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# STUDRITE® STUDS

**CSI Sections:**

**05 40 00 Cold-Formed Metal Framing**
**05 41 00 Structural Metal Stud Framing**
**09 22 16.13 Non-Structural Metal Stud Framing**

## 1.0 RECOGNITION

StudRite® studs have been evaluated for use as wall framing in non-loadbearing and loadbearing walls. The structural properties of the StudRite® studs were evaluated for compliance with the following codes:

- 2021, 2018, and 2015 International Building Code® (IBC)
- 2020 Florida Building Code (FBC, Building)- Including HVHZ - Supplement attached
- 2022 New York City Building Code (NYCBC) – Supplement attached

## 2.0 LIMITATIONS

Use of StudRite® studs recognized in this report is subject to the following limitations:

**2.1** Plans, calculations, and specifications verifying compliance with this report shall be submitted to the building official when applying for a building permit. The documents shall be prepared and sealed by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed.

**2.2** The minimum uncoated base-metal thickness of StudRite® studs shall not be less than 95 percent of the design thickness.

**2.3** StudRite® studs listed in Table 1A are limited to non-structural applications as defined by AISI S220.

**2.4** The interior nonload-bearing composite wall assemblies in Table 6 shall be limited to interior installations where the superimposed axial load is zero pounds.

**2.5** The StudRite® cold-formed steel studs recognized in this report are produced by Marino\WARE in South Plainfield, New Jersey, and East Chicago, Indiana.

## 3.0 PRODUCT USE

StudRite® studs (Tables 1A, 1B, and Figure 1) are used as studs in non-loadbearing walls and loadbearing walls; interior and exterior. Section properties used in designs are specified in Table 2. Allowable loads and spans are shown in Tables 3 through 6.

Design and installation of StudRite® studs shall comply with the applicable code, the approved plans, and this report. Where conflicts occur, the most restrictive shall govern.

**3.1 Design:** For applications not covered by Tables 3 through 6, StudRite® studs shall be designed in accordance with AISI S100.

**3.2 Installation:** For composite system walls, fastening of the stud to the track is optional. The end bearing of the stud on the track shall be a minimum of 1 inch. The gypsum wallboard shall be installed on both sides of the wall framing for the full height of the wall, with the long dimension of the gypsum wallboard parallel to the studs. Placement of joints in the gypsum sheathing shall be in accordance with Sections 4.6.3 and 4.6.4 of GA-216 or Section 7.5 of ASTM C840.

The maximum spacing of fasteners attaching the gypsum wallboard to the studs and tracks shall be as follows:

| Stud Spacing: | Studs: | Tracks: |
|---|---|---|
| 12” o.c. | 12” o.c. | 16” o.c. |
| 16” o.c. | 12” o.c. | 16” o.c. |
| 24” o.c. | 12” o.c. | 12” o.c. |

## 4.0 PRODUCT DESCRIPTION

### 4.1 General

StudRite® studs are C-shaped cold-formed steel studs. The studs have triangular-shaped, lipped holes that allow for the routing of building utilities. Figure 1 provides an illustration of the stud. Data is derived from testing and analysis of members cut through the hole. Tables 1A and 1B list member designations and geometry details.

### 4.2 Material Information

**4.2.1 Steel:** The studs listed in Table 1B are cold-formed from galvanized steel coils produced to ASTM A653, SS Grade 33; ASTM A653, SS Grade 50, Class 1; ASTM A1003, Structural Grade 33, Type H (ST33H); or ASTM A1003, Structural Grade 50, Type H (ST50H). The steel has

*The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with IBC Section 104.11. This document shall only be reproduced in its entirety.*

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a minimum G60 galvanized coating designation in accordance with ASTM A653.

The studs listed in Table 1A are cold-formed from galvanized steel coils produced to ASTM A653, SS Grade 40, or ASTM A1003, Nonstructural Grade 40 (NS40). The steel has a minimum G40 galvanized coating designation in accordance with ASTM A653.

**4.2.2 Gypsum Wallboard:** The gypsum wallboard used for the composite action wall assemblies in Table 5 shall be a minimum of $^5/_8$-inch thick, Type X, complying with ASTM C1396 manufactured by American Gypsum, CertainTeed; Continental; Georgia Pacific; National Gypsum; or USG. For the non-composite action wall assemblies in Tables 2A and 2B, the wallboard is allowed to be any wallboard allowed by the applicable code.

**4.2.3 Fasteners:** Fasteners attaching the gypsum wallboard to the studs and tracks shall be No. 6, Type S, fine thread drywall bugle head screws meeting the requirements of ASTM C1002.

## 5.0 IDENTIFICATION

StudRite® studs are stamped, stenciled, or embossed at a maximum of 96 inches on center with the manufacturer's name (Marino\WARE) or initials (MW), the member designation, the minimum uncoated steel thickness, the minimum yield strength if over 33 ksi, the metallic coating designation, and the evaluation report number (ER-781). The IAPMO Uniform Evaluation Service Mark of Conformity may also be used as shown below:

**IAPMO UES ER-781**

## 6.0 SUBSTANTIATING DATA

Test reports are from laboratories in compliance with ISO/IEC 17025.

**6.1** Testing and analysis data in accordance with Acceptance Criteria for Cold-formed Steel Framing Members (ICC-ES AC46).

**6.2** Testing and analysis of data in accordance with AISI S100, AISI S220, and AISI S240.

**6.3** Testing and analysis data in accordance with Acceptance Criteria for Cold-formed Steel Framing Members–Interior Nonload-bearing Wall Assemblies (ICC-ES AC86).

**6.4** Testing and analysis of data in accordance with AISI S916.

## 7.0 REFERENCE CODE SECTIONS

The code references apply to the recognition provided in this report but may not include every code section related to the use of this product.

**International Building Code:**

- Section 104.11 Alternative materials, design and methods of construction and equipment.
- Section 2210.1 General
- Section 2211.1 Structural framing.
- Section 2211.2 Nonstructural members.
- Table 2508.1 Installation of Gypsum Construction.
- Table 2511.1.1 Installation of Plaster Construction.

## 8.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on the StudRite® cold-formed steel studs to assess their conformance to the codes shown in Section 1.0 of this report and documents the product's certification. Products are manufactured at locations noted in Section 2.5 of this report under a quality control program with periodic inspection under the supervision of IAPMO UES.

**For additional information about this evaluation report please visit www.uniform-es.org or email us at info@uniform-es.org**

**For SI Units:**

| | |
|---|---|
| 1 inch = 25.4 mm | 1 plf = 14.5939 N/m |
| 1 ksi = 6.895 MPa | 1 lb = 0.4536 kg |
| 1 psf = 47.88 Pa | 1 kip-inch = 112.99 N-m |

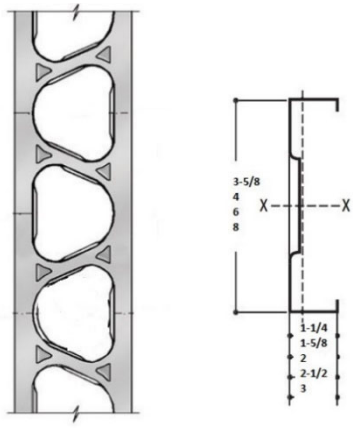


**FIGURE 1**—StudRite® STUD

### TABLE 1A— StudRite® NONSTRUCTURAL MEMBERS[1,3]

| Section Identification | $F_y$ (ksi) | Height[2] (in.) | Flange (in.) | Lip (in.) | Weight (plf) | Design Thickness (in.) | Minimum Thickness (in.) |
|---|---|---|---|---|---|---|---|
| 362SR125-18 | 40 | 3 5/8 | 1 1/4 | 1/4 | 0.36 | 0.0188 | 0.0179 |
| 362SR125-30 | 40 | 3 5/8 | 1 1/4 | 1/4 | 0.59 | 0.0312 | 0.0297 |
| 362SR125-33 | 40 | 3 5/8 | 1 1/4 | 1/4 | 0.65 | 0.0346 | 0.0329 |
| 362SR125-43 | 40 | 3 5/8 | 1 1/4 | 1/4 | 0.84 | 0.0451 | 0.0429 |
| 400SR125-18 | 40 | 4 | 1 1/4 | 1/4 | 0.38 | 0.0188 | 0.0179 |
| 400SR125-30 | 40 | 4 | 1 1/4 | 1/4 | 0.63 | 0.0312 | 0.0297 |
| 400SR125-33 | 40 | 4 | 1 1/4 | 1/4 | 0.69 | 0.0346 | 0.0329 |
| 400SR125-43 | 40 | 4 | 1 1/4 | 1/4 | 0.90 | 0.0451 | 0.0429 |
| 600SR125-18 | 40 | 6 | 1 1/4 | 1/4 | 0.46 | 0.0188 | 0.0179 |
| 600SR125-30 | 40 | 6 | 1 1/4 | 1/4 | 0.76 | 0.0312 | 0.0297 |
| 600SR125-33 | 40 | 6 | 1 1/4 | 1/4 | 0.84 | 0.0346 | 0.0329 |
| 600SR125-43 | 40 | 6 | 1 1/4 | 1/4 | 1.09 | 0.0451 | 0.0429 |

[1] Table 1B members have a G40 galvanized coating in accordance with ASTM A653.
[2] Height is measured from the outside face to the outside face of the flanges.
[3] Nonstructural members are limited to use in interior applications only.

### TABLE 1B—StudRite® STRUCTURAL MEMBERS[1,3]

| Section Identification | $F_y$ (ksi) | Height[2] (in.) | Flange (in.) | Lip (in.) | Weight (plf) | Design Thickness (in.) | Minimum Thickness (in.) | Section Identification | $F_y$ (ksi) | Height[2] (in.) | Flange (in.) | Lip (in.) | Weight (plf) | Design Thickness (in.) | Minimum Thickness (in.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 362SR162-33 | 33 | 3 5/8 | 1 5/8 | ½ | 0.80 | 0.0346 | 0.0329 | 600SR162-33 | 33 | 6 | 1 5/8 | ½ | 0.99 | 0.0346 | 0.0329 |
| 362SR162-43 | 33 | 3 5/8 | 1 5/8 | ½ | 1.03 | 0.0451 | 0.0429 | 600SR162-43 | 33 | 6 | 1 5/8 | ½ | 1.29 | 0.0451 | 0.0429 |
| 362SR162-54 | 50 | 3 5/8 | 1 5/8 | ½ | 1.28 | 0.0566 | 0.0538 | 600SR162-54 | 50 | 6 | 1 5/8 | ½ | 1.60 | 0.0566 | 0.0538 |
| 362SR162-68 | 50 | 3 5/8 | 1 5/8 | ½ | 1.59 | 0.0713 | 0.0678 | 600SR162-68 | 50 | 6 | 1 5/8 | ½ | 1.99 | 0.0713 | 0.0678 |
| 362SR162-97 | 50 | 3 5/8 | 1 5/8 | ½ | 2.19 | 0.1017 | 0.0967 | 600SR162-97 | 50 | 6 | 1 5/8 | ½ | 2.76 | 0.1017 | 0.0967 |
| 362SR200-33 | 33 | 3 5/8 | 2 | 5/8 | 0.92 | 0.0346 | 0.0329 | 600SR200-33 | 33 | 6 | 2 | 5/8 | 1.11 | 0.0346 | 0.0329 |
| 362SR200-43 | 33 | 3 5/8 | 2 | 5/8 | 1.19 | 0.0451 | 0.0429 | 600SR200-43 | 33 | 6 | 2 | 5/8 | 1.44 | 0.0451 | 0.0429 |
| 362SR200-54 | 50 | 3 5/8 | 2 | 5/8 | 1.47 | 0.0566 | 0.0538 | 600SR200-54 | 50 | 6 | 2 | 5/8 | 1.79 | 0.0566 | 0.0538 |
| 362SR200-68 | 50 | 3 5/8 | 2 | 5/8 | 1.83 | 0.0713 | 0.0678 | 600SR200-68 | 50 | 6 | 2 | 5/8 | 2.23 | 0.0713 | 0.0678 |
| 362SR200-97 | 50 | 3 5/8 | 2 | 5/8 | 2.53 | 0.1017 | 0.0967 | 600SR200-97 | 50 | 6 | 2 | 5/8 | 3.10 | 0.1017 | 0.0967 |
| 362SR250-33 | 33 | 3 5/8 | 2½ | 5/8 | 1.03 | 0.0346 | 0.0329 | 600SR250-33 | 33 | 6 | 2½ | 5/8 | 1.23 | 0.0346 | 0.0329 |
| 362SR250-43 | 33 | 3 5/8 | 2½ | 5/8 | 1.34 | 0.0451 | 0.0429 | 600SR250-43 | 33 | 6 | 2½ | 5/8 | 1.59 | 0.0451 | 0.0429 |
| 362SR250-54 | 50 | 3 5/8 | 2½ | 5/8 | 1.67 | 0.0566 | 0.0538 | 600SR250-54 | 50 | 6 | 2½ | 5/8 | 1.98 | 0.0566 | 0.0538 |
| 362SR250-68 | 50 | 3 5/8 | 2½ | 5/8 | 2.07 | 0.0713 | 0.0678 | 600SR250-68 | 50 | 6 | 2½ | 5/8 | 2.47 | 0.0713 | 0.0678 |
| 362SR250-97 | 50 | 3 5/8 | 2½ | 5/8 | 2.88 | 0.1017 | 0.0967 | 600SR250-97 | 50 | 6 | 2½ | 5/8 | 3.45 | 0.1017 | 0.0967 |
| 362SR300-33 | 33 | 3 5/8 | 3 | 5/8 | 1.15 | 0.0346 | 0.0329 | 600SR300-33 | 33 | 6 | 3 | 5/8 | 1.35 | 0.0346 | 0.0329 |
| 362SR300-43 | 33 | 3 5/8 | 3 | 5/8 | 1.49 | 0.0451 | 0.0429 | 600SR300-43 | 33 | 6 | 3 | 5/8 | 1.75 | 0.0451 | 0.0429 |
| 362SR300-54 | 50 | 3 5/8 | 3 | 5/8 | 1.86 | 0.0566 | 0.0538 | 600SR300-54 | 50 | 6 | 3 | 5/8 | 2.18 | 0.0566 | 0.0538 |
| 362SR300-68 | 50 | 3 5/8 | 3 | 5/8 | 2.32 | 0.0713 | 0.0678 | 600SR300-68 | 50 | 6 | 3 | 5/8 | 2.72 | 0.0713 | 0.0678 |
| 362SR300-97 | 50 | 3 5/8 | 3 | 5/8 | 3.22 | 0.1017 | 0.0967 | 600SR300-97 | 50 | 6 | 3 | 5/8 | 3.80 | 0.1017 | 0.0967 |
| 400SR162-33 | 33 | 4 | 1 5/8 | ½ | 0.84 | 0.0346 | 0.0329 | --- | --- | --- | --- | --- | --- | --- | --- |
| 400SR162-43 | 33 | 4 | 1 5/8 | ½ | 1.09 | 0.0451 | 0.0429 | 800SR162-43 | 33 | 8 | 1 5/8 | ½ | 1.35 | 0.0451 | 0.0429 |
| 400SR162-54 | 50 | 4 | 1 5/8 | ½ | 1.35 | 0.0566 | 0.0538 | 800SR162-54 | 50 | 8 | 1 5/8 | ½ | 1.68 | 0.0566 | 0.0538 |
| 400SR162-68 | 50 | 4 | 1 5/8 | ½ | 1.68 | 0.0713 | 0.0678 | 800SR162-68 | 50 | 8 | 1 5/8 | ½ | 2.09 | 0.0713 | 0.0678 |
| 400SR162-97 | 50 | 4 | 1 5/8 | ½ | 2.32 | 0.1017 | 0.0967 | 800SR162-97 | 50 | 8 | 1 5/8 | ½ | 2.91 | 0.1017 | 0.0967 |
| 400SR200-33 | 33 | 4 | 2 | 5/8 | 0.96 | 0.0346 | 0.0329 | --- | --- | --- | --- | --- | --- | --- | --- |
| 400SR200-43 | 33 | 4 | 2 | 5/8 | 1.24 | 0.0451 | 0.0429 | 800SR200-43 | 33 | 8 | 2 | 5/8 | 1.51 | 0.0451 | 0.0429 |
| 400SR200-54 | 50 | 4 | 2 | 5/8 | 1.55 | 0.0566 | 0.0538 | 800SR200-54 | 50 | 8 | 2 | 5/8 | 1.88 | 0.0566 | 0.0538 |
| 400SR200-68 | 50 | 4 | 2 | 5/8 | 1.92 | 0.0713 | 0.0678 | 800SR200-68 | 50 | 8 | 2 | 5/8 | 2.34 | 0.0713 | 0.0678 |
| 400SR200-97 | 50 | 4 | 2 | 5/8 | 2.66 | 0.1017 | 0.0967 | 800SR200-97 | 50 | 8 | 2 | 5/8 | 3.26 | 0.1017 | 0.0967 |
| 400SR250-33 | 33 | 4 | 2½ | 5/8 | 1.08 | 0.0346 | 0.0329 | --- | --- | --- | --- | --- | --- | --- | --- |
| 400SR250-43 | 33 | 4 | 2½ | 5/8 | 1.40 | 0.0451 | 0.0429 | 800SR250-43 | 33 | 8 | 2½ | 5/8 | 1.66 | 0.0451 | 0.0429 |
| 400SR250-54 | 50 | 4 | 2½ | 5/8 | 1.74 | 0.0566 | 0.0538 | 800SR250-54 | 50 | 8 | 2½ | 5/8 | 2.07 | 0.0566 | 0.0538 |
| 400SR250-68 | 50 | 4 | 2½ | 5/8 | 2.16 | 0.0713 | 0.0678 | 800SR250-68 | 50 | 8 | 2½ | 5/8 | 2.58 | 0.0713 | 0.0678 |
| 400SR250-97 | 50 | 4 | 2½ | 5/8 | 3.01 | 0.1017 | 0.0967 | 800SR250-97 | 50 | 8 | 2½ | 5/8 | 3.60 | 0.1017 | 0.0967 |
| 400SR300-33 | 33 | 4 | 3 | 5/8 | 1.20 | 0.0346 | 0.0329 | --- | --- | --- | --- | --- | --- | --- | --- |
| 400SR300-43 | 33 | 4 | 3 | 5/8 | 1.55 | 0.0451 | 0.0429 | 800SR300-43 | 33 | 8 | 3 | 5/8 | 1.81 | 0.0451 | 0.0429 |
| 400SR300-54 | 50 | 4 | 3 | 5/8 | 1.93 | 0.0566 | 0.0538 | 800SR300-54 | 50 | 8 | 3 | 5/8 | 2.26 | 0.0566 | 0.0538 |
| 400SR300-68 | 50 | 4 | 3 | 5/8 | 2.41 | 0.0713 | 0.0678 | 800SR300-68 | 50 | 8 | 3 | 5/8 | 2.82 | 0.0713 | 0.0678 |
| 400SR300-97 | 50 | 4 | 3 | 5/8 | 3.35 | 0.1017 | 0.0967 | 800SR300-97 | 50 | 8 | 3 | 5/8 | 3.95 | 0.1017 | 0.0967 |

[1] Table 1A members have a G60 galvanized coating in accordance with ASTM A653.
[2] Height is measured from the outside face to the outside face of the flanges.
[3] The user should check with the factory for the availability of 68 and 97 mil members.

## TABLE 2A—StudRite® NONSTRUCTURAL SECTION PROPERTIES

| Section Identification | $F_y$ (ksi) | Net Section Properties | | | | | | Net Effective Properties | | | | Torsional Properties | | | | | | $L_u$ (in.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Area ($in^2$) | $I_x$ ($in^4$) | $S_x$ ($in^3$) | $r_x$ (in.) | $I_y$ ($in^4$) | $r_y$ (in.) | $I_{xed}$ ($in^4$) | $S_{xe}$ ($in^3$) | $M_a$ (k-in) | $V_a$ (kip) | J x $10^3$ ($in^4$) | $C_w$ ($in^6$) | $x_o$ | m | $r_o$ (in.) | β | |
| 362SR125-18 | 40 | 0.100 | 0.240 | 0.132 | 1.55 | 0.0187 | 0.432 | 0.219 | 0.104 | 1.87 | 0.094 | 0.0118 | 0.0584 | -0.951 | 0.532 | 1.87 | 0.740 | 25.6 |
| 362SR125-30 | 40 | 0.165 | 0.392 | 0.216 | 1.54 | 0.0300 | 0.426 | 0.383 | 0.188 | 3.84 | 0.219 | 0.0535 | 0.0929 | -0.938 | 0.524 | 1.85 | 0.744 | 25.4 |
| 362SR125-33 | 40 | 0.182 | 0.432 | 0.239 | 1.54 | 0.0329 | 0.425 | 0.424 | 0.214 | 4.43 | 0.262 | 0.0727 | 0.102 | -0.934 | 0.522 | 1.85 | 0.745 | 25.3 |
| 362SR125-43 | 40 | 0.235 | 0.556 | 0.307 | 1.54 | 0.0416 | 0.420 | 0.556 | 0.293 | 6.38 | 0.419 | 0.160 | 0.128 | -0.923 | 0.515 | 1.84 | 0.749 | 25.2 |
| 400SR125-18 | 40 | 0.107 | 0.302 | 0.151 | 1.68 | 0.0199 | 0.430 | 0.277 | 0.120 | 2.09 | 0.094 | 0.0127 | 0.0735 | -0.904 | 0.512 | 1.95 | 0.786 | 25.8 |
| 400SR125-30 | 40 | 0.176 | 0.494 | 0.247 | 1.67 | 0.0318 | 0.425 | 0.483 | 0.216 | 4.30 | 0.219 | 0.0573 | 0.117 | -0.891 | 0.504 | 1.94 | 0.790 | 25.5 |
| 400SR125-33 | 40 | 0.195 | 0.545 | 0.273 | 1.67 | 0.0350 | 0.423 | 0.535 | 0.246 | 4.98 | 0.262 | 0.0779 | 0.128 | -0.887 | 0.502 | 1.94 | 0.791 | 25.5 |
| 400SR125-43 | 40 | 0.252 | 0.701 | 0.350 | 1.67 | 0.0442 | 0.419 | 0.701 | 0.336 | 7.20 | 0.419 | 0.171 | 0.161 | -0.877 | 0.496 | 1.93 | 0.794 | 25.3 |
| 600SR125-18 | 40 | 0.119 | 0.776 | 0.259 | 2.55 | 0.0216 | 0.426 | 0.718 | 0.210 | 2.93 | 0.094 | 0.0141 | 0.180 | -0.799 | 0.459 | 2.71 | 0.913 | 25.1 |
| 600SR125-30 | 40 | 0.197 | 1.270 | 0.424 | 2.54 | 0.0347 | 0.420 | 1.250 | 0.376 | 6.25 | 0.219 | 0.0638 | 0.287 | -0.786 | 0.451 | 2.70 | 0.915 | 24.9 |
| 600SR125-33 | 40 | 0.217 | 1.410 | 0.468 | 2.54 | 0.0381 | 0.419 | 1.380 | 0.427 | 7.29 | 0.262 | 0.0868 | 0.315 | -0.783 | 0.449 | 2.69 | 0.915 | 24.8 |
| 600SR125-43 | 40 | 0.281 | 1.810 | 0.604 | 2.54 | 0.0482 | 0.414 | 1.810 | 0.580 | 10.8 | 0.419 | 0.191 | 0.397 | -0.773 | 0.443 | 2.68 | 0.917 | 24.6 |

## TABLE 2B—StudRite® STRUCTURAL SECTION PROPERTIES

| Section Identification | $F_y$ (ksi) | Net Section Properties | | | | | | Net Effective Properties | | | | Torsional Properties | | | | | | $L_u$ (in.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Area ($in^2$) | $I_x$ ($in^4$) | $S_x$ ($in^3$) | $r_x$ (in.) | $I_y$ ($in^4$) | $r_y$ (in.) | $I_{xed}$ ($in^4$) | $S_{xe}$ ($in^3$) | $M_a$ (k-in) | $V_a$ (kip) | J x $10^3$ ($in^4$) | $C_w$ ($in^6$) | $x_o$ | m | $r_o$ (in.) | β | |
| 362SR162-33 | 33 | 0.225 | 0.552 | 0.305 | 1.56 | 0.081 | 0.599 | 0.552 | 0.291 | 5.8 | 0.216 | 0.090 | 0.288 | -1.45 | 0.809 | 2.21 | 0.573 | 40.1 |
| 362SR162-43 | 33 | 0.292 | 0.711 | 0.392 | 1.56 | 0.103 | 0.595 | 0.711 | 0.392 | 7.8 | 0.346 | 0.198 | 0.364 | -1.44 | 0.802 | 2.20 | 0.575 | 40.0 |
| 362SR162-54 | 50 | 0.361 | 0.874 | 0.482 | 1.56 | 0.125 | 0.588 | 0.874 | 0.467 | 14.0 | 0.791 | 0.385 | 0.443 | -1.42 | 0.795 | 2.19 | 0.577 | 32.3 |
| 362SR162-68 | 50 | 0.446 | 1.070 | 0.590 | 1.55 | 0.150 | 0.580 | 1.070 | 0.590 | 17.7 | 1.210 | 0.756 | 0.535 | -1.41 | 0.785 | 2.17 | 0.580 | 32.2 |
| 362SR162-97 | 50 | 0.610 | 1.430 | 0.791 | 1.53 | 0.192 | 0.561 | 1.430 | 0.791 | 23.7 | 2.360 | 2.100 | 0.699 | -1.37 | 0.766 | 2.13 | 0.586 | 32.1 |
| 362SR200-33 | 33 | 0.260 | 0.649 | 0.358 | 1.58 | 0.146 | 0.748 | 0.638 | 0.319 | 6.3 | 0.216 | 0.104 | 0.562 | -1.89 | 1.05 | 2.58 | 0.460 | 50.6 |
| 362SR200-43 | 33 | 0.337 | 0.837 | 0.462 | 1.58 | 0.186 | 0.744 | 0.837 | 0.448 | 8.9 | 0.346 | 0.228 | 0.714 | -1.88 | 1.05 | 2.57 | 0.462 | 50.5 |
| 362SR200-54 | 50 | 0.417 | 1.030 | 0.569 | 1.57 | 0.227 | 0.738 | 1.030 | 0.515 | 15.4 | 0.791 | 0.446 | 0.871 | -1.87 | 1.04 | 2.55 | 0.463 | 40.8 |
| 362SR200-68 | 50 | 0.517 | 1.270 | 0.698 | 1.56 | 0.275 | 0.729 | 1.270 | 0.683 | 20.4 | 1.210 | 0.877 | 1.060 | -1.85 | 1.03 | 2.53 | 0.465 | 40.8 |
| 362SR200-97 | 50 | 0.712 | 1.710 | 0.944 | 1.55 | 0.360 | 0.711 | 1.710 | 0.944 | 28.3 | 2.360 | 2.460 | 1.400 | -1.82 | 1.01 | 2.49 | 0.468 | 40.8 |
| 362SR250-33 | 33 | 0.295 | 0.761 | 0.420 | 1.61 | 0.250 | 0.922 | 0.716 | 0.342 | 6.8 | 0.216 | 0.118 | 0.940 | -2.38 | 1.31 | 3.01 | 0.378 | 60.9 |
| 362SR250-43 | 33 | 0.382 | 0.981 | 0.541 | 1.60 | 0.321 | 0.917 | 0.974 | 0.472 | 9.3 | 0.346 | 0.259 | 1.200 | -2.37 | 1.30 | 3.00 | 0.379 | 60.8 |
| 362SR250-54 | 50 | 0.474 | 1.210 | 0.668 | 1.60 | 0.393 | 0.911 | 1.160 | 0.541 | 16.2 | 0.791 | 0.506 | 1.470 | -2.35 | 1.29 | 2.99 | 0.379 | 49.2 |
| 362SR250-68 | 50 | 0.589 | 1.490 | 0.823 | 1.59 | 0.478 | 0.902 | 1.480 | 0.708 | 21.2 | 1.210 | 1.000 | 1.790 | -2.34 | 1.28 | 2.97 | 0.380 | 49.2 |
| 362SR250-97 | 50 | 0.814 | 2.030 | 1.120 | 1.58 | 0.634 | 0.882 | 2.030 | 1.070 | 32.1 | 2.360 | 2.810 | 2.390 | -2.30 | 1.26 | 2.93 | 0.382 | 49.3 |
| 362SR300-33 | 33 | 0.329 | 0.872 | 0.481 | 1.63 | 0.392 | 1.090 | 0.781 | 0.356 | 7.0 | 0.216 | 0.131 | 1.440 | -2.86 | 1.56 | 3.47 | 0.319 | 70.8 |
| 362SR300-43 | 33 | 0.427 | 1.130 | 0.621 | 1.62 | 0.504 | 1.090 | 1.060 | 0.484 | 9.6 | 0.346 | 0.289 | 1.840 | -2.85 | 1.56 | 3.46 | 0.319 | 70.7 |
| 362SR300-54 | 50 | 0.531 | 1.390 | 0.768 | 1.62 | 0.618 | 1.080 | 1.260 | 0.558 | 16.7 | 0.791 | 0.567 | 2.260 | -2.84 | 1.55 | 3.44 | 0.320 | 57.3 |
| 362SR300-68 | 50 | 0.660 | 1.720 | 0.947 | 1.61 | 0.755 | 1.070 | 1.620 | 0.737 | 22.1 | 1.210 | 1.120 | 2.770 | -2.82 | 1.54 | 3.42 | 0.320 | 57.3 |
| 362SR300-97 | 50 | 0.916 | 2.340 | 1.290 | 1.60 | 1.010 | 1.050 | 2.310 | 1.170 | 34.9 | 2.360 | 3.160 | 3.710 | -2.79 | 1.52 | 3.38 | 0.320 | 57.5 |
| 400SR162-33 | 33 | 0.236 | 0.692 | 0.346 | 1.71 | 0.085 | 0.600 | 0.692 | 0.332 | 6.6 | 0.216 | 0.094 | 0.354 | -1.39 | 0.784 | 2.29 | 0.629 | 40.1 |
| 400SR162-43 | 33 | 0.305 | 0.892 | 0.446 | 1.71 | 0.109 | 0.596 | 0.892 | 0.446 | 8.8 | 0.346 | 0.207 | 0.449 | -1.38 | 0.777 | 2.28 | 0.631 | 39.9 |
| 400SR162-54 | 50 | 0.378 | 1.098 | 0.549 | 1.70 | 0.132 | 0.590 | 1.100 | 0.532 | 15.9 | 0.791 | 0.404 | 0.546 | -1.37 | 0.770 | 2.26 | 0.634 | 32.2 |
| 400SR162-68 | 50 | 0.468 | 1.350 | 0.673 | 1.70 | 0.158 | 0.581 | 1.350 | 0.673 | 20.1 | 1.210 | 0.793 | 0.661 | -1.35 | 0.760 | 2.25 | 0.637 | 32.1 |
| 400SR162-97 | 50 | 0.642 | 1.810 | 0.905 | 1.68 | 0.203 | 0.563 | 1.810 | 0.905 | 27.1 | 2.360 | 2.210 | 0.867 | -1.32 | 0.741 | 2.21 | 0.644 | 31.9 |
| 400SR200-33 | 33 | 0.271 | 0.812 | 0.406 | 1.73 | 0.153 | 0.752 | 0.798 | 0.363 | 7.2 | 0.216 | 0.108 | 0.682 | -1.83 | 1.02 | 2.63 | 0.515 | 50.4 |
| 400SR200-43 | 33 | 0.350 | 1.050 | 0.524 | 1.73 | 0.196 | 0.747 | 1.050 | 0.509 | 10.1 | 0.346 | 0.238 | 0.867 | -1.82 | 1.02 | 2.62 | 0.517 | 50.3 |
| 400SR200-54 | 50 | 0.435 | 1.290 | 0.646 | 1.72 | 0.239 | 0.741 | 1.290 | 0.585 | 17.5 | 0.791 | 0.464 | 1.060 | -1.81 | 1.01 | 2.61 | 0.518 | 40.7 |
| 400SR200-68 | 50 | 0.539 | 1.590 | 0.794 | 1.72 | 0.289 | 0.732 | 1.590 | 0.776 | 23.2 | 1.210 | 0.913 | 1.290 | -1.79 | 1.00 | 2.59 | 0.520 | 40.6 |
| 400SR200-97 | 50 | 0.743 | 2.150 | 1.080 | 1.70 | 0.379 | 0.714 | 2.150 | 1.080 | 32.2 | 2.360 | 2.560 | 1.710 | -1.76 | 0.981 | 2.55 | 0.525 | 40.5 |
| 400SR250-33 | 33 | 0.305 | 0.948 | 0.474 | 1.76 | 0.262 | 0.927 | 0.894 | 0.388 | 7.7 | 0.216 | 0.122 | 1.140 | -2.31 | 1.28 | 3.05 | 0.426 | 60.8 |
| 400SR250-43 | 33 | 0.396 | 1.220 | 0.612 | 1.76 | 0.336 | 0.922 | 1.220 | 0.535 | 10.6 | 0.346 | 0.268 | 1.460 | -2.30 | 1.27 | 3.04 | 0.428 | 60.7 |
| 400SR250-54 | 50 | 0.491 | 1.510 | 0.756 | 1.75 | 0.412 | 0.915 | 1.450 | 0.615 | 18.4 | 0.791 | 0.525 | 1.790 | -2.29 | 1.26 | 3.02 | 0.428 | 49.1 |
| 400SR250-68 | 50 | 0.610 | 1.860 | 0.932 | 1.75 | 0.502 | 0.907 | 1.840 | 0.803 | 24.1 | 1.210 | 1.030 | 2.180 | -2.27 | 1.25 | 3.00 | 0.430 | 49.0 |
| 400SR250-97 | 50 | 0.845 | 2.540 | 1.270 | 1.73 | 0.666 | 0.888 | 2.540 | 1.220 | 36.4 | 2.360 | 2.910 | 2.920 | -2.23 | 1.23 | 2.96 | 0.432 | 49.0 |
| 400SR300-33 | 33 | 0.340 | 1.080 | 0.542 | 1.79 | 0.409 | 1.100 | 0.974 | 0.404 | 8.0 | 0.216 | 0.136 | 1.750 | -2.79 | 1.53 | 3.49 | 0.361 | 70.7 |
| 400SR300-43 | 33 | 0.441 | 1.400 | 0.700 | 1.78 | 0.526 | 1.090 | 1.320 | 0.549 | 10.8 | 0.346 | 0.299 | 2.240 | -2.78 | 1.52 | 3.48 | 0.361 | 70.6 |
| 400SR300-54 | 50 | 0.548 | 1.730 | 0.866 | 1.78 | 0.646 | 1.090 | 1.570 | 0.634 | 19.0 | 0.791 | 0.585 | 2.750 | -2.77 | 1.52 | 3.46 | 0.362 | 57.2 |
| 400SR300-68 | 50 | 0.682 | 2.140 | 1.070 | 1.77 | 0.790 | 1.080 | 2.020 | 0.836 | 25.0 | 1.210 | 1.160 | 3.370 | -2.75 | 1.51 | 3.44 | 0.362 | 57.1 |
| 400SR300-97 | 50 | 0.947 | 2.930 | 1.460 | 1.76 | 1.06 | 1.060 | 2.880 | 1.320 | 39.6 | 2.360 | 3.260 | 4.530 | -2.71 | 1.49 | 3.40 | 0.363 | 57.2 |
| 600SR162-33 | 33 | 0.261 | 1.76 | 0.585 | 2.59 | 0.947 | 0.603 | 1.76 | 0.563 | 11.1 | 0.216 | 0.104 | 0.82 | -1.26 | 0.713 | 2.95 | 0.818 | 38.9 |
| 600SR162-43 | 33 | 0.338 | 2.27 | 0.756 | 2.59 | 0.121 | 0.598 | 2.27 | 0.756 | 14.9 | 0.346 | 0.229 | 1.04 | -1.25 | 0.707 | 2.94 | 0.820 | 38.7 |
| 600SR162-54 | 50 | 0.419 | 2.80 | 0.933 | 2.58 | 0.147 | 0.592 | 2.80 | 0.903 | 27.0 | 0.791 | 0.447 | 1.27 | -1.23 | 0.700 | 2.92 | 0.822 | 31.2 |
| 600SR162-68 | 50 | 0.520 | 3.45 | 1.150 | 2.58 | 0.177 | 0.583 | 3.45 | 1.150 | 34.4 | 1.210 | 0.880 | 1.54 | -1.22 | 0.691 | 2.91 | 0.825 | 31.0 |
| 600SR162-97 | 50 | 0.717 | 4.68 | 1.560 | 2.56 | 0.228 | 0.565 | 4.68 | 1.560 | 46.7 | 2.360 | 2.470 | 2.03 | -1.18 | 0.673 | 2.87 | 0.831 | 30.6 |

Table 2 continued on next page.

## TABLE 2B—StudRite® STRUCTURAL SECTION PROPERTIES (Continued)

| Section Identification | $F_y$ (ksi) | Net Section Properties | | | | | | Net Effective Properties | | | | Torsional Properties | | | | | | $L_u$ (in.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Area ($in^2$) | $I_x$ ($in^4$) | $S_x$ ($in^3$) | $r_x$ (in.) | $I_y$ ($in^4$) | $r_y$ (in.) | $I_{xed}$ ($in^4$) | $S_{xe}$ ($in^3$) | $M_a$ (k-in) | $V_a$ (kip) | J x $10^3$ ($in^4$) | $C_w$ ($in^6$) | $x_o$ | m | $r_o$ (in.) | β | |
| 600SR200-33 | 33 | 0.295 | 2.04 | 0.679 | 2.63 | 0.170 | 0.758 | 2.01 | 0.611 | 12.1 | 0.216 | 0.118 | 1.51 | -1.67 | 0.943 | 3.21 | 0.727 | 48.8 |
| 600SR200-43 | 33 | 0.383 | 2.63 | 0.878 | 2.62 | 0.218 | 0.754 | 2.63 | 0.854 | 16.9 | 0.346 | 0.260 | 1.93 | -1.66 | 0.936 | 3.20 | 0.729 | 48.6 |
| 600SR200-54 | 50 | 0.476 | 3.26 | 1.090 | 2.62 | 0.266 | 0.748 | 3.26 | 0.985 | 29.5 | 0.791 | 0.508 | 2.37 | -1.65 | 0.929 | 3.18 | 0.731 | 39.3 |
| 600SR200-68 | 50 | 0.591 | 4.02 | 1.340 | 2.61 | 0.323 | 0.739 | 4.02 | 1.310 | 39.1 | 1.210 | 1.000 | 2.89 | -1.63 | 0.920 | 3.17 | 0.734 | 39.1 |
| 600SR200-97 | 50 | 0.818 | 5.50 | 1.830 | 2.59 | 0.426 | 0.721 | 5.50 | 1.830 | 54.9 | 2.360 | 2.820 | 3.87 | -1.60 | 0.901 | 3.13 | 0.739 | 38.7 |
| 600SR250-43 | 33 | 0.428 | 3.03 | 1.010 | 2.66 | 0.372 | 0.933 | 3.01 | 0.891 | 17.6 | 0.346 | 0.290 | 3.25 | -2.12 | 1.18 | 3.53 | 0.638 | 58.9 |
| 600SR250-54 | 50 | 0.532 | 3.76 | 1.250 | 2.66 | 0.457 | 0.926 | 3.60 | 1.030 | 30.8 | 0.791 | 0.568 | 3.99 | -2.11 | 1.18 | 3.52 | 0.640 | 47.7 |
| 600SR250-68 | 50 | 0.662 | 4.65 | 1.550 | 2.65 | 0.557 | 0.917 | 4.59 | 1.340 | 40.1 | 1.210 | 1.120 | 4.89 | -2.09 | 1.17 | 3.50 | 0.642 | 47.5 |
| 600SR250-97 | 50 | 0.920 | 6.38 | 2.130 | 2.63 | 0.744 | 0.899 | 6.38 | 2.030 | 60.8 | 2.360 | 3.170 | 6.60 | -2.06 | 1.15 | 3.46 | 0.647 | 47.2 |
| 600SR300-33 | 33 | 0.364 | 2.65 | 0.884 | 2.70 | 0.450 | 1.110 | 2.41 | 0.673 | 13.3 | 0.216 | 0.145 | 3.90 | -2.61 | 1.44 | 3.91 | 0.557 | 69.1 |
| 600SR300-43 | 33 | 0.473 | 3.43 | 1.140 | 2.69 | 0.579 | 1.110 | 3.25 | 0.910 | 18.0 | 0.346 | 0.321 | 4.99 | -2.59 | 1.43 | 3.90 | 0.558 | 68.9 |
| 600SR300-54 | 50 | 0.589 | 4.26 | 1.420 | 2.69 | 0.713 | 1.100 | 3.87 | 1.060 | 31.6 | 0.791 | 0.629 | 6.15 | -2.58 | 1.42 | 3.89 | 0.559 | 55.8 |
| 600SR300-68 | 50 | 0.733 | 5.27 | 1.760 | 2.68 | 0.873 | 1.090 | 4.98 | 1.390 | 41.6 | 1.210 | 1.240 | 7.56 | -2.56 | 1.41 | 3.87 | 0.561 | 55.6 |
| 600SR300-97 | 50 | 1.020 | 7.27 | 2.420 | 2.67 | 1.170 | 1.070 | 7.14 | 2.190 | 65.5 | 2.360 | 3.520 | 10.30 | -2.53 | 1.39 | 3.83 | 0.564 | 55.4 |
| 800SR162-43 | 33 | 0.335 | 4.37 | 1.09 | 3.61 | 0.112 | 0.577 | 4.37 | 1.09 | 21.6 | 0.346 | 0.227 | 1.86 | -1.27 | 0.676 | 3.87 | 0.892 | 36.5 |
| 800SR162-54 | 50 | 0.415 | 5.40 | 1.35 | 3.60 | 0.135 | 0.571 | 5.40 | 1.31 | 39.1 | 0.791 | 0.444 | 2.28 | -1.26 | 0.669 | 3.86 | 0.894 | 29.4 |
| 800SR162-68 | 50 | 0.514 | 6.65 | 1.66 | 3.60 | 0.163 | 0.562 | 6.65 | 1.66 | 49.8 | 1.210 | 0.871 | 2.77 | -1.24 | 0.661 | 3.85 | 0.896 | 29.2 |
| 800SR162-97 | 50 | 0.705 | 9.05 | 2.26 | 3.58 | 0.209 | 0.544 | 9.05 | 2.26 | 67.8 | 2.360 | 2.43 | 3.68 | -1.21 | 0.643 | 3.82 | 0.900 | 28.6 |
| 800SR200-43 | 33 | 0.380 | 5.04 | 1.26 | 3.64 | 0.201 | 0.727 | 5.04 | 1.23 | 24.2 | 0.346 | 0.258 | 3.41 | -1.68 | 0.899 | 4.07 | 0.830 | 45.8 |
| 800SR200-54 | 50 | 0.472 | 6.23 | 1.56 | 3.63 | 0.246 | 0.721 | 6.23 | 1.41 | 42.3 | 0.791 | 0.504 | 4.19 | -1.66 | 0.892 | 4.06 | 0.832 | 37.0 |
| 800SR200-68 | 50 | 0.585 | 7.70 | 1.93 | 3.63 | 0.297 | 0.713 | 7.70 | 1.87 | 56.1 | 1.210 | 0.992 | 5.13 | -1.65 | 0.883 | 4.05 | 0.834 | 36.8 |
| 800SR200-97 | 50 | 0.807 | 10.50 | 2.64 | 3.61 | 0.390 | 0.695 | 10.5 | 2.64 | 78.9 | 2.360 | 2.780 | 6.88 | -1.62 | 0.865 | 4.02 | 0.838 | 36.3 |
| 800SR250-43 | 33 | 0.426 | 5.75 | 1.44 | 3.68 | 0.348 | 0.904 | 5.71 | 1.27 | 25.1 | 0.346 | 0.289 | 5.75 | -2.13 | 1.14 | 4.34 | 0.760 | 56.0 |
| 800SR250-54 | 50 | 0.529 | 7.12 | 1.78 | 3.67 | 0.426 | 0.897 | 6.83 | 1.47 | 43.9 | 0.791 | 0.565 | 7.07 | -2.12 | 1.13 | 4.33 | 0.761 | 45.3 |
| 800SR250-68 | 50 | 0.656 | 8.82 | 2.21 | 3.67 | 0.518 | 0.888 | 8.70 | 1.91 | 57.1 | 1.210 | 1.110 | 8.69 | -2.10 | 1.13 | 4.32 | 0.763 | 45.0 |
| 800SR250-97 | 50 | 0.908 | 12.10 | 3.03 | 3.65 | 0.687 | 0.870 | 12.1 | 2.89 | 86.5 | 2.360 | 3.130 | 11.8 | -2.07 | 1.11 | 4.29 | 0.767 | 44.6 |
| 800SR300-43 | 33 | 0.471 | 6.46 | 1.62 | 3.71 | 0.546 | 1.080 | 6.13 | 1.29 | 25.5 | 0.346 | 0.319 | 8.85 | -2.59 | 1.39 | 4.65 | 0.689 | 65.8 |
| 800SR300-54 | 50 | 0.585 | 8.02 | 2.00 | 3.70 | 0.670 | 1.070 | 7.31 | 1.50 | 44.8 | 0.791 | 0.625 | 10.9 | -2.58 | 1.38 | 4.64 | 0.690 | 53.3 |
| 800SR300-68 | 50 | 0.728 | 9.94 | 2.49 | 3.70 | 0.820 | 1.060 | 9.39 | 1.97 | 58.9 | 1.210 | 1.230 | 13.4 | -2.56 | 1.37 | 4.62 | 0.692 | 53.0 |
| 800SR300-97 | 50 | 1.010 | 13.70 | 3.43 | 3.68 | 1.100 | 1.040 | 13.50 | 3.09 | 92.6 | 2.360 | 3.480 | 18.3 | -2.53 | 1.35 | 4.59 | 0.696 | 52.6 |

