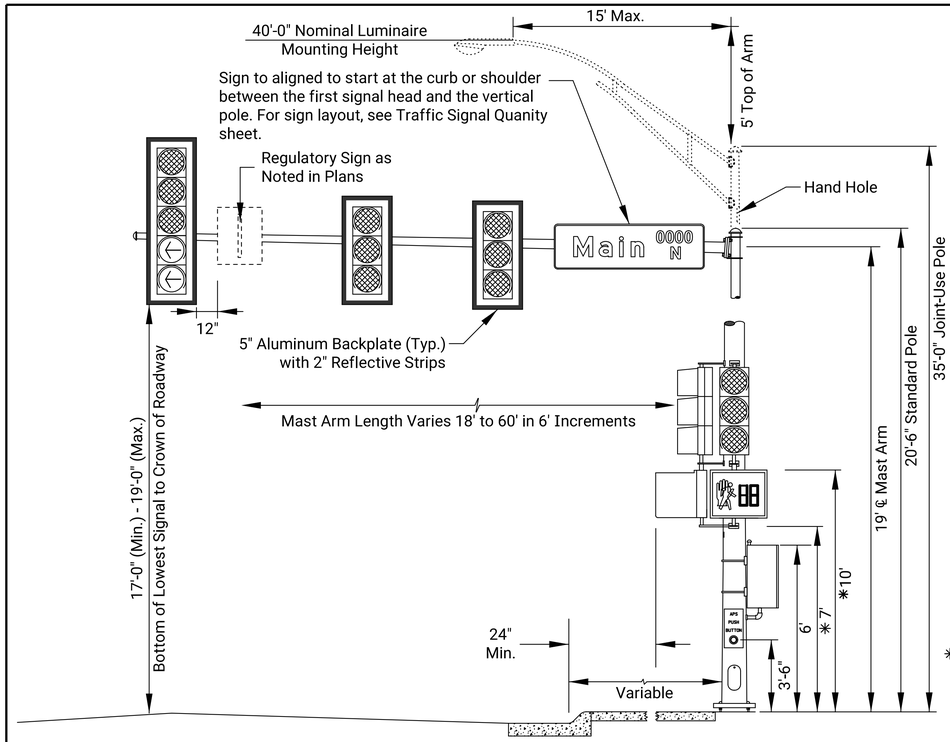
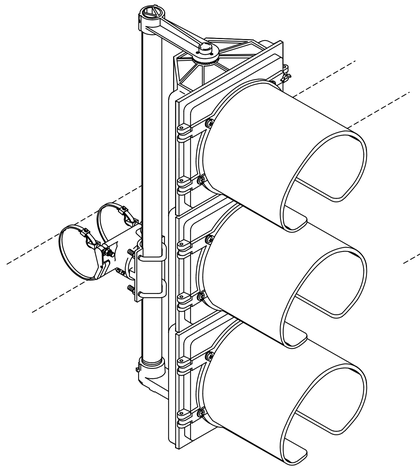
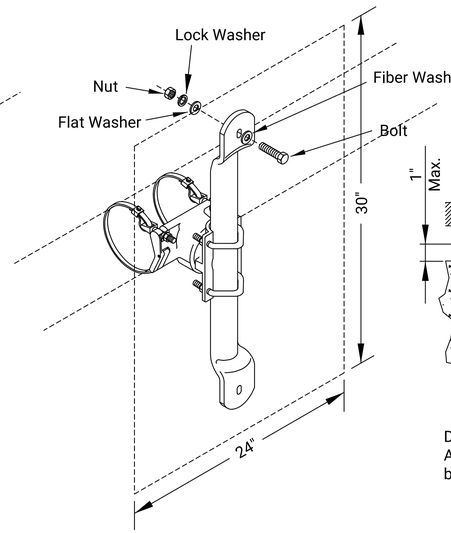


