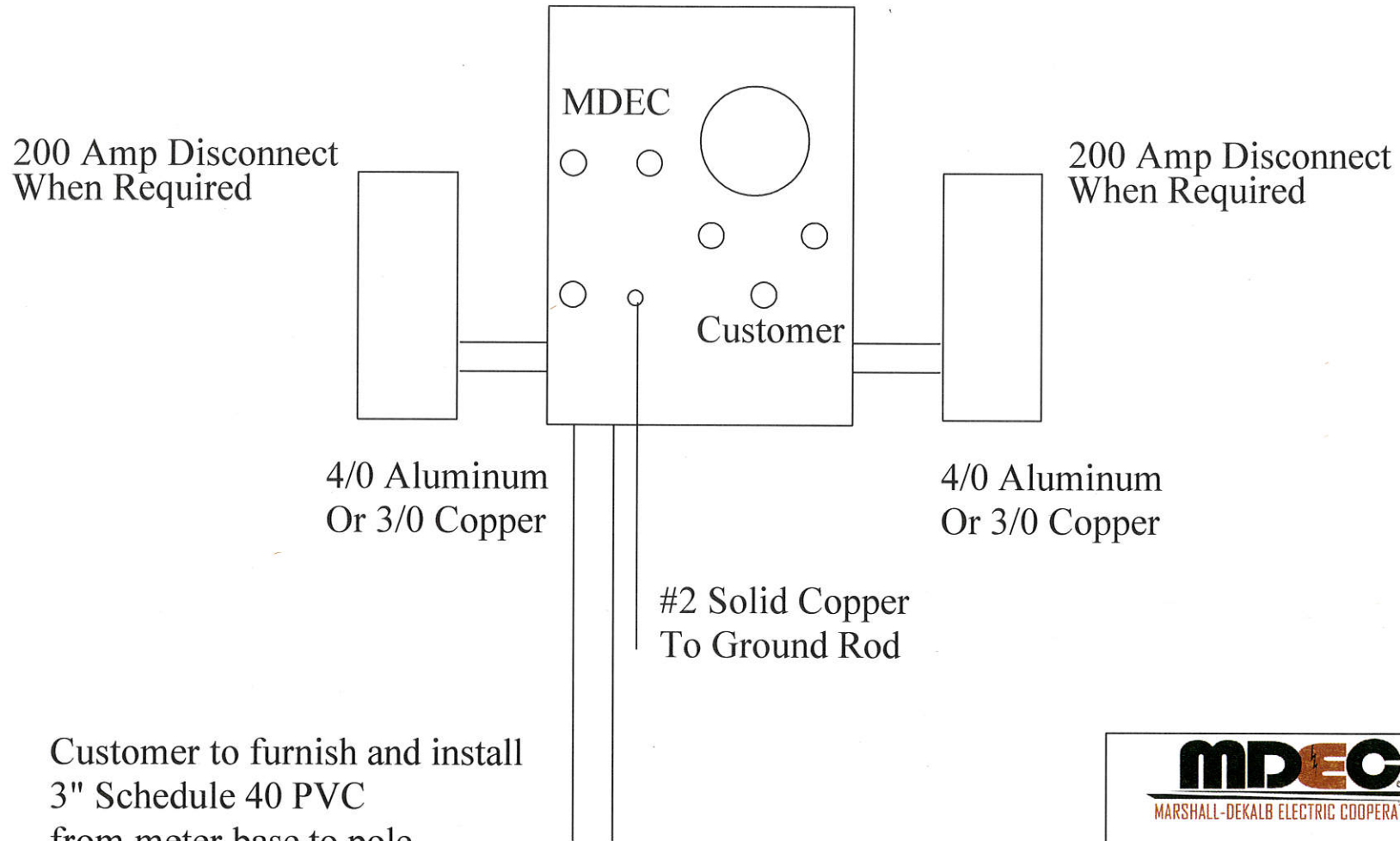


UNDERGROUND SERVICE TO
MOBILE HOME CHECKLIST

- ✓ MDEC DOES NOT ALLOW ANY TYPE OF METER BASE TO BE MOUNTED ON THE SIDE OF THE MOBILE HOME
- ✓ IS THERE AN OUTSIDE DISCONNECT ADJACENT TO THE METER BASE RATED FOR MAIN BREAKER INSIDE MOBILE HOME
- ✓ IS THERE A FOUR WIRE SERVICE FROM THE DISCONNECT INTO THE MOBILE HOME (EQUIPMENT GROUND)
- ✓ IS THE PEDESTAL SET SO THAT THE UNDERGROUND SERVICE IS IN A STRAIGHT LINE FROM THE MDEC POLE AND DOES NOT GO UNDERNEATH ANY PART OF MOBILE HOME
- ✓ ARE THE METER BASE AND DISCONNECT MOUNTED ON PRESSURE TREATED MATERIAL?
- ✓ ARE THE METER AND DISCONNECT MOUNTED WITH TWO-INCH LAG BOLTS?
