## GHMAT LIGHTING NOTES:

A. One (1) cylindrical supart the following assembly with a maximum effective projected area of $6 \mathrm{sf}(\mathrm{cd=}=1)$ and 340 lbs (Max.)
A.
2. Shop Drawings: This Index is considered fully detailed, only submit shop drawings for minor modifications
not detailed in the Plans.
3. Hio Mast strucura

High Mast Structure Materials:
A. Poles and Backing Rings:
. Less than 3 /, $6^{\prime \prime}$ : ASTM A1011 Grade 50, 55, 60 or 65
Greater than or equal to $3 / h^{\prime \prime \prime}$. ASTM A572 Grade 50, 55 , 60 or 65
ASTM A595 Grade A ( 55 ksi yield) or Grade B ( 60 ksi yield $)$
B. Steel Plates: ASTM A709 or ASTM A36
B. Stee Ares.
C. Pole Caps SASM A1011 Grade $50,55,60$, or 65 or ASTM B209
D. Weld Metal. ETOXX
C. Weld Metal: ETOXX
E. Stainless Steel Screws: AISI 316
F. Anchor Bolts Nuts and
F. Anchor Bolts, Nuts and Washers:
a. Anchor Bolts: ASTM F1554 Grade 55
b. Nuts: ASTM A563 Grade A Heavy-Hex (5 per anchor bolt)
c. Plate Washer: ASTM A36 (2 per anchor bolt)
G. Plate Washer: ASTM A36 (2 per anchor bolt
H. Nuncrete: Class IV (Drilled shat

Reinforcing Steel: Specification Section 415
4. Fabrication $\begin{aligned} & \text { A. Weldin: }\end{aligned}$
A. Poles: Specification Section 460-6. 4
a. Round or 16 -Sided (Min.)
b. Pole Taper: Diameter

Two longer: Dindiameter changing at 0.14 inches per foot
Thelds
d. Longitudinal seam welds within $6^{\prime \prime}$ of pole to base must be complete penetration welds

Longitudinal seam welds at telescopic field joints must be complete penetration welds for
f. Circumferentially welded pole shaft, butt splices and laminated pole shafts are not permitted.
C. Holes for Anchor Bolts: Anchor Bolt
D. Hot Dip Galvanize atter Fabrication.
E. Identificication Taq:

2'x 4 "Max.
b. Locate on the inside of the pole and visible from the handhole.
c. Secure to pole with $1 /{ }^{\prime \prime}$ " diameter stainless steel rivets or screws.
d. Include the following info
2. Pole Type
3. Pole height
4. Manufacturers' Name
5. Fy of Steel
6. Base Wall Thickness
5. Coating.
A. Galvanize Anchor Bolts, Nuts and Washers: ASTM F2329
B. Hot Dip Galvanize all other steel items: ASTM A123
6. Construction:
A. Foundation: Specification Section 455 Drilled Shaft, except that payment is included in the cost of the Structure

Afterifictiation: Place wire screen between top of foundation and bottom of baseplate in accordance with
pecification Section 649-6.




NOTES:

1. At all pull boxes and pole bases, ends of conduit shall be sealed in accordance with Section 630 of the
2. Slabs to be placed around all Poles and Pull Boxes
3. For Pull Boxes between Poles refer to Index 17500
attention must te exercised in the physical apecianmen
of these luminaires to ensure that the aporoved of these luminaires to ensure that the approved
photometric layout is physically produced at each photometric layout is physically produced at each
lighting standard in the field. A marking shall he
placed on the external tiae of placed on the external face of the refractor to
allow visual inspection of aligntent allow visual inspection of alignment. The marking
shall correspond to the $0^{\circ}$ axis of the refractor.


Male Inlet - $2^{\prime \prime}$ slip fitter


Base plate

600 Volt rated Circuit Breaker Cable
size of conductors to be determined Size of conductor

high mast pole wiring diagram

slip clutch
Power Cord
With Male Inlet


Supply cable receptacle
SCHEMATIC OF REMOTE AUXILIARY POWER UNIT

## NOTES:

. Use compacted select material in accordance with Index 505.
2. Concrete shall be Class NS with a minimum strength at 28 days of $\mathrm{f}^{\prime} \mathrm{c}=2.5 \mathrm{ksi}$.
3. Outside edge of slab shall be cast against formwork.
4. The pull box shown is $13^{\prime \prime} \times 24^{\prime \prime}$; others approved under
Section 635 of the Standard Specifications may be used.
5. Slabs to be placed around all Poles and Pull Boxes. In urban areas or where
6. Concrete for
6. Concrete for slabs around poles
in the price of pole or pull box.
7. The expansion joint shall consist of $1 / 2$ of closed-cell polyethelene foam expansion material. The top Mis of expansion material shall be removed after
pouring the slab and sealed with an APL approved Type A sealant meeting the pouring the slab and sealed with an APL approved Type A sealant meeting th
requirements of Section 932.


SLAB DIMENSIONS


| LAST REVISION 07/01/14 | \| |  | HIGH MAST LIGHTING | $\begin{gathered} \text { INDEX } \\ \text { NO. } \\ 17502 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |

