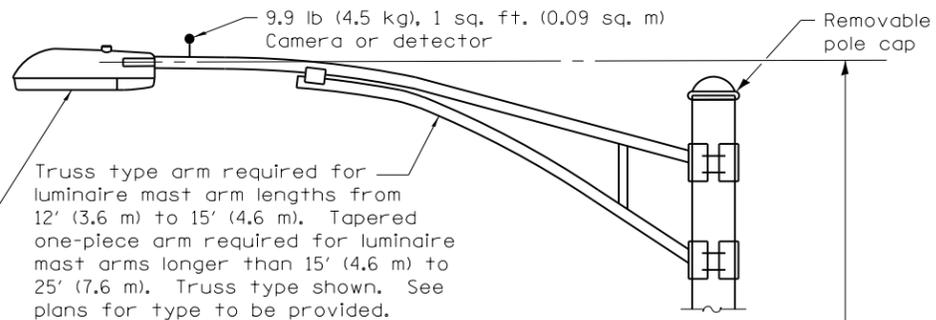


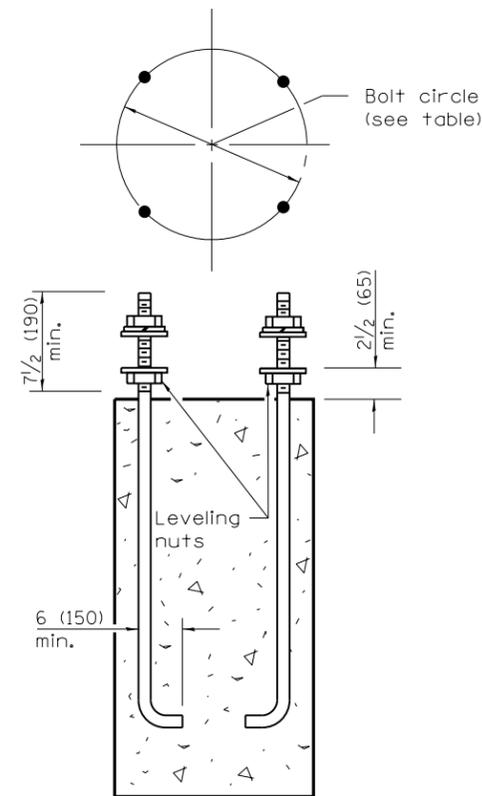
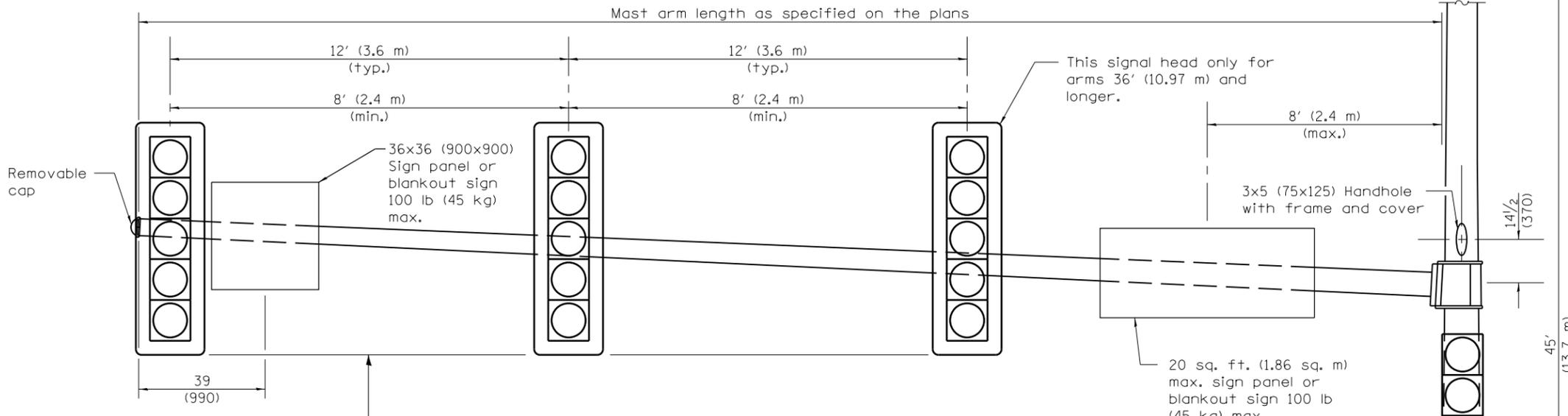
TENON TOP FOR VERTICAL MOUNTED LUMINAIRES

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).