## TABLE 3A—LIMITING HEIGHTS OF NONCOMPOSITE NONSTRUCTURAL STUDS (ft-in)

| MEMBER | Spacing (in. o.c.) | FULLY BRACED | | | | | | | | | STUDS BRACED AT 4 FEET O.C. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 psf | | | 7.5 psf | | | 10 psf | | | 5 psf | | | 7.5 psf | | | 10 psf | | |
| | | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 |
| 362RS125-18 | 12 | 16-1 | 14-2 | 12-4 | 13-1 | 12-4 | 10-9 | 11-4 | 11-3 | 9-10 | 15-6 | 14-2 | 12-4 | 12-8 | 12-4 | 10-9 | 11-0 | 11-0 | 9-10 |
| | 16 | 13-10 | 12-10 | 11-3 | 11-4 | 11-3 | 9-10 | 9-9 | 9-9 | 9-0 | 13-4 | 12-10 | 11-3 | 11-0 | 11-0 | 9-10 | 9-6 | 9-6 | 9-0 |
| | 24 | 11-4 | 11-3 | 9-10 | 9-3 | 9-3 | 8-7 | 8-0 | 8-0 | 7-9 | 11-0 | 11-0 | 9-10 | 8-10 | 8-10 | 8-7 | 7-8 | 7-8 | 7-8 |
| 362SR125-30 | 12 | 21-7 | 17-1 | 15-0 | 18-9 | 15-0 | 13-1 | 16-3 | 13-7 | 11-10 | 20-9 | 17-1 | 15-0 | 17-0 | 15-0 | 13-1 | 14-8 | 13-7 | 11-10 |
| | 16 | 19-7 | 15-7 | 13-7 | 16-3 | 13-7 | 11-10 | 14-1 | 12-3 | 10-9 | 18-0 | 15-7 | 13-7 | 14-8 | 13-7 | 11-10 | 12-8 | 12-3 | 10-9 |
| | 24 | 16-3 | 13-7 | 11-10 | 13-3 | 11-10 | 10-4 | 11-6 | 10-9 | 9-4 | 14-8 | 13-7 | 11-10 | 12-0 | 11-10 | 10-4 | 10-4 | 10-4 | 9-4 |
| 362SR125-33 | 12 | 22-3 | 17-8 | 15-6 | 19-6 | 15-6 | 13-6 | 17-6 | 14-1 | 12-3 | 22-2 | 17-8 | 15-6 | 18-1 | 15-6 | 13-6 | 15-8 | 14-1 | 12-3 |
| | 16 | 20-3 | 16-1 | 14-1 | 17-6 | 14-1 | 12-3 | 15-2 | 12-9 | 11-2 | 19-2 | 16-1 | 14-1 | 15-8 | 14-1 | 12-3 | 13-7 | 12-9 | 11-2 |
| | 24 | 17-6 | 14-1 | 12-3 | 14-3 | 12-3 | 10-8 | 12-4 | 11-2 | 9-8 | 15-8 | 14-1 | 12-3 | 12-9 | 12-3 | 10-8 | 11-1 | 11-1 | 9-8 |
| 362SR125-43 | 12 | 24-4 | 19-4 | 16-10 | 21-3 | 16-10 | 14-9 | 19-4 | 15-4 | 13-4 | 24-4 | 19-4 | 16-10 | 21-2 | 16-10 | 14-9 | 18-4 | 15-4 | 13-4 |
| | 16 | 22-2 | 17-7 | 15-4 | 19-4 | 15-4 | 13-4 | 17-7 | 14-0 | 12-2 | 22-2 | 17-7 | 15-4 | 18-4 | 15-4 | 13-4 | 15-10 | 14-0 | 12-2 |
| | 24 | 19-4 | 15-4 | 13-4 | 16-10 | 13-4 | 11-8 | 14-9 | 12-2 | 10-8 | 18-4 | 15-4 | 13-4 | 15-0 | 13-4 | 11-8 | 13-0 | 12-2 | 10-8 |
| 400SR125-18 | 12 | 16-10 | 15-4 | 13-4 | 13-9 | 13-4 | 11-8 | 11-10 | 11-10 | 10-8 | 16-8 | 15-4 | 13-4 | 13-7 | 13-4 | 11-8 | 11-9 | 11-9 | 10-8 |
| | 16 | 14-7 | 14-0 | 12-2 | 11-10 | 11-10 | 10-8 | 10-3 | 10-3 | 9-8 | 14-4 | 14-0 | 12-2 | 11-9 | 11-9 | 10-8 | 10-2 | 10-2 | 9-8 |
| | 24 | 11-10 | 11-10 | 10-8 | 9-9 | 9-9 | 9-3 | 8-4 | 8-4 | 8-4 | 11-9 | 11-9 | 10-8 | 9-7 | 9-7 | 9-3 | 8-3 | 8-3 | 8-3 |
| 400SR125-30 | 12 | 23-3 | 18-6 | 16-2 | 19-9 | 16-2 | 14-1 | 17-2 | 14-8 | 12-9 | 22-3 | 18-6 | 16-2 | 18-2 | 16-2 | 14-1 | 15-9 | 14-8 | 12-9 |
| | 16 | 21-0 | 16-9 | 14-8 | 17-2 | 14-8 | 12-9 | 14-10 | 13-3 | 11-8 | 19-3 | 16-9 | 14-8 | 15-9 | 14-8 | 12-9 | 13-8 | 13-3 | 11-8 |
| | 24 | 17-2 | 14-8 | 12-9 | 14-0 | 12-9 | 11-2 | 12-1 | 11-8 | 10-2 | 15-9 | 14-8 | 12-9 | 12-10 | 12-9 | 11-2 | 11-2 | 11-2 | 10-2 |
| 400SR125-33 | 12 | 24-1 | 19-1 | 16-8 | 21-1 | 16-8 | 14-7 | 18-6 | 15-2 | 13-3 | 23-9 | 19-1 | 16-8 | 19-4 | 16-8 | 14-7 | 16-9 | 15-2 | 13-3 |
| | 16 | 21-10 | 17-4 | 15-2 | 18-6 | 15-2 | 13-3 | 16-0 | 13-9 | 12-1 | 20-7 | 17-4 | 15-2 | 16-9 | 15-2 | 13-3 | 14-7 | 13-9 | 12-1 |
| | 24 | 18-6 | 15-2 | 13-3 | 15-1 | 13-3 | 11-7 | 13-1 | 12-1 | 10-6 | 16-9 | 15-2 | 13-3 | 13-9 | 13-3 | 11-7 | 11-10 | 11-10 | 10-6 |
| 400SR125-43 | 12 | 26-4 | 20-10 | 18-3 | 23-1 | 18-3 | 16-0 | 20-10 | 16-7 | 14-6 | 26-4 | 20-10 | 18-3 | 22-8 | 18-3 | 16-0 | 19-8 | 16-7 | 14-6 |
| | 16 | 24-0 | 19-0 | 16-7 | 20-10 | 16-7 | 14-6 | 19-0 | 15-1 | 13-2 | 24-0 | 19-0 | 16-7 | 19-8 | 16-7 | 14-6 | 17-0 | 15-1 | 13-2 |
| | 24 | 20-10 | 16-7 | 14-6 | 18-1 | 14-6 | 12-8 | 15-8 | 13-2 | 11-6 | 19-8 | 16-7 | 14-6 | 16-1 | 14-6 | 12-8 | 13-10 | 13-2 | 11-6 |
| 600SR125-18 | 12 | 20-2 | 20-2 | 18-4 | 16-6 | 16-6 | 16-1 | 14-3 | 14-3 | 14-3 | 20-2 | 20-2 | 18-4 | 16-6 | 16-6 | 16-1 | 14-3 | 14-3 | 14-3 |
| | 16 | 17-6 | 17-6 | 16-9 | 14-3 | 14-3 | 14-3 | 12-4 | 12-4 | 12-4 | 17-6 | 17-6 | 16-9 | 14-3 | 14-3 | 14-3 | 12-4 | 12-4 | 12-4 |
| | 24 | 14-3 | 14-3 | 14-3 | 11-7 | 11-7 | 11-7 | 9-4 | 9-4 | 9-4 | 14-3 | 14-3 | 14-3 | 11-7 | 11-7 | 11-7 | 9-4 | 9-4 | 9-4 |
| 600SR125-30 | 12 | 29-6 | 25-4 | 22-2 | 24-1 | 22-2 | 19-4 | 20-9 | 20-2 | 17-7 | 29-0 | 25-4 | 22-2 | 23-8 | 22-2 | 19-4 | 20-6 | 20-2 | 17-7 |
| | 16 | 25-6 | 23-1 | 20-2 | 20-9 | 20-2 | 17-7 | 18-0 | 18-0 | 16-0 | 25-1 | 23-1 | 20-2 | 20-6 | 20-2 | 17-7 | 17-9 | 17-9 | 16-0 |
| | 24 | 20-9 | 20-2 | 17-7 | 17-0 | 17-0 | 15-4 | 14-8 | 14-8 | 14-0 | 20-6 | 20-2 | 17-7 | 16-8 | 16-8 | 15-4 | 14-6 | 14-6 | 14-0 |
| 600SR125-33 | 12 | 31-9 | 26-3 | 22-10 | 26-0 | 22-10 | 20-0 | 22-6 | 20-9 | 18-2 | 30-10 | 26-3 | 22-10 | 25-2 | 22-10 | 20-0 | 21-9 | 20-9 | 18-2 |
| | 16 | 27-7 | 23-10 | 20-9 | 22-6 | 20-9 | 18-2 | 19-6 | 18-10 | 16-6 | 26-8 | 23-10 | 20-9 | 21-9 | 20-9 | 18-2 | 18-10 | 18-10 | 16-6 |
| | 24 | 22-6 | 20-9 | 18-2 | 18-4 | 18-2 | 15-10 | 15-10 | 15-10 | 14-4 | 21-9 | 20-9 | 18-2 | 17-9 | 17-9 | 15-10 | 15-4 | 15-4 | 14-4 |
| 600SR125-43 | 12 | 36-2 | 28-8 | 25-1 | 31-7 | 25-1 | 21-10 | 27-4 | 22-9 | 19-10 | 35-9 | 28-8 | 25-1 | 29-3 | 25-1 | 21-10 | 25-3 | 22-9 | 19-10 |
| | 16 | 32-10 | 26-1 | 22-9 | 27-4 | 22-9 | 19-10 | 23-8 | 20-8 | 18-1 | 31-0 | 26-1 | 22-9 | 25-3 | 22-9 | 19-10 | 21-10 | 20-8 | 18-1 |
| | 24 | 27-4 | 22-9 | 19-10 | 22-4 | 19-10 | 17-4 | 19-4 | 18-1 | 15-9 | 25-3 | 22-9 | 19-10 | 20-8 | 19-10 | 17-4 | 17-10 | 17-10 | 15-9 |

## TABLE 3B—LIMITING HEIGHTS OF NONCOMPOSITE STRUCTURAL STUDS (ft-in)

| MEMBER | Spacing (in. o.c.) | FULLY BRACED | | | | | | | | | MEMBER | FULLY BRACED | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 psf | | | 7.5 psf | | | 10 psf | | | | 5 psf | | | 7.5 psf | | | 10 psf | | |
| | | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 |
| 362RS162-33 | 12 | 24-2 | 19-2 | 16-9 | 21-2 | 16-9 | 14-8 | 19-2 | 15-3 | 13-3 | 400SR162-33 | 26-2 | 20-9 | 18-1 | 22-10 | 18-1 | 15-9 | 20-9 | 16-6 | 14-4 |
| | 16 | 22-0 | 17-6 | 15-3 | 19-2 | 15-3 | 13-3 | 16-9 | 13-10 | 12-1 | | 23-9 | 18-10 | 16-6 | 20-9 | 16-6 | 14-4 | 18-0 | 15-0 | 13-1 |
| | 24 | 19-2 | 15-3 | 13-3 | 15-10 | 13-3 | 11-8 | 13-8 | 12-1 | 10-7 | | 20-9 | 16-6 | 14-4 | 16-10 | 14-4 | 12-7 | 14-8 | 13-1 | 11-4 |
| 362SR162-43 | 12 | 26-4 | 20-10 | 18-3 | 23-0 | 18-3 | 16-0 | 20-10 | 16-7 | 14-6 | 400SR162-43 | 28-6 | 22-7 | 19-8 | 24-10 | 19-8 | 17-2 | 22-7 | 17-10 | 15-8 |
| | 16 | 24-0 | 19-0 | 16-7 | 20-10 | 16-7 | 14-6 | 19-0 | 15-1 | 13-2 | | 25-10 | 20-6 | 17-10 | 22-7 | 17-10 | 15-8 | 20-6 | 16-3 | 14-2 |
| | 24 | 20-10 | 16-7 | 14-6 | 18-3 | 14-6 | 12-8 | 15-10 | 13-2 | 11-6 | | 22-7 | 17-10 | 15-8 | 19-8 | 15-8 | 13-8 | 17-0 | 14-2 | 12-4 |
| 362SR162-54 | 12 | 28-2 | 22-4 | 19-7 | 24-8 | 19-7 | 17-1 | 22-4 | 17-9 | 15-6 | 400SR162-54 | 30-6 | 24-2 | 21-1 | 26-7 | 21-1 | 18-6 | 24-2 | 19-2 | 16-9 |
| | 16 | 25-8 | 20-4 | 17-9 | 22-4 | 17-9 | 15-6 | 20-4 | 16-2 | 14-1 | | 27-8 | 22-0 | 19-2 | 24-2 | 19-2 | 16-9 | 22-0 | 17-6 | 15-2 |
| | 24 | 22-4 | 17-9 | 15-6 | 19-7 | 15-6 | 13-7 | 17-9 | 14-1 | 12-3 | | 24-2 | 19-2 | 16-9 | 21-1 | 16-9 | 14-8 | 19-2 | 15-2 | 13-3 |
| 362SR162-68 | 12 | 30-2 | 24-0 | 20-10 | 26-4 | 20-10 | 18-3 | 24-0 | 19-0 | 16-7 | 400SR162-68 | 32-7 | 25-10 | 22-7 | 28-6 | 22-7 | 19-9 | 25-10 | 20-7 | 18-0 |
| | 16 | 27-4 | 21-9 | 19-0 | 24-0 | 19-0 | 16-7 | 21-9 | 17-3 | 15-1 | | 29-8 | 23-6 | 20-7 | 25-10 | 20-7 | 18-0 | 23-6 | 18-8 | 16-3 |
| | 24 | 24-0 | 19-0 | 16-7 | 20-10 | 16-7 | 14-6 | 19-0 | 15-1 | 13-2 | | 25-10 | 20-7 | 18-0 | 22-7 | 18-0 | 15-8 | 20-7 | 16-3 | 14-3 |
| 362SR162-97 | 12 | 33-3 | 26-4 | 23-1 | 29-1 | 23-1 | 20-2 | 26-4 | 21-0 | 18-3 | 400SR162-97 | 36-0 | 28-7 | 25-0 | 31-6 | 25-0 | 21-9 | 28-7 | 22-8 | 19-9 |
| | 16 | 30-3 | 24-0 | 21-0 | 26-4 | 21-0 | 18-3 | 24-0 | 19-1 | 16-7 | | 32-8 | 26-0 | 22-8 | 28-7 | 22-8 | 19-9 | 26-0 | 20-7 | 18-0 |
| | 24 | 26-4 | 21-0 | 18-3 | 23-1 | 18-3 | 16-0 | 21-0 | 16-7 | 14-6 | | 28-7 | 22-8 | 19-9 | 25-0 | 19-9 | 17-3 | 22-8 | 18-0 | 15-8 |
| 362RS200-33 | 12 | 25-4 | 20-2 | 17-7 | 22-2 | 17-7 | 15-4 | 20-2 | 16-0 | 14-0 | 400SR200-33 | 27-4 | 21-9 | 19-0 | 24-0 | 19-0 | 16-7 | 21-8 | 17-3 | 15-1 |
| | 16 | 23-1 | 18-4 | 16-0 | 20-2 | 16-0 | 14-0 | 17-7 | 14-7 | 12-8 | | 24-10 | 19-9 | 17-3 | 21-8 | 17-3 | 15-1 | 18-9 | 15-8 | 13-8 |
| | 24 | 20-2 | 16-0 | 14-0 | 16-7 | 14-0 | 12-2 | 14-3 | 12-8 | 11-1 | | 21-8 | 17-3 | 15-1 | 17-8 | 15-1 | 13-2 | 15-3 | 13-8 | 12-0 |
| 362SR200-43 | 12 | 27-10 | 22-1 | 19-3 | 24-3 | 19-3 | 16-10 | 22-1 | 17-7 | 15-3 | 400SR200-43 | 30-1 | 23-10 | 20-9 | 26-3 | 20-9 | 18-2 | 23-10 | 18-10 | 16-6 |
| | 16 | 25-3 | 20-1 | 17-7 | 22-1 | 17-7 | 15-3 | 20-1 | 15-10 | 13-10 | | 27-3 | 21-8 | 18-10 | 23-10 | 18-10 | 16-6 | 21-8 | 17-2 | 15-0 |
| | 24 | 22-1 | 17-7 | 15-3 | 19-3 | 15-3 | 13-4 | 17-0 | 13-10 | 12-2 | | 23-10 | 18-10 | 16-6 | 20-9 | 16-6 | 14-4 | 18-2 | 15-0 | 13-1 |
| 362SR200-54 | 12 | 29-10 | 23-8 | 20-8 | 26-1 | 20-8 | 18-1 | 23-8 | 18-9 | 16-4 | 400SR200-54 | 32-2 | 25-7 | 22-3 | 28-2 | 22-3 | 19-6 | 25-7 | 20-3 | 17-8 |
| | 16 | 27-1 | 21-6 | 18-9 | 23-8 | 18-9 | 16-4 | 21-6 | 17-1 | 14-10 | | 29-3 | 23-2 | 20-3 | 25-7 | 20-3 | 17-8 | 23-2 | 18-4 | 16-1 |
| | 24 | 23-8 | 18-9 | 16-4 | 20-8 | 16-4 | 14-4 | 18-9 | 14-10 | 13-0 | | 25-7 | 20-3 | 17-8 | 22-3 | 17-8 | 15-6 | 20-3 | 16-1 | 14-1 |
| 362SR200-68 | 12 | 32-0 | 25-4 | 22-2 | 27-10 | 22-2 | 19-4 | 25-4 | 20-1 | 17-7 | 400SR200-68 | 34-6 | 27-4 | 23-10 | 30-2 | 23-10 | 20-10 | 27-4 | 21-8 | 19-0 |
| | 16 | 29-1 | 23-1 | 20-1 | 25-4 | 20-1 | 17-7 | 23-1 | 18-3 | 16-0 | | 31-4 | 24-10 | 21-8 | 27-4 | 21-8 | 19-0 | 24-10 | 19-9 | 17-3 |
| | 24 | 25-4 | 20-1 | 17-7 | 22-2 | 17-7 | 15-4 | 20-1 | 16-0 | 14-0 | | 27-4 | 21-8 | 19-0 | 23-10 | 19-0 | 16-7 | 21-8 | 17-3 | 15-1 |
| 362SR200-97 | 12 | 35-3 | 28-1 | 24-6 | 30-10 | 24-6 | 21-4 | 28-1 | 22-3 | 19-6 | 400SR200-97 | 38-2 | 30-3 | 26-6 | 33-4 | 26-6 | 23-1 | 30-3 | 24-1 | 21-0 |
| | 16 | 32-1 | 25-6 | 22-3 | 28-1 | 22-3 | 19-6 | 25-6 | 20-2 | 17-8 | | 34-8 | 27-6 | 24-1 | 30-3 | 24-1 | 21-0 | 27-6 | 21-10 | 19-1 |
| | 24 | 28-1 | 22-3 | 19-6 | 24-6 | 19-6 | 17-0 | 22-3 | 17-8 | 15-4 | | 30-3 | 24-1 | 21-0 | 26-6 | 21-0 | 18-4 | 24-1 | 19-1 | 16-8 |
| 362SR250-33 | 12 | 26-6 | 21-0 | 18-4 | 23-1 | 18-4 | 16-0 | 21-0 | 16-8 | 14-7 | 400SR250-33 | 28-6 | 22-7 | 19-9 | 24-10 | 19-9 | 17-3 | 22-4 | 18-0 | 15-8 |
| | 16 | 24-0 | 19-1 | 16-8 | 21-0 | 16-8 | 14-7 | 18-2 | 15-1 | 13-2 | | 25-10 | 20-7 | 18-0 | 22-4 | 18-0 | 15-8 | 19-4 | 16-3 | 14-3 |
| | 24 | 21-0 | 16-8 | 14-7 | 17-2 | 14-7 | 12-8 | 14-10 | 13-2 | 11-7 | | 22-4 | 18-0 | 15-8 | 18-3 | 15-8 | 13-8 | 15-10 | 14-3 | 12-6 |
| 362SR250-43 | 12 | 29-3 | 23-3 | 20-3 | 25-7 | 20-3 | 17-9 | 23-3 | 18-6 | 16-1 | 400SR250-43 | 31-7 | 25-1 | 21-10 | 27-7 | 21-10 | 19-1 | 25-1 | 19-10 | 17-4 |
| | 16 | 26-7 | 21-2 | 18-6 | 23-3 | 18-6 | 16-1 | 21-2 | 16-9 | 14-8 | | 28-8 | 22-9 | 19-10 | 25-1 | 19-10 | 17-4 | 22-9 | 18-1 | 15-9 |
| | 24 | 23-3 | 18-6 | 16-1 | 20-2 | 16-1 | 14-1 | 17-6 | 14-8 | 12-9 | | 25-1 | 19-10 | 17-4 | 21-7 | 17-4 | 15-2 | 18-8 | 15-9 | 13-9 |
| 362SR250-54 | 12 | 31-1 | 24-8 | 21-7 | 27-2 | 21-7 | 18-9 | 24-8 | 19-7 | 17-1 | 400SR250-54 | 33-6 | 26-7 | 23-2 | 29-3 | 23-2 | 20-3 | 26-7 | 21-1 | 18-4 |
| | 16 | 28-3 | 22-4 | 19-7 | 24-8 | 19-7 | 17-1 | 22-4 | 17-9 | 15-6 | | 30-4 | 24-2 | 21-1 | 26-7 | 21-1 | 18-4 | 24-2 | 19-2 | 16-9 |
| | 24 | 24-8 | 19-7 | 17-1 | 21-7 | 17-1 | 15-0 | 19-7 | 15-6 | 13-7 | | 26-7 | 21-1 | 18-4 | 23-2 | 18-4 | 16-1 | 21-1 | 16-9 | 14-7 |
| 362SR250-68 | 12 | 33-8 | 26-8 | 23-3 | 29-4 | 23-3 | 20-4 | 26-8 | 21-2 | 18-6 | 400SR250-68 | 36-3 | 28-9 | 25-2 | 31-8 | 25-2 | 22-0 | 28-9 | 22-10 | 20-0 |
| | 16 | 30-7 | 24-3 | 21-2 | 26-8 | 21-2 | 18-6 | 24-3 | 19-3 | 16-9 | | 33-0 | 26-2 | 22-10 | 28-9 | 22-10 | 20-0 | 26-2 | 20-9 | 18-1 |
| | 24 | 26-8 | 21-2 | 18-6 | 23-3 | 18-6 | 16-2 | 21-2 | 16-9 | 14-8 | | 28-9 | 22-10 | 20-0 | 25-2 | 20-0 | 17-4 | 22-10 | 18-1 | 15-10 |
| 362SR250-97 | 12 | 37-4 | 29-8 | 26-0 | 32-8 | 26-0 | 22-8 | 29-8 | 23-7 | 20-7 | 400SR250-97 | 40-4 | 32-0 | 28-0 | 35-3 | 28-0 | 24-6 | 32-0 | 25-4 | 22-2 |
| | 16 | 34-0 | 27-0 | 23-7 | 29-8 | 23-7 | 20-7 | 27-0 | 21-4 | 18-8 | | 36-8 | 29-1 | 25-4 | 32-0 | 25-4 | 22-2 | 29-1 | 23-1 | 20-2 |
| | 24 | 29-8 | 23-7 | 20-7 | 26-0 | 20-7 | 18-0 | 23-7 | 18-8 | 16-3 | | 32-0 | 25-4 | 22-2 | 28-0 | 22-2 | 19-4 | 25-4 | 20-2 | 17-7 |
| 362SR300-33 | 12 | 27-3 | 21-7 | 18-10 | 23-9 | 18-10 | 16-6 | 21-6 | 17-2 | 15-0 | 400SR300-33 | 29-4 | 23-3 | 20-4 | 25-7 | 20-4 | 17-9 | 22-10 | 18-6 | 16-2 |
| | 16 | 24-9 | 19-8 | 17-2 | 21-6 | 17-2 | 15-0 | 18-7 | 15-7 | 13-7 | | 26-8 | 21-2 | 18-6 | 22-10 | 18-6 | 16-2 | 19-9 | 16-9 | 14-8 |
| | 24 | 21-6 | 17-2 | 15-0 | 17-6 | 15-0 | 13-1 | 15-2 | 13-7 | 11-10 | | 22-10 | 18-6 | 16-2 | 18-8 | 16-2 | 14-1 | 16-2 | 14-8 | 12-9 |
| 362SR300-43 | 12 | 30-2 | 24-0 | 20-10 | 26-4 | 20-10 | 18-3 | 24-0 | 19-0 | 16-7 | 400SR300-43 | 32-6 | 25-9 | 22-6 | 28-4 | 22-6 | 19-8 | 25-9 | 20-6 | 17-10 |
| | 16 | 27-4 | 21-9 | 19-0 | 24-0 | 19-0 | 16-7 | 21-8 | 17-3 | 15-1 | | 29-6 | 23-4 | 20-6 | 25-9 | 20-6 | 17-10 | 23-2 | 18-7 | 16-2 |
| | 24 | 24-0 | 19-0 | 16-7 | 20-6 | 16-7 | 14-6 | 17-9 | 15-1 | 13-2 | | 25-9 | 20-6 | 17-10 | 21-9 | 17-10 | 15-7 | 18-10 | 16-2 | 14-2 |
| 362SR300-54 | 12 | 32-0 | 25-4 | 22-2 | 27-10 | 22-2 | 19-4 | 25-4 | 20-1 | 17-7 | 400SR300-54 | 34-4 | 27-3 | 23-10 | 30-1 | 23-10 | 20-9 | 27-3 | 21-8 | 18-10 |
| | 16 | 29-0 | 23-1 | 20-1 | 25-4 | 20-1 | 17-7 | 23-1 | 18-3 | 16-0 | | 31-3 | 24-9 | 21-8 | 27-3 | 21-8 | 18-10 | 24-9 | 19-8 | 17-2 |
| | 24 | 25-4 | 20-1 | 17-7 | 22-2 | 17-7 | 15-4 | 20-1 | 16-0 | 14-0 | | 27-3 | 21-8 | 18-10 | 23-10 | 18-10 | 16-6 | 21-8 | 17-2 | 15-0 |
| 362SR300-68 | 12 | 34-9 | 27-7 | 24-1 | 30-4 | 24-1 | 21-1 | 27-7 | 21-10 | 19-1 | 400SR300-68 | 37-4 | 29-8 | 26-0 | 32-8 | 26-0 | 22-8 | 29-8 | 23-7 | 20-7 |
| | 16 | 31-7 | 25-1 | 21-10 | 27-7 | 21-10 | 19-1 | 25-1 | 19-10 | 17-4 | | 34-0 | 27-0 | 23-7 | 29-8 | 23-7 | 20-7 | 27-0 | 21-4 | 18-8 |
| | 24 | 27-7 | 21-10 | 19-1 | 24-1 | 19-1 | 16-8 | 21-10 | 17-4 | 15-2 | | 29-8 | 23-7 | 20-7 | 26-0 | 20-7 | 18-0 | 23-7 | 18-8 | 16-4 |
| 362SR300-97 | 12 | 39-1 | 31-0 | 27-1 | 34-2 | 27-1 | 23-8 | 31-0 | 24-7 | 21-6 | 400SR300-97 | 42-1 | 33-4 | 29-2 | 36-9 | 29-2 | 25-6 | 33-4 | 26-6 | 23-2 |
| | 16 | 35-6 | 28-2 | 24-7 | 31-0 | 24-7 | 21-6 | 28-2 | 22-4 | 19-7 | | 38-3 | 30-4 | 26-6 | 33-4 | 26-6 | 23-2 | 30-4 | 24-1 | 21-1 |
| | 24 | 31-0 | 24-7 | 21-6 | 27-1 | 21-6 | 18-9 | 24-7 | 19-7 | 17-1 | | 33-4 | 26-6 | 23-2 | 29-2 | 23-2 | 20-3 | 26-6 | 21-1 | 18-4 |

Table 3B continued on next page.

## TABLE 3B—LIMITING HEIGHTS OF NONCOMPOSITE STRUCTURAL STUDS (ft-in) (continued)

| MEMBER | Spacing (in. o.c.) | FULLY BRACED | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 psf | | | 7.5 psf | | | 10 psf | | |
| | | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 |
| 600SR162-33 | 12 | 35-8 | 28-3 | 24-9 | 31-2 | 24-9 | 21-7 | 27-1 | 22-6 | 19-7 |
| | 16 | 32-4 | 25-8 | 22-6 | 27-1 | 22-6 | 19-7 | 23-4 | 20-4 | 17-10 |
| | 24 | 27-1 | 22-6 | 19-7 | 22-1 | 19-7 | 17-2 | 19-1 | 17-10 | 15-7 |
| 600SR162-43 | 12 | 38-10 | 30-10 | 27-0 | 34-0 | 27-0 | 23-6 | 30-10 | 24-6 | 21-4 |
| | 16 | 35-3 | 28-0 | 24-6 | 30-10 | 24-6 | 21-4 | 27-2 | 22-3 | 19-4 |
| | 24 | 30-10 | 24-6 | 21-4 | 25-7 | 21-4 | 18-8 | 22-2 | 19-4 | 17-0 |
| 600SR162-54 | 12 | 41-8 | 33-1 | 28-10 | 36-4 | 28-10 | 25-3 | 33-1 | 26-3 | 22-10 |
| | 16 | 37-10 | 30-1 | 26-3 | 33-1 | 26-3 | 22-10 | 30-1 | 23-10 | 20-9 |
| | 24 | 33-1 | 26-3 | 22-10 | 28-10 | 22-10 | 20-0 | 26-3 | 20-9 | 18-2 |
| 600SR162-68 | 12 | 44-8 | 35-6 | 31-0 | 39-0 | 31-0 | 27-1 | 35-6 | 28-2 | 24-7 |
| | 16 | 40-7 | 32-2 | 28-2 | 35-6 | 28-2 | 24-7 | 32-2 | 25-7 | 22-3 |
| | 24 | 35-6 | 28-2 | 24-7 | 31-0 | 24-7 | 21-6 | 28-2 | 22-3 | 19-6 |
| 600SR162-97 | 12 | 49-6 | 39-3 | 34-3 | 43-2 | 34-3 | 30-0 | 39-3 | 31-2 | 27-2 |
| | 16 | 45-0 | 35-8 | 31-2 | 39-3 | 31-2 | 27-2 | 35-8 | 28-3 | 24-8 |
| | 24 | 39-3 | 31-2 | 27-2 | 34-3 | 27-2 | 23-9 | 31-2 | 24-8 | 21-7 |
| 600SR200-33 | 12 | 37-3 | 29-7 | 25-10 | 32-6 | 25-10 | 22-7 | 28-2 | 23-6 | 20-7 |
| | 16 | 33-10 | 26-10 | 23-6 | 28-2 | 23-6 | 20-7 | 24-4 | 21-4 | 18-8 |
| | 24 | 28-2 | 23-6 | 20-7 | 23-0 | 20-7 | 18-0 | 19-10 | 18-8 | 16-3 |
| 600SR200-43 | 12 | 40-10 | 32-6 | 28-4 | 35-8 | 28-4 | 24-9 | 32-6 | 25-9 | 22-6 |
| | 16 | 37-2 | 29-6 | 25-9 | 32-6 | 25-9 | 22-6 | 28-10 | 23-4 | 20-4 |
| | 24 | 32-6 | 25-9 | 22-6 | 27-2 | 22-6 | 19-8 | 23-7 | 20-4 | 17-10 |
| 600SR200-54 | 12 | 43-10 | 34-9 | 30-4 | 38-3 | 30-4 | 26-7 | 34-9 | 27-7 | 24-2 |
| | 16 | 39-10 | 31-7 | 27-7 | 34-9 | 27-7 | 24-2 | 31-7 | 25-1 | 21-10 |
| | 24 | 34-9 | 27-7 | 24-2 | 30-4 | 24-2 | 21-1 | 27-7 | 21-10 | 19-2 |
| 600SR200-68 | 12 | 47-1 | 37-4 | 32-7 | 41-1 | 32-7 | 28-6 | 37-4 | 29-8 | 25-10 |
| | 16 | 42-9 | 34-0 | 29-8 | 37-4 | 29-8 | 25-10 | 34-0 | 26-10 | 23-6 |
| | 24 | 37-4 | 29-8 | 25-10 | 32-7 | 25-10 | 22-7 | 29-8 | 23-6 | 20-7 |
| 600SR200-97 | 12 | 52-2 | 41-6 | 36-2 | 45-7 | 36-2 | 31-7 | 41-6 | 32-10 | 28-8 |
| | 16 | 47-6 | 37-8 | 32-10 | 41-6 | 32-10 | 28-8 | 37-8 | 29-10 | 26-1 |
| | 24 | 41-6 | 32-10 | 28-8 | 36-2 | 28-8 | 25-1 | 32-10 | 26-1 | 22-9 |
| 600SR250-33 | 12 | 38-8 | 30-8 | 26-9 | 33-6 | 26-9 | 23-4 | 29-0 | 24-4 | 21-3 |
| | 16 | 35-1 | 27-10 | 24-4 | 29-0 | 24-4 | 21-3 | 25-2 | 22-1 | 19-3 |
| | 24 | 29-0 | 24-4 | 21-3 | 23-8 | 21-3 | 18-7 | 20-6 | 19-3 | 16-10 |
| 600SR250-43 | 12 | 42-9 | 34-0 | 29-8 | 37-4 | 29-8 | 25-10 | 34-0 | 27-0 | 23-6 |
| | 16 | 38-10 | 30-10 | 27-0 | 34-0 | 27-0 | 23-6 | 29-6 | 24-6 | 21-4 |
| | 24 | 34-0 | 27-0 | 23-6 | 27-9 | 23-6 | 20-7 | 24-1 | 21-4 | 18-8 |
| 600SR250-54 | 12 | 45-4 | 36-0 | 31-6 | 39-8 | 31-6 | 27-6 | 36-0 | 28-7 | 25-0 |
| | 16 | 41-2 | 32-8 | 28-7 | 36-0 | 28-7 | 25-0 | 32-8 | 26-0 | 22-8 |
| | 24 | 36-0 | 28-7 | 25-0 | 31-6 | 25-0 | 21-9 | 28-7 | 22-8 | 19-9 |
| 600SR250-68 | 12 | 49-2 | 39-1 | 34-1 | 43-0 | 34-1 | 29-9 | 39-1 | 31-0 | 27-1 |
| | 16 | 44-8 | 35-6 | 31-0 | 39-1 | 31-0 | 27-1 | 35-6 | 28-2 | 24-7 |
| | 24 | 39-1 | 31-0 | 27-1 | 34-1 | 27-1 | 23-8 | 31-0 | 24-7 | 21-6 |
| 600SR250-97 | 12 | 54-10 | 43-7 | 38-1 | 48-0 | 38-1 | 33-3 | 43-7 | 34-7 | 30-2 |
| | 16 | 49-10 | 39-7 | 34-7 | 43-7 | 34-7 | 30-2 | 39-7 | 31-4 | 27-6 |
| | 24 | 43-7 | 34-7 | 30-2 | 38-1 | 30-2 | 26-4 | 34-7 | 27-6 | 24-0 |
| 600SR300-33 | 12 | 39-8 | 31-6 | 27-6 | 34-2 | 27-6 | 24-0 | 29-7 | 25-0 | 21-9 |
| | 16 | 36-1 | 28-7 | 25-0 | 29-7 | 25-0 | 21-9 | 25-7 | 22-8 | 19-9 |
| | 24 | 29-7 | 25-0 | 21-9 | 24-2 | 21-9 | 19-1 | 20-10 | 19-9 | 17-3 |
| 600SR300-43 | 12 | 43-10 | 34-9 | 30-4 | 38-3 | 30-4 | 26-7 | 34-6 | 27-7 | 24-1 |
| | 16 | 39-10 | 31-7 | 27-7 | 34-6 | 27-7 | 24-1 | 29-9 | 25-1 | 21-10 |
| | 24 | 34-6 | 27-7 | 24-1 | 28-1 | 24-1 | 21-1 | 24-4 | 21-10 | 19-2 |
| 600SR300-54 | 12 | 46-6 | 36-10 | 32-3 | 40-7 | 32-3 | 28-2 | 36-10 | 29-3 | 25-7 |
| | 16 | 42-3 | 33-6 | 29-3 | 36-10 | 29-3 | 25-7 | 33-6 | 26-7 | 23-3 |
| | 24 | 36-10 | 29-3 | 25-7 | 32-3 | 25-7 | 22-4 | 29-3 | 23-3 | 20-3 |
| 600SR300-68 | 12 | 50-7 | 40-2 | 35-1 | 44-2 | 35-1 | 30-7 | 40-2 | 31-10 | 27-9 |
| | 16 | 46-0 | 36-6 | 31-10 | 40-2 | 31-10 | 27-9 | 36-6 | 29-0 | 25-3 |
| | 24 | 40-2 | 31-10 | 27-9 | 35-1 | 27-9 | 24-3 | 31-10 | 25-3 | 22-1 |
| 600SR300-97 | 12 | 57-0 | 45-3 | 39-6 | 49-9 | 39-6 | 34-6 | 45-3 | 35-10 | 31-4 |
| | 16 | 51-9 | 41-1 | 35-10 | 45-3 | 35-10 | 31-4 | 41-1 | 32-7 | 28-6 |
| | 24 | 45-3 | 35-10 | 31-4 | 39-6 | 31-4 | 27-4 | 35-10 | 28-6 | 24-10 |

| MEMBER | FULLY BRACED | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5 psf | | | 7.5 psf | | | 10 psf | | |
| | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 |
| 800SR162-43 | 48-6 | 38-6 | 33-7 | 42-3 | 33-7 | 29-4 | 37-9 | 30-6 | 26-8 |
| | 44-0 | 35-0 | 30-6 | 37-9 | 30-6 | 26-8 | 32-9 | 27-8 | 24-2 |
| | 37-9 | 30-6 | 26-8 | 30-10 | 26-8 | 23-3 | 26-8 | 24-2 | 21-2 |
| 800SR162-54 | 52-0 | 41-3 | 36-1 | 45-4 | 36-1 | 31-6 | 41-3 | 32-9 | 28-7 |
| | 47-2 | 37-6 | 32-9 | 41-3 | 32-9 | 28-7 | 37-6 | 29-9 | 26-0 |
| | 41-3 | 32-9 | 28-7 | 36-1 | 28-7 | 25-0 | 32-9 | 26-0 | 22-8 |
| 800SR162-68 | 55-9 | 44-2 | 38-8 | 48-8 | 38-8 | 33-9 | 44-2 | 35-1 | 30-8 |
| | 50-8 | 40-2 | 35-1 | 44-2 | 35-1 | 30-8 | 40-2 | 31-10 | 27-10 |
| | 44-2 | 35-1 | 30-8 | 38-8 | 30-8 | 26-9 | 35-1 | 27-10 | 24-4 |
| 800SR162-97 | 61-9 | 49-0 | 42-9 | 54-0 | 42-9 | 37-4 | 49-0 | 38-10 | 34-0 |
| | 56-1 | 44-6 | 38-10 | 49-0 | 38-10 | 34-0 | 44-6 | 35-4 | 30-10 |
| | 49-0 | 38-10 | 34-0 | 42-9 | 34-0 | 29-8 | 38-10 | 30-10 | 27-0 |
| 800SR200-43 | 50-9 | 40-4 | 35-3 | 44-4 | 35-3 | 30-9 | 40-1 | 32-0 | 28-0 |
| | 46-2 | 36-8 | 32-0 | 40-1 | 32-0 | 28-0 | 34-8 | 29-1 | 25-4 |
| | 40-1 | 32-0 | 28-0 | 32-8 | 28-0 | 24-4 | 28-3 | 25-4 | 22-2 |
| 800SR200-54 | 54-7 | 43-3 | 37-9 | 47-8 | 37-9 | 33-1 | 43-3 | 34-4 | 30-0 |
| | 49-7 | 39-4 | 34-4 | 43-3 | 34-4 | 30-0 | 39-4 | 31-2 | 27-3 |
| | 43-3 | 34-4 | 30-0 | 37-9 | 30-0 | 26-2 | 34-4 | 27-3 | 23-9 |
| 800SR200-68 | 58-7 | 46-6 | 40-7 | 51-2 | 40-7 | 35-6 | 46-6 | 36-10 | 32-2 |
| | 53-2 | 42-2 | 36-10 | 46-6 | 36-10 | 32-2 | 42-2 | 33-6 | 29-3 |
| | 46-6 | 36-10 | 32-2 | 40-7 | 32-2 | 28-2 | 36-10 | 29-3 | 25-7 |
| 800SR200-97 | 65-0 | 51-7 | 45-1 | 56-9 | 45-1 | 39-4 | 51-7 | 41-0 | 35-9 |
| | 59-1 | 46-10 | 41-0 | 51-7 | 41-0 | 35-9 | 46-10 | 37-2 | 32-6 |
| | 51-7 | 41-0 | 35-9 | 45-1 | 35-9 | 31-3 | 41-0 | 32-6 | 28-4 |
| 800SR250-43 | 53-0 | 42-1 | 36-9 | 46-3 | 36-9 | 32-1 | 40-9 | 33-4 | 29-2 |
| | 48-2 | 38-2 | 33-4 | 40-9 | 33-4 | 29-2 | 35-3 | 30-4 | 26-6 |
| | 40-9 | 33-4 | 29-2 | 33-3 | 29-2 | 25-6 | 28-10 | 26-6 | 23-2 |
| 800SR250-54 | 56-3 | 44-8 | 39-0 | 49-2 | 39-0 | 34-1 | 44-8 | 35-4 | 31-0 |
| | 51-1 | 40-7 | 35-4 | 44-8 | 35-4 | 31-0 | 40-7 | 32-2 | 28-1 |
| | 44-8 | 35-4 | 31-0 | 39-0 | 31-0 | 27-1 | 35-4 | 28-1 | 24-7 |
| 800SR250-68 | 61-0 | 48-4 | 42-3 | 53-3 | 42-3 | 37-0 | 48-4 | 38-4 | 33-7 |
| | 55-4 | 44-0 | 38-4 | 48-4 | 38-4 | 33-7 | 44-0 | 34-10 | 30-6 |
| | 48-4 | 38-4 | 33-7 | 42-3 | 33-7 | 29-3 | 38-4 | 30-6 | 26-7 |
| 800SR250-97 | 68-1 | 54-1 | 47-2 | 59-6 | 47-2 | 41-3 | 54-1 | 42-10 | 37-6 |
| | 61-10 | 49-1 | 42-10 | 54-1 | 42-10 | 37-6 | 49-1 | 39-0 | 34-1 |
| | 54-1 | 42-10 | 37-6 | 47-2 | 37-6 | 32-9 | 42-10 | 34-1 | 29-9 |
| 800SR300-43 | 54-3 | 43-1 | 37-7 | 47-4 | 37-7 | 32-10 | 41-1 | 34-2 | 29-10 |
| | 49-3 | 39-1 | 34-2 | 41-1 | 34-2 | 29-10 | 35-7 | 31-1 | 27-1 |
| | 41-1 | 34-2 | 29-10 | 33-7 | 29-10 | 26-1 | 29-1 | 27-1 | 23-8 |
| 800SR300-54 | 57-7 | 45-8 | 39-10 | 50-3 | 39-10 | 34-10 | 45-8 | 36-3 | 31-8 |
| | 52-3 | 41-6 | 36-3 | 45-8 | 36-3 | 31-8 | 41-6 | 33-0 | 28-9 |
| | 45-8 | 36-3 | 31-8 | 39-10 | 31-8 | 27-8 | 36-3 | 28-9 | 25-1 |
| 800SR300-68 | 62-7 | 49-8 | 43-4 | 54-8 | 43-4 | 37-10 | 49-8 | 39-4 | 34-4 |
| | 56-10 | 45-1 | 39-4 | 49-8 | 39-4 | 34-4 | 45-1 | 35-9 | 31-3 |
| | 49-8 | 39-4 | 34-4 | 43-4 | 34-4 | 30-1 | 39-4 | 31-3 | 27-3 |
| 800SR300-97 | 70-7 | 56-0 | 48-10 | 61-7 | 48-10 | 42-8 | 56-0 | 44-4 | 38-9 |
| | 64-1 | 50-10 | 44-4 | 56-0 | 44-4 | 38-9 | 50-10 | 40-4 | 35-3 |
| | 56-0 | 44-4 | 38-9 | 48-10 | 38-9 | 33-10 | 44-4 | 35-3 | 30-9 |

