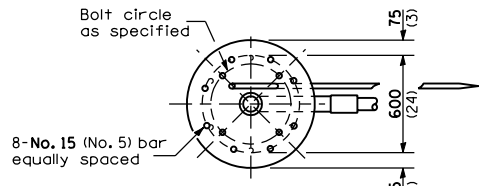
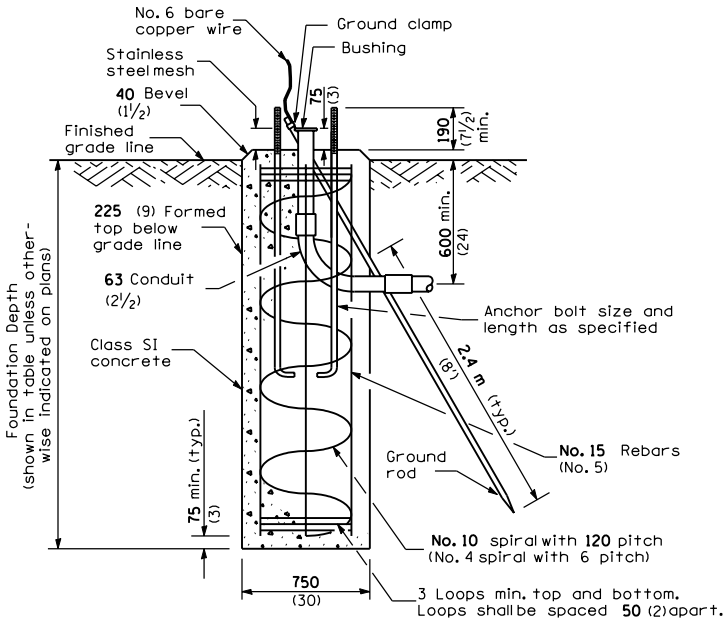


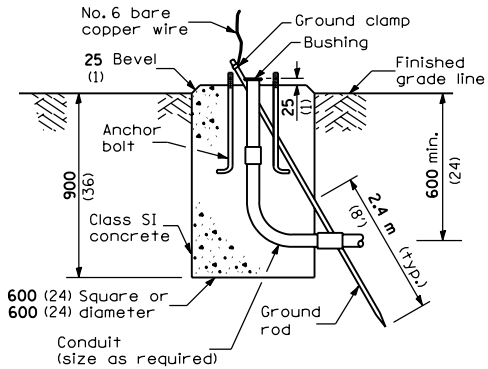
TOP VIEW



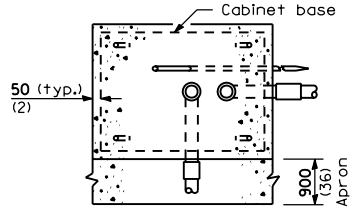
Mast arm length	Foundation depth
Less than 9.1 m (30')	2.7 m ✱ (9'-0")
Greater than or equal to 9.1 m (30') and less than 12.2 m (40')	3.7 m ✱ (12'-0")
Greater than or equal to 12.2 m (40') and less than 15.2 m (50')	4.6 m ✱ (15'-0")
Greater than or equal to 15.2 m (50') and up to 16.8 m (55')	5.2 m ✱ (17'-0")

TYPE E

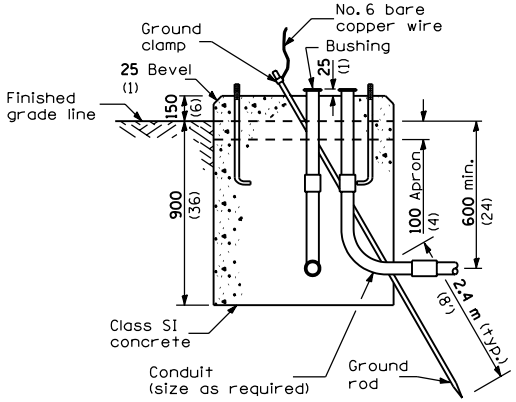
✱ These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf. This strength shall be verfied by boring data prior to consruction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.



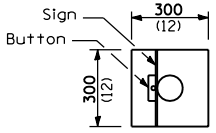
TYPE A



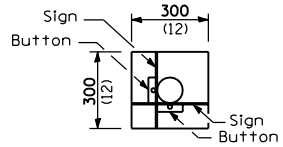
TOP VIEW



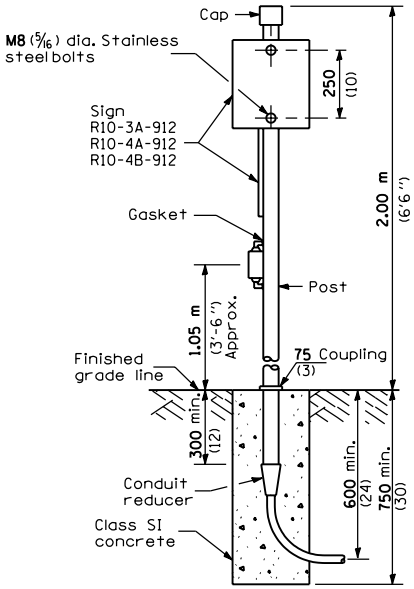
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET



TOP VIEW
TYPICAL ONE BUTTON INSTALLATION



TOP VIEW
TYPICAL TWO BUTTON INSTALLATION



PEDESTRIAN PUSH BUTTON
POST INSTALLATION

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

Illinois Department of Transportation

APPROVED January 1, 2001
ENGINEER OF OPERATIONS

APPROVED January 1, 2001
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-01	Rev. TYPE E note, chart
	note, and chart.
1-1-00	Rev. TYPE E table and
	TOP VIEW dimensions

CONCRETE FOUNDATION DETAILS

STANDARD 838001-02