

Visible Glass

| Egress Requirements | Min. Width | Min. Height | Min. Sq.Ft. |
|---------------------|------------|-------------|-------------|
| United States       | 20"        | 24"         | 5.70        |
| Canada              | 15"        | 15"         | 3.77        |

| Size                          | Rough Opening |        | Net Size |        | Clear Opening |        | Clear Opening<br>Sq. Ft. | Egress Compliance |        | Glass Size |        | Total Visible<br>Glass Sq. Ft. |
|-------------------------------|---------------|--------|----------|--------|---------------|--------|--------------------------|-------------------|--------|------------|--------|--------------------------------|
|                               | Width         | Height | Width    | Height | Width         | Height |                          | U.S.              | Canada | Width      | Height |                                |
| 1 <sup>0</sup> 1 <sup>0</sup> | 12            | 12     | 11 1/2   | 11 1/2 | -             | -      | -                        | -                 | -      | 6 5/8      | 6 5/8  | 0.22                           |
| 1 <sup>0</sup> 2 <sup>0</sup> | 12            | 24     | 11 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 6 5/8      | 18 5/8 | 0.69                           |
| 1 <sup>0</sup> 2 <sup>6</sup> | 12            | 30     | 11 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 6 5/8      | 24 5/8 | 0.92                           |
| 1 <sup>0</sup> 3 <sup>0</sup> | 12            | 36     | 11 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 6 5/8      | 30 5/8 | 1.16                           |
| 1 <sup>0</sup> 3 <sup>6</sup> | 12            | 42     | 11 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 6 5/8      | 36 5/8 | 1.39                           |
| 1 <sup>0</sup> 4 <sup>0</sup> | 12            | 48     | 11 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 6 5/8      | 42 5/8 | 1.63                           |
| 1 <sup>0</sup> 4 <sup>6</sup> | 12            | 54     | 11 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 6 5/8      | 48 5/8 | 1.86                           |
| 1 <sup>0</sup> 5 <sup>0</sup> | 12            | 60     | 11 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 6 5/8      | 54 5/8 | 2.09                           |
| 1 <sup>0</sup> 5 <sup>6</sup> | 12            | 66     | 11 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 6 5/8      | 60 5/8 | 2.33                           |
| 1 <sup>0</sup> 6 <sup>0</sup> | 12            | 72     | 11 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 6 5/8      | 66 5/8 | 2.56                           |
| 1 <sup>6</sup> 1 <sup>6</sup> | 18            | 18     | 17 1/2   | 17 1/2 | -             | -      | -                        | -                 | -      | 12 5/8     | 12 5/8 | 0.94                           |
| 1 <sup>6</sup> 2 <sup>0</sup> | 18            | 24     | 17 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 12 5/8     | 18 5/8 | 1.42                           |
| 1 <sup>6</sup> 2 <sup>6</sup> | 18            | 30     | 17 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 12 5/8     | 24 5/8 | 1.91                           |
| 1 <sup>6</sup> 3 <sup>0</sup> | 18            | 36     | 17 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 12 5/8     | 30 5/8 | 2.39                           |
| 1 <sup>6</sup> 3 <sup>6</sup> | 18            | 42     | 17 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 12 5/8     | 36 5/8 | 2.88                           |
| 1 <sup>6</sup> 4 <sup>0</sup> | 18            | 48     | 17 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 12 5/8     | 42 5/8 | 3.36                           |
| 1 <sup>6</sup> 4 <sup>6</sup> | 18            | 54     | 17 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 12 5/8     | 48 5/8 | 3.84                           |
| 1 <sup>6</sup> 5 <sup>0</sup> | 18            | 60     | 17 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 12 5/8     | 54 5/8 | 4.33                           |
| 1 <sup>6</sup> 5 <sup>6</sup> | 18            | 66     | 17 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 12 5/8     | 60 5/8 | 4.81                           |
| 1 <sup>6</sup> 6 <sup>0</sup> | 18            | 72     | 17 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 12 5/8     | 66 5/8 | 5.30                           |
| 2 <sup>0</sup> 2 <sup>0</sup> | 24            | 24     | 23 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 18 5/8     | 18 5/8 | 2.16                           |
