

## STEEL

## SIDE TAPERED INLET

## CONCRETE

| GENERAL DIMENSIONS |    |       |                         |      |        |      |                |                |  | 2:1 SLOPE DIMENSIONS |                |                |                |         | 4:1 SLOPE DIMENSIONS        |                  |                |                |                | 4:1 SLOPE EST. QUAN. |         |                             |                  |
|--------------------|----|-------|-------------------------|------|--------|------|----------------|----------------|--|----------------------|----------------|----------------|----------------|---------|-----------------------------|------------------|----------------|----------------|----------------|----------------------|---------|-----------------------------|------------------|
| D                  | T  | SKREW | Ø                       | H    | J      | G    | E <sub>F</sub> | E <sub>B</sub> |  | K <sub>R</sub>       | W <sub>R</sub> | K <sub>L</sub> | W <sub>L</sub> | Y       | CLASS "A" REINF. CONC. C.Y. | REINF. STEEL-LBS | K <sub>R</sub> | W <sub>R</sub> | K <sub>L</sub> | W <sub>L</sub>       | Y       | CLASS "A" REINF. CONC. C.Y. | REINF. STEEL-LBS |
| 15"                | 6" | 45°   | 30"                     | 1'0" | 1'0"   | 2'9" | 2'4½"          | 3'5¾"          |  | 3'0"                 | 3'7½"          | 1'6½"          | 1'11½"         | 4'7¾"   | 1.10                        | 170              | 6'0"           | 6'7½"          | 3'¾"           | 3'5½"                | 6'0"    | 1.73                        | 221              |
|                    |    | 60°   | 45°                     | 1'0" | 1'0"   | 2'9" | 2'4½"          | 3'5¾"          |  | 2'2"                 | 2'9¾"          | 1'6½"          | 1'11½"         | 3'10½"  | .98                         | 163              | 4'3"           | 4'10½"         | 3'¾"           | 3'5¾"                | 5'3½"   | 1.48                        | 198              |
|                    |    | 75°   | 45°                     | 1'0" | 1'0"   | 2'9" | 2'4½"          | 3'3¾"          |  | 2'2"                 | 2'7¾"          | 1'7½"          | 2'½"           | 4'5¼"   | .97                         | 159              | 4'3"           | 4'8¾"          | 3'2¾"          | 3'7¾"                | 6'5¼"   | 1.49                        | 198              |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 1'0" | 1'0"   | 2'9" | 2'4½"          | 3'2½"          |  | 1'10½"               | 2'3½"          | 1'10½"         | 2'3½"          | 4'7¾"   | 1.01                        | 158              | 3'9"           | 4'2"           | 3'9"           | 4'2"                 | 6'10½"  | 1.52                        | 202              |
| 18"                | 6" | 45°   | 30"                     | 1'0" | 1'0"   | 2'9" | 2'9"           | 3'9¾"          |  | 4'0"                 | 4'7½"          | 2'¼"           | 2'5¼"          | 5'0"    | 1.38                        | 199              | 8'0"           | 8'7½"          | 4'½"           | 4'5½"                | 7'2¾"   | 2.25                        | 263              |
|                    |    | 60°   | 45°                     | 1'0" | 1'0"   | 2'9" | 2'9"           | 3'9¾"          |  | 2'10"                | 3'5½"          | 2'½"           | 2'5½"          | 4'8¼"   | 1.21                        | 176              | 5'7½"          | 6'3½"          | 4'¾"           | 4'5½"                | 6'7½"   | 1.91                        | 236              |
|                    |    | 75°   | 45°                     | 1'0" | 1'0"   | 2'9" | 2'9"           | 3'7¾"          |  | 2'10"                | 3'3¾"          | 2'17½"         | 2'7"           | 5'5½"   | 1.21                        | 175              | 5'7½"          | 6'1½"          | 4'3¾"          | 4'8¾"                | 8'2"    | 1.93                        | 231              |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 1'0" | 1'0"   | 2'9" | 2'9"           | 3'7½"          |  | 2'6"                 | 2'11"          | 2'6"           | 2'11"          | 5'9"    | 1.20                        | 170              | 5'0"           | 5'5"           | 5'0"           | 5'5"                 | 8'9"    | 1.92                        | 230              |
