

POLE RADIAL ORIENTATION

Design Loading for METAL POLE NO. 2



8 BOLT BASE PLATE DETAIL


BASE PLATE TEMPLATE \& ANCHOR BOLT
LOCK PLATE DETAIL For 8 Bolt Base Plate

| MAST ARM LOADING SCHEDULE |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { LOADING } \\ & \text { SMBOL } \end{aligned}$ | descripion | AREA | sIzE | weight |
| $8$ | RIGID MOUNTED SIGNAL HEAD 2"-3 SECTION-WITH BACKPLATE | 9.3 S.F. |  | 60 LBS |
| 象 | Rigid mounted signal head <br> 2"-4 SECTION-WITH BACKPLATE | 11.5 S.f. | $\left.\begin{array}{\|l\|} \hline 25.55^{V^{\prime \prime}} \\ 66.0^{\circ} \mathrm{L} \end{array} \right\rvert\,$ | 74 LBS |
| 5 | STREET NAME SIGN | 12.0 S.F. |  | 27 LBS |

notes
desion reference material
Design the troffic signal structure and foundation in occor donce with:
. The 6 th Edition 2013 Ashtro "Stondord Speci if ications for stro
 The 2018 ncoot "St standard Specificicoti ins for foods and Structures." The lotest odidenda to


desicn reouirements
Design the troffic signol structure using the looding conditions shown in the elevation
views. These ore ont cicipoted worst cose "desi ion loods" ond moy not reperesent the octual views. These are ont ici ioted worst cose "desi ign loads" ond moy not represent the actual
loods thot will be opplied ot the time of the instal I lition. The controctor should refer to



 o. Nominal vertical rise in most orm is 5 feet os measur
bose to the center line of the free end of the orm.
b. Signal heods ore rigidily mounted ond vertically centered on the most orm.
c. The roodway clearance height for design is as shoun in the elevotion views.
c. The roodwy clearance hergh
d. The top of the pole base plate is 0.75 feet obove the ground el evation.
e. Refer to the Elevotion Doto Chort for the e levore ion idfferences between the proposed
foundotion ground level ond the high point of the roocwoy.
 proposed foundation ground llevel ond the edger of trovel woy. This informotion is necessar)
to enest to ensure that the roodway clearance is mointoined at the edge of the trovel woy and to
oid in the comber design of the orm. The pole monutucacturer will det thernin

- Most orm ottocchment height (H1) plus 2 fest



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& \text { ossi istance of (1919) } 814-5000 \text {. } \\
& \text {. The controctor is responsi }
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Allmetalpoles and arms should be Hunter Green in color as specified in


