

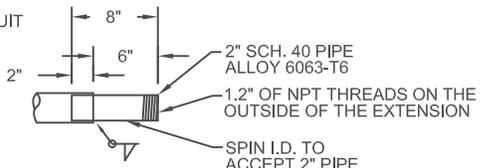
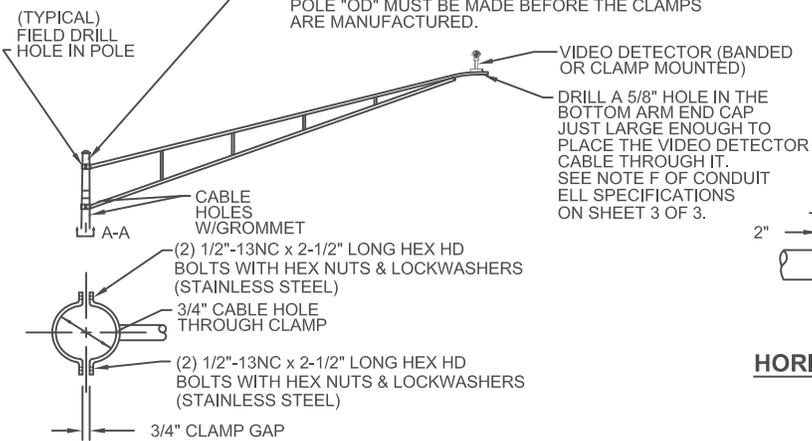
WARNING: TIGHTEN BRACKET CLAMPS SECURELY TO PREVENT BRACKET ROTATION & CABLE SHEARING.

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

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

SAFETY FACTOR > 1.6

TOP CLAMP LOCATION IS ONE (1) FOOT BELOW TOP OF POLE. CLAMP ID SHALL BE DESIGNED TO FIT THE "OD" OF THE SIGNAL POLE. VERIFICATION OF POLE "OD" MUST BE MADE BEFORE THE CLAMPS ARE MANUFACTURED.

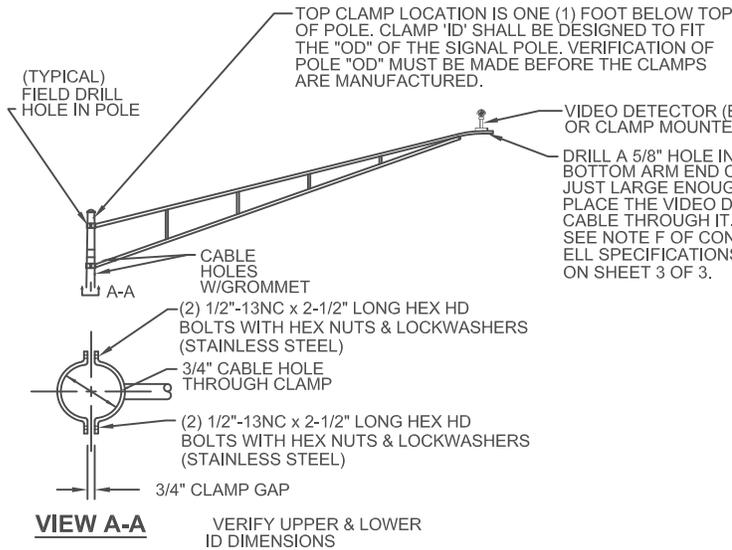
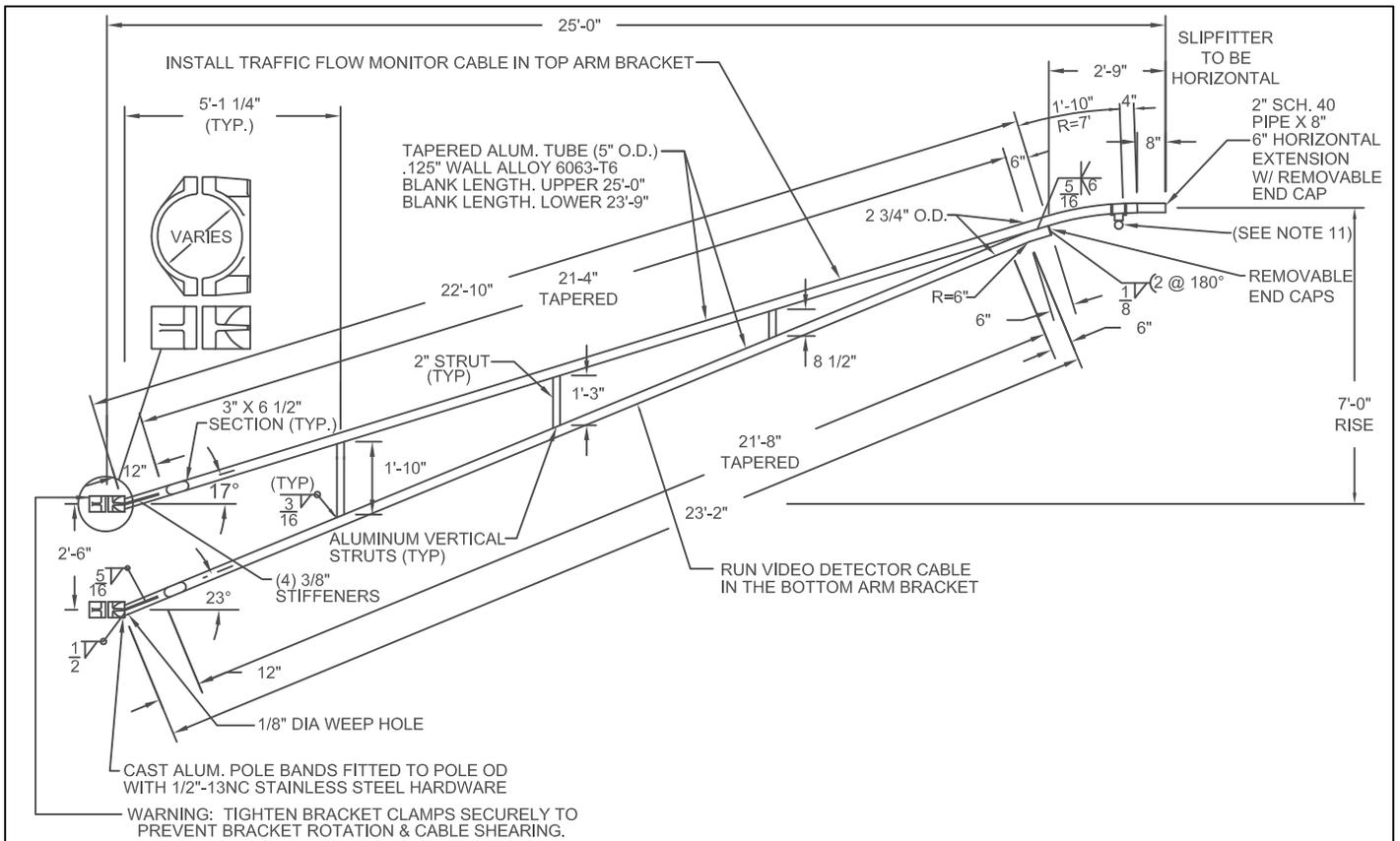