## TABLE 4—CURTAIN WALLS[1,2,3] (ft-in)

| Section Identification | Spacing (in.) o.c. | 15 psf | | | 20 psf | | | 25 psf | | | 30 psf | | | 35 psf | | | 40 psf | | | 50 psf | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 |
| 362SR162-33 | 12 | 15-0 | 13-1 | 11-1 | 13-7 | 11-10 | 10-1 | 12-3 | 11-1 | 9-3 | 11-2 | 10-4 | 8-9 | 10-4 | 9-10 | 8-3 | 9-8 | 9-6 | 8-0 | 8-8 | 8-8 | 7-4 |
| | 16 | 13-7 | 11-10 | 10-1 | 11-10 | 10-9 | 9-1 | 10-7 | 10-1 | 8-6 | 9-8 | 9-6 | 8-0 | 9-0 | 9-0 | 7-7 | 8-1 | 8-1 | 7-3 | 6-6 | 6-6 | 6-6 |
| | 24 | 11-2 | 10-4 | 8-9 | 9-8 | 9-6 | 8-0 | 8-8 | 8-8 | 7-4 | 7-2 | 7-2 | 7-0 | 6-2 | 6-2 | 6-2 | 5-4 | 5-4 | 5-4 | 4-3 | 4-3 | 4-3 |
| 362SR162-43 | 12 | 16-3 | 14-3 | 12-0 | 14-9 | 13-0 | 10-10 | 13-9 | 12-0 | 10-2 | 13-0 | 11-3 | 9-7 | 12-0 | 10-9 | 9-1 | 11-3 | 10-3 | 8-8 | 10-1 | 9-7 | 8-1 |
| | 16 | 14-9 | 13-0 | 10-10 | 13-6 | 11-9 | 9-10 | 12-3 | 10-10 | 9-2 | 11-3 | 10-3 | 8-8 | 10-4 | 9-9 | 8-2 | 9-9 | 9-4 | 7-10 | 8-8 | 8-8 | 7-3 |
| | 24 | 13-0 | 11-3 | 9-7 | 11-3 | 10-3 | 8-8 | 10-1 | 9-7 | 8-1 | 9-2 | 9-0 | 7-7 | 8-6 | 8-6 | 7-2 | 8-0 | 8-0 | 6-10 | 6-10 | 6-10 | 6-4 |
| 362SR162-54 | 12 | 17-6 | 15-3 | 12-10 | 15-10 | 13-10 | 11-8 | 14-9 | 12-10 | 10-10 | 13-10 | 12-1 | 10-2 | 13-2 | 11-6 | 9-8 | 12-7 | 11-0 | 9-3 | 11-8 | 10-2 | 8-7 |
| | 16 | 15-10 | 13-10 | 11-8 | 14-4 | 12-7 | 10-7 | 13-4 | 11-8 | 9-10 | 12-7 | 11-0 | 9-3 | 12-0 | 10-6 | 8-9 | 11-6 | 10-0 | 8-4 | 10-7 | 9-3 | 7-9 |
| | 24 | 13-10 | 12-1 | 10-2 | 12-7 | 11-0 | 9-3 | 11-8 | 10-2 | 8-7 | 11-0 | 9-7 | 8-1 | 10-6 | 9-1 | 7-8 | 10-0 | 8-9 | 7-4 | 9-3 | 8-1 | 6-10 |
| 362SR162-68 | 12 | 18-8 | 16-4 | 13-9 | 17-0 | 14-10 | 12-6 | 15-9 | 13-9 | 11-7 | 14-10 | 13-0 | 10-10 | 14-1 | 12-3 | 10-4 | 13-6 | 11-9 | 9-10 | 12-6 | 10-10 | 9-2 |
| | 16 | 17-0 | 14-10 | 12-6 | 15-6 | 13-6 | 11-4 | 14-3 | 12-6 | 10-7 | 13-6 | 11-9 | 9-10 | 12-9 | 11-2 | 9-4 | 12-3 | 10-8 | 9-0 | 11-4 | 9-10 | 8-4 |
| | 24 | 14-10 | 13-0 | 10-10 | 13-6 | 11-9 | 9-10 | 12-6 | 10-10 | 9-2 | 11-9 | 10-3 | 8-8 | 11-2 | 9-9 | 8-3 | 10-8 | 9-4 | 7-10 | 9-10 | 8-8 | 7-3 |
| 362SR162-97 | 12 | 20-7 | 18-0 | 15-2 | 18-8 | 16-4 | 13-9 | 17-4 | 15-2 | 12-9 | 16-4 | 14-3 | 12-1 | 15-7 | 13-7 | 11-6 | 14-10 | 13-0 | 11-0 | 13-9 | 12-1 | 10-2 |
| | 16 | 18-8 | 16-4 | 13-9 | 17-0 | 14-10 | 12-7 | 15-9 | 13-9 | 11-8 | 14-10 | 13-0 | 11-0 | 14-1 | 12-3 | 10-4 | 13-6 | 11-9 | 10-0 | 12-7 | 11-0 | 9-2 |
| | 24 | 16-4 | 14-3 | 12-1 | 14-10 | 13-0 | 11-0 | 13-9 | 12-1 | 10-2 | 13-0 | 11-4 | 9-7 | 12-3 | 10-9 | 9-1 | 11-9 | 10-3 | 8-8 | 11-0 | 9-7 | 8-1 |
| 362SR200-33 | 12 | 15-9 | 13-9 | 11-7 | 14-3 | 12-6 | 10-7 | 12-9 | 11-7 | 9-9 | 11-8 | 10-10 | 9-2 | 10-9 | 10-4 | 8-9 | 10-1 | 9-10 | 8-4 | 8-8 | 8-8 | 7-9 |
| | 16 | 14-3 | 12-6 | 10-7 | 12-4 | 11-4 | 9-7 | 11-1 | 10-7 | 8-10 | 10-1 | 9-10 | 8-4 | 9-3 | 9-3 | 8-0 | 8-1 | 8-1 | 7-7 | 6-6 | 6-6 | 6-6 |
| | 24 | 11-8 | 10-10 | 9-2 | 10-1 | 9-10 | 8-4 | 8-8 | 8-8 | 7-9 | 7-2 | 7-2 | 7-2 | 6-2 | 6-2 | 6-2 | 5-4 | 5-4 | 5-4 | 4-3 | 4-3 | 4-3 |
| 362SR200-43 | 12 | 17-3 | 15-1 | 12-8 | 15-8 | 13-8 | 11-7 | 14-7 | 12-8 | 10-8 | 13-8 | 12-0 | 10-1 | 12-10 | 11-4 | 9-7 | 12-1 | 10-10 | 9-2 | 10-9 | 10-1 | 8-6 |
| | 16 | 15-8 | 13-8 | 11-7 | 14-3 | 12-6 | 10-6 | 13-2 | 11-7 | 9-9 | 12-1 | 10-10 | 9-2 | 11-2 | 10-3 | 8-8 | 10-4 | 9-10 | 8-3 | 9-3 | 9-2 | 7-8 |
| | 24 | 13-8 | 12-0 | 10-1 | 12-1 | 10-10 | 9-2 | 10-9 | 10-1 | 8-6 | 9-9 | 9-6 | 8-0 | 9-1 | 9-0 | 7-7 | 8-6 | 8-6 | 7-3 | 6-10 | 6-10 | 6-9 |
| 362SR200-54 | 12 | 18-6 | 16-2 | 13-7 | 16-9 | 14-8 | 12-4 | 15-7 | 13-7 | 11-6 | 14-8 | 12-9 | 10-9 | 14-0 | 12-2 | 10-3 | 13-3 | 11-8 | 9-9 | 12-4 | 10-9 | 9-1 |
| | 16 | 16-9 | 14-8 | 12-4 | 15-3 | 13-3 | 11-3 | 14-2 | 12-4 | 10-6 | 13-3 | 11-8 | 9-9 | 12-8 | 11-1 | 9-3 | 12-1 | 10-7 | 8-10 | 11-3 | 9-9 | 8-3 |
| | 24 | 14-8 | 12-9 | 10-9 | 13-3 | 11-8 | 9-9 | 12-4 | 10-9 | 9-1 | 11-8 | 10-2 | 8-7 | 11-1 | 9-8 | 8-2 | 10-7 | 9-3 | 7-9 | 9-9 | 8-7 | 7-2 |
| 362SR200-68 | 12 | 19-9 | 17-3 | 14-7 | 18-0 | 15-8 | 13-3 | 16-8 | 14-7 | 12-3 | 15-8 | 13-8 | 11-7 | 14-10 | 13-1 | 11-0 | 14-3 | 12-6 | 10-6 | 13-3 | 11-7 | 9-9 |
| | 16 | 18-0 | 15-8 | 13-3 | 16-4 | 14-3 | 12-1 | 15-2 | 13-3 | 11-2 | 14-3 | 12-6 | 10-6 | 13-7 | 11-10 | 10-0 | 13-0 | 11-3 | 9-7 | 12-1 | 10-6 | 8-10 |
| | 24 | 15-8 | 13-8 | 11-7 | 14-3 | 12-6 | 10-6 | 13-3 | 11-7 | 9-9 | 12-6 | 10-10 | 9-2 | 11-10 | 10-4 | 8-8 | 11-3 | 9-10 | 8-4 | 10-6 | 9-2 | 7-9 |
| 362SR200-97 | 12 | 21-10 | 19-1 | 16-1 | 19-10 | 17-4 | 14-8 | 18-6 | 16-1 | 13-7 | 17-4 | 15-2 | 12-9 | 16-6 | 14-4 | 12-2 | 15-9 | 13-9 | 11-7 | 14-8 | 12-9 | 10-9 |
| | 16 | 19-10 | 17-4 | 14-8 | 18-1 | 15-9 | 13-3 | 16-9 | 14-8 | 12-4 | 15-9 | 13-9 | 11-7 | 15-0 | 13-1 | 11-1 | 14-4 | 12-6 | 10-7 | 13-3 | 11-7 | 9-9 |
| | 24 | 17-4 | 15-2 | 12-9 | 15-9 | 13-9 | 11-7 | 14-8 | 12-9 | 10-9 | 13-9 | 12-1 | 10-2 | 13-1 | 11-6 | 9-8 | 12-6 | 11-0 | 9-2 | 11-7 | 10-2 | 8-7 |
| 362SR250-33 | 12 | 16-4 | 14-3 | 12-1 | 14-10 | 13-0 | 11-0 | 13-3 | 12-1 | 10-2 | 12-1 | 11-4 | 9-7 | 11-2 | 10-9 | 9-1 | 10-6 | 10-3 | 8-8 | 8-8 | 8-8 | 8-1 |
| | 16 | 14-10 | 13-0 | 11-0 | 12-10 | 11-9 | 10-0 | 11-6 | 11-0 | 9-3 | 10-6 | 10-3 | 8-8 | 9-3 | 9-3 | 8-3 | 8-1 | 8-1 | 7-10 | 6-6 | 6-6 | 6-6 |
| | 24 | 12-1 | 11-4 | 9-7 | 10-6 | 10-3 | 8-8 | 8-8 | 8-8 | 8-1 | 7-2 | 7-2 | 7-2 | 6-2 | 6-2 | 6-2 | 5-4 | 5-4 | 5-4 | 4-3 | 4-3 | 4-3 |
| 362SR250-43 | 12 | 18-2 | 15-10 | 13-4 | 16-6 | 14-4 | 12-2 | 15-3 | 13-4 | 11-3 | 14-3 | 12-7 | 10-7 | 13-2 | 12-0 | 10-1 | 12-4 | 11-6 | 9-8 | 11-1 | 10-7 | 9-0 |
| | 16 | 16-6 | 14-4 | 12-2 | 15-0 | 13-1 | 11-1 | 13-7 | 12-2 | 10-3 | 12-4 | 11-6 | 9-8 | 11-6 | 10-10 | 9-2 | 10-8 | 10-4 | 8-9 | 9-7 | 9-7 | 8-1 |
| | 24 | 14-3 | 12-7 | 10-7 | 12-4 | 11-6 | 9-8 | 11-1 | 10-7 | 9-0 | 10-1 | 10-0 | 8-4 | 9-4 | 9-4 | 8-0 | 8-8 | 8-8 | 7-8 | 6-10 | 6-10 | 6-10 |
| 362SR250-54 | 12 | 19-3 | 16-9 | 14-2 | 17-6 | 15-3 | 12-10 | 16-3 | 14-2 | 12-0 | 15-3 | 13-4 | 11-3 | 14-6 | 12-8 | 10-8 | 13-10 | 12-1 | 10-2 | 12-10 | 11-3 | 9-6 |
| | 16 | 17-6 | 15-3 | 12-10 | 15-10 | 13-10 | 11-8 | 14-9 | 12-10 | 10-10 | 13-10 | 12-1 | 10-2 | 13-2 | 11-6 | 9-8 | 12-7 | 11-0 | 9-3 | 11-8 | 10-2 | 8-7 |
| | 24 | 15-3 | 13-4 | 11-3 | 13-10 | 12-1 | 10-2 | 12-10 | 11-3 | 9-6 | 12-1 | 10-7 | 8-10 | 11-6 | 10-1 | 8-6 | 11-0 | 9-7 | 8-1 | 10-2 | 8-10 | 7-6 |
| 362SR250-68 | 12 | 20-10 | 18-2 | 15-4 | 19-0 | 16-7 | 14-0 | 17-7 | 15-4 | 13-0 | 16-7 | 14-6 | 12-2 | 15-8 | 13-8 | 11-7 | 15-1 | 13-1 | 11-1 | 14-0 | 12-2 | 10-3 |
| | 16 | 19-0 | 16-7 | 14-0 | 17-2 | 15-1 | 12-8 | 16-0 | 14-0 | 11-9 | 15-1 | 13-1 | 11-1 | 14-3 | 12-6 | 10-6 | 13-8 | 11-10 | 10-1 | 12-8 | 11-1 | 9-4 |
| | 24 | 16-7 | 14-6 | 12-2 | 15-1 | 13-1 | 11-1 | 14-0 | 12-2 | 10-3 | 13-1 | 11-6 | 9-8 | 12-6 | 10-10 | 9-2 | 11-10 | 10-4 | 8-9 | 11-1 | 9-8 | 8-2 |
| 362SR250-97 | 12 | 23-2 | 20-3 | 17-1 | 21-1 | 18-4 | 15-6 | 19-7 | 17-1 | 14-4 | 18-4 | 16-1 | 13-7 | 17-6 | 15-3 | 12-10 | 16-8 | 14-7 | 12-3 | 15-6 | 13-7 | 11-4 |
| | 16 | 21-1 | 18-4 | 15-6 | 19-1 | 16-8 | 14-1 | 17-9 | 15-6 | 13-1 | 16-8 | 14-7 | 12-3 | 15-10 | 13-10 | 11-8 | 15-2 | 13-3 | 11-2 | 14-1 | 12-3 | 10-4 |
| | 24 | 18-4 | 16-1 | 13-7 | 16-8 | 14-7 | 12-3 | 15-6 | 13-7 | 11-4 | 14-7 | 12-9 | 10-9 | 13-10 | 12-1 | 10-2 | 13-3 | 11-7 | 9-9 | 12-3 | 10-9 | 9-1 |
| 362SR300-33 | 12 | 16-10 | 14-9 | 12-4 | 15-2 | 13-4 | 11-3 | 13-7 | 12-4 | 10-6 | 12-4 | 11-8 | 9-10 | 11-6 | 11-1 | 9-4 | 10-8 | 10-7 | 9-0 | 8-8 | 8-8 | 8-3 |
| | 16 | 15-2 | 13-4 | 11-3 | 13-1 | 12-2 | 10-3 | 11-9 | 11-3 | 9-6 | 10-8 | 10-7 | 9-0 | 9-3 | 9-3 | 8-6 | 8-1 | 8-1 | 8-1 | 6-6 | 6-6 | 6-6 |
| | 24 | 12-4 | 11-8 | 9-10 | 10-8 | 10-7 | 9-0 | 8-8 | 8-8 | 8-3 | 7-2 | 7-2 | 7-2 | 6-2 | 6-2 | 6-2 | 5-4 | 5-4 | 5-4 | 4-3 | 4-3 | 4-3 |
| 362SR300-43 | 12 | 18-8 | 16-3 | 13-9 | 17-0 | 14-10 | 12-6 | 15-9 | 13-9 | 11-7 | 14-6 | 13-0 | 10-10 | 13-4 | 12-3 | 10-4 | 12-7 | 11-9 | 9-10 | 11-2 | 10-10 | 9-2 |
| | 16 | 17-0 | 14-10 | 12-6 | 15-4 | 13-6 | 11-4 | 13-8 | 12-6 | 10-7 | 12-7 | 11-9 | 9-10 | 11-7 | 11-2 | 9-4 | 10-10 | 10-8 | 9-0 | 9-8 | 9-8 | 8-4 |
| | 24 | 14-6 | 13-0 | 10-10 | 12-7 | 11-9 | 9-10 | 11-2 | 10-10 | 9-2 | 10-2 | 10-2 | 8-8 | 9-6 | 9-6 | 8-3 | 8-8 | 8-8 | 7-10 | 6-10 | 6-10 | 6-10 |
| 362SR300-54 | 12 | 19-9 | 17-3 | 14-7 | 18-0 | 15-8 | 13-3 | 16-8 | 14-7 | 12-3 | 15-8 | 13-8 | 11-7 | 14-10 | 13-0 | 11-0 | 14-3 | 12-6 | 10-6 | 13-3 | 11-7 | 9-9 |
| | 16 | 18-0 | 15-8 | 13-3 | 16-4 | 14-3 | 12-0 | 15-2 | 13-3 | 11-2 | 14-3 | 12-6 | 10-6 | 13-7 | 11-10 | 10-0 | 13-0 | 11-3 | 9-7 | 12-0 | 10-6 | 8-10 |
| | 24 | 15-8 | 13-8 | 11-7 | 14-3 | 12-6 | 10-6 | 13-3 | 11-7 | 9-9 | 12-6 | 10-10 | 9-2 | 11-10 | 10-4 | 8-8 | 11-3 | 9-10 | 8-4 | 10-6 | 9-2 | 7-9 |
| 362SR300-68 | 12 | 21-7 | 18-9 | 15-10 | 19-7 | 17-1 | 14-4 | 18-2 | 15-10 | 13-4 | 17-1 | 14-10 | 12-7 | 16-3 | 14-2 | 12-0 | 15-6 | 13-7 | 11-6 | 14-4 | 12-7 | 10-7 |
| | 16 | 19-7 | 17-1 | 14-4 | 17-9 | 15-6 | 13-1 | 16-6 | 14-4 | 12-2 | 15-6 | 13-7 | 11-6 | 14-9 | 12-10 | 10-10 | 14-1 | 12-3 | 10-4 | 13-1 | 11-6 | 9-8 |
| | 24 | 17-1 | 14-10 | 12-7 | 15-6 | 13-7 | 11-6 | 14-4 | 12-7 | 10-7 | 13-7 | 11-10 | 10-0 | 12-10 | 11-3 | 9-6 | 12-3 | 10-9 | 9-1 | 11-6 | 10-0 | 8-4 |
| 362SR300-97 | 12 | 24-2 | 21-2 | 17-10 | 22-0 | 19-2 | 16-2 | 20-4 | 17-10 | 15-1 | 19-2 | 16-9 | 14-2 | 18-3 | 16-0 | 13-6 | 17-6 | 15-3 | 12-10 | 16-2 | 14-2 | 12-0 |
| | 16 | 22-0 | 19-2 | 16-2 | 20-0 | 17-6 | 14-8 | 18-7 | 16-2 | 13-8 | 17-6 | 15-3 | 12-10 | 16-7 | 14-6 | 12-2 | 15-10 | 13-10 | 11-8 | 14-8 | 12-10 | 10-10 |
| | 24 | 19-2 | 16-9 | 14-2 | 17-6 | 15-3 | 12-10 | 16-2 | 14-2 | 12-0 | 15-3 | 13-3 | 11-2 | 14-6 | 12-8 | 10-8 | 13-10 | 12-1 | 10-2 | 12-10 | 11-2 | 9-6 |

[1] For deflection calculations, listed nominal wind pressures have been adjusted in accordance with footnote (f) to IBC Table 1604.3. No further reductions are allowed.
[2] Studs shall be braced against rotation and lateral movement over their full height.
[3] Listed wind pressures represent the calculated nominal design wind pressure (0.6W based on 2021 and 2018 IBC).

Table 4 continued on the next page.

## TABLE 4—CURTAIN WALLS[1,2,3] (ft-in) (continued)

| Section Identification | Spacing (in.) o.c. | 15 psf | | | 20 psf | | | 25 psf | | | 30 psf | | | 35 psf | | | 40 psf | | | 50 psf | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 |
| 400SR162-33 | 12 | 16-2 | 14-2 | 11-10 | 14-8 | 12-10 | 10-10 | 13-1 | 11-10 | 10-1 | 12-0 | 11-2 | 9-6 | 11-1 | 10-8 | 9-0 | 10-4 | 10-2 | 8-7 | 8-8 | 8-8 | 8-0 |
| | 16 | 14-8 | 12-10 | 10-10 | 12-8 | 11-8 | 9-10 | 11-4 | 10-10 | 9-2 | 10-4 | 10-2 | 8-7 | 9-3 | 9-3 | 8-2 | 8-1 | 8-1 | 7-9 | 6-6 | 6-6 | 6-6 |
| | 24 | 12-0 | 11-2 | 9-6 | 10-4 | 10-2 | 8-7 | 8-8 | 8-8 | 8-0 | 7-2 | 7-2 | 7-2 | 6-2 | 6-2 | 6-2 | 5-4 | 5-4 | 5-4 | 4-3 | 4-3 | 4-3 |
| 400SR162-43 | 12 | 17-7 | 15-4 | 13-0 | 16-0 | 14-0 | 11-9 | 14-10 | 13-0 | 11-0 | 13-10 | 12-2 | 10-3 | 12-10 | 11-7 | 9-9 | 12-0 | 11-1 | 9-4 | 10-9 | 10-3 | 8-8 |
| | 16 | 16-0 | 14-0 | 11-9 | 14-7 | 12-8 | 10-8 | 13-2 | 11-9 | 10-0 | 12-0 | 11-1 | 9-4 | 11-1 | 10-7 | 8-10 | 10-4 | 10-1 | 8-6 | 9-3 | 9-3 | 7-10 |
| | 24 | 13-10 | 12-2 | 10-3 | 12-0 | 11-1 | 9-4 | 10-9 | 10-3 | 8-8 | 9-9 | 9-8 | 8-2 | 9-1 | 9-1 | 7-9 | 8-6 | 8-6 | 7-4 | 6-10 | 6-10 | 6-10 |
| 400SR162-54 | 12 | 18-10 | 16-6 | 13-10 | 17-2 | 15-0 | 12-8 | 15-10 | 13-10 | 11-8 | 15-0 | 13-1 | 11-1 | 14-3 | 12-6 | 10-6 | 13-7 | 11-10 | 10-0 | 12-8 | 11-1 | 9-3 |
| | 16 | 17-2 | 15-0 | 12-8 | 15-7 | 13-7 | 11-6 | 14-6 | 12-8 | 10-8 | 13-7 | 11-10 | 10-0 | 12-10 | 11-3 | 9-6 | 12-4 | 10-9 | 9-1 | 11-6 | 10-0 | 8-6 |
| | 24 | 15-0 | 13-1 | 11-1 | 13-7 | 11-10 | 10-0 | 12-8 | 11-1 | 9-3 | 11-10 | 10-4 | 8-9 | 11-3 | 9-10 | 8-3 | 10-9 | 9-6 | 8-0 | 10-0 | 8-9 | 7-4 |
| 400SR162-68 | 12 | 20-2 | 17-8 | 14-10 | 18-4 | 16-1 | 13-6 | 17-1 | 14-10 | 12-7 | 16-1 | 14-0 | 11-9 | 15-3 | 13-3 | 11-2 | 14-7 | 12-8 | 10-8 | 13-6 | 11-9 | 10-0 |
| | 16 | 18-4 | 16-1 | 13-6 | 16-8 | 14-7 | 12-3 | 15-6 | 13-6 | 11-4 | 14-7 | 12-8 | 10-8 | 13-10 | 12-1 | 10-2 | 13-3 | 11-7 | 9-9 | 12-3 | 10-8 | 9-1 |
| | 24 | 16-1 | 14-0 | 11-9 | 14-7 | 12-8 | 10-8 | 13-6 | 11-9 | 10-0 | 12-8 | 11-1 | 9-4 | 12-1 | 10-7 | 8-10 | 11-7 | 10-1 | 8-6 | 10-8 | 9-4 | 7-10 |
| 400SR162-97 | 12 | 22-3 | 19-6 | 16-4 | 20-3 | 17-8 | 14-10 | 18-9 | 16-4 | 13-10 | 17-8 | 15-6 | 13-1 | 16-9 | 14-8 | 12-4 | 16-1 | 14-1 | 11-10 | 14-10 | 13-1 | 11-0 |
| | 16 | 20-3 | 17-8 | 14-10 | 18-4 | 16-1 | 13-7 | 17-1 | 14-10 | 12-7 | 16-1 | 14-1 | 11-10 | 15-3 | 13-4 | 11-3 | 14-7 | 12-9 | 10-9 | 13-7 | 11-10 | 10-0 |
| | 24 | 17-8 | 15-6 | 13-1 | 16-1 | 14-1 | 11-10 | 14-10 | 13-1 | 11-0 | 14-1 | 12-3 | 10-4 | 13-4 | 11-8 | 9-9 | 12-9 | 11-2 | 9-4 | 11-10 | 10-4 | 8-8 |
| 400SR200-33 | 12 | 17-0 | 14-10 | 12-6 | 15-3 | 13-6 | 11-4 | 13-8 | 12-6 | 10-7 | 12-6 | 11-9 | 9-10 | 11-7 | 11-2 | 9-6 | 10-9 | 10-8 | 9-0 | 8-8 | 8-8 | 8-4 |
| | 16 | 15-3 | 13-6 | 11-4 | 13-3 | 12-3 | 10-3 | 11-10 | 11-4 | 9-7 | 10-9 | 10-8 | 9-0 | 9-3 | 9-3 | 8-7 | 8-1 | 8-1 | 8-1 | 6-6 | 6-6 | 6-6 |
| | 24 | 12-6 | 11-9 | 9-10 | 10-9 | 10-8 | 9-0 | 8-8 | 8-8 | 8-4 | 7-2 | 7-2 | 7-2 | 6-2 | 6-2 | 6-2 | 5-4 | 5-4 | 5-4 | 4-3 | 4-3 | 4-3 |
| 400SR200-43 | 12 | 18-7 | 16-3 | 13-8 | 16-10 | 14-9 | 12-6 | 15-8 | 13-8 | 11-7 | 14-9 | 12-10 | 10-10 | 13-9 | 12-3 | 10-3 | 12-10 | 11-8 | 9-10 | 11-6 | 10-10 | 9-2 |
| | 16 | 16-10 | 14-9 | 12-6 | 15-4 | 13-4 | 11-3 | 14-1 | 12-6 | 10-6 | 12-10 | 11-8 | 9-10 | 11-10 | 11-1 | 9-4 | 11-1 | 10-8 | 9-0 | 10-0 | 9-10 | 8-3 |
| | 24 | 14-9 | 12-10 | 10-10 | 12-10 | 11-8 | 9-10 | 11-6 | 10-10 | 9-2 | 10-6 | 10-3 | 8-7 | 9-8 | 9-8 | 8-2 | 8-8 | 8-8 | 7-10 | 6-10 | 6-10 | 6-10 |
| 400SR200-54 | 12 | 20-0 | 17-4 | 14-8 | 18-1 | 15-10 | 13-4 | 16-9 | 14-8 | 12-4 | 15-10 | 13-9 | 11-8 | 15-1 | 13-2 | 11-1 | 14-4 | 12-7 | 10-7 | 13-4 | 11-8 | 9-10 |
| | 16 | 18-1 | 15-10 | 13-4 | 16-6 | 14-4 | 12-1 | 15-3 | 13-4 | 11-3 | 14-4 | 12-7 | 10-7 | 13-8 | 12-0 | 10-1 | 13-1 | 11-4 | 9-7 | 12-1 | 10-7 | 9-0 |
| | 24 | 15-10 | 13-9 | 11-8 | 14-4 | 12-7 | 10-7 | 13-4 | 11-8 | 9-10 | 12-7 | 11-0 | 9-3 | 12-0 | 10-4 | 8-9 | 11-4 | 10-0 | 8-4 | 10-7 | 9-3 | 7-9 |
| 400SR200-68 | 12 | 21-4 | 18-8 | 15-9 | 19-4 | 17-0 | 14-3 | 18-0 | 15-9 | 13-3 | 17-0 | 14-9 | 12-6 | 16-1 | 14-1 | 11-10 | 15-4 | 13-6 | 11-4 | 14-3 | 12-6 | 10-7 |
| | 16 | 19-4 | 17-0 | 14-3 | 17-8 | 15-4 | 13-0 | 16-4 | 14-3 | 12-1 | 15-4 | 13-6 | 11-4 | 14-8 | 12-9 | 10-9 | 14-0 | 12-2 | 10-3 | 13-0 | 11-4 | 9-7 |
| | 24 | 17-0 | 14-9 | 12-6 | 15-4 | 13-6 | 11-4 | 14-3 | 12-6 | 10-7 | 13-6 | 11-9 | 9-10 | 12-9 | 11-2 | 9-4 | 12-2 | 10-8 | 9-0 | 11-4 | 9-10 | 8-4 |
| 400SR200-97 | 12 | 23-8 | 20-8 | 17-4 | 21-6 | 18-9 | 15-9 | 20-0 | 17-4 | 14-8 | 18-9 | 16-4 | 13-9 | 17-9 | 15-7 | 13-1 | 17-1 | 14-10 | 12-7 | 15-9 | 13-9 | 11-8 |
| | 16 | 21-6 | 18-9 | 15-9 | 19-6 | 17-1 | 14-4 | 18-1 | 15-9 | 13-4 | 17-1 | 14-10 | 12-7 | 16-2 | 14-2 | 11-10 | 15-6 | 13-6 | 11-4 | 14-4 | 12-7 | 10-7 |
| | 24 | 18-9 | 16-4 | 13-9 | 17-1 | 14-10 | 12-7 | 15-9 | 13-9 | 11-8 | 14-10 | 13-0 | 11-0 | 14-2 | 12-4 | 10-4 | 13-6 | 11-9 | 10-0 | 12-7 | 11-0 | 9-3 |
| 400SR250-33 | 12 | 17-8 | 15-4 | 13-0 | 15-10 | 14-0 | 11-9 | 14-2 | 13-0 | 11-0 | 12-10 | 12-3 | 10-3 | 12-0 | 11-7 | 9-9 | 10-9 | 10-9 | 9-4 | 8-8 | 8-8 | 8-8 |
| | 16 | 15-10 | 14-0 | 11-9 | 13-8 | 12-8 | 10-9 | 12-3 | 11-9 | 10-0 | 10-9 | 10-9 | 9-4 | 9-3 | 9-3 | 8-10 | 8-1 | 8-1 | 8-1 | 6-6 | 6-6 | 6-6 |
| | 24 | 12-10 | 12-3 | 10-3 | 10-9 | 10-9 | 9-4 | 8-8 | 8-8 | 8-8 | 7-2 | 7-2 | 7-2 | 6-2 | 6-2 | 6-2 | 5-4 | 5-4 | 5-4 | 4-3 | 4-3 | 4-3 |
| 400SR250-43 | 12 | 19-7 | 17-1 | 14-4 | 17-9 | 15-6 | 13-1 | 16-6 | 14-4 | 12-2 | 15-2 | 13-7 | 11-6 | 14-1 | 12-10 | 10-10 | 13-2 | 12-3 | 10-4 | 11-9 | 11-6 | 9-8 |
| | 16 | 17-9 | 15-6 | 13-1 | 16-2 | 14-1 | 11-10 | 14-6 | 13-1 | 11-1 | 13-2 | 12-3 | 10-4 | 12-2 | 11-8 | 9-10 | 11-4 | 11-2 | 9-6 | 10-2 | 10-2 | 8-9 |
| | 24 | 15-2 | 13-7 | 11-6 | 13-2 | 12-3 | 10-4 | 11-9 | 11-6 | 9-8 | 10-9 | 10-9 | 9-1 | 9-10 | 9-10 | 8-7 | 8-8 | 8-8 | 8-3 | 6-10 | 6-10 | 6-10 |
| 400SR250-54 | 12 | 20-9 | 18-1 | 15-3 | 18-10 | 16-6 | 13-10 | 17-6 | 15-3 | 12-10 | 16-6 | 14-4 | 12-1 | 15-8 | 13-8 | 11-6 | 15-0 | 13-1 | 11-0 | 13-10 | 12-1 | 10-2 |
| | 16 | 18-10 | 16-6 | 13-10 | 17-1 | 15-0 | 12-7 | 15-10 | 13-10 | 11-8 | 15-0 | 13-1 | 11-0 | 14-2 | 12-4 | 10-6 | 13-7 | 11-10 | 10-0 | 12-7 | 11-0 | 9-3 |
| | 24 | 16-6 | 14-4 | 12-1 | 15-0 | 13-1 | 11-0 | 13-10 | 12-1 | 10-2 | 13-1 | 11-4 | 9-7 | 12-4 | 10-10 | 9-2 | 11-10 | 10-4 | 8-9 | 11-0 | 9-7 | 8-1 |
| 400SR250-68 | 12 | 22-6 | 19-7 | 16-7 | 20-4 | 17-10 | 15-1 | 19-0 | 16-7 | 14-0 | 17-10 | 15-7 | 13-2 | 17-0 | 14-9 | 12-6 | 16-2 | 14-2 | 12-0 | 15-1 | 13-2 | 11-1 |
| | 16 | 20-4 | 17-10 | 15-1 | 18-7 | 16-2 | 13-8 | 17-2 | 15-1 | 12-8 | 16-2 | 14-2 | 12-0 | 15-4 | 13-6 | 11-4 | 14-8 | 12-10 | 10-10 | 13-8 | 12-0 | 10-1 |
| | 24 | 17-10 | 15-7 | 13-2 | 16-2 | 14-2 | 12-0 | 15-1 | 13-2 | 11-1 | 14-2 | 12-4 | 10-4 | 13-6 | 11-9 | 9-10 | 12-10 | 11-2 | 9-6 | 12-0 | 10-4 | 8-9 |
| 400SR250-97 | 12 | 25-0 | 21-10 | 18-4 | 22-8 | 19-10 | 16-9 | 21-1 | 18-4 | 15-7 | 19-10 | 17-4 | 14-7 | 18-10 | 16-6 | 13-10 | 18-0 | 15-9 | 13-3 | 16-9 | 14-7 | 12-3 |
| | 16 | 22-8 | 19-10 | 16-9 | 20-8 | 18-0 | 15-2 | 19-2 | 16-9 | 14-1 | 18-0 | 15-9 | 13-3 | 17-1 | 15-0 | 12-7 | 16-4 | 14-3 | 12-1 | 15-2 | 13-3 | 11-2 |
| | 24 | 19-10 | 17-4 | 14-7 | 18-0 | 15-9 | 13-3 | 16-9 | 14-7 | 12-3 | 15-9 | 13-9 | 11-7 | 15-0 | 13-1 | 11-0 | 14-3 | 12-6 | 10-7 | 13-3 | 11-7 | 9-9 |
| 400SR300-33 | 12 | 18-2 | 15-10 | 13-4 | 16-2 | 14-4 | 12-2 | 14-6 | 13-4 | 11-3 | 13-2 | 12-7 | 10-7 | 12-2 | 12-0 | 10-1 | 10-9 | 10-9 | 9-8 | 8-8 | 8-8 | 8-8 |
| | 16 | 16-2 | 14-4 | 12-2 | 14-0 | 13-1 | 11-1 | 12-6 | 12-2 | 10-3 | 10-9 | 10-9 | 9-8 | 9-3 | 9-3 | 9-2 | 8-1 | 8-1 | 8-1 | 6-6 | 6-6 | 6-6 |
| | 24 | 13-2 | 12-7 | 10-7 | 10-9 | 10-9 | 9-8 | 8-8 | 8-8 | 8-8 | 7-2 | 7-2 | 7-2 | 6-2 | 6-2 | 6-2 | 5-4 | 5-4 | 5-4 | 4-3 | 4-3 | 4-3 |
| 400SR300-43 | 12 | 20-1 | 17-7 | 14-9 | 18-3 | 16-0 | 13-6 | 16-10 | 14-9 | 12-6 | 15-4 | 14-0 | 11-9 | 14-3 | 13-3 | 11-2 | 13-4 | 12-8 | 10-8 | 12-0 | 11-9 | 9-10 |
| | 16 | 18-3 | 16-0 | 13-6 | 16-4 | 14-6 | 12-2 | 14-7 | 13-6 | 11-4 | 13-4 | 12-8 | 10-8 | 12-4 | 12-1 | 10-2 | 11-7 | 11-6 | 9-8 | 10-4 | 10-4 | 9-0 |
| | 24 | 15-4 | 14-0 | 11-9 | 13-4 | 12-8 | 10-8 | 12-0 | 11-9 | 9-10 | 10-10 | 10-10 | 9-3 | 9-10 | 9-10 | 8-10 | 8-8 | 8-8 | 8-6 | 6-10 | 6-10 | 6-10 |
| 400SR300-54 | 12 | 21-3 | 18-7 | 15-8 | 19-4 | 16-10 | 14-3 | 18-0 | 15-8 | 13-3 | 16-10 | 14-9 | 12-6 | 16-1 | 14-0 | 11-9 | 15-4 | 13-4 | 11-3 | 14-3 | 12-6 | 10-6 |
| | 16 | 19-4 | 16-10 | 14-3 | 17-7 | 15-4 | 13-0 | 16-3 | 14-3 | 12-0 | 15-4 | 13-4 | 11-3 | 14-7 | 12-9 | 10-9 | 14-0 | 12-2 | 10-3 | 13-0 | 11-3 | 9-7 |
| | 24 | 16-10 | 14-9 | 12-6 | 15-4 | 13-4 | 11-3 | 14-3 | 12-6 | 10-6 | 13-4 | 11-8 | 9-10 | 12-9 | 11-2 | 9-4 | 12-2 | 10-8 | 9-0 | 11-2 | 9-10 | 8-4 |
| 400SR300-68 | 12 | 23-2 | 20-3 | 17-1 | 21-1 | 18-4 | 15-6 | 19-7 | 17-1 | 14-4 | 18-4 | 16-1 | 13-7 | 17-6 | 15-3 | 12-10 | 16-8 | 14-7 | 12-3 | 15-6 | 13-7 | 11-4 |
| | 16 | 21-1 | 18-4 | 15-6 | 19-2 | 16-8 | 14-1 | 17-9 | 15-6 | 13-1 | 16-8 | 14-7 | 12-3 | 15-10 | 13-10 | 11-8 | 15-2 | 13-3 | 11-2 | 14-1 | 12-3 | 10-4 |
| | 24 | 18-4 | 16-1 | 13-7 | 16-8 | 14-7 | 12-3 | 15-6 | 13-7 | 11-4 | 14-7 | 12-9 | 10-9 | 13-10 | 12-1 | 10-2 | 13-3 | 11-7 | 9-9 | 12-3 | 10-9 | 9-1 |
| 400SR300-97 | 12 | 26-1 | 22-9 | 19-2 | 23-8 | 20-8 | 17-6 | 22-0 | 19-2 | 16-2 | 20-8 | 18-1 | 15-3 | 19-8 | 17-2 | 14-6 | 18-9 | 16-4 | 13-10 | 17-6 | 15-3 | 12-10 |
| | 16 | 23-8 | 20-8 | 17-6 | 21-7 | 18-9 | 15-10 | 20-0 | 17-6 | 14-8 | 18-9 | 16-4 | 13-10 | 17-10 | 15-7 | 13-2 | 17-1 | 14-10 | 12-7 | 15-10 | 13-10 | 11-8 |
| | 24 | 20-8 | 18-1 | 15-3 | 18-9 | 16-4 | 13-10 | 17-6 | 15-3 | 12-10 | 16-4 | 14-4 | 12-1 | 15-7 | 13-7 | 11-6 | 14-10 | 13-1 | 11-0 | 13-10 | 12-1 | 10-2 |

[1] For deflection calculations, listed nominal wind pressures have adjusted in accordance with footnote (f) to IBC Table 1604.3. No further reductions are allowed.
[2] Studs shall be braced against rotation and lateral movement over their full height.
[3] Listed wind pressures represent the calculated nominal design wind pressure (0.6W based on 2021 and 2018 IBC).

Table 4 continued on next page.

