


QUANTITIES FOR ESTIMATING PURPOSES ONLY

| D ₁ | D ₂ | A | B | C | E | H | L | G | QUANTITIES | |
|----------------|----------------|-----|-----|-----|-------|-------|-------|-------|----------------|---------------|
| | | | | | | | | | CONC. C. Y. | STEEL LBS. |
| 12" | 12" | 9" | 6" | 6" | 1'-9" | 1'-9" | 3'-6" | 1'-6" | 0.72 | 62 |
| 15" | 12" | 9" | 6" | 6" | 1'-9" | 2'-0" | 4'-3" | 2'-0" | 0.95 | 76 |
| 15" | 15" | 9" | 6" | 6" | 1'-9" | 2'-0" | 4'-3" | 2'-0" | 0.94 | 76 |
| 18" | 12" | 9" | 6" | 6" | 1'-9" | 2'-3" | 5'-0" | 2'-3" | 1.17 | 88 |
| 18" | 15" | 9" | 6" | 6" | 1'-9" | 2'-3" | 5'-0" | 2'-3" | 1.15 | 85 |
| 18" | 18" | 9" | 6" | 6" | 1'-9" | 2'-3" | 5'-0" | 2'-3" | 1.11 | 85 |
| 21" | 12" | 9" | 14" | 6" | 2'-5" | 2'-9" | 6'-6" | 3'-0" | 1.88 | 124 |
| 21" | 15" | 9" | 14" | 6" | 2'-5" | 2'-9" | 6'-6" | 3'-0" | 1.87 | 121 |
| 21" | 18" | 9" | 14" | 6" | 2'-5" | 2'-9" | 6'-6" | 3'-0" | 1.86 | 121 |
| 21" | 21" | 9" | 14" | 6" | 2'-5" | 2'-9" | 6'-6" | 3'-0" | 1.80 | 118 |
| 24" | 12" | 9" | 14" | 6" | 2'-5" | 2'-9" | 6'-6" | 3'-0" | 1.86 | 118 |
| 24" | 15" | 9" | 14" | 6" | 2'-5" | 2'-9" | 6'-6" | 3'-0" | 1.85 | 118 |
| 24" | 18" | 9" | 14" | 6" | 2'-5" | 2'-9" | 6'-6" | 3'-0" | 1.84 | 113 |
| 24" | 21" | 9" | 14" | 6" | 2'-5" | 2'-9" | 6'-6" | 3'-0" | 1.82 | 113 |
| 24" | 24" | 9" | 14" | 6" | 2'-5" | 2'-9" | 6'-6" | 3'-0" | 1.80 | 113 |
| 27" | 12" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.66 | 170 |
| 27" | 15" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.65 | 170 |
| 27" | 18" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.64 | 170 |
| 27" | 21" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.62 | 170 |
| 27" | 24" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.60 | 170 |
| 27" | 27" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.57 | 170 |
| 30" | 12" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.64 | 172 |
| 30" | 15" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.63 | 171 |
| 30" | 18" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.62 | 171 |
| 30" | 21" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.60 | 170 |
| 30" | 24" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.58 | 166 |
| 30" | 27" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.55 | 169 |
| 30" | 30" | 9" | 14" | 6" | 2'-5" | 3'-6" | 8'-0" | 3'-9" | 2.53 | 164 |
| 33" | 12" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.20 | 271 |
| 33" | 15" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.18 | 271 |
| 33" | 18" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.16 | 271 |
| 33" | 21" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.14 | 271 |
| 33" | 24" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.11 | 271 |
| 33" | 27" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.08 | 271 |
| 33" | 30" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.04 | 270 |
| 33" | 33" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.00 | 270 |
| 36" | 12" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.15 | 271 |
| 36" | 15" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.14 | 265 |
| 36" | 18" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.12 | 267 |
| 36" | 21" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.09 | 267 |
| 36" | 24" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.07 | 266 |
| 36" | 27" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.04 | 261 |
| 36" | 30" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 5.00 | 261 |
| 36" | 33" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 4.96 | 250 |
| 36" | 36" | 12" | 16" | 10" | 3'-2" | 4'-0" | 9'-6" | 4'-6" | 4.92 | 249 |

