

### 6) All steel Items shall be galvanized as follows:

All Nuts, Bolts and Washers

ANSI/AWS DIJ (current edition).

-> ASTM AI53 Class C or D

All other steel items

depending on size

(including Pole & Mast Arm)

- -> ASTM AI23
- 7) Locate handhole I80° from arm on single arm poles or I80° from first arm of double arm poles or see special instructions on Mast Arm Tabulation Sheet.
- 8) Except for Anchor Bolts, all bolt hole diameters shall be equal to the bolt diameter plus  ${/\!/}_{\!16}{}^{\!\!"}$  , prior to galvanizing. Hole diameters for Anchor Bolts shall not exceed the bolt diameter plus 1/2".
- 9) Sign Panels and Signals attached to the Mast Arm shall be centered in elevation on the arm. Sign Panels shall be aluminum. Wire access holes shall not exceed 3/4" in diameter.

18) Each standard Mast Arm pole has been designed for one free swinging internally Illuminated street sign which is acceptable by Contractor Certification provided it meets the applicable requirements of Specification Section 699, weighs no more than 75 lbs. and is no more than 12 Sq. Ft. in area.

Note: Details for the Ground Rod, Signal and Sign Locations, Signal Head Attachment, Sign Attachment, Pedestrian Head Attachment, and Foundation Conduit are not shown for clarity.

#### NOTES FOR DOUBLE MAST ARMS

I. Work this Drawing with Sheets Nos. 2 and 4 of 5, Indices 17740 and 17742, and Structures Standard Drawings S-1700 and S-1710 as necessary.

#### NOTES FOR SINGLE MAST ARMS WITH LUMINAIRE

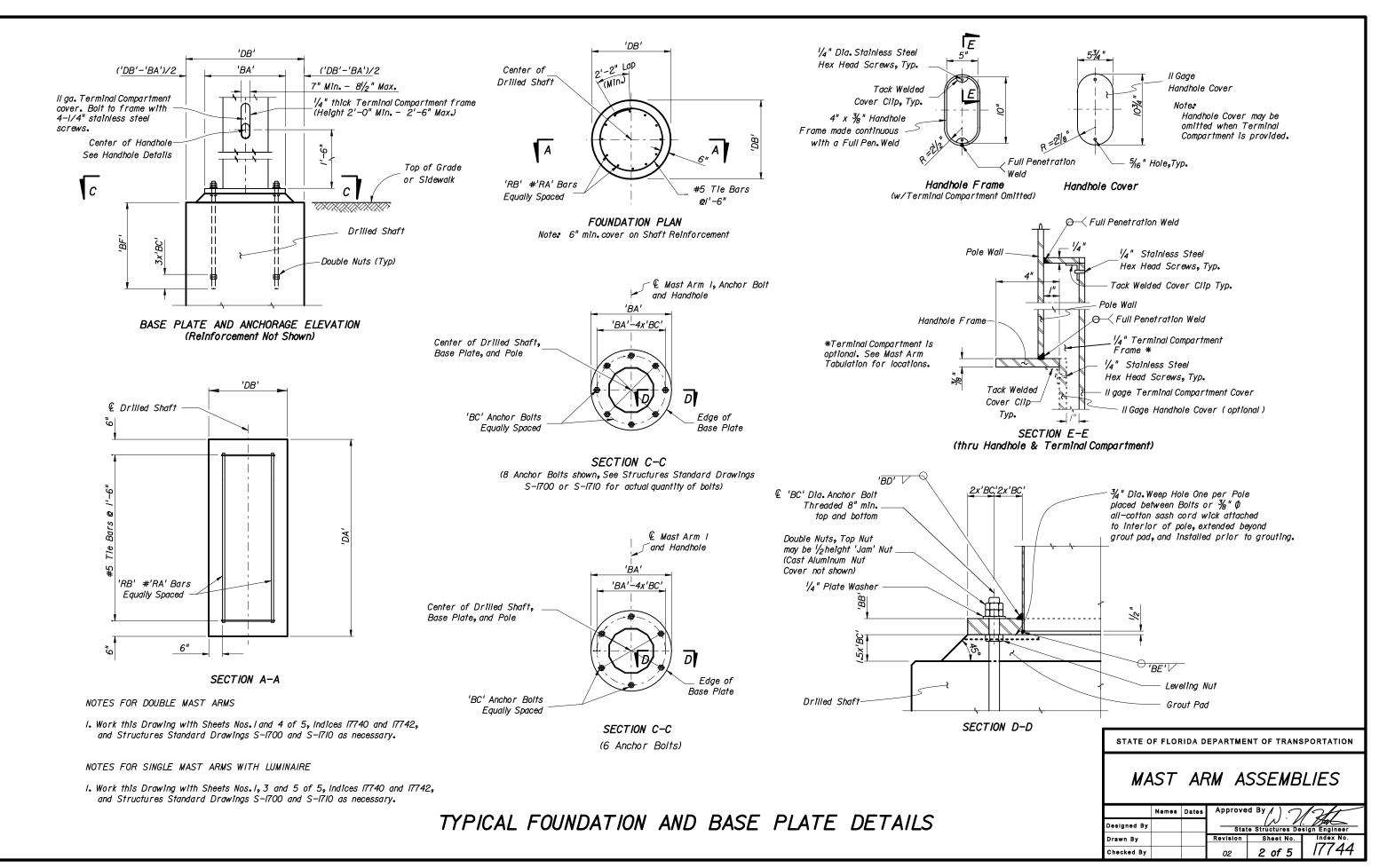
I. Work this Drawing with Sheets Nos. 2, 3 and 5 of 5, Indices 17740 and 17742, and Structures Standard Drawings S-1700 and S-1710 as necessary.

