## SIZING TABLES

## How to Use This Table

1. Verify that floor loading of 40 psf live load and 12 psf dead load is adequate.
2. Determine appropriate Load and House Width.
3. Locate Rough Opening.
4. Select header size and material.

Also see General Notes on page 13.


## Headers Supporting Floor and Roof

| $\begin{aligned} & \text { Load } \\ & \text { (PSF) } \end{aligned}$ |  | House Width | Rough Opening |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $8^{\prime}$ |  | 9'-3" |  |  |  | $10^{\prime}$ |  |  |  | 12' |  |  |
| Non-Snow Area 125\% | Roof Load 20LL + 15DL <br> Floor Load $40 L L+12 D L$ |  | 13/4" $\times 11^{11 / 4}$ | , |  | $1^{3 / 4} \times 11^{1 / 81(3)}$ | M |  |  | $13 / 4 \times 14^{1 / 3)}$ | T | M |  | $31 / 2^{\prime \prime} \times 11^{1 / 4}$ |  | M P |
|  |  |  | $24^{\prime}$ | $31 / 2 \mathrm{x} \times 9^{11 / 4}$ |  | P | $1^{3 / 4} \times 14^{\prime \prime}(3)$ | M |  |  | 31/2" $\times 91 / 2$ " |  |  | P | $31 / 2^{\prime \prime} \times 14^{\prime \prime}$ | M | M P |
|  |  |  |  |  |  | $31 / 2 \times 91 /{ }^{1 /}$ | M |  | P | $31 / 2 \times 1{ }^{11} / 4^{\prime \prime}$ | T |  | P | $51 / 4 \mathrm{x} \times 11^{1 / 4 "}$ | M | M P |
|  |  | 30' | $13 / 4 \mathrm{x} \times 11 / 8^{\prime \prime}(3)$ | T |  | $13 / 4 \times 14^{\prime \prime}(3)$ | M |  |  | $31 / 2 \mathrm{c} \times 111 / 4^{\prime \prime}$ |  |  | P | $31 / 2 \mathrm{x} \times 14^{\prime \prime}$ | M | M P |
|  |  |  | $31 / 2 \mathrm{x} \times 91 /{ }^{1 / 4}$ | T | P | $31 / 2 \mathrm{x} \times 1 \frac{1}{4}{ }^{\text {" }}$ | M |  | P | 51/4" $\times 91 / 4 "$ |  |  | P | $51 / 4^{\prime \prime} \times 11^{1 / 4 "}$ | N | M P |
|  |  |  |  |  |  | $31 / 22^{\prime \prime} \times 11^{1 / 4}$ | M |  | P | 51/4" $\times 91 / 2$ | T | M | P |  |  |  |
|  |  | 36' | $13 / 4{ }^{\prime \prime} \times 14^{\prime \prime}(3)$ | T |  | $31 / 2^{\prime \prime} \times 11^{1 / 4}{ }^{1 /}$ | M |  | P | $31 / 2^{\prime \prime} \times 111 / 8^{\prime \prime}$ | T | M P | P | $31 / 22^{\prime \prime} \times 14^{\prime \prime}(3)$ | T | M P |
|  |  |  | $31 / 2 \times 91 /{ }^{1 / 2}$ | T | P | $51 / 4 " \times 91 / 4 "$ | M |  | P | 51/4" $\times 11 / 4 "$ |  |  | P | $51 / 4^{\prime \prime} \times 11^{11 / 4}$ |  | P |
|  |  |  | $51 / 4 " \times 91 / 4{ }^{1 / 4}$ |  | P P |  |  |  |  | $51 / 4 \times 111 / 4^{\prime \prime}$ | T | M | P |  |  |  |