## TABLE 4—CURTAIN WALLS[1,2,3] (ft-in) (continued)

| Section Identification | Spacing (in.) o.c. | 15 psf | | | 20 psf | | | 25 psf | | | 30 psf | | | 35 psf | | | 40 psf | | | 50 psf | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 |
| 600SR162-33 | 12 | 22-1 | 19-3 | 16-3 | 19-1 | 17-7 | 14-9 | 17-1 | 16-3 | 13-9 | 14-4 | 14-4 | 12-10 | 12-4 | 12-4 | 12-3 | 10-9 | 10-9 | 10-9 | 8-8 | 8-8 | 8-8 |
| | 16 | 19-1 | 17-7 | 14-9 | 16-2 | 16-0 | 13-6 | 13-0 | 13-0 | 12-6 | 10-9 | 10-9 | 10-9 | 9-3 | 9-3 | 9-3 | 8-1 | 8-1 | 8-1 | 6-6 | 6-6 | 6-6 |
| | 24 | 14-4 | 14-4 | 12-10 | 10-9 | 10-9 | 10-9 | 8-8 | 8-8 | 8-8 | 7-2 | 7-2 | 7-2 | 6-2 | 6-2 | 6-2 | 5-4 | 5-4 | 5-4 | 4-3 | 4-3 | 4-3 |
| 600SR162-43 | 12 | 24-1 | 21-0 | 17-9 | 21-10 | 19-1 | 16-1 | 19-9 | 17-9 | 15-0 | 18-1 | 16-8 | 14-1 | 16-9 | 15-10 | 13-4 | 15-8 | 15-2 | 12-9 | 13-9 | 13-9 | 11-10 |
| | 16 | 21-10 | 19-1 | 16-1 | 19-2 | 17-4 | 14-8 | 17-2 | 16-1 | 13-7 | 15-8 | 15-2 | 12-9 | 14-6 | 14-4 | 12-2 | 13-0 | 13-0 | 11-7 | 10-4 | 10-4 | 10-4 |
| | 24 | 18-1 | 16-8 | 14-1 | 15-8 | 15-2 | 12-9 | 13-9 | 13-9 | 11-10 | 11-6 | 11-6 | 11-2 | 9-10 | 9-10 | 9-10 | 8-8 | 8-8 | 8-8 | 6-10 | 6-10 | 6-10 |
| 600SR162-54 | 12 | 25-9 | 22-7 | 19-0 | 23-6 | 20-6 | 17-3 | 21-9 | 19-0 | 16-1 | 20-6 | 17-10 | 15-1 | 19-6 | 17-0 | 14-4 | 18-7 | 16-3 | 13-8 | 17-3 | 15-1 | 12-8 |
| | 16 | 23-6 | 20-6 | 17-3 | 21-3 | 18-7 | 15-8 | 19-9 | 17-3 | 14-7 | 18-7 | 16-3 | 13-8 | 17-8 | 15-6 | 13-0 | 16-10 | 14-9 | 12-6 | 15-8 | 13-8 | 11-7 |
| | 24 | 20-6 | 17-10 | 15-1 | 18-7 | 16-3 | 13-8 | 17-3 | 15-1 | 12-8 | 16-3 | 14-2 | 12-0 | 15-6 | 13-6 | 11-4 | 14-9 | 12-10 | 10-10 | 13-3 | 12-0 | 10-1 |
| 600SR162-68 | 12 | 27-8 | 24-2 | 20-4 | 25-2 | 22-0 | 18-6 | 23-4 | 20-4 | 17-2 | 22-0 | 19-2 | 16-2 | 20-10 | 18-2 | 15-4 | 20-0 | 17-4 | 14-8 | 18-6 | 16-2 | 13-8 |
| | 16 | 25-2 | 22-0 | 18-6 | 22-10 | 20-0 | 16-9 | 21-2 | 18-6 | 15-7 | 20-0 | 17-4 | 14-8 | 19-0 | 16-7 | 14-0 | 18-1 | 15-10 | 13-4 | 16-9 | 14-8 | 12-4 |
| | 24 | 22-0 | 19-2 | 16-2 | 20-0 | 17-4 | 14-8 | 18-6 | 16-2 | 13-8 | 17-4 | 15-2 | 12-10 | 16-7 | 14-6 | 12-2 | 15-10 | 13-9 | 11-8 | 14-8 | 12-10 | 10-9 |
| 600SR162-97 | 12 | 30-8 | 26-9 | 22-7 | 27-10 | 24-3 | 20-6 | 25-10 | 22-7 | 19-1 | 24-3 | 21-3 | 17-10 | 23-1 | 20-2 | 17-0 | 22-1 | 19-3 | 16-3 | 20-6 | 17-10 | 15-1 |
| | 16 | 27-10 | 24-3 | 20-6 | 25-3 | 22-1 | 18-8 | 23-6 | 20-6 | 17-3 | 22-1 | 19-3 | 16-3 | 21-0 | 18-4 | 15-6 | 20-1 | 17-7 | 14-9 | 18-8 | 16-3 | 13-8 |
| | 24 | 24-3 | 21-3 | 17-10 | 22-1 | 19-3 | 16-3 | 20-6 | 17-10 | 15-1 | 19-3 | 16-10 | 14-2 | 18-4 | 16-0 | 13-6 | 17-7 | 15-3 | 12-10 | 16-3 | 14-2 | 12-0 |
| 600SR200-33 | 12 | 23-0 | 20-2 | 17-1 | 19-10 | 18-4 | 15-6 | 17-3 | 17-1 | 14-4 | 14-4 | 14-4 | 13-6 | 12-4 | 12-4 | 12-4 | 10-9 | 10-9 | 10-9 | 8-8 | 8-8 | 8-8 |
| | 16 | 19-10 | 18-4 | 15-6 | 16-2 | 16-2 | 14-1 | 13-0 | 13-0 | 13-0 | 10-9 | 10-9 | 10-9 | 9-3 | 9-3 | 9-3 | 8-1 | 8-1 | 8-1 | 6-6 | 6-6 | 6-6 |
| | 24 | 14-4 | 14-4 | 13-6 | 10-9 | 10-9 | 10-9 | 8-8 | 8-8 | 8-8 | 7-2 | 7-2 | 7-2 | 6-2 | 6-2 | 6-2 | 5-4 | 5-4 | 5-4 | 4-3 | 4-3 | 4-3 |
| 600SR200-43 | 12 | 25-3 | 22-1 | 18-8 | 23-0 | 20-1 | 17-0 | 21-1 | 18-8 | 15-8 | 19-3 | 17-7 | 14-9 | 17-9 | 16-8 | 14-1 | 16-8 | 16-0 | 13-6 | 13-9 | 13-9 | 12-6 |
| | 16 | 23-0 | 20-1 | 17-0 | 20-4 | 18-3 | 15-4 | 18-3 | 17-0 | 14-3 | 16-8 | 16-0 | 13-6 | 14-9 | 14-9 | 12-9 | 13-0 | 13-0 | 12-2 | 10-4 | 10-4 | 10-4 |
| | 24 | 19-3 | 17-7 | 14-9 | 16-8 | 16-0 | 13-6 | 13-9 | 13-9 | 12-6 | 11-6 | 11-6 | 11-6 | 9-10 | 9-10 | 9-10 | 8-8 | 8-8 | 8-8 | 6-10 | 6-10 | 6-10 |
| 600SR200-54 | 12 | 27-2 | 23-9 | 20-0 | 24-8 | 21-7 | 18-2 | 22-10 | 20-0 | 16-10 | 21-7 | 18-10 | 15-10 | 20-6 | 17-10 | 15-1 | 19-7 | 17-1 | 14-6 | 18-2 | 15-10 | 13-4 |
| | 16 | 24-8 | 21-7 | 18-2 | 22-6 | 19-7 | 16-6 | 20-9 | 18-2 | 15-4 | 19-7 | 17-1 | 14-6 | 18-7 | 16-3 | 13-8 | 17-9 | 15-7 | 13-1 | 16-6 | 14-6 | 12-2 |
| | 24 | 21-7 | 18-10 | 15-10 | 19-7 | 17-1 | 14-6 | 18-2 | 15-10 | 13-4 | 17-1 | 15-0 | 12-7 | 16-3 | 14-2 | 12-0 | 15-7 | 13-7 | 11-6 | 13-10 | 12-7 | 10-7 |
| 600SR200-68 | 12 | 29-2 | 25-6 | 21-6 | 26-6 | 23-2 | 19-6 | 24-7 | 21-6 | 18-1 | 23-2 | 20-2 | 17-1 | 22-0 | 19-2 | 16-2 | 21-0 | 18-4 | 15-6 | 19-6 | 17-1 | 14-4 |
| | 16 | 26-6 | 23-2 | 19-6 | 24-1 | 21-0 | 17-8 | 22-4 | 19-6 | 16-6 | 21-0 | 18-4 | 15-6 | 20-0 | 17-6 | 14-8 | 19-1 | 16-8 | 14-1 | 17-8 | 15-6 | 13-1 |
| | 24 | 23-2 | 20-2 | 17-1 | 21-0 | 18-4 | 15-6 | 19-6 | 17-1 | 14-4 | 18-4 | 16-1 | 13-6 | 17-6 | 15-3 | 12-10 | 16-8 | 14-7 | 12-3 | 15-6 | 13-6 | 11-4 |
| 600SR200-97 | 12 | 32-4 | 28-3 | 23-10 | 29-4 | 25-8 | 21-8 | 27-3 | 23-10 | 20-1 | 25-8 | 22-4 | 18-10 | 24-4 | 21-3 | 18-0 | 23-3 | 20-4 | 17-2 | 21-8 | 18-10 | 16-0 |
| | 16 | 29-4 | 25-8 | 21-8 | 26-8 | 23-3 | 19-8 | 24-9 | 21-8 | 18-3 | 23-3 | 20-4 | 17-2 | 22-2 | 19-4 | 16-3 | 21-2 | 18-6 | 15-7 | 19-8 | 17-2 | 14-6 |
| | 24 | 25-8 | 22-4 | 18-10 | 23-3 | 20-4 | 17-2 | 21-8 | 18-10 | 16-0 | 20-4 | 17-9 | 15-0 | 19-4 | 16-10 | 14-3 | 18-6 | 16-2 | 13-8 | 17-2 | 15-0 | 12-8 |
| 600SR250-33 | 12 | 23-8 | 20-10 | 17-8 | 20-6 | 19-0 | 16-0 | 17-3 | 17-3 | 14-10 | 14-4 | 14-4 | 14-0 | 12-4 | 12-4 | 12-4 | 10-9 | 10-9 | 10-9 | 8-8 | 8-8 | 8-8 |
| | 16 | 20-6 | 19-0 | 16-0 | 16-2 | 16-2 | 14-7 | 13-0 | 13-0 | 13-0 | 10-9 | 10-9 | 10-9 | 9-3 | 9-3 | 9-3 | 8-1 | 8-1 | 8-1 | 6-6 | 6-6 | 6-6 |
| | 24 | 14-4 | 14-4 | 14-0 | 10-9 | 10-9 | 10-9 | 8-8 | 8-8 | 8-8 | 7-2 | 7-2 | 7-2 | 6-2 | 6-2 | 6-2 | 5-4 | 5-4 | 5-4 | 4-3 | 4-3 | 4-3 |
| 600SR250-43 | 12 | 26-6 | 23-2 | 19-6 | 24-1 | 21-0 | 17-9 | 21-7 | 19-6 | 16-6 | 19-8 | 18-4 | 15-6 | 18-2 | 17-6 | 14-8 | 17-1 | 16-8 | 14-1 | 13-9 | 13-9 | 13-1 |
| | 16 | 24-1 | 21-0 | 17-9 | 20-10 | 19-1 | 16-1 | 18-8 | 17-9 | 15-0 | 17-1 | 16-8 | 14-1 | 14-9 | 14-9 | 13-4 | 13-0 | 13-0 | 12-9 | 10-4 | 10-4 | 10-4 |
| | 24 | 19-8 | 18-4 | 15-6 | 17-1 | 16-8 | 14-1 | 13-9 | 13-9 | 13-1 | 11-6 | 11-6 | 11-6 | 9-10 | 9-10 | 9-10 | 8-8 | 8-8 | 8-8 | 6-10 | 6-10 | 6-10 |
| 600SR250-54 | 12 | 28-1 | 24-7 | 20-8 | 25-7 | 22-3 | 18-9 | 23-8 | 20-8 | 17-6 | 22-3 | 19-6 | 16-6 | 21-2 | 18-6 | 15-7 | 20-3 | 17-8 | 14-10 | 18-9 | 16-6 | 13-10 |
| | 16 | 25-7 | 22-3 | 18-9 | 23-2 | 20-3 | 17-1 | 21-7 | 18-9 | 15-10 | 20-3 | 17-8 | 14-10 | 19-3 | 16-9 | 14-2 | 18-4 | 16-1 | 13-7 | 17-1 | 14-10 | 12-7 |
| | 24 | 22-3 | 19-6 | 16-6 | 20-3 | 17-8 | 14-10 | 18-9 | 16-6 | 13-10 | 17-8 | 15-6 | 13-1 | 16-9 | 14-8 | 12-4 | 15-10 | 14-1 | 11-10 | 14-3 | 13-1 | 11-0 |
| 600SR250-68 | 12 | 30-6 | 26-7 | 22-6 | 27-8 | 24-2 | 20-4 | 25-8 | 22-6 | 19-0 | 24-2 | 21-1 | 17-9 | 23-0 | 20-1 | 16-10 | 22-0 | 19-2 | 16-2 | 20-4 | 17-9 | 15-0 |
| | 16 | 27-8 | 24-2 | 20-4 | 25-2 | 22-0 | 18-7 | 23-4 | 20-4 | 17-2 | 22-0 | 19-2 | 16-2 | 20-10 | 18-3 | 15-4 | 20-0 | 17-6 | 14-8 | 18-7 | 16-2 | 13-8 |
| | 24 | 24-2 | 21-1 | 17-9 | 22-0 | 19-2 | 16-2 | 20-4 | 17-9 | 15-0 | 19-2 | 16-9 | 14-2 | 18-3 | 15-10 | 13-4 | 17-6 | 15-3 | 12-10 | 16-2 | 14-2 | 11-10 |
| 600SR250-97 | 12 | 34-0 | 29-8 | 25-1 | 30-10 | 27-0 | 22-9 | 28-8 | 25-1 | 21-2 | 27-0 | 23-7 | 19-10 | 25-8 | 22-4 | 18-10 | 24-7 | 21-4 | 18-1 | 22-9 | 19-10 | 16-9 |
| | 16 | 30-10 | 27-0 | 22-9 | 28-1 | 24-7 | 20-8 | 26-1 | 22-9 | 19-2 | 24-7 | 21-4 | 18-1 | 23-3 | 20-4 | 17-2 | 22-3 | 19-6 | 16-4 | 20-8 | 18-1 | 15-3 |
| | 24 | 27-0 | 23-7 | 19-10 | 24-7 | 21-4 | 18-1 | 22-9 | 19-10 | 16-9 | 21-4 | 18-8 | 15-9 | 20-4 | 17-9 | 15-0 | 19-6 | 17-0 | 14-4 | 18-1 | 15-9 | 13-3 |
| 600SR300-33 | 12 | 24-2 | 21-6 | 18-1 | 20-10 | 19-6 | 16-6 | 17-3 | 17-3 | 15-3 | 14-4 | 14-4 | 14-4 | 12-4 | 12-4 | 12-4 | 10-9 | 10-9 | 10-9 | 8-8 | 8-8 | 8-8 |
| | 16 | 20-10 | 19-6 | 16-6 | 16-2 | 16-2 | 15-0 | 13-0 | 13-0 | 13-0 | 10-9 | 10-9 | 10-9 | 9-3 | 9-3 | 9-3 | 8-1 | 8-1 | 8-1 | 6-6 | 6-6 | 6-6 |
| | 24 | 14-4 | 14-4 | 14-4 | 10-9 | 10-9 | 10-9 | 8-8 | 8-8 | 8-8 | 7-2 | 7-2 | 7-2 | 6-2 | 6-2 | 6-2 | 5-4 | 5-4 | 5-4 | 4-3 | 4-3 | 4-3 |
| 600SR300-43 | 12 | 27-2 | 23-9 | 20-0 | 24-4 | 21-7 | 18-2 | 21-9 | 20-0 | 16-10 | 19-10 | 18-10 | 15-10 | 18-4 | 17-10 | 15-1 | 17-2 | 17-1 | 14-6 | 13-9 | 13-9 | 13-4 |
| | 16 | 24-4 | 21-7 | 18-2 | 21-1 | 19-7 | 16-6 | 18-10 | 18-2 | 15-4 | 17-2 | 17-1 | 14-6 | 14-9 | 14-9 | 13-8 | 13-0 | 13-0 | 13-0 | 10-4 | 10-4 | 10-4 |
| | 24 | 19-10 | 18-10 | 15-10 | 17-2 | 17-1 | 14-6 | 13-9 | 13-9 | 13-4 | 11-6 | 11-6 | 11-6 | 9-10 | 9-10 | 9-10 | 8-8 | 8-8 | 8-8 | 6-10 | 6-10 | 6-10 |
| 600SR300-54 | 12 | 28-9 | 25-2 | 21-2 | 26-2 | 22-10 | 19-3 | 24-3 | 21-2 | 17-10 | 22-10 | 20-0 | 16-10 | 21-8 | 19-0 | 16-0 | 20-9 | 18-2 | 15-3 | 19-3 | 16-10 | 14-2 |
| | 16 | 26-2 | 22-10 | 19-3 | 23-9 | 20-9 | 17-6 | 22-1 | 19-3 | 16-3 | 20-9 | 18-2 | 15-3 | 19-8 | 17-3 | 14-7 | 18-10 | 16-6 | 13-10 | 17-6 | 15-3 | 12-10 |
| | 24 | 22-10 | 20-0 | 16-10 | 20-9 | 18-2 | 15-3 | 19-3 | 16-10 | 14-2 | 18-2 | 15-10 | 13-4 | 17-3 | 15-1 | 12-8 | 16-2 | 14-4 | 12-2 | 14-6 | 13-4 | 11-3 |
| 600SR300-68 | 12 | 31-4 | 27-4 | 23-1 | 28-6 | 24-10 | 21-0 | 26-6 | 23-1 | 19-6 | 24-10 | 21-8 | 18-3 | 23-7 | 20-8 | 17-4 | 22-7 | 19-9 | 16-8 | 21-0 | 18-3 | 15-6 |
| | 16 | 28-6 | 24-10 | 21-0 | 25-10 | 22-7 | 19-1 | 24-0 | 21-0 | 17-8 | 22-7 | 19-9 | 16-8 | 21-6 | 18-9 | 15-9 | 20-6 | 17-10 | 15-1 | 19-1 | 16-8 | 14-1 |
| | 24 | 24-10 | 21-8 | 18-3 | 22-7 | 19-9 | 16-8 | 21-0 | 18-3 | 15-6 | 19-9 | 17-3 | 14-7 | 18-9 | 16-4 | 13-9 | 17-10 | 15-8 | 13-2 | 16-7 | 14-7 | 12-3 |
| 600SR300-97 | 12 | 35-4 | 30-10 | 26-0 | 32-1 | 28-1 | 23-8 | 29-9 | 26-0 | 22-0 | 28-1 | 24-6 | 20-8 | 26-8 | 23-3 | 19-7 | 25-6 | 22-3 | 18-9 | 23-8 | 20-8 | 17-4 |
| | 16 | 32-1 | 28-1 | 23-8 | 29-2 | 25-6 | 21-6 | 27-1 | 23-8 | 20-0 | 25-6 | 22-3 | 18-9 | 24-2 | 21-2 | 17-9 | 23-2 | 20-2 | 17-1 | 21-6 | 18-9 | 15-9 |
| | 24 | 28-1 | 24-6 | 20-8 | 25-6 | 22-3 | 18-9 | 23-8 | 20-8 | 17-4 | 22-3 | 19-6 | 16-4 | 21-2 | 18-6 | 15-7 | 20-2 | 17-8 | 14-10 | 18-9 | 16-4 | 13-9 |

[1] For deflection calculations, listed nominal wind pressures have been adjusted in accordance with footnote (f) to IBC Table 1604.3. No further reductions are allowed.
[2] Studs shall be braced against rotation and lateral movement over their full height.
[3] Listed wind pressures represent the calculated nominal design wind pressure (0.6W based on 2021 and 2018 IBC).

Table 4 continued on the next page.

## TABLE 4—CURTAIN WALLS[1,2,3] (ft-in) (continued)

| Section Identification | Spacing (in.) o.c. | 15 psf | | | 20 psf | | | 25 psf | | | 30 psf | | | 35 psf | | | 40 psf | | | 50 psf | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 | L/240 | L/360 | L/600 |
| 800SR162-43 | 12 | 30-0 | 26-2 | 22-1 | 26-8 | 23-9 | 20-1 | 23-10 | 22-1 | 18-8 | 21-9 | 20-9 | 17-7 | 19-9 | 19-9 | 16-8 | 17-3 | 17-3 | 16-0 | 13-9 | 13-9 | 13-9 |
| | 16 | 26-8 | 23-9 | 20-1 | 23-2 | 21-8 | 18-3 | 20-8 | 20-1 | 17-0 | 17-3 | 17-3 | 16-0 | 14-9 | 14-9 | 14-9 | 13-0 | 13-0 | 13-0 | 10-4 | 10-4 | 10-4 |
| | 24 | 21-9 | 20-9 | 17-7 | 17-3 | 17-3 | 16-0 | 13-9 | 13-9 | 13-9 | 11-6 | 11-6 | 11-6 | 9-10 | 9-10 | 9-10 | 8-8 | 8-8 | 8-8 | 6-10 | 6-10 | 6-10 |
| 800SR162-54 | 12 | 32-2 | 28-2 | 23-8 | 29-3 | 25-7 | 21-7 | 27-2 | 23-8 | 20-0 | 25-7 | 22-3 | 18-9 | 24-3 | 21-2 | 17-10 | 23-2 | 20-3 | 17-1 | 21-7 | 18-9 | 15-10 |
| | 16 | 29-3 | 25-7 | 21-7 | 26-7 | 23-2 | 19-7 | 24-8 | 21-7 | 18-2 | 23-2 | 20-3 | 17-1 | 22-1 | 19-3 | 16-3 | 21-1 | 18-4 | 15-7 | 19-7 | 17-1 | 14-4 |
| | 24 | 25-7 | 22-3 | 18-9 | 23-2 | 20-3 | 17-1 | 21-7 | 18-9 | 15-10 | 20-3 | 17-8 | 15-0 | 19-2 | 16-9 | 14-2 | 18-0 | 16-1 | 13-7 | 15-9 | 15-0 | 12-7 |
| 800SR162-68 | 12 | 34-7 | 30-2 | 25-6 | 31-4 | 27-4 | 23-1 | 29-1 | 25-6 | 21-6 | 27-4 | 24-0 | 20-2 | 26-1 | 22-9 | 19-2 | 24-10 | 21-9 | 18-4 | 23-1 | 20-2 | 17-0 |
| | 16 | 31-4 | 27-4 | 23-1 | 28-6 | 24-10 | 21-0 | 26-6 | 23-1 | 19-6 | 24-10 | 21-9 | 18-4 | 23-8 | 20-8 | 17-4 | 22-7 | 19-9 | 16-8 | 21-0 | 18-4 | 15-6 |
| | 24 | 27-4 | 24-0 | 20-2 | 24-10 | 21-9 | 18-4 | 23-1 | 20-2 | 17-0 | 21-9 | 19-0 | 16-0 | 20-8 | 18-1 | 15-2 | 19-9 | 17-3 | 14-7 | 18-2 | 16-0 | 13-6 |
| 800SR162-97 | 12 | 38-3 | 33-4 | 28-2 | 34-9 | 30-4 | 25-7 | 32-3 | 28-2 | 23-9 | 30-4 | 26-6 | 22-4 | 28-10 | 25-2 | 21-3 | 27-7 | 24-1 | 20-3 | 25-7 | 22-4 | 18-10 |
| | 16 | 34-9 | 30-4 | 25-7 | 31-7 | 27-7 | 23-3 | 29-3 | 25-7 | 21-7 | 27-7 | 24-1 | 20-3 | 26-2 | 22-10 | 19-3 | 25-1 | 21-10 | 18-6 | 23-3 | 20-3 | 17-2 |
| | 24 | 30-4 | 26-6 | 22-4 | 27-7 | 24-1 | 20-3 | 25-7 | 22-4 | 18-10 | 24-1 | 21-1 | 17-9 | 22-10 | 20-0 | 16-10 | 21-10 | 19-1 | 16-1 | 20-3 | 17-9 | 15-0 |
| 800SR200-43 | 12 | 31-6 | 27-6 | 23-2 | 28-3 | 25-0 | 21-1 | 25-4 | 23-2 | 19-7 | 23-1 | 21-9 | 18-4 | 19-9 | 19-9 | 17-6 | 17-3 | 17-3 | 16-8 | 13-9 | 13-9 | 13-9 |
| | 16 | 28-3 | 25-0 | 21-1 | 24-6 | 22-8 | 19-2 | 20-9 | 20-9 | 17-9 | 17-3 | 17-3 | 16-8 | 14-9 | 14-9 | 14-9 | 13-0 | 13-0 | 13-0 | 10-4 | 10-4 | 10-4 |
| | 24 | 23-1 | 21-9 | 18-4 | 17-3 | 17-3 | 16-8 | 13-9 | 13-9 | 13-9 | 11-6 | 11-6 | 11-6 | 9-10 | 9-10 | 9-10 | 8-8 | 8-8 | 8-8 | 6-10 | 6-10 | 6-10 |
| 800SR200-54 | 12 | 33-9 | 29-7 | 24-10 | 30-8 | 26-9 | 22-7 | 28-6 | 24-10 | 21-0 | 26-9 | 23-6 | 19-9 | 25-6 | 22-3 | 18-9 | 24-4 | 21-3 | 18-0 | 22-7 | 19-9 | 16-8 |
| | 16 | 30-8 | 26-9 | 22-7 | 27-10 | 24-4 | 20-7 | 25-10 | 22-7 | 19-1 | 24-4 | 21-3 | 18-0 | 23-2 | 20-2 | 17-1 | 22-2 | 19-4 | 16-3 | 20-6 | 18-0 | 15-2 |
| | 24 | 26-9 | 23-6 | 19-9 | 24-4 | 21-3 | 18-0 | 22-7 | 19-9 | 16-8 | 21-3 | 18-7 | 15-8 | 20-0 | 17-8 | 14-10 | 18-8 | 16-10 | 14-3 | 15-9 | 15-8 | 13-2 |
| 800SR200-68 | 12 | 36-3 | 31-8 | 26-8 | 33-0 | 28-9 | 24-3 | 30-7 | 26-8 | 22-7 | 28-9 | 25-2 | 21-2 | 27-4 | 23-10 | 20-2 | 26-2 | 22-10 | 19-3 | 24-3 | 21-2 | 17-10 |
| | 16 | 33-0 | 28-9 | 24-3 | 30-0 | 26-2 | 22-1 | 27-9 | 24-3 | 20-6 | 26-2 | 22-10 | 19-3 | 24-10 | 21-8 | 18-3 | 23-9 | 20-9 | 17-6 | 22-1 | 19-3 | 16-3 |
| | 24 | 28-9 | 25-2 | 21-2 | 26-2 | 22-10 | 19-3 | 24-3 | 21-2 | 17-10 | 22-10 | 20-0 | 16-9 | 21-8 | 19-0 | 16-0 | 20-9 | 18-1 | 15-3 | 19-3 | 16-9 | 14-2 |
| 800SR200-97 | 12 | 40-3 | 35-2 | 29-8 | 36-7 | 32-0 | 27-0 | 34-0 | 29-8 | 25-0 | 32-0 | 27-10 | 23-7 | 30-4 | 26-6 | 22-4 | 29-1 | 25-4 | 21-4 | 27-0 | 23-7 | 19-10 |
| | 16 | 36-7 | 32-0 | 27-0 | 33-3 | 29-1 | 24-6 | 30-10 | 27-0 | 22-9 | 29-1 | 25-4 | 21-4 | 27-7 | 24-1 | 20-3 | 26-4 | 23-1 | 19-6 | 24-6 | 21-4 | 18-1 |
| | 24 | 32-0 | 27-10 | 23-7 | 29-1 | 25-4 | 21-4 | 27-0 | 23-7 | 19-10 | 25-4 | 22-2 | 18-8 | 24-1 | 21-1 | 17-9 | 23-1 | 20-1 | 17-0 | 21-4 | 18-8 | 15-9 |
| 800SR250-43 | 12 | 32-10 | 28-8 | 24-2 | 28-10 | 26-1 | 22-0 | 25-9 | 24-2 | 20-4 | 23-1 | 22-9 | 19-2 | 19-9 | 19-9 | 18-3 | 17-3 | 17-3 | 17-3 | 13-9 | 13-9 | 13-9 |
| | 16 | 28-10 | 26-1 | 22-0 | 25-0 | 23-8 | 20-0 | 20-9 | 20-9 | 18-7 | 17-3 | 17-3 | 17-3 | 14-9 | 14-9 | 14-9 | 13-0 | 13-0 | 13-0 | 10-4 | 10-4 | 10-4 |
| | 24 | 23-1 | 22-9 | 19-2 | 17-3 | 17-3 | 17-3 | 13-9 | 13-9 | 13-9 | 11-6 | 11-6 | 11-6 | 9-10 | 9-10 | 9-10 | 8-8 | 8-8 | 8-8 | 6-10 | 6-10 | 6-10 |
| 800SR250-54 | 12 | 34-10 | 30-6 | 25-8 | 31-8 | 27-8 | 23-3 | 29-4 | 25-8 | 21-8 | 27-8 | 24-2 | 20-4 | 26-3 | 23-0 | 19-4 | 25-2 | 22-0 | 18-6 | 23-3 | 20-4 | 17-2 |
| | 16 | 31-8 | 27-8 | 23-3 | 28-9 | 25-2 | 21-2 | 26-8 | 23-3 | 19-8 | 25-2 | 22-0 | 18-6 | 23-10 | 20-10 | 17-7 | 22-10 | 20-0 | 16-9 | 20-10 | 18-6 | 15-7 |
| | 24 | 27-8 | 24-2 | 20-4 | 25-2 | 22-0 | 18-6 | 23-3 | 20-4 | 17-2 | 22-0 | 19-2 | 16-2 | 20-4 | 18-2 | 15-4 | 19-1 | 17-4 | 14-8 | 15-9 | 15-9 | 13-8 |
| 800SR250-68 | 12 | 37-9 | 33-0 | 27-10 | 34-4 | 30-0 | 25-3 | 31-10 | 27-10 | 23-6 | 30-0 | 26-2 | 22-1 | 28-6 | 24-10 | 21-0 | 27-3 | 23-9 | 20-1 | 25-3 | 22-1 | 18-8 |
| | 16 | 34-4 | 30-0 | 25-3 | 31-2 | 27-3 | 23-0 | 29-0 | 25-3 | 21-4 | 27-3 | 23-9 | 20-1 | 25-10 | 22-7 | 19-1 | 24-9 | 21-7 | 18-3 | 23-0 | 20-1 | 16-10 |
| | 24 | 30-0 | 26-2 | 22-1 | 27-3 | 23-9 | 20-1 | 25-3 | 22-1 | 18-8 | 23-9 | 20-9 | 17-7 | 22-7 | 19-9 | 16-8 | 21-7 | 18-10 | 15-10 | 19-6 | 17-7 | 14-9 |
| 800SR250-97 | 12 | 42-2 | 36-10 | 31-1 | 38-4 | 33-6 | 28-3 | 35-7 | 31-1 | 26-2 | 33-6 | 29-3 | 24-8 | 31-9 | 27-9 | 23-6 | 30-6 | 26-7 | 22-4 | 28-3 | 24-8 | 20-9 |
| | 16 | 38-4 | 33-6 | 28-3 | 34-10 | 30-6 | 25-8 | 32-4 | 28-3 | 23-9 | 30-6 | 26-7 | 22-4 | 28-10 | 25-3 | 21-3 | 27-8 | 24-2 | 20-4 | 25-8 | 22-4 | 18-10 |
| | 24 | 33-6 | 29-3 | 24-8 | 30-6 | 26-7 | 22-4 | 28-3 | 24-8 | 20-9 | 26-7 | 23-2 | 19-7 | 25-3 | 22-1 | 18-7 | 24-2 | 21-1 | 17-9 | 22-4 | 19-7 | 16-6 |
| 800SR300-43 | 12 | 33-7 | 29-4 | 24-9 | 29-1 | 26-8 | 22-6 | 26-0 | 24-9 | 20-10 | 23-1 | 23-1 | 19-8 | 19-9 | 19-9 | 18-8 | 17-3 | 17-3 | 17-3 | 13-9 | 13-9 | 13-9 |
| | 16 | 29-1 | 26-8 | 22-6 | 25-2 | 24-3 | 20-6 | 20-9 | 20-9 | 19-0 | 17-3 | 17-3 | 17-3 | 14-9 | 14-9 | 14-9 | 13-0 | 13-0 | 13-0 | 10-4 | 10-4 | 10-4 |
| | 24 | 23-1 | 23-1 | 19-8 | 17-3 | 17-3 | 17-3 | 13-9 | 13-9 | 13-9 | 11-6 | 11-6 | 11-6 | 9-10 | 9-10 | 9-10 | 8-8 | 8-8 | 8-8 | 6-10 | 6-10 | 6-10 |
| 800SR300-54 | 12 | 35-8 | 31-2 | 26-3 | 32-4 | 28-3 | 23-10 | 30-1 | 26-3 | 22-2 | 28-3 | 24-8 | 20-10 | 26-10 | 23-6 | 19-9 | 25-8 | 22-6 | 19-0 | 23-10 | 20-10 | 17-7 |
| | 16 | 32-4 | 28-3 | 23-10 | 29-6 | 25-8 | 21-8 | 27-3 | 23-10 | 20-1 | 25-8 | 22-6 | 19-0 | 24-4 | 21-4 | 18-0 | 23-4 | 20-4 | 17-2 | 21-1 | 19-0 | 16-0 |
| | 24 | 28-3 | 24-8 | 20-10 | 25-8 | 22-6 | 19-0 | 23-10 | 20-10 | 17-7 | 22-3 | 19-7 | 16-7 | 20-7 | 18-8 | 15-8 | 19-3 | 17-9 | 15-0 | 15-9 | 15-9 | 14-0 |
| 800SR300-68 | 12 | 38-9 | 33-10 | 28-7 | 35-2 | 30-9 | 26-0 | 32-8 | 28-7 | 24-1 | 30-9 | 26-10 | 22-8 | 29-2 | 25-7 | 21-7 | 28-0 | 24-4 | 20-7 | 26-0 | 22-8 | 19-1 |
| | 16 | 35-2 | 30-9 | 26-0 | 32-0 | 28-0 | 23-7 | 29-8 | 26-0 | 21-10 | 28-0 | 24-4 | 20-7 | 26-7 | 23-2 | 19-7 | 25-4 | 22-2 | 18-8 | 23-7 | 20-7 | 17-4 |
| | 24 | 30-9 | 26-10 | 22-8 | 28-0 | 24-4 | 20-7 | 26-0 | 22-8 | 19-1 | 24-4 | 21-3 | 18-0 | 23-2 | 20-3 | 17-1 | 22-1 | 19-4 | 16-4 | 19-9 | 18-0 | 15-2 |
| 800SR300-97 | 12 | 43-8 | 38-2 | 32-2 | 39-8 | 34-8 | 29-3 | 36-10 | 32-2 | 27-2 | 34-8 | 30-3 | 25-7 | 33-0 | 28-9 | 24-3 | 31-6 | 27-6 | 23-2 | 29-3 | 25-7 | 21-7 |
| | 16 | 39-8 | 34-8 | 29-3 | 36-1 | 31-6 | 26-7 | 33-6 | 29-3 | 24-8 | 31-6 | 27-6 | 23-2 | 30-0 | 26-2 | 22-1 | 28-8 | 25-0 | 21-1 | 26-7 | 23-2 | 19-7 |
| | 24 | 34-8 | 30-3 | 25-7 | 31-6 | 27-6 | 23-2 | 29-3 | 25-7 | 21-7 | 27-6 | 24-1 | 20-3 | 26-2 | 22-10 | 19-3 | 25-0 | 21-10 | 18-4 | 23-2 | 20-3 | 17-1 |

[1] For deflection calculations, listed nominal wind pressures have been adjusted in accordance with footnote (f) to IBC Table 1604.3. No further reductions are allowed.
[2] Studs shall be braced against rotation and lateral movement over their full height.
[3] Listed wind pressures represent the calculated nominal design wind pressure (0.6W based on 2021 and 2018 IBC).

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## TABLE 5—COMBINED AXIAL AND LATERAL LOADS
### Allowable Axial Loads Per Stud (kip)

**5 psf Lateral Load (Interior Use Only)**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 362SR162 | | | | | 362SR200 | | | | | 362SR250 | | | | | 362SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 2.22 | 2.97 | 4.51 | 5.75 | 8.38 | 2.64 | 3.66 | 5.66 | 7.15 | 10.2 | 2.85 | 4.12 | 6.31 | 8.26 | 11.7 | 2.97 | 4.21 | 6.36 | 8.64 | 12.8 |
| | 16 | 2.13 | 2.89 | 4.43 | 5.67 | 8.30 | 2.55 | 3.57 | 5.57 | 7.06 | 10.1 | 2.76 | 4.02 | 6.22 | 8.17 | 11.6 | 2.88 | 4.12 | 6.28 | 8.55 | 12.8 |
| | 24 | 1.95 | 2.72 | 4.28 | 5.52 | 8.12 | 2.36 | 3.39 | 5.39 | 6.90 | 9.92 | 2.58 | 3.83 | 6.04 | 7.99 | 11.5 | 2.70 | 3.93 | 6.11 | 8.37 | 12.6 |
| 9 | 12 | 2.06 | 2.79 | 4.21 | 5.38 | 7.85 | 2.46 | 3.44 | 5.25 | 6.66 | 9.51 | 2.67 | 3.90 | 5.93 | 7.69 | 11.0 | 2.80 | 4.00 | 6.00 | 8.17 | 12.2 |
| | 16 | 1.94 | 2.68 | 4.11 | 5.28 | 7.74 | 2.34 | 3.32 | 5.14 | 6.55 | 9.39 | 2.56 | 3.77 | 5.81 | 7.57 | 10.8 | 2.68 | 3.88 | 5.89 | 8.05 | 12.1 |
| | 24 | 1.73 | 2.47 | 3.92 | 5.09 | 7.52 | 2.12 | 3.09 | 4.92 | 6.34 | 9.16 | 2.33 | 3.53 | 5.58 | 7.34 | 10.6 | 2.46 | 3.64 | 5.67 | 7.82 | 11.8 |
| 10 | 12 | 1.88 | 2.58 | 3.88 | 4.97 | 7.25 | 2.26 | 3.18 | 4.81 | 6.12 | 8.75 | 2.47 | 3.65 | 5.51 | 7.07 | 10.1 | 2.60 | 3.76 | 5.59 | 7.58 | 11.4 |
| | 16 | 1.74 | 2.45 | 3.76 | 4.85 | 7.11 | 2.12 | 3.03 | 4.67 | 5.99 | 8.61 | 2.33 | 3.49 | 5.36 | 6.93 | 10.0 | 2.46 | 3.61 | 5.46 | 7.43 | 11.2 |
| | 24 | 1.49 | 2.20 | 3.53 | 4.61 | 6.84 | 1.85 | 2.76 | 4.41 | 5.73 | 8.33 | 2.06 | 3.20 | 5.08 | 6.64 | 9.68 | 2.19 | 3.33 | 5.20 | 7.15 | 11.0 |
| 12 | 12 | 1.48 | 2.11 | 3.13 | 4.04 | 5.91 | 1.82 | 2.61 | 3.86 | 4.96 | 7.14 | 2.03 | 3.04 | 4.49 | 5.76 | 8.29 | 2.16 | 3.22 | 4.75 | 6.34 | 9.39 |
| | 16 | 1.32 | 1.94 | 2.98 | 3.88 | 5.72 | 1.64 | 2.43 | 3.68 | 4.79 | 6.94 | 1.85 | 2.84 | 4.30 | 5.56 | 8.10 | 1.98 | 3.01 | 4.56 | 6.15 | 9.19 |
| | 24 | 1.02[3] | 1.64[4] | 2.70 | 3.59 | 5.38 | 1.32[3] | 2.09 | 3.37 | 4.47 | 6.59 | 1.52[4] | 2.47 | 3.96 | 5.21 | 7.74 | 1.64[4] | 2.64 | 4.22 | 5.78 | 8.82 |
| 14 | 12 | 1.10[4] | 1.64 | 2.43 | 3.16 | 4.61 | 1.39 | 2.04 | 2.97 | 3.87 | 5.58 | 1.58 | 2.40 | 3.48 | 4.50 | 6.55 | 1.71 | 2.63 | 3.88 | 5.12 | 7.47 |
| | 16 | 0.93[3] | 1.45[4] | 2.27 | 2.99 | 4.41 | 1.19[3] | 1.84[4] | 2.79 | 3.68 | 5.37 | 1.38[4] | 2.17 | 3.27 | 4.29 | 6.33 | 1.50[4] | 2.39 | 3.66 | 4.90 | 7.24 |
| | 24 | 0.62[2] | 1.13[3] | 1.98[3] | 2.68[4] | 4.04 | 0.86[3] | 1.48[3] | 2.46[3] | 3.34[4] | 4.99 | 1.02[3] | 1.77[3] | 2.91[4] | 3.91 | 5.93 | 1.13[3] | 1.97[4] | 3.27[4] | 4.48 | 6.83 |
| 16 | 12 | 0.78[3] | 1.22[3] | 1.87[4] | 2.45 | 3.59 | 1.00[3] | 1.54[4] | 2.28 | 3.00 | 4.37 | 1.18[3] | 1.82 | 2.68 | 3.51 | 5.17 | 1.30[3] | 2.07 | 3.06 | 4.02 | 5.94 |
| | 16 | 0.61[2] | 1.03[3] | 1.70[3] | 2.28[4] | 3.38 | 0.81[3] | 1.33[3] | 2.10[3] | 2.81[4] | 4.15 | 0.97[3] | 1.59[3] | 2.47[4] | 3.30 | 4.94 | 1.08[3] | 1.82[4] | 2.84[4] | 3.78 | 5.70 |
| | 24 | 0.31[1] | 0.72[2] | 1.42[2] | 1.97[3] | 3.02[3] | 0.48[2] | 0.98[2] | 1.78[3] | 2.48[3] | 3.78[4] | 0.62[2] | 1.20[3] | 2.12[3] | 2.92[3] | 4.54 | 0.71[2] | 1.38[3] | 2.44[3] | 3.37[4] | 5.27 |

**15 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 362SR162 | | | | | 362SR200 | | | | | 362SR250 | | | | | 362SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.70 | 2.48 | 4.06 | 5.30 | 7.87 | 2.10 | 3.13 | 5.14 | 6.65 | 9.66 | 2.32 | 3.55 | 5.77 | 7.72 | 11.2 | 2.45 | 3.66 | 5.86 | 8.11 | 12.3 |
| | 16 | 1.47 | 2.24 | 3.85 | 5.08 | 7.62 | 1.85 | 2.87 | 4.90 | 6.41 | 9.41 | 2.07 | 3.28 | 5.52 | 7.45 | 10.9 | 2.20 | 3.40 | 5.62 | 7.85 | 12.1 |
| | 24 | 1.03 | 1.81 | 3.45 | 4.66 | 7.15 | 1.38 | 2.39 | 4.43 | 5.96 | 8.92 | 1.59 | 2.77 | 5.03 | 6.95 | 10.5 | 1.72 | 2.90 | 5.15 | 7.35 | 11.6 |
| 9 | 12 | 1.43 | 2.17 | 3.65 | 4.81 | 7.20 | 1.80 | 2.77 | 4.61 | 6.03 | 8.84 | 2.01 | 3.18 | 5.25 | 7.00 | 10.3 | 2.14 | 3.31 | 5.36 | 7.49 | 11.5 |
| | 16 | 1.16 | 1.90 | 3.40 | 4.54 | 6.89 | 1.50 | 2.46 | 4.32 | 5.74 | 8.52 | 1.71 | 2.86 | 4.94 | 6.68 | 10.0 | 1.84 | 2.99 | 5.07 | 7.17 | 11.2 |
| | 24 | 0.66[3] | 1.39[4] | 2.93 | 4.05 | 6.32 | 0.97[4] | 1.91 | 3.77 | 5.20 | 7.92 | 1.16 | 2.26 | 4.35 | 6.07 | 9.35 | 1.29 | 2.39 | 4.51 | 6.56 | 10.6 |
| 10 | 12 | 1.16 | 1.86 | 3.22 | 4.28 | 6.45 | 1.49 | 2.39 | 4.05 | 5.37 | 7.94 | 1.69 | 2.79 | 4.69 | 6.25 | 9.28 | 1.83 | 2.93 | 4.83 | 6.75 | 10.5 |
| | 16 | 0.85[4] | 1.55 | 2.93 | 3.98 | 6.10 | 1.16[4] | 2.05 | 3.72 | 5.04 | 7.57 | 1.36 | 2.42 | 4.33 | 5.87 | 8.90 | 1.48 | 2.55 | 4.48 | 6.38 | 10.2 |
| | 24 | 0.31[3] | 0.98[3] | 2.40[4] | 3.42 | 5.44 | 0.57[3] | 1.43[4] | 3.12 | 4.42 | 6.88 | 0.75[3] | 1.74 | 3.67 | 5.19 | 8.20 | 0.86[3] | 1.87 | 3.84 | 5.68 | 9.42 |
| 12 | 12 | 0.65[3] | 1.24[4] | 2.34 | 3.20 | 4.92 | 0.91[3] | 1.65[4] | 2.96 | 4.04 | 6.11 | 1.08[4] | 1.98 | 3.50 | 4.73 | 7.24 | 1.20[4] | 2.14 | 3.76 | 5.28 | 8.31 |
| | 16 | 0.31[2] | 0.89[3] | 2.01[3] | 2.85[4] | 4.51 | 0.54[3] | 1.27[3] | 2.59[4] | 3.66 | 5.68 | 0.70[3] | 1.55[4] | 3.09 | 4.31 | 6.79 | 0.81[3] | 1.70[4] | 3.34 | 4.83 | 7.83 |
| | 24 | --- | 0.28[2] | 1.45[3] | 2.24[3] | 3.79[4] | --- | 0.60[2] | 1.94[3] | 2.99[3] | 4.91 | --- | 0.81[3] | 2.36[3] | 3.55[4] | 5.98 | 0.12[2] | 0.92[3] | 2.59[3] | 4.02[4] | 6.98 |
| 14 | 12 | 0.24[2] | 0.72[3] | 1.61[3] | 2.28[3] | 3.58 | 0.43[2] | 1.03[3] | 2.05[3] | 2.91[4] | 4.50 | 0.57[3] | 1.27[3] | 2.44[4] | 3.42 | 5.41 | 0.66[3] | 1.43[3] | 2.77[4] | 3.95 | 6.28 |
| | 16 | --- | 0.37[2] | 1.29[2] | 1.93[3] | 3.17[3] | 0.07[2] | 0.64[2] | 1.69[3] | 2.53[3] | 4.06[4] | 0.18[2] | 0.83[3] | 2.04[3] | 2.99[3] | 4.95 | 0.25[2] | 0.96[3] | 2.33[3] | 3.47[4] | 5.78 |
| | 24 | --- | --- | 0.74[1] | 1.34[2] | 2.46[3] | --- | --- | 1.07[2] | 1.87[2] | 3.31[3] | --- | --- | 1.34[2] | 2.25[3] | 4.15[3] | --- | 0.16[2] | 1.56[2] | 2.65[3] | 4.92[4] |
| 16 | 12 | --- | 0.32[2] | 1.06[2] | 1.59[3] | 2.57[3] | 0.08[1] | 0.55[2] | 1.38[3] | 2.06[3] | 3.30[4] | 0.17[2] | 0.71[2] | 1.67[3] | 2.45[3] | 4.03 | 0.24[2] | 0.84[3] | 1.94[3] | 2.84[3] | 4.72 |
| | 16 | --- | --- | 0.76[1] | 1.26[2] | 2.19[3] | --- | 0.18[1] | 1.04[2] | 1.70[2] | 2.88[3] | --- | 0.30[2] | 1.29[2] | 2.04[3] | 3.58[3] | --- | 0.38[2] | 1.52[2] | 2.39[3] | 4.24[4] |
| | 24 | --- | --- | 0.25[1] | 0.70[1] | 1.53[2] | --- | --- | 0.46[1] | 1.09[1] | 2.17[2] | --- | --- | 0.64[1] | 1.34[2] | 2.82[3] | --- | --- | 0.79[1] | 1.61[2] | 3.42[3] |

