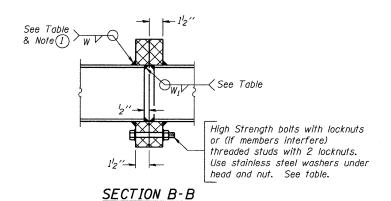
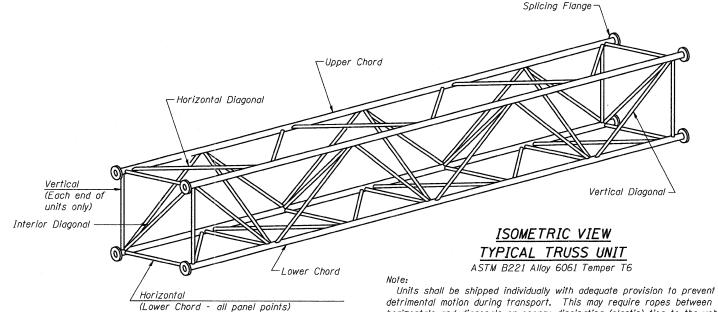
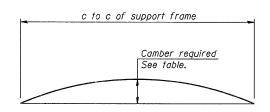
TRUSS UNIT TABLE

Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber	Splicing Flange					
			No. Panels	Unit I Lgth.(Le) Le	Panel	No.	No. Panels		Panel					Midspan	Bolts		Weld Sizes		Λ .	В
			per Unit	$Lgth.(L_e)$	Lgth.(P)	Req'd.	per Unit	$Lgth.(L_i)$	Lgth.(P)	0.D.	Wall	0.D.	Wall		No./Splice	Dia.	W	W_I		
8S060I270R002.3	1217+50	II-A	5	29'-2"	5'-52"	1	4	23'-1"	5'-5 ¹ 2"	5½"	⁵ 16 "	3"	⁵ 16 "	1 ¹⁵ 16 "	6	⁷ 8"	38"	4"	94"	121/4"
							4													
							:				-									
												,								
								<u> </u>												
-																				
										<u> </u>										



1) Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.

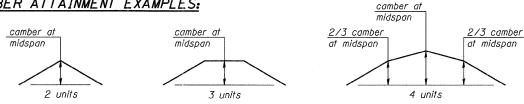




(Upper Chord - each end of each unit only)

CAMBER DIAGRAM Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)

054-A-2

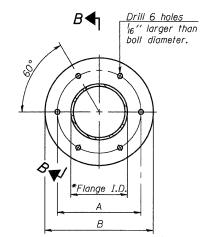
1-20-11

FILE NAME =	USER NAME = _MML_	DESIGNED - MCB	REVISED -
\D876A91-003-sign-os4-a-2.dgn		CHECKED ~ GJB	REVISED -
	PLOT SCALE = 0:1.0000000 ':" / IN.	DRAWN - CFC	REVISED -
CB PROJECT NO. 08029	PLOT DATE = 3/16/2011	CHECKED - MCB	REVISED -

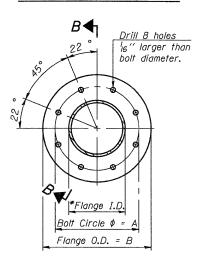
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I-A, II-A AND III-A SHEET NO. 3 OF 11 SHEETS

horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and

protection of the units.



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A

SPLICING FLANGES

ASTM B221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651 *To fit O.D. of Chord with maximum gap of $^{1}_{16}$ ".

Coombe-Bloxdorf P.C. -CIVIL ENGINEERS--STRUCTURAL ENGINEERS--LAND SURVEYORS-

Design Firm License No. 184-002703 COUNTY SHEETS NO.
MADISON 712 369 F.A.I. RTE. 270 SECTION 60-1B-1 CONTRACT NO. 76A91