| 2 <sup>0</sup> 2 <sup>6</sup> | 24            | 30     | 23 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 18 5/8     | 24 5/8 | 2.89                           |
| 2 <sup>0</sup> 3 <sup>0</sup> | 24            | 36     | 23 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 18 5/8     | 30 5/8 | 3.63                           |
| 2 <sup>0</sup> 3 <sup>6</sup> | 24            | 42     | 23 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 18 5/8     | 36 5/8 | 4.36                           |
| 2 <sup>0</sup> 4 <sup>0</sup> | 24            | 48     | 23 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 18 5/8     | 42 5/8 | 5.09                           |
| 2 <sup>0</sup> 4 <sup>6</sup> | 24            | 54     | 23 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 18 5/8     | 48 5/8 | 5.83                           |
| 2 <sup>0</sup> 5 <sup>0</sup> | 24            | 60     | 23 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 18 5/8     | 54 5/8 | 6.56                           |
| 2 <sup>0</sup> 5 <sup>6</sup> | 24            | 66     | 23 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 18 5/8     | 60 5/8 | 7.30                           |
| 2 <sup>0</sup> 6 <sup>0</sup> | 24            | 72     | 23 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 18 5/8     | 66 5/8 | 8.03                           |
| 2 <sup>6</sup> 2 <sup>0</sup> | 30            | 24     | 29 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 24 5/8     | 18 5/8 | 2.89                           |
| 2 <sup>6</sup> 2 <sup>6</sup> | 30            | 30     | 29 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 24 5/8     | 24 5/8 | 3.88                           |
| 2 <sup>6</sup> 3 <sup>0</sup> | 30            | 36     | 29 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 24 5/8     | 30 5/8 | 4.86                           |
| 2 <sup>6</sup> 4 <sup>0</sup> | 30            | 48     | 29 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 24 5/8     | 42 5/8 | 6.83                           |
| 2 <sup>6</sup> 4 <sup>6</sup> | 30            | 54     | 29 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 24 5/8     | 48 5/8 | 7.81                           |
| 2 <sup>6</sup> 5 <sup>0</sup> | 30            | 60     | 29 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 24 5/8     | 54 5/8 | 8.80                           |
| 2 <sup>6</sup> 5 <sup>6</sup> | 30            | 66     | 29 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 24 5/8     | 60 5/8 | 9.78                           |
| 2 <sup>6</sup> 6 <sup>0</sup> | 30            | 72     | 29 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 24 5/8     | 66 5/8 | 10.77                          |
| 3 <sup>0</sup> 2 <sup>0</sup> | 36            | 24     | 35 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 30 5/8     | 18 5/8 | 3.63                           |
| 3 <sup>0</sup> 2 <sup>6</sup> | 36            | 30     | 35 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 30 5/8     | 24 5/8 | 4.86                           |
| 3 <sup>0</sup> 3 <sup>0</sup> | 36            | 36     | 35 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 30 5/8     | 30 5/8 | 6.09                           |
| 3 <sup>0</sup> 3 <sup>6</sup> | 36            | 42     | 35 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 30 5/8     | 36 5/8 | 7.33                           |
| 3 <sup>0</sup> 4 <sup>0</sup> | 36            | 48     | 35 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 30 5/8     | 42 5/8 | 8.56                           |
| 3 <sup>0</sup> 4 <sup>6</sup> | 36            | 54     | 35 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 30 5/8     | 48 5/8 | 9.80                           |
| 3 <sup>0</sup> 5 <sup>0</sup> | 36            | 60     | 35 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 30 5/8     | 54 5/8 | 11.03                          |
| 3 <sup>0</sup> 5 <sup>6</sup> | 36            | 66     | 35 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 30 5/8     | 60 5/8 | 12.27                          |
| 3 <sup>0</sup> 6 <sup>0</sup> | 36            | 72     | 35 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 30 5/8     | 66 5/8 | 13.50                          |

Visible Glass

Rev: 9/28/15

| Egress Requirements | Min. Width | Min. Height | Min. Sq.Ft. |
|---------------------|------------|-------------|-------------|
| United States       | 20"        | 24"         | 5.70        |
| Canada              | 15"        | 15"         | 3.77        |

| Size                           | Rough Opening |        | Net Size |        | Clear Opening |        | Clear Opening<br>Sq. Ft. | Egress Compliance |        | Glass Size |        | Total Visible<br>Glass Sq. Ft. |