HORIZONTAL SLIPFITTER

30' - 0" BRACKET ARM

VIDEO DETECTOR / TRAFFIC FLOW MONITOR BRACKET ARM

CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC SERVICE DIVISION OF DESIGN AND CONSTRUCTION	STD DWG 4110
	8/01/2015
<i>Hassan Zahran</i> CITY ENGINEER	SHT 1 OF 3

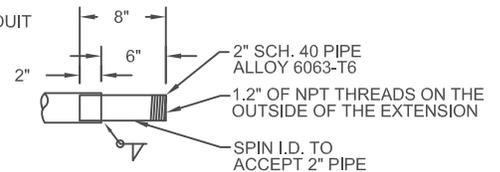


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SAFETY FACTOR > 1.6

LOADING FACTORS



HORIZONTAL SLIPFITTER

25' - 0" BRACKET ARM

VIDEO DETECTOR / TRAFFIC FLOW MONITOR BRACKET ARM

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

STD DWG

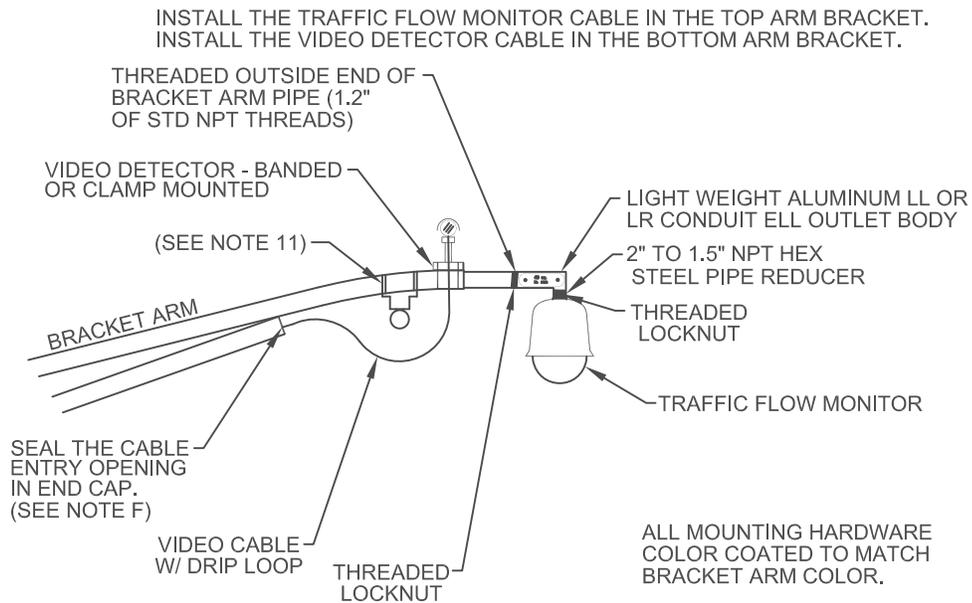
4110

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CITY ENGINEER

Hassan Zahran

SHT 2 OF 3



- 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 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 STAIN 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 CAMERA (VIDEO DETECTOR 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. ALL STRUCTURAL COMPONENTS REMAIN THE RESPONSIBILITY OF THE MANUFACTURER.
11. FOR MECHANICAL DAMPENING DEVICE SEE STANDARD DRAWING 4122.

NOTES AND CONDUIT ELL SPECS

**VIDEO DETECTOR /
TRAFFIC FLOW MONITOR
BRACKET ARM**

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