**20 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 362SR162 | | | | | 362SR200 | | | | | 362SR250 | | | | | 362SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.47 | 2.24 | 3.85 | 5.08 | 7.62 | 1.85 | 2.87 | 4.90 | 6.41 | 9.41 | 2.07 | 3.28 | 5.52 | 7.45 | 10.9 | 2.20 | 3.40 | 5.62 | 7.85 | 12.1 |
| | 16 | 1.17 | 1.95 | 3.58 | 4.80 | 7.31 | 1.53 | 2.55 | 4.59 | 6.11 | 9.08 | 1.75 | 2.94 | 5.19 | 7.11 | 10.6 | 1.88 | 3.06 | 5.31 | 7.52 | 11.7 |
| | 24 | 0.63[3] | 1.40 | 3.07 | 4.27 | 6.70 | 0.95[4] | 1.95 | 4.00 | 5.52 | 8.45 | 1.15 | 2.29 | 4.57 | 6.46 | 10.0 | 1.28 | 2.42 | 4.71 | 6.88 | 11.1 |
| 9 | 12 | 1.16 | 1.90 | 3.40 | 4.54 | 6.89 | 1.50 | 2.46 | 4.32 | 5.74 | 8.52 | 1.71 | 2.86 | 4.94 | 6.68 | 10.0 | 1.84 | 2.99 | 5.07 | 7.17 | 11.2 |
| | 16 | 0.82[4] | 1.55 | 3.08 | 4.21 | 6.50 | 1.14 | 2.09 | 3.95 | 5.37 | 8.12 | 1.34 | 2.45 | 4.54 | 6.27 | 9.55 | 1.47 | 2.58 | 4.69 | 6.76 | 10.8 |
| | 24 | 0.21[3] | 0.93[3] | 2.49[4] | 3.59 | 5.78 | 0.48[3] | 1.40[4] | 3.27 | 4.69 | 7.36 | 0.66[3] | 1.70 | 3.81 | 5.51 | 8.77 | 0.78[3] | 1.83 | 3.98 | 5.98 | 10.0 |
| 10 | 12 | 0.85[4] | 1.55 | 2.93 | 3.98 | 6.10 | 1.16[4] | 2.05 | 3.72 | 5.04 | 7.57 | 1.36 | 2.42 | 4.33 | 5.87 | 8.90 | 1.48 | 2.55 | 4.48 | 6.38 | 10.2 |
| | 16 | 0.48[3] | 1.16[3] | 2.57 | 3.60 | 5.65 | 0.76[3] | 1.63[4] | 3.31 | 4.62 | 7.11 | 0.94[3] | 1.96 | 3.88 | 5.41 | 8.43 | 1.06[4] | 2.09 | 4.05 | 5.90 | 9.66 |
| | 24 | --- | 0.49[3] | 1.93[3] | 2.91[3] | 4.85 | --- | 0.88[3] | 2.57[3] | 3.86[4] | 6.26 | 0.21[3] | 1.14[3] | 3.08[4] | 4.56 | 7.55 | 0.31[3] | 1.25[3] | 3.25[4] | 5.03 | 8.74 |
| 12 | 12 | 0.31[2] | 0.89[3] | 2.01[3] | 2.85[4] | 4.51 | 0.54[3] | 1.27[3] | 2.59[4] | 3.66 | 5.68 | 0.70[3] | 1.55[4] | 3.09 | 4.31 | 6.79 | 0.81[3] | 1.70[4] | 3.34 | 4.83 | 7.83 |
| | 16 | --- | 0.47[2] | 1.63[3] | 2.44[3] | 4.01[4] | 0.11[2] | 0.81[3] | 2.15[3] | 3.20[4] | 5.15 | 0.25[2] | 1.04[3] | 2.59[3] | 3.79[4] | 6.24 | 0.34[3] | 1.17[3] | 2.83[4] | 4.28 | 7.25 |
| | 24 | --- | --- | 0.96[2] | 1.71[2] | 3.15[3] | --- | --- | 1.39[2] | 2.40[3] | 4.24[3] | --- | 0.16[2] | 1.74[3] | 2.88[3] | 5.27[4] | --- | 0.24[2] | 1.94[3] | 3.31[3] | 6.22 |
| 14 | 12 | --- | 0.37[2] | 1.29[2] | 1.93[3] | 3.17[3] | --- | 0.64[2] | 1.69[3] | 2.53[3] | 4.06[4] | 0.18[2] | 0.83[3] | 2.04[3] | 2.99[3] | 4.95 | 0.25[2] | 0.96[3] | 2.33[3] | 3.47[4] | 5.78 |
| | 16 | --- | --- | 0.91[2] | 1.52[2] | 2.68[3] | --- | 0.19[2] | 1.26[2] | 2.08[3] | 3.55[3] | --- | 0.32[2] | 1.56[2] | 2.49[3] | 4.40[4] | --- | 0.41[2] | 1.80[3] | 2.91[3] | 5.20[4] |
| | 24 | --- | --- | 0.27[1] | 0.82[1] | 1.86[2] | --- | --- | 0.54[1] | 1.31[2] | 2.66[2] | --- | --- | 0.74[1] | 1.61[2] | 3.45[3] | --- | --- | 0.91[2] | 1.94[2] | 4.17[3] |
| 16 | 12 | --- | --- | 0.76[1] | 1.26[2] | 2.19[3] | --- | 0.18[1] | 1.04[2] | 1.70[2] | 2.88[3] | --- | 0.30[2] | 1.29[2] | 2.04[3] | 3.58[3] | --- | 0.38[2] | 1.52[2] | 2.39[3] | 4.24[4] |
| | 16 | --- | --- | 0.41[1] | 0.87[1] | 1.73[2] | --- | --- | 0.65[1] | 1.28[2] | 2.40[2] | --- | --- | 0.84[1] | 1.56[2] | 3.06[3] | --- | --- | 1.01[2] | 1.86[2] | 3.68[3] |
| | 24 | --- | --- | | 0.22[1] | 0.97[1] | --- | --- | --- | 0.56[1] | 1.57[1] | --- | --- | --- | 0.74[1] | 2.16[2] | --- | --- | 0.16[1] | 0.95[1] | 2.70[2] |

[1] Deflection meets L/120. [3] Deflection meets L/360. If no note, deflection meets L/720.
[2] Deflection meets L/240. [4] Deflection meets L/600.

Table 5 continued on the next page.

## TABLE 5—COMBINED AXIAL AND LATERAL LOADS (continued)
## Allowable Axial Loads Per Stud (kip)

**25 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 362SR162 | | | | | 362SR200 | | | | | 362SR250 | | | | | 362SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.24 | 2.02 | 3.65 | 4.87 | 7.38 | 1.61 | 2.63 | 4.66 | 6.18 | 9.16 | 1.82 | 3.02 | 5.27 | 7.20 | 10.7 | 1.96 | 3.14 | 5.38 | 7.60 | 11.8 |
| | 16 | 0.89[4] | 1.67 | 3.32 | 4.53 | 7.00 | 1.23 | 2.24 | 4.29 | 5.81 | 8.76 | 1.44 | 2.61 | 4.88 | 6.78 | 10.3 | 1.57 | 2.73 | 5.00 | 7.19 | 11.4 |
| | 24 | 0.25[3] | 1.02[4] | 2.71 | 3.89 | 6.27 | 0.54[3] | 1.53 | 3.58 | 5.11 | 8.00 | 0.73[4] | 1.84 | 4.13 | 6.00 | 9.51 | 0.85[4] | 1.96 | 4.28 | 6.42 | 10.6 |
| 9 | 12 | 0.90[4] | 1.64 | 3.16 | 4.29 | 6.60 | 1.23 | 2.18 | 4.04 | 5.46 | 8.22 | 1.43 | 2.55 | 4.64 | 6.37 | 9.65 | 1.56 | 2.68 | 4.78 | 6.86 | 10.9 |
| | 16 | 0.50[3] | 1.23[4] | 2.78 | 3.89 | 6.13 | 0.80[3] | 1.73 | 3.60 | 5.02 | 7.73 | 0.99[4] | 2.07 | 4.17 | 5.88 | 9.15 | 1.11[4] | 2.20 | 4.33 | 6.36 | 10.4 |
| | 24 | --- | 0.50[3] | 2.08[3] | 3.16[4] | 5.28 | --- | 0.93[3] | 2.81[4] | 4.22 | 6.83 | 0.20[3] | 1.19[3] | 3.31[4] | 4.98 | 8.23 | 0.30[3] | 1.31[4] | 3.48 | 5.44 | 9.41 |
| 10 | 12 | 0.57[3] | 1.26[4] | 2.65 | 3.69 | 5.76 | 0.86[3] | 1.73 | 3.41 | 4.72 | 7.22 | 1.04[4] | 2.07 | 3.99 | 5.52 | 8.54 | 1.17[4] | 2.20 | 4.15 | 6.02 | 9.78 |
| | 16 | 0.15[3] | 0.81[3] | 2.24[3] | 3.24[4] | 5.24 | 0.39[3] | 1.24[3] | 2.93[4] | 4.23 | 6.67 | 0.56[3] | 1.53[4] | 3.47 | 4.97 | 7.98 | 0.67[3] | 1.66[4] | 3.64 | 5.46 | 9.19 |
| | 24 | --- | --- | 1.49[3] | 2.45[3] | 4.30[4] | --- | 0.38[3] | 2.08[3] | 3.35[3] | 5.68 | --- | 0.58[3] | 2.53[3] | 3.99[4] | 6.94 | --- | 0.68[3] | 2.70[3] | 4.43[4] | 8.11 |
| 12 | 12 | --- | 0.57[3] | 1.72[3] | 2.54[3] | 4.13 | 0.22[2] | 0.92[3] | 2.25[3] | 3.31[4] | 5.28 | 0.36[3] | 1.16[3] | 2.71[3] | 3.91 | 6.37 | 0.45[3] | 1.29[3] | 2.95[4] | 4.41 | 7.39 |
| | 16 | --- | 0.10[2] | 1.28[2] | 2.06[3] | 3.57[3] | --- | 0.40[2] | 1.75[3] | 2.79[3] | 4.68[4] | --- | 0.58[3] | 2.15[3] | 3.32[3] | 5.74 | --- | 0.68[3] | 2.37[3] | 3.77[4] | 6.72 |
| | 24 | --- | --- | 0.52[1] | 1.23[2] | 2.58[3] | --- | --- | 0.89[2] | 1.87[2] | 3.63[3] | --- | --- | 1.17[2] | 2.28[3] | 4.62[3] | --- | --- | 1.35[2] | 2.66[3] | 5.53[3] |
| 14 | 12 | --- | --- | 1.00[2] | 1.62[2] | 2.80[3] | --- | 0.29[2] | 1.36[2] | 2.18[3] | 3.67[3] | --- | 0.44[2] | 1.67[3] | 2.61[3] | 4.53[4] | --- | 0.54[2] | 1.93[3] | 3.04[3] | 5.34 |
| | 16 | --- | --- | 0.57[1] | 1.16[2] | 2.25[2] | --- | --- | 0.88[2] | 1.68[2] | 3.09[3] | --- | --- | 1.13[2] | 2.03[2] | 3.90[3] | --- | --- | 1.34[2] | 2.41[3] | 4.66[3] |
| | 24 | --- | --- | --- | 0.37[1] | 1.32[1] | --- | --- | --- | 0.81[1] | 2.08[2] | --- | --- | 0.21[1] | 1.04[1] | 2.82[2] | --- | --- | 0.32[1] | 1.31[2] | 3.50[3] |
| 16 | 12 | --- | --- | 0.49[1] | 0.96[1] | 1.84[2] | --- | --- | 0.74[1] | 1.38[2] | 2.51[3] | --- | --- | 0.95[2] | 1.67[2] | 3.18[3] | --- | --- | 1.13[2] | 1.98[2] | 3.81[3] |
| | 16 | --- | --- | --- | 0.53[1] | 1.33[1] | --- | --- | 0.29[1] | 0.91[1] | 1.96[2] | --- | --- | 0.44[1] | 1.13[1] | 2.59[2] | --- | --- | 0.57[1] | 1.38[2] | 3.17[3] |
| | 24 | --- | --- | --- | --- | 0.47[1] | --- | --- | --- | 0.10[1] | 1.03[1] | --- | --- | --- | 0.21[1] | 1.58[1] | --- | --- | --- | 0.36[1] | 2.07[2] |

**30 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 362SR162 | | | | | 362SR200 | | | | | 362SR250 | | | | | 362SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.03 | 1.81 | 3.45 | 4.66 | 7.15 | 1.38 | 2.39 | 4.43 | 5.96 | 8.92 | 1.59 | 2.77 | 5.03 | 6.95 | 10.5 | 1.72 | 2.90 | 5.15 | 7.35 | 11.6 |
| | 16 | 0.63[3] | 1.40 | 3.07 | 4.27 | 6.70 | 0.95[4] | 1.95 | 4.00 | 5.52 | 8.45 | 1.15 | 2.29 | 4.57 | 6.46 | 10.0 | 1.28 | 2.42 | 4.71 | 6.88 | 11.1 |
| | 24 | | 0.65[3] | 2.37[4] | 3.53 | 5.85 | 0.16[3] | 1.13[4] | 3.19 | 4.71 | 7.56 | 0.34[3] | 1.41[4] | 3.71 | 5.56 | 9.06 | 0.45[3] | 1.53 | 3.87 | 5.97 | 10.2 |
| 9 | 12 | 0.66[3] | 1.39[4] | 2.93 | 4.05 | 6.32 | 0.97[4] | 1.91 | 3.77 | 5.20 | 7.92 | 1.16 | 2.26 | 4.35 | 6.07 | 9.35 | 1.29 | 2.39 | 4.51 | 6.56 | 10.6 |
| | 16 | 0.21[3] | 0.93[3] | 2.49[4] | 3.59 | 5.78 | 0.48[3] | 1.40[4] | 3.27 | 4.69 | 7.36 | 0.66[3] | 1.70 | 3.81 | 5.51 | 8.77 | 0.78[3] | 1.83 | 3.98 | 5.98 | 10.0 |
| | 24 | --- | 0.10[2] | 1.70[3] | 2.75[3] | 4.80 | | 0.49[3] | 2.37[3] | 3.77[4] | 6.33 | --- | 0.71[3] | 2.83[3] | 4.47 | 7.71 | --- | 0.81[3] | 3.01[4] | 4.93 | 8.87 |
| 10 | 12 | 0.31[3] | 0.98[3] | 2.40[4] | 3.42 | 5.44 | 0.57[3] | 1.43[4] | 3.12 | 4.42 | 6.88 | 0.75[3] | 1.74 | 3.67 | 5.19 | 8.20 | 0.86[3] | 1.87 | 3.84 | 5.68 | 9.42 |
| | 16 | --- | 0.49[3] | 1.93[3] | 2.91[3] | 4.85 | --- | 0.88[3] | 2.57[3] | 3.86[4] | 6.26 | 0.21[3] | 1.14[3] | 3.08[4] | 4.56 | 7.55 | 0.31[3] | 1.25[3] | 3.25[4] | 5.03 | 8.74 |
| | 24 | --- | --- | 1.09[2] | 2.01[3] | 3.79[3] | --- | --- | 1.62[3] | 2.87[3] | 5.14[4] | --- | --- | 2.02[3] | 3.45[3] | 6.37 | --- | 0.15[3] | 2.19[3] | 3.87[3] | 7.51 |
| 12 | 12 | --- | 0.28[2] | 1.45[3] | 2.24[3] | 3.79[4] | --- | 0.60[2] | 1.94[3] | 2.99[3] | 4.91 | --- | 0.81[3] | 2.36[3] | 3.55[4] | 5.98 | 0.12[2] | 0.92[3] | 2.59[3] | 4.02[4] | 6.98 |
| | 16 | --- | --- | 0.96[2] | 1.71[2] | 3.15[3] | --- | --- | 1.39[2] | 2.40[3] | 4.24[3] | --- | 0.16[2] | 1.74[3] | 2.88[3] | 5.27[4] | --- | 0.24[2] | 1.94[3] | 3.31[3] | 6.22 |
| | 24 | --- | --- | 0.11[1] | 0.79[1] | 2.06[2] | --- | --- | 0.43[1] | 1.39[2] | 3.07[3] | --- | --- | 0.66[2] | 1.73[2] | 4.02[3] | --- | --- | 0.80[2] | 2.07[2] | 4.88[3] |
| 14 | 12 | --- | --- | 0.74[1] | 1.34[2] | 2.46[3] | --- | --- | 1.07[2] | 1.87[2] | 3.31[3] | --- | --- | 1.34[2] | 2.25[3] | 4.15[3] | --- | 0.16[2] | 1.56[2] | 2.65[3] | 4.92[4] |
| | 16 | --- | --- | 0.27[1] | 0.82[1] | 1.86[2] | --- | --- | 0.54[1] | 1.31[2] | 2.66[2] | --- | --- | 0.74[1] | 1.61[2] | 3.45[3] | --- | --- | 0.91[2] | 1.94[2] | 4.17[3] |
| | 24 | --- | --- | --- | --- | 0.83[1] | --- | --- | --- | 0.35[1] | 1.56[1] | --- | --- | --- | 0.53[1] | 2.25[2] | --- | --- | --- | 0.74[1] | 2.88[2] |
| 16 | 12 | --- | --- | 0.25[1] | 0.70[1] | 1.53[2] | --- | --- | 0.46[1] | 1.09[1] | 2.17[2] | --- | --- | 0.64[1] | 1.34[2] | 2.82[3] | --- | --- | 0.79[1] | 1.61[2] | 3.42[3] |
| | 16 | --- | --- | --- | 0.22[1] | 0.97[1] | --- | --- | --- | 0.56[1] | 1.57[1] | --- | --- | --- | 0.74[1] | 2.16[2] | --- | --- | 0.16[1] | 0.95[1] | 2.70[2] |
| | 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.55[1] | --- | --- | --- | --- | 1.05[1] | --- | --- | --- | --- | 1.49[1] |

**35 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 362SR162 | | | | | 362SR200 | | | | | 362SR250 | | | | | 362SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 0.82[4] | 1.60 | 3.26 | 4.46 | 6.92 | 1.16 | 2.17 | 4.21 | 5.74 | 8.68 | 1.37 | 2.53 | 4.80 | 6.70 | 10.2 | 1.50 | 2.65 | 4.93 | 7.11 | 11.3 |
| | 16 | 0.37[3] | 1.14[4] | 2.83 | 4.02 | 6.41 | 0.67[3] | 1.66 | 3.72 | 5.25 | 8.15 | 0.87[4] | 1.99 | 4.27 | 6.15 | 9.66 | 0.99 | 2.11 | 4.42 | 6.57 | 10.8 |
| | 24 | --- | 0.31[3] | 2.04[3] | 3.19[4] | 5.45 | --- | 0.74[3] | 2.81[4] | 4.33 | 7.14 | --- | 1.00[4] | 3.30[4] | 5.13 | 8.63 | --- | 1.11[4] | 3.47 | 5.54 | 9.76 |
| 9 | 12 | 0.43[3] | 1.15[4] | 2.70 | 3.81 | 6.04 | 0.72[3] | 1.65 | 3.52 | 4.94 | 7.64 | 0.91[4] | 1.97 | 4.08 | 5.79 | 9.06 | 1.03[4] | 2.10 | 4.24 | 6.27 | 10.3 |
| | 16 | --- | 0.64[3] | 2.22[3] | 3.30[4] | 5.44 | 0.18[3] | 1.08[3] | 2.96[4] | 4.37 | 7.01 | 0.35[3] | 1.36[4] | 3.47 | 5.15 | 8.41 | 0.46[3] | 1.48[4] | 3.65 | 5.62 | 9.59 |
| | 24 | --- | --- | 1.34[3] | 2.37[3] | 4.35[4] | --- | --- | 1.96[3] | 3.34[3] | 5.85 | --- | 0.25[3] | 2.38[3] | 3.99[4] | 7.21 | --- | 0.35[3] | 2.56[3] | 4.43[4] | 8.36 |
| 10 | 12 | --- | 0.73[3] | 2.16[3] | 3.16[4] | 5.14 | 0.31[3] | 1.15[3] | 2.84[4] | 4.14 | 6.57 | 0.47[3] | 1.43[4] | 3.37 | 4.87 | 7.87 | 0.58[3] | 1.55[4] | 3.54 | 5.35 | 9.08 |
| | 16 | --- | 0.18[2] | 1.63[3] | 2.60[3] | 4.48[4] | --- | 0.54[3] | 2.24[3] | 3.52[3] | 5.87 | --- | 0.76[3] | 2.71[3] | 4.17[4] | 7.14 | --- | 0.87[3] | 2.88[3] | 4.63 | 8.32 |
| | 24 | --- | --- | 0.72[2] | 1.61[2] | 3.31[3] | --- | --- | 1.19[2] | 2.42[3] | 4.62[3] | --- | --- | 1.54[3] | 2.94[3] | 5.83[4] | --- | --- | 1.71[3] | 3.34[3] | 6.93 |
| 12 | 12 | --- | --- | 1.20[2] | 1.97[3] | 3.46[3] | --- | 0.30[2] | 1.66[3] | 2.69[3] | 4.56[4] | --- | 0.47[2] | 2.04[3] | 3.21[3] | 5.62 | --- | 0.57[3] | 2.26[3] | 3.65[3] | 6.59 |
| | 16 | --- | --- | 0.66[1] | 1.39[2] | 2.77[3] | --- | --- | 1.05[2] | 2.04[2] | 3.82[3] | --- | --- | 1.35[2] | 2.48[3] | 4.83[3] | --- | --- | 1.54[2] | 2.87[3] | 5.75[4] |
| | 24 | --- | --- | --- | 0.39[1] | 1.58[2] | --- | --- | --- | 0.94[1] | 2.54[2] | --- | --- | 0.18[1] | 1.22[2] | 3.46[3] | --- | --- | 0.30[1] | 1.51[2] | 4.28[3] |
| 14 | 12 | --- | --- | 0.49[1] | 1.07[2] | 2.15[2] | --- | --- | 0.79[1] | 1.58[2] | 2.98[3] | --- | --- | 1.03[2] | 1.92[2] | 3.79[3] | --- | --- | 1.23[2] | 2.29[3] | 4.54[3] |
| | 16 | --- | --- | --- | 0.52[1] | 1.49[2] | --- | --- | 0.22[1] | 0.97[1] | 2.27[2] | --- | --- | 0.38[1] | 1.23[2] | 3.02[2] | --- | --- | 0.51[1] | 1.52[2] | 3.71[3] |
| | 24 | --- | --- | --- | --- | 0.38[1] | --- | --- | | | 1.07[1] | --- | --- | --- | --- | 1.72[1] | --- | --- | --- | 0.20[1] | 2.30[2] |
| 16 | 12 | --- | --- | --- | 0.45[1] | 1.24[1] | --- | --- | 0.21[1] | 0.82[1] | 1.86[2] | --- | --- | 0.35[1] | 1.03[1] | 2.48[2] | --- | --- | 0.46[1] | 1.27[2] | 3.05[2] |
| | 16 | --- | --- | --- | --- | 0.63[1] | --- | --- | --- | 0.25[1] | 1.21[1] | --- | --- | --- | 0.38[1] | 1.77[1] | --- | --- | --- | 0.55[1] | 2.27[2] |
| | 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.10[1] | --- | --- | --- | --- | 0.56[1] | --- | --- | --- | --- | 0.96[1] |

[1] Deflection meets L/120. [3] Deflection meets L/360. If no note, deflection meets L/720.
[2] Deflection meets L/240. [4] Deflection meets L/600.

Table 5 continued on next page.

## TABLE 5—COMBINED AXIAL AND LATERAL LOADS (continued)
## Allowable Axial Loads Per Stud (kip)

**40 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 362SR162 | | | | | 362SR200 | | | | | 362SR250 | | | | | 362SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 0.63[3] | 1.40 | 3.07 | 4.27 | 6.70 | 0.95[4] | 1.95 | 4.00 | 5.52 | 8.45 | 1.15 | 2.29 | 4.57 | 6.46 | 10.0 | 1.28 | 2.42 | 4.71 | 6.88 | 11.1 |
| | 16 | 0.13[3] | 0.89[3] | 2.60[4] | 3.77 | 6.13 | 0.41[3] | 1.39[4] | 3.45 | 4.98 | 7.85 | 0.60[3] | 1.69 | 3.99 | 5.85 | 9.36 | 0.72[4] | 1.82 | 4.14 | 6.27 | 10.5 |
| | 24 | --- | --- | 1.73[3] | 2.85[3] | 5.06 | --- | 0.38[3] | 2.45[3] | 3.96[4] | 6.73 | --- | 0.60[3] | 2.91[4] | 4.71 | 8.21 | --- | 0.71[3] | 3.09[4] | 5.12 | 9.33 |
| 9 | 12 | 0.21[3] | 0.93[3] | 2.49[4] | 3.59 | 5.78 | 0.48[3] | 1.40[4] | 3.27 | 4.69 | 7.4 | 0.66[3] | 1.70 | 3.81 | 5.51 | 8.77 | 0.78[3] | 1.83 | 3.98 | 5.98 | 10.0 |
| | 16 | --- | 0.36[3] | 1.95[3] | 3.02[4] | 5.12 | --- | 0.78[3] | 2.66[3] | 4.06[4] | 6.66 | --- | 1.03[3] | 3.15[4] | 4.80 | 8.05 | 0.15[3] | 1.14[4] | 3.32[4] | 5.27 | 9.23 |
| | 24 | --- | --- | 1.00[2] | 2.00[3] | 3.92[3] | --- | --- | 1.56[3] | 2.93[3] | 5.39[4] | --- | --- | 1.95[3] | 3.54[3] | 6.73 | --- | --- | 2.13[3] | 3.96[4] | 7.86 |
| 10 | 12 | --- | 0.49[3] | 1.93[3] | 2.91[3] | 4.85 | --- | 0.88[3] | 2.57[3] | 3.86[4] | 6.26 | 0.21[3] | 1.14[3] | 3.08[4] | 4.56 | 7.55 | 0.31[3] | 1.25[3] | 3.25[4] | 5.03 | 8.74 |
| | 16 | --- | --- | 1.36[3] | 2.30[3] | 4.13[3] | --- | 0.22[2] | 1.92[3] | 3.19[3] | 5.49[4] | --- | 0.41[3] | 2.35[3] | 3.80[4] | 6.75 | --- | 0.50[3] | 2.53[3] | 4.24[4] | 7.90 |
| | 24 | --- | --- | 0.36[2] | 1.22[2] | 2.86[3] | --- | --- | 0.79[2] | 2.00[2] | 4.14[3] | --- | --- | 1.09[2] | 2.46[3] | 5.32[3] | --- | --- | 1.25[2] | 2.84[3] | 6.39[4] |
| 12 | 12 | --- | --- | 0.96[2] | 1.71[2] | 3.15[3] | --- | --- | 1.39[2] | 2.40[3] | 4.24[3] | --- | 0.16[2] | 1.74[3] | 2.88[3] | 5.27[4] | --- | 0.24[2] | 1.94[3] | 3.31[3] | 6.22 |
| | 16 | --- | --- | 0.38[1] | 1.08[2] | 2.41[2] | --- | --- | 0.73[2] | 1.71[2] | 3.43[3] | --- | --- | 1.00[2] | 2.10[2] | 4.41[3] | --- | --- | 1.16[2] | 2.46[3] | 5.31[3] |
| | 24 | --- | --- | --- | --- | 1.12[1] | --- | --- | --- | 0.52[1] | 2.06[2] | --- | --- | --- | 0.74[1] | 2.93[2] | --- | --- | --- | 0.99[2] | 3.72[3] |
| 14 | 12 | --- | --- | 0.27[1] | 0.82[1] | 1.86[2] | --- | --- | 0.54[1] | 1.31[2] | 2.66[2] | --- | --- | 0.74[1] | 1.61[2] | 3.45[3] | --- | --- | 0.91[2] | 1.94[2] | 4.17[3] |
| | 16 | --- | --- | --- | 0.23[1] | 1.15[1] | --- | --- | --- | 0.65[1] | 1.90[2] | --- | --- | --- | 0.87[1] | 2.63[2] | --- | --- | 0.14[1] | 1.11[2] | 3.28[2] |
| | 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.61[1] | --- | --- | --- | --- | 1.23[1] | --- | --- | --- | --- | 1.77[1] |
| 16 | 12 | --- | --- | --- | 0.22[1] | 0.97[1] | --- | --- | --- | 0.56[1] | 1.57[1] | --- | --- | --- | 0.74[1] | 2.16[2] | --- | --- | 0.16[1] | 0.95[1] | 2.70[2] |
| | 16 | --- | --- | --- | --- | 0.31[1] | --- | --- | --- | --- | 0.87[1] | --- | --- | --- | --- | 1.40[1] | --- | --- | --- | 0.18[1] | 1.87[1] |
| | 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.10[1] | --- | --- | --- | --- | 0.46[1] |

**50 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 362SR162 | | | | | 362SR200 | | | | | 362SR250 | | | | | 362SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 0.25[3] | 1.02[4] | 2.71 | 3.89 | 6.27 | 0.54[3] | 1.53 | 3.58 | 5.11 | 8.00 | 0.73[4] | 1.84 | 4.13 | 6.00 | 9.51 | 0.85[4] | 1.96 | 4.28 | 6.42 | 10.6 |
| | 16 | --- | 0.42[3] | 2.15[3] | 3.30[4] | 5.58 | --- | 0.87[3] | 2.94[4] | 4.46 | 7.3 | --- | 1.13[4] | 3.44 | 5.27 | 8.77 | 0.19[3] | 1.25[4] | 3.60 | 5.68 | 9.90 |
| | 24 | --- | --- | 1.13[3] | 2.22[3] | 4.33[4] | --- | --- | 1.76[3] | 3.26[3] | 5.95 | --- | --- | 2.17[3] | 3.92[4] | 7.39 | --- | --- | 2.35[3] | 4.32[4] | 8.50 |
| 9 | 12 | --- | 0.50[3] | 2.08[3] | 3.16[4] | 5.28 | --- | 0.93[3] | 2.81[4] | 4.22 | 6.83 | 0.20[3] | 1.19[3] | 3.31[4] | 4.98 | 8.23 | 0.30[3] | 1.31[4] | 3.48 | 5.44 | 9.41 |
| | 16 | --- | --- | 1.46[3] | 2.49[3] | 4.50[4] | --- | 0.21[3] | 2.09[3] | 3.48[3] | 6.01 | --- | 0.40[3] | 2.53[3] | 4.15[4] | 7.37 | --- | 0.50[3] | 2.71[3] | 4.59 | 8.53 |
| | 24 | --- | --- | 0.36[2] | 1.31[2] | 3.11[3] | --- | --- | 0.83[2] | 2.17[3] | 4.53[3] | --- | --- | 1.15[2] | 2.67[3] | 5.82[4] | --- | --- | 1.32[3] | 3.06[3] | 6.91[4] |
| 10 | 12 | --- | --- | 1.49[3] | 2.45[3] | 4.30[4] | --- | 0.38[3] | 2.08[3] | 3.35[3] | 5.68 | --- | 0.58[3] | 2.53[3] | 3.99[4] | 6.94 | --- | 0.68[3] | 2.70[3] | 4.43[4] | 8.11 |
| | 16 | --- | --- | 0.84[2] | 1.74[2] | 3.47[3] | --- | --- | 1.33[2] | 2.57[3] | 4.79[3] | --- | --- | 1.70[3] | 3.11[3] | 6.01[4] | --- | --- | 1.87[3] | 3.52[3] | 7.12 |
| | 24 | --- | --- | --- | 0.51[1] | 2.01[2] | --- | --- | --- | 1.21[2] | 3.23[3] | --- | --- | 0.25[2] | 1.56[2] | 4.35[3] | --- | --- | 0.39[2] | 1.89[2] | 5.36[3] |
| 12 | 12 | --- | --- | 0.52[1] | 1.23[2] | 2.58[3] | --- | --- | 0.89[2] | 1.87[2] | 3.63[3] | --- | --- | 1.17[2] | 2.28[3] | 4.62[3] | --- | --- | 1.35[2] | 2.66[3] | 5.53[3] |
| | 16 | --- | --- | --- | 0.52[1] | 1.74[2] | --- | --- | 0.14[1] | 1.08[2] | 2.71[2] | --- | --- | 0.33[1] | 1.39[2] | 3.64[3] | --- | --- | 0.46[2] | 1.69[2] | 4.48[3] |
| | 24 | --- | --- | --- | --- | 0.29[1] | --- | --- | --- | --- | 1.15[1] | --- | --- | --- | --- | 1.96[2] | --- | --- | --- | --- | 2.67[2] |
| 14 | 12 | --- | --- | --- | 0.37[1] | 1.32[1] | --- | --- | --- | 0.81[1] | 2.08[2] | --- | --- | 0.21[1] | 1.04[1] | 2.82[2] | --- | --- | 0.32[1] | 1.31[2] | 3.50[3] |
| | 16 | --- | --- | --- | --- | 0.52[1] | --- | --- | --- | --- | 1.23[1] | --- | --- | --- | 0.20[1] | 1.89[2] | --- | --- | --- | 0.38[1] | 2.49[2] |
| | 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.32[1] | --- | --- | --- | --- | 0.78[1] |
| 16 | 12 | --- | --- | --- | --- | 0.47[1] | --- | --- | --- | 0.10[1] | 1.03[1] | --- | --- | --- | 0.21[1] | 1.58[1] | --- | --- | --- | 0.36[1] | 2.07[2] |
| | 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.24[1] | --- | --- | --- | --- | 0.72[1] | --- | --- | --- | --- | 1.13[1] |
| | 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**5 psf Lateral Load (Interior Use Only)**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 400SR162 | | | | | 400SR200 | | | | | 400SR250 | | | | | 400SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 2.51 | 3.35 | 5.20 | 6.60 | 9.54 | 2.95 | 4.10 | 6.51 | 8.20 | 11.6 | 3.17 | 4.54 | 7.02 | 9.27 | 13.4 | 3.30 | 4.64 | 7.19 | 9.63 | 14.5 |
| | 16 | 2.42 | 3.26 | 5.13 | 6.53 | 9.46 | 2.86 | 4.01 | 6.42 | 8.12 | 11.6 | 3.08 | 4.45 | 6.94 | 9.18 | 13.3 | 3.21 | 4.55 | 7.10 | 9.54 | 14.4 |
| | 24 | 2.25 | 3.10 | 4.98 | 6.38 | 9.29 | 2.68 | 3.83 | 6.25 | 7.96 | 11.4 | 2.90 | 4.27 | 6.77 | 9.01 | 13.2 | 3.04 | 4.38 | 6.94 | 9.37 | 14.3 |
| 9 | 12 | 2.36 | 3.18 | 4.93 | 6.28 | 9.08 | 2.79 | 3.89 | 6.14 | 7.76 | 11.0 | 3.01 | 4.34 | 6.73 | 8.85 | 12.7 | 3.14 | 4.45 | 6.85 | 9.24 | 13.8 |
| | 16 | 2.25 | 3.08 | 4.83 | 6.18 | 8.97 | 2.67 | 3.78 | 6.03 | 7.65 | 10.9 | 2.89 | 4.23 | 6.62 | 8.73 | 12.6 | 3.02 | 4.33 | 6.74 | 9.13 | 13.7 |
| | 24 | 2.03 | 2.87 | 4.64 | 5.99 | 8.76 | 2.45 | 3.55 | 5.81 | 7.44 | 10.7 | 2.67 | 3.99 | 6.40 | 8.51 | 12.4 | 2.81 | 4.11 | 6.54 | 8.91 | 13.5 |
| 10 | 12 | 2.19 | 2.99 | 4.62 | 5.90 | 8.54 | 2.60 | 3.66 | 5.72 | 7.26 | 10.3 | 2.82 | 4.12 | 6.39 | 8.38 | 11.9 | 2.95 | 4.23 | 6.47 | 8.80 | 13.1 |
| | 16 | 2.06 | 2.86 | 4.50 | 5.78 | 8.40 | 2.46 | 3.51 | 5.58 | 7.12 | 10.2 | 2.68 | 3.97 | 6.24 | 8.23 | 11.8 | 2.81 | 4.09 | 6.34 | 8.66 | 13.0 |
| | 24 | 1.80 | 2.61 | 4.26 | 5.54 | 8.13 | 2.19 | 3.24 | 5.31 | 6.86 | 9.91 | 2.41 | 3.69 | 5.97 | 7.95 | 11.5 | 2.55 | 3.81 | 6.08 | 8.38 | 12.7 |
| 12 | 12 | 1.80 | 2.54 | 3.89 | 5.01 | 7.26 | 2.18 | 3.11 | 4.77 | 6.12 | 8.75 | 2.39 | 3.58 | 5.49 | 7.07 | 10.1 | 2.53 | 3.72 | 5.61 | 7.62 | 11.5 |
| | 16 | 1.63 | 2.36 | 3.72 | 4.84 | 7.06 | 1.99 | 2.92 | 4.59 | 5.93 | 8.55 | 2.20 | 3.37 | 5.29 | 6.87 | 9.93 | 2.34 | 3.52 | 5.43 | 7.41 | 11.3 |
| | 24 | 1.31[4] | 2.04 | 3.41 | 4.52 | 6.70 | 1.65[4] | 2.56 | 4.25 | 5.59 | 8.17 | 1.85 | 3.00 | 4.92 | 6.48 | 9.55 | 2.00 | 3.15 | 5.08 | 7.03 | 10.9 |
| 14 | 12 | 1.40 | 2.05 | 3.10 | 4.03 | 5.86 | 1.73 | 2.52 | 3.80 | 4.92 | 7.08 | 1.93 | 2.95 | 4.43 | 5.71 | 8.28 | 2.07 | 3.14 | 4.72 | 6.33 | 9.42 |
| | 16 | 1.20[3] | 1.84 | 2.91 | 3.83 | 5.63 | 1.51[4] | 2.30 | 3.59 | 4.70 | 6.84 | 1.71 | 2.70 | 4.20 | 5.47 | 8.03 | 1.85 | 2.90 | 4.49 | 6.08 | 9.16 |
| | 24 | 0.86[3] | 1.48[3] | 2.58[4] | 3.48 | 5.22 | 1.14[3] | 1.90[3] | 3.22 | 4.32 | 6.41 | 1.32[3] | 2.27[4] | 3.78 | 5.04 | 7.58 | 1.45[3] | 2.45 | 4.08 | 5.63 | 8.69 |
| 16 | 12 | 1.03[3] | 1.58[4] | 2.41 | 3.16 | 4.61 | 1.31[4] | 1.97 | 2.94 | 3.85 | 5.59 | 1.49[4] | 2.32 | 3.44 | 4.49 | 6.58 | 1.63 | 2.56 | 3.85 | 5.12 | 7.53 |
| | 16 | 0.83[3] | 1.37[3] | 2.22[4] | 2.96 | 4.37 | 1.09[3] | 1.73[3] | 2.73 | 3.63 | 5.34 | 1.26[3] | 2.07[4] | 3.21 | 4.24 | 6.32 | 1.39[3] | 2.29 | 3.60 | 4.85 | 7.25 |
| | 24 | 0.49[2] | 1.01[2] | 1.89[3] | 2.61[3] | 3.96[4] | 0.72[2] | 1.33[3] | 2.37[3] | 3.25[4] | 4.91 | 0.86[2] | 1.62[3] | 2.80[3] | 3.81[4] | 5.86 | 0.97[3] | 1.82[3] | 3.16[3] | 4.38 | 6.77 |

[1] Deflection meets L/120. [3] Deflection meets L/360. If no note, deflection meets L/720.
[2] Deflection meets L/240. [4] Deflection meets L/600.

Table 5 continued on next page.

