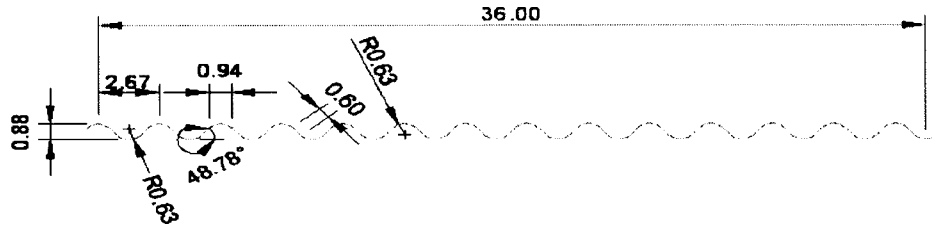


### UPLIFT LOAD, 7/8 Corrugated



|                    | span type       | load type  | Uplift - Total Allowable Load in psf, (span in feet) |       |       |       |      |      |      |      |      |      |
|--------------------|-----------------|------------|--|-------|-------|-------|------|------|------|------|------|------|
|                    |                 |            | 3  | 3.5   | 4     | 4.5   | 5    | 6    | 7    | 8    | 9    | 10   |
| 26 Gage (Fy=80ksi) | single span     | stress     | 139.9  | 102.7 | 78.7  | 62.2  | 50.3 | 35.0 | 25.7 | 19.7 | 15.5 | 12.6 |
|                    |                 | deflection | 78.6   | 49.5  | 33.2  | 23.3  | 17.0 | 9.8  | 6.2  | 4.1  | 2.9  | 2.1  |
|                    | 2 spans         | stress     | 141.8  | 104.2 | 79.7  | 63.0  | 51.0 | 35.4 | 26.0 | 19.9 | 15.8 | 12.8 |
|                    |                 | deflection | 191.7  | 120.7 | 80.9  | 56.8  | 41.4 | 24.0 | 15.1 | 10.1 | 7.1  | 5.2  |
|                    | 3 spans or more | stress     | 165.5  | 121.6 | 93.1  | 73.5  | 59.6 | 41.4 | 30.4 | 23.3 | 18.4 | 14.9 |
|                    |                 | deflection | 159.4  | 100.4 | 67.2  | 47.2  | 34.4 | 19.9 | 12.5 | 8.4  | 5.9  | 4.3  |
|                    | span type       | load type  | Uplift - Total Allowable Load in psf, (span in feet) |       |       |       |      |      |      |      |      |      |
|                    |                 |            | 3  | 3.5   | 4     | 4.5   | 5    | 6    | 7    | 8    | 9    | 10   |
| 24 Gage (Fy=50ksi) | single span     | stress     | 185.3  | 136.1 | 104.2 | 82.3  | 66.7 | 46.3 | 34.0 | 26.1 | 20.6 | 16.7 |
|                    |                 | deflection | 103.1  | 64.9  | 43.5  | 30.6  | 22.3 | 12.9 | 8.1  | 5.4  | 3.8  | 2.8  |
|                    | 2 spans         | stress     | 185.7  | 136.5 | 104.5 | 82.5  | 66.9 | 46.4 | 34.1 | 26.1 | 20.6 | 16.7 |
|                    |                 | deflection | 248.4  | 156.4 | 104.8 | 73.6  | 53.7 | 31.0 | 19.6 | 13.1 | 9.2  | 6.7  |
|                    | 3 spans or more | stress     | 216.8  | 159.3 | 121.9 | 96.3  | 78.0 | 54.2 | 39.8 | 30.5 | 24.1 | 19.5 |
|                    |                 | deflection | 206.6  | 130.1 | 87.1  | 61.2  | 44.6 | 25.8 | 16.3 | 10.9 | 7.7  | 5.6  |
|                    | span type       | load type  | Uplift - Total Allowable Load in psf, (span in feet) |       |       |       |      |      |      |      |      |      |
|                    |                 |            | 3  | 3.5   | 4     | 4.5   | 5    | 6    | 7    | 8    | 9    | 10   |
| 22 Gage (Fy=50ksi) | single span     | stress     | 235.0  | 172.6 | 132.2 | 104.4 | 84.6 | 58.7 | 43.2 | 33.0 | 26.1 | 21.1 |
|                    |                 | deflection | 134.3  | 84.6  | 56.7  | 39.8  | 29.0 | 16.8 | 10.6 | 7.1  | 5.0  | 3.6  |
