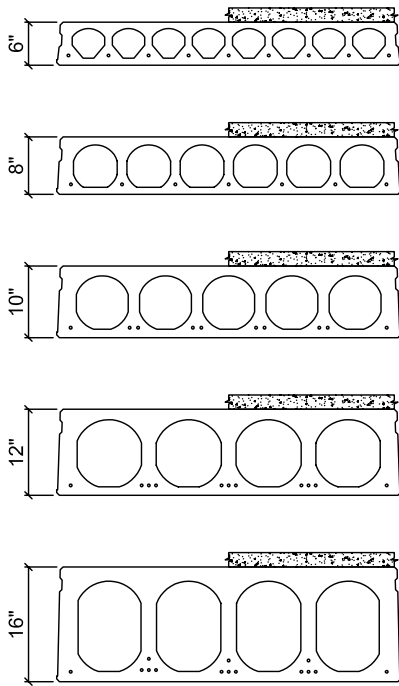


**3.7 Hollow-Core Section Properties (cont.)**

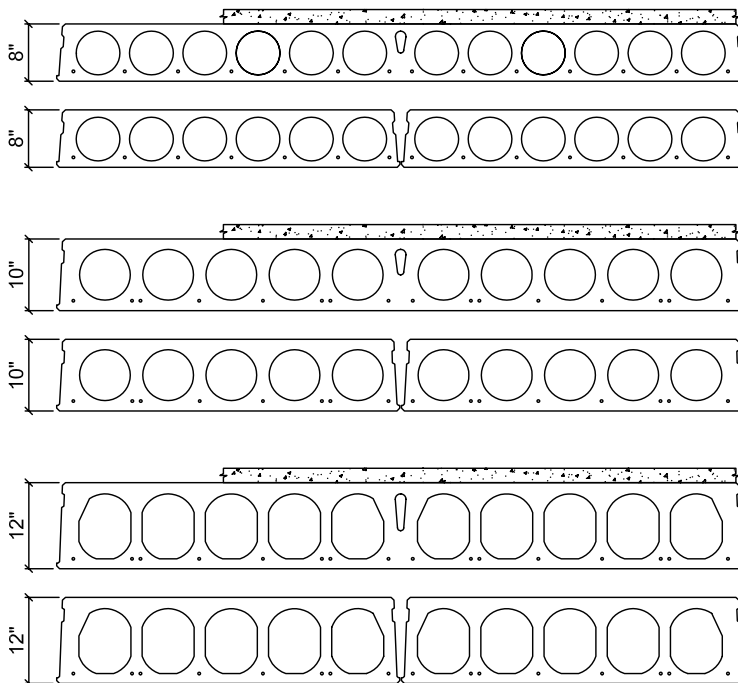
Trade name Elematic®  
 Equipment Manufacturer: Elematic Inc., Waukesha, Wisconsin



| Section<br>depth x width | Untopped              |                       |                       |                          | with 2" topping        |                                    |                          |
|--------------------------|-----------------------|-----------------------|-----------------------|--------------------------|------------------------|------------------------------------|--------------------------|
|                          | A<br>in. <sup>2</sup> | y <sub>b</sub><br>in. | I<br>in. <sup>4</sup> | wt<br>lb/ft <sup>2</sup> | y <sub>cb</sub><br>in. | I <sub>c</sub><br>in. <sup>4</sup> | wt<br>lb/ft <sup>2</sup> |
| 6" x 4'-0"               | 157                   | 3.00                  | 694                   | 41                       | 4.33                   | 1557                               | 66                       |
| 8" x 4'-0"               | 196                   | 3.97                  | 1580                  | 51                       | 5.41                   | 3024                               | 76                       |
| 10" x 4'-0" (5)          | 238                   | 5.00                  | 3042                  | 62                       | 6.49                   | 5190                               | 87                       |
| 10" x 4'-0" (6)          | 249                   | 5.00                  | 3108                  | 65                       | 6.44                   | 5280                               | 90                       |
| 12" x 4'-0" (4)          | 279                   | 6.20                  | 5104                  | 74                       | 7.90                   | 8406                               | 99                       |
| 12" x 4'-0" (5)          | 274                   | 6.00                  | 5121                  | 71                       | 7.56                   | 8134                               | 96                       |
| 16" x 4'-0"              | 346                   | 8.30                  | 11,339                | 91                       | 10.2                   | 16,883                             | 116                      |
| 20" x 4'-0"              | 501                   | 10.3                  | 24,087                | 133                      | 12.0                   | 33,073                             | 158                      |

|              |     |      |      |    |      |      |     |
|--------------|-----|------|------|----|------|------|-----|
| H8" x 4'-0"  | 230 | 4.07 | 1667 | 60 | 5.34 | 3143 | 85  |
| H12" x 4'-0" | 307 | 6.00 | 5246 | 80 | 7.45 | 8393 | 105 |

|             |     |      |        |    |      |        |     |
|-------------|-----|------|--------|----|------|--------|-----|
| 8" x 8'-0"  | 404 | 4.00 | 3219   | 54 | 5.60 | 6475   | 79  |
| 10" x 8'-0" | 549 | 5.00 | 6642   | 73 | 6.50 | 11,827 | 98  |
| 12" x 8'-0" | 620 | 6.10 | 10,588 | 82 | 7.60 | 17,915 | 107 |



Note: All sections are not available from all producers. Check availability with regional manufacturers.