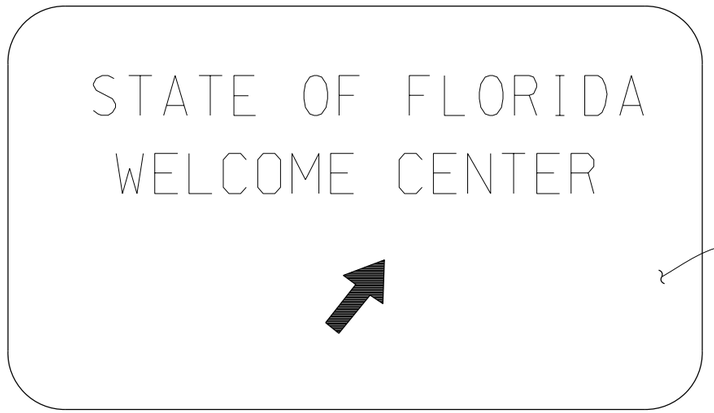
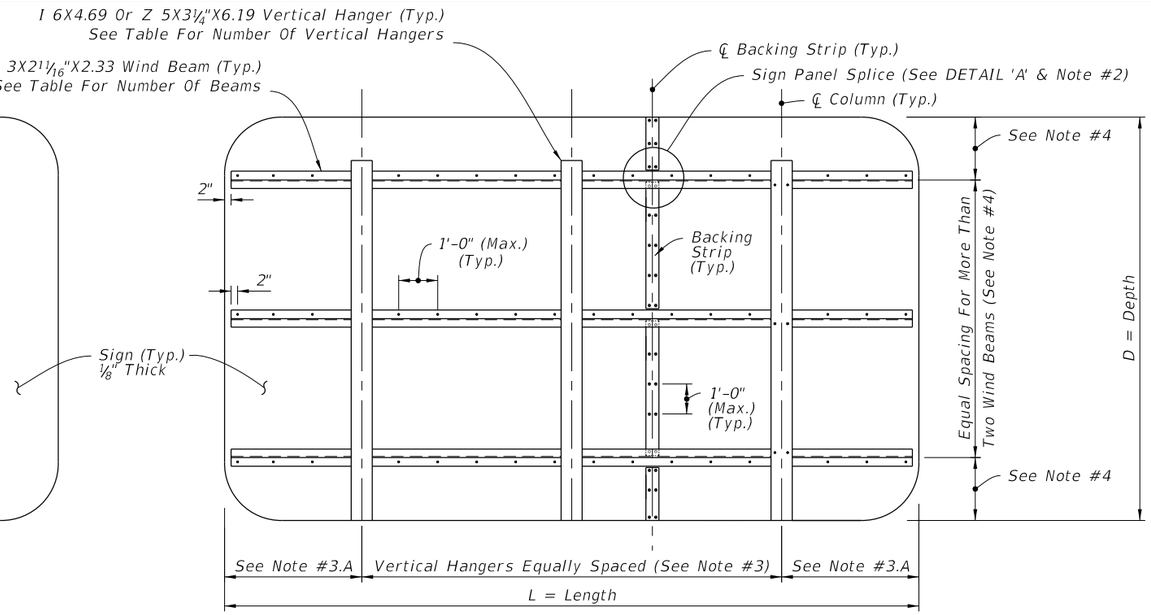
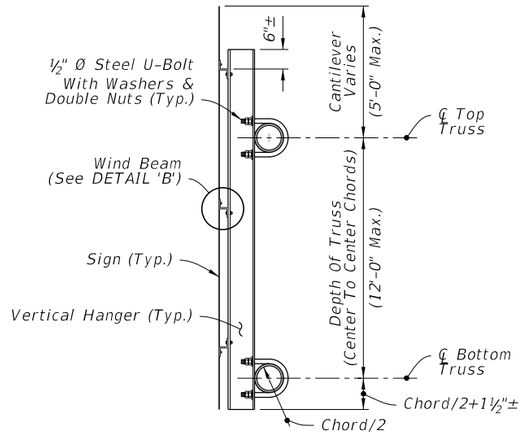


