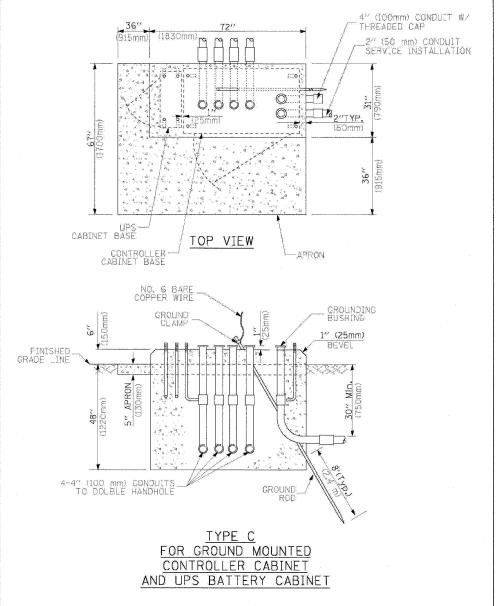
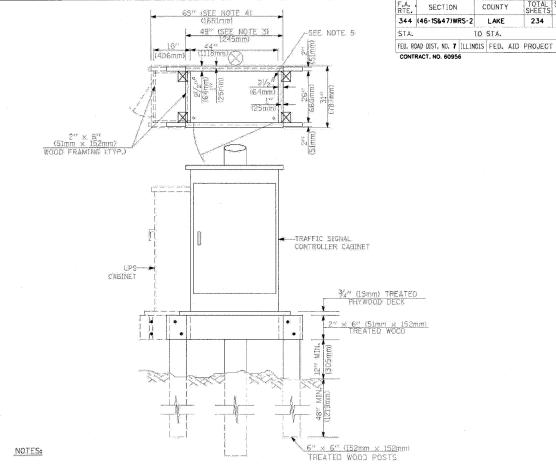


AND UPS BATTERY CABINET





- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" 4660mm x 1118mm).
 ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- 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.

Spiral Diameter

30" (750mm)

300 (750mm)

30" (750mm)

36" (900mm)

36" (900mm)

Foundation Diameter

36" (900mm)

36" (900mm)

36" (900mm)

42" (1060mm)

42" (1060mm)

30" (750mm) 24" (600mm)

4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.

Quantity of Rebars

12

12

12

16

16

- 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

Size of Rebars

6(19)

6(19)

7(22)

7(22)

7(22)

8(25)

8(25)

| 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) | 5,0 | 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

CABLE SLACK

| LE LENGTH | FEET | METER |
|--|--------|-------|
| E (MAST ARM MOUNTED SIGNAL HEAD) | | |
| / LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM) | 20.0+L | 6.0+L |
| TED (MAST ARM POLE OR SIGNAL POLE) | 13.0 | 4.0 |
| JSH BUTTON | 6.0 | 2,0 |
| LLATION POLE MOUNT TO SERVICE DROP | 13.5 | 4.1 |
| ILLATION POLE MOUNT TO GROUND | 13.5 | 4.1 |
| LLATION GROUND MOUNT | 6.0 | 2.0 |
| IGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT) | 3.0 | 1.0 |

Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m) NOTES:

Most Arm Length 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 50' (15.8 m)

Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)

| | 1. These foundation depths are for sites which have cohesive soils (clayey slit, sandy clay, e | |
|--|--|------------|
| | 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 t | he Engines |
| | during foundation drilling. The Bureau of Bridges & structures should be contacted for a | revised |
| | design if other conditions are encountered. | |

2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter

FoundationDepth

10'-0" (3.0 m)

13'-6'" (4.1 m)

11'-0" (3.4 m)

13'-0" (4.0 m)

15'-0" (4.6 m)

21'-0" (6,4 m)

25'-0" (7.6 m)

3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use $42^{\prime\prime}$ (1060 mm) diameterfoundations.

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

| DEFIN OF MASI ANM FOUNDATIONS, ITE | ST ARM FOUNDATIONS, TY | PE. | Ε | |
|------------------------------------|------------------------|-----|---|--|
|------------------------------------|------------------------|-----|---|--|

| TYPE A - Signal Post | 4'-0" (1 ₂ 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

REVISIONS NAME ILLINOIS DEPARTMENT OF TRANSPORTATION DATE DISTRICT ONE 11/12/0 STANDARD TRAFFIC SIGNAL DESIGN DETAILS SCALE: NONE

TS05

CONTRACT NO.

234 169

COUNTY

TO STA