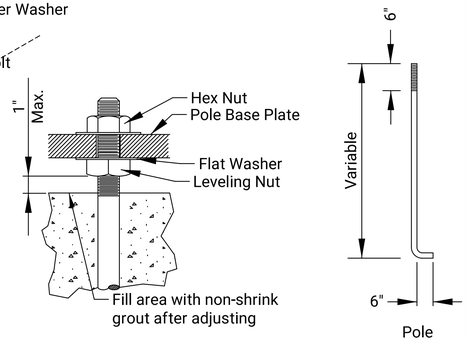
✳ NOTE:
Pedestrian signal heads shall be mounted so the top of signal head is at 10' above sidewalk level

RIGID SIGNAL MOUNTING DETAIL



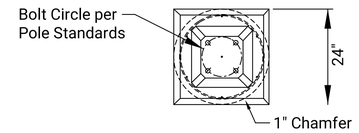


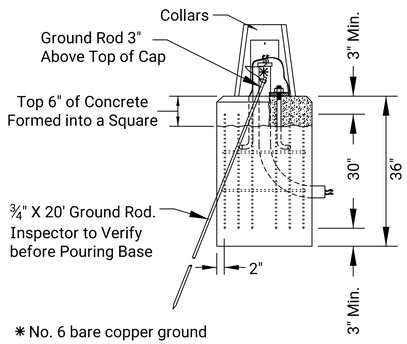
SIGN MOUNTING BRACKET DETAIL SIGNS OVER 18" TALL (R10 SERIES)



Dimensions shown are typical only. Actual dimensions shall be supplied by the manufacturer.

MAST ARM POLE ANCHOR BOLT DETAIL

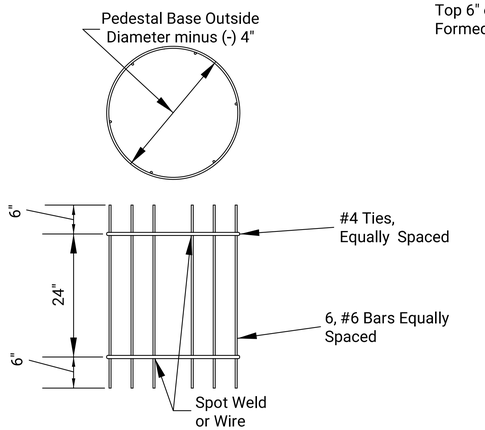




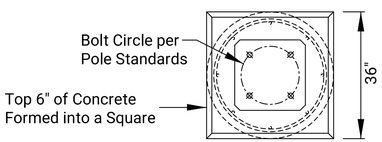
✳ No. 6 bare copper ground conductor from internal grounding lug to clamp on ground rod.

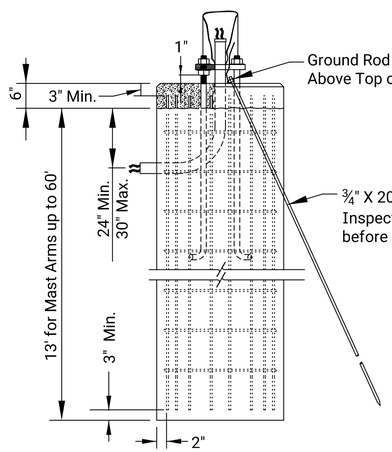
PEDESTAL AND BASE DETAIL

Anchor Bolts For Pedestals Shall Be Visually Accepted.

