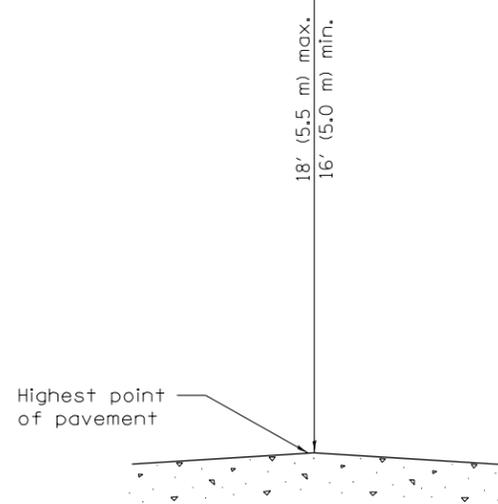
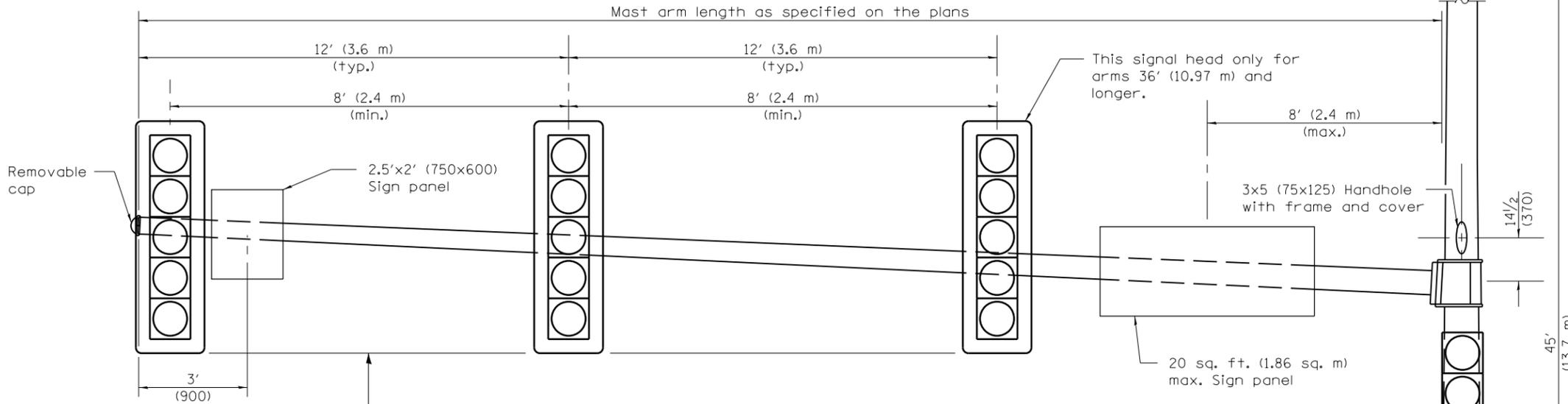
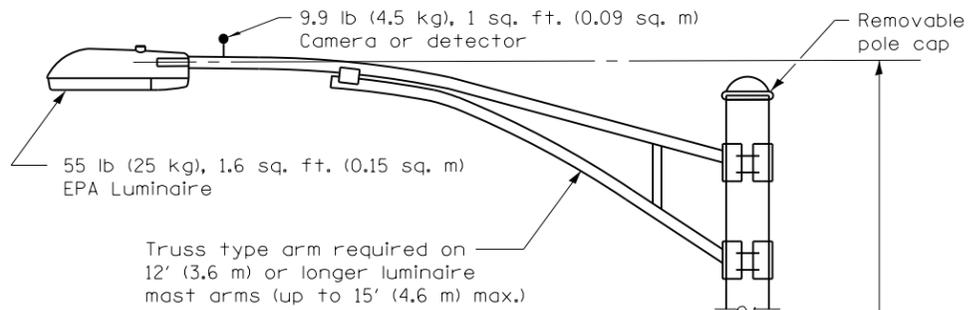
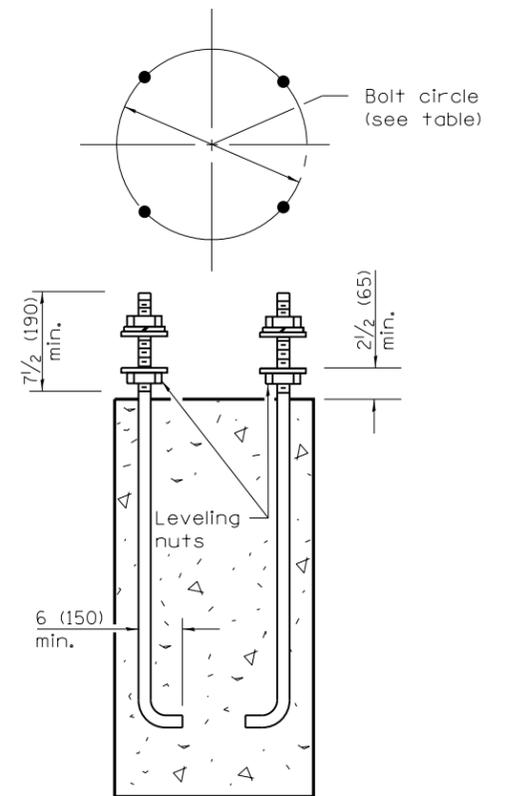


