

Maximum Recommended Overhead Service Length (Triplex Conductors)	
Service Size	Length
100 Amp	100'
200 Amp	75'
320 Amp	50'

Point of Attachment  
13'-6" Above Sidewalks  
(Restricted Traffic)  
16' Minimum Vertical Clearance  
Above Residential and Public  
Driveways, Alleys, Roads and  
Construction Areas

13'-6" minimum to 21'-0" maximum to  
Point of Attachment.

Galvanized Rigid Steel Service  
Mast Required (Refer To Below  
Table For Conduit Size)

**\*\*NOTE\*\***  
Joints Are NOT Permitted in Conduit  
At or Above Roof Level or Where  
Conduit is Concealed By Roof.

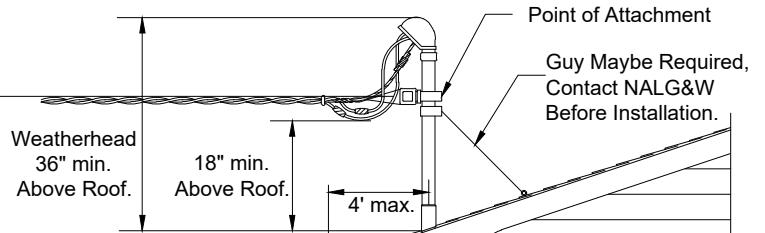
2' Max.  
Between  
Straps.

5'-6"  
Meter Socket Height

3' min.  
working  
clearance

Copper Ground Wire  
Attached to Wall

6' Minimum



**General Notes:**

1. Building Roof Designs May Differ From Design Shown.
2. Meter Socket and Conduit Straps Shall Be Fastened to Building Using Lead Anchors (Brick or Solid Masonry), Toggle Bolts (Other Masonry Siding) or Wood Screws (Studs, Solid Lumber). All Screws and Bolts Shall Be Corrosion Resistant.
3. A Minimum of 18" of Each Conductor Shall Extend from the Top of the Service Mast. The NEUTRAL Shall Be Marked with White Tape at Both Ends.
4. No Telephone or Cable Attachment Allowed on Service Mast.
5. Point of Attachment Shall Be Accessible to NALG&W's Bucket Truck or Have Enough Surface (Such as Wall or Building Structure) and Sufficient Ground Space on Same Customer's Property to Safely Support a Ladder.
5. Two (2) 5/8" x 8' Ground Rods with Bronze Ground Clamps At or Just Below Ground Level.
6. Ground Wire Shall be Continuous from Neutral Bus Through Meter Socket to Ground Rods.

Minimum Customer Wiring Size-Family Residential Single Phase

Meter Size	Conduit size	Phase Wire Size (per NEC)	Neutral Wire Size (per NEC)	Ground Wire Size
		Copper	Copper	
100 Amp	2"	#2	#2	#4
200 Amp	2"	#3/0	#1/0	#4
320 Amp	3"	500 MCM	#3/0	#1/0



**TYPICAL PERMANENT OVERHEAD RESIDENTIAL SERVICE**

DRAWN BY:	W.D.G.	JOB NO.	113E6001
CHECKED BY:		DATE	SEPT. 2021
APPROVED BY:		SCALE	NONE

**DRAWING NO. NALG&W-001**

NO.	DATE:	REVISION	BY:	APPR: