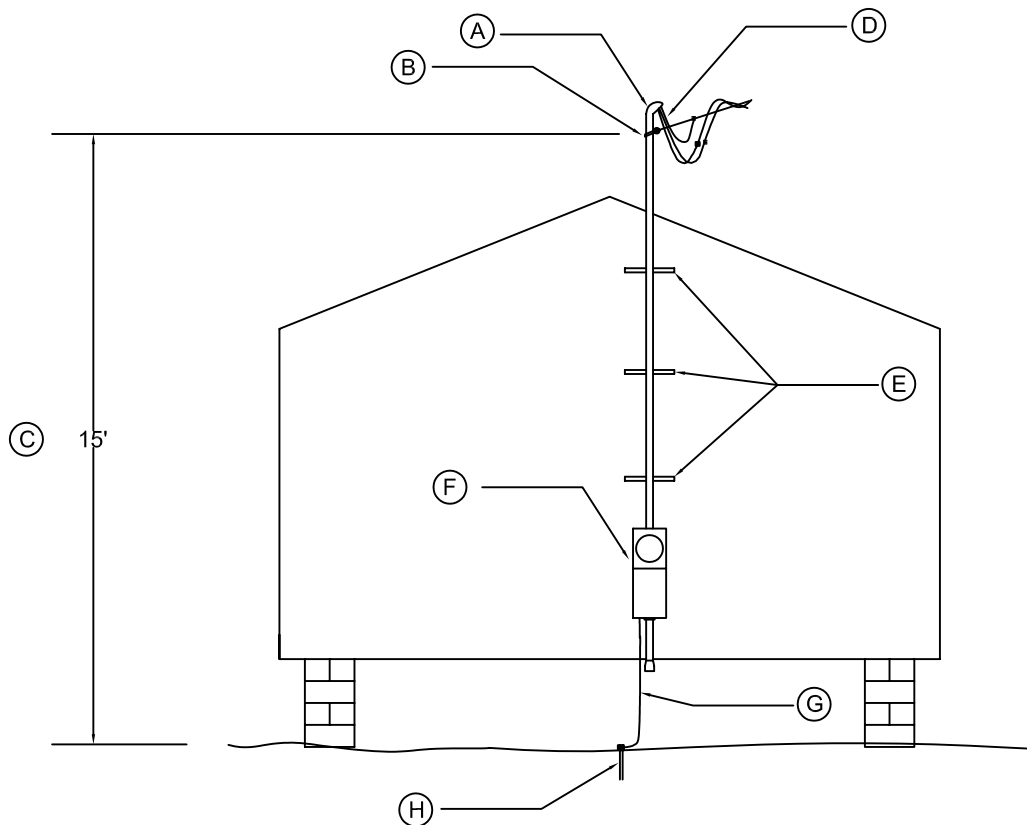


JOHNSON CITY POWER BOARD

OVERHEAD SERVICE MOUNTED TO A SINGLE WIDE MANUFACTURED HOME



Note: this is to be used as a guide only. Some installations may vary. All installations must meet NEC, NESC, and JCPB REQUIREMENTS

- (A) **Weatherhead:** In most applications on a pitched roof, weatherhead can be no less than 30 inches above the roof and no more than 5 1/2' above roof.
- (B) **Point of Attachment:** The minimum point of attachment is 15 feet above finish grade.
- (C) **Minimum Clearance Requirement:** The following clearances for JCPB service entrance wire shall be provided by the customer:
 - over Roads..... 18 feet
 - Driveway..... 16 feet
- (D) **Customer Service Entrance Wire:** A minimum of 18" must be left extending through the weatherhead. Neutral wire must be white or marked white throughout the service.
- (E) **Attachment to the Home:** Rigid metal conduit must be used above the roof. Conduit size must be 2 1/2". Conduit shall be secured with 3 pieces of Kendorf from stud to stud and 3 Kendorf type straps.
- (F) **Meter Base w/Disconnect:** Customer must contact JCBP engineering to have meter base location spotted. JCPB has the right to require relocation of the meter base when customer has not complied with this requirement. Meter base must be mounted 5 1/2 feet, to the top of the meter base, above finish grade.
- (G) **Ground Wire:** Ground wire must be no smaller than 6 bare copper.
- (H) **Ground Rod:** Ground rod must be 5/8" x 8 feet, galvanized or copper with approved teardrop-type clamp.

	<u>Conductor Sizes</u>		<u>Neutral Sizes</u>	
	<u>Copper</u>	<u>Aluminum</u>	<u>Copper</u>	<u>Aluminum</u>
100 amp	4 AWG	2 AWG	4AWG	2AWG
200 amp	2/0 AWG	4/0 AWG	1/0 AWG	2/0 AWG

Johnson City Power Board requires services to be on the ends of home and to be spotted by a JCPB engineer.