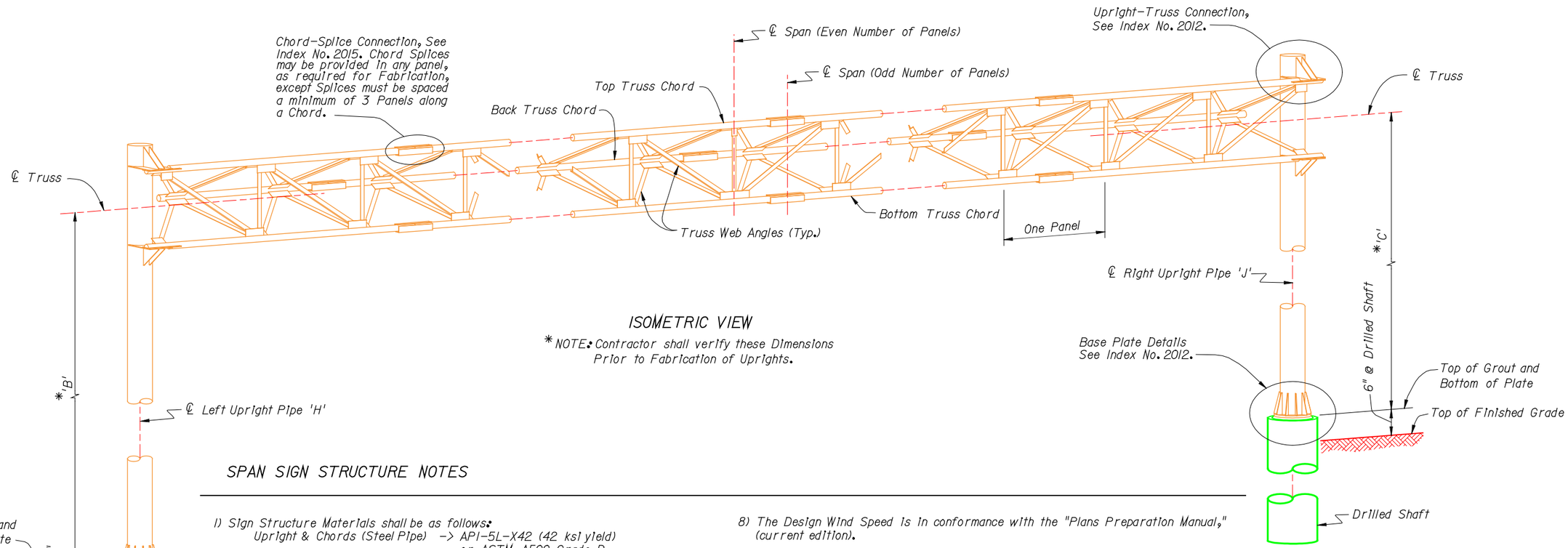
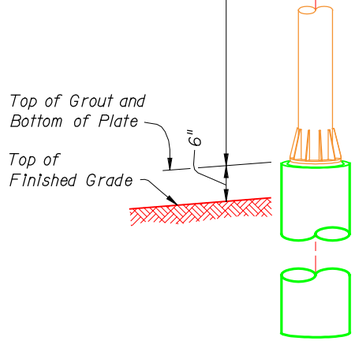


ISOMETRIC VIEW

*NOTE: Contractor shall verify these Dimensions Prior to Fabrication of Uprights.



NOTE: Work Structures Standard Index Nos. 2011 thru S-2016 together, as applicable.

NOTE: See Roadway and Traffic Design Standards for Information on sign connection and lighting Installation.