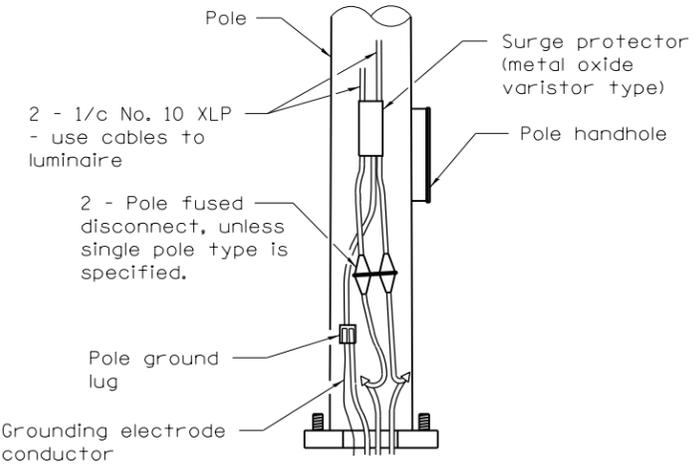
55 lb (25 kg), 1.6 sq. ft. (0.15 sq. m) EPA Luminaire



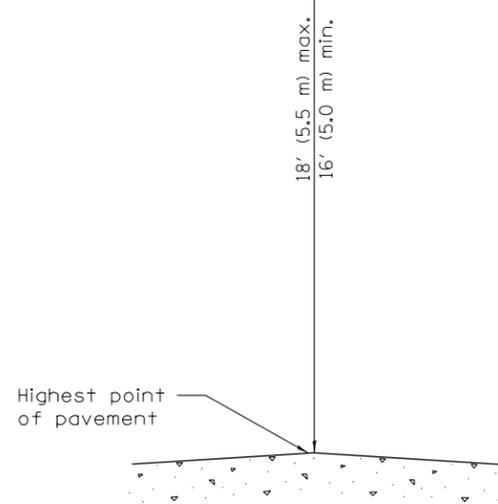
Truss type arm required for luminaire mast arm lengths from 12' (3.6 m) to 15' (4.6 m). Tapered one-piece arm required for luminaire mast arms longer than 15' (4.6 m) to 25' (7.6 m). Truss type shown. See plans for type to be provided.



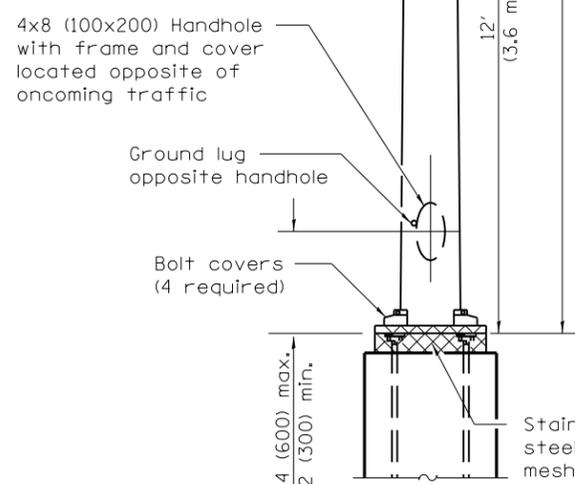
ANCHOR ROD DETAIL



POLE BASE DETAIL



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)



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.

Illinois Department of Transportation
APPROVED April 1, 2016
ENGINEER OF OPERATIONS
APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
4-1-16	Modified luminaire arm note. Changed sign panel to 36x36 and 100 lb max.
1-1-12	Changed 2.5'x8' sign panel to 20 sq. ft. (1.86 sq. m) max.

STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
STANDARD 877011-06