## TABLE 5—COMBINED AXIAL AND LATERAL LOADS (continued)
## Allowable Axial Loads Per Stud (kip)

**15 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 400SR162 | | | | | 400SR200 | | | | | 400SR250 | | | | | 400SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 2.00 | 2.86 | 4.76 | 6.16 | 9.05 | 2.42 | 3.58 | 6.01 | 7.72 | 11.1 | 2.65 | 4.00 | 6.52 | 8.75 | 12.9 | 2.78 | 4.12 | 6.70 | 9.12 | 14.0 |
| | 16 | 1.76 | 2.63 | 4.54 | 5.95 | 8.82 | 2.18 | 3.33 | 5.76 | 7.49 | 10.9 | 2.40 | 3.75 | 6.28 | 8.50 | 12.7 | 2.54 | 3.87 | 6.47 | 8.88 | 13.8 |
| | 24 | 1.31 | 2.19 | 4.13 | 5.54 | 8.36 | 1.71 | 2.85 | 5.30 | 7.03 | 10.4 | 1.92 | 3.25 | 5.81 | 8.01 | 12.2 | 2.06 | 3.38 | 6.01 | 8.40 | 13.3 |
| 9 | 12 | 1.73 | 2.57 | 4.36 | 5.71 | 8.44 | 2.13 | 3.23 | 5.50 | 7.14 | 10.4 | 2.35 | 3.66 | 6.08 | 8.17 | 12.1 | 2.49 | 3.79 | 6.23 | 8.59 | 13.2 |
| | 16 | 1.45 | 2.29 | 4.10 | 5.44 | 8.14 | 1.83 | 2.93 | 5.20 | 6.85 | 10.1 | 2.05 | 3.34 | 5.78 | 7.85 | 11.7 | 2.19 | 3.48 | 5.94 | 8.27 | 12.9 |
| | 24 | 0.92[4] | 1.77 | 3.60 | 4.94 | 7.57 | 1.28 | 2.36 | 4.64 | 6.29 | 9.46 | 1.49 | 2.75 | 5.19 | 7.24 | 11.1 | 1.63 | 2.89 | 5.38 | 7.67 | 12.3 |
| 10 | 12 | 1.45 | 2.26 | 3.93 | 5.20 | 7.75 | 1.82 | 2.86 | 4.94 | 6.49 | 9.51 | 2.04 | 3.29 | 5.58 | 7.54 | 11.1 | 2.18 | 3.42 | 5.71 | 7.98 | 12.3 |
| | 16 | 1.13 | 1.93 | 3.62 | 4.88 | 7.38 | 1.48 | 2.51 | 4.59 | 6.14 | 9.13 | 1.69 | 2.91 | 5.21 | 7.15 | 10.7 | 1.83 | 3.05 | 5.36 | 7.60 | 11.9 |
| | 24 | 0.55[3] | 1.34[4] | 3.05 | 4.29 | 6.71 | 0.87[3] | 1.86 | 3.95 | 5.50 | 8.43 | 1.05[4] | 2.22 | 4.53 | 6.43 | 10.0 | 1.18 | 2.37 | 4.70 | 6.88 | 11.2 |
| 12 | 12 | 0.89[3] | 1.61 | 3.00 | 4.09 | 6.20 | 1.21[4] | 2.09 | 3.79 | 5.12 | 7.65 | 1.39 | 2.49 | 4.41 | 5.96 | 9.01 | 1.53 | 2.64 | 4.60 | 6.50 | 10.3 |
| | 16 | 0.53[3] | 1.23[3] | 2.64[4] | 3.71 | 5.75 | 0.81[3] | 1.68[4] | 3.38 | 4.70 | 7.18 | 0.98[3] | 2.03 | 3.96 | 5.49 | 8.52 | 1.11[4] | 2.18 | 4.15 | 6.02 | 9.79 |
| | 24 | --- | 0.56[3] | 1.99[3] | 3.02[3] | 4.95 | 0.13[2] | 0.94[3] | 2.66[3] | 3.94[4] | 6.33 | 0.26[3] | 1.23[3] | 3.16[4] | 4.65 | 7.63 | 0.37[3] | 1.36[3] | 3.36[4] | 5.14 | 8.85 |
| 14 | 12 | 0.43[3] | 1.02[3] | 2.15[3] | 3.02 | 4.68 | 0.67[3] | 1.40[3] | 2.74[4] | 3.82 | 5.85 | 0.82[3] | 1.72[4] | 3.25 | 4.48 | 6.98 | 0.94[3] | 1.88[4] | 3.53 | 5.03 | 8.06 |
| | 16 | --- | 0.62[2] | 1.77[3] | 2.62[3] | 4.21 | 0.26[2] | 0.96[3] | 2.32[3] | 3.38[4] | 5.35 | 0.39[3] | 1.23[3] | 2.78[3] | 3.99 | 6.45 | 0.49[3] | 1.37[3] | 3.04[4] | 4.50 | 7.50 |
| | 24 | --- | --- | 1.13[2] | 1.94[3] | 3.40[3] | --- | 0.21[2] | 1.60[2] | 2.62[3] | 4.48[3] | --- | 0.40[2] | 1.97[3] | 3.13[3] | 5.52[4] | --- | 0.50[2] | 2.20[3] | 3.58[3] | 6.50 |
| 16 | 12 | --- | 0.55[2] | 1.47[3] | 2.16[3] | 3.44[4] | 0.25[2] | 0.83[3] | 1.90[3] | 2.77[3] | 4.35 | 0.36[2] | 1.07[3] | 2.28[3] | 3.26[4] | 5.26 | 0.45[2] | 1.22[3] | 2.59[3] | 3.77 | 6.13 |
| | 16 | --- | 0.16[2] | 1.11[2] | 1.78[3] | 2.99[3] | --- | 0.41[2] | 1.51[2] | 2.35[3] | 3.87[3] | --- | 0.59[2] | 1.83[3] | 2.79[3] | 4.75[4] | --- | 0.71[2] | 2.11[3] | 3.24[3] | 5.58 |
| | 24 | --- | --- | 0.50[1] | 1.13[2] | 2.22[2] | --- | --- | 0.83[1] | 1.63[2] | 3.04[3] | --- | --- | 1.07[2] | 1.97[2] | 3.85[3] | --- | --- | 1.27[2] | 2.34[3] | 4.61[3] |

**20 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 400SR162 | | | | | 400SR200 | | | | | 400SR250 | | | | | 400SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.76 | 2.63 | 4.54 | 5.95 | 8.82 | 2.18 | 3.33 | 5.76 | 7.49 | 10.9 | 2.40 | 3.75 | 6.28 | 8.50 | 12.7 | 2.54 | 3.87 | 6.47 | 8.88 | 13.8 |
| | 16 | 1.46 | 2.34 | 4.26 | 5.67 | 8.51 | 1.86 | 3.00 | 5.45 | 7.18 | 10.6 | 2.08 | 3.42 | 5.96 | 8.17 | 12.3 | 2.22 | 3.54 | 6.16 | 8.56 | 13.5 |
| | 24 | 0.90 | 1.78 | 3.74 | 5.14 | 7.91 | 1.27 | 2.40 | 4.86 | 6.60 | 9.94 | 1.47 | 2.78 | 5.35 | 7.53 | 11.7 | 1.61 | 2.92 | 5.57 | 7.94 | 12.8 |
| 9 | 12 | 1.45 | 2.29 | 4.10 | 5.44 | 8.14 | 1.83 | 2.93 | 5.20 | 6.85 | 10.1 | 2.05 | 3.34 | 5.78 | 7.85 | 11.7 | 2.19 | 3.48 | 5.94 | 8.27 | 12.9 |
| | 16 | 1.09 | 1.94 | 3.76 | 5.10 | 7.76 | 1.46 | 2.54 | 4.82 | 6.47 | 9.65 | 1.67 | 2.94 | 5.38 | 7.44 | 11.3 | 1.81 | 3.08 | 5.56 | 7.87 | 12.5 |
| | 24 | 0.45[3] | 1.29[4] | 3.14 | 4.46 | 7.03 | 0.78[4] | 1.83 | 4.11 | 5.77 | 8.89 | 0.97[4] | 2.19 | 4.65 | 6.67 | 10.5 | 1.10 | 2.33 | 4.84 | 7.10 | 11.7 |
| 10 | 12 | 1.13 | 1.93 | 3.62 | 4.88 | 7.38 | 1.48 | 2.51 | 4.59 | 6.14 | 9.13 | 1.69 | 2.91 | 5.21 | 7.15 | 10.7 | 1.83 | 3.05 | 5.36 | 7.60 | 11.9 |
| | 16 | 0.73[3] | 1.53 | 3.23 | 4.48 | 6.93 | 1.06[4] | 2.07 | 4.16 | 5.71 | 8.66 | 1.25 | 2.45 | 4.75 | 6.66 | 10.2 | 1.39 | 2.59 | 4.92 | 7.12 | 11.4 |
| | 24 | --- | 0.81[3] | 2.53[4] | 3.76 | 6.09 | 0.32[3] | 1.27[3] | 3.37[4] | 4.90 | 7.77 | 0.48[3] | 1.60[4] | 3.91 | 5.76 | 9.29 | 0.60[3] | 1.74 | 4.09 | 6.21 | 10.5 |
| 12 | 12 | 0.53[3] | 1.23[3] | 2.64[4] | 3.71 | 5.75 | 0.81[3] | 1.68[4] | 3.38 | 4.70 | 7.18 | 0.98[3] | 2.03 | 3.96 | 5.49 | 8.52 | 1.11[4] | 2.18 | 4.15 | 6.02 | 9.79 |
| | 16 | 0.10[2] | 0.77[3] | 2.20[3] | 3.24[4] | 5.21 | 0.35[3] | 1.17[3] | 2.88[4] | 4.18 | 6.60 | 0.49[3] | 1.48[3] | 3.42[4] | 4.91 | 7.92 | 0.60[3] | 1.62[4] | 3.61 | 5.42 | 9.15 |
| | 24 | --- | --- | 1.43[2] | 2.42[3] | 4.24[3] | --- | 0.30[2] | 2.02[3] | 3.28[3] | 5.58[4] | --- | 0.53[3] | 2.46[3] | 3.90[3] | 6.83 | --- | 0.64[3] | 2.65[3] | 4.36[4] | 8.00 |
| 14 | 12 | --- | 0.62[2] | 1.77[3] | 2.62[3] | 4.21 | 0.26[2] | 0.96[3] | 2.32[3] | 3.38[4] | 5.35 | 0.39[3] | 1.23[3] | 2.78[3] | 3.99 | 6.45 | 0.49[3] | 1.37[3] | 3.04[4] | 4.50 | 7.50 |
| | 16 | --- | 0.16[2] | 1.33[2] | 2.15[3] | 3.66[3] | --- | 0.45[2] | 1.83[3] | 2.86[3] | 4.75[4] | --- | 0.66[3] | 2.23[3] | 3.40[3] | 5.82 | --- | 0.78[3] | 2.46[3] | 3.87[4] | 6.82 |
| | 24 | --- | --- | 0.58[1] | 1.34[2] | 2.70[3] | --- | --- | 0.98[2] | 1.97[2] | 3.73[3] | --- | --- | 1.28[2] | 2.39[3] | 4.72[3] | --- | --- | 1.46[2] | 2.78[3] | 5.63[3] |
| 16 | 12 | --- | 0.16[2] | 1.11[2] | 1.78[3] | 2.99[3] | --- | 0.41[2] | 1.51[2] | 2.35[3] | 3.87[3] | --- | 0.59[2] | 1.83[3] | 2.79[3] | 4.75[4] | --- | 0.71[2] | 2.11[3] | 3.24[3] | 5.58 |
| | 16 | --- | --- | 0.69[1] | 1.33[2] | 2.46[3] | --- | --- | 1.04[2] | 1.85[2] | 3.30[3] | --- | --- | 1.31[2] | 2.23[3] | 4.13[3] | --- | 0.11[2] | 1.53[2] | 2.62[3] | 4.92[3] |
| | 24 | --- | --- | --- | 0.57[1] | 1.57[2] | --- | --- | 0.26[1] | 1.02[1] | 2.34[2] | --- | --- | 0.43[1] | 1.28[2] | 3.09[2] | --- | --- | 0.56[1] | 1.57[2] | 3.78[3] |

**25 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 400SR162 | | | | | 400SR200 | | | | | 400SR250 | | | | | 400SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.53 | 2.41 | 4.33 | 5.74 | 8.58 | 1.94 | 3.08 | 5.53 | 7.26 | 10.7 | 2.16 | 3.50 | 6.04 | 8.25 | 12.4 | 2.30 | 3.62 | 6.24 | 8.64 | 13.5 |
| | 16 | 1.17 | 2.05 | 4.00 | 5.40 | 8.21 | 1.56 | 2.69 | 5.15 | 6.89 | 10.3 | 1.77 | 3.09 | 5.65 | 7.85 | 12.0 | 1.91 | 3.23 | 5.86 | 8.25 | 13.1 |
| | 24 | 0.50[4] | 1.39 | 3.36 | 4.76 | 7.48 | 0.85[4] | 1.97 | 4.43 | 6.18 | 9.49 | 1.05 | 2.33 | 4.92 | 7.08 | 11.2 | 1.18 | 2.47 | 5.14 | 7.49 | 12.4 |
| 9 | 12 | 1.18 | 2.03 | 3.84 | 5.19 | 7.85 | 1.55 | 2.64 | 4.91 | 6.56 | 9.75 | 1.76 | 3.04 | 5.48 | 7.54 | 11.4 | 1.90 | 3.18 | 5.65 | 7.97 | 12.6 |
| | 16 | 0.76[4] | 1.61 | 3.44 | 4.77 | 7.39 | 1.11 | 2.18 | 4.46 | 6.11 | 9.26 | 1.31 | 2.56 | 5.01 | 7.05 | 10.9 | 1.45 | 2.70 | 5.20 | 7.48 | 12.1 |
| | 24 | --- | 0.84[3] | 2.70[4] | 4.01 | 6.51 | 0.31[3] | 1.34[4] | 3.62 | 5.27 | 8.35 | 0.48[3] | 1.67 | 4.13 | 6.12 | 10.0 | 0.60[3] | 1.80 | 4.34 | 6.56 | 11.1 |
| 10 | 12 | 0.83[4] | 1.63 | 3.33 | 4.58 | 7.04 | 1.17[4] | 2.17 | 4.26 | 5.81 | 8.77 | 1.36 | 2.56 | 4.86 | 6.78 | 10.3 | 1.50 | 2.70 | 5.03 | 7.23 | 11.5 |
| | 16 | 0.37[3] | 1.16[3] | 2.87 | 4.11 | 6.50 | 0.68[3] | 1.66[4] | 3.75 | 5.30 | 8.20 | 0.85[3] | 2.01 | 4.32 | 6.20 | 9.74 | 0.98[4] | 2.15 | 4.50 | 6.66 | 10.9 |
| | 24 | --- | 0.32[3] | 2.05[3] | 3.26[3] | 5.51 | --- | 0.74[3] | 2.83[3] | 4.35[4] | 7.16 | --- | 1.02[3] | 3.33[4] | 5.14 | 8.65 | --- | 1.15[3] | 3.52[4] | 5.59 | 9.83 |
| 12 | 12 | 0.20[2] | 0.88[3] | 2.30[3] | 3.35[4] | 5.34 | 0.46[3] | 1.29[3] | 3.00[4] | 4.31 | 6.74 | 0.61[3] | 1.62[4] | 3.55 | 5.05 | 8.06 | 0.72[3] | 1.76[4] | 3.74 | 5.57 | 9.30 |
| | 16 | --- | 0.36[2] | 1.80[3] | 2.81[3] | 4.71[4] | --- | 0.72[3] | 2.44[3] | 3.72[4] | 6.07 | --- | 0.99[3] | 2.92[3] | 4.39[4] | 7.36 | 0.14[3] | 1.11[3] | 3.12[4] | 4.87 | 8.56 |
| | 24 | --- | --- | 0.92[2] | 1.88[2] | 3.60[3] | --- | --- | 1.45[2] | 2.68[3] | 4.89[3] | --- | --- | 1.83[3] | 3.22[3] | 6.11[4] | --- | --- | 2.01[3] | 3.65[3] | 7.23 |
| 14 | 12 | --- | 0.27[2] | 1.44[2] | 2.26[3] | 3.79[3] | --- | 0.57[2] | 1.94[3] | 2.99[3] | 4.89[4] | --- | 0.80[3] | 2.36[3] | 3.54[3] | 5.97 | --- | 0.92[3] | 2.60[3] | 4.02[4] | 6.98 |
| | 16 | --- | --- | 0.94[2] | 1.73[2] | 3.16[3] | --- | --- | 1.39[2] | 2.40[3] | 4.22[3] | --- | 0.15[2] | 1.73[2] | 2.87[3] | 5.24[4] | --- | 0.24[2] | 1.94[3] | 3.30[3] | 6.20[4] |
| | 24 | --- | --- | --- | 0.81[1] | 2.08[2] | --- | --- | 0.44[1] | 1.39[2] | 3.05[2] | --- | | 0.66[1] | 1.72[2] | 3.99[3] | --- | --- | 0.81[2] | 2.06[2] | 4.85[3] |
| 16 | 12 | --- | --- | 0.79[1] | 1.44[2] | 2.59[3] | --- | --- | 1.15[2] | 1.97[2] | 3.44[3] | --- | 0.17[2] | 1.44[2] | 2.36[3] | 4.28[3] | --- | 0.25[2] | 1.67[2] | 2.77[3] | 5.07[4] |
| | 16 | --- | --- | 0.32[1] | 0.93[1] | 1.99[2] | --- | --- | 0.63[1] | 1.42[2] | 2.80[2] | --- | --- | 0.85[1] | 1.73[2] | 3.59[3] | --- | --- | 1.02[2] | 2.07[2] | 4.32[3] |
| | 24 | --- | --- | --- | --- | 0.98[1] | --- | --- | --- | 0.48[1] | 1.71[1] | --- | --- | --- | 0.66[1] | 2.41[2] | --- | --- | --- | 0.88[1] | 3.04[2] |

[1] Deflection meets L/120. [3] Deflection meets L/360. If no note, deflection meets L/720.
[2] Deflection meets L/240. [4] Deflection meets L/600.

Table 5 continued on the next page.

## TABLE 5—COMBINED AXIAL AND LATERAL LOADS (continued)
## Allowable Axial Loads Per Stud (kip)

**30 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 400SR162 | | | | | 400SR200 | | | | | 400SR250 | | | | | 400SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.31 | 2.19 | 4.13 | 5.54 | 8.36 | 1.71 | 2.85 | 5.30 | 7.03 | 10.4 | 1.92 | 3.25 | 5.81 | 8.01 | 12.2 | 2.06 | 3.38 | 6.01 | 8.40 | 13.3 |
| | 16 | 0.90 | 1.78 | 3.74 | 5.14 | 7.91 | 1.27 | 2.40 | 4.86 | 6.60 | 9.94 | 1.47 | 2.78 | 5.35 | 7.53 | 11.7 | 1.61 | 2.92 | 5.57 | 7.94 | 12.8 |
| | 24 | 0.13[3] | 1.01[4] | 3.00 | 4.39 | 7.07 | 0.46[3] | 1.55 | 4.02 | 5.77 | 9.06 | 0.64[4] | 1.90 | 4.50 | 6.64 | 10.8 | 0.77[4] | 2.04 | 4.73 | 7.05 | 11.9 |
| 9 | 12 | 0.92[4] | 1.77 | 3.60 | 4.94 | 7.57 | 1.28 | 2.36 | 4.64 | 6.29 | 9.46 | 1.49 | 2.75 | 5.19 | 7.24 | 11.1 | 1.63 | 2.89 | 5.38 | 7.67 | 12.3 |
| | 16 | 0.45[3] | 1.29[4] | 3.14 | 4.46 | 7.03 | 0.78[4] | 1.83 | 4.11 | 5.77 | 8.89 | 0.97[4] | 2.19 | 4.65 | 6.67 | 10.5 | 1.10 | 2.33 | 4.84 | 7.10 | 11.7 |
| | 24 | --- | 0.42[3] | 2.29[3] | 3.58[4] | 6.02 | --- | 0.87[3] | 3.16[4] | 4.80 | 7.83 | --- | 1.17[4] | 3.64 | 5.60 | 9.44 | 0.14[3] | 1.30[4] | 3.85 | 6.03 | 10.6 |
| 10 | 12 | 0.55[3] | 1.34[4] | 3.05 | 4.29 | 6.71 | 0.87[3] | 1.86 | 3.95 | 5.50 | 8.43 | 1.05[4] | 2.22 | 4.53 | 6.43 | 10.0 | 1.18 | 2.37 | 4.70 | 6.88 | 11.2 |
| | 16 | --- | 0.81[3] | 2.53[4] | 3.76 | 6.09 | 0.32[3] | 1.27[3] | 3.37[4] | 4.90 | 7.77 | 0.48[3] | 1.60[4] | 3.91 | 5.76 | 9.29 | 0.60[3] | 1.74 | 4.09 | 6.21 | 10.5 |
| | 24 | --- | --- | 1.61[3] | 2.79[3] | 4.96[4] | --- | 0.24[3] | 2.33[3] | 3.84[3] | 6.58 | --- | 0.48[3] | 2.79[3] | 4.56[4] | 8.04 | --- | 0.60[3] | 2.98[3] | 4.99 | 9.20 |
| 12 | 12 | --- | 0.56[3] | 1.99[3] | 3.02[3] | 4.95 | 0.13[2] | 0.94[3] | 2.66[3] | 3.94[4] | 6.33 | 0.26[3] | 1.23[3] | 3.16[4] | 4.65 | 7.63 | 0.37[3] | 1.36[3] | 3.36[4] | 5.14 | 8.85 |
| | 16 | --- | --- | 1.43[2] | 2.42[3] | 4.24[3] | --- | 0.30[2] | 2.02[3] | 3.28[3] | 5.58[4] | --- | 0.53[3] | 2.46[3] | 3.90[3] | 6.83 | --- | 0.64[3] | 2.65[3] | 4.36[4] | 8.00 |
| | 24 | --- | --- | 0.46[1] | 1.38[2] | 3.02[3] | --- | --- | 0.93[2] | 2.13[2] | 4.26[3] | --- | --- | 1.25[2] | 2.60[3] | 5.43[3] | --- | --- | 1.42[2] | 2.99[3] | 6.51[4] |
| 14 | 12 | --- | --- | 1.13[2] | 1.94[3] | 3.40[3] | --- | 0.21[2] | 1.60[2] | 2.62[3] | 4.48[3] | --- | 0.40[2] | 1.97[3] | 3.13[3] | 5.52[4] | --- | 0.50[2] | 2.20[3] | 3.58[3] | 6.50 |
| | 16 | --- | --- | 0.58[1] | 1.34[2] | 2.70[3] | --- | --- | 0.98[2] | 1.97[2] | 3.73[3] | --- | --- | 1.28[2] | 2.39[3] | 4.72[3] | --- | --- | 1.46[2] | 2.78[3] | 5.63[3] |
| | 24 | --- | --- | --- | 0.33[1] | 1.51[2] | --- | --- | --- | 0.86[1] | 2.44[2] | --- | --- | 0.10[1] | 1.12[2] | 3.32[2] | --- | --- | 0.21[1] | 1.40[2] | 4.13[3] |
| 16 | 12 | --- | --- | 0.50[1] | 1.13[2] | 2.22[2] | --- | --- | 0.83[1] | 1.63[2] | 3.04[3] | --- | --- | 1.07[2] | 1.97[2] | 3.85[3] | --- | --- | 1.27[2] | 2.34[3] | 4.61[3] |
| | 16 | --- | --- | --- | 0.57[1] | 1.57[2] | --- | --- | 0.26[1] | 1.02[1] | 2.34[2] | --- | --- | 0.43[1] | 1.28[2] | 3.09[2] | --- | --- | 0.56[1] | 1.57[2] | 3.78[3] |
| | 24 | --- | --- | --- | --- | 0.46[1] | --- | --- | --- | --- | 1.14[1] | --- | --- | --- | 0.10[1] | 1.79[1] | --- | --- | --- | 0.26[1] | 2.37[2] |

**35 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 400SR162 | | | | | 400SR200 | | | | | 400SR250 | | | | | 400SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.10 | 1.98 | 3.93 | 5.34 | 8.13 | 1.48 | 2.62 | 5.07 | 6.81 | 10.2 | 1.69 | 3.02 | 5.58 | 7.77 | 11.9 | 1.84 | 3.15 | 5.79 | 8.17 | 13.1 |
| | 16 | 0.63[4] | 1.52 | 3.49 | 4.88 | 7.62 | 0.99 | 2.11 | 4.57 | 6.32 | 9.64 | 1.19 | 2.48 | 5.06 | 7.23 | 11.4 | 1.32 | 2.62 | 5.28 | 7.64 | 12.5 |
| | 24 | --- | 0.65[3] | 2.66[4] | 4.04 | 6.66 | --- | 1.16[4] | 3.63 | 5.38 | 8.63 | 0.25[3] | 1.48 | 4.10 | 6.21 | 10.4 | 0.37[4] | 1.62 | 4.33 | 6.62 | 11.5 |
| 9 | 12 | 0.68[4] | 1.52 | 3.37 | 4.70 | 7.29 | 1.03[4] | 2.09 | 4.37 | 6.02 | 9.17 | 1.22 | 2.46 | 4.92 | 6.95 | 10.8 | 1.36 | 2.60 | 5.11 | 7.39 | 12.0 |
| | 16 | 0.15[3] | 0.99[3] | 2.84[4] | 4.16 | 6.68 | 0.47[3] | 1.50[4] | 3.78 | 5.43 | 8.53 | 0.64[3] | 1.84 | 4.30 | 6.30 | 10.2 | 0.77[4] | 1.98 | 4.50 | 6.74 | 11.3 |
| | 24 | --- | --- | 1.90[3] | 3.18[3] | 5.55 | --- | 0.43[3] | 2.72[3] | 4.35[4] | 7.33 | --- | 0.70[3] | 3.17[4] | 5.10 | 8.92 | --- | 0.83[3] | 3.38[4] | 5.53 | 10.1 |
| 10 | 12 | 0.28[3] | 1.07[3] | 2.78[4] | 4.02 | 6.39 | 0.59[3] | 1.56[4] | 3.65 | 5.20 | 8.09 | 0.76[3] | 1.91 | 4.21 | 6.09 | 9.63 | 0.88[4] | 2.05 | 4.39 | 6.54 | 10.8 |
| | 16 | --- | 0.48[3] | 2.21[3] | 3.42[4] | 5.70 | --- | 0.91[3] | 3.01[4] | 4.53 | 7.36 | 0.12[3] | 1.21[3] | 3.52[4] | 5.34 | 8.86 | 0.23[3] | 1.34[4] | 3.71 | 5.79 | 10.0 |
| | 24 | --- | --- | 1.19[2] | 2.34[3] | 4.44[3] | --- | --- | 1.86[3] | 3.35[3] | 6.02[4] | --- | --- | 2.27[3] | 4.01[3] | 7.46 | --- | --- | 2.47[3] | 4.43[4] | 8.61 |
| 12 | 12 | --- | 0.26[2] | 1.70[3] | 2.71[3] | 4.59[4] | --- | 0.61[3] | 2.33[3] | 3.60[3] | 5.94 | --- | 0.87[3] | 2.80[3] | 4.26[4] | 7.22 | --- | 0.99[3] | 3.00[3] | 4.74 | 8.42 |
| | 16 | --- | --- | 1.09[2] | 2.05[3] | 3.81[3] | --- | --- | 1.64[2] | 2.88[3] | 5.12[3] | --- | 0.10[2] | 2.03[3] | 3.44[3] | 6.34[4] | --- | 0.19[3] | 2.22[3] | 3.88[3] | 7.48 |
| | 24 | --- | --- | --- | 0.91[2] | 2.47[2] | --- | --- | 0.45[1] | 1.62[2] | 3.67[3] | --- | --- | 0.71[2] | 2.02[2] | 4.80[3] | --- | --- | 0.86[2] | 2.38[3] | 5.83[3] |
| 14 | 12 | --- | --- | 0.84[2] | 1.63[2] | 3.04[3] | --- | --- | 1.28[2] | 2.29[3] | 4.09[3] | --- | --- | 1.61[2] | 2.75[3] | 5.11[3] | --- | 0.11[2] | 1.82[3] | 3.17[3] | 6.06[4] |
| | 16 | --- | --- | 0.24[1] | 0.98[1] | 2.28[2] | --- | --- | 0.61[1] | 1.57[2] | 3.27[3] | --- | --- | 0.86[2] | 1.94[2] | 4.22[3] | --- | --- | 1.02[2] | 2.29[2] | 5.10[3] |
| | 24 | --- | --- | --- | --- | 0.98[1] | --- | --- | --- | 0.36[1] | 1.87[2] | --- | --- | --- | 0.56[1] | 2.71[2] | --- | --- | --- | 0.79[1] | 3.47[2] |
| 16 | 12 | --- | --- | 0.24[1] | 0.84[1] | 1.88[2] | --- | --- | 0.54[1] | 1.31[2] | 2.68[2] | --- | --- | 0.74[1] | 1.61[2] | 3.46[3] | --- | --- | 0.90[2] | 1.94[2] | 4.19[3] |
| | 16 | --- | --- | --- | 0.23[1] | 1.17[1] | --- | --- | --- | 0.65[1] | 1.91[2] | --- | --- | --- | 0.86[1] | 2.63[2] | --- | --- | 0.13[1] | 1.10[1] | 3.28[2] |
| | 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.62[1] | --- | --- | --- | --- | 1.21[1] | --- | --- | --- | --- | 1.75[1] |

**40 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 400SR162 | | | | | 400SR200 | | | | | 400SR250 | | | | | 400SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 0.90 | 1.78 | 3.74 | 5.14 | 7.91 | 1.27 | 2.40 | 4.86 | 6.60 | 9.94 | 1.47 | 2.78 | 5.35 | 7.53 | 11.7 | 1.61 | 2.92 | 5.57 | 7.94 | 12.8 |
| | 16 | 0.38[3] | 1.26 | 3.24 | 4.64 | 7.34 | 0.72[4] | 1.83 | 4.29 | 6.04 | 9.35 | 0.91 | 2.19 | 4.78 | 6.93 | 11.1 | 1.04 | 2.32 | 5.00 | 7.34 | 12.2 |
| | 24 | --- | 0.30[3] | 2.32[3] | 3.69 | 6.27 | --- | 0.78[3] | 3.25[4] | 5.00 | 8.22 | --- | 1.08[4] | 3.70 | 5.79 | 9.93 | --- | 1.21[4] | 3.93 | 6.21 | 11.1 |
| 9 | 12 | 0.45[3] | 1.29[4] | 3.14 | 4.46 | 7.03 | 0.78[4] | 1.83 | 4.11 | 5.77 | 8.89 | 0.97[4] | 2.19 | 4.65 | 6.67 | 10.5 | 1.10 | 2.33 | 4.84 | 7.10 | 11.7 |
| | 16 | --- | 0.70[3] | 2.56[4] | 3.87 | 6.35 | 0.16[3] | 1.18[3] | 3.47 | 5.11 | 8.17 | 0.32[3] | 1.50[4] | 3.97 | 5.94 | 9.79 | 0.45[3] | 1.64 | 4.17 | 6.38 | 11.0 |
| | 24 | --- | --- | 1.53[3] | 2.79[3] | 5.10[4] | --- | --- | 2.30[3] | 3.91[4] | 6.85 | --- | 0.25[3] | 2.73[3] | 4.62[4] | 8.42 | --- | 0.37[3] | 2.93[3] | 5.04 | 9.56 |
| 10 | 12 | --- | 0.81[3] | 2.53[4] | 3.76 | 6.09 | 0.32[3] | 1.27[3] | 3.37[4] | 4.90 | 7.77 | 0.48[3] | 1.60[4] | 3.91 | 5.76 | 9.29 | 0.60[3] | 1.74 | 4.09 | 6.21 | 10.5 |
| | 16 | --- | 0.17[3] | 1.90[3] | 3.10[3] | 5.32 | --- | 0.57[3] | 2.66[3] | 4.18[4] | 6.96 | --- | 0.84[3] | 3.14[4] | 4.94 | 8.45 | --- | 0.96[3] | 3.34[4] | 5.39 | 9.62 |
| | 24 | --- | --- | 0.80[2] | 1.92[3] | 3.95[3] | --- | --- | 1.41[2] | 2.88[3] | 5.50[3] | --- | --- | 1.79[3] | 3.48[3] | 6.91[4] | --- | --- | 1.98[3] | 3.89[3] | 8.03 |
| 12 | 12 | --- | --- | 1.43[2] | 2.42[3] | 4.24[3] | --- | 0.30[2] | 2.02[3] | 3.28[3] | 5.58[4] | --- | 0.53[3] | 2.46[3] | 3.90[3] | 6.83 | --- | 0.64[3] | 2.65[3] | 4.36[4] | 8.00 |
| | 16 | --- | --- | 0.76[2] | 1.71[2] | 3.40[3] | --- | --- | 1.28[2] | 2.50[3] | 4.68[3] | --- | --- | 1.63[2] | 3.01[3] | 5.88[4] | --- | --- | 1.81[3] | 3.43[3] | 6.98[4] |
| | 24 | --- | --- | --- | 0.48[1] | 1.95[2] | --- | --- | --- | 1.14[2] | 3.12[2] | --- | --- | 0.20[1] | 1.47[2] | 4.21[3] | --- | --- | 0.34[2] | 1.79[2] | 5.19[3] |
| 14 | 12 | --- | --- | 0.58[1] | 1.34[2] | 2.70[3] | --- | --- | 0.98[2] | 1.97[2] | 3.73[3] | --- | --- | 1.28[2] | 2.39[3] | 4.72[3] | --- | --- | 1.46[2] | 2.78[3] | 5.63[3] |
| | 16 | --- | --- | --- | 0.65[1] | 1.88[2] | --- | --- | 0.26[1] | 1.21[2] | 2.84[2] | --- | --- | 0.47[1] | 1.52[2] | 3.76[3] | --- | --- | 0.60[1] | 1.83[2] | 4.61[3] |
| | 24 | --- | --- | --- | --- | 0.49[1] | --- | --- | --- | --- | 1.34[1] | --- | --- | --- | --- | 2.13[2] | --- | --- | --- | 0.22[1] | 2.84[2] |
| 16 | 12 | --- | --- | --- | 0.57[1] | 1.57[2] | --- | --- | 0.26[1] | 1.02[1] | 2.34[2] | --- | --- | 0.43[1] | 1.28[2] | 3.09[2] | --- | --- | 0.56[1] | 1.57[2] | 3.78[3] |
| | 16 | --- | --- | --- | --- | 0.80[1] | --- | --- | --- | 0.31[1] | 1.52[1] | --- | --- | --- | 0.47[1] | 2.19[2] | --- | --- | --- | 0.67[1] | 2.81[2] |
| | 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.13[1] | --- | --- | --- | --- | 0.68[1] | --- | --- | --- | --- | 1.16[1] |

[1] Deflection meets L/120. [3] Deflection meets L/360. If no note, deflection meets L/720.
[2] Deflection meets L/240. [4] Deflection meets L/600.

Table 5 continued on next page.

## TABLE 5—COMBINED AXIAL AND LATERAL LOADS (continued)
## Allowable Axial Loads Per Stud (kip)

**50 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 400SR162 | | | | | 400SR200 | | | | | 400SR250 | | | | | 400SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 0.50[4] | 1.39 | 3.36 | 4.76 | 7.48 | 0.85[4] | 1.97 | 4.43 | 6.18 | 9.49 | 1.05 | 2.33 | 4.92 | 7.08 | 11.2 | 1.18 | 2.47 | 5.14 | 7.49 | 12.4 |
| | 16 | --- | 0.77[3] | 2.77[4] | 4.15 | 6.80 | 0.21[3] | 1.29[4] | 3.76 | 5.51 | 8.77 | 0.38[3] | 1.62 | 4.23 | 6.35 | 10.5 | 0.50[4] | 1.76 | 4.46 | 6.76 | 11.6 |
| | 24 | --- | --- | 1.69[3] | 3.03[3] | 5.52 | --- | --- | 2.53[3] | 4.27[4] | 7.42 | --- | 0.32[3] | 2.95[4] | 4.99 | 9.09 | --- | 0.44[3] | 3.18[4] | 5.40 | 10.2 |
| 9 | 12 | --- | 0.84[3] | 2.70[4] | 4.01 | 6.51 | 0.31[3] | 1.34[4] | 3.62 | 5.27 | 8.35 | 0.48[3] | 1.67 | 4.13 | 6.12 | 10.0 | 0.60[3] | 1.80 | 4.34 | 6.56 | 11.1 |
| | 16 | --- | 0.15[3] | 2.03[3] | 3.31[4] | 5.71 | --- | 0.57[3] | 2.86[3] | 4.50 | 7.49 | --- | 0.86[3] | 3.33[4] | 5.26 | 9.09 | --- | 0.98[4] | 3.54[4] | 5.69 | 10.2 |
| | 24 | --- | --- | 0.83[2] | 2.05[3] | 4.24[3] | --- | --- | 1.50[3] | 3.10[3] | 5.94[4] | --- | --- | 1.88[3] | 3.71[3] | 7.46 | --- | --- | 2.08[3] | 4.11[4] | 8.58 |
| 10 | 12 | --- | 0.32[3] | 2.05[3] | 3.26[3] | 5.51 | --- | 0.74[3] | 2.83[3] | 4.35[4] | 7.16 | --- | 1.02[3] | 3.33[4] | 5.14 | 8.65 | --- | 1.15[3] | 3.52[4] | 5.59 | 9.83 |
| | 16 | --- | --- | 1.33[3] | 2.49[3] | 4.61[3] | --- | --- | 2.01[3] | 3.51[3] | 6.21[4] | --- | 0.14[3] | 2.44[3] | 4.19[4] | 7.65 | --- | 0.25[3] | 2.63[3] | 4.61[4] | 8.80 |
| | 24 | --- | --- | --- | 1.14[2] | 3.03[3] | --- | --- | 0.58[2] | 2.01[2] | 4.51[3] | --- | --- | 0.88[2] | 2.50[3] | 5.86[3] | --- | --- | 1.06[2] | 2.87[3] | 6.95[4] |
| 12 | 12 | --- | --- | 0.92[2] | 1.88[2] | 3.60[3] | --- | --- | 1.45[2] | 2.68[3] | 4.89[3] | --- | --- | 1.83[3] | 3.22[3] | 6.11[4] | --- | --- | 2.01[3] | 3.65[3] | 7.23 |
| | 16 | --- | --- | 0.17[1] | 1.07[2] | 2.65[2] | --- | --- | 0.61[2] | 1.79[2] | 3.87[3] | --- | --- | 0.88[2] | 2.21[2] | 5.01[3] | --- | --- | 1.04[2] | 2.58[3] | 6.05[3] |
| | 24 | --- | --- | --- | --- | 1.00[1] | --- | --- | --- | 0.25[1] | 2.10[2] | --- | --- | --- | 0.46[1] | 3.10[2] | --- | --- | --- | 0.72[2] | 4.00[3] |
| 14 | 12 | --- | --- | --- | 0.81[1] | 2.08[2] | --- | --- | 0.44[1] | 1.39[2] | 3.05[2] | --- | --- | 0.66[1] | 1.72[2] | 3.99[3] | --- | --- | 0.81[2] | 2.06[2] | 4.85[3] |
| | 16 | --- | --- | --- | --- | 1.15[1] | --- | --- | --- | 0.52[1] | 2.06[2] | --- | --- | --- | 0.74[1] | 2.91[2] | --- | --- | --- | 0.99[2] | 3.68[2] |
| | 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.36[1] | --- | --- | --- | --- | 1.07[1] | --- | --- | --- | --- | 1.69[1] |
| 16 | 12 | --- | --- | --- | --- | 0.98[1] | --- | --- | --- | 0.48[1] | 1.71[1] | --- | --- | --- | 0.66[1] | 2.41[2] | --- | --- | --- | 0.88[1] | 3.04[2] |
| | 16 | --- | --- | --- | --- | 0.13[1] | --- | --- | --- | --- | 0.79[1] | --- | --- | --- | --- | 1.40[1] | --- | --- | --- | --- | 1.95[1] |
| | 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**5 psf Lateral Load (Interior Use Only)**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 600SR162 | | | | | 600SR200 | | | | | 600SR250 | | | | | 600SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 2.37 | 3.57 | 6.31 | 8.71 | 11.7 | 2.97 | 4.43 | 7.84 | 11.0 | 15.8 | 3.16 | 4.74 | 8.37 | 11.8 | 18.6 | 3.26 | 4.91 | 8.64 | 12.2 | 20.0 |
| | 16 | 2.32 | 3.52 | 6.26 | 8.66 | 11.7 | 2.92 | 4.38 | 7.78 | 10.9 | 15.8 | 3.11 | 4.69 | 8.31 | 11.7 | 18.6 | 3.21 | 4.85 | 8.59 | 12.2 | 19.9 |
| | 24 | 2.23 | 3.42 | 6.16 | 8.56 | 11.6 | 2.81 | 4.27 | 7.67 | 10.8 | 15.7 | 3.01 | 4.58 | 8.20 | 11.6 | 18.5 | 3.11 | 4.75 | 8.48 | 12.0 | 19.8 |
| 9 | 12 | 2.33 | 3.53 | 6.26 | 8.66 | 11.7 | 2.92 | 4.38 | 7.78 | 10.9 | 15.6 | 3.12 | 4.69 | 8.32 | 11.7 | 18.3 | 3.22 | 4.86 | 8.59 | 12.2 | 19.6 |
| | 16 | 2.27 | 3.46 | 6.20 | 8.59 | 11.6 | 2.86 | 4.31 | 7.71 | 10.9 | 15.5 | 3.05 | 4.62 | 8.24 | 11.6 | 18.2 | 3.15 | 4.79 | 8.52 | 12.1 | 19.5 |
| | 24 | 2.15 | 3.34 | 6.07 | 8.46 | 11.5 | 2.73 | 4.18 | 7.57 | 10.7 | 15.4 | 2.92 | 4.48 | 8.10 | 11.5 | 18.1 | 3.02 | 4.65 | 8.38 | 11.9 | 19.4 |
| 10 | 12 | 2.28 | 3.47 | 6.21 | 8.60 | 11.6 | 2.87 | 4.33 | 7.72 | 10.9 | 15.3 | 3.07 | 4.64 | 8.25 | 11.7 | 17.9 | 3.17 | 4.80 | 8.53 | 12.1 | 19.2 |
| | 16 | 2.21 | 3.40 | 6.12 | 8.51 | 11.5 | 2.79 | 4.24 | 7.63 | 10.8 | 15.2 | 2.98 | 4.55 | 8.16 | 11.6 | 17.8 | 3.08 | 4.72 | 8.44 | 12.0 | 19.1 |
| | 24 | 2.06 | 3.24 | 5.96 | 8.34 | 11.4 | 2.62 | 4.06 | 7.44 | 10.6 | 15.1 | 2.82 | 4.37 | 7.98 | 11.4 | 17.7 | 2.92 | 4.54 | 8.26 | 11.8 | 18.9 |
| 12 | 12 | 2.17 | 3.35 | 6.05 | 8.23 | 11.4 | 2.74 | 4.18 | 7.54 | 10.3 | 14.6 | 2.94 | 4.49 | 8.08 | 11.4 | 17.0 | 3.04 | 4.66 | 8.37 | 11.7 | 18.1 |
| | 16 | 2.05 | 3.23 | 5.92 | 8.10 | 11.3 | 2.61 | 4.05 | 7.40 | 10.2 | 14.5 | 2.81 | 4.36 | 7.94 | 11.3 | 16.8 | 2.92 | 4.53 | 8.23 | 11.5 | 18.0 |
| | 24 | 1.84 | 2.99 | 5.67 | 7.83 | 11.0 | 2.37 | 3.79 | 7.11 | 9.88 | 14.2 | 2.57 | 4.10 | 7.65 | 10.9 | 16.6 | 2.68 | 4.28 | 7.95 | 11.2 | 17.7 |
| 14 | 12 | 2.02 | 3.17 | 5.83 | 7.71 | 11.0 | 2.57 | 3.99 | 7.28 | 9.54 | 13.6 | 2.77 | 4.30 | 7.84 | 10.6 | 15.7 | 2.88 | 4.48 | 8.14 | 10.9 | 16.9 |
| | 16 | 1.86 | 3.00 | 5.64 | 7.51 | 10.8 | 2.40 | 3.80 | 7.06 | 9.33 | 13.4 | 2.60 | 4.11 | 7.62 | 10.4 | 15.5 | 2.71 | 4.30 | 7.93 | 10.7 | 16.6 |
| | 24 | 1.57 | 2.68 | 5.27 | 7.14 | 10.4 | 2.07 | 3.44 | 6.64 | 8.94 | 13.0 | 2.27 | 3.75 | 7.20 | 9.92 | 15.1 | 2.38 | 3.94 | 7.52 | 10.3 | 16.2 |
| 16 | 12 | 1.83 | 2.95 | 5.42 | 7.01 | 10.1 | 2.36 | 3.73 | 6.63 | 8.59 | 12.4 | 2.56 | 4.05 | 7.13 | 9.61 | 14.3 | 2.67 | 4.25 | 7.42 | 10.0 | 15.4 |
| | 16 | 1.64 | 2.73 | 5.16 | 6.75 | 9.83 | 2.13 | 3.48 | 6.34 | 8.32 | 12.1 | 2.33 | 3.80 | 6.85 | 9.31 | 14.0 | 2.45 | 4.00 | 7.14 | 9.76 | 15.1 |
| | 24 | 1.27[4] | 2.32 | 4.68 | 6.27 | 9.33 | 1.72 | 3.02 | 5.81 | 7.82 | 11.6 | 1.91 | 3.33 | 6.32 | 8.75 | 13.5 | 2.03 | 3.53 | 6.63 | 9.22 | 14.5 |

**15 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 600SR162 | | | | | 600SR200 | | | | | 600SR250 | | | | | 600SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 2.09 | 3.28 | 6.01 | 8.40 | 11.4 | 2.66 | 4.11 | 7.51 | 10.7 | 15.5 | 2.86 | 4.42 | 8.04 | 11.4 | 18.3 | 2.96 | 4.59 | 8.31 | 11.9 | 19.6 |
| | 16 | 1.96 | 3.13 | 5.87 | 8.25 | 11.3 | 2.51 | 3.96 | 7.35 | 10.5 | 15.4 | 2.71 | 4.26 | 7.88 | 11.3 | 18.1 | 2.81 | 4.43 | 8.15 | 11.7 | 19.4 |
| | 24 | 1.69 | 2.85 | 5.57 | 7.95 | 11.0 | 2.22 | 3.64 | 7.02 | 10.2 | 15.1 | 2.41 | 3.95 | 7.55 | 10.9 | 17.8 | 2.51 | 4.12 | 7.83 | 11.4 | 19.1 |
| 9 | 12 | 1.98 | 3.15 | 5.87 | 8.26 | 11.3 | 2.53 | 3.97 | 7.35 | 10.5 | 15.2 | 2.73 | 4.28 | 7.89 | 11.3 | 17.9 | 2.83 | 4.45 | 8.17 | 11.7 | 19.1 |
| | 16 | 1.80 | 2.97 | 5.68 | 8.06 | 11.1 | 2.34 | 3.77 | 7.14 | 10.3 | 15.0 | 2.53 | 4.08 | 7.67 | 11.0 | 17.7 | 2.64 | 4.25 | 7.96 | 11.5 | 18.9 |
| | 24 | 1.47 | 2.61 | 5.31 | 7.66 | 10.7 | 1.97 | 3.37 | 6.73 | 9.88 | 14.6 | 2.16 | 3.68 | 7.26 | 10.6 | 17.3 | 2.26 | 3.85 | 7.54 | 11.1 | 18.4 |
| 10 | 12 | 1.84 | 3.00 | 5.71 | 8.08 | 11.1 | 2.38 | 3.81 | 7.17 | 10.3 | 14.8 | 2.58 | 4.12 | 7.70 | 11.1 | 17.4 | 2.68 | 4.29 | 7.99 | 11.5 | 18.6 |
| | 16 | 1.63 | 2.78 | 5.47 | 7.82 | 10.9 | 2.15 | 3.56 | 6.90 | 10.1 | 14.6 | 2.34 | 3.86 | 7.43 | 10.8 | 17.1 | 2.44 | 4.04 | 7.72 | 11.2 | 18.3 |
| | 24 | 1.22 | 2.33 | 5.00 | 7.33 | 10.4 | 1.69 | 3.07 | 6.38 | 9.52 | 14.1 | 1.88 | 3.37 | 6.91 | 10.2 | 16.6 | 1.98 | 3.55 | 7.21 | 10.7 | 17.7 |
| 12 | 12 | 1.53 | 2.65 | 5.29 | 7.44 | 10.7 | 2.03 | 3.41 | 6.69 | 9.47 | 13.8 | 2.22 | 3.72 | 7.23 | 10.5 | 16.1 | 2.33 | 3.90 | 7.54 | 10.8 | 17.2 |
| | 16 | 1.23 | 2.33 | 4.94 | 7.07 | 10.3 | 1.70 | 3.05 | 6.29 | 9.07 | 13.5 | 1.88 | 3.36 | 6.83 | 10.0 | 15.7 | 1.99 | 3.54 | 7.14 | 10.4 | 16.8 |
| | 24 | 0.67 | 1.71 | 4.27 | 6.36 | 9.58 | 1.08 | 2.37 | 5.53 | 8.32 | 12.8 | 1.25 | 2.66 | 6.07 | 9.20 | 15.0 | 1.35 | 2.85 | 6.38 | 9.55 | 16.0 |
| 14 | 12 | 1.17 | 2.23 | 4.75 | 6.61 | 9.89 | 1.62 | 2.93 | 6.06 | 8.38 | 12.5 | 1.80 | 3.24 | 6.61 | 9.30 | 14.6 | 1.92 | 3.43 | 6.94 | 9.70 | 15.6 |
| | 16 | 0.79[4] | 1.81 | 4.28 | 6.12 | 9.37 | 1.20 | 2.46 | 5.52 | 7.86 | 12.0 | 1.37 | 2.76 | 6.06 | 8.73 | 14.0 | 1.48 | 2.95 | 6.40 | 9.14 | 15.0 |
| | 24 | 0.11[3] | 1.04[4] | 3.41 | 5.22 | 8.41 | 0.43[3] | 1.60[4] | 4.53 | 6.90 | 11.1 | 0.57[4] | 1.87 | 5.05 | 7.66 | 13.0 | 0.67[4] | 2.05 | 5.39 | 8.09 | 13.9 |
| 16 | 12 | 0.78[4] | 1.76 | 4.05 | 5.63 | 8.63 | 1.17 | 2.39 | 5.10 | 7.14 | 11.0 | 1.35 | 2.69 | 5.60 | 7.99 | 12.7 | 1.46 | 2.89 | 5.92 | 8.48 | 13.7 |
| | 16 | 0.34[3] | 1.26[4] | 3.48 | 5.05 | 8.00 | 0.68[3] | 1.82[4] | 4.47 | 6.53 | 10.4 | 0.83[4] | 2.10 | 4.95 | 7.31 | 12.1 | 0.93[4] | 2.29 | 5.27 | 7.79 | 13.0 |
| | 24 | --- | 0.37[3] | 2.48[3] | 4.02[4] | 6.87 | --- | 0.82[3] | 3.36[3] | 5.44 | 9.24 | --- | 1.06[3] | 3.81[4] | 6.08 | 10.8 | --- | 1.23[3] | 4.11[4] | 6.56 | 11.7 |

[1] Deflection meets L/120. [3] Deflection meets L/360. If no note, deflection meets L/720.
[2] Deflection meets L/240. [4] Deflection meets L/600.

