



| SPAN | Arch Thickness | Leg thickness |
|--------|----------------|---------------|
| 12'-0" | 8" | 8" |
| 14'-0" | 8" | 8" |
| 16'-0" | 10" | 10" |
| 18'-0" | 10" | 10" |
| 20'-0" | 10" | 10" |
| 22'-0" | 10" | 10" |
| 24'-0" | 10" | 10" |
| 26'-0" | 10" | 10" |
| 28'-0" | 10" | 1'-0" |
| 32'-0" | 1'-0" | 1'-0" |
| 36'-0" | 1'-0" | 1'-2" |
| 42'-0" | 1'-0" | 1'-2" |
| 48'-0" | 1'-0" | 1'-4" |

WATERWAY AREA CHART

| Rise (ft) | Waterway Area (square feet) | | | | | | | | | | | | | | Weight per Foot (tons) | | | | | | | | | | | | | |
|-----------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------------------------|------|------|------|------|------|------|------|------|------|------|--|--|--|
| | Span (ft) | | | | | | | | | | | | | | Span (ft) | | | | | | | | | | | | | |
| 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 32 | 36 | 42 | 48 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 32 | 36 | 42 | 48 | | | |
| 42 | 50 | 55 | 63 | * | * | * | * | * | * | * | * | * | 1.04 | 1.14 | 1.58 | 1.70 | * | * | * | * | * | * | * | * | * | | | |
| 54 | 64 | 71 | 81 | 85 | 95 | 95 | 105 | * | * | * | * | * | 1.14 | 1.24 | 1.70 | 1.82 | 1.86 | 1.98 | 2.06 | 2.18 | * | * | * | * | * | | | |
| 66 | 78 | 87 | 99 | 105 | 117 | 119 | 131 | 139 | * | * | * | * | 1.24 | 1.34 | 1.83 | 1.95 | 1.98 | 2.11 | 2.18 | 2.31 | 2.91 | * | * | * | * | | | |
| 78 | 92 | 103 | 117 | 125 | 139 | 143 | 157 | 167 | 184 | * | * | * | 1.34 | 1.44 | 1.95 | 2.07 | 2.11 | 2.23 | 2.31 | 2.43 | 3.06 | 3.56 | * | * | * | | | |
| 90 | 106 | 119 | 135 | 145 | 161 | 167 | 183 | 195 | 216 | 232 | * | * | 1.44 | 1.54 | 2.08 | 2.20 | 2.23 | 2.36 | 2.43 | 2.56 | 3.21 | 3.71 | 4.06 | * | * | | | |
| 102 | 120 | 135 | 153 | 165 | 183 | 191 | 209 | 223 | 248 | 268 | 292 | * | 1.54 | 1.64 | 2.20 | 2.32 | 2.36 | 2.48 | 2.56 | 2.68 | 3.36 | 3.86 | 4.23 | 4.68 | 5.27 | | | |
| 114 | 134 | 151 | 171 | 185 | 205 | 215 | 235 | 251 | 280 | 304 | 334 | 387 | 1.64 | 1.74 | 2.32 | 2.44 | 2.48 | 2.61 | 2.69 | 2.80 | 3.51 | 4.01 | 4.41 | 4.85 | 5.48 | | | |
| 126 | 148 | 167 | 189 | 205 | 227 | 239 | 261 | 279 | 312 | 340 | 376 | 435 | 1.74 | 1.84 | 2.45 | 2.57 | 2.61 | 2.73 | 2.80 | 2.93 | 3.66 | 4.16 | 4.58 | 5.03 | 5.68 | | | |
| 138 | 162 | 183 | 207 | 225 | 249 | 263 | 287 | 307 | 344 | 376 | 418 | 483 | * | * | * | * | * | * | * | * | * | * | * | * | * | | | |
| 150 | 176 | 199 | 225 | 245 | 271 | 287 | 313 | 335 | 376 | 412 | 460 | 531 | * | * | * | * | * | * | * | * | * | * | * | * | * | | | |
| 162 | 190 | 215 | 243 | 265 | 293 | 311 | 339 | 363 | 408 | 448 | 502 | 579 | * | * | * | * | * | * | * | * | * | * | * | * | * | | | |

* Consult your local representative for shipping capabilities



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THREE SIDED ARCH BRIDGE SYSTEM

COUNTY:

STATE:

PROJECT NUM:

DATE:

DESIGNED BY: JAP

DRAWN BY: JAP

CHECKED BY: JAP