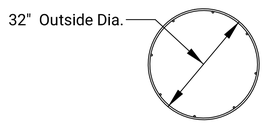


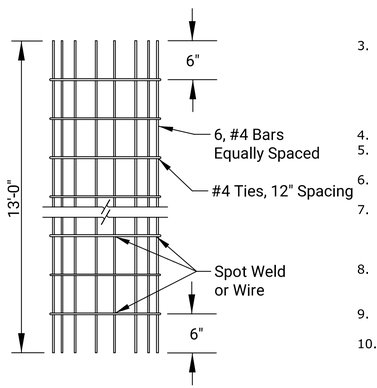
PEDESTAL REBAR CAGE DETAIL





MAST ARM POLE & BASE DETAIL





MAST ARM POLE REBAR CAGE DETAIL

(FOR MAST ARMS UP TO 60')

NOTE:
1. THE CITY STANDARD TRAFFIC SIGNAL POLE FOUNDATION DESIGN IS ACCEPTABLE FOR A MAXIMUM MAST ARM SPAN OF UP TO 60 FEET WITH A 13'-0" DEEP FOOTING SHAFT. IF A LONGER MAST ARM IS REQUIRED, SIGNAL POLE FOUNDATION DESIGN CALCULATIONS MUST BE SUBMITTED TO THE CITY FOR REVIEW.
2. MINIMUM SOIL PROPERTIES FOR THESE LENGTHS ARE EITHER "PHI" OF 5° OR GREATER OR A MINIMUM "C" VALUE OF 500 PSF OR GREATER. SOILS HAVING PROPERTIES LESS THAN EITHER OF THESE MUST HAVE CALCULATIONS SUBMITTED TO THE CITY FOR REVIEW.
3. THE ANCHOR BOLTS FOR THE SIGNAL POLE SHALL BE TACK WELDED TOGETHER IN A 16" OR 20" DIA. BOLT PATTERN (ON CENTERS AS SHOWN) TO MAINTAIN REQUIRED BOLT CONFIGURATION PATTERN AND TO AID IN VERTICAL POSITIONING WHILE CONCRETE BASE IS POURED.
4. USE ANTI-SEIZE COMPOUND ON ALL THREADS.
5. 12' X 3/4" GROUND ROD TO BE POSITIONED AND SHOWN TO INSPECTOR BEFORE POURING BASE.
6. CONCRETE SHALL MEET THE REQUIREMENTS OF GRADE 4.0 PER SPECIFICATIONS.
7. CONSTRUCT SQUARE CONCRETE CAP AFTER POLE HAS BEEN ERECTED & PLUMBED. CHAMFER EDGE 1". MUST BE APPROVED BY ENG. BEFORE POURED.
8. CONDUIT SHALL HAVE PLASTIC (OR METAL) BUSHING (ABOVE BASE) TO PREVENT CABLE CHAFING.
9. USE #6 BARE COPPER GROUND CONDUCTOR FROM CLAMP TO GROUND BOLT IN ACCESS HOLE.
10. IN THE EVENT SOUND BEDROCK IS ENCOUNTERED AT A DEPTH LESS THAN STANDARD, CONTRACTOR SHALL NOT PROCEED WITHOUT ENGINEER APPROVAL OF SOCKET DEPTH.

For APS Pushbutton, See Sheet "SIGNAL PEDESTAL & BASE WITH ADA PUSH BUTTON"

IF THIS DRAWING IS LESS THAN 22" X 36" IT IS A REDUCED SIZE DRAWING

TranSystems
245 NORTH WACO
SUITE 222
WICHITA, KANSAS 67202
PHONE: 316-303-3000
FAX: 316-462-8629

CONSULTANTS:

HOOVER ROAD MULTI-USE PATH
& TRAFFIC SIGNAL
ZOO BLVD. TO 29TH STREET NORTH

WICHITA, KANSAS

CITY OF WICHITA

REVISIONS:

MARK	DATE	DESCRIPTION

PROJ NO:	472-85394
SCALE:	N/A
DATE:	9/30/2020
DESIGNED BY:	MCG
DRAWN BY:	MCG
CHECKED BY:	CCB

SHEET TITLE:

TRAFFIC SIGNAL INSTALLATION DETAIL SHEET

SHEET NO.
23
SHEET 23 OF 44

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9/30/2020 - 8:33:07 PM - c:\transystems\pw_local\transyscorp.pw1\cbanks\d0735211\C-SIG-PQLE-601.dgn