Table 5 continued on the next page.

## TABLE 5—COMBINED AXIAL AND LATERAL LOADS (continued)
## Allowable Axial Loads Per Stud (kip)

**20 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 600SR162 | | | | | 600SR200 | | | | | 600SR250 | | | | | 600SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.96 | 3.13 | 5.87 | 8.25 | 11.3 | 2.51 | 3.96 | 7.35 | 10.5 | 15.4 | 2.71 | 4.26 | 7.88 | 11.3 | 18.1 | 2.81 | 4.43 | 8.15 | 11.7 | 19.4 |
| | 16 | 1.78 | 2.94 | 5.67 | 8.05 | 11.1 | 2.32 | 3.75 | 7.13 | 10.3 | 15.2 | 2.51 | 4.05 | 7.66 | 11.0 | 17.9 | 2.61 | 4.22 | 7.94 | 11.5 | 19.2 |
| | 24 | 1.43 | 2.57 | 5.29 | 7.65 | 10.7 | 1.93 | 3.34 | 6.71 | 9.9 | 14.8 | 2.11 | 3.64 | 7.23 | 10.6 | 17.5 | 2.22 | 3.81 | 7.52 | 11.0 | 18.7 |
| 9 | 12 | 1.80 | 2.97 | 5.68 | 8.06 | 11.1 | 2.34 | 3.77 | 7.14 | 10.3 | 15.0 | 2.53 | 4.08 | 7.67 | 11.0 | 17.7 | 2.64 | 4.25 | 7.96 | 11.5 | 18.9 |
| | 16 | 1.58 | 2.73 | 5.43 | 7.79 | 10.8 | 2.09 | 3.50 | 6.86 | 10.0 | 14.8 | 2.28 | 3.81 | 7.39 | 10.7 | 17.4 | 2.39 | 3.98 | 7.68 | 11.2 | 18.6 |
| | 24 | 1.14 | 2.25 | 4.94 | 7.28 | 10.4 | 1.61 | 2.99 | 6.32 | 9.47 | 14.3 | 1.79 | 3.28 | 6.84 | 10.2 | 16.8 | 1.89 | 3.46 | 7.14 | 10.6 | 18.0 |
| 10 | 12 | 1.63 | 2.78 | 5.47 | 7.82 | 10.9 | 2.15 | 3.56 | 6.90 | 10.1 | 14.6 | 2.34 | 3.86 | 7.43 | 10.8 | 17.1 | 2.44 | 4.04 | 7.72 | 11.2 | 18.3 |
| | 16 | 1.35 | 2.48 | 5.16 | 7.49 | 10.6 | 1.84 | 3.23 | 6.55 | 9.69 | 14.3 | 2.03 | 3.53 | 7.08 | 10.4 | 16.8 | 2.13 | 3.71 | 7.38 | 10.9 | 17.9 |
| | 24 | 0.82 | 1.90 | 4.55 | 6.85 | 9.94 | 1.26 | 2.60 | 5.87 | 9.00 | 13.6 | 1.43 | 2.89 | 6.40 | 9.66 | 16.1 | 1.54 | 3.07 | 6.70 | 10.1 | 17.2 |
| 12 | 12 | 1.23 | 2.33 | 4.94 | 7.07 | 10.3 | 1.70 | 3.05 | 6.29 | 9.07 | 13.5 | 1.88 | 3.36 | 6.83 | 10.0 | 15.7 | 1.99 | 3.54 | 7.14 | 10.4 | 16.8 |
| | 16 | 0.86 | 1.91 | 4.48 | 6.59 | 9.82 | 1.28 | 2.59 | 5.78 | 8.56 | 13.0 | 1.45 | 2.89 | 6.32 | 9.48 | 15.2 | 1.56 | 3.07 | 6.63 | 9.82 | 16.2 |
| | 24 | 0.16[3] | 1.13 | 3.63 | 5.69 | 8.90 | 0.50[4] | 1.73 | 4.83 | 7.60 | 12.1 | 0.65[4] | 2.00 | 5.34 | 8.41 | 14.2 | 0.75 | 2.19 | 5.66 | 8.78 | 15.2 |
| 14 | 12 | 0.79[4] | 1.81 | 4.28 | 6.12 | 9.37 | 1.20 | 2.46 | 5.52 | 7.86 | 12.0 | 1.37 | 2.76 | 6.06 | 8.73 | 14.0 | 1.48 | 2.95 | 6.40 | 9.14 | 15.0 |
| | 16 | 0.33[3] | 1.28[4] | 3.69 | 5.51 | 8.72 | 0.68[4] | 1.87 | 4.85 | 7.21 | 11.4 | 0.83[4] | 2.15 | 5.38 | 8.00 | 13.3 | 0.93 | 2.34 | 5.72 | 8.43 | 14.3 |
| | 24 | --- | 0.34[3] | 2.63[3] | 4.40[4] | 7.52 | --- | 0.82[3] | 3.65[4] | 6.03 | 10.2 | --- | 1.06[4] | 4.14 | 6.68 | 12.0 | --- | 1.23[4] | 4.46 | 7.12 | 12.9 |
| 16 | 12 | 0.34[3] | 1.26[4] | 3.48 | 5.05 | 8.00 | 0.68[3] | 1.82[4] | 4.47 | 6.53 | 10.4 | 0.83[4] | 2.10 | 4.95 | 7.31 | 12.1 | 0.93[4] | 2.29 | 5.27 | 7.79 | 13.0 |
| | 16 | --- | 0.65[3] | 2.80[3] | 4.35[4] | 7.23 | --- | 1.14[3] | 3.71[4] | 5.78 | 9.60 | 0.21[3] | 1.39[4] | 4.17 | 6.47 | 11.2 | 0.29[3] | 1.57[4] | 4.48 | 6.95 | 12.1 |
| | 24 | --- | --- | 1.61[3] | 3.12[3] | 5.87[4] | --- | --- | 2.40[3] | 4.48[3] | 8.25 | --- | 0.14[3] | 2.80[3] | 4.99[4] | 9.73 | --- | 0.28[3] | 3.08[3] | 5.45[4] | 10.5 |

**25 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 600SR162 | | | | | 600SR200 | | | | | 600SR250 | | | | | 600SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.82 | 2.99 | 5.72 | 8.10 | 11.1 | 2.37 | 3.80 | 7.18 | 10.4 | 15.2 | 2.56 | 4.10 | 7.71 | 11.1 | 18.0 | 2.66 | 4.27 | 7.99 | 11.5 | 19.3 |
| | 16 | 1.60 | 2.76 | 5.48 | 7.85 | 10.9 | 2.12 | 3.54 | 6.92 | 10.1 | 15.0 | 2.31 | 3.84 | 7.44 | 10.8 | 17.7 | 2.41 | 4.02 | 7.73 | 11.3 | 19.0 |
| | 24 | 1.17 | 2.29 | 5.00 | 7.35 | 10.4 | 1.64 | 3.03 | 6.39 | 9.56 | 14.5 | 1.82 | 3.33 | 6.91 | 10.2 | 17.2 | 1.93 | 3.51 | 7.20 | 10.7 | 18.4 |
| 9 | 12 | 1.63 | 2.79 | 5.50 | 7.86 | 10.9 | 2.15 | 3.57 | 6.93 | 10.1 | 14.8 | 2.34 | 3.87 | 7.46 | 10.8 | 17.5 | 2.45 | 4.05 | 7.75 | 11.3 | 18.7 |
| | 16 | 1.36 | 2.49 | 5.19 | 7.53 | 10.6 | 1.85 | 3.24 | 6.59 | 9.74 | 14.5 | 2.03 | 3.54 | 7.12 | 10.4 | 17.1 | 2.14 | 3.72 | 7.41 | 10.9 | 18.3 |
| | 24 | 0.82 | 1.91 | 4.58 | 6.90 | 9.99 | 1.25 | 2.61 | 5.92 | 9.07 | 13.9 | 1.43 | 2.90 | 6.44 | 9.72 | 16.4 | 1.53 | 3.08 | 6.74 | 10.2 | 17.5 |
| 10 | 12 | 1.42 | 2.55 | 5.23 | 7.57 | 10.6 | 1.92 | 3.31 | 6.64 | 9.78 | 14.3 | 2.10 | 3.61 | 7.17 | 10.5 | 16.9 | 2.21 | 3.79 | 7.46 | 11.0 | 18.0 |
| | 16 | 1.09 | 2.19 | 4.85 | 7.17 | 10.2 | 1.55 | 2.91 | 6.21 | 9.34 | 13.9 | 1.72 | 3.21 | 6.74 | 10.0 | 16.4 | 1.83 | 3.39 | 7.04 | 10.5 | 17.5 |
| | 24 | 0.44 | 1.49 | 4.11 | 6.38 | 9.49 | 0.83 | 2.14 | 5.38 | 8.50 | 13.2 | 1.00 | 2.42 | 5.90 | 9.12 | 15.6 | 1.10 | 2.60 | 6.20 | 9.60 | 16.6 |
| 12 | 12 | 0.95 | 2.01 | 4.60 | 6.71 | 9.93 | 1.38 | 2.70 | 5.91 | 8.69 | 13.1 | 1.56 | 3.00 | 6.44 | 9.62 | 15.3 | 1.67 | 3.19 | 6.76 | 9.95 | 16.4 |
| | 16 | 0.50[4] | 1.51 | 4.05 | 6.13 | 9.35 | 0.88 | 2.15 | 5.29 | 8.07 | 12.5 | 1.04 | 2.44 | 5.82 | 8.94 | 14.7 | 1.15 | 2.62 | 6.14 | 9.29 | 15.7 |
| | 24 | --- | 0.59[3] | 3.04[4] | 5.06 | 8.25 | --- | 1.12[4] | 4.16 | 6.92 | 11.4 | --- | 1.38 | 4.66 | 7.65 | 13.5 | 0.18[4] | 1.56 | 4.97 | 8.04 | 14.4 |
| 14 | 12 | 0.44[3] | 1.41 | 3.83 | 5.66 | 8.88 | 0.80[4] | 2.02 | 5.01 | 7.37 | 11.5 | 0.96 | 2.30 | 5.54 | 8.18 | 13.5 | 1.07 | 2.49 | 5.88 | 8.60 | 14.4 |
| | 16 | --- | 0.80[3] | 3.14[4] | 4.93 | 8.11 | 0.19[3] | 1.33[4] | 4.23 | 6.60 | 10.8 | 0.33[3] | 1.59 | 4.74 | 7.32 | 12.6 | 0.42[3] | 1.77 | 5.07 | 7.76 | 13.5 |
| | 24 | --- | --- | 1.91[3] | 3.64[3] | 6.70 | --- | 0.10[3] | 2.84[3] | 5.22[4] | 9.41 | | 0.31[3] | 3.29[3] | 5.78 | 11.1 | --- | 0.46[3] | 3.60[4] | 6.22 | 11.9 |
| 16 | 12 | --- | 0.80[3] | 2.96[4] | 4.52 | 7.42 | 0.23[3] | 1.31[3] | 3.89[4] | 5.96 | 9.78 | 0.36[3] | 1.56[4] | 4.36 | 6.67 | 11.4 | 0.45[3] | 1.74[4] | 4.67 | 7.16 | 12.3 |
| | 16 | --- | 0.10[3] | 2.18[3] | 3.71[3] | 6.53 | --- | 0.52[3] | 3.03[3] | 5.11[4] | 8.90 | --- | 0.74[3] | 3.46[3] | 5.70 | 10.5 | --- | 0.90[3] | 3.76[4] | 6.18 | 11.3 |
| | 24 | --- | --- | 0.83[2] | 2.31[3] | 4.96[3] | --- | --- | 1.53[2] | 3.61[3] | 7.35[3] | --- | --- | 1.88[3] | 4.01[3] | 8.72[4] | --- | --- | 2.14[3] | 4.44[3] | 9.36 |

**30 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 600SR162 | | | | | 600SR200 | | | | | 600SR250 | | | | | 600SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.69 | 2.85 | 5.57 | 7.95 | 11.0 | 2.22 | 3.64 | 7.02 | 10.2 | 15.1 | 2.41 | 3.95 | 7.55 | 10.9 | 17.8 | 2.51 | 4.12 | 7.83 | 11.4 | 19.1 |
| | 16 | 1.43 | 2.57 | 5.29 | 7.65 | 10.7 | 1.93 | 3.34 | 6.71 | 9.87 | 14.8 | 2.11 | 3.64 | 7.23 | 10.6 | 17.5 | 2.22 | 3.81 | 7.52 | 11.0 | 18.7 |
| | 24 | 0.91 | 2.02 | 4.72 | 7.06 | 10.2 | 1.36 | 2.73 | 6.08 | 9.25 | 14.2 | 1.54 | 3.03 | 6.60 | 9.91 | 16.9 | 1.64 | 3.20 | 6.89 | 10.4 | 18.0 |
| 9 | 12 | 1.47 | 2.61 | 5.31 | 7.66 | 10.7 | 1.97 | 3.37 | 6.73 | 9.88 | 14.6 | 2.16 | 3.68 | 7.26 | 10.6 | 17.3 | 2.26 | 3.85 | 7.54 | 11.1 | 18.4 |
| | 16 | 1.14 | 2.25 | 4.94 | 7.28 | 10.4 | 1.61 | 2.99 | 6.32 | 9.47 | 14.3 | 1.79 | 3.28 | 6.84 | 10.2 | 16.8 | 1.89 | 3.46 | 7.14 | 10.6 | 18.0 |
| | 24 | 0.50 | 1.57 | 4.23 | 6.53 | 9.64 | 0.91 | 2.23 | 5.53 | 8.68 | 13.5 | 1.07 | 2.52 | 6.04 | 9.30 | 16.0 | 1.18 | 2.70 | 6.34 | 9.77 | 17.1 |
| 10 | 12 | 1.22 | 2.33 | 5.00 | 7.33 | 10.4 | 1.69 | 3.07 | 6.38 | 9.52 | 14.1 | 1.88 | 3.37 | 6.91 | 10.2 | 16.6 | 1.98 | 3.55 | 7.21 | 10.7 | 17.7 |
| | 16 | 0.82 | 1.90 | 4.55 | 6.85 | 9.94 | 1.26 | 2.60 | 5.87 | 9.00 | 13.6 | 1.43 | 2.89 | 6.40 | 9.66 | 16.1 | 1.54 | 3.07 | 6.70 | 10.1 | 17.2 |
| | 24 | --- | 1.09 | 3.68 | 5.92 | 9.05 | 0.43 | 1.69 | 4.91 | 8.02 | 12.7 | 0.58 | 1.97 | 5.41 | 8.60 | 15.1 | 0.68 | 2.15 | 5.72 | 9.08 | 16.1 |
| 12 | 12 | 0.67 | 1.71 | 4.27 | 6.36 | 9.58 | 1.08 | 2.37 | 5.53 | 8.32 | 12.8 | 1.25 | 2.66 | 6.07 | 9.20 | 15.0 | 1.35 | 2.85 | 6.38 | 9.55 | 16.0 |
| | 16 | 0.16[3] | 1.13 | 3.63 | 5.69 | 8.90 | 0.50[4] | 1.73 | 4.83 | 7.60 | 12.1 | 0.65[4] | 2.00 | 5.34 | 8.41 | 14.2 | 0.75 | 2.19 | 5.66 | 8.78 | 15.2 |
| | 24 | --- | --- | 2.48[3] | 4.45 | 7.63 | --- | 0.55[3] | 3.52[4] | 6.28 | 10.8 | --- | 0.79[4] | 4.00 | 6.93 | 12.8 | --- | 0.95[4] | 4.31 | 7.33 | 13.6 |
| 14 | 12 | 0.11[3] | 1.04[4] | 3.41 | 5.22 | 8.41 | 0.43[3] | 1.60[4] | 4.53 | 6.90 | 11.1 | 0.57[4] | 1.87 | 5.05 | 7.66 | 13.0 | 0.67[4] | 2.05 | 5.39 | 8.09 | 13.9 |
| | 16 | --- | 0.34[3] | 2.63[3] | 4.40[4] | 7.52 | --- | 0.82[3] | 3.65[4] | 6.03 | 10.2 | --- | 1.06[4] | 4.14 | 6.68 | 12.0 | --- | 1.23[4] | 4.46 | 7.12 | 12.9 |
| | 24 | --- | --- | 1.25[3] | 2.94[3] | 5.93[4] | --- | --- | 2.09[3] | 4.47[3] | 8.65 | --- | --- | 2.50[3] | 4.93[4] | 10.3 | --- | --- | 2.80[3] | 5.36[4] | 10.9 |
| 16 | 12 | --- | 0.37[3] | 2.48[3] | 4.02[4] | 6.87 | --- | 0.82[3] | 3.36[3] | 5.44 | 9.24 | --- | 1.06[3] | 3.81[4] | 6.08 | 10.8 | --- | 1.23[3] | 4.11[4] | 6.56 | 11.7 |
| | 16 | --- | --- | 1.61[3] | 3.12[3] | 5.87[4] | --- | --- | 2.40[3] | 4.48[3] | 8.25 | --- | 0.14[3] | 2.80[3] | 4.99[4] | 9.73 | --- | 0.28[3] | 3.08[3] | 5.45[4] | 10.5 |
| | 24 | --- | --- | 0.12[2] | 1.56[2] | 4.12[3] | --- | --- | 0.73[2] | 2.81[3] | 6.52[3] | --- | --- | 1.05[2] | 3.10[3] | 7.79[3] | --- | --- | 1.27[2] | 3.51[3] | 8.33[4] |

[1] Deflection meets L/120. [3] Deflection meets L/360. If no note, deflection meets L/720.
[2] Deflection meets L/240. [4] Deflection meets L/600.

Table 5 continued on the next page.

## TABLE 5—COMBINED AXIAL AND LATERAL LOADS (continued)
## Allowable Axial Loads Per Stud (kip)

**35 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 600SR162 | | | | | 600SR200 | | | | | 600SR250 | | | | | 600SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.56 | 2.71 | 5.43 | 7.80 | 10.8 | 2.07 | 3.49 | 6.86 | 10.0 | 14.9 | 2.26 | 3.79 | 7.39 | 10.7 | 17.7 | 2.36 | 3.96 | 7.67 | 11.2 | 18.9 |
| | 16 | 1.25 | 2.38 | 5.10 | 7.45 | 10.5 | 1.74 | 3.13 | 6.50 | 9.66 | 14.6 | 1.92 | 3.43 | 7.02 | 10.4 | 17.3 | 2.02 | 3.61 | 7.31 | 10.8 | 18.5 |
| | 24 | 0.66 | 1.75 | 4.45 | 6.77 | 9.9 | 1.08 | 2.44 | 5.78 | 8.95 | 13.9 | 1.25 | 2.73 | 6.29 | 9.58 | 16.5 | 1.36 | 2.90 | 6.58 | 10.0 | 17.7 |
| 9 | 12 | 1.30 | 2.43 | 5.12 | 7.47 | 10.5 | 1.79 | 3.18 | 6.52 | 9.68 | 14.4 | 1.97 | 3.48 | 7.05 | 10.4 | 17.0 | 2.08 | 3.66 | 7.34 | 10.8 | 18.2 |
| | 16 | 0.92 | 2.02 | 4.70 | 7.02 | 10.1 | 1.37 | 2.73 | 6.05 | 9.21 | 14.0 | 1.55 | 3.03 | 6.57 | 9.86 | 16.6 | 1.65 | 3.21 | 6.87 | 10.3 | 17.7 |
| | 24 | 0.20 | 1.24 | 3.88 | 6.16 | 9.29 | 0.57 | 1.87 | 5.14 | 8.29 | 13.2 | 0.73 | 2.15 | 5.65 | 8.88 | 15.6 | 0.83 | 2.33 | 5.95 | 9.36 | 16.7 |
| 10 | 12 | 1.02 | 2.12 | 4.77 | 7.09 | 10.2 | 1.47 | 2.83 | 6.12 | 9.26 | 13.9 | 1.65 | 3.13 | 6.65 | 9.93 | 16.3 | 1.76 | 3.31 | 6.95 | 10.4 | 17.4 |
| | 16 | 0.57 | 1.63 | 4.25 | 6.53 | 9.64 | 0.97 | 2.29 | 5.54 | 8.67 | 13.3 | 1.14 | 2.58 | 6.06 | 9.30 | 15.7 | 1.24 | 2.76 | 6.37 | 9.78 | 16.8 |
| | 24 | --- | 0.70[4] | 3.27 | 5.48 | 8.61 | --- | 1.26 | 4.44 | 7.54 | 12.3 | 0.17[4] | 1.53 | 4.94 | 8.08 | 14.6 | 0.27 | 1.70 | 5.25 | 8.57 | 15.5 |
| 12 | 12 | 0.41[4] | 1.42 | 3.95 | 6.02 | 9.24 | 0.78 | 2.04 | 5.17 | 7.95 | 12.4 | 0.94 | 2.33 | 5.70 | 8.80 | 14.6 | 1.05 | 2.51 | 6.02 | 9.16 | 15.6 |
| | 16 | --- | 0.77[4] | 3.23 | 5.27 | 8.47 | 0.13[3] | 1.32 | 4.38 | 7.15 | 11.7 | 0.27[4] | 1.58 | 4.88 | 7.90 | 13.7 | 0.37[4] | 1.76 | 5.20 | 8.28 | 14.6 |
| | 24 | --- | --- | 1.94[3] | 3.88[4] | 7.03 | --- | --- | 2.92[3] | 5.66 | 10.2 | --- | 0.22[3] | 3.37[4] | 6.24 | 12.1 | --- | 0.37[3] | 3.68[4] | 6.64 | 12.9 |
| 14 | 12 | --- | 0.68[3] | 3.01[4] | 4.80 | 7.96 | --- | 1.20[4] | 4.08 | 6.45 | 10.7 | 0.21[3] | 1.45[4] | 4.58 | 7.16 | 12.5 | 0.30[3] | 1.63 | 4.92 | 7.60 | 13.4 |
| | 16 | --- | --- | 2.14[3] | 3.89[3] | 6.97 | --- | 0.33[3] | 3.10[3] | 5.48[4] | 9.68 | --- | 0.55[3] | 3.57[4] | 6.07 | 11.4 | --- | 0.71[3] | 3.88[4] | 6.51 | 12.2 |
| | 24 | --- | --- | 0.62[2] | 2.28[3] | 5.20[3] | --- | --- | 1.38[3] | 3.76[3] | 7.93[4] | --- | --- | 1.76[3] | 4.13[3] | 9.45 | --- | --- | 2.03[3] | 4.55[3] | 10.1 |
| 16 | 12 | --- | --- | 2.03[3] | 3.56[3] | 6.36 | --- | 0.37[3] | 2.86[3] | 4.94[4] | 8.74 | --- | 0.59[3] | 3.29[3] | 5.52[4] | 10.3 | --- | 0.74[3] | 3.58[4] | 5.99 | 11.1 |
| | 16 | --- | --- | 1.08[2] | 2.57[3] | 5.25[3] | --- | --- | 1.81[3] | 3.89[3] | 7.64[4] | --- | --- | 2.18[3] | 4.33[3] | 9.05 | --- | --- | 2.45[3] | 4.77[3] | 9.72 |
| | 24 | --- | --- | --- | 0.86[2] | 3.34[3] | --- | --- | --- | 2.07[2] | 5.73[3] | --- | --- | 0.27[2] | 2.26[2] | 6.92[3] | --- | --- | 0.46[2] | 2.64[3] | 7.37[3] |

**40 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 600SR162 | | | | | 600SR200 | | | | | 600SR250 | | | | | 600SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.43 | 2.57 | 5.29 | 7.65 | 10.7 | 1.93 | 3.34 | 6.71 | 9.87 | 14.8 | 2.11 | 3.64 | 7.23 | 10.6 | 17.5 | 2.22 | 3.81 | 7.52 | 11.0 | 18.7 |
| | 16 | 1.08 | 2.20 | 4.91 | 7.25 | 10.3 | 1.55 | 2.93 | 6.29 | 9.46 | 14.4 | 1.73 | 3.23 | 6.81 | 10.1 | 17.1 | 1.83 | 3.40 | 7.10 | 10.6 | 18.3 |
| | 24 | 0.41 | 1.49 | 4.17 | 6.48 | 9.60 | 0.81 | 2.15 | 5.47 | 8.64 | 13.7 | 0.97 | 2.43 | 5.98 | 9.25 | 16.2 | 1.08 | 2.61 | 6.28 | 9.72 | 17.3 |
| 9 | 12 | 1.14 | 2.25 | 4.94 | 7.28 | 10.4 | 1.61 | 2.99 | 6.32 | 9.47 | 14.3 | 1.79 | 3.28 | 6.84 | 10.2 | 16.8 | 1.89 | 3.46 | 7.14 | 10.6 | 18.0 |
| | 16 | 0.71 | 1.79 | 4.46 | 6.77 | 9.88 | 1.14 | 2.48 | 5.79 | 8.94 | 13.8 | 1.31 | 2.77 | 6.31 | 9.58 | 16.3 | 1.41 | 2.95 | 6.60 | 10.1 | 17.4 |
| | 24 | --- | 0.92 | 3.54 | 5.80 | 8.94 | 0.24 | 1.51 | 4.77 | 7.91 | 12.8 | 0.39 | 1.79 | 5.27 | 8.47 | 15.2 | 0.49 | 1.96 | 5.57 | 8.95 | 16.2 |
| 10 | 12 | 0.82 | 1.90 | 4.55 | 6.85 | 9.94 | 1.26 | 2.60 | 5.87 | 9.00 | 13.6 | 1.43 | 2.89 | 6.40 | 9.66 | 16.1 | 1.54 | 3.07 | 6.70 | 10.1 | 17.2 |
| | 16 | 0.32 | 1.35 | 3.97 | 6.23 | 9.34 | 0.70 | 1.99 | 5.22 | 8.34 | 13.0 | 0.86 | 2.27 | 5.74 | 8.94 | 15.4 | 0.96 | 2.45 | 6.04 | 9.43 | 16.4 |
| | 24 | --- | 0.32[4] | 2.86 | 5.04 | 8.19 | --- | 0.84 | 3.99 | 7.07 | 11.9 | --- | 1.09 | 4.48 | 7.58 | 14.1 | --- | 1.27 | 4.78 | 8.07 | 15.0 |
| 12 | 12 | 0.16[3] | 1.13 | 3.63 | 5.69 | 8.90 | 0.50[4] | 1.73 | 4.83 | 7.60 | 12.1 | 0.65[4] | 2.00 | 5.34 | 8.41 | 14.2 | 0.75 | 2.19 | 5.66 | 8.78 | 15.2 |
| | 16 | --- | 0.42[3] | 2.85[4] | 4.85 | 8.04 | --- | 0.93[4] | 3.94 | 6.70 | 11.2 | --- | 1.18 | 4.43 | 7.41 | 13.2 | --- | 1.35 | 4.75 | 7.80 | 14.1 |
| | 24 | --- | --- | 1.42[3] | 3.32[3] | 6.45 | --- | --- | 2.33[3] | 5.06[4] | 9.62 | --- | --- | 2.77[3] | 5.57 | 11.5 | --- | --- | 3.06[4] | 5.98 | 12.2 |
| 14 | 12 | --- | 0.34[3] | 2.63[3] | 4.40[4] | 7.52 | --- | 0.82[3] | 3.65[4] | 6.03 | 10.22 | --- | 1.06[4] | 4.14 | 6.68 | 12.0 | --- | 1.23[4] | 4.46 | 7.12 | 12.9 |
| | 16 | --- | --- | 1.68[3] | 3.40[3] | 6.44[4] | --- | --- | 2.58[3] | 4.96[4] | 9.16 | --- | --- | 3.02[3] | 5.49[4] | 10.8 | --- | 0.21[3] | 3.33[3] | 5.93 | 11.6 |
| | 24 | --- | --- | --- | 1.65[2] | 4.51[3] | --- | --- | 0.72[2] | 3.08[3] | 7.24[3] | --- | --- | 1.06[3] | 3.38[3] | 8.68[4] | --- | | 1.31[3] | 3.78[3] | 9.22 |
| 16 | 12 | --- | --- | 1.61[3] | 3.12[3] | 5.87[4] | --- | --- | 2.40[3] | 4.48[3] | 8.25 | --- | 0.14[3] | 2.80[3] | 4.99[4] | 9.73 | --- | 0.28[3] | 3.08[3] | 5.45[4] | 10.5 |
| | 16 | --- | --- | 0.59[2] | 2.05[2] | 4.67[3] | --- | --- | 1.26[2] | 3.34[3] | 7.07[3] | --- | --- | 1.60[3] | 3.70[3] | 8.40[4] | --- | --- | 1.85[3] | 4.12[3] | 9.01 |
| | 24 | --- | --- | --- | 0.21[1] | 2.60[2] | --- | --- | --- | 1.37[2] | 5.00[3] | --- | --- | --- | 1.47[2] | 6.09[3] | --- | --- | --- | 1.81[2] | 6.45[3] |

**50 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 600SR162 | | | | | 600SR200 | | | | | 600SR250 | | | | | 600SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | 1.17 | 2.29 | 5.00 | 7.35 | 10.4 | 1.64 | 3.03 | 6.39 | 9.56 | 14.5 | 1.82 | 3.33 | 6.91 | 10.2 | 17.2 | 1.93 | 3.51 | 7.20 | 10.7 | 18.4 |
| | 16 | 0.74 | 1.84 | 4.54 | 6.87 | 9.97 | 1.18 | 2.54 | 5.88 | 9.05 | 14.0 | 1.35 | 2.83 | 6.39 | 9.69 | 16.6 | 1.45 | 3.00 | 6.68 | 10.2 | 17.8 |
| | 24 | --- | 0.96 | 3.63 | 5.92 | 9.07 | 0.28 | 1.57 | 4.88 | 8.05 | 13.1 | 0.43 | 1.85 | 5.38 | 8.61 | 15.6 | 0.53 | 2.03 | 5.67 | 9.08 | 16.7 |
| 9 | 12 | 0.82 | 1.91 | 4.58 | 6.90 | 9.99 | 1.25 | 2.61 | 5.92 | 9.07 | 13.9 | 1.43 | 2.90 | 6.44 | 9.72 | 16.4 | 1.53 | 3.08 | 6.74 | 10.2 | 17.5 |
| | 16 | 0.30 | 1.35 | 4.00 | 6.28 | 9.41 | 0.68 | 1.99 | 5.27 | 8.42 | 13.3 | 0.84 | 2.27 | 5.78 | 9.02 | 15.8 | 0.94 | 2.45 | 6.08 | 9.49 | 16.8 |
| | 24 | --- | 0.29[4] | 2.88 | 5.10 | 8.26 | --- | 0.82 | 4.03 | 7.16 | 12.1 | --- | 1.07 | 4.52 | 7.66 | 14.4 | --- | 1.25 | 4.81 | 8.14 | 15.4 |
| 10 | 12 | 0.44 | 1.49 | 4.11 | 6.38 | 9.49 | 0.83 | 2.14 | 5.38 | 8.50 | 13.2 | 1.00 | 2.42 | 5.90 | 9.12 | 15.6 | 1.10 | 2.60 | 6.20 | 9.60 | 16.6 |
| | 16 | --- | 0.83 | 3.40 | 5.63 | 8.76 | 0.16[4] | 1.40 | 4.60 | 7.70 | 12.4 | 0.30 | 1.67 | 5.10 | 8.25 | 14.7 | 0.40 | 1.85 | 5.40 | 8.74 | 15.7 |
| | 24 | --- | --- | 2.08[4] | 4.20 | 7.36 | --- | --- | 3.12 | 6.17 | 11.0 | --- | 0.26[4] | 3.58 | 6.61 | 13.1 | | 0.42 | 3.88 | 7.10 | 13.9 |
| 12 | 12 | --- | 0.59[3] | 3.04[4] | 5.06 | 8.25 | --- | 1.12[4] | 4.16 | 6.92 | 11.4 | --- | 1.38 | 4.66 | 7.65 | 13.5 | 0.18[4] | 1.56 | 4.97 | 8.04 | 14.4 |
| | 16 | --- | --- | 2.11[3] | 4.07[4] | 7.23 | --- | 0.18[3] | 3.11[4] | 5.86 | 10.4 | --- | 0.40[3] | 3.58[4] | 6.47 | 12.3 | --- | 0.56[4] | 3.89 | 6.87 | 13.1 |
| | 24 | --- | --- | 0.45[2] | 2.27[3] | 5.34[4] | --- | | 1.24[3] | 3.93[3] | 8.50[4] | --- | --- | 1.62[3] | 4.30[3] | 10.2 | --- | --- | 1.90[3] | 4.71[4] | 10.8 |
| 14 | 12 | --- | --- | 1.91[3] | 3.64[3] | 6.70 | --- | 0.10[3] | 2.84[3] | 5.22[4] | 9.41 | --- | 0.31[3] | 3.29[3] | 5.78 | 11.1 | --- | 0.46[3] | 3.60[4] | 6.22 | 11.9 |
| | 16 | --- | --- | 0.83[2] | 2.49[3] | 5.44[3] | --- | --- | 1.61[3] | 3.99[3] | 8.17[4] | --- | --- | 2.00[3] | 4.39[3] | 9.72 | --- | --- | 2.28[3] | 4.82[4] | 10.4 |
| | 24 | --- | --- | | 0.49[2] | 3.21[3] | --- | --- | --- | 1.83[2] | 5.94[3] | --- | --- | --- | 1.96[3] | 7.23[3] | --- | --- | --- | 2.34[3] | 7.62[3] |
| 16 | 12 | --- | --- | 0.83[2] | 2.31[3] | 4.96[3] | --- | --- | 1.53[2] | 3.61[3] | 7.35[3] | --- | --- | 1.88[3] | 4.01[3] | 8.72[4] | --- | --- | 2.14[3] | 4.44[3] | 9.36 |
| | 16 | --- | --- | --- | 1.09[2] | 3.59[3] | --- | --- | 0.24[2] | 2.31[2] | 5.99[3] | --- | --- | 0.52[2] | 2.54[3] | 7.20[3] | --- | --- | 0.73[2] | 2.92[3] | 7.68[3] |
| | 24 | --- | --- | --- | --- | 1.24[2] | --- | --- | --- | --- | 3.63[2] | --- | --- | --- | --- | 4.56[2] | --- | --- | --- | 0.29[2] | 4.76[3] |

[1] Deflection meets L/120. [3] Deflection meets L/360. If no note, deflection meets L/720.
[2] Deflection meets L/240. [4] Deflection meets L/600.

Table 5 continued on the next page.

