



	65" (SFF NOTF 4) (1651mm) 49" (SFF NOTF 3) 16" 44" (1245mm) (406mm) (1118mm)	-SEE NOTE 5
	2/2/ 2/2/ 2/2/ 2/2/ 2/2/ 2/2/2/ 2/	26" 660mm) 31" (787mm)
2" X 6" (51mm X 152mm) WOOD FRAMING (TYP.)		(51 mm) (51 mm)
		TRAFFIC SIGNAL CONTROLLER CABINET
UPS— CABINET		⅓4" (19mm) TRFATFD PHYWOOD DECK
		2" × 6" (51mm × 152mm) TREATED WOOD RESETTING TREATED WOOD
		4E° MIN
NOTES: BASED ON CONTROLLER CABINET ADJUST PLATFORM SIZE TO FIT	TYPE IV WITH BASE DIMENSIONS OF 26 CABINET BASE DIMENSIONS BEING SUPPL	6" x 6" (152000 x 152000) TREATED WOOD POSTS " x 44" (6600mm x 1118mm). LIED.

- 2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF $16'' \times 25''$ (406mm \times 635mm), ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED,
- 3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- 4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- 5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- 6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (RETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.01	0.011
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	20.0+L 13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

TYPE C - CONTROLLER W/ UPS	4'-0'' (1.2m)
TYPE D - CONTROLLER	4'-0" (1,2m)
SERVICE INSTALLATION,	4'-0" (1.2m)
GROUND MOUNT,	
TYPE A - SQUARE	

TYPE A - Signal Post

DEPIH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
30' (9.1 m) and less than 40' (12.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0'' (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Creater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6 _# 4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0'' (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

DEPTH

4'-0'' (1.2m)

- 1. These foundation depths are for sites which have cohesive soils (clayer sit, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (0.0) > 1.0 tsf (100 kpc). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised specific of a transfer of the strength of th
- 2. Combination mast arm assembles under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- Combination most arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
- 4. For most arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

FILE NAME -	USER NAME - kanihaptuxaybo	DESIGNED -	DAG	REVISED -	
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	PLOT SCALE - 20.00000 // IN.	CHECKED -	DAD	REVISED -	
	PLOT DATE = 10/6/2009	DATE -	10/28/09	REVISED -	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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335	11-0011	4-00-CH		McHENRY	56	36
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