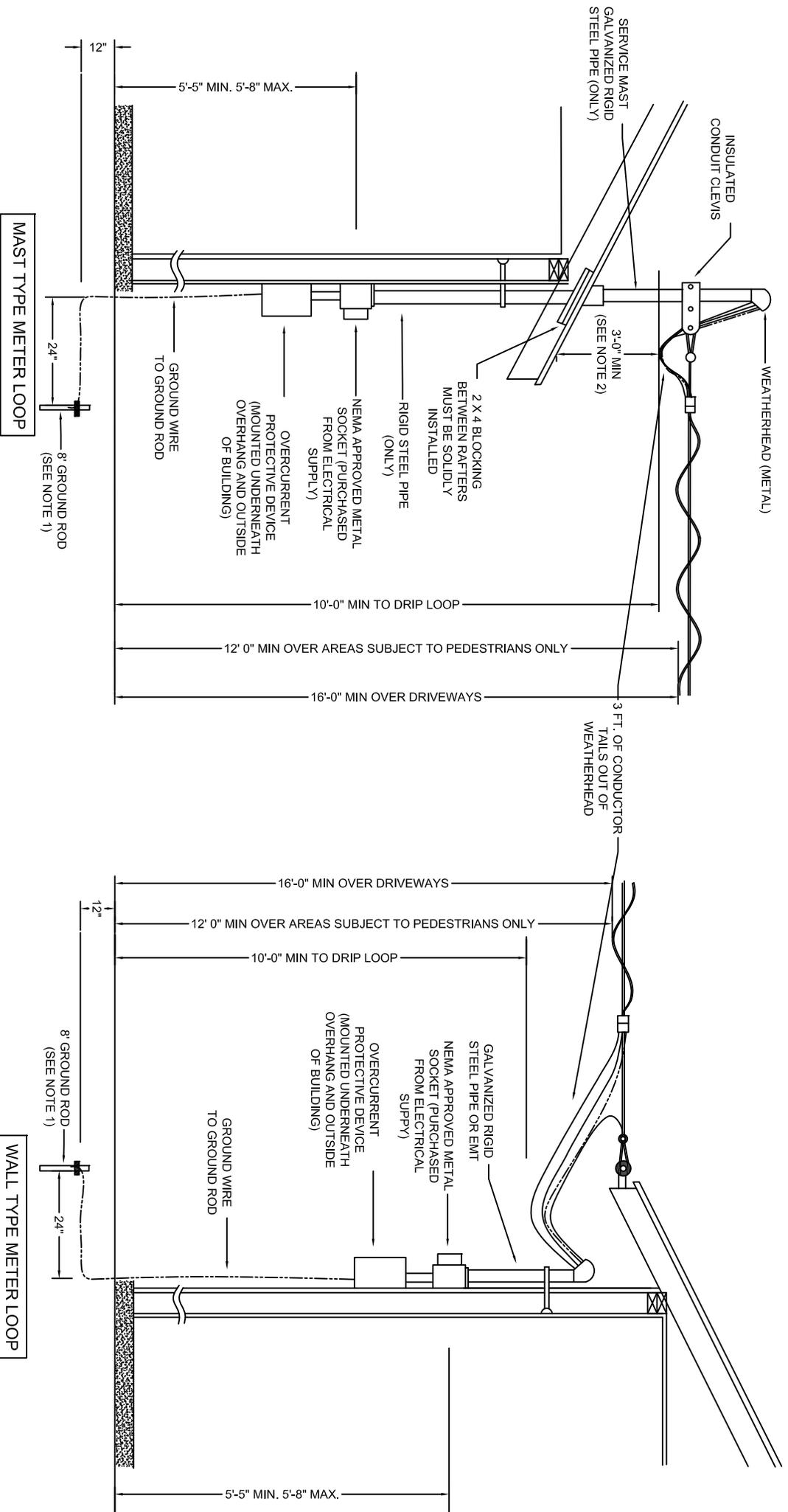


CENTRAL ELECTRIC POWER ASSOCIATION ELECTRICAL SERVICE ENTRANCE DRAWING

*SEE BACK OF DRAWING FOR ADDITIONAL INFORMATION



Conductor Sizes for General Purpose Service Equipment					
Service Rating (Amperes)	Minimum Ungrounded Conductor Size (AWG or kcmil)		Typical Grounded/Neutral Conductor Size (AWG or kcmil)		Grounding Electrode and Bonding Conductor Size
	Copper	Aluminum	Copper	Aluminum	
100	4	2	6	4	6
200	2/0	4/0	1/0	2/0	4
400	400	600	300	400	1/0
600	parallel 350	parallel 500	parallel 250	parallel 350	2/0

This table is only a guide and is not intended to be a comprehensive list of acceptable conductor sizes. The NEC should be reviewed to ensure compliance with all applicable requirements, including but not limited to conductor size, material, and insulation type.

Notes:

1. A single ground electrode shall be supplemented by an additional electrode when the single electrode does not have a resistance to earth of 25 ohms or less.
2. Clearance may be reduced to 18 inches if not more than 6 feet of conductors pass over the roof and the service mast is located within 4 feet of the edge of the roof, measured horizontally.
3. Drawing and recommendations are intended to serve as guidance for compliance with code and utility requirements. The NEC and/or Local Code Authorities may have additional requirements than those shown. The more stringent requirement will take precedence for differences between authorities.