| D ₁ | D ₂ | A | B | C | E | H | L | G | QUANTITIES | |
|----------------|----------------|-----|-----|-----|-------|-------|--------|-------|----------------|---------------|
| | | | | | | | | | CONC. C. Y. | STEEL LBS. |
| 42" | 12" | 12" | 16" | 10" | 3'-2" | 4'-6" | 11'-0" | 5'-3" | 6.37 | 328 |
| 42" | 15" | 12" | 16" | 10" | 3'-2" | 4'-6" | 11'-0" | 5'-3" | 6.35 | 328 |
| 42" | 18" | 12" | 16" | 10" | 3'-2" | 4'-6" | 11'-0" | 5'-3" | 6.33 | 327 |
| 42" | 21" | 12" | 16" | 10" | 3'-2" | 4'-6" | 11'-0" | 5'-3" | 6.31 | 321 |
| 42" | 24" | 12" | 16" | 10" | 3'-2" | 4'-6" | 11'-0" | 5'-3" | 6.28 | 317 |
| 42" | 27" | 12" | 16" | 10" | 3'-2" | 4'-6" | 11'-0" | 5'-3" | 6.25 | 320 |
| 42" | 30" | 12" | 16" | 10" | 3'-2" | 4'-6" | 11'-0" | 5'-3" | 6.21 | 315 |
| 42" | 33" | 12" | 16" | 10" | 3'-2" | 4'-6" | 11'-0" | 5'-3" | 6.18 | 313 |
| 42" | 36" | 12" | 16" | 10" | 3'-2" | 4'-6" | 11'-0" | 5'-3" | 6.13 | 308 |
| 42" | 42" | 12" | 16" | 10" | 3'-2" | 4'-6" | 11'-0" | 5'-3" | 6.04 | 307 |
| 48" | 12" | 12" | 16" | 10" | 3'-2" | 5'-0" | 12'-6" | 6'-0" | 7.71 | 387 |
| 48" | 15" | 12" | 16" | 10" | 3'-2" | 5'-0" | 12'-6" | 6'-0" | 7.69 | 381 |
| 48" | 18" | 12" | 16" | 10" | 3'-2" | 5'-0" | 12'-6" | 6'-0" | 7.67 | 382 |
| 48" | 21" | 12" | 16" | 10" | 3'-2" | 5'-0" | 12'-6" | 6'-0" | 7.65 | 381 |
| 48" | 24" | 12" | 16" | 10" | 3'-2" | 5'-0" | 12'-6" | 6'-0" | 7.62 | 376 |
| 48" | 27" | 12" | 16" | 10" | 3'-2" | 5'-0" | 12'-6" | 6'-0" | 7.59 | 375 |
| 48" | 30" | 12" | 16" | 10" | 3'-2" | 5'-0" | 12'-6" | 6'-0" | 7.55 | 374 |
| 48" | 33" | 12" | 16" | 10" | 3'-2" | 5'-0" | 12'-6" | 6'-0" | 7.52 | 370 |
| 48" | 36" | 12" | 16" | 10" | 3'-2" | 5'-0" | 12'-6" | 6'-0" | 7.47 | 362 |
| 48" | 42" | 12" | 16" | 10" | 3'-2" | 5'-0" | 12'-6" | 6'-0" | 7.38 | 362 |
| 48" | 48" | 12" | 16" | 10" | 3'-2" | 5'-0" | 12'-6" | 6'-0" | 7.27 | 352 |
| 54" | 12" | 12" | 16" | 10" | 3'-2" | 5'-6" | 13'-0" | 6'-6" | 8.47 | 392 |
| 54" | 15" | 12" | 16" | 10" | 3'-2" | 5'-6" | 13'-0" | 6'-6" | 8.45 | 392 |
| 54" | 18" | 12" | 16" | 10" | 3'-2" | 5'-6" | 13'-0" | 6'-6" | 8.43 | 391 |
| 54" | 21" | 12" | 16" | 10" | 3'-2" | 5'-6" | 13'-0" | 6'-6" | 8.41 | 392 |
| 54" | 24" | 12" | 16" | 10" | 3'-2" | 5'-6" | 13'-0" | 6'-6" | 8.38 | 392 |
| 54" | 27" | 12" | 16" | 10" | 3'-2" | 5'-6" | 13'-0" | 6'-6" | 8.35 | 405 |
| 54" | 30" | 12" | 16" | 10" | 3'-2" | 5'-6" | 13'-0" | 6'-6" | 8.32 | 405 |
| 54" | 33" | 12" | 16" | 10" | 3'-2" | 5'-6" | 13'-0" | 6'-6" | 8.28 | 405 |
| 54" | 36" | 12" | 16" | 10" | 3'-2" | 5'-6" | 13'-0" | 6'-6" | 8.24 | 405 |
| 54" | 42" | 12" | 16" | 10" | 3'-2" | 5'-6" | 13'-0" | 6'-6" | 8.14 | 404 |
| 54" | 48" | 12" | 16" | 10" | 3'-2" | 5'-6" | 13'-0" | 6'-6" | 8.03 | 414 |
| 54" | 54" | 12" | 16" | 10" | 3'-2" | 5'-6" | 13'-0" | 6'-6" | 7.91 | 412 |
| 60" | 12" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 9.62 | 490 |
| 60" | 15" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 9.61 | 489 |
| 60" | 18" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 9.59 | 481 |
| 60" | 21" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 9.56 | 474 |
| 60" | 24" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 9.54 | 473 |
| 60" | 27" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 9.50 | 472 |
| 60" | 30" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 9.47 | 465 |
| 60" | 33" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 9.43 | 463 |
| 60" | 36" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 9.39 | 456 |
| 60" | 42" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 9.30 | 449 |
| 60" | 48" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 9.19 | 446 |
| 60" | 54" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 9.06 | 438 |
| 60" | 60" | 12" | 16" | 10" | 3'-2" | 6'-0" | 14'-0" | 7'-0" | 8.92 | 430 |

NOTE FOR STANDARD H ENDWALL DETAILS SEE STANDARD MD 362.01

| | | |
|---|---|---|
| SPECIFICATION | CATEGORY CODE ITEMS | |
| APPROVED | <i>Kirk G. McCall</i> DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT | |
|  | APPROVAL • SHA REVISIONS | APPROVAL • FEDERAL HIGHWAY ADMINISTRATION |
| | APPROVAL 8-28-86 | APPROVAL 12-12-86 |
| | REVISED 10-1-01 | REVISED |
| | REVISED | REVISED |

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

STANDARD TYPE H ENDWALL
DIMENSIONS 8 QUANTITIES

STANDARD NO. MD 362.01-01