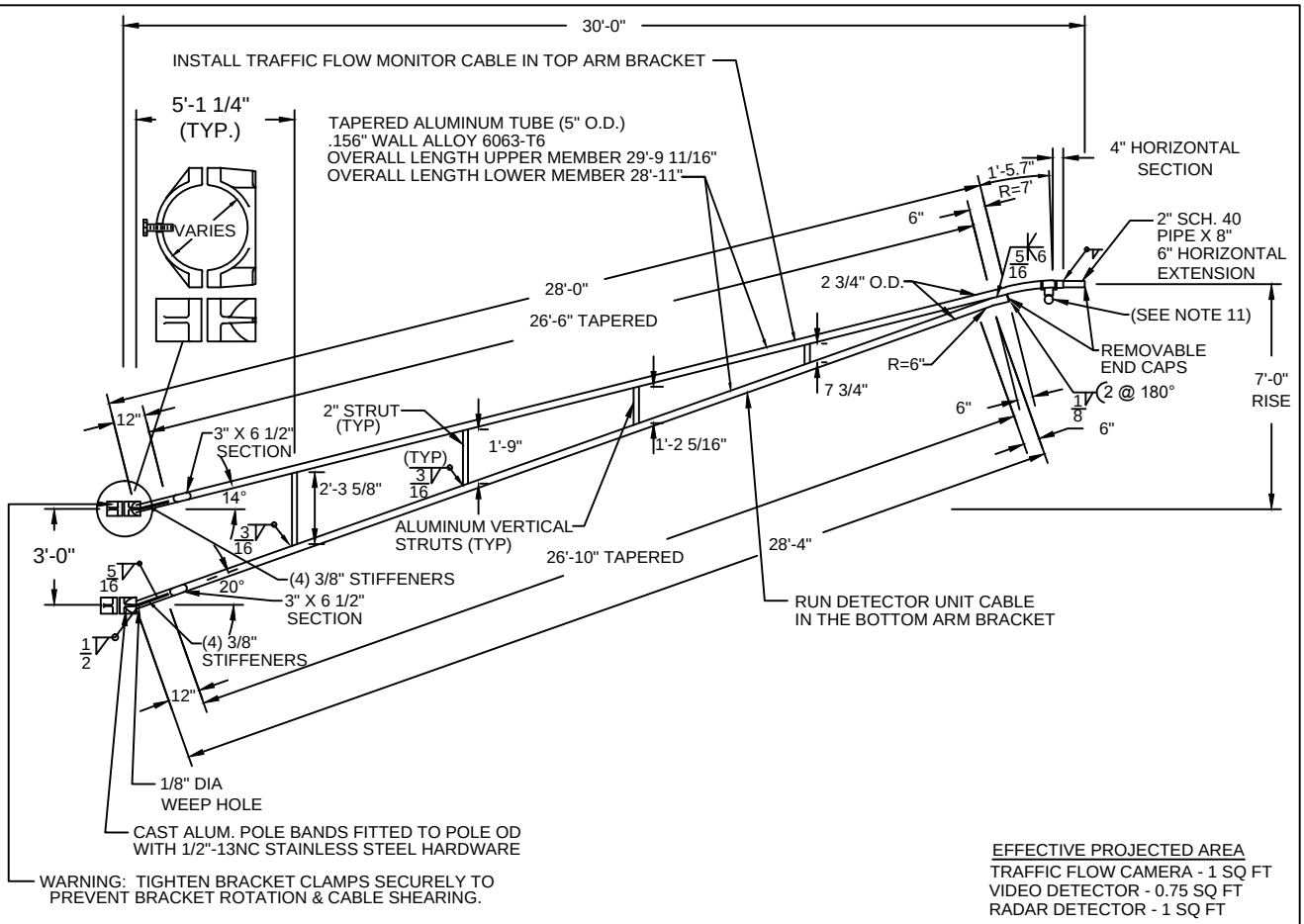
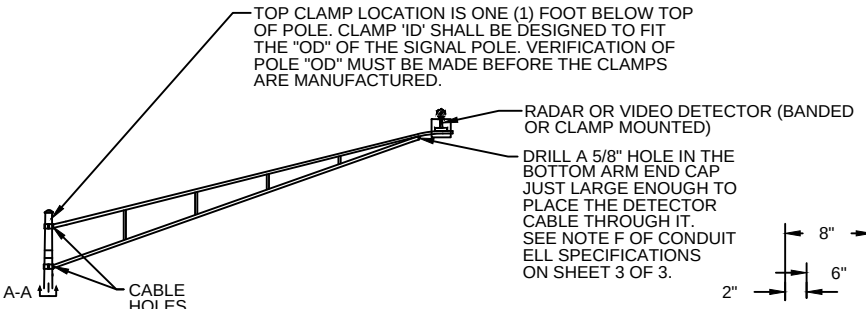


