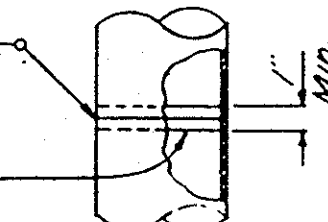


| TYPE    | HGT    | GAGE | MIN. O.D. |        | LUMINAIRE ARM LGT | SIGNAL ARM LGT. | BASE PLATE |      |        |        | ANCHOR BOLTS |        |
|---------|--------|------|-----------|--------|-------------------|-----------------|------------|------|--------|--------|--------------|--------|
|         |        |      | Base      | Top    |                   |                 | a          | b    | c      | t      | Size (3)     | BC     |
| CO. IV  | 28'-0" | 10ga | 7 3/4"    | 9 7/8" | 6'-15'            | None            | 11 1/2"    | 7/8" | 1 1/4" | 1"     | 1" x 36"     | 11"    |
| CO. XV  | 18'-0" | 10ga | 7 3/4"    | 5 1/4" | None              | 15'-20'         | 11 1/2"    | 5/8" | 1 1/4" | 1"     | 1" x 36"     | 11"    |
| CO. XVI | 28'-0" | 7ga  | 7 3/4"    | 3 7/8" | 6'-15'            | 15'             | 11 1/2"    | 3/4" | 1 1/2" | 1 1/4" | 1 1/4" x 44" | 11"    |
|         |        |      |           |        | 6'-12'            | 18'             |            |      |        |        |              |        |
|         |        |      |           |        | 6'-10'            | 20'             |            |      |        |        |              |        |
|         |        | 3ga  | 7 3/4"    | 3 7/8" | 15'               | 18'             |            |      |        |        |              |        |
| CO. IA  | 7'-0"  | 10ga | 5 1/4"    | 4 1/4" | —                 | —               | 9"         | 3/4" | 1 1/2" | 1 1/2" | 3/4" x 18"   | 8 1/2" |
| CO. IIA | 10'-0" | 10ga | 5 1/4"    | 3 7/8" | —                 | —               | 9"         | 3/4" | 1 1/2" | 1 1/2" | 3/4" x 18"   | 8 1/2" |

