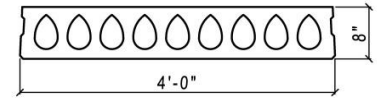


**Ultralight Load Table**  
**8" Thick**  
**2.0" Strand Cover**



| No Structural Topping<br>Dead Load Weight of Slab = 61 psf |  |            |           |           |           |
|--|--|------------|-----------|-----------|-----------|
| IBC Fire Ratings   | Unrestrained 2 hours                               |            |           |           |           |
|  | Restrained 2 hours                                 |            |           |           |           |
| Section Properties   |  |            |           |           |           |
| A=251 in <sup>2</sup>                                      | Yt=3.99 in   | b=15.4 in  |           |           |           |
| I=1817 in <sup>4</sup>                                     | Yb=4.01 in   | wt= 61 psf |           |           |           |
| $\phi M_n$<br>ft-k/ft                                      | 14.16  | 18.63      | 24.11     | 29.18     | 32.68     |
| Series   | 2.0F-8606  | 2.0F-8706  | 2.0F-8708 | 2.0F-8710 | 2.0F-8808 |
| Span in Feet   | Allowable Superimposed Load In lbs/ft <sup>2</sup> |            |           |           |           |
|  | 12   | 446        |           |           |           |
| 13   | 373  | 468        |           |           |           |
| 14   | 315  | 413        | 459       |           |           |
| 15   | 269  | 368        | 408       | 445       | 459       |
| 16   | 231  | 318        | 366       | 397       | 419       |
| 17   | 199  | 277        | 329       | 358       | 376       |
| 18   | 173  | 242        | 296       | 322       | 340       |
| 19   | 150  | 212        | 271       | 293       | 310       |
| 20   | 131  | 187        | 250       | 269       | 285       |
| 21   | 115  | 165        | 228       | 248       | 259       |
| 22   | 100  | 147        | 203       | 227       | 239       |
| 23   |  | 130        | 182       | 212       | 222       |
| 24   |  | 116        | 164       | 194       | 205       |
| 25   |  | 103        | 147       | 183       | 192       |
| 26   |  |            | 133       | 169       | 177       |
| 27   |  |            | 120       | 154       | 168       |
| 28   |  |            | 108       | 140       | 155       |
| 29   |  |            |           | 128       | 147       |
| 30   |  |            |           | 116       | 134       |
| 31   |  |            |           |           | 122       |
| 32   |  |            |           |           | 111       |

| 2" Bonded Structural Topping<br>Dead Load Weight of Slab With Topping = 86 psf |  |             |            |            |            |
|--|--|-------------|------------|------------|------------|
| IBC Fire Ratings   | Unrestrained 3 hours                               |             |            |            |            |
|  | Restrained 4 hours                                 |             |            |            |            |
| Section Properties   |  |             |            |            |            |
| A=336 in <sup>2</sup>  | Yt = 4.63 in                                       | b = 15.4 in |            |            |            |
| I=3425 in <sup>4</sup>   | Yb = 5.27 in                                       | wt = 86 psf |            |            |            |
| $\phi M_n$<br>ft-k/ft  | 18.92  | 24.89       | 32.12      | 38.77      | 43.88      |
| Series   | 2.0F-8606T   | 2.0F-8706T  | 2.0F-8708T | 2.0F-8710T | 2.0F-8808T |
| Span in Feet   | Allowable Superimposed Load In lbs/ft <sup>2</sup> |             |            |            |            |
|  | 13   | 489         |            |            |            |
| 14   | 418  | 450         |            |            |            |
| 15   | 356  | 415         |            |            |            |
| 16   | 305  | 385         |            |            |            |
| 17   | 263  | 359         |            |            |            |
| 18   | 227  | 320         | 335        |            |            |
| 19   | 198  | 280         | 314        |            |            |
| 20   |  | 247         | 295        |            |            |
| 21   |  | 218         | 278        |            |            |
| 22   |  |             | 263        |            |            |
| 23   |  |             | 239        | 248        |            |
| 24   |  |             | 214        | 235        |            |
| 25   |  |             |            | 223        |            |
| 26   |  |             |            | 212        |            |
| 27   |  |             |            |            | 202        |
| 28   |  |             |            |            | 193        |

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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