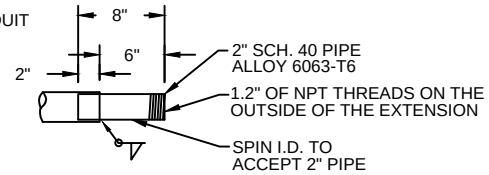
EFFECTIVE PROJECTED AREA
TRAFFIC FLOW CAMERA - 1 SQ FT
VIDEO DETECTOR - 0.75 SQ FT
RADAR DETECTOR - 1 SQ FT

WEIGHT IN POUNDS
TRAFFIC FLOW CAMERA - 20
VIDEO DETECTOR - 8
RADAR DETECTOR - 7

SAFETY FACTOR > 1.6

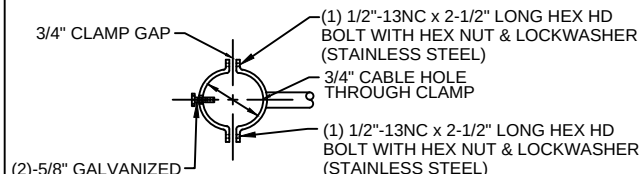
LOADING FACTORS





HORIZONTAL SLIPFITTER

PROVIDE THREADED END CAP WHEN HORIZONTAL SLIPFITTER IS NOT USED. CAP SHALL BE COATED TO MATCH ARM AND POLE.



VIEW A-A

VERIFY UPPER & LOWER ID DIMENSIONS. CLAMP SHALL BE SIZED TO ACCOMMODATE POLE OD.

30' - 0" BRACKET ARM

DETECTOR UNIT / TRAFFIC FLOW MONITOR BRACKET ARM

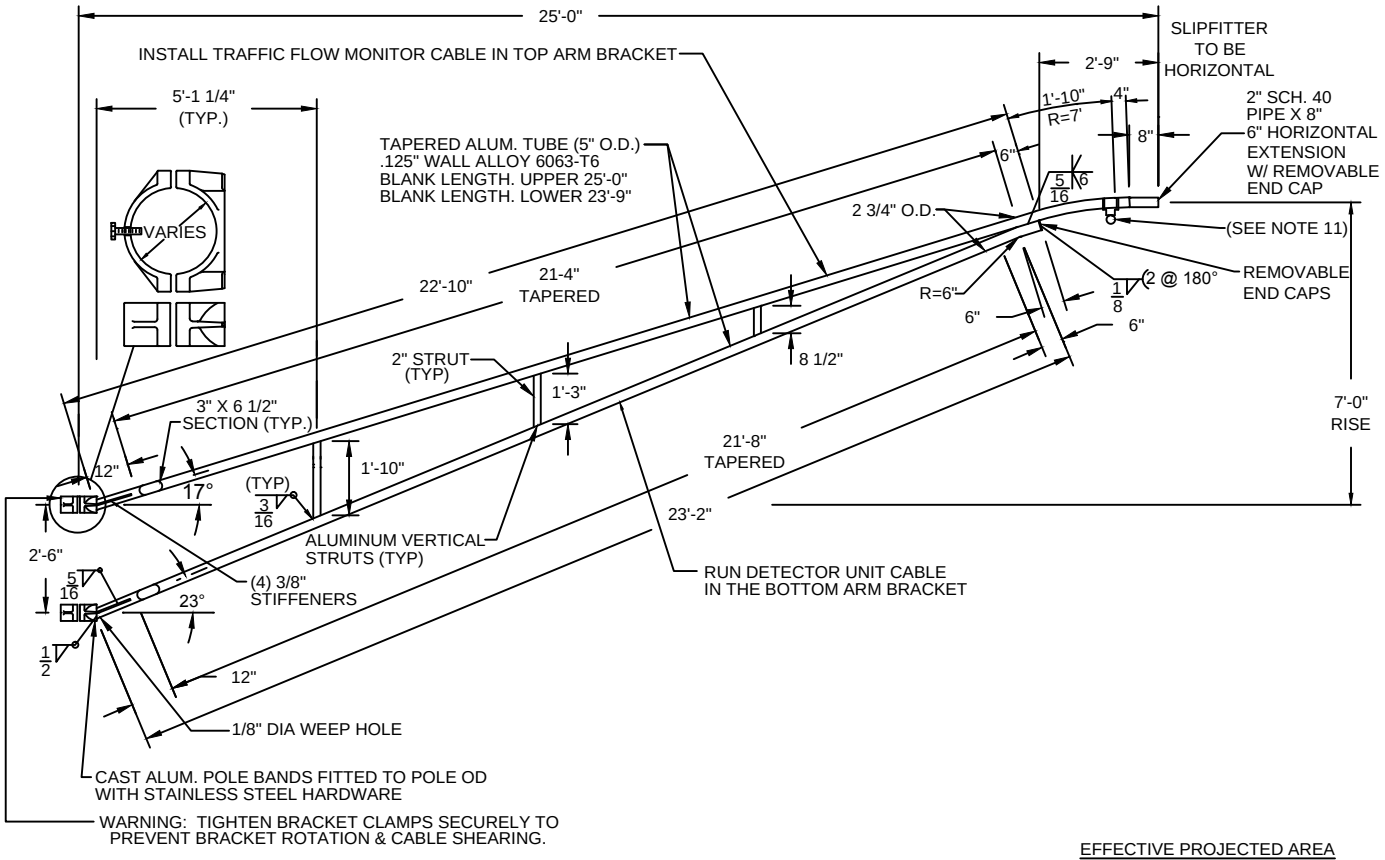
CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION

STD DWG
4110

8/10/2017

CITY ENGINEER

SHT 1 OF 3

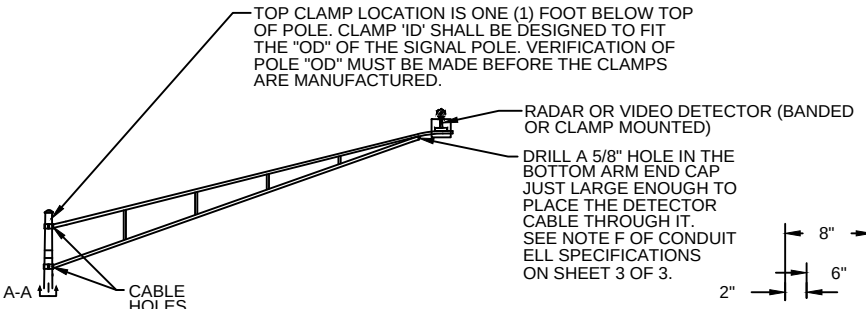


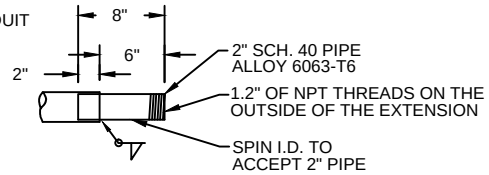
EFFECTIVE PROJECTED AREA
TRAFFIC FLOW CAMERA - 1 SQ FT
VIDEO DETECTOR - 0.75 SQ FT
RADAR DETECTOR - 1 SQ FT

WEIGHT IN POUNDS
TRAFFIC FLOW CAMERA - 20
VIDEO DETECTOR - 8
RADAR DETECTOR - 7

SAFETY FACTOR > 1.6

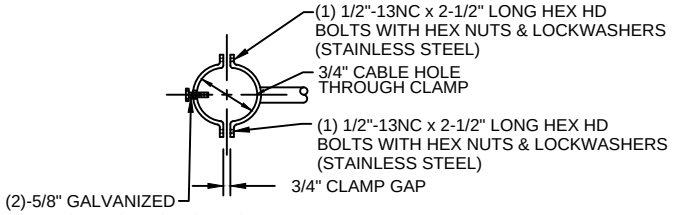
LOADING FACTORS





HORIZONTAL SLIPFITTER

PROVIDE THREADED END CAP WHEN HORIZONTAL SLIPFITTER IS NOT USED. CAP SHALL BE COATED TO MATCH ARM AND POLE.



VERIFY UPPER & LOWER ID DIMENSIONS. CLAMP SHALL BE SIZED TO ACCOMMODATE POLE OD.