|  | Roof Load $20 L L+20 D L$ <br> Floor Load $40 L L+12 D L$ | $24^{\prime}$ | $13 / 4{ }^{1 / 2} \times 11^{1 / 4}{ }^{1 /(3)}$ | N |  | $134^{\prime \prime} \times 14^{\text {"(3) }}$ | M |  |  | $13 / 4 \times 14^{1 / 3}$ |  |  |  | $31 / 2 \mathrm{l} \times 111 / 8^{\text {" }}$ |  | P |
|  |  |  | $31 / 2 \times 91 / 4{ }^{1 / 4}$ | T | P | $31 / 2 \mathrm{x} \times 1 \frac{1}{4}{ }^{\text {" }}$ | M |  | P | $31 / 2 \mathrm{c} \times 111 / 4 "$ |  |  | P | $31 / 2 \mathrm{x} \times 14^{\prime \prime}$ | T | M P |
|  |  |  |  |  |  | $31 / 2 \times \times 11^{1 / 4}$ | M |  | P | 51/4" $\times 91 / 4 "$ |  |  | P | $51 / 4$ " $\times 11^{1 / 4 "}$ | T | M P |
|  |  | $30^{\prime}$ | $13 / 4 \times 14^{\prime \prime}(3)$ | N |  | $13 / 4 \times 14^{\prime \prime}(3)$ | M |  |  | $31 / 2 \times \times 11 / 1 / 4$ |  |  | P | $31 / 2 \mathrm{x} \times 14^{\prime \prime}$ | T | M P |
|  |  |  | $31 / 2 \mathrm{x} \times 9^{1 / 4}{ }^{\prime \prime}$ | N | P | $31 / 2 \mathrm{x} \times 1 /{ }^{\prime \prime}$ | N |  | P | 51/4" $\times 91 / 4 "$ |  |  | P | $51 / 4 \mathrm{x} \times 11^{1 / 4 "}$ |  | M P |
|  |  |  |  |  |  | $31 / 22^{\prime \prime} \times 11^{1 / 4}$ | M |  | P |  |  |  |  | $51 / 4 \mathrm{c} \times 117 / 8^{\prime \prime}$ | T | M P |
|  |  | 36' | $1^{3 / 4} 4^{\prime \prime} \times 14^{\prime \prime}(3)$ |  |  | $31 / 2 \times 11^{1 / 4}{ }^{1 /}$ | M |  | P | $31 / 22^{\prime \prime} \times 11 / 8^{\prime \prime}$ |  |  | P | $31 / 2^{\prime \prime} \times 14^{\text {(13) }}$ |  | P |
|  |  |  |  |  | P | $51 / 4 " \times 91 / 4{ }^{\prime \prime}$ | N |  | P | 514" $\times 91 / 2$ " |  |  | P | $31 / 2 \mathrm{n} \times 16^{\prime \prime}(3)$ | T | M P |
|  |  |  | $3112{ }^{1 / 2} \times 11^{11 / 4}$ | T | P | $51 / 4 " \times 91 / 2^{\prime \prime}$ | M |  | P | $51 / 4 \times 111 / 4^{\prime \prime}$ | T |  | P | $51 / 4 \mathrm{x} \times 11^{11 / 4}$ |  | P |
| $\begin{aligned} & \text { Snow } \\ & \text { Area } \\ & 115 \% \end{aligned}$ | Roof Load 25LL + 15DL <br> Floor Load 40LL + 12DL | $24^{\prime}$ | $13^{3 / 4} \times 11^{11 / 4}{ }^{1(3)}$ | N |  | $134^{1 / \times 144^{\prime \prime}(3)}$ | M |  |  | $13 / 4 \times 14^{1 / 3)}$ |  | M |  | $31 / 2 \mathrm{l} \times 111 / 8^{\text {" }}$ |  | P |
|  |  |  | $31 / 2 \times 91 / 4{ }^{1 /}$ |  | P | $31 / 2 \times 91 / 4^{\prime \prime}$ | M |  | P | $31 / 2 \times 11^{1 / 4}$ | T |  | P | $31 / 2 \mathrm{x} \times 14^{\prime \prime}$ | T | M P |
|  |  |  |  |  |  | $31 / 2 \times 1{ }^{11 / 4}{ }^{1 /}$ | M |  | P | 51/4" $\times 91 / 4{ }^{\text {" }}$ |  |  | P | $51 / 4$ " $\times 111 / 4^{\prime \prime}$ | T | P |
