

20 sq. ft. (1.86 sq. m) max.
sign panel or blankout sign
100 lb (45 kg) max.

Mast arm length as specified on the plans

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12' (3.6 m) (typ.)
8' (2.4 m) (min.)

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This signal head only for
arms 36' (10.97 m) and
longer.

36x36 (900x900)
Sign panel or
blankout sign
100 lb (45 kg)
max.

Removable
cap

18' (5.5 m) max.
16' (5.0 m) min.

Highest point
of pavement

Pole height

12' (3.6 m)

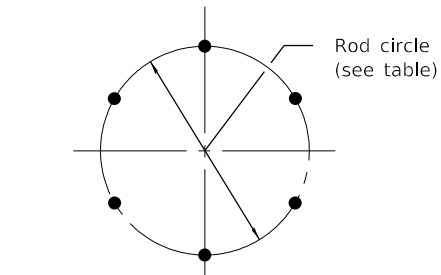
4x8 (100x200) Handhole
with frame and cover
located opposite of
oncoming traffic

Bolt covers
(6 required)

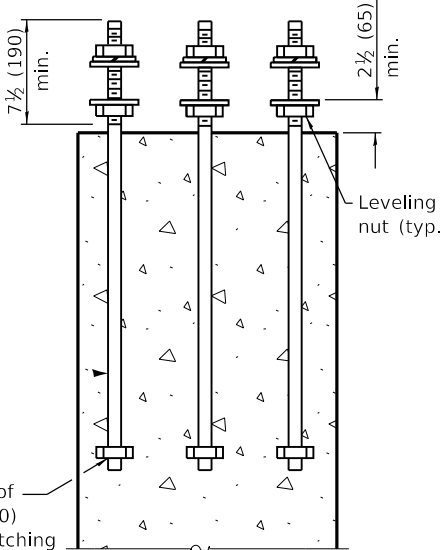
Stainless
steel
mesh

Distance from top of pole
base to bottom of hand hole
shall match the inside diameter
of the pole at the midpoint
of the hand hole.

Ground lug
opposite handhole



Rod circle
(see table)



7 1/2 (190)
min.

2 1/2 (65)
min.

Leveling
nut (typ.)

Thread bottom of
anchor rod 2 (50)
and provide matching
hex head nut fully
seated, typ.

ANCHOR ROD DETAIL

18' (5.5 m) max.
16' (5.0 m) min.

Highest point
of pavement

MAST ARM LENGTH	ANCHOR ROD CIRCLE	ANCHOR ROD SIZE
16' thru 30' (4.87 m thru 9.14 m)	18 (450)	1 3/4 x 7' (44 x 2.10 m)
32' thru 50' (9.75 m thru 15.24 m)	21 (535)	2 x 7'-6" (51 x 2.29 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).

See Standard 720016 for location of sign panels or blankout signs closest to pole.

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

DATE	REVISIONS
1-1-18	Revised for RLFD reqs. Revised GEN. NOTES for sign locaton.
	Revised ANCHOR ROD DETAIL.
4-1-16	Changed sign panel to 36x36.
	Added max weight of 100 lb.
	Modified dim. to outer signal.

**STEEL MAST ARM
ASSEMBLY AND POLE
WITH DUAL MAST ARMS**

STANDARD 877006-06

Illinois Department of Transportation

PASSED January 1, 2018
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APPROVED January 1, 2018
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