TENON TOP FOR VERTICAL MOUNTED LUMINAIRES

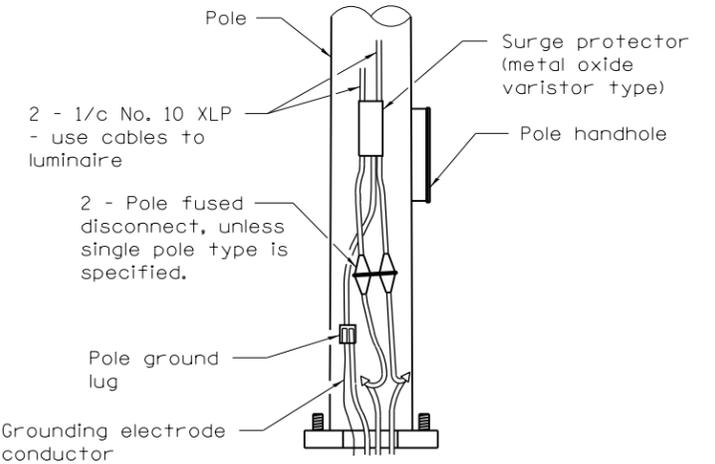
Note: The tenon top shall support a bullhorn fitting with two (twin) vertically mounted luminaires (clamp-mounted bullhorn assembly with removable pole cap acceptable). Each luminaire shall weigh 100 lb (45 kg) and have an effective projected (EPA) area of 3.85 sq. ft. (0.36 sq. m).



MAST ARM LENGTH	BOLT CIRCLE	ANCHOR ROD SIZE
16' thru 20' (4.87 m thru 6.10 m)	15 (380)	1 1/2 x 5' (38 x 1.5 m)
22' thru 30' (6.71 m thru 9.14 m)	18 (450)	1 1/2 x 5' (38 x 1.5 m)
32' thru 40' (9.75 m thru 12.20 m)	18 (450)	1 3/4 x 7' (44 x 2.10 m)
42' thru 55' (12.80 m thru 16.80 m)	21 (535)	1 3/4 x 7' (44 x 2.10 m)



ANCHOR ROD DETAIL



POLE BASE DETAIL

GENERAL NOTES

Signal heads, sign panels, and other attachments are shown for minimum design loading purposes only. Each signal head shall weigh 80 lb (36 kg) and have a projected area of 14.7 sq. ft. (1.37 sq. m).

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-12	Changed 2.5'x8' sign panel to 20 sq. ft. (1.86 sq. m) max.
1-1-09	Switched units to English (metric).

STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'

STANDARD 877011-05

Illinois Department of Transportation

APPROVED January 1, 2012
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ENGINEER OF OPERATIONS

APPROVED January 1, 2012
Scott Esch
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-02