| 24"                | 6" | 45°   | 30"                     | 1'6" | 1'0"   | 2'9" | 3'6"           | 4'6¾"          |  | 4'0"                 | 4'7½"          | 2'¼"           | 2'5¼"          | 5'9"    | 1.59                        | 218              | 8'0"           | 8'7½"          | 4'½"           | 4'5½"                | 7'11¾"  | 2.54                        | 218              |
|                    |    | 60°   | 45°                     | 1'6" | 1'0"   | 2'9" | 3'6"           | 4'6¾"          |  | 2'10"                | 3'5½"          | 2'½"           | 2'5½"          | 5'5¼"   | 1.40                        | 199              | 5'7½"          | 6'3½"          | 4'¾"           | 4'5½"                | 7'4½"   | 2.18                        | 199              |
|                    |    | 75°   | 45°                     | 1'6" | 1'0"   | 2'9" | 3'6"           | 4'4¾"          |  | 2'10"                | 3'3¾"          | 2'17½"         | 2'7"           | 6'2½"   | 1.41                        | 200              | 5'7½"          | 6'1½"          | 4'3¾"          | 4'8¾"                | 8'11"   | 2.19                        | 200              |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 1'6" | 1'0"   | 2'9" | 3'6"           | 4'4¾"          |  | 2'6"                 | 2'11"          | 2'6"           | 2'11"          | 6'6"    | 1.38                        | 187              | 5'0"           | 5'5"           | 5'0"           | 5'5"                 | 9'6"    | 2.17                        | 187              |
| 30"                | 6" | 45°   | 30"                     | 1'6" | 1'0"   | 2'9" | 4'3"           | 5'3¾"          |  | 6'0"                 | 6'7½"          | 3'¾"           | 3'5½"          | 7'7½"   | 2.25                        | 280              | 12'0"          | 12'7½"         | 6'¾"           | 6'5½"                | 10'11½" | 3.74                        | 414              |
|                    |    | 60°   | 45°                     | 1'6" | 1'0"   | 2'9" | 4'3"           | 5'3¾"          |  | 4'2¾"                | 4'10½"         | 3'¾"           | 3'5½"          | 7'1¾"   | 1.96                        | 261              | 8'5½"          | 9'1½"          | 6'½"           | 6'5½"                | 10'7½"  | 3.16                        | 359              |
|                    |    | 75°   | 45°                     | 1'6" | 1'0"   | 2'9" | 4'3"           | 5'1¾"          |  | 4'2¾"                | 4'8½"          | 3'27½"         | 3'77½"         | 8'3¾"   | 1.97                        | 254              | 8'5½"          | 8'11½"         | 6'5½"          | 6'10½"               | 12'4½"  | 3.16                        | 358              |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 1'6" | 1'0"   | 2'9" | 4'3"           | 5'1½"          |  | 3'9"                 | 4'2"           | 3'9"           | 4'2"           | 8'9"    | 1.96                        | 255              | 7'6"           | 7'11"          | 7'6"           | 7'11"                | 13'3"   | 3.19                        | 352              |
| 36"                | 6" | 45°   | 30"                     | 2'0" | 1'0"   | 2'9" | 5'0"           | 6'0¾"          |  | 6'0"                 | 6'7½"          | 3'¾"           | 3'5½"          | 8'4½"   | 2.51                        | 302              | 12'0"          | 12'7½"         | 6'¾"           | 6'5½"                | 11'8½"  | 4.12                        | 444              |
|                    |    | 60°   | 45°                     | 2'0" | 1'0"   | 2'9" | 5'0"           | 6'0¾"          |  | 4'3"                 | 4'10½"         | 3'¾"           | 3'5¼"          | 7'10½"  | 2.19                        | 282              | 8'5½"          | 9'1½"          | 6'¾"           | 6'5½"                | 10'9½"  | 3.49                        | 390              |
