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REVISIONS DESCRRPTION

nitiol release EVIIIONS | DATE | APPROVED |
| :--- | :--- |
| $1 / 2021$ | MGC | DATE

$\begin{gathered}\text { APPROVED } \\ 1 / 2021 / 21 \\ 21 / 21 \\ M G C \\ M G C\end{gathered}$


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## Notes 2

- Maximum Ballast Volume $=60 \mathrm{cu}-\mathrm{m}(78.5 \mathrm{cu}-\mathrm{yds}, 2120 \mathrm{cu}-\mathrm{ft})$
- Unit Weight
- $\quad c u-f t=45.45 \mathrm{~kg}(100 \mathrm{lbs})$
- $\quad c u-y d=1227.3 \mathrm{~kg}(2700 \mathrm{lbs})$
- $\quad c u-m=1605.5 \mathrm{~kg}$ (3532 lbs)
- Steel Structure Self Weigh
- Foundation - 9533kg (20973lb)




## Notes 3

AFS1700 Bill of Materials

1. All plate material shall shall have a minimum yield strength of $355 \mathrm{MPa}(50 \mathrm{ksi})$
Tube shall be $114 \mathrm{~mm} \times 6 \mathrm{~mm}$ GR. Q355 ( $4.5^{\prime \prime} \times 0.25^{\prime \prime}$ ASTM A500 Gr B)
2. All right angles shall be Q355 (ASTM A572 Gr 50) or equivalent
3. All welding shall conform to the minimum requirements of AWS DI. 1
4. All welding shall be done by welders qualified under AWS specifications, using E70XX, low hydrogen electrodes
5. All components shall Hot Dip Galvanized in accordance with

ASTM A123
7. Debur all sharp edges


AFS 1700 Bolts, Nuts \& Washers (other equivalent grades acceptable)

|  | AFS 1700 Bolts, Nuts \& Washers (other equivalent grades acceptable) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \# | Unit | Bolt Size | Length | Width Across Flats | Thread Length | Grade | Coating | Nut Qty. | Washer Qty. | Bolt Qty. |
| 15 | Metric | M20x2.5 | 65 mm | 30mm | Full Thread | 8.8 | Hot Dip Galv. | 108 | 216 | 108 |
| 15 | Imperial | 3/4-10 | 2.5 " | $11 / 8{ }^{\prime \prime}$ | Full Thread | A325 | Hot Dip Galv. | 108 | 216 | 108 |
| 16 | Metric | M24x3 | 75mm | 36 mm | Full Thread | 8.8 | Hot Dip Galv. | 126 | 252 | 126 |
| 16 | Imperial | 1-8 | 3 ' | 1-1/2" | Full Thread | A325 | Hot Dip Galv. | 126 | 252 | 126 |
| 17 | Metric | M33x3.5 | 300mm | 50mm | 300 mm | 8.8 | Hot Dip Galv. | 132 | 176 | 44 |
| 17 | Imperial | 11/4-7 | 12" | 2 " | 12" | A325 | Hot Dip Galv. | 132 | 176 | 44 |


|  | US Patent \# 9428877 China Patent \# ZL201 $490000869 . X$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | CAD-generated drawing do not manually update |  | $\triangle \mathrm{ARE}$ |  |
| Does not include anchor bolts, templates or flange bolts | APPROVALS | date | $\begin{gathered} \text { AFS } 1700 \\ \text { BOM } \end{gathered}$ |  |
|  | DRHECK MGE | 8/3/19 |  |  |
|  | CHECKED |  |  |  |
| MATERIAL See Notes | RESP ENG |  |  |  |
| FiNISH See Notes | M $M$ G ENG |  | not shown on this drawn con be fund in CAD |  |



Cable Guide Bracket

D


Align mounting holes with center line of pole $[.31 \mathrm{in}]$
7.83 mm


## Fabrication Notes

1. *The number of cable guides will vary based on height of pole and shall be equally spaced between the upper and lower cable mount brackets.
2. All plate material shall shall have a minimum yield strength of 345 MPa ( 50 ksi )
3. All welding shall conform to the minimum requirements of AWS D1.1
4. All welding shall be done by welders qualified under AWS specifications, using E7OXX, low hydrogen electrodes
5. Hot Dip Galvanized in accordance with ASTM A123
6. Debur all sharp edges

| $\#$ | DESCRIPTION (Optional Grade) | QTY | Weight lb/ kg |
| :---: | :---: | :---: | :---: |
| 1 | Cable Mount Bracket-ASTM A572 GR 50 (Q345 or Q355) | 2 | $1.85 / 0.84$ |
| 2 | Cable Guide Bracket-ASTM A572 GR 50 (Q345 or Q355) | *1 or more | $0.51 / 0.23$ |