- ✓ ARE THE WIRES IN CONDUIT AT ALL POINTS THAT THEY ARE ABOVE THE GROUND? NOTE: DO NOT USE SHIELDED ENTRANCE CABLE IN CONDUIT (GRAY INSULATION)
- ✓ IS THE WIRE APPROVED FOR UNDERGROUND SERVICE? NOTE: DO NOT USE SHIELDED ENTRANCE CABLE FOR DIRECT BURIAL
- ✓ DITCH MUST BE INSPECTED BY MDEC BEFORE CLOSING



400 Amp Service
Milbank Class 320 Meter Base
05-22-2018



Customer to furnish and install
3" Schedule 40 PVC
from meter base to pole.

Install 3" Long Sweeping Elbows at pole & meter base. - 36" Radius

Install pull string provided by MDEC

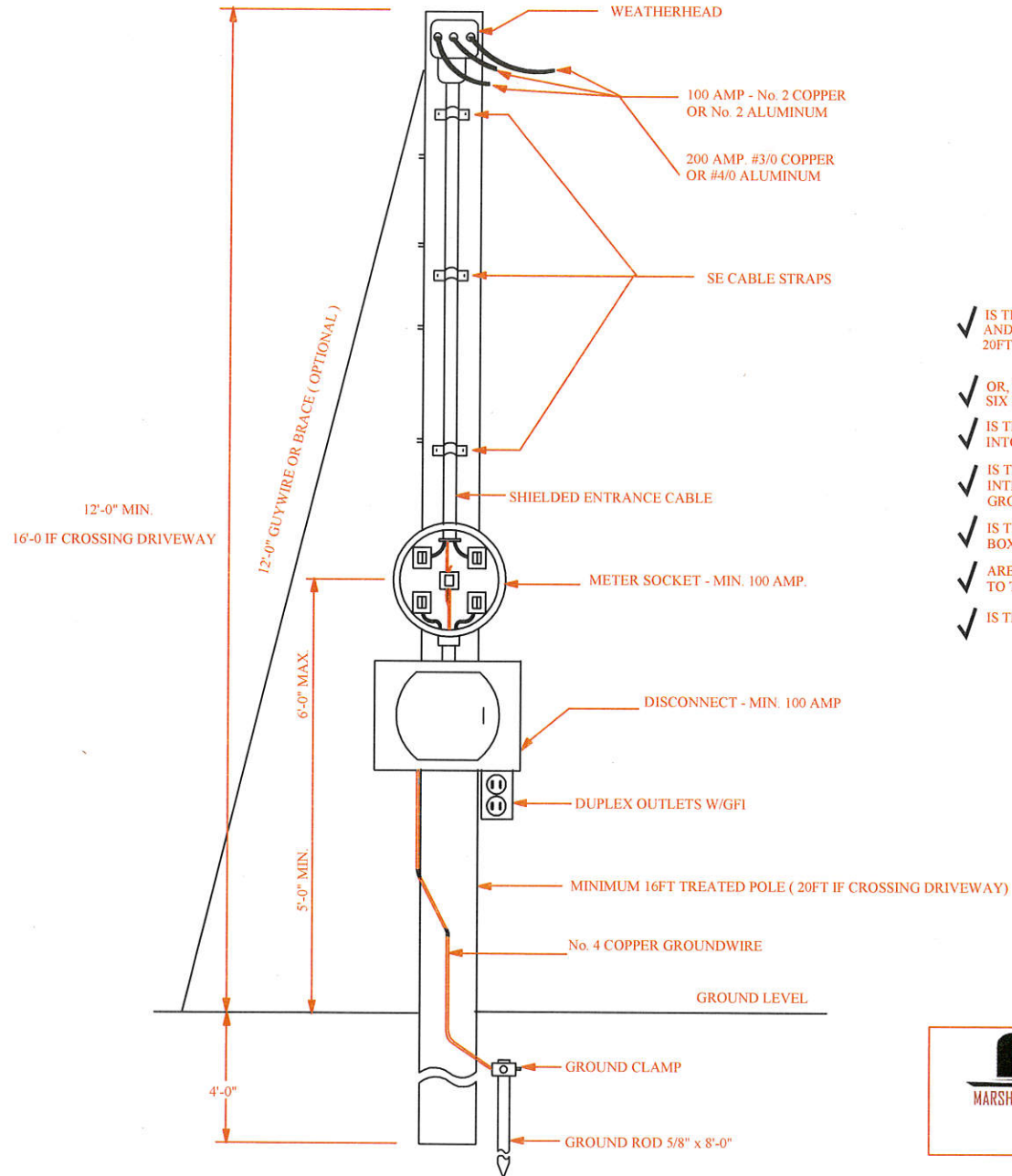
Customer to provide 30ft additional - 3" PVC. Leave near pole.

