

Nut Covers -> ASTM B209 Stainless Steel Screws -> AISI Type 316

Caps

Threaded Bars/Studs -> ASTM A36 or ASTM A307

2) Reinforcing Steel shall be ASTM A615 Grade 60 ksi.

- 3) Concrete shall be Class IV (Drilled Shaft) with a minimum 28-day compressive strength of 4,000 psi for all environmental classifications.
- 4) All welding shall conform to American Welding Society Structural Welding Code (Steel) ANSI/AWS D1.1 (current edition).

-> ASTM A1011 Grade 50, 55, 60 or 65 ksior

- 5) All steel items shall be galvanized as follows: All Nuts, Bolts, Washers and Threaded Bars/Studs -> F2329 All other steel items (including Pole & Mast Arm) -> ASTM A123
- 6) Locate handhole 180° from arm on single arm poles or 180° from first arm of double arm poles or see special instructions on Mast Arm Tabulation Sheet.
- 7) Except for Anchor Bolts, all bolt hole diameters shall be equal to the bolt diameter plus $\frac{1}{16}$ ", prior to galvanizing. Hole diameters for Anchor Bolts shall not exceed the bolt diameter plus $\frac{1}{2}$ ".

- 12) Design according to FDOT Structures Manual (current edition). Alternate Designs for Special Mast Arm Assemblies are not allowed.
- 13) Provide "J", "S" or "C"-Hook at top of pole for signal cable support.
- 14) First and Second Arm Camber Angle = 2°.
- 15) Details for Signal and Sign Locations, Signal Head attachment, Sign Attachment, Pedestrian Head Attachment, and Foundation Conduit are not shown for clarity.
- 16) One hundred percent of full-penetration groove welds and a random 25 percent of partial penetration groove welds shall be inspected. Full-penetration groove weld inspection shall be performed by nondestructive methods of radiography or ultrasonics.
- 17) Manufactuers seeking approval of a steel mast arm assembly for inclusion on the Qualified Products List must submit a QPL Product Evaluation Application along with design documentation and drawings showing the product meets all specified requirements of this Index and Index 17743.
- 18) Verify CSL access tubes will not interfere with anchor bolt installation before excavating the shaft. When CSL access tube locations conflict with anchor bolt locations, move the CSL access tube location +/- two inches along the inner circumference of the reinforcing cage. Notify the Engineer before excavating the shaft if the CSL access tube locations cannot be moved out of conflict with anchor bolt locations.

ELEVATION VIEW

Drilled Shaft -

(Single Arm Shown, Double Arm Similar) (Luminaire Arm Not Shown)

TYPICAL ELEVATION AND NOTES

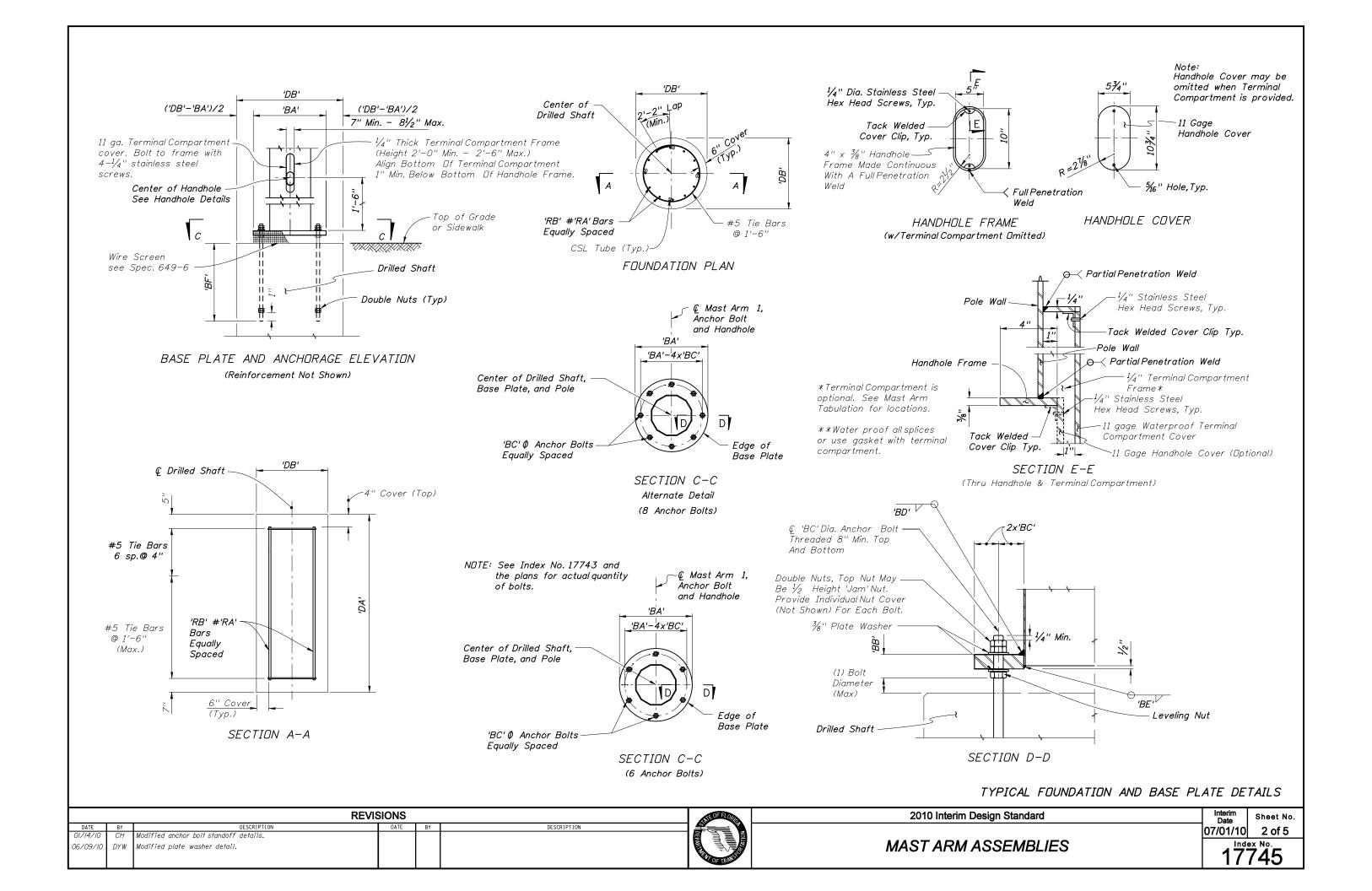
fabrication of Pole.

