


| PRIMARY MATERIAL     | GAUGE/ THICK | DEPTH (mm)    | #/LF (kg/m) | LOAD     | CLEAR SPAN |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------------|--------------|---------------|-------------|----------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                      |              |               |             |          | 24"        | 30"  | 36"  | 42"  | 48"  | 54"  | 60"  | 66"  | 72"  | 78"  | 84"  | 90"  | 96"  | 108" | 120" | 132" | 144" |
| ALUM.                | 0.1250"      | 1-1/2" (38.1) | 1.63 (2.42) | <b>U</b> | 359        | 294  | 213  | 153  | 112  | 88   | 69   | 63   | 55   | 40   | 30   | --   | --   | --   | --   | --   | --   |
|                      |              |               |             | <b>D</b> | 0.02       | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.20 | 0.25 | 0.25 | 0.25 | --   | --   | --   | --   | --   | --   |
|                      |              | 2" (50.8)     | 1.80 (2.68) | <b>U</b> | 727        | 595  | 431  | 310  | 227  | 177  | 139  | 127  | 112  | 81   | 61   | 46   | 35   | 22   | --   | --   | --   |
|                      |              |               |             | <b>D</b> | 0.02       | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.20 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | --   | --   | --   |
| CARBON & GALV. STEEL | 13           | 1-1/2" (38.1) | 3.40 (5.06) | <b>U</b> | 824        | 675  | 488  | 351  | 257  | 201  | 158  | 144  | 127  | 92   | 69   | --   | --   | --   | --   | --   |      |
|                      |              |               |             | <b>D</b> | 0.02       | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.20 | 0.25 | 0.25 | 0.25 | --   | --   | --   | --   | --   |      |
|                      |              | 2" (50.8)     | 3.71 (5.52) | <b>U</b> | 1642       | 1345 | 973  | 700  | 513  | 400  | 315  | 287  | 253  | 184  | 137  | 104  | 80   | 50   | --   | --   |      |
|                      |              |               |             | <b>D</b> | 0.02       | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.20 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | --   | --   |      |
|                      |              | 3" (76.2)     | 4.11 (6.11) | <b>U</b> | 4378       | 3587 | 2595 | 1867 | 1368 | 1068 | 841  | 766  | 676  | 491  | 365  | 277  | 214  | 133  | 88   | 60   | 42   |
|                      |              |               |             | <b>D</b> | 0.02       | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.20 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
|                      | 11           | 1-1/2" (38.1) | 4.72 (7.02) | <b>U</b> | 1032       | 845  | 612  | 440  | 323  | 252  | 198  | 180  | 159  | 116  | 86   | --   | --   | --   | --   | --   |      |
|                      |              |               |             | <b>D</b> | 0.02       | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.20 | 0.25 | 0.25 | 0.25 | --   | --   | --   | --   | --   |      |
|                      |              | 2" (50.8)     | 5.15 (7.66) | <b>U</b> | 2084       | 1707 | 1235 | 889  | 651  | 508  | 400  | 364  | 322  | 233  | 174  | 132  | 102  | 64   | --   | --   |      |
|                      |              |               |             | <b>D</b> | 0.02       | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.20 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | --   | --   |      |
|                      |              | 3" (76.2)     | 6.13 (9.12) | <b>U</b> | 5619       | 4603 | 3330 | 2396 | 1756 | 1370 | 1079 | 982  | 867  | 630  | 468  | 355  | 274  | 171  | 112  | 77   | 54   |
|                      |              |               |             | <b>D</b> | 0.02       | 0.04 | 0.06 | 0.08 | 0.10 | 0.13 | 0.15 | 0.20 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |

**U** - Uniform Load - Lbs. per Square Foot

**D** - Deflection - in Inches

- Spans and loading values to the left of the bolded black line produce a deflection of 1/4" or less under a uniform load of 100 lbs. per square foot, allowing for safe pedestrian comfort. Span and loading values to the right of the bolded black line are applicable to other types of loads at the discretion of a licensed engineer.
  - Technical information provided is theoretical and for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk. **McNICHOLS** shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Plank Grating.
-  ADA compliant product when installed using multiple pieces to width regardless of the direction of travel.

