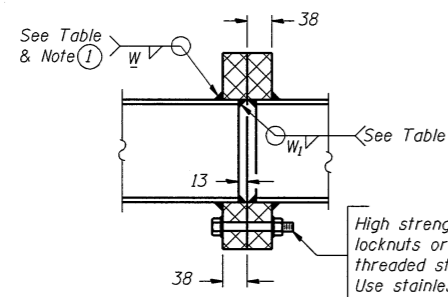


TRUSS UNIT TABLE

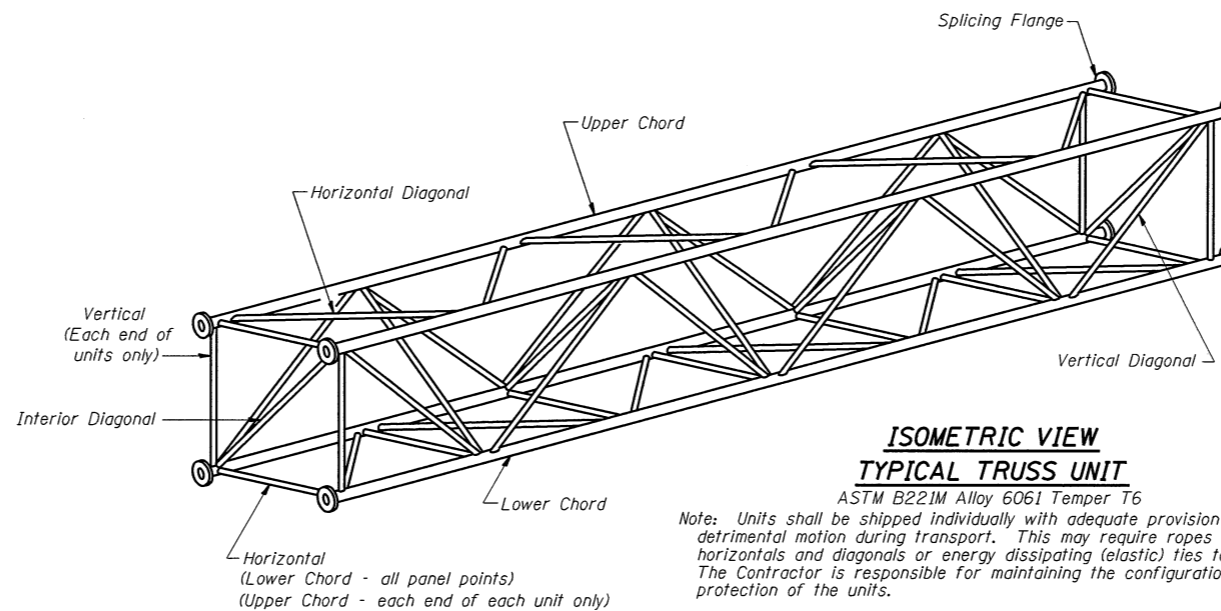
| Structure Number | Station | Design Truss Type | Exterior Units (2) | | | Interior Unit | | | | Upper & Lower Chord | | Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals | | | | Camber at Midspan | Splicing Flange | | | | | |
|------------------|---------|-------------------|---------------------|---------------------------------|--------------------|---------------|---------------------|---------------------------------|--------------------|---------------------|------|--|------|------------|------|-------------------|-----------------|----------------|-----|-----|--|--|
| | | | No. Panels per Unit | Unit Lgth.(L _e) (m) | Panel Lgth.(P) (m) | No. Req'd. | No. Panels per Unit | Unit Lgth.(L _i) (m) | Panel Lgth.(P) (m) | O.D. | Wall | O.D. | Wall | Bolts | | | Weld Sizes | | A | B | | |
| | | | | | | | | | | | | | | No./Splice | Dia. | | W | W _i | | | | |
| 5S0571055R164.7 | 37+140 | I-A | 7 | 10.181 | 1.373 | 1 | 6 | 8.618 | 1.373 | 140 | 8 | 64 | 8 | 79 | 6 | 22 | 10 | 6 | 230 | 311 | | |
| 5S0571055L165.2 | 37+953 | I-A | 6 | 9.486 | 1.486 | 0 | | | | 127 | 6 | 64 | 6 | 34 | 6 | 22 | 8 | 6 | 222 | 298 | | |
| 5S0571055L165.5 | 38+425 | I-A | 8 | 11.49 | 1.365 | 0 | | | | 127 | 8 | 64 | 8 | 52 | 6 | 22 | 8 | 6 | 222 | 298 | | |
| 5S0571055L165.8 | 38+925 | I-A | 6 | 8.886 | 1.386 | 1 | 6 | 8.696 | 1.386 | 127 | 8 | 64 | 8 | 66 | 6 | 22 | 8 | 6 | 222 | 298 | | |