|--------------------------------|---------------|--------|----------|--------|---------------|--------|--------------------------|-------------------|--------|------------|--------|--------------------------------|
|                                | Width         | Height | Width    | Height | Width         | Height |                          | U.S.              | Canada | Width      | Height |                                |
| 4 <sup>0</sup> 2 <sup>0</sup>  | 48            | 24     | 47 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 42 5/8     | 18 5/8 | 5.09                           |
| 4 <sup>0</sup> 2 <sup>6</sup>  | 48            | 30     | 47 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 42 5/8     | 24 5/8 | 6.83                           |
| 4 <sup>0</sup> 3 <sup>0</sup>  | 48            | 36     | 47 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 42 5/8     | 30 5/8 | 8.56                           |
| 4 <sup>0</sup> 3 <sup>6</sup>  | 48            | 42     | 47 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 42 5/8     | 36 5/8 | 10.30                          |
| 4 <sup>0</sup> 4 <sup>0</sup>  | 48            | 48     | 47 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 42 5/8     | 42 5/8 | 12.03                          |
| 4 <sup>0</sup> 4 <sup>6</sup>  | 48            | 54     | 47 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 42 5/8     | 48 5/8 | 13.77                          |
| 4 <sup>0</sup> 5 <sup>0</sup>  | 48            | 60     | 47 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 42 5/8     | 54 5/8 | 15.50                          |
| 4 <sup>0</sup> 5 <sup>6</sup>  | 48            | 66     | 47 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 42 5/8     | 60 5/8 | 17.24                          |
| 4 <sup>0</sup> 6 <sup>0</sup>  | 48            | 72     | 47 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 42 5/8     | 66 5/8 | 18.97                          |
| 5 <sup>0</sup> 2 <sup>0</sup>  | 60            | 24     | 59 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 54 5/8     | 18 5/8 | 6.56                           |
| 5 <sup>0</sup> 2 <sup>6</sup>  | 60            | 30     | 59 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 54 5/8     | 24 5/8 | 8.80                           |
| 5 <sup>0</sup> 3 <sup>0</sup>  | 60            | 36     | 59 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 54 5/8     | 30 5/8 | 11.03                          |
| 5 <sup>0</sup> 3 <sup>6</sup>  | 60            | 42     | 59 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 54 5/8     | 36 5/8 | 13.27                          |
| 5 <sup>0</sup> 4 <sup>0</sup>  | 60            | 48     | 59 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 54 5/8     | 42 5/8 | 15.50                          |
| 5 <sup>0</sup> 4 <sup>6</sup>  | 60            | 54     | 59 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 54 5/8     | 48 5/8 | 17.74                          |
| 5 <sup>0</sup> 5 <sup>0</sup>  | 60            | 60     | 59 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 54 5/8     | 54 5/8 | 19.97                          |
| 5 <sup>0</sup> 5 <sup>6</sup>  | 60            | 66     | 59 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 54 5/8     | 60 5/8 | 22.20                          |
| 5 <sup>0</sup> 6 <sup>0</sup>  | 60            | 72     | 59 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 54 5/8     | 66 5/8 | 24.44                          |
| 6 <sup>0</sup> 2 <sup>0</sup>  | 72            | 24     | 71 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 66 5/8     | 18 5/8 | 8.03                           |
| 6 <sup>0</sup> 2 <sup>6</sup>  | 72            | 30     | 71 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 66 5/8     | 24 5/8 | 10.77                          |
| 6 <sup>0</sup> 3 <sup>0</sup>  | 72            | 36     | 71 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 66 5/8     | 30 5/8 | 13.50                          |
| 6 <sup>0</sup> 3 <sup>6</sup>  | 72            | 42     | 71 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 66 5/8     | 36 5/8 | 16.24                          |
| 6 <sup>0</sup> 4 <sup>0</sup>  | 72            | 48     | 71 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 66 5/8     | 42 5/8 | 18.97                          |
| 6 <sup>0</sup> 4 <sup>6</sup>  | 72            | 54     | 71 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 66 5/8     | 48 5/8 | 21.70                          |
| 6 <sup>0</sup> 5 <sup>0</sup>  | 72            | 60     | 71 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 66 5/8     | 54 5/8 | 24.44                          |