MDEC will install PVC from base of pole to top.

Ditch must be inspected by MDEC before closing.



TEMPORARY SERVICE (240 VOLTS)
RESIDENTIAL CONSTRUCTION
5-22-2018

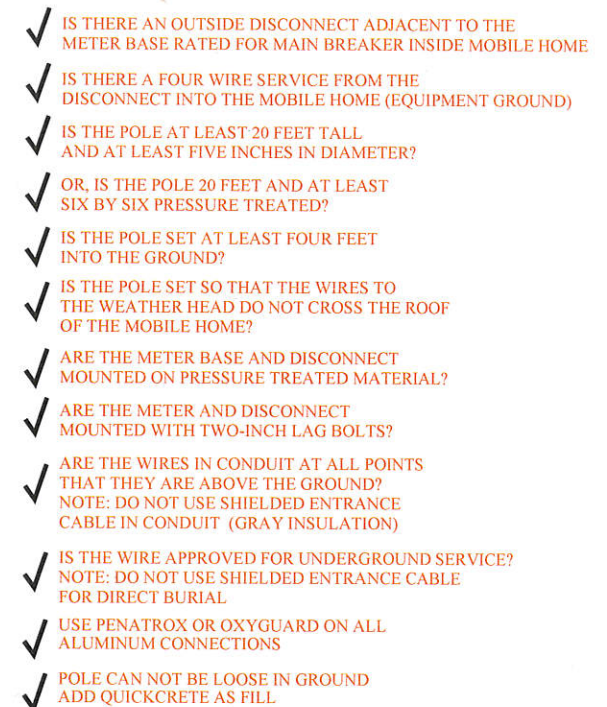


TEMPORARY POLE CHECKLIST

- ✓ IS THE POLE AT LEAST 16 FEET TALL AND AT LEAST FIVE INCHES IN DIAMETER? 20FT POLE IF CROSSING DRIVEWAY
- ✓ OR, IS THE POLE 16 FEET AND AT LEAST SIX BY SIX PRESSURE TREATED?
- ✓ IS THE POLE SET AT LEAST FOUR FEET INTO THE GROUND?
- ✓ IS THE RECEPTACLE A GROUND FAULT INTERRUPT TYPE, OR IS IT FED BY A GROUND FAULT INTERRUPT BREAKER?
- ✓ IS THE RECEPTACLE IN A WEATHERPROOF BOX?
- ✓ ARE THE WIRES FROM THE RECEPTACLE TO THE DISCONNECT RUN IN CONDUIT?
- ✓ IS THE POLE BRACED PROPERLY

