12.7' PEDESTAL VEHICULAR SIGNAL HEAD MOUNTING

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION

11'-3" SHAFT

10'-3" TAPERED SECTION

42" PUSHBUTTON MOUNTING HEIGHT

12" STRAIGHT SECTION

17"

(SEE NOTE 6)

10.25" SQ.

(SEE NOTE 8)

ANCHOR BOLT PATTERN

TAPERED ALUM TUBE
(ALLOY 6063-T6, 0.188" WALL)

GALV STL CONNECTING HARDWARE
(4) 1"-8 NC x 3.75" HEX HEAD BOLTS
(4) 1"-8 NC HEX NUTS
(4) 1" LOCKWASHERS
(4) 1" FLATWASHERS

6061-T6 ALUM ALLOY 13.13"
COSMETIC PLATE WHEN REQUIRED
BASE FLANGE ALLOY 356-T6
WITH BOLT COVERS & SS 1/4"
20 NC HEX HD SCREWS

(SEE NOTE 9)

SIGNAL HEAD, BRACKET MOUNTED

POLE CAP ALLOY
43. 1/4" 20 NC SS
HEX HEAD SCREWS

4.5" OD
'C' OR 'J' HOOK

5"

5"

14.5"

ANCHOR BOLT PATTERN

(SEE NOTE 4)

CITY ENGINEER

STD DWG
4102

8/10/2017

SHT 1 OF 2
NOTES:

1. PEDESTAL SUPPORTS SHALL BE COATED IN ACCORDANCE WITH THE PLANS.

2. PEDESTAL SUPPORTS SHALL BE DESIGNED FOR 90 MPH WINDS, APPROPRIATE GUST FACTOR AND LOADING AS PER PLAN.

3. 4 ANCHOR BOLTS SHALL BE INCLUDED WITH NUTS, LOCK WASHERS AND EIGHT (8) SHIMS.

4. A 17" TRANSFORMER BASE (ALSO KNOWN AS T-BASE) AND ALL CONNECTING HARDWARE SHALL BE FURNISHED WITH EACH PEDESTAL. FOR TRANSFORMER BASE DETAILS SEE CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWING 4105.

5. THE PEDESTAL SHALL BE FURNISHED AND INSTALLED WITH A POLE SHAFT THAT HAS A COMBINED TAPERED-Straight CROSS-SECTIONAL DESIGN AND A ONE-PIECE CONSTRUCTION WITH NO LONGITUDINAL OR CIRCUMFERENTIAL WELDS EXCEPT FOR THE WELD NEEDED TO ATTACH THE POLE BASE. THE POLE SHAFT SHALL HAVE A ROUND CROSS-SECTIONAL DESIGN.


8. FOR FOUNDATION DETAILS SEE CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWING 4163.

9. FOR PEDESTRIAN PUSHBUTTON SIGN DETAILS SEE CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWING 4230.