## POLE AND ANCHORAGE SCHEDULE

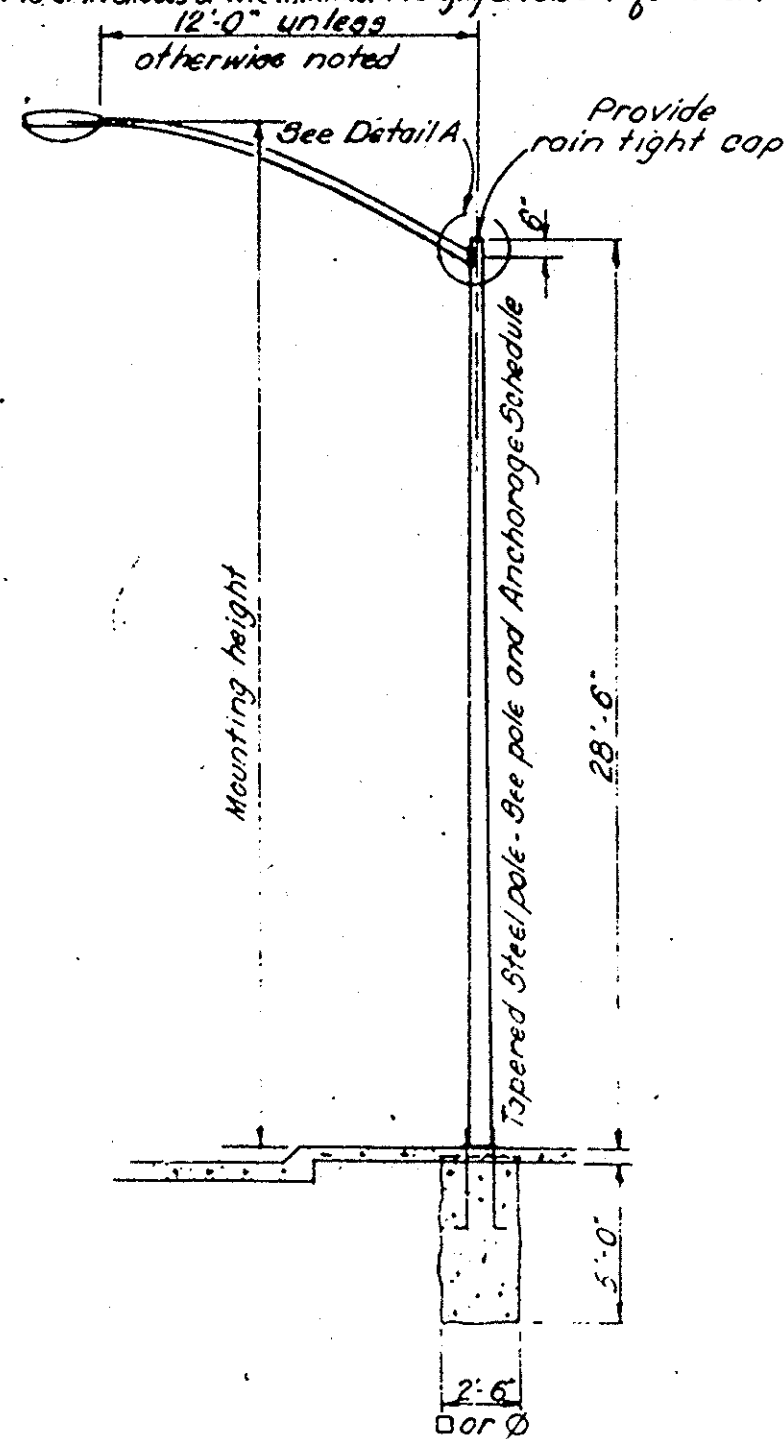
- ④ Tapered steel tubes fabricated from 11 gage sheet steel (min. yield strength 4000 psi. after fabrication) will be acceptable provided they exhibit structural characteristics of section modulus, moment of inertia and polar moment of inertia equivalent to or in excess of the minimum 10 gage tube requirement. 12'-0" unless otherwise noted.

No. 10 ga. metal sleeve at each welded joint.

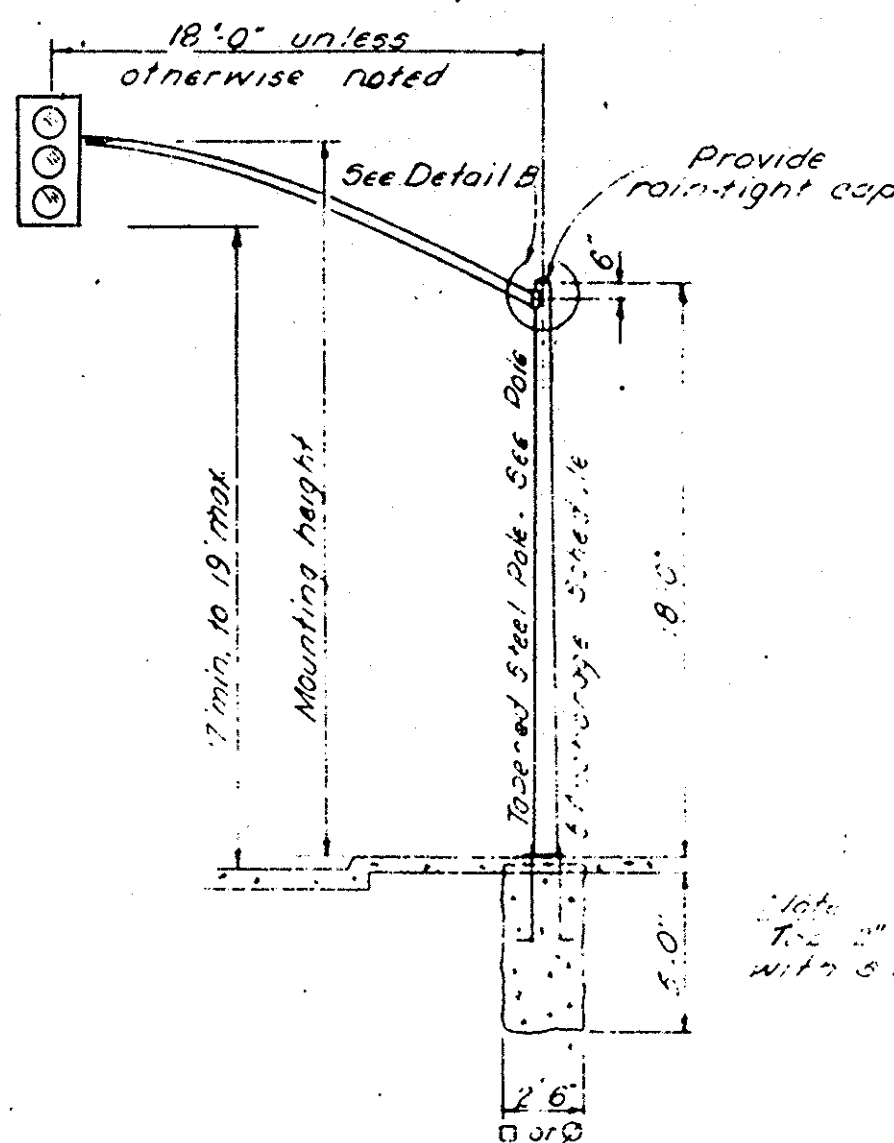


POLE SPLICE

Note: Poles shall be galvanized in accordance with A.S.T.M. specification A-123

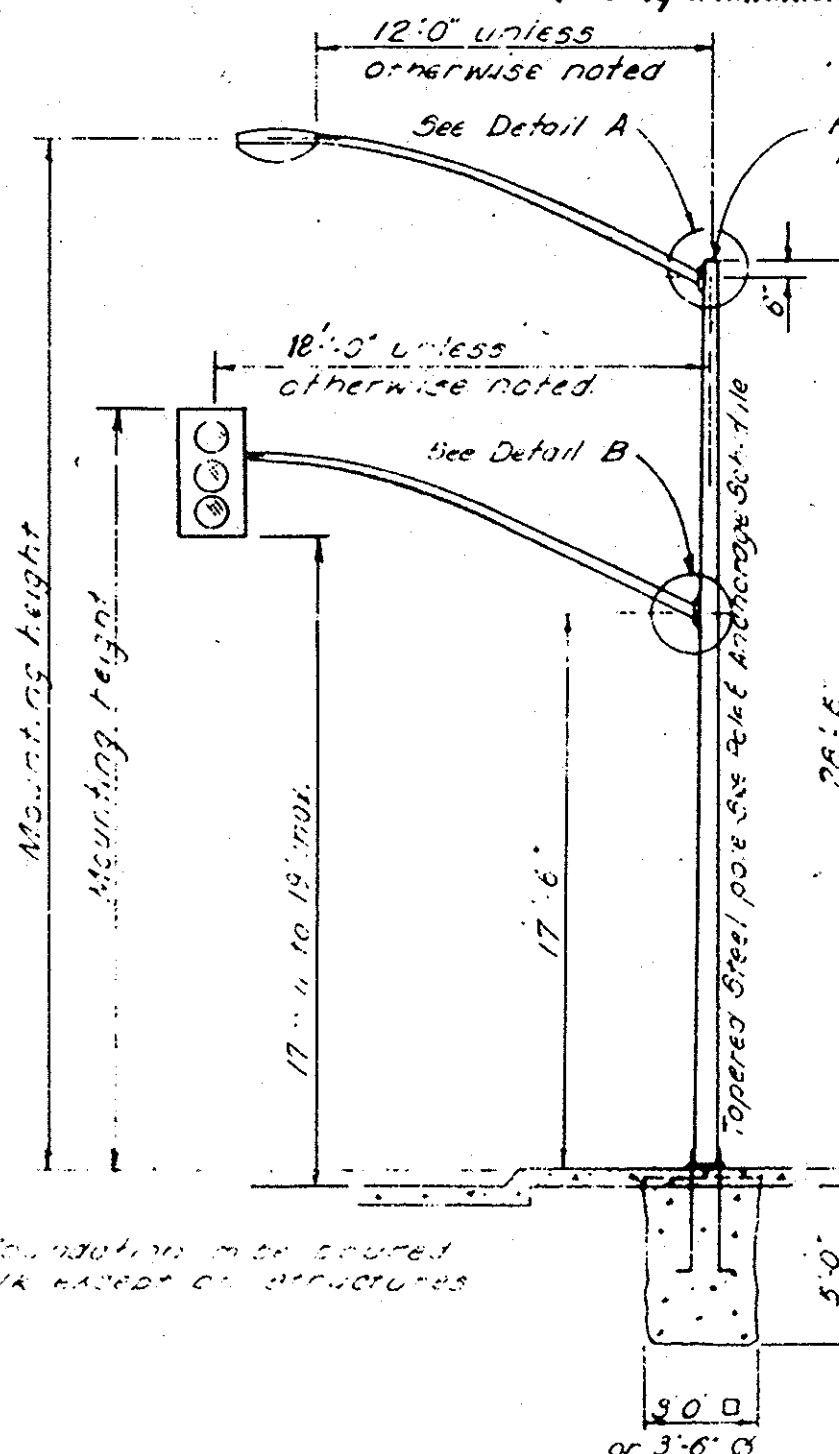


TYPE CO XV



TYPE CO XVI

Note: The 2" x 4" x 1/4" plate shall be secured with 2 network cables or structures.



TYPE CO XVII

Note: Alternative details approved by the Engineer may be substituted for the arm connections shown.

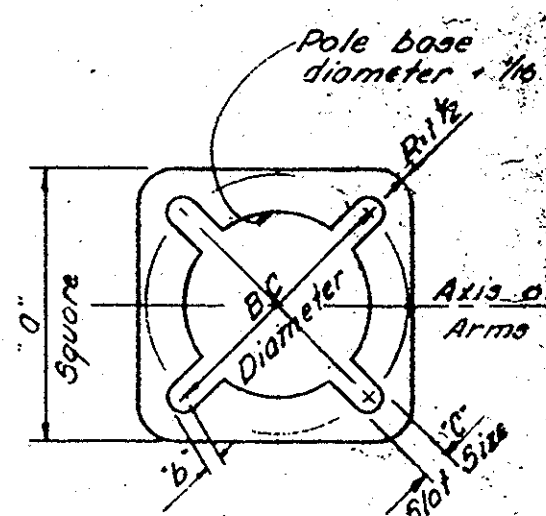
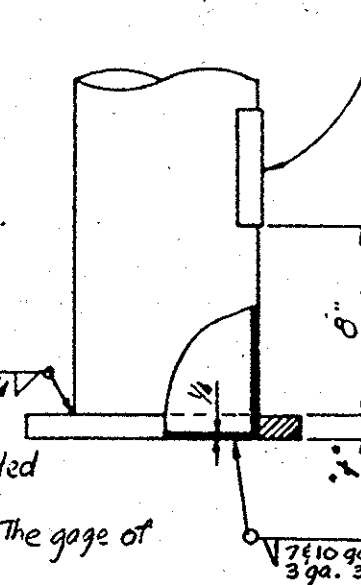
| LUMINAIRE ARM DATA ① |      |                     |                 |
|----------------------|------|---------------------|-----------------|
| PROJECTED LENGTH     | GAGE | MINIMUM O.D. @ POLE | MOUNTING HEIGHT |
| 6'-0"                | 10ga | 3.34"               | 90.0"           |
| 8'-0"                |      | 3.65"               | 30.8"           |
| 10'-0"               |      | 3.975"              | 34.3"           |
| 12'-0"               |      | 4.2"                | 32.5"           |
| 15'-0"               | 7ga  | 4.13"               | 32.8"           |