|                    |    | 75°   | 45°                     | 2'0" | 1'0"   | 2'9" | 5'0"           | 5'10¾"         |  | 4'3"                 | 4'8¾"          | 3'27½"         | 3'77½"         | 9'7½"   | 2.27                        | 279              | 8'5½"          | 8'11½"         | 6'5½"          | 6'10½"               | 13'1½"  | 3.59                        | 391              |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 2'0" | 1'0"   | 2'9" | 5'0"           | 5'10"          |  | 3'9"                 | 4'2"           | 3'9"           | 4'2"           | 9'6"    | 2.21                        | 280              | 7'6"           | 7'11"          | 7'6"           | 7'11"                | 14'0"   | 3.54                        | 401              |
| 42"                | 6" | 45°   | 30"                     | 2'0" | 1'1½"  | 3'0" | 5'9"           | 6'9¾"          |  | 8'0"                 | 8'7½"          | 4'½"           | 4'5½"          | 10'27½" | 3.44                        | 366              | 16'0"          | 16'7½"         | 8'1"           | 8'6"                 | 14'8½"  | 5.78                        | 566              |
|                    |    | 60°   | 45°                     | 2'0" | 1'1½"  | 3'0" | 5'9"           | 6'9¾"          |  | 5'7½"                | 6'5½"          | 4'¼"           | 4'5¼"          | 9'7½"   | 2.98                        | 336              | 11'37½"        | 11'11½"        | 8'¾"           | 8'5¾"                | 13'6¼"  | 4.87                        | 490              |
|                    |    | 75°   | 45°                     | 2'0" | 1'1½"  | 3'0" | 5'9"           | 6'7¾"          |  | 5'7½"                | 6'1½"          | 4'37½"         | 4'87½"         | 11'2"   | 3.12                        | 336              | 11'37½"        | 11'9½"         | 8'7½"          | 9'½"                 | 16'7"   | 4.95                        | 492              |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 2'0" | 1'1½"  | 3'0" | 5'9"           | 6'7"           |  | 5'0"                 | 5'5"           | 5'0"           | 5'5"           | 11'9"   | 3.00                        | 335              | 10'0"          | 10'5"          | 10'0"          | 10'5"                | 17'9"   | 4.94                        | 499              |
| 48"                | 6" | 45°   | 30"                     | 2'0" | 1'1½"  | 3'0" | 6'6"           | 7'6¾"          |  | 10'0"                | 10'7½"         | 5'¾"           | 5'5½"          | 12'1½"  | 4.27                        | 445              | 20'0"          | 20'7½"         | 10'1¾"         | 10'6¾"               | 17'8½"  | 7.30                        | 697              |
|                    |    | 60°   | 45°                     | 2'0" | 1'1½"  | 3'0" | 6'6"           | 7'6¾"          |  | 7'1"                 | 7'8½"          | 5'¾"           | 5'5½"          | 11'4¾"  | 3.69                        | 401              | 14'1¾"         | 14'9½"         | 10'1"          | 10'6"                | 16'2½"  | 6.13                        | 601              |
|                    |    | 75°   | 45°                     | 2'0" | 1'1½"  | 3'0" | 6'6"           | 7'4¾"          |  | 7'1"                 | 7'6¾"          | 5'4¾"          | 5'10½"         | 13'3¾"  | 3.66                        | 401              | 14'1¾"         | 14'7½"         | 10'9¾"         | 11'2¾"               | 20'5½"  | 6.23                        | 607              |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 2'0" | 1'1½"  | 3'0" | 6'6"           | 7'4"           |  | 6'3"                 | 6'8"           | 6'3"           | 6'8"           | 14'0"   | 3.71                        | 399              | 12'6"          | 12'11"         | 12'6"          | 12'11"               | 21'6"   | 6.23                        | 605              |