|  |  | 30' | $13 / 4{ }^{\prime \prime} \times 14^{\prime \prime}(3)$ | T |  | $31 / 2 \mathrm{x} \times 11 / 2$ | M |  | P | $31 / 2$ " $\times 111 / 4 "$ |  | M | P | $31 / 2 \mathrm{x} \times 14^{\prime \prime}$ | T | M P |
|  |  |  | $31 / 22^{\prime \prime} \times 1 / 4{ }^{1 /}$ | N | P P | $31 / 2 \times 11^{1 / 4}{ }^{1 /}$ | M |  | P | 51/4" $\times 91 / 4 "$ |  | M P | P | $51 / 4{ }^{\prime \prime} \times 11^{1 / 4 "}$ |  | M P |
|  |  |  |  |  |  | $51 / 41 \times 91 / 4{ }^{11}$ | M |  | P |  |  |  |  | $51 / 4 \mathrm{x} \times 117 / 8^{\prime \prime}$ | T | M P |
|  |  | 36' | $13 / 4{ }^{\prime \prime} \times 14^{\prime \prime}(3)$ |  |  | $31 / 2{ }^{1 / 2} \times 11^{1 / 4}$ | M |  | P | $31 / 2{ }^{10} \times 11 / 8{ }^{\text {" }}$ |  | M P | P | $31 / 2^{\prime \prime} \times 14^{\text {n/3) }}$ |  | P |
|  |  |  | $31 / 2 \mathrm{x} \times 14^{1 / 4}$ |  | P | $51 / 4 " \times 91 / 4{ }^{1 /}$ | M |  | P | 51/4" $\times 91 /{ }^{1 / 2}$ |  | M P | P | $31 / 2^{11} \times 16^{1(3)}$ | T | M P |
|  |  |  | $31 / 22^{\prime \prime} \times 11^{11 / 4}$ | I | P | $51 / 4 \mathrm{x} \times 1 \frac{1 / 2}{}$ | N |  | P | $51 / 4 \mathrm{4} \times 111 / 4^{\prime \prime}$ | T | M P | P | $51 / 4^{\prime \prime} \times 11^{11 / 4}$ |  | P |
|  | Roof Load 30LL + 15DL <br> Floor Load 40LL + 12DL | $24^{\prime}$ | $13 / 4{ }^{\prime \prime} \times 1178^{\prime \prime}$ |  |  | $13^{3 / 4} \times 14^{\prime \prime}(3)$ | N |  |  | $31 / 24 \times 111 / 4 "$ |  | M P | P | $31 / 2 \mathrm{c} \times 117 / 8^{\prime \prime}$ |  | P |
|  |  |  | $134^{\prime \prime} \times 14^{\prime \prime}(3)$ | T |  | $31 / 2 \mathrm{x} \times 914{ }^{1 /}$ | M |  | P | 51/4" $\times 91 / 4 "$ |  | M P | P | $31 / 2 \mathrm{x} \times 14^{\prime \prime}$ | T | M P |
|  |  |  |  | T | P | $31 / 2 \times 11^{11 / 4}$ | M |  | P |  |  |  |  | $51 / 4 \mathrm{x} \times 11^{11 / 4}$ | T | M P |
|  |  | 30' | $1^{3 / 4} \mathbf{4}^{\prime \prime} \times 14^{\prime \prime \prime}(3)$ | T |  | $31 / 2 \times \times 11^{1 / 4}$ | M |  | P | $31 / 21 \times 11 / 8^{\prime \prime}$ |  | M P | P | $31 / 2^{\prime \prime} \times 14^{\prime \prime}$ | T | P |
|  |  |  | $31 / 2 \mathrm{x} \times 91 / 4$ |  | P | $51 / 4 " \times 91 / 4{ }^{11}$ | M |  | P | 51/4" $\times 91 / 4 "$ |  | M P | P | $51 / 4 \mathrm{C} \times 11^{1 / 4 "}$ |  | P |
|  |  |  |  |  |  |  |  |  |  | $51 / 4 \times 111 / 4^{\prime \prime}$ | T | M P | P |  |  |  |