| 6 <sup>0</sup> 5 <sup>6</sup>  | 72            | 66     | 71 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 66 5/8     | 60 5/8 | 27.17                          |
| 6 <sup>0</sup> 6 <sup>0</sup>  | 72            | 72     | 71 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 66 5/8     | 66 5/8 | 29.91                          |
| 7 <sup>0</sup> 2 <sup>0</sup>  | 84            | 24     | 83 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 78 5/8     | 18 5/8 | 9.50                           |
| 7 <sup>0</sup> 2 <sup>6</sup>  | 84            | 30     | 83 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 78 5/8     | 24 5/8 | 12.74                          |
| 7 <sup>0</sup> 3 <sup>0</sup>  | 84            | 36     | 83 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 78 5/8     | 30 5/8 | 15.97                          |
| 7 <sup>0</sup> 3 <sup>6</sup>  | 84            | 42     | 83 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 78 5/8     | 36 5/8 | 19.20                          |
| 7 <sup>0</sup> 4 <sup>0</sup>  | 84            | 48     | 83 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 78 5/8     | 42 5/8 | 22.44                          |
| 7 <sup>0</sup> 4 <sup>6</sup>  | 84            | 54     | 83 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 78 5/8     | 48 5/8 | 25.67                          |
| 7 <sup>0</sup> 5 <sup>0</sup>  | 84            | 60     | 83 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 78 5/8     | 54 5/8 | 28.91                          |
| 7 <sup>0</sup> 6 <sup>0</sup>  | 84            | 72     | 83 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 78 5/8     | 66 5/8 | 35.38                          |
| 8 <sup>0</sup> 2 <sup>0</sup>  | 96            | 24     | 95 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 90 5/8     | 18 5/8 | 10.97                          |
| 8 <sup>0</sup> 2 <sup>6</sup>  | 96            | 30     | 95 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 90 5/8     | 24 5/8 | 14.70                          |
| 8 <sup>0</sup> 3 <sup>0</sup>  | 96            | 36     | 95 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 90 5/8     | 30 5/8 | 18.44                          |
| 8 <sup>0</sup> 3 <sup>6</sup>  | 96            | 42     | 95 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 90 5/8     | 36 5/8 | 22.17                          |
| 8 <sup>0</sup> 4 <sup>0</sup>  | 96            | 48     | 95 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 90 5/8     | 42 5/8 | 25.91                          |
| 8 <sup>0</sup> 4 <sup>6</sup>  | 96            | 54     | 95 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 90 5/8     | 48 5/8 | 29.64                          |
| 8 <sup>0</sup> 5 <sup>0</sup>  | 96            | 60     | 95 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 90 5/8     | 54 5/8 | 33.38                          |
| 8 <sup>0</sup> 5 <sup>6</sup>  | 96            | 66     | 95 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 90 5/8     | 60 5/8 | 37.11                          |
| 8 <sup>0</sup> 6 <sup>0</sup>  | 96            | 72     | 95 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 90 5/8     | 66 5/8 | 40.84                          |
| 10 <sup>0</sup> 2 <sup>0</sup> | 120           | 24     | 119 1/2  | 23 1/2 | -             | -      | -                        | -                 | -      | 114 5/8    | 18 5/8 | 13.91                          |
| 10 <sup>0</sup> 2 <sup>6</sup> | 120           | 30     | 119 1/2  | 29 1/2 | -             | -      | -                        | -                 | -      | 114 5/8    | 24 5/8 | 18.64                          |
| 10 <sup>0</sup> 3 <sup>0</sup> | 120           | 36     | 119 1/2  | 35 1/2 | -             | -      | -                        | -                 | -      | 114 5/8    | 30 5/8 | 23.38                          |
| 10 <sup>0</sup> 3 <sup>6</sup> | 120           | 42     | 119 1/2  | 41 1/2 | -             | -      | -                        | -                 | -      | 114 5/8    | 36 5/8 | 28.11                          |
| 10 <sup>0</sup> 4 <sup>0</sup> | 120           | 48     | 119 1/2  | 47 1/2 | -             | -      | -                        | -                 | -      | 114 5/8    | 42 5/8 | 32.84                          |

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| Egress Requirements | Min. Width | Min. Height | Min. Sq.Ft. |
|---------------------|------------|-------------|-------------|
| United States       | 20"        | 24"         | 5.70        |