| 54"                | 6" | 45°   | 30"                     | 2'0" | 1'1½"  | 3'0" | 7'3"           | 8'3¾"          |  | 12'0"                | 12'7½"         | 6'1"           | 6'6"           | 14'0"   | 5.16                        | 524              | 24'0"          | 24'7½"         | 12'1½"         | 12'6½"               | 20'8¾"  | 8.92                        | 837              |
|                    |    | 60°   | 45°                     | 2'0" | 1'1½"  | 3'0" | 7'3"           | 8'3¾"          |  | 8'5½"                | 9'1½"          | 6'¾"           | 6'5½"          | 13'7½"  | 4.42                        | 464              | 16'11¾"        | 17'7½"         | 12'1½"         | 12'6½"               | 18'10¾" | 7.47                        | 715              |
|                    |    | 75°   | 45°                     | 2'0" | 1'1½"  | 3'0" | 7'3"           | 8'1¾"          |  | 8'5½"                | 8'11½"         | 6'5¾"          | 6'10¾"         | 15'4½"  | 4.48                        | 459              | 16'11¾"        | 17'5½"         | 12'11½"        | 13'4¾"               | 23'3"   | 7.59                        | 727              |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 2'0" | 1'1½"  | 3'0" | 7'3"           | 8'1"           |  | 7'6"                 | 7'11"          | 7'6"           | 7'11"          | 16'3"   | 4.47                        | 461              | 15'0"          | 15'5"          | 15'0"          | 15'5"                | 25'3"   | 7.59                        | 727              |
| 60"                | 6" | 45°   | 30"                     | 2'0" | 1'3"   | 3'3" | 8'0"           | 9'¾"           |  | 14'0"                | 14'7½"         | 7'7½"          | 7'5½"          | 15'10½" | 6.36                        | 601              | 28'0"          | 28'7½"         | 14'1½"         | 14'6¾"               | 23'8¾"  | 11.09                       | 981              |
|                    |    | 60°   | 45°                     | 2'0" | 1'3"   | 3'3" | 8'0"           | 9'¾"           |  | 9'10½"               | 10'6½"         | 7'½"           | 7'5½"          | 14'9½"  | 5.44                        | 532              | 19'9¾"         | 20'5¾"         | 14'1¾"         | 14'6¾"               | 21'7½"  | 9.26                        | 836              |
|                    |    | 75°   | 45°                     | 2'0" | 1'3"   | 3'3" | 8'0"           | 8'10¾"         |  | 9'10½"               | 10'4½"         | 7'6¾"          | 7'11¾"         | 17'5½"  | 5.52                        | 525              | 19'9¾"         | 20'3½"         | 15'1½"         | 15'6½"               | 26'11½" | 9.43                        | 849              |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 2'0" | 1'3"   | 3'3" | 8'0"           | 8'10½"         |  | 8'9"                 | 9'2"           | 8'9"           | 9'2"           | 18'6"   | 5.51                        | 536              | 17'6"          | 17'11"         | 17'6"          | 17'11"               | 29'0"   | 9.43                        | 842              |
| 66"                | 6" | 45°   | 30"                     | 2'0" | 1'4½"  | 3'6" | 8'9"           | 9'9¾"          |  | 16'0"                | 16'7½"         | 8'1"           | 8'6"           | 17'8½"  | 7.69                        | 741              | 32'0"          | 32'7½"         | 16'1½"         | 16'7"                | 26'8¾"  | 13.48                       | 1,238            |
|                    |    | 60°   | 45°                     | 2'0" | 1'4½"  | 3'6" | 8'9"           | 9'9¾"          |  | 11'37½"              | 11'11½"        | 8'½"           | 8'5½"          | 16'6"   | 6.55                        | 641              | 22'7½"         | 23'3½"         | 16'1½"         | 16'6½"               | 24'3¾"  | 11.22                       | 1,042            |