|  |  | 36' | $31 / 2^{\prime \prime} \times 914{ }^{\text {" }}$ |  | P | $31121 \times 117 / 8^{\prime \prime}$ | M |  | P | $31 / 2 \times 111 / 8^{\prime \prime}$ |  | M P | P | $31 / 2^{\prime \prime} \times 14^{\text {(13) }}$ |  | P |
|  |  |  | $31 / 22^{\prime \prime} \times 11^{1 / 4}$ |  | P | $51 / 4 " \times 91 / 4{ }^{1 /}$ | N |  | P | $31 / 2 \times 14^{\prime \prime}$ |  | M P | P | $31 / 2^{11} \times 16^{1(3)}$ | T | M P |
|  |  |  | $51 / 4 \mathrm{x} \times 1 \frac{114}{}{ }^{\prime \prime}$ | T | P | $51 / 4 \times 11^{11 / 4}$ | N |  | P | $51 / 4 \mathrm{4} \times 111 / 4{ }^{\prime \prime}$ |  | M P | P | $51 / 4 \mathrm{x} \times 117 / 8^{\prime \prime}$ |  | P |
|  | Roof Load $40 L L+15 D L$ <br> Floor Load $40 L L+12 D L$ | $24^{\prime}$ | $134^{\prime \prime} \times 14^{\prime \prime}(3)$ | T |  | $31 / 2 \times 1{ }^{11 / 4}{ }^{\prime \prime}$ | M |  | P | $31 / 2 \mathrm{x} \times 111 / 8^{\prime \prime}$ |  | M P | P | $31 / 2 " \times 14^{\prime \prime}$ | T | P |
|  |  |  | $31 / 22^{\prime \prime} \times 91 / 4$ " |  | P | $51 / 4 " \times 91 / 4$ | N |  | P | 51/4" $\times 1 / 4 / 4$ |  | M P | P | $51 / 4 \mathrm{x} \times 11^{1 / 4 "}$ |  | M P |
|  |  |  |  |  |  |  |  |  |  | $51 / 4 \times 111 / 4^{\prime \prime}$ |  | M P | P | $51 / 4 \mathrm{x} \times 117 / 8^{\prime \prime}$ | T | P |
|  |  | $30^{\prime}$ |  |  | P | $31 / 2 \mathrm{x} \times 117 / 8^{\prime \prime}$ | N |  | P | $31 / 2 \mathrm{k} \times 111 / 8^{\prime \prime}$ |  | M P | P | $31 / 2 \mathrm{n} \times 14^{\prime \prime}(3)$ |  | P |
|  |  |  | $311 / 2 \times 11^{11 / 4}$ | T | P P | $51 / 4^{\prime \prime} \times 914^{\prime \prime}$ | N |  | P | $31 / 2$ " $\times 14^{\prime \prime}$ |  | M | P | $31 / 2^{11} \times 16^{\text {"(3) }}$ | T | M P |
|  |  |  |  | T | P P | $51 / 4 \times 11^{1 / 4}{ }^{\text {" }}$ | M |  | P | $51 / 4 \times 111 / 4^{\prime \prime}$ | T | M | P | $51 / 4 \mathrm{4} \times 117 / 8^{\prime \prime}$ |  | M P |
|  |  | $36^{\prime}$ | $31 / 21 \times 11^{11 / 4}$ | T | P | $31 / 21 \times 111 / /^{\prime \prime}(3)$ | M |  | P | $31 / 2 \mathrm{~L} \times 14^{\prime \prime}(3)$ | T | M | P | $31 / 2 \mathrm{~L} \mathrm{\prime} \times 16^{\prime \prime}(3)$ | T | P |
|  |  |  | $51 / 4$ " $\times 11 / 4{ }^{\prime \prime}$ | N | P | $31 / 2 \times 14^{\prime \prime}(3)$ | M |  | P | $51 / 4 \mathrm{x} \times 111 / 4 "$ |  | M | P | $51 / 4^{\prime \prime} \times 14^{\prime \prime}$ | T | M P |
|  |  |  |  |  |  | $51 / 4 \mathrm{x} \times 91 /{ }^{1 /}$ |  |  | P |  |  |  |  |  |  |  |