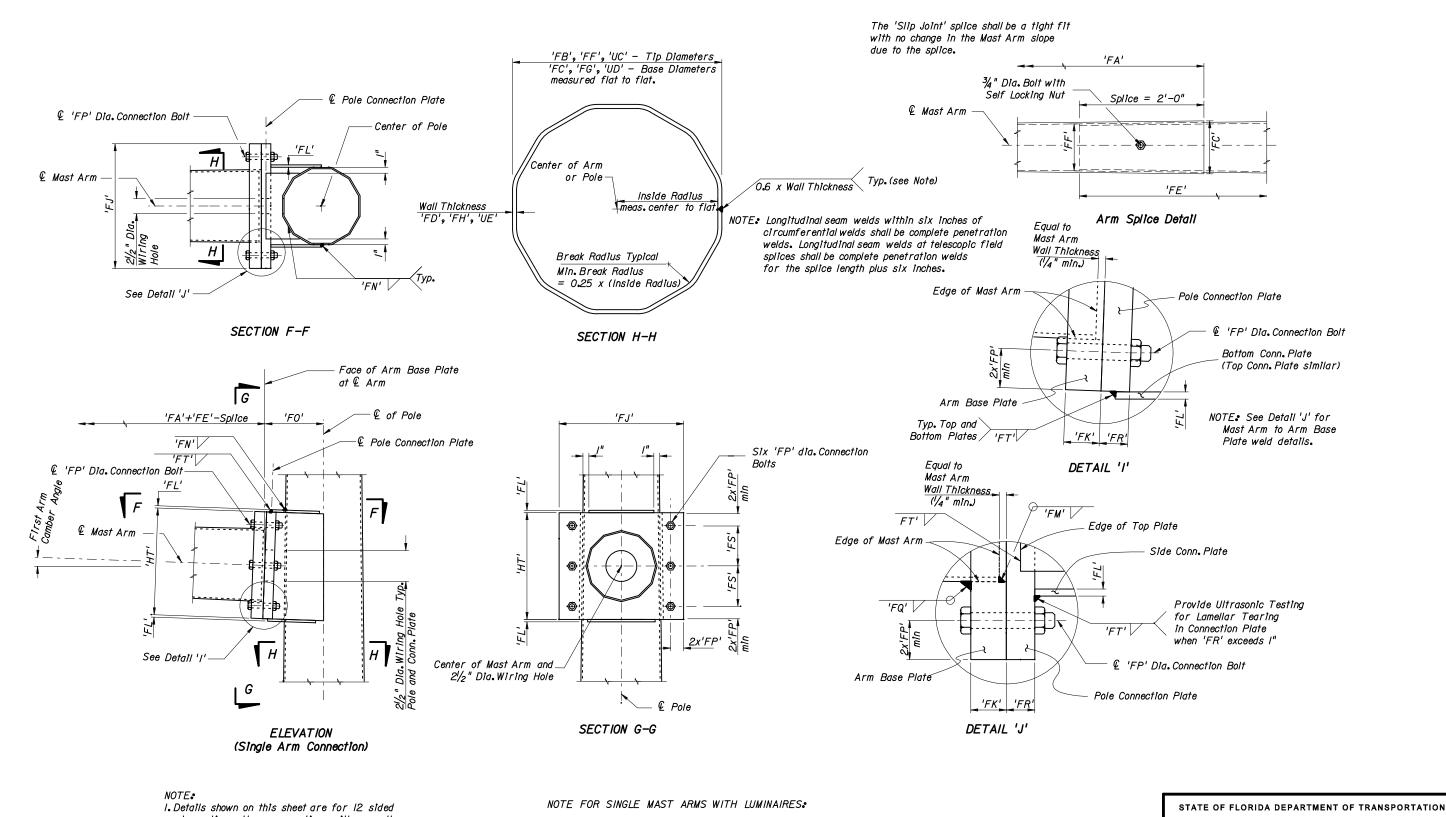
## TYPICAL ELEVATION AND NOTES

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

MAST ARM ASSEMBLIES

	Names	Dates	Approved By ( )			
Designed By			State Structures Design Engineer			
Drawn By			Revision	Sheet No.	Index No.	
Checked By			02	l of 5	17744	