MARSHALL-DEKALB ELECTRIC COOPERATIVE
01-01-2018

MOBILE HOME CHECKLIST



200 AMP OVERHEAD INSTALLATION

11-27-2013

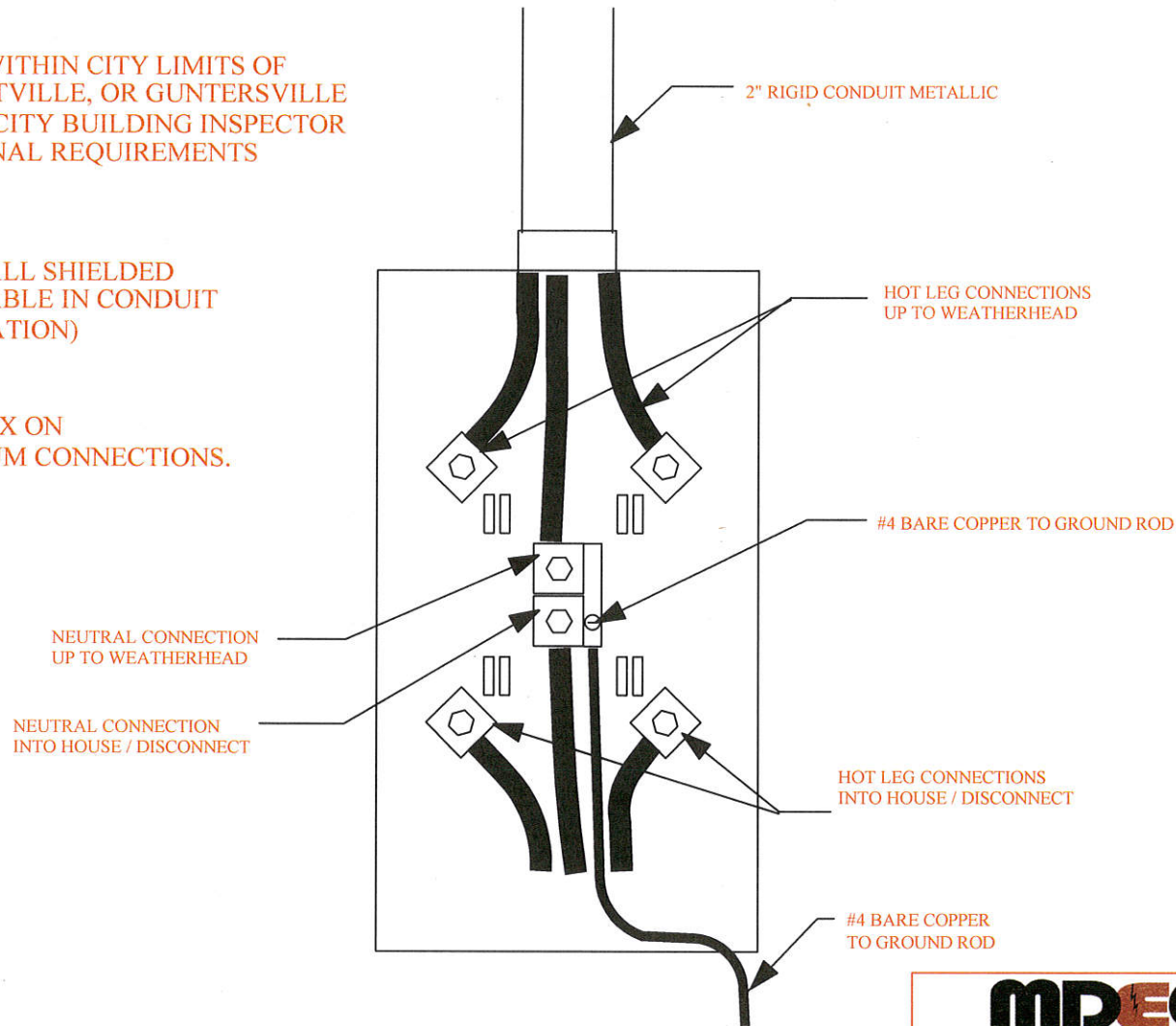
WIRE GUIDELINES CHART

DISCONNECT	COPPER WIRE	ALUMINUM WIRE	CONDUIT SIZE
100 AMP	#2	#2	1 1/4"
200 AMP	3/0	4/0	2"