| Canada              | 15"        | 15"         | 3.77        |

| Size                          | Rough Opening |        | Net Size |        | Clear Opening |        | Clear Opening<br>Sq. Ft. | Egress Compliance |        | Glass Size |         | Total Visible<br>Glass Sq. Ft. |
|-------------------------------|---------------|--------|----------|--------|---------------|--------|--------------------------|-------------------|--------|------------|---------|--------------------------------|
|                               | Width         | Height | Width    | Height | Width         | Height |                          | U.S.              | Canada | Width      | Height  |                                |
| 1 <sup>0</sup> 1 <sup>0</sup> | 12            | 12     | 11 1/2   | 11 1/2 | -             | -      | -                        | -                 | -      | 6 3/16     | 6 3/16  | 0.19                           |
| 1 <sup>0</sup> 2 <sup>0</sup> | 12            | 24     | 11 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 6 3/16     | 18 3/16 | 0.62                           |
| 1 <sup>0</sup> 2 <sup>6</sup> | 12            | 30     | 11 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 6 3/16     | 24 3/16 | 0.84                           |
| 1 <sup>0</sup> 3 <sup>0</sup> | 12            | 36     | 11 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 6 3/16     | 30 3/16 | 1.05                           |
| 1 <sup>0</sup> 3 <sup>6</sup> | 12            | 42     | 11 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 6 3/16     | 36 3/16 | 1.27                           |
| 1 <sup>0</sup> 4 <sup>0</sup> | 12            | 48     | 11 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 6 3/16     | 42 3/16 | 1.48                           |
| 1 <sup>0</sup> 4 <sup>6</sup> | 12            | 54     | 11 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 6 3/16     | 48 3/16 | 1.70                           |
| 1 <sup>0</sup> 5 <sup>0</sup> | 12            | 60     | 11 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 6 3/16     | 54 3/16 | 1.92                           |
| 1 <sup>0</sup> 5 <sup>6</sup> | 12            | 66     | 11 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 6 3/16     | 60 3/16 | 2.13                           |
| 1 <sup>0</sup> 6 <sup>0</sup> | 12            | 72     | 11 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 6 3/16     | 66 3/16 | 2.35                           |
| 1 <sup>6</sup> 1 <sup>6</sup> | 18            | 18     | 17 1/2   | 17 1/2 | -             | -      | -                        | -                 | -      | 12 3/16    | 12 3/16 | 0.87                           |
| 1 <sup>6</sup> 2 <sup>0</sup> | 18            | 24     | 17 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 12 3/16    | 18 3/16 | 1.34                           |
| 1 <sup>6</sup> 2 <sup>6</sup> | 18            | 30     | 17 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 12 3/16    | 24 3/16 | 1.80                           |
| 1 <sup>6</sup> 3 <sup>0</sup> | 18            | 36     | 17 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 12 3/16    | 30 3/16 | 2.27                           |
| 1 <sup>6</sup> 3 <sup>6</sup> | 18            | 42     | 17 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 12 3/16    | 36 3/16 | 2.73                           |
| 1 <sup>6</sup> 4 <sup>0</sup> | 18            | 48     | 17 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 12 3/16    | 42 3/16 | 3.20                           |
| 1 <sup>6</sup> 4 <sup>6</sup> | 18            | 54     | 17 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 12 3/16    | 48 3/16 | 3.67                           |
| 1 <sup>6</sup> 5 <sup>0</sup> | 18            | 60     | 17 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 12 3/16    | 54 3/16 | 4.13                           |
| 1 <sup>6</sup> 5 <sup>6</sup> | 18            | 66     | 17 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 12 3/16    | 60 3/16 | 4.60                           |
| 1 <sup>6</sup> 6 <sup>0</sup> | 18            | 72     | 17 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 12 3/16    | 66 3/16 | 5.06                           |
| 2 <sup>0</sup> 2 <sup>0</sup> | 24            | 24     | 23 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 18 3/16    | 18 3/16 | 2.05                           |
| 2 <sup>0</sup> 2 <sup>6</sup> | 24            | 30     | 23 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 18 3/16    | 24 3/16 | 2.77                           |
| 2 <sup>0</sup> 3 <sup>0</sup> | 24            | 36     | 23 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 18 3/16    | 30 3/16 | 3.48                           |
