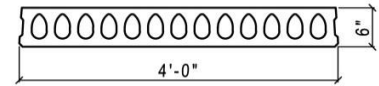






Ultralight Load Table 6" Thick 1.0" Strand Cover



| No Structural Topping Dead Load Weight of Slab = 48 psf | | | | | |
|--|--|-----------------------|------------------|------------------|--|
| IBC Fire Ratings | Unrestrained 1 hour | | | | |
| | Restrained 1 1/2 hours | | | | |
| Section Properties | | | | | |
| $A = 197 \text{ in}^2$ | $Y_t = 3.02 \text{ in}$ | $b = 17.5 \text{ in}$ | | | |
| $I = 779 \text{ in}^4$ | $Y_b = 2.98 \text{ in}$ | $wt = 48 \text{ psf}$ | | | |
| ϕM_n ft-k/ft | 11.57 | 15.04 | 18.28 | 21.36 | |
| Series | 1.0F-6606 | 1.0F-6608 | 1.0F-6610 | 1.0F-6612 | |
| Span in Feet | Allowable Superimposed Load In lbs/ft ² | | | | |
| 11 | 442 | 482 | | | |
| 12 | 366 | 419 | 454 | 482 | |
| 13 | 306 | 370 | 398 | 423 | |
| 14 | 259 | 328 | 353 | 375 | |
| 15 | 221 | 293 | 315 | 335 | |
| 16 | 190 | 258 | 283 | 301 | |
| 17 | 164 | 224 | 254 | 273 | |
| 18 | 143 | 196 | 233 | 247 | |
| 19 | 124 | 172 | 215 | 224 | |
| 20 | 109 | 152 | 193 | 208 | |
| 21 | 95 | 135 | 171 | 192 | |
| 22 | 84 | 119 | 153 | 174 | |
| 23 | 73 | 106 | 137 | 156 | |
| 24 | | 95 | 123 | 140 | |
| 25 | | 84 | 110 | 126 | |
| 26 | | 75 | 99 | 113 | |
| 27 | | | 89 | 102 | |
| 28 | | | 80 | 92 | |
| 29 | | | 72 | 83 | |
| 30 | | | | 75 | |
| 31 | | | | 68 | |

| 2" Bonded Structural Topping Dead Load Weight of Slab With Topping = 73 psf | | | | | |
|--|--|-----------------------|-------------------|-------------------|--|
| IBC Fire Ratings | Unrestrained 1 hour | | | | |
| | Restrained 3 hours | | | | |
| Section Properties | | | | | |
| $A = 282 \text{ in}^2$ | $Y_t = 3.81 \text{ in}$ | $b = 17.5 \text{ in}$ | | | |
| $I = 1765 \text{ in}^4$ | $Y_b = 4.19 \text{ in}$ | $wt = 73 \text{ psf}$ | | | |
| ϕM_n ft-k/ft | 16.34 | 21.22 | 25.78 | 30.03 | |
| Series | 1.0F-6606T | 1.0F-6608T | 1.0F-6610T | 1.0F-6612T | |
| Span in Feet | Allowable Superimposed Load In lbs/ft ² | | | | |
| 12 | 456 | | | | |
| 13 | 417 | | | | |
| 14 | 362 | 383 | | | |
| 15 | 308 | 354 | | | |
| 16 | 264 | 328 | | | |
| 17 | 228 | 306 | | | |
| 18 | 197 | 273 | 286 | | |
| 19 | 172 | 239 | 268 | | |
| 20 | | 211 | 252 | | |
| 21 | | 186 | 237 | | |
| 22 | | 164 | 212 | 224 | |
| 23 | | | 185 | 212 | |
| 24 | | | 162 | 188 | |
| 25 | | | 141 | 165 | |
| 26 | | | | 145 | |
| 27 | | | | 127 | |

Concrete Strength: 6,000 psi at 28 days
 Prestress Strands: 3/8", 7/16", 1/2" special, 270 ksi Lo-Lax

 Camber 1"-1 1/2"
 Camber > 1 1/2"

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