

SERVICE CONTACTS TO A SERVICE MAST

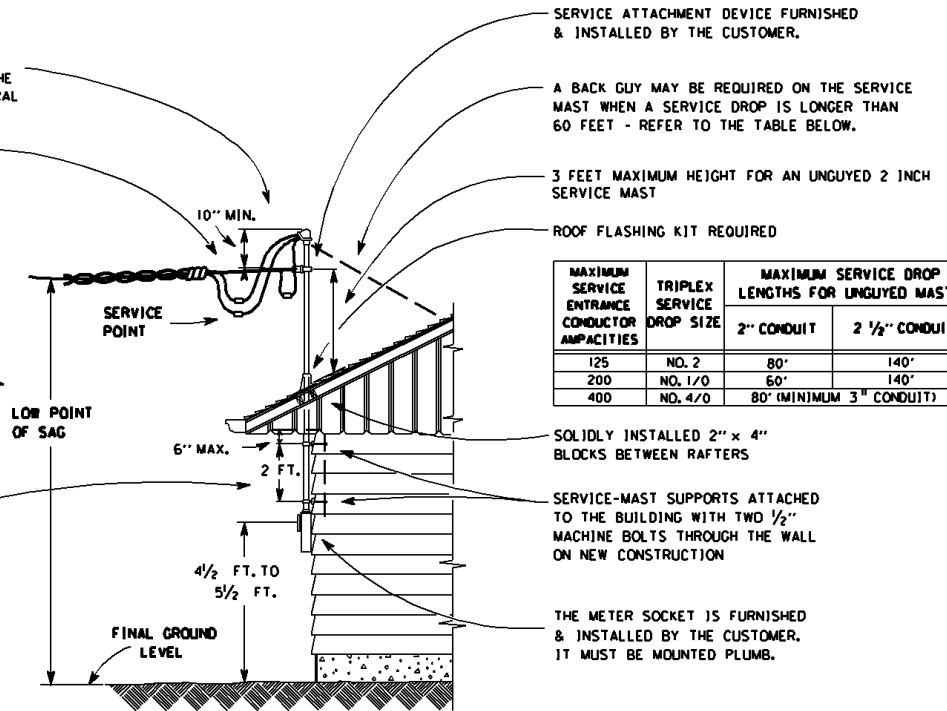
REVISED 2/03

THE SERVICE-ENTRANCE CONDUCTORS MUST EXTEND AT LEAST 3 FT. FROM THE WEATHERHEAD FOR FORMING THE DRIP LOOP. THE GROUNDED SERVICE NEUTRAL CONDUCTOR MUST BE BARE THE ENTIRE LENGTH OUTSIDE OF THE WEATHERHEAD OR HAVE NATURAL WHITE OR GRAY INSULATION.

THE SERVICE-DROP AND FINAL CONNECTIONS ARE INSTALLED BY THE COMPANY. THE PERMANENT CONNECTION IS MADE AT THE BOTTOM OF THE DRIP LOOP.

SEE DRAWING 600 FOR SERVICE DROP CLEARANCE REQUIREMENTS

A SERVICE MAST USED AS A SERVICE CONDUCTOR RACEWAY MUST BE A MINIMUM OF 2 INCHES OF RIGID STEEL CONDUIT OR INTERMEDIATE METALLIC CONDUIT (IMC) & MUST BE RIGIDLY SUPPORTED AT THE ROOF LINE, AT A POINT NOT OVER 6 INCHES BELOW THE OVERHANG & AGAIN AT A 2 FOOT SPACING BELOW THE TOP MAST CLAMP. WHEN ADDITIONAL MAST LENGTH IS REQUIRED, ADDITIONAL MAST CLAMPS MUST BE INSTALLED AT 2' INTERVALS. EACH SUPPORT MUST BE CAPABLE OF WITHSTANDING A 1200LB. HORIZONTAL TENSION. A MINIMUM OF TWO MAST CLAMP SUPPORTS MUST BE INSTALLED BELOW THE OVERHANG. COUPLINGS, IF REQUIRED FOR ADDITIONAL HEIGHT OF A SERVICE-MAST, MUST BE BELOW THE SECOND SUPPORT FROM THE ROOF LINE. (SEE ARTICLE 305F)



- SERVICE ATTACHMENT DEVICE FURNISHED & INSTALLED BY THE CUSTOMER.
- A BACK GUY MAY BE REQUIRED ON THE SERVICE MAST WHEN A SERVICE DROP IS LONGER THAN 60 FEET - REFER TO THE TABLE BELOW.
- 3 FEET MAXIMUM HEIGHT FOR AN UNGUYED 2 INCH SERVICE MAST
- ROOF FLASHING KIT REQUIRED

MAXIMUM SERVICE ENTRANCE CONDUCTOR AMPACITIES	TRIPLEX SERVICE DROP SIZE	MAXIMUM SERVICE DROP LENGTHS FOR UNGUYED MASTS	
		2" CONDUIT	2 1/2" CONDUIT
125	NO. 2	80'	140'
200	NO. 1/0	60'	140'
400	NO. 4/0	80' (MINIMUM 3" CONDUIT)	

- SOLIDLY INSTALLED 2" x 4" BLOCKS BETWEEN RAFTERS
- SERVICE-MAST SUPPORTS ATTACHED TO THE BUILDING WITH TWO 1/2" MACHINE BOLTS THROUGH THE WALL ON NEW CONSTRUCTION
- THE METER SOCKET IS FURNISHED & INSTALLED BY THE CUSTOMER. IT MUST BE MOUNTED PLUMB.