| 2 <sup>0</sup> 3 <sup>6</sup> | 24            | 42     | 23 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 18 3/16    | 36 3/16 | 4.20                           |
| 2 <sup>0</sup> 4 <sup>0</sup> | 24            | 48     | 23 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 18 3/16    | 42 3/16 | 4.92                           |
| 2 <sup>0</sup> 4 <sup>6</sup> | 24            | 54     | 23 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 18 3/16    | 48 3/16 | 5.63                           |
| 2 <sup>0</sup> 5 <sup>0</sup> | 24            | 60     | 23 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 18 3/16    | 54 3/16 | 6.35                           |
| 2 <sup>0</sup> 5 <sup>6</sup> | 24            | 66     | 23 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 18 3/16    | 60 3/16 | 7.06                           |
| 2 <sup>0</sup> 6 <sup>0</sup> | 24            | 72     | 23 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 18 3/16    | 66 3/16 | 7.78                           |
| 2 <sup>6</sup> 2 <sup>0</sup> | 30            | 24     | 29 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 24 3/16    | 18 3/16 | 2.77                           |
| 2 <sup>6</sup> 2 <sup>6</sup> | 30            | 30     | 29 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 24 3/16    | 24 3/16 | 3.73                           |
| 2 <sup>6</sup> 3 <sup>0</sup> | 30            | 36     | 29 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 24 3/16    | 30 3/16 | 4.70                           |
| 2 <sup>6</sup> 4 <sup>0</sup> | 30            | 48     | 29 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 24 3/16    | 42 3/16 | 6.63                           |
| 2 <sup>6</sup> 4 <sup>6</sup> | 30            | 54     | 29 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 24 3/16    | 48 3/16 | 7.60                           |
| 2 <sup>6</sup> 5 <sup>0</sup> | 30            | 60     | 29 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 24 3/16    | 54 3/16 | 8.56                           |
| 2 <sup>6</sup> 5 <sup>6</sup> | 30            | 66     | 29 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 24 3/16    | 60 3/16 | 9.53                           |
| 2 <sup>6</sup> 6 <sup>0</sup> | 30            | 72     | 29 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 24 3/16    | 66 3/16 | 10.50                          |
| 3 <sup>0</sup> 2 <sup>0</sup> | 36            | 24     | 35 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 30 3/16    | 18 3/16 | 3.48                           |
| 3 <sup>0</sup> 2 <sup>6</sup> | 36            | 30     | 35 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 30 3/16    | 24 3/16 | 4.70                           |
| 3 <sup>0</sup> 3 <sup>0</sup> | 36            | 36     | 35 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 30 3/16    | 30 3/16 | 5.92                           |
| 3 <sup>0</sup> 3 <sup>6</sup> | 36            | 42     | 35 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 30 3/16    | 36 3/16 | 7.13                           |
| 3 <sup>0</sup> 4 <sup>0</sup> | 36            | 48     | 35 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 30 3/16    | 42 3/16 | 8.35                           |
| 3 <sup>0</sup> 4 <sup>6</sup> | 36            | 54     | 35 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 30 3/16    | 48 3/16 | 9.56                           |
| 3 <sup>0</sup> 5 <sup>0</sup> | 36            | 60     | 35 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 30 3/16    | 54 3/16 | 10.78                          |
| 3 <sup>0</sup> 5 <sup>6</sup> | 36            | 66     | 35 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 30 3/16    | 60 3/16 | 12.00                          |
| 3 <sup>0</sup> 6 <sup>0</sup> | 36            | 72     | 35 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 30 3/16    | 66 3/16 | 13.21                          |

Visible Glass

Rev: 9/28/15

| Egress Requirements | Min. Width | Min. Height | Min. Sq.Ft. |
|---------------------|------------|-------------|-------------|
| United States       | 20"        | 24"         | 5.70        |
| Canada              | 15"        | 15"         | 3.77        |

| Size                           | Rough Opening |        | Net Size |        | Clear Opening |        | Clear Opening<br>Sq. Ft. | Egress Compliance |        | Glass Size |         | Total Visible<br>Glass Sq. Ft. |
|--------------------------------|---------------|--------|----------|--------|---------------|--------|--------------------------|-------------------|--------|------------|---------|--------------------------------|
|                                | Width         | Height | Width    | Height | Width         | Height |                          | U.S.              | Canada | Width      | Height  |                                |
| 4 <sup>0</sup> 2 <sup>0</sup>  | 48            | 24     | 47 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 42 3/16    | 18 3/16 | 4.92                           |
| 4 <sup>0</sup> 2 <sup>6</sup>  | 48            | 30     | 47 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 42 3/16    | 24 3/16 | 6.63                           |
| 4 <sup>0</sup> 3 <sup>0</sup>  | 48            | 36     | 47 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 42 3/16    | 30 3/16 | 8.35                           |
| 4 <sup>0</sup> 3 <sup>6</sup>  | 48            | 42     | 47 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 42 3/16    | 36 3/16 | 10.06                          |
| 4 <sup>0</sup> 4 <sup>0</sup>  | 48            | 48     | 47 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 42 3/16    | 42 3/16 | 11.78                          |
| 4 <sup>0</sup> 4 <sup>6</sup>  | 48            | 54     | 47 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 42 3/16    | 48 3/16 | 13.50                          |
| 4 <sup>0</sup> 5 <sup>0</sup>  | 48            | 60     | 47 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 42 3/16    | 54 3/16 | 15.21                          |
| 4 <sup>0</sup> 5 <sup>6</sup>  | 48            | 66     | 47 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 42 3/16    | 60 3/16 | 16.93                          |
| 4 <sup>0</sup> 6 <sup>0</sup>  | 48            | 72     | 47 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 42 3/16    | 66 3/16 | 18.65                          |
| 5 <sup>0</sup> 2 <sup>0</sup>  | 60            | 24     | 59 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 54 3/16    | 18 3/16 | 6.35                           |
| 5 <sup>0</sup> 2 <sup>6</sup>  | 60            | 30     | 59 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 54 3/16    | 24 3/16 | 8.56                           |
| 5 <sup>0</sup> 3 <sup>0</sup>  | 60            | 36     | 59 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 54 3/16    | 30 3/16 | 10.78                          |
| 5 <sup>0</sup> 3 <sup>6</sup>  | 60            | 42     | 59 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 54 3/16    | 36 3/16 | 13.00                          |
| 5 <sup>0</sup> 4 <sup>0</sup>  | 60            | 48     | 59 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 54 3/16    | 42 3/16 | 15.21                          |
| 5 <sup>0</sup> 4 <sup>6</sup>  | 60            | 54     | 59 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 54 3/16    | 48 3/16 | 17.43                          |
| 5 <sup>0</sup> 5 <sup>0</sup>  | 60            | 60     | 59 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 54 3/16    | 54 3/16 | 19.65                          |
| 5 <sup>0</sup> 5 <sup>6</sup>  | 60            | 66     | 59 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 54 3/16    | 60 3/16 | 21.86                          |
| 5 <sup>0</sup> 6 <sup>0</sup>  | 60            | 72     | 59 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 54 3/16    | 66 3/16 | 24.08                          |
| 6 <sup>0</sup> 2 <sup>0</sup>  | 72            | 24     | 71 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 66 3/16    | 18 3/16 | 7.78                           |
| 6 <sup>0</sup> 2 <sup>6</sup>  | 72            | 30     | 71 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 66 3/16    | 24 3/16 | 10.50                          |
| 6 <sup>0</sup> 3 <sup>0</sup>  | 72            | 36     | 71 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 66 3/16    | 30 3/16 | 13.21                          |
| 6 <sup>0</sup> 3 <sup>6</sup>  | 72            | 42     | 71 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 66 3/16    | 36 3/16 | 15.93                          |
| 6 <sup>0</sup> 4 <sup>0</sup>  | 72            | 48     | 71 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 66 3/16    | 42 3/16 | 18.65                          |
| 6 <sup>0</sup> 4 <sup>6</sup>  | 72            | 54     | 71 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 66 3/16    | 48 3/16 | 21.36                          |
| 6 <sup>0</sup> 5 <sup>0</sup>  | 72            | 60     | 71 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 66 3/16    | 54 3/16 | 24.08                          |