## TABLE 5—COMBINED AXIAL AND LATERAL LOADS (continued)
## Allowable Axial Loads Per Stud (kip)

**5 psf Lateral Load (Interior Use Only)**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 800SR162 | | | | | 800SR200 | | | | | 800SR250 | | | | | 800SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | --- | 3.04 | 5.30 | 7.54 | 12.8 | --- | 3.72 | 6.49 | 9.18 | 15.4 | --- | 3.81 | 6.66 | 9.43 | 15.9 | --- | 4.10 | 7.16 | 10.2 | 17.2 |
| | 16 | --- | 3.02 | 5.27 | 7.51 | 12.8 | --- | 3.69 | 6.46 | 9.15 | 15.4 | --- | 3.78 | 6.63 | 9.40 | 15.8 | --- | 4.07 | 7.13 | 10.1 | 17.2 |
| | 24 | --- | 2.96 | 5.22 | 7.45 | 12.7 | --- | 3.63 | 6.40 | 9.08 | 15.3 | --- | 3.72 | 6.57 | 9.33 | 15.8 | --- | 4.01 | 7.06 | 10.1 | 17.1 |
| 9 | 12 | --- | 3.02 | 5.28 | 7.51 | 12.8 | --- | 3.70 | 6.47 | 9.15 | 15.4 | --- | 3.79 | 6.63 | 9.40 | 15.9 | --- | 4.08 | 7.13 | 10.1 | 17.2 |
| | 16 | --- | 2.98 | 5.24 | 7.48 | 12.7 | --- | 3.66 | 6.43 | 9.11 | 15.3 | --- | 3.75 | 6.59 | 9.36 | 15.8 | --- | 4.03 | 7.09 | 10.1 | 17.1 |
| | 24 | --- | 2.91 | 5.17 | 7.41 | 12.6 | --- | 3.58 | 6.34 | 9.02 | 15.2 | --- | 3.67 | 6.51 | 9.28 | 15.7 | --- | 3.95 | 7.01 | 10.0 | 17.1 |
| 10 | 12 | --- | 2.99 | 5.25 | 7.49 | 12.7 | --- | 3.67 | 6.43 | 9.12 | 15.3 | --- | 3.76 | 6.60 | 9.37 | 15.8 | --- | 4.04 | 7.10 | 10.1 | 17.2 |
| | 16 | --- | 2.95 | 5.21 | 7.44 | 12.7 | --- | 3.62 | 6.38 | 9.06 | 15.3 | --- | 3.71 | 6.55 | 9.32 | 15.8 | --- | 3.99 | 7.05 | 10.1 | 17.1 |
| | 24 | --- | 2.86 | 5.12 | 7.35 | 12.6 | --- | 3.52 | 6.28 | 8.96 | 15.2 | --- | 3.61 | 6.45 | 9.21 | 15.7 | --- | 3.89 | 6.95 | 9.94 | 17.0 |
| 12 | 12 | --- | 2.93 | 5.18 | 7.42 | 12.7 | --- | 3.59 | 6.36 | 9.04 | 15.2 | --- | 3.69 | 6.53 | 9.29 | 15.7 | --- | 3.97 | 7.02 | 10.0 | 17.1 |
| | 16 | --- | 2.86 | 5.12 | 7.35 | 12.6 | --- | 3.52 | 6.28 | 8.96 | 15.1 | --- | 3.62 | 6.45 | 9.21 | 15.6 | --- | 3.90 | 6.95 | 9.94 | 17.0 |
| | 24 | --- | 2.73 | 4.99 | 7.22 | 12.4 | --- | 3.37 | 6.13 | 8.80 | 15.0 | --- | 3.47 | 6.31 | 9.06 | 15.5 | --- | 3.75 | 6.80 | 9.78 | 16.8 |
| 14 | 12 | --- | 2.85 | 5.10 | 7.33 | 12.6 | --- | 3.50 | 6.26 | 8.93 | 15.1 | --- | 3.60 | 6.43 | 9.19 | 15.6 | --- | 3.88 | 6.93 | 9.92 | 16.9 |
| | 16 | --- | 2.76 | 5.01 | 7.24 | 12.5 | --- | 3.40 | 6.15 | 8.82 | 15.0 | --- | 3.50 | 6.33 | 9.08 | 15.5 | --- | 3.78 | 6.82 | 9.80 | 16.8 |
| | 24 | --- | 2.58 | 4.83 | 7.05 | 12.3 | --- | 3.19 | 5.94 | 8.59 | 14.7 | --- | 3.30 | 6.12 | 8.86 | 15.2 | --- | 3.57 | 6.61 | 9.58 | 16.6 |
| 16 | 12 | --- | 2.76 | 5.00 | 7.22 | 12.4 | --- | 3.39 | 6.14 | 8.79 | 14.9 | --- | 3.49 | 6.31 | 9.06 | 15.5 | --- | 3.77 | 6.81 | 9.78 | 16.8 |
| | 16 | --- | 2.64 | 4.88 | 7.09 | 12.3 | --- | 3.25 | 5.99 | 8.64 | 14.8 | --- | 3.36 | 6.17 | 8.90 | 15.3 | --- | 3.63 | 6.66 | 9.63 | 16.6 |
| | 24 | --- | 2.40 | 4.63 | 6.83 | 12.0 | --- | 2.98 | 5.71 | 8.33 | 14.4 | --- | 3.10 | 5.89 | 8.60 | 14.9 | --- | 3.36 | 6.37 | 9.32 | 16.3 |

**15 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 800SR162 | | | | | 800SR200 | | | | | 800SR250 | | | | | 800SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | --- | 2.88 | 5.13 | 7.37 | 12.6 | --- | 3.53 | 6.30 | 8.98 | 15.2 | --- | 3.63 | 6.47 | 9.24 | 15.7 | --- | 3.91 | 6.97 | 10.0 | 17.0 |
| | 16 | --- | 2.79 | 5.05 | 7.29 | 12.5 | --- | 3.44 | 6.21 | 8.88 | 15.1 | --- | 3.54 | 6.38 | 9.14 | 15.6 | --- | 3.82 | 6.87 | 9.87 | 16.9 |
| | 24 | --- | 2.62 | 4.89 | 7.12 | 12.4 | --- | 3.25 | 6.02 | 8.69 | 14.9 | --- | 3.36 | 6.20 | 8.95 | 15.4 | --- | 3.63 | 6.68 | 9.67 | 16.7 |
| 9 | 12 | --- | 2.81 | 5.07 | 7.30 | 12.5 | --- | 3.46 | 6.22 | 8.90 | 15.1 | --- | 3.55 | 6.40 | 9.16 | 15.6 | --- | 3.83 | 6.89 | 9.88 | 16.9 |
| | 16 | --- | 2.70 | 4.96 | 7.19 | 12.4 | --- | 3.33 | 6.10 | 8.77 | 15.0 | --- | 3.44 | 6.28 | 9.03 | 15.5 | --- | 3.71 | 6.77 | 9.76 | 16.8 |
| | 24 | --- | 2.49 | 4.75 | 6.98 | 12.2 | --- | 3.09 | 5.86 | 8.52 | 14.7 | --- | 3.20 | 6.05 | 8.79 | 15.2 | --- | 3.47 | 6.52 | 9.50 | 16.5 |
| 10 | 12 | --- | 2.73 | 4.99 | 7.22 | 12.4 | --- | 3.36 | 6.13 | 8.80 | 15.0 | --- | 3.47 | 6.31 | 9.06 | 15.5 | --- | 3.74 | 6.80 | 9.78 | 16.8 |
| | 16 | --- | 2.59 | 4.86 | 7.08 | 12.3 | --- | 3.21 | 5.98 | 8.64 | 14.8 | --- | 3.32 | 6.16 | 8.91 | 15.3 | --- | 3.59 | 6.64 | 9.63 | 16.6 |
| | 24 | --- | 2.33 | 4.60 | 6.81 | 12.0 | --- | 2.92 | 5.68 | 8.33 | 14.5 | --- | 3.03 | 5.87 | 8.61 | 15.0 | --- | 3.29 | 6.34 | 9.31 | 16.3 |
| 12 | 12 | --- | 2.54 | 4.80 | 7.02 | 12.2 | --- | 3.15 | 5.91 | 8.56 | 14.7 | --- | 3.26 | 6.09 | 8.83 | 15.2 | --- | 3.53 | 6.57 | 9.55 | 16.5 |
| | 16 | --- | 2.35 | 4.60 | 6.82 | 12.0 | --- | 2.93 | 5.69 | 8.33 | 14.5 | --- | 3.05 | 5.88 | 8.60 | 15.0 | --- | 3.31 | 6.35 | 9.31 | 16.3 |
| | 24 | --- | 1.97 | 4.22 | 6.42 | 11.6 | --- | 2.50 | 5.25 | 7.86 | 13.9 | --- | 2.63 | 5.45 | 8.15 | 14.5 | --- | 2.88 | 5.91 | 8.85 | 15.8 |
| 14 | 12 | --- | 2.32 | 4.56 | 6.76 | 11.9 | --- | 2.89 | 5.63 | 8.26 | 14.4 | --- | 3.01 | 5.82 | 8.54 | 14.9 | --- | 3.27 | 6.29 | 9.24 | 16.2 |
| | 16 | --- | 2.05 | 4.29 | 6.48 | 11.6 | --- | 2.59 | 5.32 | 7.93 | 14.0 | --- | 2.72 | 5.52 | 8.22 | 14.5 | --- | 2.97 | 5.98 | 8.91 | 15.8 |
| | 24 | --- | 1.55 | 3.78 | 5.94 | 11.1 | --- | 2.02 | 4.72 | 7.29 | 13.3 | --- | 2.16 | 4.94 | 7.59 | 13.8 | --- | 2.39 | 5.38 | 8.27 | 15.1 |
| 16 | 12 | --- | 2.05 | 4.27 | 6.45 | 11.6 | --- | 2.59 | 5.29 | 7.87 | 13.9 | --- | 2.71 | 5.49 | 8.16 | 14.4 | --- | 2.96 | 5.95 | 8.86 | 15.7 |
| | 16 | --- | 1.72 | 3.92 | 6.08 | 11.2 | --- | 2.20 | 4.88 | 7.43 | 13.4 | --- | 2.34 | 5.09 | 7.74 | 14.0 | --- | 2.58 | 5.54 | 8.42 | 15.2 |
| | 24 | --- | 1.07 | 3.25 | 5.36 | 10.4 | --- | 1.47 | 4.11 | 6.59 | 12.4 | --- | 1.63 | 4.33 | 6.91 | 13.0 | --- | 1.83 | 4.75 | 7.57 | 14.3 |

**20 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 800SR162 | | | | | 800SR200 | | | | | 800SR250 | | | | | 800SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | --- | 2.79 | 5.05 | 7.29 | 12.5 | --- | 3.44 | 6.21 | 8.88 | 15.1 | --- | 3.54 | 6.38 | 9.14 | 15.6 | --- | 3.82 | 6.87 | 9.87 | 16.9 |
| | 16 | --- | 2.68 | 4.94 | 7.17 | 12.4 | --- | 3.31 | 6.09 | 8.75 | 14.9 | --- | 3.42 | 6.26 | 9.02 | 15.4 | --- | 3.69 | 6.75 | 9.74 | 16.8 |
| | 24 | --- | 2.46 | 4.73 | 6.95 | 12.2 | --- | 3.06 | 5.84 | 8.49 | 14.7 | --- | 3.17 | 6.02 | 8.76 | 15.2 | --- | 3.44 | 6.50 | 9.48 | 16.5 |
| 9 | 12 | --- | 2.70 | 4.96 | 7.19 | 12.4 | --- | 3.33 | 6.10 | 8.77 | 15.0 | --- | 3.44 | 6.28 | 9.03 | 15.5 | --- | 3.71 | 6.77 | 9.76 | 16.8 |
| | 16 | --- | 2.56 | 4.82 | 7.05 | 12.3 | --- | 3.17 | 5.94 | 8.61 | 14.8 | --- | 3.28 | 6.12 | 8.87 | 15.3 | --- | 3.55 | 6.61 | 9.59 | 16.6 |
| | 24 | --- | 2.27 | 4.54 | 6.76 | 12.0 | --- | 2.85 | 5.63 | 8.27 | 14.4 | --- | 2.97 | 5.81 | 8.55 | 14.9 | --- | 3.23 | 6.28 | 9.25 | 16.3 |
| 10 | 12 | --- | 2.59 | 4.86 | 7.08 | 12.3 | --- | 3.21 | 5.98 | 8.64 | 14.8 | --- | 3.32 | 6.16 | 8.91 | 15.3 | --- | 3.59 | 6.64 | 9.63 | 16.6 |
| | 16 | --- | 2.42 | 4.68 | 6.90 | 12.1 | --- | 3.02 | 5.78 | 8.43 | 14.6 | --- | 3.13 | 5.97 | 8.71 | 15.1 | --- | 3.39 | 6.44 | 9.42 | 16.4 |
| | 24 | --- | 2.07 | 4.34 | 6.55 | 11.7 | --- | 2.62 | 5.39 | 8.02 | 14.1 | --- | 2.75 | 5.58 | 8.30 | 14.7 | --- | 3.00 | 6.04 | 9.00 | 16.0 |
| 12 | 12 | --- | 2.35 | 4.60 | 6.82 | 12.0 | --- | 2.93 | 5.69 | 8.33 | 14.5 | --- | 3.05 | 5.88 | 8.60 | 15.0 | --- | 3.31 | 6.35 | 9.31 | 16.3 |
| | 16 | --- | 2.10 | 4.35 | 6.55 | 11.7 | --- | 2.65 | 5.40 | 8.02 | 14.1 | --- | 2.77 | 5.59 | 8.30 | 14.7 | --- | 3.02 | 6.05 | 9.00 | 16.0 |
| | 24 | --- | 1.60 | 3.85 | 6.03 | 11.2 | --- | 2.08 | 4.82 | 7.41 | 13.4 | --- | 2.22 | 5.03 | 7.71 | 14.0 | --- | 2.45 | 5.47 | 8.39 | 15.3 |
| 14 | 12 | --- | 2.05 | 4.29 | 6.48 | 11.6 | --- | 2.59 | 5.32 | 7.93 | 14.0 | --- | 2.72 | 5.52 | 8.22 | 14.5 | --- | 2.97 | 5.98 | 8.91 | 15.8 |
| | 16 | --- | 1.71 | 3.95 | 6.12 | 11.2 | --- | 2.21 | 4.92 | 7.50 | 13.5 | --- | 2.34 | 5.13 | 7.80 | 14.1 | --- | 2.58 | 5.58 | 8.48 | 15.4 |
| | 24 | --- | 1.05 | 3.27 | 5.41 | 10.5 | --- | 1.46 | 4.14 | 6.66 | 12.6 | --- | 1.62 | 4.37 | 6.98 | 13.2 | --- | 1.82 | 4.79 | 7.64 | 14.4 |
| 16 | 12 | --- | 1.72 | 3.92 | 6.08 | 11.2 | --- | 2.20 | 4.88 | 7.43 | 13.4 | --- | 2.34 | 5.09 | 7.74 | 14.0 | --- | 2.58 | 5.54 | 8.42 | 15.2 |
| | 16 | --- | 1.28 | 3.47 | 5.60 | 10.6 | --- | 1.71 | 4.36 | 6.87 | 12.7 | --- | 1.86 | 4.58 | 7.18 | 13.3 | --- | 2.08 | 5.01 | 7.85 | 14.6 |
| | 24 | --- | 0.46[3] | 2.61 | 4.68 | 9.60 | --- | 0.78[4] | 3.37 | 5.79 | 11.5 | --- | 0.95 | 3.61 | 6.13 | 12.1 | --- | 1.13 | 4.00 | 6.75 | 13.3 |

[1] Deflection meets L/120. [3] Deflection meets L/360. If no note, deflection meets L/720.
[2] Deflection meets L/240. [4] Deflection meets L/600.

\Table 5 continued on the next page.

## TABLE 5—COMBINED AXIAL AND LATERAL LOADS (continued)
## Allowable Axial Loads Per Stud (kip)

**25 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 800SR162 | | | | | 800SR200 | | | | | 800SR250 | | | | | 800SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | --- | 2.71 | 4.97 | 7.20 | 12.4 | --- | 3.34 | 6.12 | 8.79 | 15.0 | --- | 3.45 | 6.29 | 9.05 | 15.5 | --- | 3.72 | 6.78 | 9.77 | 16.8 |
| | 16 | --- | 2.57 | 4.83 | 7.06 | 12.3 | --- | 3.19 | 5.96 | 8.62 | 14.8 | --- | 3.29 | 6.14 | 8.89 | 15.3 | --- | 3.56 | 6.62 | 9.61 | 16.6 |
| | 24 | --- | 2.29 | 4.56 | 6.78 | 12.0 | --- | 2.87 | 5.65 | 8.30 | 14.5 | --- | 2.99 | 5.84 | 8.58 | 15.0 | --- | 3.25 | 6.31 | 9.28 | 16.3 |
| 9 | 12 | --- | 2.59 | 4.86 | 7.08 | 12.3 | --- | 3.21 | 5.98 | 8.65 | 14.8 | --- | 3.32 | 6.16 | 8.91 | 15.3 | --- | 3.59 | 6.65 | 9.63 | 16.7 |
| | 16 | --- | 2.42 | 4.68 | 6.90 | 12.1 | --- | 3.01 | 5.79 | 8.44 | 14.6 | --- | 3.13 | 5.97 | 8.71 | 15.1 | --- | 3.39 | 6.44 | 9.42 | 16.4 |
| | 24 | --- | 2.06 | 4.34 | 6.55 | 11.8 | --- | 2.62 | 5.39 | 8.02 | 14.1 | --- | 2.74 | 5.58 | 8.31 | 14.7 | --- | 2.99 | 6.05 | 9.01 | 16.0 |
| 10 | 12 | --- | 2.46 | 4.73 | 6.95 | 12.2 | --- | 3.07 | 5.83 | 8.49 | 14.6 | --- | 3.18 | 6.02 | 8.76 | 15.2 | --- | 3.44 | 6.49 | 9.47 | 16.5 |
| | 16 | --- | 2.24 | 4.51 | 6.72 | 11.9 | --- | 2.82 | 5.58 | 8.23 | 14.4 | --- | 2.94 | 5.77 | 8.50 | 14.9 | --- | 3.19 | 6.24 | 9.21 | 16.2 |
| | 24 | --- | 1.81 | 4.08 | 6.28 | 11.5 | --- | 2.33 | 5.09 | 7.71 | 13.8 | --- | 2.46 | 5.30 | 8.00 | 14.3 | --- | 2.70 | 5.75 | 8.69 | 15.6 |
| 12 | 12 | --- | 2.16 | 4.41 | 6.62 | 11.8 | --- | 2.72 | 5.47 | 8.10 | 14.2 | --- | 2.84 | 5.66 | 8.38 | 14.7 | --- | 3.09 | 6.13 | 9.08 | 16.0 |
| | 16 | --- | 1.84 | 4.10 | 6.29 | 11.5 | --- | 2.36 | 5.11 | 7.71 | 13.8 | --- | 2.50 | 5.31 | 8.01 | 14.3 | --- | 2.74 | 5.76 | 8.69 | 15.6 |
| | 24 | --- | 1.23 | 3.48 | 5.65 | 10.8 | --- | 1.67 | 4.40 | 6.96 | 12.9 | --- | 1.82 | 4.62 | 7.28 | 13.5 | --- | 2.04 | 5.04 | 7.94 | 14.8 |
| 14 | 12 | --- | 1.80 | 4.03 | 6.21 | 11.3 | --- | 2.30 | 5.02 | 7.60 | 13.6 | --- | 2.44 | 5.23 | 7.90 | 14.2 | --- | 2.68 | 5.68 | 8.59 | 15.5 |
| | 16 | --- | 1.38 | 3.61 | 5.76 | 10.9 | --- | 1.83 | 4.53 | 7.08 | 13.0 | --- | 1.98 | 4.74 | 7.39 | 13.6 | --- | 2.20 | 5.18 | 8.06 | 14.9 |
| | 24 | --- | 0.58[4] | 2.78 | 4.89 | 9.90 | --- | 0.92 | 3.58 | 6.05 | 11.9 | --- | 1.09 | 3.82 | 6.39 | 12.5 | --- | 1.27 | 4.21 | 7.02 | 13.7 |
| 16 | 12 | --- | 1.39 | 3.58 | 5.72 | 10.8 | --- | 1.83 | 4.49 | 7.01 | 12.9 | --- | 1.98 | 4.71 | 7.32 | 13.5 | --- | 2.20 | 5.14 | 7.99 | 14.8 |
| | 16 | --- | 0.86[4] | 3.04 | 5.13 | 10.1 | --- | 1.24 | 3.86 | 6.32 | 12.1 | --- | 1.40 | 4.09 | 6.65 | 12.7 | --- | 1.59 | 4.49 | 7.29 | 14.0 |
| | 24 | --- | --- | 2.00[3] | 4.02 | 8.86 | --- | 0.12[3] | 2.67[4] | 5.02 | 10.6 | --- | 0.31[4] | 2.92 | 5.38 | 11.2 | --- | 0.45[4] | 3.27 | 5.96 | 12.4 |

**30 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 800SR162 | | | | | 800SR200 | | | | | 800SR250 | | | | | 800SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | --- | 2.62 | 4.89 | 7.12 | 12.4 | --- | 3.25 | 6.02 | 8.69 | 14.9 | --- | 3.36 | 6.20 | 8.95 | 15.4 | --- | 3.63 | 6.68 | 9.67 | 16.7 |
| | 16 | --- | 2.46 | 4.73 | 6.95 | 12.2 | --- | 3.06 | 5.84 | 8.49 | 14.7 | --- | 3.17 | 6.02 | 8.76 | 15.2 | --- | 3.44 | 6.50 | 9.48 | 16.5 |
| | 24 | --- | 2.12 | 4.40 | 6.62 | 11.8 | --- | 2.69 | 5.47 | 8.11 | 14.2 | --- | 2.81 | 5.66 | 8.39 | 14.8 | --- | 3.06 | 6.12 | 9.09 | 16.1 |
| 9 | 12 | --- | 2.49 | 4.75 | 6.98 | 12.2 | --- | 3.09 | 5.86 | 8.52 | 14.7 | --- | 3.20 | 6.05 | 8.79 | 15.2 | --- | 3.47 | 6.52 | 9.50 | 16.5 |
| | 16 | --- | 2.27 | 4.54 | 6.76 | 12.0 | --- | 2.85 | 5.63 | 8.27 | 14.4 | --- | 2.97 | 5.81 | 8.55 | 14.9 | --- | 3.23 | 6.28 | 9.25 | 16.3 |
| | 24 | --- | 1.86 | 4.13 | 6.34 | 11.5 | --- | 2.38 | 5.15 | 7.78 | 13.9 | --- | 2.51 | 5.36 | 8.07 | 14.4 | --- | 2.75 | 5.81 | 8.76 | 15.7 |
| 10 | 12 | --- | 2.33 | 4.60 | 6.81 | 12.0 | --- | 2.92 | 5.68 | 8.33 | 14.5 | --- | 3.03 | 5.87 | 8.61 | 15.0 | --- | 3.29 | 6.34 | 9.31 | 16.3 |
| | 16 | --- | 2.07 | 4.34 | 6.55 | 11.7 | --- | 2.62 | 5.39 | 8.02 | 14.1 | --- | 2.75 | 5.58 | 8.30 | 14.7 | --- | 3.00 | 6.04 | 9.00 | 16.0 |
| | 24 | --- | 1.55 | 3.83 | 6.02 | 11.2 | --- | 2.04 | 4.80 | 7.40 | 13.5 | --- | 2.18 | 5.01 | 7.71 | 14.0 | --- | 2.41 | 5.45 | 8.38 | 15.3 |
| 12 | 12 | --- | 1.97 | 4.22 | 6.42 | 11.6 | --- | 2.50 | 5.25 | 7.86 | 13.9 | --- | 2.63 | 5.45 | 8.15 | 14.5 | --- | 2.88 | 5.91 | 8.85 | 15.8 |
| | 16 | --- | 1.60 | 3.85 | 6.03 | 11.2 | --- | 2.08 | 4.82 | 7.41 | 13.4 | --- | 2.22 | 5.03 | 7.71 | 14.0 | --- | 2.45 | 5.47 | 8.39 | 15.3 |
| | 24 | --- | 0.87 | 3.12 | 5.27 | 10.4 | --- | 1.26 | 3.98 | 6.52 | 12.4 | --- | 1.43 | 4.21 | 6.85 | 13.0 | --- | 1.63 | 4.62 | 7.49 | 14.3 |
| 14 | 12 | --- | 1.55 | 3.78 | 5.94 | 11.1 | --- | 2.02 | 4.72 | 7.29 | 13.3 | --- | 2.16 | 4.94 | 7.59 | 13.8 | --- | 2.39 | 5.38 | 8.27 | 15.1 |
| | 16 | --- | 1.05 | 3.27 | 5.41 | 10.5 | --- | 1.46 | 4.14 | 6.66 | 12.6 | --- | 1.62 | 4.37 | 6.98 | 13.2 | --- | 1.82 | 4.79 | 7.64 | 14.4 |
| | 24 | --- | 0.11[3] | 2.30 | 4.38 | 9.34 | --- | 0.40[4] | 3.03 | 5.46 | 11.2 | --- | 0.58 | 3.28 | 5.81 | 11.8 | --- | 0.74 | 3.65 | 6.42 | 13.1 |
| 16 | 12 | --- | 1.07 | 3.25 | 5.36 | 10.4 | --- | 1.47 | 4.11 | 6.59 | 12.4 | --- | 1.63 | 4.33 | 6.91 | 13.0 | --- | 1.83 | 4.75 | 7.57 | 14.3 |
| | 16 | --- | 0.46[3] | 2.61 | 4.68 | 9.60 | --- | 0.78[4] | 3.37 | 5.79 | 11.5 | --- | 0.95 | 3.61 | 6.13 | 12.1 | --- | 1.13 | 4.00 | 6.75 | 13.3 |
| | 24 | --- | --- | 1.41[3] | 3.39[4] | 8.15 | --- | --- | 2.00[3] | 4.28[4] | 9.72 | --- | --- | 2.26[4] | 4.65 | 10.4 | --- | --- | 2.58[4] | 5.21 | 11.6 |

**35 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 800SR162 | | | | | 800SR200 | | | | | 800SR250 | | | | | 800SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | --- | 2.54 | 4.81 | 7.03 | 12.3 | --- | 3.16 | 5.93 | 8.59 | 14.8 | --- | 3.26 | 6.11 | 8.86 | 15.3 | --- | 3.53 | 6.59 | 9.57 | 16.6 |
| | 16 | --- | 2.35 | 4.62 | 6.84 | 12.1 | --- | 2.94 | 5.71 | 8.37 | 14.5 | --- | 3.05 | 5.90 | 8.64 | 15.0 | --- | 3.31 | 6.37 | 9.35 | 16.4 |
| | 24 | --- | 1.96 | 4.24 | 6.45 | 11.7 | --- | 2.50 | 5.28 | 7.91 | 14.0 | --- | 2.63 | 5.48 | 8.20 | 14.6 | --- | 2.87 | 5.93 | 8.89 | 15.9 |
| 9 | 12 | --- | 2.38 | 4.65 | 6.87 | 12.1 | --- | 2.97 | 5.75 | 8.40 | 14.5 | --- | 3.09 | 5.93 | 8.67 | 15.1 | --- | 3.35 | 6.40 | 9.38 | 16.4 |
| | 16 | --- | 2.13 | 4.41 | 6.62 | 11.8 | --- | 2.70 | 5.47 | 8.11 | 14.2 | --- | 2.82 | 5.66 | 8.39 | 14.8 | --- | 3.07 | 6.12 | 9.09 | 16.1 |
| | 24 | --- | 1.65 | 3.93 | 6.13 | 11.3 | --- | 2.14 | 4.92 | 7.53 | 13.6 | --- | 2.29 | 5.13 | 7.83 | 14.2 | --- | 2.52 | 5.57 | 8.51 | 15.5 |
| 10 | 12 | --- | 2.20 | 4.47 | 6.68 | 11.9 | --- | 2.77 | 5.54 | 8.17 | 14.3 | --- | 2.89 | 5.73 | 8.45 | 14.8 | --- | 3.14 | 6.19 | 9.16 | 16.1 |
| | 16 | --- | 1.90 | 4.17 | 6.37 | 11.6 | --- | 2.43 | 5.19 | 7.81 | 13.9 | --- | 2.56 | 5.39 | 8.10 | 14.5 | --- | 2.80 | 5.85 | 8.79 | 15.7 |
| | 24 | --- | 1.30 | 3.57 | 5.76 | 10.9 | --- | 1.75 | 4.51 | 7.10 | 13.1 | --- | 1.90 | 4.73 | 7.41 | 13.7 | --- | 2.12 | 5.16 | 8.07 | 15.0 |
| 12 | 12 | --- | 1.78 | 4.04 | 6.23 | 11.4 | --- | 2.29 | 5.04 | 7.64 | 13.7 | --- | 2.43 | 5.24 | 7.93 | 14.2 | --- | 2.66 | 5.69 | 8.62 | 15.5 |
| | 16 | --- | 1.35 | 3.61 | 5.78 | 10.9 | --- | 1.81 | 4.54 | 7.11 | 13.1 | --- | 1.96 | 4.76 | 7.42 | 13.7 | --- | 2.17 | 5.19 | 8.09 | 15.0 |
| | 24 | --- | 0.52 | 2.76 | 4.90 | 9.96 | --- | 0.87 | 3.57 | 6.08 | 12.0 | --- | 1.04 | 3.81 | 6.42 | 12.6 | --- | 1.22 | 4.21 | 7.05 | 13.8 |
| 14 | 12 | --- | 1.30 | 3.52 | 5.67 | 10.8 | --- | 1.74 | 4.43 | 6.97 | 12.9 | --- | 1.89 | 4.65 | 7.29 | 13.5 | --- | 2.10 | 5.08 | 7.95 | 14.8 |
| | 16 | --- | 0.73 | 2.94 | 5.06 | 10.1 | --- | 1.10 | 3.77 | 6.25 | 12.1 | --- | 1.26 | 4.00 | 6.59 | 12.7 | --- | 1.46 | 4.40 | 7.23 | 14.0 |
| | 24 | --- | --- | 1.84[4] | 3.89 | 8.80 | --- | --- | 2.50 | 4.89 | 10.5 | --- | --- | 2.76 | 5.25 | 11.2 | --- | 0.22[4] | 3.10 | 5.83 | 12.4 |
| 16 | 12 | --- | 0.76[4] | 2.93 | 5.02 | 9.98 | --- | 1.12 | 3.73 | 6.18 | 11.9 | --- | 1.28 | 3.97 | 6.52 | 12.5 | --- | 1.48 | 4.37 | 7.15 | 13.8 |
| | 16 | --- | --- | 2.20[4] | 4.24 | 9.11 | --- | 0.34[3] | 2.90 | 5.27 | 10.9 | --- | 0.52[4] | 3.15 | 5.62 | 11.5 | --- | 0.67[4] | 3.51 | 6.22 | 12.7 |
| | 24 | --- | --- | 0.85[3] | 2.78[3] | 7.46[4] | --- | --- | 1.35[3] | 3.57[4] | 8.89 | --- | --- | 1.62[3] | 3.95[4] | 9.58 | --- | --- | 1.91[3] | 4.47 | 10.7 |

[1] Deflection meets L/120.
[2] Deflection meets L/240.
[3] Deflection meets L/360.
[4] Deflection meets L/600.
If no note, deflection meets L/720.

Table 5 continued on the next page.

## TABLE 5—COMBINED AXIAL AND LATERAL LOADS (continued)
## Allowable Axial Loads Per Stud (kip)

**40 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 800SR162 | | | | | 800SR200 | | | | | 800SR250 | | | | | 800SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | --- | 2.46 | 4.73 | 6.95 | 12.2 | --- | 3.06 | 5.84 | 8.49 | 14.7 | --- | 3.17 | 6.02 | 8.76 | 15.2 | --- | 3.44 | 6.50 | 9.48 | 16.5 |
| | 16 | --- | 2.24 | 4.51 | 6.73 | 11.9 | --- | 2.81 | 5.59 | 8.24 | 14.4 | --- | 2.93 | 5.78 | 8.51 | 14.9 | --- | 3.19 | 6.25 | 9.22 | 16.2 |
| | 24 | --- | 1.80 | 4.08 | 6.29 | 11.5 | --- | 2.31 | 5.10 | 7.72 | 13.8 | --- | 2.45 | 5.30 | 8.02 | 14.4 | --- | 2.69 | 5.75 | 8.70 | 15.7 |
| 9 | 12 | --- | 2.27 | 4.54 | 6.76 | 12.0 | --- | 2.85 | 5.63 | 8.27 | 14.4 | --- | 2.97 | 5.81 | 8.55 | 14.9 | --- | 3.23 | 6.28 | 9.25 | 16.3 |
| | 16 | --- | 1.99 | 4.27 | 6.48 | 11.7 | --- | 2.54 | 5.31 | 7.94 | 14.1 | --- | 2.67 | 5.51 | 8.23 | 14.6 | --- | 2.91 | 5.97 | 8.92 | 15.9 |
| | 24 | --- | 1.44 | 3.72 | 5.92 | 11.1 | --- | 1.91 | 4.69 | 7.29 | 13.3 | --- | 2.06 | 4.90 | 7.59 | 13.9 | --- | 2.28 | 5.33 | 8.26 | 15.2 |
| 10 | 12 | --- | 2.07 | 4.34 | 6.55 | 11.7 | --- | 2.62 | 5.39 | 8.02 | 14.1 | --- | 2.75 | 5.58 | 8.30 | 14.7 | --- | 3.00 | 6.04 | 9.00 | 16.0 |
| | 16 | --- | 1.73 | 4.00 | 6.20 | 11.4 | --- | 2.23 | 5.00 | 7.61 | 13.7 | --- | 2.37 | 5.20 | 7.91 | 14.2 | --- | 2.60 | 5.65 | 8.59 | 15.5 |
| | 24 | --- | 1.05 | 3.32 | 5.50 | 10.6 | --- | 1.47 | 4.23 | 6.80 | 12.8 | --- | 1.63 | 4.45 | 7.12 | 13.4 | --- | 1.83 | 4.87 | 7.77 | 14.6 |
| 12 | 12 | --- | 1.60 | 3.85 | 6.03 | 11.2 | --- | 2.08 | 4.82 | 7.41 | 13.4 | --- | 2.22 | 5.03 | 7.71 | 14.0 | --- | 2.45 | 5.47 | 8.39 | 15.3 |
| | 16 | --- | 1.11 | 3.36 | 5.52 | 10.6 | --- | 1.53 | 4.26 | 6.81 | 12.8 | --- | 1.69 | 4.48 | 7.13 | 13.4 | --- | 1.90 | 4.90 | 7.79 | 14.6 |
| | 24 | --- | 0.17[4] | 2.41 | 4.53 | 9.56 | --- | 0.47 | 3.17 | 5.65 | 11.5 | --- | 0.66 | 3.42 | 6.00 | 12.1 | --- | 0.82 | 3.79 | 6.61 | 13.3 |
| 14 | 12 | --- | 1.05 | 3.27 | 5.41 | 10.5 | --- | 1.46 | 4.14 | 6.66 | 12.6 | --- | 1.62 | 4.37 | 6.98 | 13.2 | --- | 1.82 | 4.79 | 7.64 | 14.4 |
| | 16 | --- | 0.42[4] | 2.62 | 4.72 | 9.71 | --- | 0.75 | 3.40 | 5.86 | 11.6 | --- | 0.92 | 3.64 | 6.20 | 12.3 | --- | 1.10 | 4.02 | 6.82 | 13.5 |
| | 24 | --- | --- | 1.38[3] | 3.40[4] | 8.26 | --- | --- | 1.98[4] | 4.32 | 9.89 | --- | --- | 2.25[4] | 4.70 | 10.6 | --- | --- | 2.57 | 5.26 | 11.7 |
| 16 | 12 | --- | 0.46[3] | 2.61 | 4.68 | 9.60 | --- | 0.78[4] | 3.37 | 5.79 | 11.5 | --- | 0.95 | 3.61 | 6.13 | 12.1 | --- | 1.13 | 4.00 | 6.75 | 13.3 |
| | 16 | --- | --- | 1.80[3] | 3.81[4] | 8.62 | --- | --- | 2.44[4] | 4.77 | 10.3 | --- | 0.10[3] | 2.70[4] | 5.13 | 10.9 | --- | 0.23[4] | 3.04 | 5.71 | 12.1 |
| | 24 | --- | --- | 0.30[3] | 2.18[3] | 6.78[4] | --- | --- | 0.73[3] | 2.89[3] | 8.08[4] | --- | --- | 1.01[3] | 3.28[3] | 8.79 | --- | --- | 1.26[3] | 3.77[4] | 9.89 |

**50 psf Lateral Load**

| Wall Height (ft) | Stud Spacing (in.) o.c. | 800SR162 | | | | | 800SR200 | | | | | 800SR250 | | | | | 800SR300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | | 33 ksi | | 50 ksi | | |
| | | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 | 33 | 43 | 54 | 68 | 97 |
| 8 | 12 | --- | 2.29 | 4.56 | 6.78 | 12.0 | --- | 2.87 | 5.65 | 8.30 | 14.5 | --- | 2.99 | 5.84 | 8.58 | 15.0 | --- | 3.25 | 6.31 | 9.28 | 16.3 |
| | 16 | --- | 2.01 | 4.29 | 6.51 | 11.7 | --- | 2.56 | 5.34 | 7.98 | 14.1 | --- | 2.69 | 5.54 | 8.26 | 14.6 | --- | 2.94 | 6.00 | 8.96 | 15.9 |
| | 24 | --- | 1.47 | 3.76 | 5.96 | 11.1 | --- | 1.94 | 4.73 | 7.34 | 13.4 | --- | 2.09 | 4.94 | 7.64 | 14.0 | --- | 2.32 | 5.38 | 8.31 | 15.3 |
| 9 | 12 | --- | 2.06 | 4.34 | 6.55 | 11.8 | --- | 2.62 | 5.39 | 8.02 | 14.1 | --- | 2.74 | 5.58 | 8.31 | 14.7 | --- | 2.99 | 6.05 | 9.01 | 16.0 |
| | 16 | --- | 1.72 | 3.99 | 6.20 | 11.4 | --- | 2.22 | 5.00 | 7.61 | 13.7 | --- | 2.36 | 5.20 | 7.91 | 14.3 | --- | 2.60 | 5.65 | 8.59 | 15.5 |
| | 24 | --- | 1.03 | 3.32 | 5.50 | 10.7 | --- | 1.45 | 4.22 | 6.80 | 12.8 | --- | 1.61 | 4.45 | 7.12 | 13.4 | --- | 1.82 | 4.86 | 7.77 | 14.7 |
| 10 | 12 | --- | 1.81 | 4.08 | 6.28 | 11.5 | --- | 2.33 | 5.09 | 7.71 | 13.8 | --- | 2.46 | 5.30 | 8.00 | 14.3 | --- | 2.70 | 5.75 | 8.69 | 15.6 |
| | 16 | --- | 1.39 | 3.66 | 5.85 | 11.0 | --- | 1.85 | 4.61 | 7.20 | 13.2 | --- | 2.00 | 4.83 | 7.51 | 13.8 | --- | 2.22 | 5.26 | 8.18 | 15.1 |
| | 24 | --- | 0.55 | 2.83 | 4.99 | 10.1 | --- | 0.91 | 3.66 | 6.20 | 12.1 | --- | 1.08 | 3.90 | 6.54 | 12.8 | --- | 1.27 | 4.29 | 7.16 | 14.0 |
| 12 | 12 | --- | 1.23 | 3.48 | 5.65 | 10.8 | --- | 1.67 | 4.40 | 6.96 | 12.9 | --- | 1.82 | 4.62 | 7.28 | 13.5 | --- | 2.04 | 5.04 | 7.94 | 14.8 |
| | 16 | --- | 0.64 | 2.88 | 5.02 | 10.1 | --- | 1.00 | 3.71 | 6.23 | 12.1 | --- | 1.17 | 3.95 | 6.56 | 12.7 | --- | 1.36 | 4.34 | 7.19 | 14.0 |
| | 24 | --- | --- | 1.72[4] | 3.80 | 8.78 | --- | --- | 2.38 | 4.81 | 10.5 | --- | --- | 2.65 | 5.18 | 11.2 | --- | --- | 2.99 | 5.75 | 12.4 |
| 14 | 12 | --- | 0.58[4] | 2.78 | 4.89 | 9.90 | --- | 0.92 | 3.58 | 6.05 | 11.9 | --- | 1.09 | 3.82 | 6.39 | 12.5 | --- | 1.27 | 4.21 | 7.02 | 13.7 |
| | 16 | --- | --- | 1.99[4] | 4.05 | 8.98 | --- | --- | 2.68 | 5.08 | 10.8 | --- | 0.25[4] | 2.93 | 5.44 | 11.4 | --- | 0.39 | 3.28 | 6.03 | 12.6 |
| | 24 | --- | --- | 0.51[3] | 2.46[3] | 7.22 | --- | --- | 0.98[3] | 3.23[4] | 8.64 | --- | --- | 1.27[3] | 3.63[4] | 9.35 | --- | --- | 1.54[3] | 4.14 | 10.5 |
| 16 | 12 | --- | --- | 2.00[3] | 4.02 | 8.86 | --- | 0.12[3] | 2.67[4] | 5.02 | 10.6 | --- | 0.31[4] | 2.92 | 5.38 | 11.2 | --- | 0.45[4] | 3.27 | 5.96 | 12.4 |
| | 16 | --- | --- | 1.04[3] | 2.98[3] | 7.68 | --- | --- | 1.57[3] | 3.80[4] | 9.16 | --- | --- | 1.83[3] | 4.18[4] | 9.85 | --- | --- | 2.13[3] | 4.72 | 11.0 |
| | 24 | --- | --- | | 1.05[3] | 5.50[3] | --- | --- | --- | 1.58[3] | 6.55[3] | --- | --- | --- | 1.99[3] | 7.29[4] | --- | --- | --- | 2.41[3] | 8.32 |

[1] Deflection meets L/120.
[2] Deflection meets L/240.
[3] Deflection meets L/360.
[4] Deflection meets L/600.
If no note, deflection meets L/720.

**TABLE 6—COMPOSITE LIMITING HEIGHTS (ft-in)**

| MEMBER | SPACING O.C. (in) | 5 (psf) | | | 7.5 (psf) | | | 10 (psf) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 |
| 362SR125-18 | 12 | 21-6 | 17-10 | 15-7 | 17-7 | 15-7 | 13-7 | 15-2 | 14-2 | 12-4 |
| | 16 | 18-7 | 16-2 | 14-2 | 15-2 | 14-2 | 12-4 | 13-2 | 12-10 | 11-2 |
| | 24 | 15-2 | 14-2 | 12-4 | 12-5 | 12-4 | 10-7 | 10-9 | 10-9 | 9-6 |
| 400SR125-18 | 12 | 22-5 | 18-10 | 16-5 | 18-4 | 16-5 | 14-4 | 15-11 | 14-11 | 13-1 |
| | 16 | 19-5 | 17-1 | 14-11 | 15-11 | 14-11 | 13-1 | 13-9 | 13-7 | 11-10 |
| | 24 | 15-11 | 14-11 | 13-1 | 13-0 | 13-0 | 11-4 | 11-3 | 11-3 | 10-2 |
| 600SR125-18 | 12 | 27-9 | 24-10 | 21-8 | 22-8 | 21-8 | 18-11 | 19-8 | 19-8 | 17-2 |
| | 16 | 24-1 | 22-7 | 19-8 | 19-8 | 19-8 | 17-2 | 17-0 | 17-0 | 15-7 |
| | 24 | 19-8 | 19-8 | 17-2 | 16-0 | 16-0 | 15-0 | 13-11 | 13-11 | 13-6 |
| 362SR125-30 | 12 | 23-6 | 18-8 | 16-3 | 20-6 | 16-3 | 14-3 | 18-8 | 14-10 | 12-11 |
| | 16 | 21-4 | 16-11 | 14-10 | 18-8 | 14-10 | 12-11 | 16-11 | 13-5 | 11-9 |
| | 24 | 18-8 | 14-10 | 12-11 | 16-3 | 12-11 | 11-2 | 14-10 | 11-9 | 9-11 |
| 400SR125-30 | 12 | 25-3 | 20-1 | 17-6 | 22-1 | 17-6 | 15-4 | 20-1 | 15-11 | 13-11 |
| | 16 | 22-11 | 18-3 | 15-11 | 20-1 | 15-11 | 13-11 | 18-3 | 14-6 | 12-8 |
| | 24 | 20-1 | 15-11 | 13-11 | 17-6 | 13-11 | 12-2 | 15-10 | 12-8 | 10-11 |
| 600SR125-30 | 12 | 33-8 | 26-8 | 23-4 | 29-5 | 23-4 | 20-5 | 26-9 | 21-2 | 18-6 |
| | 16 | 30-7 | 23-4 | 21-2 | 26-9 | 21-2 | 18-6 | 24-3 | 19-3 | 16-10 |
| | 24 | 26-9 | 21-2 | 18-6 | 23-4 | 18-6 | 16-2 | 21-2 | 16-10 | 14-7 |
| 362SR125-33 | 12 | 24-5 | 19-4 | 16-11 | 21-4 | 16-11 | 14-9 | 19-4 | 15-4 | 13-5 |
| | 16 | 22-2 | 17-7 | 15-4 | 19-4 | 15-4 | 13-5 | 17-7 | 14-0 | 12-2 |
| | 24 | 19-4 | 15-4 | 13-5 | 16-11 | 13-5 | 11-9 | 15-4 | 12-2 | 10-5 |
| 400SR125-33 | 12 | 26-4 | 20-11 | 18-3 | 23-0 | 18-3 | 15-11 | 20-11 | 16-7 | 14-6 |
| | 16 | 23-11 | 19-0 | 16-7 | 20-11 | 16-7 | 14-6 | 19-0 | 15-1 | 13-2 |
| | 24 | 20-11 | 16-7 | 14-6 | 18-3 | 14-6 | 12-8 | 16-7 | 13-2 | 11-5 |
| 600SR125-33 | 12 | 34-9 | 27-7 | 24-1 | 30-4 | 24-1 | 21-1 | 27-7 | 21-11 | 19-1 |
| | 16 | 31-7 | 25-1 | 21-11 | 27-7 | 21-11 | 19-1 | 25-1 | 19-11 | 17-4 |
| | 24 | 27-7 | 21-11 | 19-1 | 24-1 | 19-1 | 16-9 | 21-11 | 17-4 | 15-1 |
| 362SR125-43 | 12 | 27-1 | 21-6 | 18-10 | 23-8 | 18-10 | 16-5 | 21-6 | 17-1 | 14-11 |
| | 16 | 24-8 | 19-6 | 17-1 | 21-6 | 17-1 | 14-11 | 19-7 | 15-6 | 13-6 |
| | 24 | 21-6 | 17-1 | 14-11 | 18-10 | 14-11 | 12-11 | 14-4 | 13-6 | --- |
| 400SR125-43 | 12 | 29-8 | 23-7 | 20-7 | 25-11 | 20-7 | 18-0 | 23-7 | 18-8 | 16-4 |
| | 16 | 26-11 | 21-5 | 18-8 | 23-7 | 18-8 | 16-4 | 21-5 | 17-0 | 14-10 |
| | 24 | 23-7 | 18-8 | 16-4 | 20-7 | 16-4 | 14-3 | 18-8 | 14-10 | 12-10 |
| 600SR125-43 | 12 | 38-11 | 30-11 | 27-0 | 34-0 | 27-0 | 23-7 | 30-11 | 24-6 | 21-5 |
| | 16 | 35-4 | 28-1 | 24-6 | 30-11 | 24-6 | 21-5 | 28-1 | 22-3 | 19-6 |
| | 24 | 30-11 | 24-6 | 21-5 | 27-0 | 21-5 | 18-9 | 22-4 | 19-6 | 16-11 |

# FLORIDA SUPPLEMENT

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## STUDRITE® STUDS

**CSI Sections:**

**05 40 00 Cold-Formed Metal Framing**
**05 41 00 Structural Metal Stud Framing**
**09 22 16.13 Non-Structural Metal Stud Framing**

### 1.0 RECOGNITION

The StudRite® studs, as recognized in IAPMO UES ER-781, have been evaluated for compliance with the following code:

- 2020 Florida Building Code®—Building

StudRite® studs have also been evaluated for and found to be in compliance with the High-Velocity Hurricane Zone provisions of the Florida Building Code®—Building.

### 2.0 LIMITATIONS

StudRite® studs recognized in IAPMO UES ER-781 and this supplement are subject to the following limitations:

**2.1** Design requirements shall be determined in accordance with the Florida Building Code®—Building.

**2.2** Use and installation of StudRite® studs shall be in accordance with the 2018 International Building Code® provisions of IAPMO UES ER-781, unless otherwise noted in this supplement.

**2.3** Verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission (or the building official when the report holder does not possess an approval by the Commission), to provide oversight and determine that the products are being manufactured as described in this evaluation report to establish continual product performance shall be provided for products falling under Section (5)(d) of Florida Rule 61G20-3.009.

**2.4** This supplement expires concurrently with ER-781.

# NEW YORK CITY BUILDING CODE SUPPLEMENT

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## STUDRITE® STUDS

**CSI Sections:**

**05 40 00 Cold-Formed Metal Framing**
**05 41 00 Structural Metal Stud Framing**
**09 22 16.13 Non-Structural Metal Stud Framing**

### 1.0 RECOGNITION

The StudRite® studs, as recognized in IAPMO UES ER-781, have been evaluated for compliance with the following code:

- 2022 New York City Building Code

### 2.0 LIMITATIONS

StudRite® studs recognized in IAPMO UES ER-781 and this supplement are subject to the following limitations:

**2.1** Design requirements shall be determined in accordance with the New York City Building Code.

**2.2** Use and installation of StudRite® studs shall be in accordance with the 2015 International Building Code® provisions of IAPMO UES ER-781, unless otherwise noted in this supplement.

**2.3** This supplement expires concurrently with ER-781.