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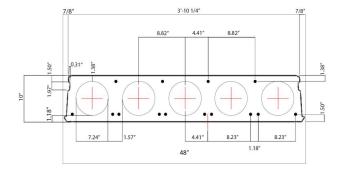


10" x 4'-0" Hollowcore Slab With No Topping

| ASTM 416 7 Wire  | 7 Wire Stand Area in 2 ft-kips per |       |     |     |     |     |     |     |     |     |     |     | φVc in |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |               |
|------------------|------------------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|---------------|
| LoLax 270 KSI    | Stand Area miz                     | Unit  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | 33     | 34  | 35  | 36  | 37  | 38  | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | kips per Unit |
| 6 1/2" Diameter  | 0.919                              | 114.1 | 160 | 145 | 130 | 115 | 105 | 95  | 85  | 75  | 65  | 50  | 45     | 40  |     |     |     |     |    |    |    |    |    |    |    |    |    |    | 18.1          |
| 8 1/2" Diameter  | 1.225                              | 146.3 | 200 | 190 | 180 | 170 | 160 | 150 | 140 | 130 | 120 | 115 | 110    | 105 | 95  | 90  | 85  | 75  | 65 | 55 | 50 |    |    |    |    |    |    |    | 18.1          |
| 10 1/2" Diameter | 1.531                              | 176.8 |     |     |     | 220 | 215 | 210 | 200 | 190 | 180 | 170 | 160    | 145 | 130 | 120 | 110 | 100 | 95 | 90 | 85 | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 18.1          |

CPC load tables are based on the following assumptions:

- 1- Loads are in PSF
- 2- Precast Concrete f'c =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            | 257 in <sup>2</sup> |  |  |  |  |  |  |
|-----------------|---------------------|--|--|--|--|--|--|
| Thermal R Value | 1.7                 |  |  |  |  |  |  |
| STC             | 53                  |  |  |  |  |  |  |
| IIC             | 31                  |  |  |  |  |  |  |