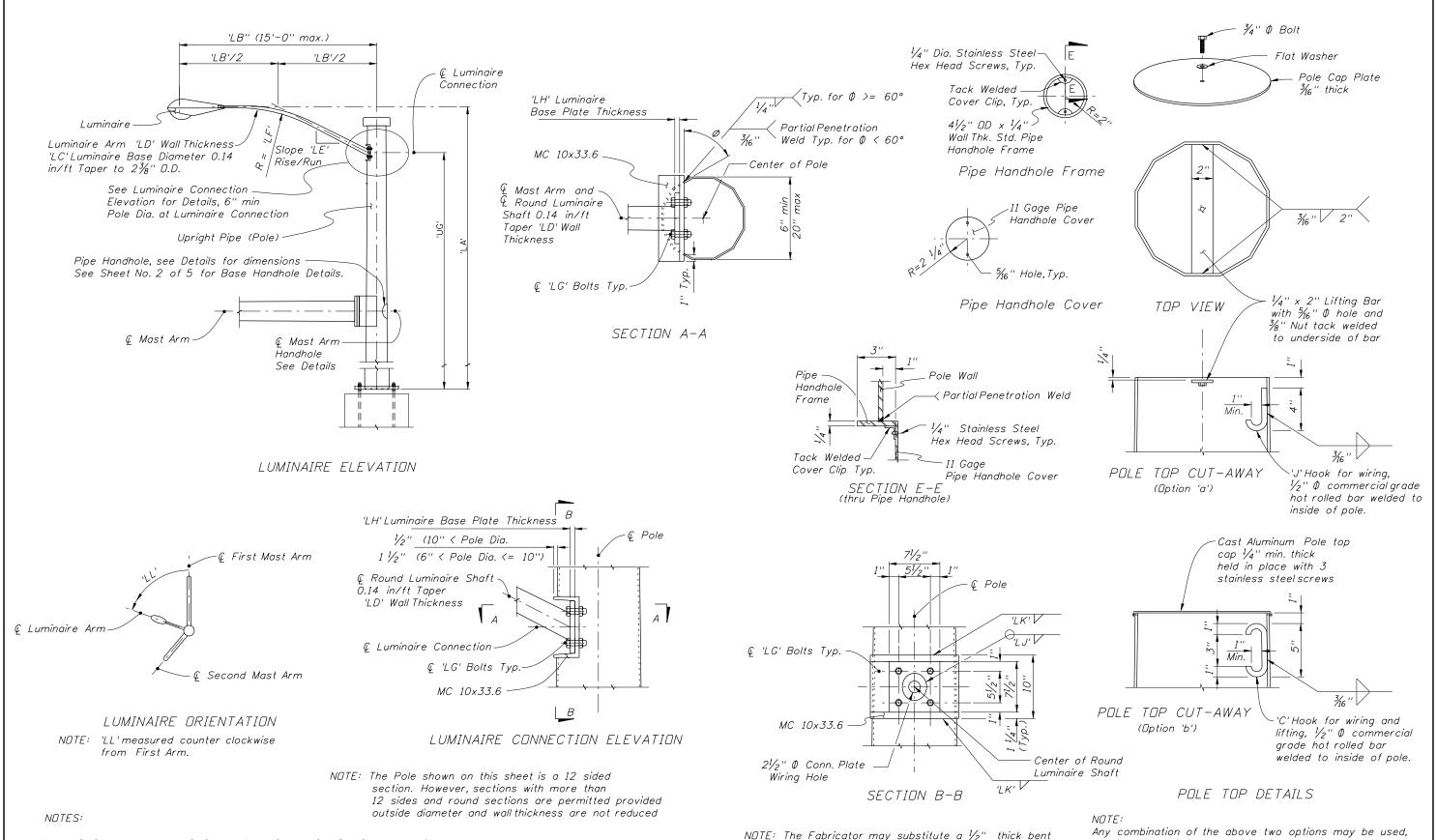
REVISIONS

DATE OF ORGANISM Modified notes 8 and 15. Modified 'UB' dimension.

REVISIONS

DESCRIPTION
DESCRIPTION
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DATE BY DESCRIPTION
DESCRIPTION
ON DATE BY DATE BY DESCRIPTION
ON DATE BY DATE





1. Luminaire type and Luminaire to Arm Connection Details can be found elsewhere.

2. Align Luminaire Arm with single Mast Arm or first Arm of Double Mast Arm unless indicated otherwise in plans.



plate with the same flange width, height, and length as the MC 10x33.6 Channel section.

2010 Interim Design Standard

provided both lifting and wiring is accommodated.

TYPICAL LUMINAIRE ARM AND CONNECTION DETAILS

MAST ARM ASSEMBLIES

17745