NEUTRAL GROUND	1/2 SIZE OF HOTLEG #4 BARE COPPER	1/2 SIZE OF HOTLEG	

NOTE #1
IF LOCATED WITHIN CITY LIMITS OF
BOAZ, ALBERTVILLE, OR GUNTERVILLE
CHECK WITH CITY BUILDING INSPECTOR
FOR ADDITIONAL REQUIREMENTS

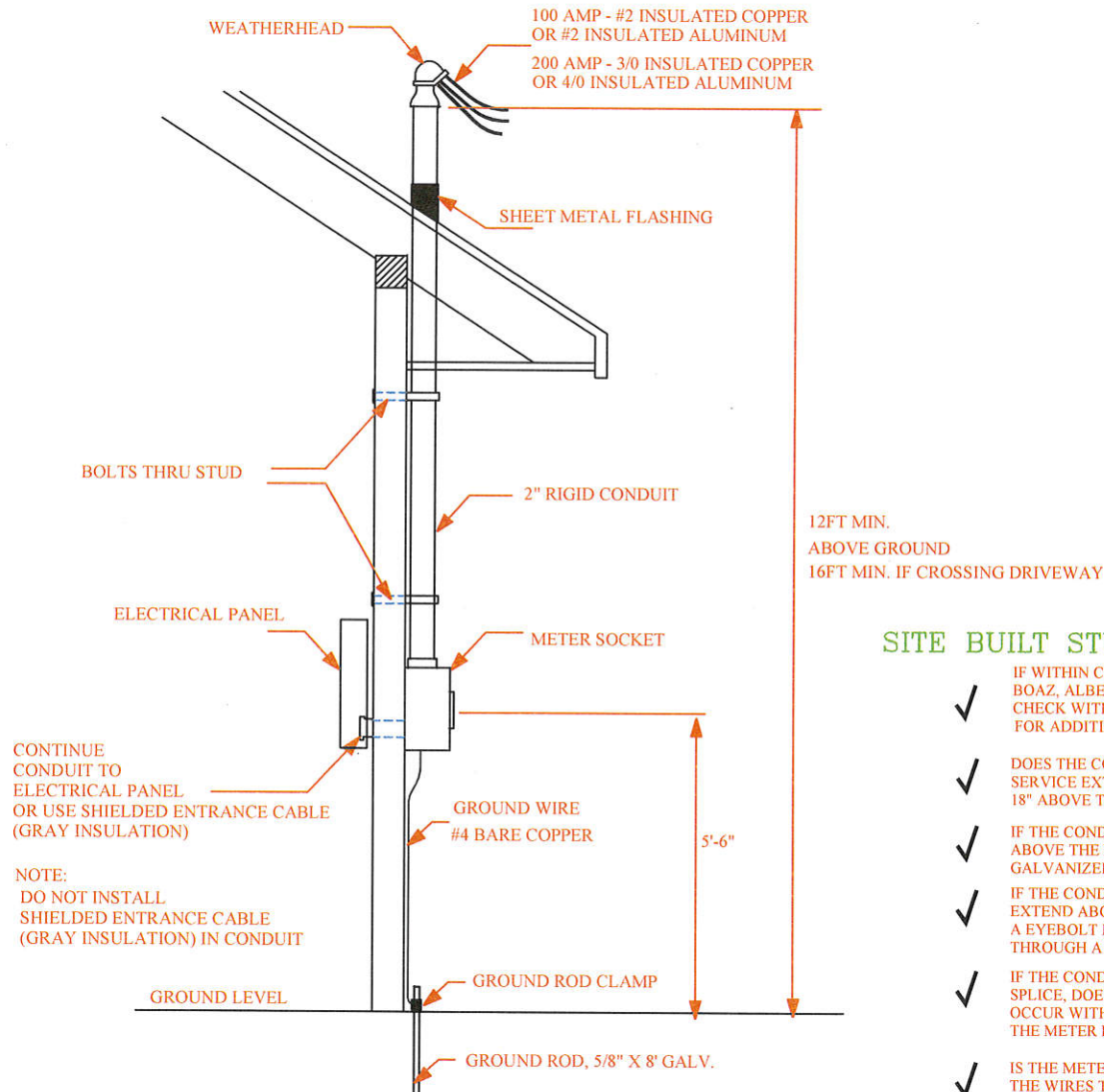
NOTE #2:
DO NOT INSTALL SHIELDED
ENTRANCE CABLE IN CONDUIT
(GRAY INSULATION)

