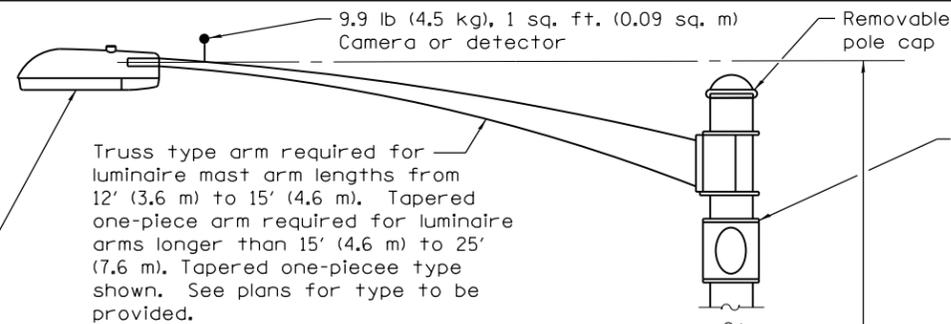


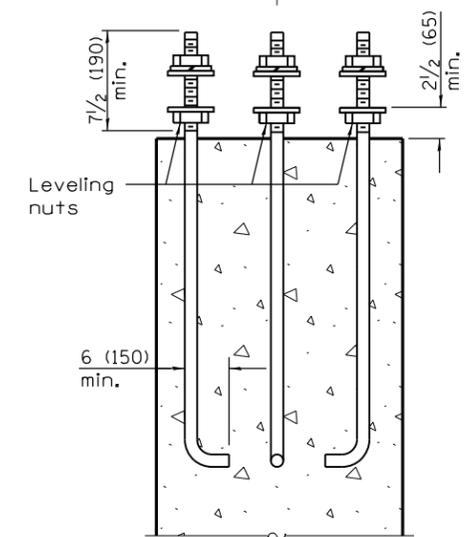
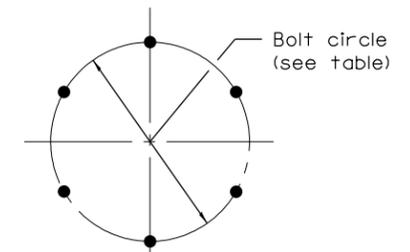
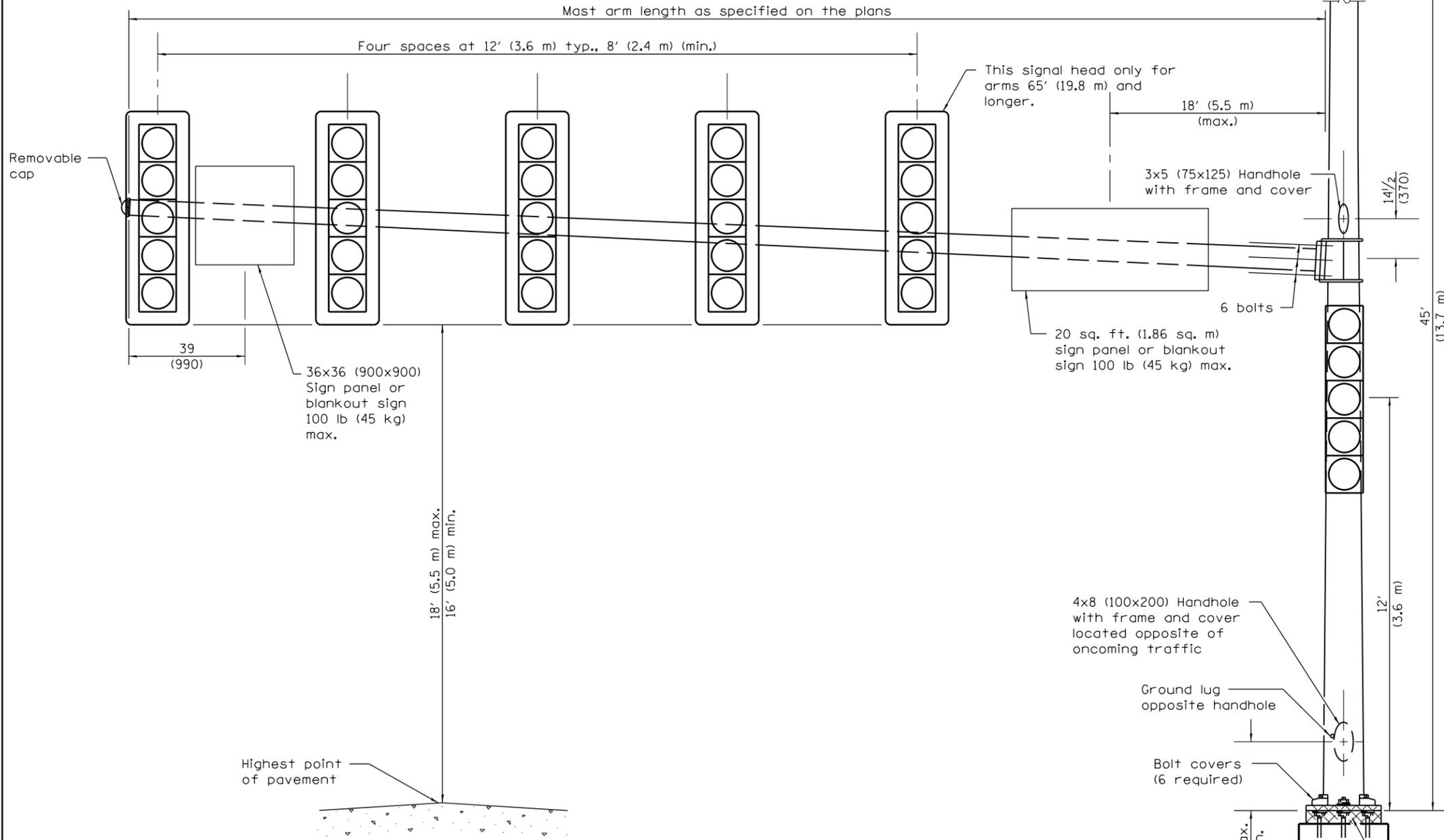
TENON TOP FOR VERTICAL MOUNTED LUMINAIRES

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) max. and have an effective projected (EPA) area of 3.85 sq. ft. (0.36 sq. m) max.

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



Provide second luminaire, arm and bracket at 90° when required. Luminaire and arm not shown for clarity.



ANCHOR ROD 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).

See standard 821101 for luminaire wiring diagram.

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

| MAST ARM LENGTH | BOLT CIRCLE | ANCHOR ROD SIZE |
|--------------------------------------|-------------|-----------------------------|
| 56' thru 64' (17.1 m thru 19.8 m) | 24 (610) | 1 3/4 x 7' (44 x 2.10 m) |
| 65' thru 75' (20.1 thru 22.9 m) | 27 (686) | 2 x 7'-6" (51 x 2.30 m) |

| DATE | REVISIONS |
|---------|--|
| 1-1-17 | Added 'max.' to luminaire weights and EPA's. |
| 4-15-16 | Added sec. lum. with arm and bracket when req. |
| | Added ref. to std. 821101. |

STEEL COMB. MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'

STANDARD 877012-05

Illinois Department of Transportation

APPROVED January 1, 2017
Amy Allen
 ENGINEER OF OPERATIONS

APPROVED January 1, 2017
Maureen M. Beck
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-08