|                    |    | 75°   | 45°                     | 2'0" | 1'4½"  | 3'6" | 8'9"           | 9'7¾"          |  | 11'37½"              | 11'9½"         | 8'7½"          | 9'¾"           | 19'7½"  | 6.65                        | 651              | 22'7½"         | 23'1½"         | 17'27½"        | 17'7½"               | 30'4½"  | 11.45                       | 1,061            |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 2'0" | 1'4½"  | 3'6" | 8'9"           | 9'7½"          |  | 10'0"                | 10'5"          | 10'0"          | 10'5"          | 20'6"   | 6.64                        | 662              | 20'0"          | 20'5"          | 20'0"          | 20'5"                | 32'9"   | 11.46                       | 1,061            |
| 72"                | 6" | 45°   | 30"                     | 2'0" | 1'9"   | 4'3" | 9'6"           | 10'6¾"         |  | 18'0"                | 18'7½"         | 9'1½"          | 9'6½"          | 19'7½"  | 9.82                        | 903              | 36'0"          | 36'7½"         | 18'2"          | 18'7½"               | 29'8½"  | 17.28                       | 1,496            |
|                    |    | 60°   | 45°                     | 2'0" | 1'9"   | 4'3" | 9'6"           | 10'6¾"         |  | 12'87½"              | 13'4½"         | 9'¾"           | 9'5½"          | 18'2¾"  | 8.36                        | 789              | 25'5½"         | 26'1¾"         | 18'1½"         | 18'6¾"               | 26'1½"  | 14.37                       | 1,266            |
|                    |    | 75°   | 45°                     | 2'0" | 1'9"   | 4'3" | 9'6"           | 10'4¾"         |  | 12'87½"              | 13'2¾"         | 9'8½"          | 10'1¾"         | 21'8½"  | 8.49                        | 798              | 25'5½"         | 25'11¾"        | 19'4¾"         | 19'97½"              | 33'10½" | 14.67                       | 1,258            |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 2'0" | 1'9"   | 4'3" | 9'6"           | 10'4¾"         |  | 11'3"                | 11'8"          | 11'3"          | 11'8"          | 23'0"   | 8.49                        | 798              | 22'6"          | 22'11"         | 22'6"          | 22'11"               | 36'6"   | 14.68                       | 1,289            |
| 78"                | 6" | 45°   | 30"                     | 2'0" | 1'10½" | 4'6" | 10'3"          | 11'3¾"         |  | 20'0"                | 20'7½"         | 10'1½"         | 10'6½"         | 21'6"   | 11.45                       | 1,007            | 40'0"          | 40'7½"         | 20'2¾"         | 20'7½"               | 32'8½"  | 20.23                       | 1,688            |
|                    |    | 60°   | 45°                     | 2'0" | 1'10½" | 4'6" | 10'3"          | 11'3¾"         |  | 14'1¾"               | 14'9½"         | 10'½"          | 10'5½"         | 19'11¾" | 9.73                        | 872              | 28'3½"         | 28'11¾"        | 20'1¾"         | 20'6¾"               | 29'77½" | 16.80                       | 1,425            |
|                    |    | 75°   | 45°                     | 2'0" | 1'10½" | 4'6" | 10'3"          | 11'1¾"         |  | 14'1¾"               | 14'77½"        | 10'9½"         | 11'27½"        | 23'9¾"  | 9.89                        | 890              | 28'3½"         | 28'9¾"         | 21'6½"         | 21'11½"              | 37'4"   | 17.15                       | 1,449            |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 2'0" | 1'10½" | 4'6" | 10'3"          | 11'1½"         |  | 12'6"                | 12'11"         | 12'6"          | 12'11"         | 25'3"   | 9.88                        | 880              | 25'0"          | 25'5"          | 25'0"          | 25'5"                | 40'3"   | 17.17                       | 1,458            |

| GENERAL DIMENSIONS |    |       |                         |      |      |      |                |                |  | 2:1 SLOPE DIMENSIONS |                |                |                |       | 2:1 SLOPE EST. QUAN.        |                  | 4:1 SLOPE DIMENSIONS |                |                |                |        | 4:1 SLOPE EST. QUAN.        |                  |