| 6 <sup>0</sup> 5 <sup>6</sup>  | 72            | 66     | 71 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 66 3/16    | 60 3/16 | 26.79                          |
| 6 <sup>0</sup> 6 <sup>0</sup>  | 72            | 72     | 71 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 66 3/16    | 66 3/16 | 29.51                          |
| 7 <sup>0</sup> 2 <sup>0</sup>  | 84            | 24     | 83 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 78 3/16    | 18 3/16 | 9.21                           |
| 7 <sup>0</sup> 2 <sup>6</sup>  | 84            | 30     | 83 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 78 3/16    | 24 3/16 | 12.43                          |
| 7 <sup>0</sup> 3 <sup>0</sup>  | 84            | 36     | 83 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 78 3/16    | 30 3/16 | 15.65                          |
| 7 <sup>0</sup> 3 <sup>6</sup>  | 84            | 42     | 83 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 78 3/16    | 36 3/16 | 18.86                          |
| 7 <sup>0</sup> 4 <sup>0</sup>  | 84            | 48     | 83 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 78 3/16    | 42 3/16 | 22.08                          |
| 7 <sup>0</sup> 4 <sup>6</sup>  | 84            | 54     | 83 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 78 3/16    | 48 3/16 | 25.29                          |
| 7 <sup>0</sup> 5 <sup>0</sup>  | 84            | 60     | 83 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 78 3/16    | 54 3/16 | 28.51                          |
| 7 <sup>0</sup> 6 <sup>0</sup>  | 84            | 72     | 83 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 78 3/16    | 66 3/16 | 34.94                          |
| 8 <sup>0</sup> 2 <sup>0</sup>  | 96            | 24     | 95 1/2   | 23 1/2 | -             | -      | -                        | -                 | -      | 90 3/16    | 18 3/16 | 10.65                          |
| 8 <sup>0</sup> 2 <sup>6</sup>  | 96            | 30     | 95 1/2   | 29 1/2 | -             | -      | -                        | -                 | -      | 90 3/16    | 24 3/16 | 14.36                          |
| 8 <sup>0</sup> 3 <sup>0</sup>  | 96            | 36     | 95 1/2   | 35 1/2 | -             | -      | -                        | -                 | -      | 90 3/16    | 30 3/16 | 18.08                          |
| 8 <sup>0</sup> 3 <sup>6</sup>  | 96            | 42     | 95 1/2   | 41 1/2 | -             | -      | -                        | -                 | -      | 90 3/16    | 36 3/16 | 21.79                          |
| 8 <sup>0</sup> 4 <sup>0</sup>  | 96            | 48     | 95 1/2   | 47 1/2 | -             | -      | -                        | -                 | -      | 90 3/16    | 42 3/16 | 25.51                          |
| 8 <sup>0</sup> 4 <sup>6</sup>  | 96            | 54     | 95 1/2   | 53 1/2 | -             | -      | -                        | -                 | -      | 90 3/16    | 48 3/16 | 29.23                          |
| 8 <sup>0</sup> 5 <sup>0</sup>  | 96            | 60     | 95 1/2   | 59 1/2 | -             | -      | -                        | -                 | -      | 90 3/16    | 54 3/16 | 32.94                          |
| 8 <sup>0</sup> 5 <sup>6</sup>  | 96            | 66     | 95 1/2   | 65 1/2 | -             | -      | -                        | -                 | -      | 90 3/16    | 60 3/16 | 36.66                          |
| 8 <sup>0</sup> 6 <sup>0</sup>  | 96            | 72     | 95 1/2   | 71 1/2 | -             | -      | -                        | -                 | -      | 90 3/16    | 66 3/16 | 40.37                          |
| 10 <sup>0</sup> 2 <sup>0</sup> | 120           | 24     | 119 1/2  | 23 1/2 | -             | -      | -                        | -                 | -      | 114 3/16   | 18 3/16 | 13.51                          |
| 10 <sup>0</sup> 2 <sup>6</sup> | 120           | 30     | 119 1/2  | 29 1/2 | -             | -      | -                        | -                 | -      | 114 3/16   | 24 3/16 | 18.23                          |
| 10 <sup>0</sup> 3 <sup>0</sup> | 120           | 36     | 119 1/2  | 35 1/2 | -             | -      | -                        | -                 | -      | 114 3/16   | 30 3/16 | 22.94                          |
| 10 <sup>0</sup> 3 <sup>6</sup> | 120           | 42     | 119 1/2  | 41 1/2 | -             | -      | -                        | -                 | -      | 114 3/16   | 36 3/16 | 27.66                          |
| 10 <sup>0</sup> 4 <sup>0</sup> | 120           | 48     | 119 1/2  | 47 1/2 | -             | -      | -                        | -                 | -      | 114 3/16   | 42 3/16 | 32.37                          |