FRONT ELEVATION

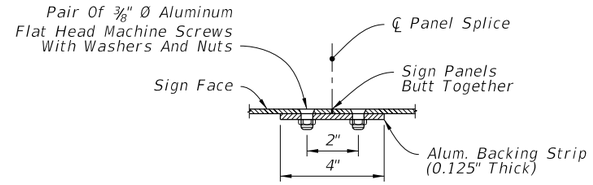


BACK ELEVATION

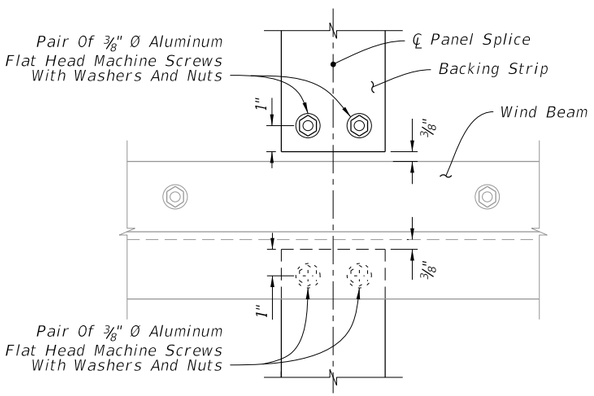


SIDE ELEVATION

TYPICAL SIGN FOR OVERHEAD TRUSS



PLAN VIEW

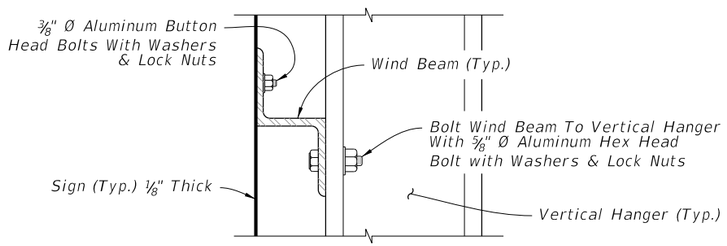


ELEVATION

SIGN PANEL SPLICE

DETAIL 'A'

WIND BEAMS AND VERTICAL HANGERS							
Number Of Z 3x2 1/16 x2.33 Horiz. Wind Beams For Sign Depth And Wind			Number Of I6x4.69 or Z 5x3¼x6.19 Vertical Hanger Beams For Sign Length				
Wind M.P.H.	No. Beams	Max. Depth	2 Hangers Max Length	3 Hangers Max Length	4 Hangers Max Length	5 Hangers Max Length	6 Hangers Max Length
170	2	5'	20'	30'	40'	45'	X
170	3	9'	20'	30'	40'	45'	X
170	4	12'	15'	22'	30'	38'	45'
170	5	15'	15'	22'	30'	38'	45'
170	6	18'	15'	22'	30'	38'	45'
150	2	5'	25'	38'	45'	X	X
150	3	9'	25'	38'	45'	X	X
150	4	12'	20'	25'	38'	45'	X
150	5	15'	20'	25'	38'	45'	X
150	6	18'	20'	25'	38'	45'	X
130	2	5'	35'	45'	X	X	X
130	3	9'	35'	45'	X	X	X
130	4	12'	25'	35'	45'	X	X
130	5	15'	25'	35'	45'	X	X
130	6	18'	25'	35'	45'	X	X



DETAIL 'B'

GENERAL NOTES

1. Work this Index with Index 11310 and 11320.
2. The number and location of the Panel Splices are determined by the Sign Face supplier.
3. Spacing of Vertical Hangers:
   A. Two Vertical Hanger = 21.0% L
      Three Vertical Hanger = 14.5% L
      Four Vertical Hanger = 10.7% L
      Five Vertical Hanger = 8.5% L
      Six Vertical Hanger = 7.0% L
   B. Spacing of vertical hanges may be varied slightly as necessary to clear the truss struts and diagonals at panel points
4. Spacing of Wind Beams:
   Two Wind Beams = 21.0% D
   Three Wind Beams = 14.5% D
   Four Wind Beams = 10.7% D
   Five Wind Beams = 8.5% D
   Six Wind Beems = 7.0% D
5. Shop Drawings:
   A. Required for Sign Panels deeper than 10'-0" with a horizontal panel splice.
   B. Splice must be located in between interior Zee Supports and only allowed on signs greater than 10'-0".
6. Materials:
   A. Aluminum:
      a. Bars, and Extruded Shapes: ASTM B 221, Alloy 6061-T6 or Alloy 6351-T5
      b. Structural Shapes: ASTM B308, Alloy 6061-T6
      c. Flat Head and Hex Head Machine Bolts: ASTM F468, Alloy 2024-T4
      d. Hex Nuts: ASTM F467, Alloy 6061-T6 or Alloy 6262-T9
      e. Lock Washers: ASTM B221, Alclad 2024-T4
   B. Steel Materials:
      a. U-Bolts: ASTM A449 or ASTM A193 B7
      b. Nuts: ASTM F563, 2 per leg
      c. Washers: ASTM F436, (Flat Washers)
7. Coatings:
   A. Aluminum Bolts, Nuts and Washers: Anodic (0.0002 inches min) and chromate sealed.
   B. Galvanized Steel Bolts, Nuts and Washers: ASTM F2329

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LAST REVISION	REVISION	DESCRIPTION:			INDEX NO.	SHEET NO.
11/01/16			FY 2017-18 DESIGN STANDARDS	STEEL OVERHEAD SIGN STRUCTURES	11300	1 of 1