SPAN SIGN STRUCTURE NOTES

1) Sign Structure Materials shall be as follows:

Upright & Chords (Steel Pipe)	-> API-5L-X42 (42 ksi yield) or ASTM A500 Grade B
Webs and Splices (Steel Angles)	-> ASTM A709 Grade 36
Steel Plates	-> ASTM A709 Grade 36
Weld Metal	-> E70XX
Bolts (except Anchor Bolts & Alt. Splice Bolts)	-> ASTM A307 or ASTM A325 Type I as specified on S-2016 (see Note)
Anchor Bolts	-> ASTM F1554 Grade 55
Alt. Splice Bolts	-> ASTM A325 Type I
Nuts for Anchor Bolts	-> ASTM A563 Grade A Heavy Hex

Note - All Bolts (except Anchor Bolts) shall have Single Self-Locking Nuts or, in lieu thereof, regular nuts with a galvanized 'Palnut' locking nut manufactured by TRW, installed in accordance with the manufacturer's recommendations. Anchor Bolts shall have Double nuts.

2) Reinforcing Steel shall be ASTM A615-96a, Grade 60.

3) Concrete shall be Class IV (Drilled Shaft) with a minimum 28-day compressive strength of 4 ksi for all environmental classifications.

4) Grout shall have a minimum 28-day compressive strength of 5 ksi and shall meet the requirements of Section 934.

5) All welding shall conform to American Welding Society Structural Welding Code (Steel) ANSI/AWS D1.1 (current edition).

6) All Steel Items shall be galvanized as follows:

All Nuts, Bolts and Washers	-> ASTM A153 Class C or D depending on size
All other steel items	-> ASTM A123

7) The Structure must be assembled after galvanizing and prior to shipment to the site to assure fit up. It may be disassembled for shipping.

8) The Design Wind Speed is in conformance with the "Plans Preparation Manual," (current edition).

9) Alternate Designs for this Structure are not allowed.

10) Shop Drawings for this Structure are required and fabrication shall not begin until these Shop Drawings are approved. Shop Drawings shall include the Contractor's field verification of all Upright heights and foundation elevations necessary to insure minimum vertical clearances as per traffic plans. Shop Drawings shall also include anchor bolt orientation with respect to ℄ Truss and the direction of traffic.

11) The foundation for the Sign Structure shall be constructed in accordance with Section 455 of the Specifications except that no payment for the foundation shall be made under Section 455. The cost of providing the foundation shall be included in the pay item for providing the complete Sign Structure. Payment for any incidental items incurred in furnishing and installing this Sign Structure shall be included in the pay item for providing the complete Sign Structure.

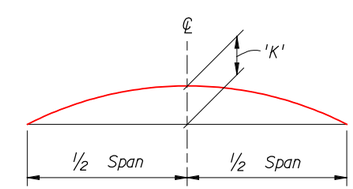
12) Except for Anchor Bolts, all bolt hole diameters shall be equal to the bolt diameter plus 1/16", prior to galvanizing. Hole diameters for Anchor Bolts shall not exceed the bolt diameter plus 1/2".

13) See Elevation Drawing for size and location of Sign Panels. Sign Panels shall be aluminum.

14) Provide a parabolic camber with the maximum upward deflection as called for on the Camber Diagram. Indicate on the Shop Drawings the method to be used to provide required camber. Member dimensions may be altered slightly to provide camber.

15) Chord Splices are either the Standard Splice or the Alternate Splice. Splice types shall not be mixed on a structure.

16) Prior to erection, the as built location of the Anchor Bolts shall be surveyed and this information reported to the Engineer.



CAMBER DIAGRAM

REVISIONS

DATE	BY	DESCRIPTION
6-30-00	SDO	Standard Drawing Issue Date

DATE	BY	DESCRIPTION

	NAMES	DATES
DRAWN BY	JSP	2-00
CHECKED BY	MHA	2-00
DESIGNED BY	MHA	6-89
CHECKED BY	REN	6-89
APPROVED BY	REN	

ENGINEER OF RECORD:
STRUCTURES DESIGN OFFICE
CENTRAL OFFICE
605 Suwannee Street, MS 33
Tallahassee, Florida 32399-0450

FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID

SHEET TITLE: SPAN SIGN STRUCTURE - NOTES, ISOMETRIC VIEW
INDEX NO. 2011

PROJECT NAME:

SHEET NO.

$USERNAME$ $$$$$$$$LOGINSPECIFICATION$$$$$$$$
$$$$$$$$SYSTIME$$$$$$$$TIME$