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

Anchor bolts A307, bolts & nuts
Base plate
Gussets at post & base plate

Post: Use table "VERTICAL POST QUANTITIES", post VI data
Left side: Post VI
\[ = 1,469 + (26.17 - 25) \times (234 lb/ft) = 1,469 + 26.17 \times 234 \text{ lb/ft} \]
Right side: Post VI
\[ = 1,469 + (27.83 - 27) \times (234 lb/ft) \]

Post arms:
Length of mass arm
\[ = 99 \text{ ft} \times 118.74 \text{ lb/ft} \]
Field splice plates (2 pair)
Bolts & nuts
\[ = 1,469 \text{ lb} \times 2 = 2,938 \text{ lb} \]
\[ = 1,469 \text{ lb} \times 2 = 2,938 \text{ lb} \]

3/4" square bar on mass arm
99 ft x 118.74 lb/ft

Mounting bracket assemblies:

No. of bracket + (123 - 30 - 3)/5.5 = 20 spaces + 1
Clamp assembly + 19 x 86 lb
Mounting brackets + 21 x 121 lb
Mounting bracket supports at elbow 2 x 9 lbs

Railway assembly:
Total weight (105.5 ft x 15 lb/ft)
Subtotal:
Galvanized structure + 3.5%
Total weight:

Anchor bolts A307, bolts & nuts
Base plate
Gussets at post & base plate

Post: Use table "SLANTED POST QUANTITIES", post VI data
Left side: Post VI
\[ = 1,330 + (26.17 - 25) \times (234 lb/ft) \]
Right side: Post VI
\[ = 1,330 + (27.83 - 27) \times (234 lb/ft) \]

Mount arm:
Length of mass arm
Weight = 93.3 ft x 118.74 lb/ft
Field splice plates (2 pair)
Bolts & nuts

3/4" square bar on mass arm
93.3 ft x 118.74 lb/ft

Mounting bracket assembly:

No. of bracket + (123 - 30 - 3)/5.5 = 20 spaces + 1
Clamp assembly + 19 x 86 lb
Mounting brackets + 21 x 121 lb

Gusset support at elbow 2 x 9 lbs

Railway assembly:
Total weight (105.5 ft x 75 lb/ft)
Subtotal:
Galvanized structure + 3.5%
Total weight:

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