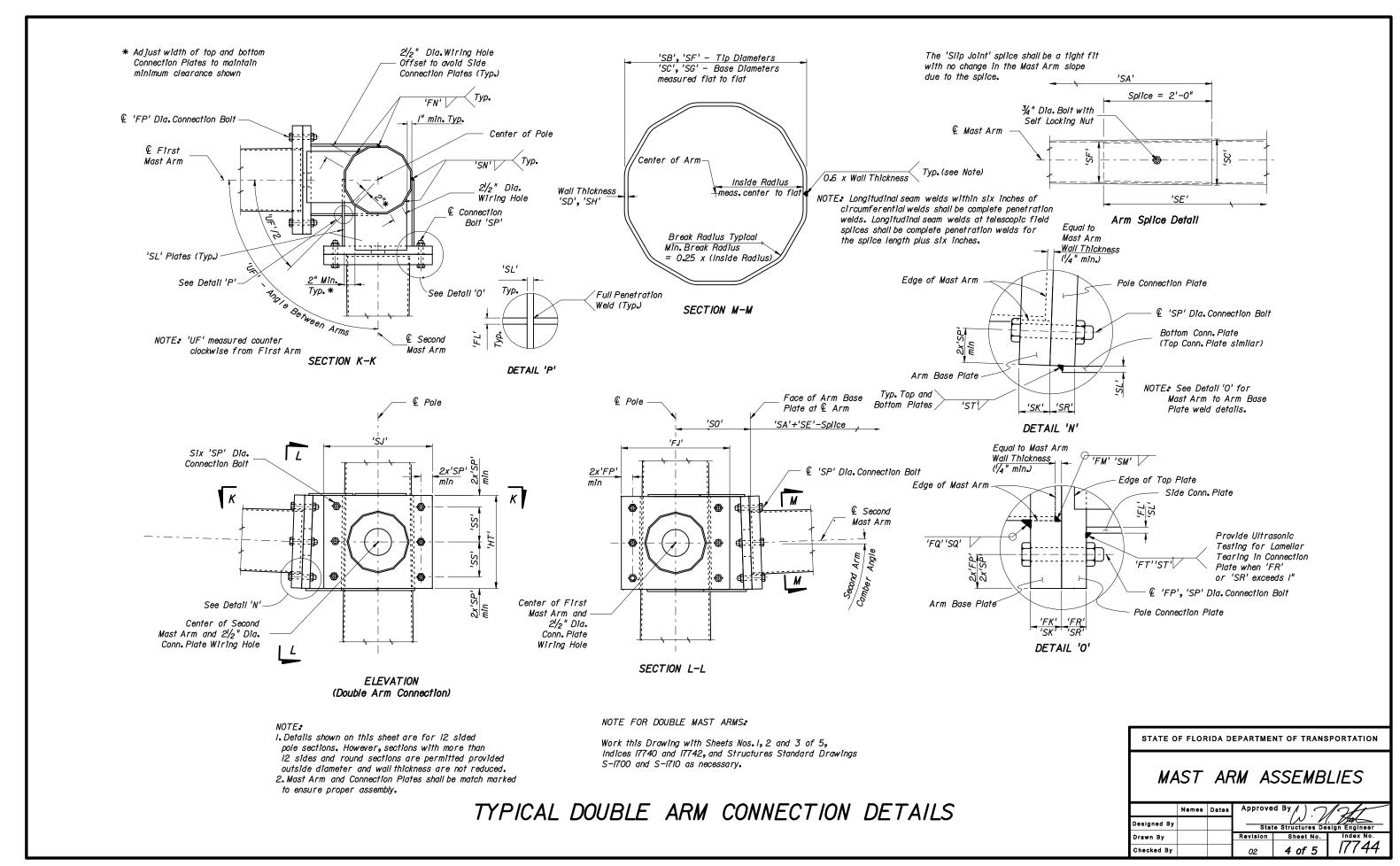
pole sections. However, sections with more than 12 sides and round sections are permitted provided outside diameter and wall thickness are not reduced. 2. Mast Arm and Connection Plates shall be match marked to ensure proper assembly.