VIEW A-A

25' - 0" BRACKET ARM

DETECTOR UNIT / TRAFFIC FLOW MONITOR BRACKET ARM

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

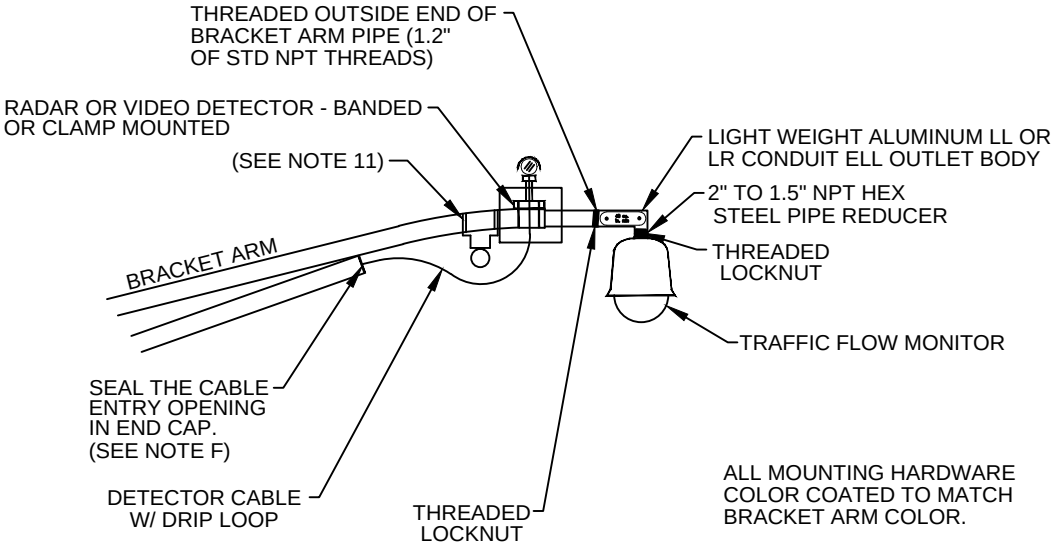
STD DWG
4110

8/10/2017

CITY ENGINEER

SHT 2 OF 3

INSTALL THE TRAFFIC FLOW MONITOR CABLE IN THE TOP ARM BRACKET.
INSTALL THE DETECTOR CABLE IN THE BOTTOM ARM BRACKET.



A) THREADED BODY (NPT) WITH NON-CORROSIVE HARDWARE
B) 48 CU. IN. INTERIOR AREA
C) FLAT COVER WITH SOLID NEOPRENE GASKET
D) COVER OPENING - 6" X 2.4"
E) LIGHT WEIGHT ALUMINUM BODY
F) PROVIDE #10 RUBBER STOPPER WITH A HOLE AND SLOT FOR OUTGOING CABLE; ENLARGE STOPPER HOLE AS NEEDED JUST ENOUGH TO FIT CABLE DIAMETER

LL/LR CONDUIT ELL SPECS

NOTES:

1. BRACKET ARMS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO THE ROAD CENTERLINE AS PER PLAN.
2. ALL CABLES SHALL BE RUN INSIDE A BRACKET TUBE. ENTRY HOLES INTO THE SIGNAL POLE SHALL BE FIELD DRILLED.
3. BRACKET ARM, VIDEO DETECTOR AND/OR TRAFFIC FLOW MONITOR DOME SHALL BE COLOR COATED AS PER PLAN.
4. HEAT TREAT AFTER WELDING.
5. BRACKET ARMS SHALL BE COATED IN ACCORDANCE WITH THE PLANS TO MATCH THE SIGNAL SUPPORT OR STRAIN POLE STRUCTURE.
6. A TRUSS-STYLE DESIGN SHALL BE USED AND SHALL BE CAPABLE OF SUPPORTING A LUMINAIRE WEIGHING 75 POUNDS AND HAVING AN EFFECTIVE PROJECTED AREA OF 1.6 SQUARE FEET AND OR TRAFFIC DETECTOR AND/OR TRAFFIC FLOW MONITOR.
7. BRACKET ARMS SHALL BE DESIGNED FOR A 90 MPH WIND LOADING WITH APPROPRIATE GUST FACTOR.
8. THE CLAMP MOUNTED ARM SHALL COME WITH BOTH CLAMPS AND MOUNTING HARDWARE.
9. BRACKET ARMS SHALL BE DESIGNED TO FIT A MASTARM POLE SHAFT THAT HAS A NOMINAL TAPER OF 0.14 INCH PER FOOT AND A BOTTOM-OF-POLE OUTSIDE DIAMETER AS PER PLAN.
10. DETAILS AND DIMENSIONS ILLUSTRATED ON THESE DRAWINGS ILLUSTRATE AN ALUMINUM TRUSS ONLY. ALL STRUCTURAL COMPONENTS REMAIN THE RESPONSIBILITY OF THE MANUFACTURER.
11. FOR MECHANICAL DAMPENING DEVICE SEE STANDARD DRAWING 4122.

NOTES AND CONDUIT ELL SPECS

DETECTOR UNIT / TRAFFIC FLOW MONITOR BRACKET ARM

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

CITY ENGINEER

STD DWG
4110
8/10/2017
SHT 3 OF 3