|--------------------|----|-------|-------------------------|------|------|------|----------------|----------------|--|----------------------|----------------|----------------|----------------|-------|-----------------------------|------------------|----------------------|----------------|----------------|----------------|--------|-----------------------------|------------------|
| D                  | T  | SKREW | Ø                       | H    | J    | G    | E <sub>F</sub> | E <sub>B</sub> |  | K <sub>R</sub>       | W <sub>R</sub> | K <sub>L</sub> | W <sub>L</sub> | Y     | CLASS "A" REINF. CONC. C.Y. | REINF. STEEL-LBS | K <sub>R</sub>       | W <sub>R</sub> | K <sub>L</sub> | W <sub>L</sub> | Y      | CLASS "A" REINF. CONC. C.Y. | REINF. STEEL-LBS |
| 15"                | 6" | 45°   | 30"                     | 1'0" | 1'0" | 2'9" | 2'4½"          | 3'5¾"          |  | 3'0"                 | 3'7½"          | 1'6½"          | 1'11½"         | 4'7"  | 1.08                        | 170              | 6'0"                 | 6'7½"          | 3'¾"           | 3'5½"          | 6'0"   | 1.68                        | 221              |
|                    |    | 60°   | 45°                     | 1'0" | 1'0" | 2'9" | 2'4½"          | 3'5¾"          |  | 2'2"                 | 2'9¾"          | 1'6½"          | 1'11½"         | 3'10" | .93                         | 163              | 4'3"                 | 4'10½"         | 3'¾"           | 3'5¾"          | 5'3¾"  | 1.43                        | 198              |
|                    |    | 75°   | 45°                     | 1'0" | 1'0" | 2'9" | 2'4½"          | 3'3¾"          |  | 2'2"                 | 2'7¾"          | 1'7½"          | 2'½"           | 4'5¼" | .92                         | 159              | 4'3"                 | 4'8¾"          | 3'2¾"          | 3'7¾"          | 6'5¼"  | 1.44                        | 198              |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 1'0" | 1'0" | 2'9" | 2'4½"          | 3'2½"          |  | 1'10½"               | 2'3½"          | 1'10½"         | 2'3½"          | 4'7¾" | .91                         | 158              | 3'9"                 | 4'2"           | 3'9"           | 4'2"           | 6'10½" | 1.43                        | 202              |
| 18"                | 6" | 45°   | 30"                     | 1'0" | 1'0" | 2'9" | 2'9"           | 3'9¾"          |  | 4'0"                 | 4'7½"          | 2'¼"           | 2'5¼"          | 5'0"  | 1.33                        | 199              | 8'0"                 | 8'7½"          | 4'½"           | 4'5½"          | 7'27½" | 2.19                        | 263              |
|                    |    | 60°   | 45°                     | 1'0" | 1'0" | 2'9" | 2'9"           | 3'9¾"          |  | 2'10"                | 3'5½"          | 2'½"           | 2'5½"          | 4'8¼" | 1.16                        | 176              | 5'7½"                | 6'3½"          | 4'¾"           | 4'5½"          | 6'7½"  | 1.86                        | 236              |
|                    |    | 75°   | 45°                     | 1'0" | 1'0" | 2'9" | 2'9"           | 3'7¾"          |  | 2'10"                | 3'3¾"          | 2'17½"         | 2'7"           | 5'5½" | 1.16                        | 175              | 5'7½"                | 6'1½"          | 4'3¾"          | 4'8¾"          | 8'2"   | 1.87                        | 231              |
|                    |    | 90°   | $\tan^{-1} \frac{4}{3}$ | 1'0" | 1'0" | 2'9" | 2'9"           | 3'7½"          |  | 2'6"                 | 2'11"          | 2'6"           |                |       |                             |                  |                      |                |                |                |        |                             |                  |