

CPC LLC 5250 Linwood Rd. Placida, Fl 33946



www.hollowcore.net P (941) 698 4180 F (941) 698 8888

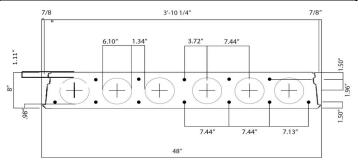


8" x 4'-0" Hollowcore Slab No Topping

| ASTM 416 7 Wire | Strand Area<br>in2 | φM <sub>N</sub> in<br>ft-kips per<br>Unit |     | Simple Span (ft) |     |     |     |     |     |     |     |     |     |     |     |     |     |     | φVc in |    |    |    |    |    |    |    |               |
|-----------------|--------------------|---|-----|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|----|----|----|----|----|----|----|---------------|
| LoLax 270 KSI   |                    |   | 14  | 15               | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30     | 31 | 32 | 33 | 34 | 35 | 36 | 37 | kips per Unit |
| 4 1/2" Diameter | 0.612              | 72.6                                      | 185 | 170              | 225 | 195 | 185 | 175 | 160 | 150 | 130 | 100 | 85  | 55  | 40  |     |     |     |        |    |    |    |    |    |    |    | 14.7          |
| 5 1/2" Diameter | 0.765              | 89.0                                      |     |                  |     | 250 | 230 | 205 | 195 | 175 | 150 | 130 | 120 | 105 | 90  | 80  | 70  | 60  | 50     | 40 |    |    |    |    |    |    | 14.7          |
| 6 1/2" Diameter | 0.918              | 107.9                                     |     |                  |     |     | 265 | 255 | 245 | 235 | 225 | 205 | 175 | 160 | 140 | 130 | 120 | 110 | 95     | 75 | 65 | 55 | 45 |    |    |    | 14.7          |
| 7 1/2" Diameter | 1.071              | 120.0                                     |     |                  |     |     |     | 290 | 280 | 270 | 250 | 225 | 205 | 185 | 170 | 150 | 135 | 120 | 105    | 95 | 85 | 75 | 65 | 55 | 45 | 35 | 14.7          |

CPC load tables are based on the following assumptions:

- 1- Loads are in PSF
- 2- Precast Concrete fc =6000 psi
- 3- Loads are based on slabs being 100% grouted.
- 4- Allowable superimposed service loads include dead load of 20 psf.
- 5- Loads are based on ACI 318-14.
- 6- Camber is inherent to flexural prestressed members. Slabs of unequal spans or a change in span direction will result in differential camber. Call CPC Engineering Department for guidance with the design layout.
- 7- Values in shaded boxes require deflection analysis. Contact CPC Engineering Department.
- 8- Values to the left of the dark stepped lines are shear critical. Contact CPC Engineering Department.



| Area            | 228 in |  |  |  |  |  |  |
|-----------------|--------|--|--|--|--|--|--|
| Thermal R Value | 1.4    |  |  |  |  |  |  |
| STC             | 51     |  |  |  |  |  |  |
| IIC             | 28     |  |  |  |  |  |  |