- ③ 4 anchor bolts each base plate. Length indicated does not include required 4"-90° bend. Top threaded 6" and furnished with 2 nuts and 2 washers. One anchor bolt bonded to conduit. Threads may be cut or rolled. All steel shafts, most arms, bolts, screws, nuts and washers shall be galvanized. Washers shall be 1/4" x 2 1/2" min. Bolts to conform to A.S.T.M. - A-307 Specs. and galvanized in accordance with A.S.T.M. A-153.

| SIGNAL ARM DATA ① |      |                     |                 |
|-------------------|------|---------------------|-----------------|
| PROJECTED LENGTH  | GAGE | MINIMUM O.D. @ POLE | MOUNTING HEIGHT |
| 15'-0"            | 10ga | 4.73"               | 22.3"           |
| 18'-0"            |      | 5.17"               | 23.3"           |
| 20'-0"            |      | 5.25"               | 23.3"           |
| 22'-0"            |      | 5.25"               | 23.3"           |

- ① Round tapered steel tube with maximum taper of .15 inches per foot. End section O.D. of 2 3/8" for mounting hardware. Standard 2" pipe extensions of 1'-0" max. on 6'-10" sizes and 3'-0" max. on 12'-20" sizes may be used at the option of manufacturer.
- ② Pole shafts and arms shall be fabricated from steel having a minimum yield strength of 33,000 P.S.I. before fabrication. The gage of shafts and arms as called for shall be the minimum gage after manufacture of 10 ga. min. 12/71, 7 ga. min. 1719 3 ga. min. 2400. Base plates and arm attachment flanges shall be manufactured from rolled steel having a minimum yield strength of 33,000 P.S.I. before fabrication.

4x6 1/2 handhole, reinforced with No. 3 gage ring 1 1/2" wide welded to outside of pole. Cover of 10 2 gage plate. Locate in same quadrant as most arm.



POLE BASE PLATE

Tot (3) 5/8"-11 top pole plate for 5/8" H.T. bolts.

2" chased outlet for electrical conductors

4" SCHEDULE 40 PIPE

SEE HGT ON POLE AND ANCHORAGE SCHEDULE

Tapered Steel pole

3x5" handhole

Reinf. ring tapped 3/8"-10 Thds for grounding.

2'-6" O

5'-0"

3'-0"

2'-6" O

5'-0"

3'-0"

2'-6" O

5'-0"

3'-0"

2'-6" O

5'-0"

3'-0"

2'-6" O

5'-0"

3'-0"

2'-6" O

5'-0"

3'-0"

2'-6" O

TYPE CO IA, IIA

DETAIL A Luminaire arm connection

Tot (3) 3/4" x 10" top pole plate for H.T. bolts.

1/4" x 2" x 5" Plate each side

2" chased outlet for electrical conductors

3" x 3"

3" x 3"

3" x 3"

3" x 3"

3" x 3"

3" x 3"

3" x 3"

3" x 3"

3" x 3"

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3" x 3"

3" x 3"

3" x 3"

3" x 3"

3" x 3"

3" x 3"

3" x 3"

DETAIL B AS BUILT Signal arm connection.

ORANGE COUNTY ROAD DEPARTMENT

ORANGETHORPE AVE. -  
LINDA VISTA AVE.  
INTERSECTION

SHEET 9 OF 24

Linda Vista Avenue

Dr. 11/9825

19/24