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65" (SEE NOTE 4) (1651mm) 49" (SEE NOTE 3) 2855mm)  16" 44" (406mm) (1118mm) 245mm) (406mm) (1118mm) (406mm) (4118mm) (406mm) (4118mm) (4118mm) (4118mm) (4118mm)
(5 mm × 152mm) WOOD FRAMING (1 Y2)
TRAFFIC SIGNAL CONTROLLER CABINE.
CABINE F :   #4" (19mm) TREATED PRIVICEU DECK
27. X 67 (51mm x 152mm)  REATED WOOD  N 18
48 MIN
NOTES:    Control   Contro
BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm).

- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118r ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (400mm x 635mm).
  ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- 3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.

Mast Arm Length

- 4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- 5. CRILLED 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 (BETWEEN FRAME AND COVER)	5.C	1.6

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE ( MAST ARM WOUNTED SIGNAL HEAD) (L - MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END CF ARM)	20.0+L	6,041
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

DEPTH OF FOUNDATION

FOUNDATION	DEPTH		
TYPE A - Signet 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 - SGUARE	4'-0'' (1.2m)		

- ① Foundation Depth Foundation Spiral Olameter Diameter Guantity of Robars Less than 30' (9.1 m) 30" (750mm) 24" (600mm) 6(19) Greater than or equal to 30′ (9.1 m) and less than 40′ (12.2 m) 6(19) 30" (750mm) | 24" (600mm) 13'-6" (4.1 m) 7(22) 11'-0" (3.4 m) 36" (900mm) 30" (750mm) Greater Iron 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) 13' C" (4.0 m) 36" (900mm) 30" (750mm) 7(22) 15'~G'' (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) 8(25) Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m) 42" (1060mm) 25'-0" (7.6 m) 36" (900mm) 16 8(25)
- 5. 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 fsf (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 design if other conditions are encountered.
- 2. Combination most arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- Combination most arm assemblies under 56 feet (16.8 ml through 75 feet (22.9 m) shall use 42" (1060 mm)
  diameter foundations.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

4. For mast arm assemblies with dual arms refer to state standard 878001.

## CABLE SLACK

<b>!</b>				
FILE NAME :	USER NAME : bowerdl	DESIGNED -	DAG	REVISED -
or\pw.work\PWI007\BAGERCL\d0108335\4685	dgn	DRAWN -	BCK	REVISED -
	PLOT SCALS / SALBORAR 1/ IN.	CHECKED -	GAG	REVISED -
	PLOT DATE - 174/2009	DATE	10-28-09	REVISED -

## STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.	
	STANDARD TRAFF	IC SIGNAL D	ESIGN DETAILS	3578	11-00049-00-SW	COOK	29 15
				TS-05	CONTRACT	NO. 63732	
 SCALE: NUNE	SHEET NO. 5 OF 6	SHEETS ST	TA. TO STA.	FED. ROAD I	DIST. NO. 1 ILLINOIS FEC. AL	D PROJECY	