



## **Sequachee Valley Electric Cooperative Mobile Home Service Center Guidelines**

Electric service may be provided to a mobile home where SVEC distribution facilities are available and adequate, and when the applicant has installed the required service entrance equipment as indicated below:

### **SERVICE REQUIREMENTS:**

1. SVEC must spot the meter pole after the mobile home is located on the property.
2. Applicant must complete application and any contracts required.
3. Applicant must pay construction cost (if applicable) and deposit.
4. Applicant must obtain Tennessee State wiring permits and pass electrical inspection. Permits must be purchased before inspection.
5. Applicant must obtain a building permit, if applicable.
6. Applicant must clear right-of-way to SVEC specifications.
7. Wiring must be done by homeowner, or an Electrician registered with the State of Tennessee.
8. Mobile home must have a HUD, Tennessee electrical decal or pass State of Tennessee inspection.
9. All wiring must comply with Article 550 of the National Electrical Code, current edition.
10. On the day of scheduled electrical inspection, mobile home shall be made accessible (steps and doors unlocked).
11. Mobile home installer must purchase & place a TN Manufactured Housing Decal on panel cover.

### **POLE GUY AND ANCHOR:**

1. Pole must be pressure treated and a minimum of 6" diameter. (round or square pole may be used)
2. Pole must be at least 4 Feet in ground & properly guyed or a pressure treated 4x4x12ft push brace.
3. Pole must provide adequate height for proper service drop clearance.
4. All equipment, including pole, guy and anchor, must be provided and installed by the Applicant.

### **SERVICE DROP CLEARANCES:**

1. Yard - 12 feet from conductors to finished ground.
2. Public Road - 18 feet from conductors to finished ground.
3. Residential Drive - 15 feet from conductors to finished ground.

### **CONDUIT TYPE:**

1. Riser conduit shall consist of Rigid, IMC, EMT, or PVC conduit. If a metal weatherhead is used with PVC conduit, Metal weatherhead shall be bonded to the grounding system.
2. For poles installed within 12" of surface of mobile home, conduit from outside disconnected to inside panel must be Rigid, IMC, EMT, PVC, or liquid tight flexible conduit. Conduit may be buried or above ground, except EMT which is not approved for burial. From point of entry underneath the mobile home to the switch box of the mobile home, the conduit may be buried a minimum depth 2". If conduit is above ground, the conduit shall be supported with approved conduit straps and fittings every 5' or closer.
3. For poles installed over 12" from the surface of mobile home, Schedule 80 PVC, Rigid metal, or IMC metal conduit shall be used on the pole below the disconnect. When conduit enters the ground, Schedule 40 PVC conduit is permitted. The conduit shall be buried 18" below finished ground level. Once the conduit is underneath the mobile home, the burial depth may be reduced to a minimum of 2".

### **OUTSIDE DISCONNECT:**

1. Outside disconnect shall be located within sight of & not more than 30' from surface of home.
2. Outside disconnect shall be a weatherproof UL approved main disconnect and sized according to inside panel. It may be a breaker or fuse type, and shall have provisions for wiring in additional electrical equipment by a fixed wiring method to conform with Article 550-23 of NEC.
3. Outside disconnect shall be mounted not less 2' above finished ground to conform with Article 550-23F of NEC.
4. Meter base & outside disconnect shall be securely fastened to pole with non-corrosive lag screws.

## MINIMUM CONDUIT AND CONDUCTOR SIZE

### CONDUCTOR SIZE FROM WEATHERHEAD TO OUTSIDE DISCONNECT

Copper Conductor		
	100 amp	200 amp
2-Black	4	2/O
1-White	6	1
Conduit Size	1 ½"	2"

Aluminum Conductor		
	100 amp	200 amp
2-Black	2	4/O
1-White	4	2/O
Conduit Size	1 ½"	2"

### CONDUCTOR SIZE FROM OUTSIDE DISCONNECT TO INSIDE PANEL

Copper Conductor		
	100 amp	200 amp
2-Black	4	2/O
1-White	6	1
1-Green	6	6
Conduit Size	1 ½"	2"

Aluminum Conductor		
	100 amp	200 amp
2-Black	2	4/O
1-White	4	2/O
1-Green	4	4
Conduit Size	1 ½"	2"

#### ADDITIONAL NOTES:

1. All conductors must have a temperature rating of 75 degrees C.
2. Conductor types that can be used in conduit: RH, RHH, RHW, RUH, THHN, THW, THWN, XHHW, UF
3. Conductor types that can be used for direct burial: USE or UF
4. Type USE wire cannot be terminated inside of the mobile home panel (unless it is dual rated USE wire).
5. The minimum size pole service for a mobile home is 100 amperes.
6. If aluminum conductor is used, all connections must be certified for aluminum, or copper and aluminum, and treated with an inhibitor.
7. If direct burial conductor is used, it must be installed in conduit both down the pole into the ground and out of the ground beneath the mobile home up to the inside panel. Direct burial conductor must be buried to a minimum depth of 24". (SEE CONDUIT TYPE, CONDUIT AND CONDUCTOR SIZES, AND POLE DIAGRAM.)
8. All mobile homes are subject to the Tennessee Mobile Home and Anchoring Act, effective July 1, 1977.
9. All code requirements herein and approved by the State of Tennessee.

If additional information is needed, contact Sequachee Valley Electric Cooperative at the following telephone number:

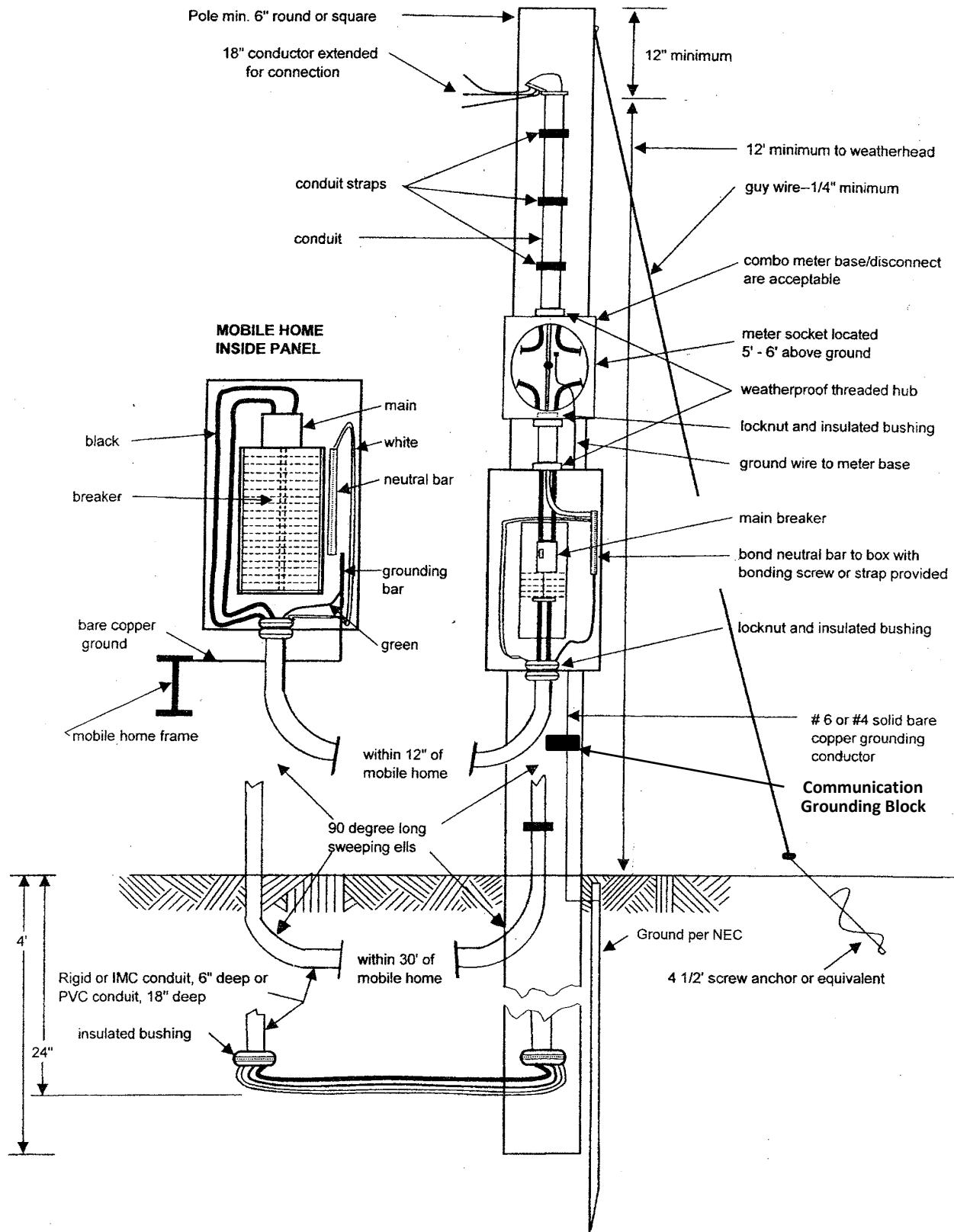
South Pittsburg - 423-837-8605

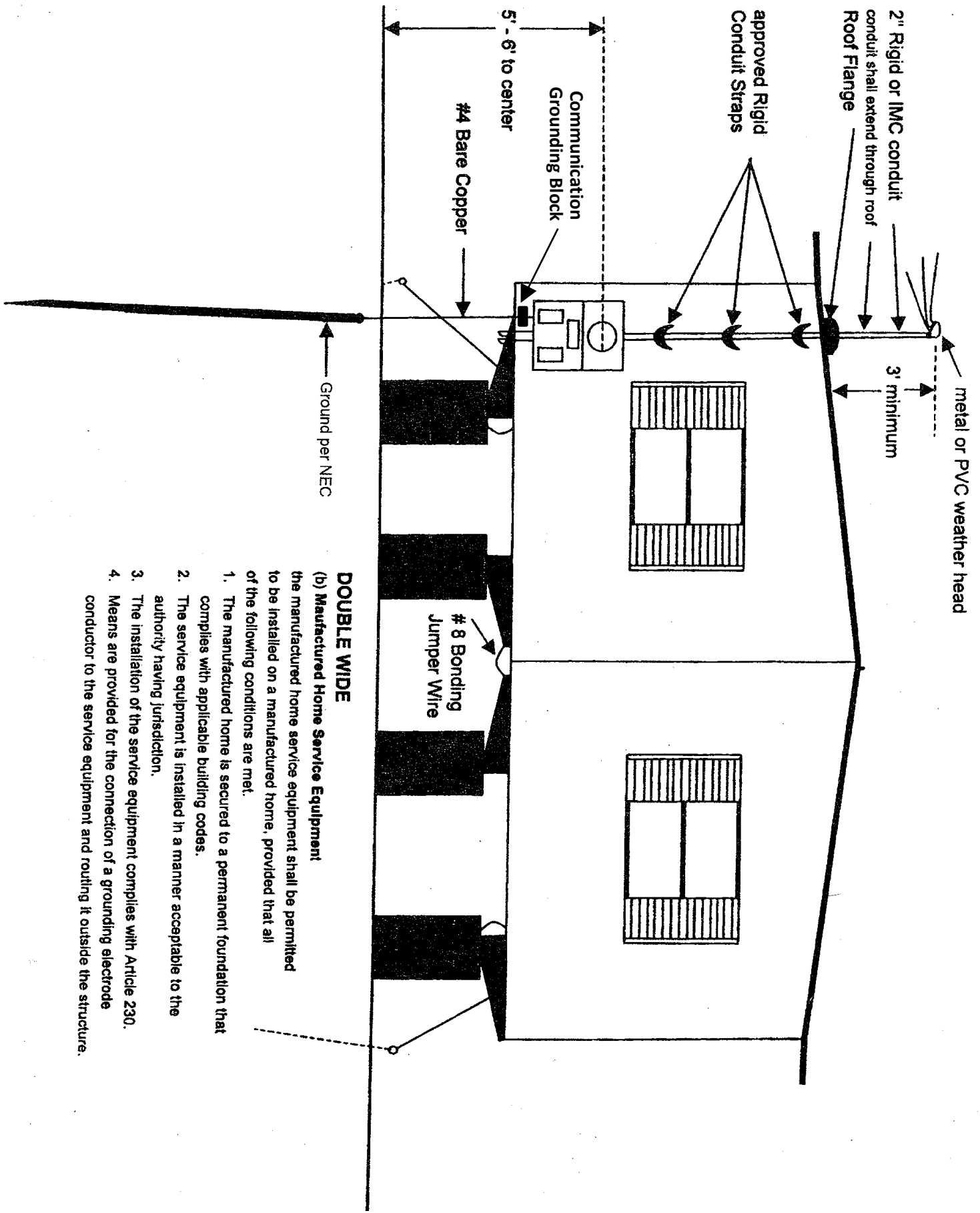
Tracy City -931-592-2511

Dunlap - 423-949-2198

Pikeville - 423-447-2131

# GUIDELINES-WIRING DIAGRAM FOR MOBILE HOME SERVICE CENTER





- DOUBLE WIDE**
- (b) Manufactured Home Service Equipment**
- the manufactured home service equipment shall be permitted to be installed on a manufactured home, provided that all of the following conditions are met.
1. The manufactured home is secured to a permanent foundation that complies with applicable building codes.
  2. The service equipment is installed in a manner acceptable to the authority having jurisdiction.
  3. The installation of the service equipment complies with Article 230.
  4. Means are provided for the connection of a grounding electrode conductor to the service equipment and routing it outside the structure.