|                    | 2 spans         | stress     | 235.0  | 172.6 | 132.2 | 104.4 | 84.6 | 58.7 | 43.2 | 33.0 | 26.1 | 21.1 |
|                    |                 | deflection | 323.5  | 203.7 | 136.5 | 95.9  | 69.9 | 40.4 | 25.5 | 17.1 | 12.0 | 8.7  |
|                    | 3 spans or more | stress     | 274.2  | 201.5 | 154.3 | 121.9 | 98.7 | 68.6 | 50.4 | 38.6 | 30.5 | 24.7 |
|                    |                 | deflection | 269.0  | 169.4 | 113.5 | 79.7  | 58.1 | 33.6 | 21.2 | 14.2 | 10.0 | 7.3  |
|                    | span type       | load type  | Uplift - Total Allowable Load in psf, (span in feet) |       |       |       |      |      |      |      |      |      |
|                    |                 |            | 3  | 3.5   | 4     | 4.5   | 5    | 6    | 7    | 8    | 9    | 10   |
| 20 Gage (Fy=40ksi) | single span     | stress     | 189.8  | 139.4 | 106.8 | 84.3  | 68.3 | 47.4 | 34.9 | 26.7 | 21.1 | 17.1 |
|                    |                 | deflection | 154.7  | 97.4  | 65.3  | 45.8  | 33.4 | 19.3 | 12.2 | 8.2  | 5.7  | 4.2  |
|                    | 2 spans         | stress     | 189.8  | 139.4 | 106.8 | 84.3  | 68.3 | 47.4 | 34.9 | 26.7 | 21.1 | 17.1 |
|                    |                 | deflection | 372.6  | 234.6 | 157.2 | 110.4 | 80.5 | 46.6 | 29.3 | 19.6 | 13.8 | 10.1 |
|                    | 3 spans or more | stress     | 221.5  | 162.7 | 124.6 | 98.4  | 79.7 | 55.4 | 40.7 | 31.1 | 24.6 | 19.9 |
|                    |                 | deflection | 309.8  | 195.1 | 130.7 | 91.8  | 66.9 | 38.7 | 24.4 | 16.3 | 11.5 | 8.4  |

| Section Properties |       |       | Top in Compression    |                       |          | Bott. in Compression  |                       |          |
|--------------------|-------|-------|-----------------------|-----------------------|----------|-----------------------|-----------------------|----------|
| gage               | fy    | wt    | ix                    | sx                    | ma       | ix                    | sx                    | ma       |
|                    | (ksi) | (psf) | (in <sup>4</sup> /ft) | (in <sup>3</sup> /ft) | (kip-in) | (in <sup>4</sup> /ft) | (in <sup>3</sup> /ft) | (kip-in) |
| 26                 | 80    | 0.92  | 0.0250                | 0.0533                | 1.9139   | 0.0247                | 0.0526                | 1.8880   |
| 24                 | 50    | 1.17  | 0.0324                | 0.0704                | 2.5074   | 0.0324                | 0.0696                | 2.5009   |
| 22                 | 50    | 1.49  | 0.0422                | 0.0891                | 3.1722   | 0.0422                | 0.0883                | 3.1722   |
| 20                 | 40    | 1.75  | 0.0486                | 0.1079                | 2.5620   | 0.0486                | 0.1070                | 2.5620   |
| max. deflection    |       | 180   |                       |                       |          |                       |                       |          |