SECTION B-B

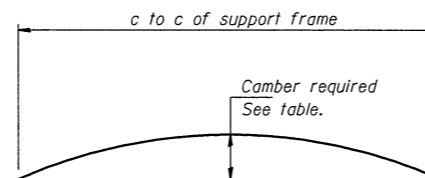
High strength bolts with heavy hex locknuts or (if members interfere) threaded studs with two locknuts. Use stainless steel washers under head and nut. See table.

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.



ISOMETRIC VIEW TYPICAL TRUSS UNIT

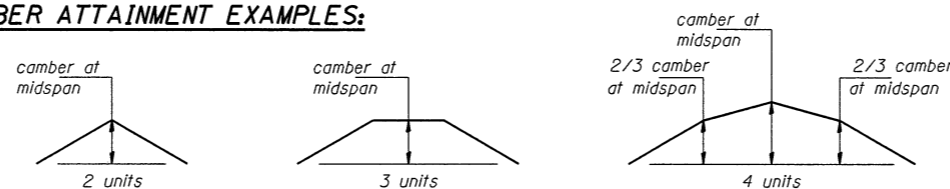
ASTM B221M Alloy 6061 Temper T6
 Note: Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.



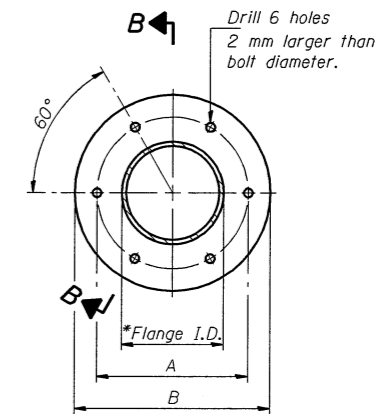
CAMBER DIAGRAM

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

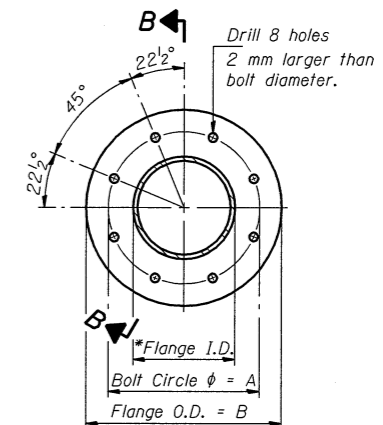
CAMBER ATTAINMENT EXAMPLES:



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



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



TRUSS TYPES II-A & III-A

SPLICING FLANGES

ASTM B221M, Alloy 6061-T6
 or ASTM B209M, Alloy 6061-T651
 *To fit O.D. of Chord with maximum gap of 2 mm.

| NUMBER | REVISION | DATE |
|--------|----------|------|
| | | |
| | | |
| | | |
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| | | |
|--|---------------------|--|
| SHEET TITLE OVERHEAD SIGN STRUCTURE ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I-A, II-A AND III-A | | |
| PROJECT F.A.I. 55 SECTION (57-4)R, HBY, HBR, (57-4VB)DM McLEAN COUNTY | PROJECT NO. 9450 | SCALE DATE 10/08/04 DRAWN BY TFG CHECKED BY MCB DRAWING NO. |
| COOMBE-BLOXDORF P.C. Engineers/Land Surveyors Springfield, Illinois Design Firm License No. 184-002703 | | 4 OF 24 SHTS |