



Post type selection based on table on Reference Sheet No. 17

Anchor bolts A307, bolts & nuts	= 1,140 lbs x 2 = 2,280 lbs
Base plates	= 1,413 lbs x 2 = 2,826 lbs
Gussets at post & base plate	= 181lbs x 2 = 362 lbs
Post: Use table "VERTICAL POST QUANTITIES", post VI data	
Left side: Post VI	
= 7,469 + (26.17'-25') x (234 lb/ft) - pipe length for 3" tk base plate	
= 7,469 + (26.17'-25'- <sup>3</sup> / <sub>12</sub> ') x (234 lb/ft)	= 7,684 lbs
Right side: Post VI	
= 7,937 + (27.83'-27') x (234 lb/ft) - pipe length for 3" tk base plate	
= 7,937 + (27.83'-27'- <sup>3</sup> / <sub>12</sub> ') x (234 lb/ft)	= 8,073 lbs
Mast arm:	
Length of mass arm	= 99 ft
Weight = 99 ft x 118.74 lb/ft	= 11,755 lbs
Field splice plates ( 2 pair )	= 1,336 lbs x 2 = 2,672 lbs
Bolts & nuts	= 115 lbs x 2 = 230 lbs
<sup>3</sup> / <sub>4</sub> " square bar on mass arm = 99 ft x 1.91 lb/ft.	= 189 lbs
Mounting bracket assemblies:	
No. of bracket = (123'-8.5'-9')/5.5' = 20 spaces + 1	= 21 brackets
Clamp assembly = 19 x 86 lbs	= 1,634 lbs
Mounting brackets = 21 x 121 lbs	= 2,541 lbs
Mounting bracket supports at elbow 2 x 9 lbs	= 18 lbs
Walkway assembly:	
Total weight (105.5 ft x 75 lb/ft)	= 7,913 lbs
Subtotal:	= 48,177 lbs
Galvanized structure + 3.5%	= 1,686 lbs
Total weight:	= 49,863 lbs

Anchor bolts A307, bolts & nuts	= 1,140 lbs x 2 = 2,280 lbs
Base plate	= 1,413 lbs x 2 = 2,826 lbs
Gussets at post & base plate	= 181lbs x 2 = 362 lbs
Post: Use table "SLANTED POST QUANTITIES", post VI data	
Left side: Post VI	
= 7,520 + (26.18'- 25') x (234 lb/ft) - pipe length for 3" tk base plate	
= 7,520 + (26.18'- 25') x (234 lb/ft) - ( <sup>3</sup> / <sub>12</sub> " ) x 234	= 7,742 lbs
Right side: Post VI	
= 7,996 + (27.83'- 27') x (234 lb/ft) - pipe length for 3" tk base plate	
= 7,996 + (27.83'- 27') x (234 lb/ft) - ( <sup>3</sup> / <sub>12</sub> " ) x 234	= 8,135 lbs
Mast arm:	
Length of mass arm	= 93.3 ft
Weight = 93.3 ft x 118.74 lb/ft	= 11,078 lbs
Field splice plates ( 2 pair )	= 1,336 x 2 = 2,672 lbs
Bolts & nuts	= 115 x 2 = 230 lbs
<sup>3</sup> / <sub>4</sub> " square bar on mass arm = 93.3 ft x 1.91 lb/ft	= 178 lbs
Mounting bracket assemblies:	
No. of bracket = (123'-8.5'-9')/5.5' = 20 spaces + 1	= 21 brackets
Clamp assembly = 19 x 86 lbs	= 1,634 lbs
Mounting brackets = 21 x 121 lbs	= 2,541 lbs
Gusset support at elbow 2 x 9 lbs	= 18 lbs
Walkway assembly:	
Total weight (105.5 ft x 75 lb/ft )	= 7,913 lbs
Subtotal:	= 47,609 lbs
Galvanized structure + 3.5%	= 1,666 lbs
Total weight:	= 49,275 lbs

Note: Refer to Reference Sheet No. 16 "OVERHEAD SIGNS - TUBULAR SINGLE POST TYPE" for quantities.

<b>THIS SHEET NOT A PART OF CONTRACT PLANS</b>	
<b>OVERHEAD SIGNS-TUBULAR TWO POST TYPE</b>	
<b>QUANTITIES</b>	<b>18</b>

ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN