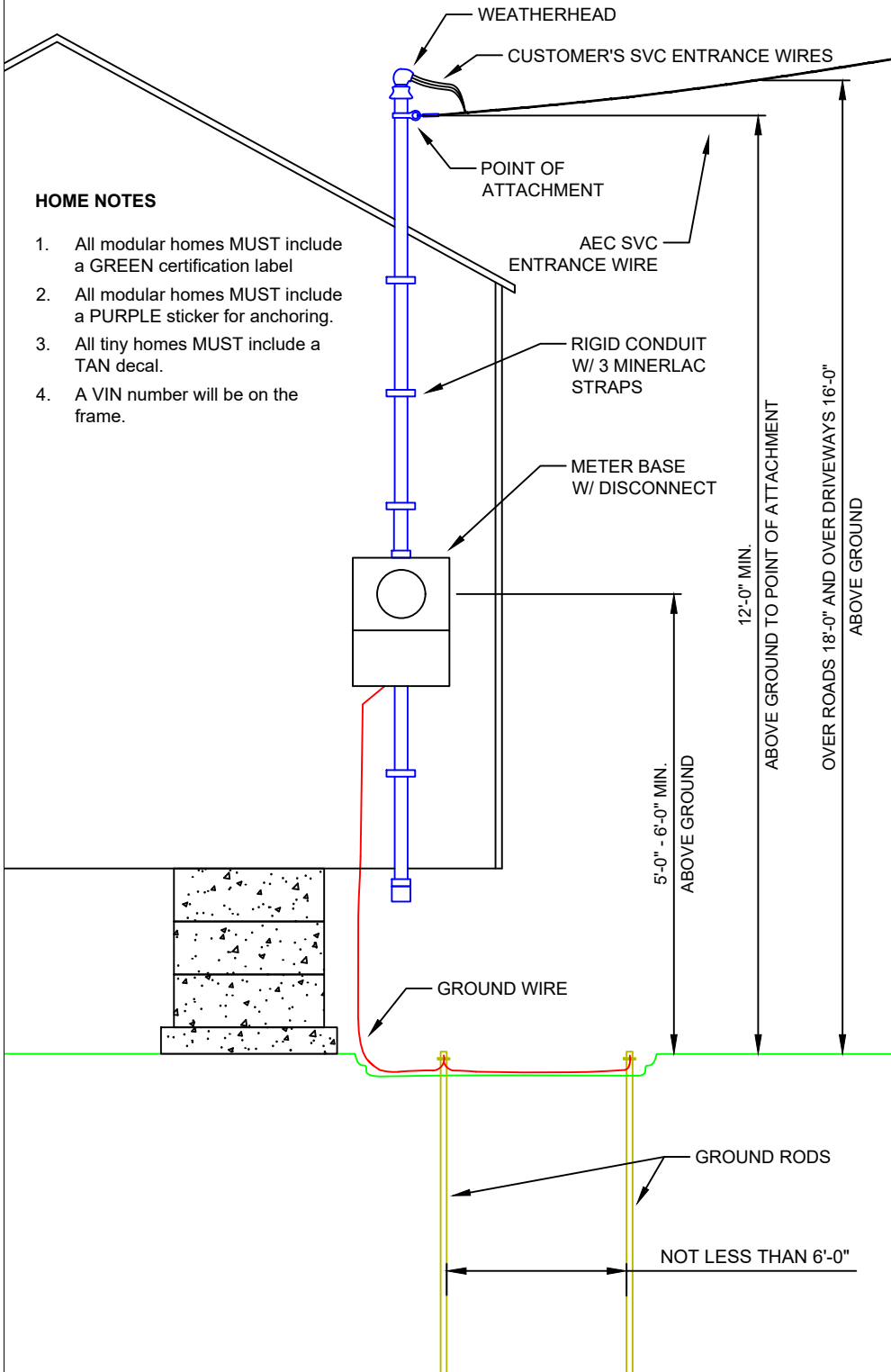


Appalachian Electric Cooperative

Electrical Service Installation Guide Mobile Home or Tiny Home Overhead Service to Above the Roof 100-200 Amp, 240/120 Volt Single Phase



HOME NOTES

1. All modular homes MUST include a GREEN certification label
2. All modular homes MUST include a PURPLE sticker for anchoring.
3. All tiny homes MUST include a TAN decal.
4. A VIN number will be on the frame.

SERVICE NOTES:

1. WEATHERHEAD: In most applications on a pitched roof, weatherhead can be no less than 36" above the roof. maximum height above roof without guying and bracing conduit: (2 1/2" RIGID CONDUIT - 48" LONG) "When necessary to exceed these height requirements, conduit must be properly braced or guyed.
2. CUSTOMER'S SERVICE ENTRANCE WIRES: A minimum of 18" must be left extending through the weatherhead. Neutral wire must be white or marked white throughout the service.

| | 100AMP | 200AMP |
|-------------------|--------|--------|
| COPPER CONDUCTORS | #2 | #2/0 |
| COPPER NEUTRAL | #4 | #1/0 |

| | 100AMP | 200AMP |
|---------------------|--------|--------|
| ALUMINUM CONDUCTORS | #1 | #4/0 |
| ALUMINUM NEUTRAL | #2 | #2/0 |
3. RIGID CONDUIT W/3 MINERLAC STRAPS: Rigid metal conduit must be used for through-the-roof installations. Conduit Sizes: 2 1/2" - 100A / 200A At least (3) Minerlac straps must be used above meter base when there is no overhang to help support conduit.
4. METER BASE W/DISCONNECT: Customer must contact AEC to have meter base location spotted. AEC has the right to require relocation of meter base when customer has not complied with this requirement.
5. GROUND WIRE: Ground wire must be no smaller than #6 bare copper.
6. (2) GROUND RODS: Ground rods must be 5/8" x 8', galvanized or copper with approved teardrop-type clamp.

| | | | ORIGINAL | | | | REVISION | | | |
|----------------------------------|-------------|--|----------|-----|-----|------------|----------|-----|-----|------------|
| APPALACHIAN ELECTRIC COOPERATIVE | A E C | DESCRIPTION | BY | CKD | APR | ORG. DATE: | BY | CKD | APR | REV. DATE: |
| | | Mobile Home Above the Roof Overhead (200A, 240/120V, 1Ø) | BLC | AWN | AWN | 6/19/20 | - | - | - | 9/7/22 |