



| NOMINAL DIMENSIONS | | | | LAYOUT DIMENSIONS | | | | |
|--------------------|---------|-----------------|---------------------------------|-------------------|----------------|--------------------|-------------|--------------|
| SPAN | RISE | AREA SQ. FT. | TOTAL PERIPHERY PI INCHES | B INCHES | RISE INCHES | 1/2 SPAN INCHES | R INCHES | R' INCHES |
| 13' 3" | 9' 4" | 98 | 138 | 38.6 | 112.3 | 79.7 | 80.1 | 192.6 |
| 13' 6" | 9' 6" | 102 | 141 | 37.8 | 114.4 | 81.1 | 81.3 | 220.0 |
| 14' 0" | 9' 8" | 106 | 144 | 39.6 | 116.2 | 83.8 | 84.4 | 197.9 |
| 14' 2" | 9' 10" | 110 | 147 | 38.9 | 118.4 | 85.3 | 85.6 | 222.6 |
| 14' 5" | 10' 0" | 115 | 150 | 38.0 | 120.5 | 86.4 | 86.6 | 256.6 |
| 14' 11" | 10' 2" | 119 | 153 | 39.9 | 122.3 | 89.3 | 89.8 | 227.7 |
| 15' 4" | 10' 4" | 124 | 156 | 41.9 | 124.1 | 92.1 | 93.1 | 208.5 |
| 15' 7" | 10' 6" | 129 | 159 | 41.0 | 126.3 | 93.5 | 94.1 | 232.1 |
| 15' 10" | 10' 8" | 133 | 162 | 40.1 | 128.5 | 94.8 | 95.2 | 260.6 |
| 16' 3" | 10' 10" | 138 | 165 | 42.2 | 130.2 | 97.7 | 98.5 | 236.0 |
| 16' 6" | 11' 0" | 143 | 168 | 41.2 | 132.4 | 99.0 | 99.5 | 263.2 |
| 17' 0" | 11' 2" | 148 | 171 | 43.4 | 134.2 | 101.8 | 102.9 | 241.0 |
| 17' 2" | 11' 4" | 153 | 174 | 42.4 | 136.3 | 103.1 | 103.8 | 266.8 |
| 17' 5" | 11' 6" | 158 | 177 | 41.4 | 138.5 | 104.4 | 104.8 | 297.9 |
| 17' 11" | 11' 8" | 163 | 180 | 43.6 | 140.3 | 107.3 | 108.2 | 270.6 |
| 18' 1" | 11' 10" | 168 | 183 | 42.5 | 142.4 | 108.6 | 109.1 | 299.7 |
| 18' 7" | 12' 0" | 174 | 186 | 44.8 | 144.2 | 111.5 | 112.6 | 274.5 |
| 18' 9" | 12' 2" | 179 | 189 | 43.7 | 146.4 | 112.7 | 113.5 | 302.3 |
| 19' 3" | 12' 4" | 185 | 192 | 46.0 | 148.1 | 115.7 | 117.0 | 278.6 |
| 19' 6" | 12' 6" | 190 | 195 | 44.9 | 150.3 | 117.0 | 117.9 | 305.1 |
| 19' 8" | 12' 8" | 196 | 198 | 43.8 | 152.5 | 118.2 | 118.8 | 336.5 |
| 19' 11" | 12' 10" | 202 | 201 | 42.6 | 154.7 | 119.3 | 119.7 | 374.3 |
| 20' 5" | 13' 0" | 208 | 204 | 45.0 | 156.4 | 122.4 | 123.2 | 338.1 |
| 20' 7" | 13' 2" | 214 | 207 | 43.8 | 158.6 | 123.5 | 124.0 | 373.5 |

DIMENSIONS ARE TO INSIDE CRESTS AND ARE SUBJECT TO REASONABLE MANUFACTURING TOLERANCES.

APPROVED Oct. 1, 1966
W. A. Ebern
 ASSISTANT COMMISSIONER
 ENGINEERING STANDARDS

STATE OF MINNESOTA
 DEPARTMENT OF TRANSPORTATION
 DESIGN DATA
 STRUCTURAL PLATE STRUCTURES
 (31" CORNER RADIUS)

SPECIFICATION
 REFERENCE
 2415

STANDARD
 PLATE
 NO.
 3051B