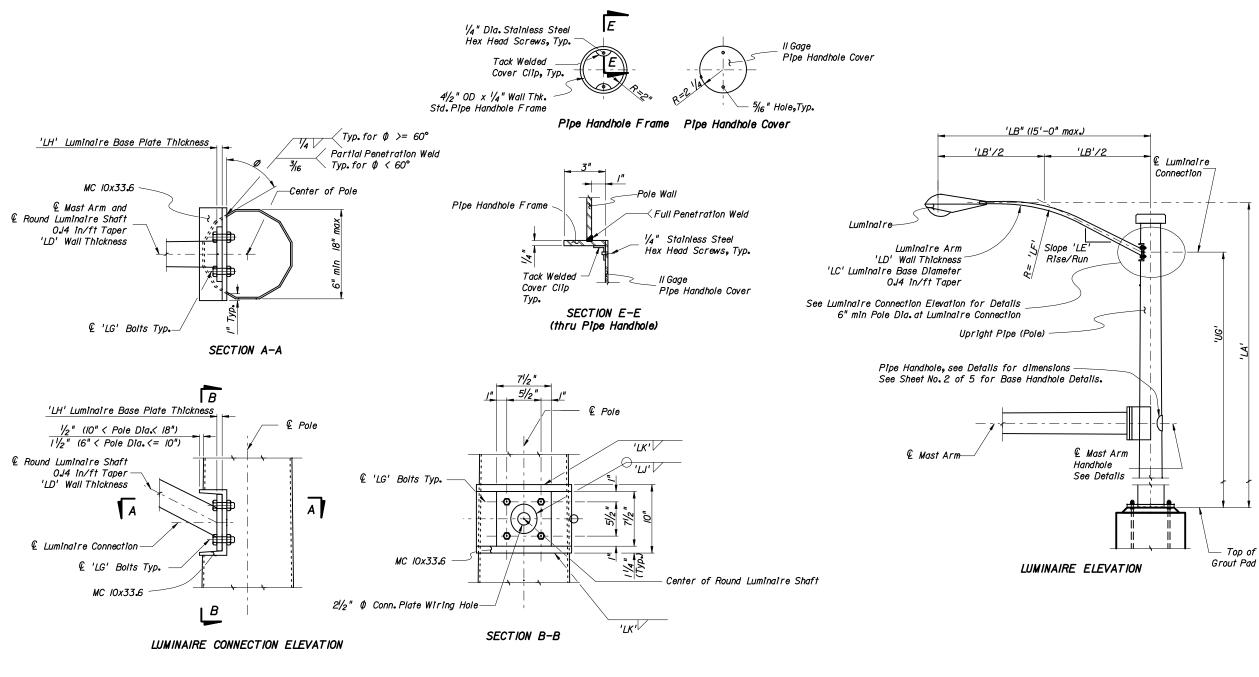
Work this Drawing with Sheets Nos. 1, 2 and 5 of 5, Indices 17740 and 17742, and Structures Standard Drawings S-1700 and S-1710 as necessary.

# TYPICAL SINGLE ARM CONNECTION DETAILS

### MAST ARM ASSEMBLIES

	Names	Dates	Approved By / )			
Designed By			State Structures Design Engineer			
Drawn By			Revision	Sheet No.	Index No.	
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NOTE: The Pole shown on this sheet is a 12 sided section. However, sections with more than 12 sides and round sections are permitted provided outside diameter and wall thickness are not reduced

NOTE: The Fabricator may substitute a ½" thick bent plate with the same flange width, height, and length as the MC IOx33.6 Channel section.

#### NOTES.

- I. Work this Drawing with Sheet Nos. 1,2 and 3 of 5, Indices 17740 and 17742, and Structures Standard Drawings S-1700 and S-1710 as necessary.
- 2. Luminaire type and Luminaire to Arm Connection Details can be found elsewhere.
- 3. Align Luminaire Arm with single Mast Arm or Primary Arm of Double Mast Arm Assembly.

# TYPICAL LUMINAIRE ARM AND CONNECTION DETAILS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

## MAST ARM ASSEMBLIES

	Names	Dates	Approve	d By / ) 🦳	12/1	
Designed By			State Structures Design Engineer			
Drawn By			Revision	Sheet No.	Index No.	
Checked By			02	5 of 5	17744	