NOTE #3
USE PENATROX ON
ALL ALUMINUM CONNECTIONS.



TYPICAL SERVICE MAST INSTALLATION

11-27-2013



SITE BUILT STRUCTURE CHECKLIST

- ✓ IF WITHIN CITY LIMITS OF BOAZ, ALBERTVILLE, OR GUNTERSVILLE CHECK WITH CITY BUILDING INSPECTOR FOR ADDITIONAL REQUIREMENTS
- ✓ DOES THE CONDUIT FOR THE SERVICE EXTEND AT LEAST 18" ABOVE THE ROOF?
- ✓ IF THE CONDUIT EXTENDS ABOVE THE ROOF, IS IT GALVANIZED CONDUIT?
- ✓ IF THE CONDUIT DOES NOT EXTEND ABOVE THE ROOF, HAS A EYEBOLT BEEN INSTALLED THROUGH A FRAMING MEMBER?
- ✓ IF THE CONDUIT RISER HAS A SPLICE, DOES THE SPLICE OCCUR WITHIN FOUR FEET OF THE METER BASE?
- ✓ IS THE METER BASE INSTALLED SO THAT THE WIRES TO THE WEATHER HEAD DO NOT CROSS THE ROOF
- ✓ IS THE METER BASE INSTALLED AT THE CORRECT HEIGHT - 5 1/2 FEET
- ✓ USE PENATROX OR OXYGUARD ON ALL ALUMINUM CONNECTIONS

MDEC INC. 1942
MARSHALL-DEKALB ELECTRIC COOPERATIVE

MARSHALL-DEKALB ELECTRIC COOPERATIVE
200 AMP THREE PHASE METER SOCKET

11-27-2013

MINIMUM.
HOT LEGS - 200 AMP
3/0 INSULATED COPPER
OR 4/0 INSULATED
ALUMINUM

MINIMUM.
1/0 INSULATED
COPPER OR
2/0 INSULATED
ALUMINUM
NEUTRAL

MINIMUM.
#4 BARE COPPER

2 1/2" RIGID CONDUIT
Minimum

NOTE #1:
FOR 120/240 DELTA
POWER LEG
MARKED WITH
ORANGE TAPE
MUST BE ON RIGHT
HAND SIDE OF METER
SOCKET

BYPASS

NOTE #2
FOR 120/240 DELTA
POWER LEG
MARKED WITH
ORANGE TAPE
(MIDDLE LUG IN SWITCHBOX)

