



	65" (SEE NOTE 4) (1651mm) L_ 49" (SEE NOTE 3)	_SEE NOTE 5
(4)	49" (SEE NOTE 3) 1245mm) 06mjm) (1118mm)	(Slimm)
	0, 7/2 (64mm) 10 (25mm)	26" 26" (787mm)
2" × 6" (51mm × 152mm) WOOD FRAMING (TYP.)	A	2".(51mm)
T=	====	
UPS		→ TRAFFIC SIGNAL  CONTROLLER CABINET
 		₹4″ (19mm) TREATED PHYWOOD DECK
V.s		2" × 6" (51mm × 152mm) TREATED WOOD
		MIN (305mm)
		48″
NOTES:	L_J	6" x 6" (152 m x 152mm) TREATED WOUD POSTS
<ol> <li>BASED ON CONTROLLER CABINET TYPE ADJUST PLATFORM SIZE TO FIT CABIN</li> </ol>	. IV WITH BASE DIMENSIONS DEING S	SUPPLIED.

- 2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 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
HANDH	OLE	6.5	2.0
DOUBL	E HANDHOLE	13.0	4.0
SIGNA	_ POST	2.0	0.6
MAST	ARM	2.0	0.6
CONTR	OLLER CABINET	1.5	0.5
FIBER	OPTIC AT CABINET	13.0	4.0
	RIC SERVICE AT ET OR SERVICE LOCATION)	1.5	0.5
	D CABLE L POST, MAST ARM, CABINET)	1.5	0.5
	D CABLE EEN FRAME AND COVER)	5.0	1.6

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)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	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

	VEITTORE
CABLE SLACK	
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FOUNDATION	DEPTH		
TYPE A - Signal Post	4'-0" (1.2m)		
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)		
TYPE D - CONTROLLER	4'-0'' (1.2m)		
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0'' (1.2m)		

### DEPTH 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)
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)
Greater 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)
	Less than 30' (9.1 m)  Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)  Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)  Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)  Greater than or equal to 56' (16.8 m) and up to 56' (19.8 m) and less than 65' (19.8 m) and up to 56' (19.8 m) and up to	Less than 30' (9.1 m) 10'-0" (3.0 m)  Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m) 11'-0" (3.4 m)  Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)  Greater than or equal to 50' (15.2 m) and up to 50' (15.2 m) and up to 56' (16.8 m)  Greater than or equal to 56' (19.8 m) and less than 65' (19.8 m)  Greater than or equal to 56' (19.8 m) and up to 25'-0" (7.6 m)	Less than 30' (9.1 m)	Depth   Diameter   Diameter	Depth   Diameter   Diameter   Rebors

- 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 (100 kpa).
   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
- 2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- 3. 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 = kanthaphixaybo	DESIGNED -	DAG	REVISED -	Τ
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	PLOT SCALE = 20.0000 '/ [N.	CHECKED -	DAD	REVISED -	
	PLOT DATE = 10/6/2009	DATE -	10/28/09	REVISED -	L

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

			D	IS	STRICT	1				F.A.U. RTE.	
STANDAF	RD T	ΓRΑ	FF	IC	SIGN.	AL	DESIGN	DETA	AILS	1339	09
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	RTE. SECTION								COUNT	Y	TOTAL SHEETS	SHEET NO.
1	1339 09-00054-00CH								COOK		88	37
_	CONTRACT NO. 63505											
	FED. RO	DAD	DIST.	NO.	1	ILLINOIS	FED.	AID	PROJECT	ARA-	-M 9003(5	69)